

## SUBDIVISION CONSTRUCTION APPLICATION

<u>Engineer/ Agent</u>	<u>Owner</u>
Name: _____	_____
Organization: _____	_____
Mailing Address: _____	_____
City, State, Zip: _____	_____
Phone Number: _____	_____
Fax Number: _____	_____
Email Address: _____	_____
Signatures: _____	_____

<p style="text-align: center;"><b><u>Property Description:</u></b></p> <p>Name of Project: _____</p> <p>Legal Description/ Subdivision: _____  <small>(Separate attachment accepted)</small></p> <p>Water Provider: _____</p> <p>Wastewater Provider: _____</p> <p style="text-align: center;"><b><u>Prior Applications: (if applicable)</u></b></p> <p>Preliminary Plan/ Date: _____</p> <p>Final Plat/ Date: (if applicable) _____</p> <p><small>*In accordance with the City of Pflugerville Unified Development Code 15.11.5H, the construction permit will expire when either of the following conditions occurs:</small></p> <ol style="list-style-type: none"> <li>1. Work has not started 180 days from the date the permit was issued.</li> <li>2. The job is abandoned for 90 days or longer after</li> </ol>	<p style="text-align: center;"><b><u>Is the Project located within:</u></b>  <small>(Check all that apply)</small></p> <p><input type="checkbox"/> City</p> <p><input type="checkbox"/> ETJ</p> <p><input type="checkbox"/> Floodplain</p> <p><input type="checkbox"/> Corridor</p> <p><input type="checkbox"/> Municipal Utility District (MUD)              Name _____              # _____</p> <p><input type="checkbox"/> Development Agreement              Name _____</p> <p><input type="checkbox"/> Other              _____</p>
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<b><u>To Be Completed By Staff:</u></b>	
Case Name: _____	Date Filed: _____
Case Manager: _____	Date Approved: _____
	Date Permit Expires: _____

## SUBDIVISION CONSTRUCTION APPLICATION

Filing Fee \$ \_\_\_\_\_ + \$15.00 technology fee = \$ \_\_\_\_\_

(See page 4 for Fee Schedule and additional inspection fees due prior to plan approval)

### Submittal Requirements for Construction Plans:

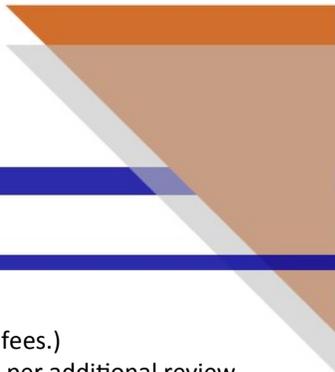
- \_\_\_\_\_ 1. **Construction Cost Estimate of the Subdivision improvements using the unit price method.** (Must be prepared and certified by the Engineer of Record who prepared the plans and specifications for such Subdivision improvements (Hard copy and digital copy).
- \_\_\_\_\_ 2. **A soil evaluation report** prepared by a registered professional engineer in connection with street improvement plans and specification (Hard copy and digital copy).
- \_\_\_\_\_ 3. Hydraulic or hydrologic analyses necessary to demonstrate the adequacy of the proposed drainage system (Hard copy and digital copy).
- \_\_\_\_\_ 4. Analyses necessary to verify the capacity of the water or wastewater service (Hard copy and digital copy).
- \_\_\_\_\_ 5. **Complete Public Improvements Construction Plan Application with all required contact information.**
- \_\_\_\_\_ 6. Black Line Copies of Construction Plan (22"x 34", no smaller than 1"= 100'), **and a digital copy.**
  - a. **Initial submittal:** 2 full size copies and 1- 11X17 size copy
  - b. **Following Staff Comments:** as required by reviewer
  - c. **Final Submittal:** 1 full size copy and 2- 11X17 size copies
- \_\_\_\_\_ 7. One CD with all plan sheets, reports, and all other submitted items in .pdf format.
- \_\_\_\_\_ 8. All Floodplain related documentation (i.e. floodplain map, CLOMR, etc.) (Digital copy).
- \_\_\_\_\_ 9. Anything else required as prescribed in the development agreement, if applicable (Digital copy).
- \_\_\_\_\_ 10. Applicable Travis County, Williamson County, & TxDOT Permits (i.e. Driveway permit)
- \_\_\_\_\_ 11. Any other information deemed pertinent as a condition of approval of the Preliminary Plat. (i.e. Phasing Agreement)

### Construction Plan Review Process:

1. An Application for Construction Plans shall be accepted only after a Preliminary Plan and Final Plat have been submitted.
2. The Construction Plans shall include the on-site and off-site Public Improvements required to serve one or more phases of a Preliminary Plan.
3. A Complete Application for Construction Plans shall be submitted to the Development Engineering Department for review based on the approved Preliminary Plan.
4. The Development Engineer shall approve, deny, or provide written comments to the Subdivider regarding necessary revisions or requests for additional information within 30 days of receipt of a complete application for Construction Plans. **The Subdivider must submit revised Construction Plans or additional information, as required, not later than 60 days following the Development Engineer's comments.**
5. Revised Construction Plans may be submitted to the Development Engineer in continual cycles until all comments have been satisfied.
6. The Development Engineer shall notify the Engineer of Record when the construction plans are ready for approval, at which point the Engineer of Record shall submit within seven (7) calendar days of this notification the title sheet of the approved plan set, one full size (22" x 34") and two half size (11" x 17") black line copies and an electronic pdf copy of the approved plans to the Development Services Center for Development Engineering Director signature.
7. Once the record copies of the plans are submitted, a permit to begin construction will be issued within 14 days.
8. The construction permit shall expire immediately and approval of the construction plans shall be rescinded immediately when either of the following conditions occur:
  - a. Work has not started 180 days from the date the permit was issued.
  - b. The job is abandoned for 90 consecutive days or longer after work was started.

\* As a note, Construction Plans should be submitted on the filing deadline by Noon.





## CONSTRUCTION FEE SCHEDULE

(Refer to Unified Development Code Supplemental Schedule for application fees.)

Note: Any application requiring more than three (3) review cycles will be assessed a \$250 fee per additional review.

<b>Construction (Public Infrastructure) Plan Review. <u>Required with plan submittal.</u></b>	\$500*	Fee also required for resubmittal of expired applications or permits.
<b>Construction (Public Infrastructure) Inspection Fee. Initial \$500 Plan Review fee is credited toward Inspection fee.</b>	3.5% of cost construction cost estimate**	**City Engineering Dept. must review and approve construction cost estimate prior to payment of inspection fee. Fee required to be paid prior to City approval of construction plans.
Construction Re-inspection Fee	\$100.00	
<b>All other improvements in the right-of-way</b>	\$50.00*	

\*Additional Technology Fee is \$15 per application

## CONSTRUCTION PLAN CONTENT CHECKLIST

Please review the Construction Plan Permit checklist. Initial by each item you have reviewed and have deemed in conformance with the Unified Development Code and the Engineering Design Manual. Please make sure all checklist items are noted or illustrated on the Construction Plan. Once the checklist is reviewed by the applicant, please sign and date at the bottom of the page. The Unified Development Code (UDC) can be found on Pflugerville’s website: [www.pflugervilletx.gov](http://www.pflugervilletx.gov) under Planning Department. This checklist serves as a helpful tool when reviewing the proposed Construction Plan.

General Information	
	A minimum of two full size copies of 22" x 34", two scalable 11" x 17" copy
	All drawings are computer generated and do not contain hand drawn items.
	Scale, north arrow, legend, and Engineer’s seal with signature and date
	Signed and sealed by professional Engineer licensed to operate in the state of Texas
Coversheet	
	Project name (located top and center)
	Locator map w/city limits, ETJ boundaries if applicable, and streets (in legible format and scale)
	Legal Description
	Sheet index with all required sheets
	Any applicable notes
	Submittal date of Construction Plan
	Contact information for Property Owner, Surveyor, Engineer, Utility Providers
	Indication of Floodplain (Floodplain Note)
	Engineer's Seal and Signature
	Signature block for Development Engineering Director
	Signature block(s) for other applicable jurisdictions and/or utility providers
	Revision Block with column(s) for approval by City, other jurisdictions and utility providers if applicable
	2 Benchmarks per EDM (Vertical & Horizontal Coordinates - State Plane Coord. System)
	List all waivers, variances, property restrictions, etc.
	List all studies associated with project by title, author, and date (i.e. TIA, Water Model, Wastewater Analysis, Engineer’s Report, Drainage Report, etc.).
	Provide the following note: "All responsibility for the adequacy of these plans remains with the engineer who prepared them. In reviewing these plans, the City of Pflugerville must rely on the adequacy of the work of the design engineer."
General Note Sheet {Per Engineering Design Guidelines and Construction Standards}	
<a href="http://www.pflugervilletx.gov/DocumentCenter/View/12326">http://www.pflugervilletx.gov/DocumentCenter/View/12326</a>	
	City of Pflugerville General Notes
	City of Pflugerville Erosion and Sedimentation Notes
	City of Pflugerville Water and Wastewater Notes
	City of Pflugerville Street and Drainage Notes
	City of Pflugerville Standard Underground Utility Notes
	City of Pflugerville Sequence of Construction
Final Plat	

## CONSTRUCTION PLAN CONTENT CHECKLIST

<b>Existing Conditions and Demolition Plan</b>	
	Scale, north arrow, legend, and Engineer's seal with signature and date
	Identify existing trees with diameter, species, and condition (UDC Subchapter 12)
	Existing contour lines drawn at two foot intervals where a slope is 20% or less, and five foot intervals where a slope is greater than 20%
	Location of existing structures and infrastructure (roads, sidewalks, etc.)
	Existing easements with recorded document numbers
	Identify existing wastewater, water, and storm sewer lines by location, type, size, and material.
	Identify all proposed demolition within limits of construction.
<b>Erosion &amp; Sedimentation Control Plan {Engineering Design Manual Section 4 and Section 7}</b>	
	Scale, north arrow, legend, and Engineer's seal with signature and date
	Existing and Proposed Contour lines drawn at two foot intervals where a slope is 20% or less, and five foot intervals where a slope is greater than 20%
	A delineation of the "Limits of Construction", or the area of the site that will be disturbed by construction activities. Specify total disturbed acreage on plan
	Arrows indicating the general flow direction of storm water entering and leaving the site. Include existing and proposed drainage patterns
	Indication of how off-site storm water runoff will be conveyed including sheet flows from adjoining properties
	Indicate phasing – initial grading, post mass grading, etc.
	Identify proposed spoils area, contractor staging area, concrete washout location and storage tanks. Include silt protection of the immediate downstream sides of the staging/ spoils area.
	Identify proposed location and description of temporary and permanent erosion and sedimentation controls.
	Locate and describe any environmentally sensitive area that will receive storm water directly from the subdivision.
	The location of the 100 year floodplain boundaries and if applicable, the limits of Zone AE regulatory base flood elevations identified as depicted on the most recent Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) and per Chapter 151.37
	Specific locations where slope stabilization techniques will be utilized
	Seeding mixtures and rates, types of sod, method of seedbed preparation, expected seeding dates, type and rate of lime and fertilizer application, and kind and quantity of mulching for both temporary and permanent vegetative control measures
	Existing landscaping, vegetation, and other natural features with protective fencing locations
<b>Overall Grading Plan(s)</b>	
	Scale, north arrow, legend, and Engineer's seal with signature and date
	Existing and proposed topographic contours at a maximum of two feet intervals. Differentiate existing and proposed features with line weight or color (black/gray)
	Proposed street names and existing adjoining street names

## CONSTRUCTION PLAN CONTENT CHECKLIST

<b>Existing Overall Drainage Area Map and Calculations Sheet {Engineering Design Manual Section 4}</b>	
	Scale, north arrow, legend, and Engineer's seal with signature and date
	Existing topographic contours at a maximum of two feet intervals
	The location of the 100 year floodplain boundaries and if applicable, the limits of Zone AE regulatory base flood elevations identified as depicted on the most recent Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) and per Chapter 151.37
	Proposed and existing street names, lot and block numbers
	Location of existing drainage structures on or adjacent to property
	Label peak flow rates leaving proposed streets onto surrounding property and entering proposed streets from surrounding property for the 25-year and 100-year storm events.
	Delineate existing drainage areas including offsite contributing areas. Provide identification tags for each drainage area with number and acreage. Label all analysis points.
	Provide arrows indicating the general flow direction of storm water on and adjacent to property showing paths for times of concentration. Label low and high points.
	A table summarizing time of concentration calculations for each drainage area including the following information: lengths, slopes, and assumed Mannings "n" for Sheet Flow, Shallow Concentrated Flow, and Channel or Storm Drain Flow conditions
	A table including the following information for each delineated drainage area: size in acres, Curve Number (CN), time of concentration (Tc), Lag Time, and peak flow rate (Q) for the 2-year, 25-year and 100-year storm events. List all assumptions.
	Summation of Q's at analysis/ confluence points
	Reference supplementary drainage report, if applicable, by title, author, and approval date.
<b>Proposed Overall Drainage Area Map and Calculations Sheet {Engineering Design Manual Section 4}</b>	
	Scale, north arrow, legend, and Engineer's seal with signature and date
	Existing and proposed topographic contours at a maximum of two feet intervals
	The location of the 100 year floodplain boundaries and if applicable, the limits of Zone AE regulatory base flood elevations identified as depicted on the most recent Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) and per Chapter 151.37
	Proposed and existing street names, lot and block numbers
	Location of existing drainage structures on or adjacent to property
	Proposed drainage facilities (layout of storm sewer lines and culverts with designation, size of lines, pond(s), outfalls with Q's and V's labeled for 25-year and 100-year storm events)
	Label peak flow rates leaving proposed streets onto surrounding property and entering proposed streets from surrounding property for the 25-year and 100-year storm events.
	Delineate proposed overall drainage areas including offsite contributing areas showing time of concentration paths. Provide identification tags for each drainage area with number and acreage. Label all analysis points.
	Arrows indicating the general flow direction of storm water on and adjacent to property showing paths for times of concentration. Label low and high points.
	A table summarizing time of concentration calculations for each drainage area including the following information: lengths, slopes, and assumed Mannings "n" for Sheet Flow, Shallow Concentrated Flow, and Channel or Storm Drain Flow conditions.

## CONSTRUCTION PLAN CONTENT CHECKLIST

<b>Proposed Overall Drainage Area Map and Calculations Sheet Continued...</b>	
	A table including the following information for each delineated drainage area: size in acres, Curve Number (CN), time of concentration (Tc), Lag Time, and peak flow rate (Q) for the 2-year, 25-year and 100-year storm events. List all assumptions.
	Summation of Q's at analysis/ confluence points
	Reference supplementary drainage report, if applicable, by title, author, and approval date.
<b>Proposed Sub-Drainage Area Map and Calculations Sheet(s) (Sizing for inlets and lines) {Engineering Design Manual Section 4}</b>	
	Scale, north arrow, legend, and Engineer's seal with signature and date
	Existing and proposed topographic contours at a maximum of two feet intervals
	The location of the 100 year floodplain boundaries and if applicable, the limits of Zone AE regulatory base flood elevations identified as depicted on the most recent Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) and per Chapter 151.37
	Proposed and existing street names, lot and block numbers
	Location of existing drainage structures on or adjacent to property
	Proposed drainage facilities (layout of storm sewer lines and culverts with designation of size of lines, pond location(s), outfalls with peak flow rates labeled for 25-year and 100-year storm events)
	Label peak flow rates leaving proposed streets onto surrounding property and entering proposed streets from surrounding property for the 25-year and 100-year storm events.
	Delineate proposed sub-drainage areas for inlets including offsite contributing areas showing time of concentration paths. Provide identification tags for each drainage area with number and acreage.
	Provide arrows indicating the general flow direction of storm water on and adjacent to property showing paths for times of concentration. Label low and high points.
	A table including the following information for each delineated drainage area: size in acres (A), Runoff Coefficient (C), time of concentration (Tc), Intensity (I), and peak flow rate (Q) for the 25-year and 100-year storm events. List all assumptions.
	Summation of Q's and V's at pertinent points (street intersections, inlets, passing inlets, headwalls, channel outfalls, control outlet structures, etc.)
	Reference supplementary drainage report, if applicable, by title, author, and approval date.
	Inlet Flow Calculation Table per City of Austin DCM Section 4.4.3 and the Hydraulic Computation table per City of Austin DCM Table 5-7 or reference supplementary drainage report, if applicable, by title, author, and approval date
<b>Street Plan and Profile Sheets {Engineering Design Manual DG2, DG3 &amp; UDC Sub. 15}</b>	
<b>Street Plan</b>	
	Scale (1"=20'), north arrow, legend, and Engineer's seal with signature and date
	Key map showing location of street(s) if necessary for large subdivisions
	Stationing with street layout directly over the profile stationing
	R.O.W. and paving dimensions (face of curb to face of curb)
	Proposed street names and existing adjoining street names, lot and block numbers
	Horizontal curve information (radius, length, delta, chord, label and identify stations for PC and PT)
	Match lines with indication of sheet for continuation and reference sheet numbers for intersecting streets

## CONSTRUCTION PLAN CONTENT CHECKLIST

	Existing and proposed easements (w/ recording information) and intersecting R.O.W.
	Proposed and existing drainage facilities with scaled back line type, label low and high points
	Barricades if required, sidewalks, ramps
	Valley gutter if required
	Label beginning and end of project
<b>Street Profile</b>	
	Scale (maximum scale H: 1"=40' and V: 1"=4') and legend. Show heavyweight lines at every 100' station and heavyweight lines at every 2' vertical elevation line.
	Street profiles must be on their own sheets, separate from utility and storm profiles.
	Show property lines and proposed and existing grades
	Proposed centerline profile that is clearly distinguishable from existing profiles
	Proposed top of curb elevations for left and right where elevations aren't consistent due to cul-de-sac and intersection tie-ins
	Profile cul-de-sacs and knuckles
	Label vertical curves with curve length, PVI station and elevation, tangent intercept, tangents, and tangent grades (conforming to the latest edition of AASTO's "A Policy on Geometric Design of Highways and Streets") BVCS, BVCE, EVCS, EVCE, K, High or Low Point station and elevation
	Elevations for proposed and existing grade every 50' at +00 and +50 stations
	Match lines with indication of sheet for continuation and reference sheet numbers for intersecting streets
<b>Signage, Striping, Sidewalk and Street Light Plan(s) { Engineering Design Manual Sect. 2 &amp; 3}</b>	
	Scale, north arrow, legend, and Engineer's seal with signature and date
	Proposed street names and existing adjoining street names, lot and block numbers
	Location of existing street lights on adjoining streets
	Location of proposed street lights {Unified Development Code Subchapter 13}
	Specify width and clearly delineate the limits of proposed sidewalk to be constructed. {Engineering Design Manual Section 3}
	Callout proposed ramp types per City of Pflugerville details
	Location of existing signage and pavement markings on adjoining streets
	Show block ranges with instruction for contractor to incorporate into street signage.
	Location of proposed signage with Texas Manual on Uniform Traffic Control Devices (TMUTCD) Sign Designation labeled. Show location of barricades.
	Specify location, color and width of proposed pavement markings. {TMUTCD}
	Provide the following notes: <ul style="list-style-type: none"> <li>1. All street signs and pavement markings shall conform to the standards set forth in the latest edition of the Texas Manual on Uniform Traffic Control Devices (TMUTCD)."</li> <li>2. All pedestrian ramps and landings are to be constructed as part of this plan.</li> <li>3. All pavement markings shall be Type I Thermoplastic and installed in accordance with Item 666 of the TXDOT Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges.</li> <li>4. All pedestrian ramps and landings are to be constructed as part of this plan.</li> </ul>

## CONSTRUCTION PLAN CONTENT CHECKLIST

<b>Storm Sewer/Channel Plan &amp; Profile Sheet {Engineering Design Manual Section 4}</b>	
<b>Storm Sewer/ Channel Plan</b>	
	Maximum scale (1"=40'), north arrow, legend, and Engineer's seal with signature and date
	Key map showing location of street(s) if necessary for large subdivisions
	Proposed and existing street names, lot and block numbers
	Existing and proposed topographic contours at a maximum of two feet intervals.
	The location of the 100 year floodplain boundaries and if applicable, the limits of Zone AE regulatory base flood elevations identified as depicted on the most recent Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) and per Chapter 151.37
	Show proposed and existing utilities and street lights with a scaled back line type
	Stationing with storm line layout directly over the profile stationing. Label size and storm line identification for every pipe segment and for storm sewer inlets, manholes, bends (with degree of bend) and other appurtenances, and label horizontal curve information
	Manholes at all confluences greater than 45 degrees, at the junction of three or more lines, at a junction where the downstream pipe size changes and every 250 feet from an access point for drains less than or equal to 30" diameter or 300 feet from an access point for drains larger than 30" diameter.
<b>Storm Sewer/ Channel Profile</b>	
	Scale (H: 1"=40' and V: 1"=2') and legend. Show heavyweight lines at every 100' station and heavyweight lines at every 2' vertical elevation line.
	Storm profiles must be on their own sheets, separate from street and utility profiles.
	Match lines with indication of sheet for continuation and reference sheet numbers for intersecting streets
	Delineation, location, dimensions, slope, flow line and stationing of existing and proposed drainage systems including, but not limited to channels, ponds, waterways and storm sewer systems
	Delineation, location, dimensions, material and elevations, in and out, of proposed storm line appurtenances
	Delineation, location and dimensions of all existing and proposed crossing utilities at their existing or proposed elevation and indicate encasement where necessary
	Pipes joined at soffits
	Show directly above the profile the 25-year and 100-year hydraulic grade line, Qs, Vs and depth of flow for each segment of the storm drain system for the 25-year and 100-year storm
<b>Detention Pond Sheet {Engineering Design Guidelines DG4}</b>	
	Scale, north arrow, legend, and Engineer's seal with signature and date
	Existing and proposed topographic contours at a maximum of two foot intervals, scaled back. Label proposed slopes.
	The location of the 100 year floodplain boundaries and if applicable, the limits of Zone AE regulatory base flood elevations identified as depicted on the most recent Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) and per Chapter 151.37
	Proposed drainage facilities
	Pond layout with flow line information provided at all inflow and outfall points.

## CONSTRUCTION PLAN CONTENT CHECKLIST

	Provide pilot channel where slopes are less than 1%.
	Show pond sections with elevations for top of pond, bottom of pond, pipe/ structure flow lines, etc. Show water surface elevations for 2-year, 25-year, and 100-year storm events.
	Detailed detention pond sizing calculations including stage-storage table and stage-discharge rating data in tabular form with all discharge components such as orifice, weir and outlet (per COA DCM 8.3.0) or reference supplementary drainage report, if applicable, by title, author, and approval date
<b>Overall Water and Wastewater Plan {Engineering Design Guidelines DG5, DG6 &amp; UDC Sub. 15}</b>	
	Scale, north arrow, legend, and Engineer's seal with signature and date
	Existing and proposed topographic contours at a maximum of two foot intervals, scaled back
	Proposed and existing street names, lot and block numbers
	Show proposed and existing storm lines and street lights with a scaled back line type
	Delineation, location, dimensions and material of existing and proposed water and wastewater lines and appurtenances with distinguishable line types
	Water and wastewater mains extended to the border for future development on neighboring lots, sized to have sufficient capacity to serve the adjacent subdivision
	Water valves at all tees and crosses and no more than 500' apart in commercial areas and 800' apart in residential areas
	Temporary blow-off valves installed at the end of all temporary dead-end water mains
	Fire hydrants at street intersections and no farther apart than 600' in residential areas and 300' in commercial and industrial areas
	Manholes at all changes in direction, sewer line intersections and termination points of lines and no further apart than 400'
	Separation distance between water and wastewater a minimum of 9' or encasement
	Water and wastewater service lines to opposite corners of residential lots and to all public park sites
<b>Water/ Wastewater Plan and Profiles {Engineering Design Guidelines DG5, DG6 &amp; UDC Sub. 15}</b>	
<b>Water/ Wastewater Plan</b>	
	Maximum scale (1"=40'), north arrow, legend, and Engineer's seal with signature and date
	Key map showing location of street(s) if necessary for large subdivisions
	Existing and proposed topographic contours at a maximum of two foot intervals, scaled back
	Proposed and existing street names, lot and block numbers
	Show proposed and existing storm lines and street lights with a scaled back line type
	Stationing with water/ wastewater line layout directly over the profile stationing. Label size and line identification for every pipe segment and for manholes. Delineation, location, dimensions and material of existing and proposed water and wastewater lines and appurtenances with distinguishable line types
	Water and wastewater service lines must be shown in line with the lot lines. Where that is not possible because of the location of a storm inlet, light pole, etc., single service lines must be used for each lot and may be offset a minimum of 4' from obstruction.

## CONSTRUCTION PLAN CONTENT CHECKLIST

Water/ Wastewater Profile	
	Scale (H: 1"=40' and V: 1"=2') and legend. Show heavyweight lines at every 100' station and heavyweight lines at every 2' vertical elevation line.
	Profile all wastewater mains, profile all water mains 12" in diameter and greater
	Water/ Wastewater plan and profiles must be on their own sheets, separate from street and storm profiles.
	Show delineation, dimensions, material and slope of proposed utility lines and appurtenances - all existing and proposed crossing utilities at their existing or proposed elevation and indicate encasement where necessary per TCEQ
	Delineation, location, dimensions, slope, flow line and stationing of existing and proposed utility systems
	Delineation, location, dimensions, material and elevations, in and out, of proposed utility line appurtenances
	Show match lines with indication of sheet for continuation and reference sheet numbers for intersecting streets for the utility plan and profiles
	Water lines have a minimum forty-eight 48" of cover measured from the top of the pipe or valve actuating nut to the finished ground surface. Wastewater lines have a minimum of 48 inches of cover below the actual subgrade.
	Show encasement of utility lines when separation distances cannot be provided per TCEQ Publication RG-195 290
	Call out velocity in each section of wastewater main between manholes at peak capacity using peak wet weather flow, velocity not less than 2 fps or more than 10 fps per DG6.1E
	Wastewater pipe crown elevations of mains flowing into manholes shall be 0.1 feet above the crown of the out-flowing main
Construction Details Sheet(s) ( <a href="http://www.pflugervilletx.gov/index.aspx?NID=1339">http://www.pflugervilletx.gov/index.aspx?NID=1339</a> )	
	Traffic Control Details if applicable
	Other non-City details as appropriate
Additional Information	
	TXDOT Permit(s) to Construct Driveway Facilities on Highway Right of Way and related, if applicable.
One copy of the Engineering Report to include (unless provided in plans)	
	Water Model (EDM Section 5)
	Wastewater Capacity Calculations (EDM Section 6)
	Drainage – Calculations for times of concentration and flow calculations for the 2, 25 and 100-year storm per City of Austin DCM Section 2, Inlet Flow Calculation Table per City of Austin DCM Section 4.4.3, Hydraulic Computation table per City of Austin DCM Table 5-7 and Detailed detention pond sizing calculations including stage-storage table and stage-discharge rating data in tabular form with all discharge components such as orifice, weir and outlet per City of Austin DCM 8.3.0

**To Be Completed by the Applicant:** To the best of my knowledge I confirm that this application is complete.

Print Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_