Table of Contents

GENERAL INFORMATION .................................................................................................................................. 2
Welcome ................................................................................................................................................ 3

PROCESS FOR PUBLIC INFRASTRUCTURE PLAN REVIEW AND APPROVAL .................................................. 4
Submittal Requirements .......................................................................................................................... 5
Review Times ......................................................................................................................................... 5
Common Comments in the Development Review Process ................................................................... 5
Plan Approval Requirements ................................................................................................................. 6

PUBLIC INFRASTRUCTURE PRE-CONSTRUCTION AND CONSTRUCTION ACTIVITIES ... 7
Pre-Construction Documents ............................................................................................................... 8
Construction of a Public Infrastructure Project ..................................................................................... 8
Testing .................................................................................................................................................... 9
Closing out of a Public Infrastructure Project ........................................................................................ 9
Final Plat Recordation .............................................................................................................................. 10
Warranty Inspections of a Public Infrastructure Project ..................................................................... 10

FEES ........................................................................................................................................................... 12

APPENDICES ............................................................................................................................................. 14
Appendix A – Public Infrastructure Plan Review Checklist .................................................................. 15
Appendix B – Public Infrastructure Pre-Construction Request ............................................................ 24
GENERAL INFORMATION
Welcome

October 21, 2020

Welcome to the City of League City Public Infrastructure Development Handbook. This handbook provides a quick reference for the required steps for new development within the City of League City as it relates to the design and installation of public infrastructure and as outlined in the City’s General Design and Construction Standards and related City Resolutions and Ordinances. While a more thorough accounting of these processes can be found in the City’s standards, resolutions, and ordinances, the Public Infrastructure Development Handbook is intended to provide a snapshot of the standard process for a Public Infrastructure Project.

I very much value our relationships with all parties associated with new development and I look forward to furthering these partnerships as well as creating new ones as League City continues to grow. Please provide any input and feedback to us so that we can continue to improve upon our current processes.

Sincerely,

Christopher Sims
Director of Engineering
PROCESS FOR PUBLIC INFRASTRUCTURE PLAN REVIEW AND APPROVAL
Submittal Requirements
Digital files of public infrastructure plans need to be submitted to the City’s Engineering Department. The plans should be accompanied with the Infrastructure Application, the Public Infrastructure Project Checklist and a Wetland Statement. Upon receiving a complete submittal package, the Engineering Department will route the plans to all required reviewing Departments within the City.

The Checklist is to be signed and sealed by the Engineer of Record (EOR). The Wetland Statement will also be submitted by the EOR and will note either (1) No Wetlands were found within the project area, or (2) wetlands were found and proper wetland protection measures have been added to the submitted plans.

If applicable the following items should also be included with the plan submittal:

- Traffic Impact Assessment
- Drainage Study
- TxDOT approvals for driveway and drainage connections into their jurisdiction (or evidence the application is still under review)
- Any State or Federal approved permits (or evidence the application is still under review)
- Pipeline Company approvals (on pipeline letterhead)

Review Times
The Engineering Department will issue review comments within 10 working days of accepting the submittal package. If for some reason this review period can not be met, Staff will reach out via email and/or phone to both the Primary Point of Contact and the Property Owner and provide an update.

Common Comments in the Development Review Process
The following is a list of common issues that the Engineering Department routinely faces. Please note that missing and/or incomplete information often leads to the Department not being able to provide a complete review and could ultimately lead to the plan submittal being rejected and returned to the applicant.

1. Traffic Impact Analysis (See Chapter 8, Item 802 of City’s General Design & Construction Stds.)
   a. The TIA Access Management Data Form is not provided at the time of submittal.
   b. If a Level I, II, or III TIA is required, the TIA Review Fee is not provided at the time of submittal.
   c. Existing conditions of the adjacent roadways are not illustrated on TIA report map, nor referenced.
   d. Connectivity and shared access issues are overlooked.
   e. Improvements for sub-standard streets are not identified.
2. **Streets (See Chapter 6 of City's General Design & Construction Stds. & Master Mobility Plan)**
   
   a. Documents do not conform with City’s Master Mobility Plan.
   b. Documents show the projection of streets into un-subdivided property outside the area’s Master Development Plan limits.
   c. A lack of Local Collector Streets. Local Collectors Streets can be needed due to the design of new development. These types of streets are needed to accommodate low to moderate traffic Volumes (generally 1,500 to 5,000 ADT).
   d. Improper number of access points
   e. Missing or no topographic information
   f. 100-yr (1%) Floodplain Information is missing
   g. Engineering documents generally do not indicate a clear vision (site distance) easement on the plat or plans. The design of street intersections omitting the clear vision easement can result in a loss of corner lot utilization (See Chapter 8, Item 805 of the City’s General Design & Construction Stds.).
   h. Construction documents do not always consider street types and intersection angles resulting in incorrect minimum radii for curb and property line returns.
   i. The minimum turning radius of fire trucks (50 feet) are frequently not addressed during the design of intersections and the placement of traffic islands.
   j. In developed areas, engineering documents typically contain an excess of regulatory signs, a shortage of information signs, and a general lack of detail on existing signage that could be adversely impacted by construction operations.
   k. Proper Access Management criteria is not followed (See Chapter 8, Section 801 of City’s General Design & Construction Stds.).

3. **Drainage (See Chapter 7 of the City’s General Design & Construction Stds.)**
   
   a. Design Engineer does not supply enough information on engineering/construction documents such as existing/proposed calculations, runoff coefficients, etc.
   b. Plans reflect new roadways exceeding 9” of ponding depth during a 1% rain event
   c. Lack of a letter stating that there is no adverse impact to downstream properties. The letter is to be signed and sealed by the Engineer of Record (may be part of Master Plan Drainage Analysis).
   d. Detention pond plans are not detailed enough. Plans should show several cross-sections including the outfall and provide elevations

**Plan Approval Requirements**

The below items can be submitted for review and acceptance anytime during the review process, but must be provided prior to the City signing off on the public infrastructure plans:

- Traffic Impact Assessment (if applicable)
- EOR’s Sealed Construction Cost Estimate or the bid tab with a letter noting the intent to contract
- Storm Water Quality Management Plan and Permit
- Copies of approved State and Federal Permits (if applicable)
PUBLIC INFRASTRUCTURE PRE-CONSTRUCTION AND CONSTRUCTION ACTIVITIES
Pre-Construction Documents

Pre-Construction documents can be somewhat project specific, but at a minimum the following documents should be submitted:

- Pre-Construction Meeting Request
- Receipt of Payment for Engineering Review and Construction Inspection Fees
- Electronic file of executed Construction Contract and Specifications, including the Contractor’s Certificate of Liability Insurance, and Performance Bonds
- One (1) full size and two (2) half-size sets of approved construction plans for the project
- One (1) paper copy and one (1) electronic file of all required TCEQ documents (N.O.I., Small Construction Site Notice, etc.)
- Electronic copy of all approved permits (if not already submitted)

These documents are to be submitted to the City at least 3-days prior to the Pre-Construction Meeting taking place. We understand that some projects can move very rapidly and will work with you on timing of the preconstruction documents, but in those few cases, it should be understood that if the fully completed documents cannot be provide at the time of the Pre-Con, then the meeting cannot take place and a new Pre-Construction Meeting will need to be scheduled.

Construction of a Public Infrastructure Project

The Developer is to provide for inspection, sampling and testing necessary for day-to-day job control – This is typically something that the Developer has the EOR handle. The EOR or assigned representative is to inspect all work performed and all materials furnished to the project and bring any deficiencies in work or materials to the attention of both the City and Contractor.

The City’s Engineering Department’s representative decides on all questions related to the quality or acceptability of the materials furnished and work performed, manner of performance, the interpretation of the City’s construction requirements, and the acceptable fulfillment of the Developer/Contractor’s obligations.

Inspections by the City’s Inspector does not relieve the Developer/Contractor from any obligations to perform the work in accordance with the requirements of the City’s specifications and the presence of a City Inspector does not relieve the Developer/EOR of his inspection responsibilities.

If damages to a City facility or authorized franchise utility occurs during the construction of a project, a Bond or Cash Deposit may be required to cover unsatisfactory repairs and/or to warranty the repairs.
Testing

**Water:**

Hydrostatic testing is required for all new water mains. This test will not be conducted until the water mains and all appurtenances have been installed and backfilled, and all surface pavement, lot grading and other related construction activities are complete within the area of line to be accepted. This test is conducted by the Contractor and monitored by the City’s Inspector and the Developer/EOR Inspector.

After the Hydrostatic test has passed, the Contractor will need to request in writing for the City to flush and collect samples for bacteriological analysis to confirm the water mains have been properly disinfected.

**Sanitary Sewer:**

After the gravity sanitary sewer mains and all appurtenances have been installed and backfilled, and all surface pavement, lot grading and other related construction activities are complete within the areas of line to be accepted, a low pressure air test shall be conducted by the Contractor and monitored by the City’s Inspector and the Developer/EOR Inspector. Manholes shall be vacuum tested in accordance with TCEQ Rule 217.58.

All sanitary sewer mains shall be inspected visually to verify accuracy of alignment and freedom from debris and obstruction. Sanitary Sewer Mains 36” in diameter or smaller shall be inspected with television equipment. Copies of the video and TV inspection report are to be provided to the City. City Staff needs 5 business days to review the videos and issue any comments. If videos are submitted with the final closeout documents, the may delay final acceptance of the project.

Pressurized Sanitary Sewer Mains will need to pass a Hydrostatic Test.

**Storm Sewer:**

All storm sewer mains shall be inspected visually to verify accuracy of alignment and freedom from debris and obstruction. Sanitary Sewer Mains 48” in diameter or smaller shall be inspected with television equipment. Copies of the video and TV inspection report are to be provided to the City. City Staff needs 5 business days to review the videos and issue any comments. If videos are submitted with the final closeout documents, the may delay final acceptance of the project.

Closing out of a Public Infrastructure Project

A walk-through will be scheduled upon written request from the Developer/EOR that the project has been completed. It is the Engineering Department’s intention to schedule the walk-through within 3 business days of receiving the written request and confirmation from the City Inspector that the walk-through is warranted.
It is anticipated that the Developer/EOR will issue the formal punch list within 2 business days of the walk-through taking place.

The submittal and approval of close out documents (formal request for acceptance, summary of infrastructure, as – built plans, etc.) can be project specific, but at a minimum this submittal should include a Formal Request for Acceptance, the EOR’s Certificate of Completion, the EOR’s Summary of Infrastructure Cost, As-Builts of Construction Plans, and a Warranty and Maintenance Bond. These documents should be presented to the Engineering Department within 10 business days of the final punch list being completed.

It is the intention to issue a Final Acceptance Letter within 3 business days of receiving the above noted documents and the final punch list being fully addressed.

Upon issuance of the Final Acceptance Letter, the 1-year warranty period begins for all items except for streets. Streets warranty begins at 90% completion of buildout.

**Final Plat Recordation**

It is important to note that the City’s Engineering Department will not typically sign off on a Final Plat being recorded without all the above noted documents being submitted and accepted by Staff.

In some cases, the Director of Engineering may allow Final Plats to be recorded prior to all public infrastructure being accepted. In those cases, the following is required:

- The project is close to being completed – meaning all that is left is minimal site finish grading, sidewalks, sign installation, traffic striping, water/sewer/drainage testing, failed pavement replacement work, etc.
- A Formal Letter requesting the early recordation of the Final Plat
- A sealed EOR construction estimate of the remaining work
- A bond or Letter of Credit for the amount of remaining work noted in the EOR estimate plus 10%

**Warranty Inspections of a Public Infrastructure Project**

A Site walk-through is conducted approximately 10 to 11 months after the City’s final acceptance letter is issued. The resulting punch list is to be provided to the Developer/EOR/Contractor within 3 working days of the walk-through. It is expected that all noted punch list items will be completed prior to the expiration of the warranty unless a prior agreement has been made to extend the warranty period to allow time for the punch list to be completed.

Once the Warranty repairs are completed and verified, a letter of Total Completion for the public water/sanitary sewer/storm sewer infrastructure will be issued and the Warranty and Maintenance Bond for those items can be released.
The Warranty and Maintenance Bond for the public street system would not be released until that established warranty period has expired and the Engineering Department receives a formal release request.
Fees
Ordinance #2018-46 (Engineering Services and Construction Inspection Fee) establishes the following fees:

- A fee equal to 2.5% of the value of public improvements is to be paid prior to the City scheduling a Pre-Construction Meeting.
- $50/hour assessment for after-hour/overtime Inspections. The Engineering Department will work with the Developer prior to the scheduled Pre-Construction Meeting to determine an estimated number of hours for after-hour/overtime inspections so that a portion of the anticipated fee can be paid in advance of the work beginning. The Engineering Department will require written notice from the developer/contractor by 12:00 PM on Thursdays if they have planned work for the weekend that requires inspection.


- Level 1 Fee: $300 – This is for TIAs that analyze areas within ¼ mile of the boundaries of the development and critical intersections (as determined by the City) just outside of this window.
- Level 2 Fee: $800 – This is for TIAs that analyze areas within ½ mile of the boundaries of the development and critical intersections (as determined by the City) just outside of this window.
- Level 3 Fee: $1,000 – This is for TIAs that analyze areas within 1 mile of the boundaries of the development and critical intersections (as determined by the City) just outside of this window.

Capital Recovery Fees:

CRFs have been established for Roadways, Water and Sanitary Sewer. Fees are calculated on based on the development. These fees are assessed at the time of platting but will be paid at the time the Building Permit is issued.
Appendix A – Public Infrastructure Plan Review Checklist
Project Name: ___________________________ Date: ___________________________

City Project #: ___________________________ Submittal #: ___________________________

Engineer Contact & Phone #: __________________________________________________________

All Public Infrastructure Plan Submittals, including revisions, shall be submitted to the Planning Department for routing to the respective City Departments for review. This checklist should be completed ("Yes", "No", "N/A") with all applicable documentation included with each submittal to the City. **If this checklist is not completed and included with each plan review submittal, the City will return the submittal without a detailed review taking place.**

Submitted Plans should include the following sheets, at a minimum, and in the following order:

1. Cover Sheet
2. Copy of most current version of Plat
3. Boundary & Topographic Surveys
4. General Construction Notes
5. Overall Site Plan
6. Grading Plan
7. Drainage Plan
8. Storm Water Pollution Prevention Plan
9. Traffic Signage & Pavement Marking Plan
10. Landscaping/Irrigation Plan (if applicable)
11. Overall Utility Plan
12. Plan & Profile drawings for Public Infrastructure
13. General & Site Specific Details

Current Construction Standards, Details and Master Plans can be found on the City’s website (www.leaguecity.com) and/or on the City’s FTP site (ftp.leaguecity.com).

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**Part 1**

**A. General**

1. Are Two (2) plan sets (submitted on 24” x 36” sheets) and one (1) CD in PDF being submitted?

2. Have the plans been checked for accuracy against the applicable City Master Plans?
   a. Park’s Master Trails Plan.
   b. Master Mobility Plan.
   c. Master Water Plan.
   d. Master Sewer Plan.

3. Is the North arrow and scale of drawing shown on each sheet?

4. Is Information provided tying Benchmarks to known CITY Accepted Benchmarks?

---

Date: October 2020
A. General cont.

5 Does the Project Title listed in Title Block(s) agree with the Title used for Final Plat?

6 Is there a note on all Plan Sheets stating “FOR REVIEW” or “FOR REVIEW ONLY NOT FOR CONSTRUCTION”? The note will need to remain until all sheet until all City Staff comments have been addressed.

7 Are Offsite Easement required? If so, one (1) copy of each recorded easement should be submitted with plans.

8 Are TxDOT Permits required (Driveway, Drainage, etc.)? If so, driveway and road connections to TxDOT Highways must first be reviewed and approved by the City’s Engineering.

9 Is a Traffic Impact Assessment (TIA) required for this development? At a minimum, the TIA Access Management Data Form “A” or “B” should be submitted for each new development.

10 Is a Flood Impact Assessment (FIA) and/or a Master Drainage Plan required for this development?

11 Is one of the following included with submittal: (1) Tree Survey with inventory & disposition plan, or (2) Letter from Certified Arborist, Licensed Surveyor, or Landscape Architect certifying that there are no Protected Trees on the site?

12 Has TCEQ paperwork been included with the submittal? For sites 1 to 5 acres a completed “Small Construction Site Notice” form is required. For sites larger than 5 acres, a copy of the submitted “NOI” is required.

13 If applicable, the following items will need to be submitted:
   a. Approved US Army Corps of Engineers Permit(s)
   b. Approval Letter from Pipeline Companies
   c. Approval Letter from Historic District Commission
   d. Approval Letter from Parks Board

B. Cover Sheet

1 Does the Cover Sheet have a location map and vicinity map (with North Arrow) of the project area?

2 Does the Cover Sheet have an Index to drawings?

3 Does the Cover Sheet have the appropriate Signature Block on it?
### Part 2

**Overall Site Improvements**

#### A. Overall Site Plan

1. Have the following been depicted and labeled properly:
   - Property Lines, Existing and Proposed Easements, Existing and Proposed Rights-of-Way, Existing and Proposed Sidewalks?

2. If applicable, is the location of the boundary of the 100-year floodplain shown and clearly labeled?

3. Are one (1) foot elevation contours shown and clearly labeled?

4. Is the project’s permanent and/or temporary benchmarks clearly shown and labeled with datum based on CoLC benchmarks?

5. Is the adjoining land ownership information (name and deed record) clearly shown?

#### B. Grading Plan

1. Have typical sections for Lots been provided?

#### C. Drainage Plan

1. Does the plan depict and label (dimensions, sizes, etc.) all existing or proposed public and/or private storm sewer lines and appurtenances?

2. If applicable, is the location of the boundary of the 100-year floodplain and/or floodway shown and clearly labeled?

3. If applicable, does the plan include accommodations for historic sheet flows from upland adjacent properties?

4. Is the 100-year flow direction schematic provided?
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>5</td>
<td>Does the plan indicate sub areas for each inlet or set of inlets and off-site areas?</td>
<td></td>
<td>Does the plan depict locations for construction entrance, washout areas, filter fence, inlet protection barriers, etc?</td>
<td></td>
<td>Does the plan depict all signage and pavement markings with callouts and dimensions in accordance with the Manual of Uniform Traffic Control Devices (latest edition)?</td>
<td></td>
<td>Does the plan provide a landscape table that shows what is required and what is being provided?</td>
</tr>
<tr>
<td>6</td>
<td>Does the plan show points of concentrations for each drainage sub-area (i.e. drainage arrows)?</td>
<td></td>
<td>Is the concrete washout pit located a minimum of fifty (50) feet from any existing/proposed drainage ways and the construction entrance?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
<td></td>
<td>Does the plan provide a proposed planting schematic, with a plant/tree list or legend (including common and scientific names, quantities, sizes, and spacing)?</td>
</tr>
<tr>
<td>7</td>
<td>Are runoff calculations provided for the 2-year, 5-year and 100-year storms?</td>
<td></td>
<td>Are the post-construction pollution prevention measures (BMPs) clearly shown and labeled?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
<td></td>
<td>Does the plan show proposed and existing (that is to remain) plant materials labeled and drawn to scale for size at maturity?</td>
</tr>
<tr>
<td>8</td>
<td>Are calculations for inlet time and pipe travel provided?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
<td></td>
<td>Does the plan show proposed and existing (that is to remain) plant materials labeled and drawn to scale for size at maturity?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
</tr>
<tr>
<td>9</td>
<td>Has a Hydrology Summary Table been provided?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
</tr>
<tr>
<td>10</td>
<td>Do the on-site and off-site topography show the total drainage area for the project?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
</tr>
<tr>
<td>11</td>
<td>If applicable, are detention calculations provided?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
<td></td>
<td>Does the plan depict all signage and appurtenances needed for traffic control during the construction of the project?</td>
</tr>
</tbody>
</table>
F. Landscaping & Irrigation Plan cont.
4 No large landscaping features (trees, etc) are placed over public utilities or within their easements and rights of ways.

5 Does the plan show the location of all utility appurtenances with a minimum of two (2) foot clearance of all proposed

G. Overall Utility Plan
1 Are all existing and proposed utilities & appurtenances (water & sewer mains, fire hydrants, light poles, etc.) shown and

2 Are all existing and proposed utility easements shown and labeled?

3 Are all proposed utilities being installed within the Rights of Way and/or Easements?

4 Are utility conflicts noted and proper details referenced?

Part 3 Plan & Profile Sheets
A. General Requirements
1 Is a legend on each sheet identifying existing and proposed mains?

2 Is the location of existing and proposed utilities, storm drainage lines and inlets shown and clearly labeled?

3 Are all block and lot numbers shown?

4 Is the location, width, and type of easements (existing & proposed) shown and clearly labeled?

5 Are all conflicts with existing or proposed utilities and drainage shown and proper details referenced?

6 Are all existing offsite utilities, including drainage, within 200' of the project limits shown?

B. Water System Improvements
1 Are the proposed water mains designed in accordance with the requirements outlined in the City's General Design and Construction Standards?

2 Is the size and type of the proposed water mains identified?
<table>
<thead>
<tr>
<th></th>
<th>Water System Improvements cont.</th>
<th>EOR</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Is the water main dimensioned to the Right of Way?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Are water main valves properly spaced? Water Mains 12&quot; or less in size to have valves spaced no more than 1,500' apart. Water Mains 16&quot; or larger in size to have valves spaced no more than 2,200' apart. Isolation Valves needed in all directions of an intersection.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Is the proposed water main a &quot;Looped System&quot;?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Are proposed Fire Hydrants properly spaced: 500' along the line for Residential and 300' along the line for Non-Residential developments?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Are Fire Hydrants located a minimum of three (3) feet behind the back of curb (existing or proposed) or within three (3) feet of the Right of Way (for State Highways)?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Where approved for future water main extensions, is blue dead-end fire hydrant being called out?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Sewer System Improvements</th>
<th>EOR</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Are the proposed sewer mains designed in accordance with the requirements outlined in the City's General Design and Construction &amp; TCEQ Standards?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Do all manholes, cleanouts, and service leads have Station Numbers and Offsets called out?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Is the size and type of the proposed sewer mains identified?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>The maximum manhole spacing for sewers with straight alignment and uniform grades shall be four hundred and fifty (450) feet and be placed at points of changes in alignment, grade or size of sewer, and at the intersection of sewers and the end of all sewer lines.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>If applicable, are drop connections and/or water tight manhole covers called out?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Is the proposed sewer main being installed within 9' of an existing or proposed water main or within 7' of any other existing or proposed utility?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Do the proposed grades for the sewer main meet the minimum established for the sized pipe?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
D. Drainage System Improvements

1 Are the proposed drainage systems designed in accordance with the requirements outlined in the City's General Design and Construction Standards?

2 Are curb inlets spaced so that the maximum travel distance of water in the gutter will not exceed 300 feet?

3 Do all inlets and junction boxes have Station Numbers and Offsets called out?

4 Is the size and type of the proposed drainage systems identified?

5 Is the types and sizes of existing & proposed headwalls called out?

6 Is slope paving provided at all outfalls?

7 If applicable, have the locations and sizes of energy dissipaters been called out?

8 Are curb inlets properly sized to provide for less than 9" of depth during the 1% storm?

E. Paving Improvements

1 Are the proposed streets designed in accordance with the requirements outlined in the City's General Design and Construction Standards?

2 Do plans show required sidewalks (type and width)?

3 Are top of curb elevations show at each inlet and at quarter points on Cul-de-Sacs, PCs, and PTs

4 Is the pavement properly dimensioned to the Right of Way?

5 Do the proposed streets' vertical curves and intersections meet the required sight distances as calculated using the most current AASHTO design criteria?

6 Do the radii of street curves at centerline meet design requirements?

<table>
<thead>
<tr>
<th></th>
<th>Design Speed</th>
<th>Centerline Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Arterial</td>
<td>50MPH</td>
<td>2,000'</td>
</tr>
<tr>
<td>Minor Arterial</td>
<td>50MPH</td>
<td>800'</td>
</tr>
<tr>
<td>Collector Street</td>
<td>35MPH</td>
<td>500'</td>
</tr>
<tr>
<td>Residential Street</td>
<td>25MPH</td>
<td>160'</td>
</tr>
</tbody>
</table>
Part 4

Final Plan Submittal

A. General Requirements

1. Have the “FOR REVIEW” or “FOR REVIEW ONLY NOT FOR CONSTRUCTION” notes been removed and replaced with the respective design engineer's seal and signature on all sheets?

2. Are Two (2) plan sets (submitted on 24” x 36” sheets) and one (1) CD in PDF being submitted for signature?

3. Has a Cost Estimate (signed and seal by Engineer of Record) or a copy of an accepted bid for the proposed work been included with the submittal?

---

(Signature)  (Date)  (Engineer's Seal)
Appendix B – Public Infrastructure Pre-Construction Request
I am requesting a Pre-Construction Meeting for the above noted development be scheduled at your earliest convenience. Included with this meeting request is the following documentation:

- a. Receipt of Payment in the amount of $______________ for Construction Inspection Fees.
- b. One (1) set of Construction Contract and Specifications, Including the Contractor's Certificate of Liability Insurance.
- c. Two (2) full size and two (2) half size sets of approved construction plans for the project.
- d. One (1) electronic file of construction plans (pdf & dwg) and the Overall Utility Layout (pdf & dwg) if part of a Master Plan.
- e. One (1) paper copy and one (1) electronic file of all required TCEQ documents (N.O.I., Small Construction Site Notice, etc.).
- f. One (1) paper copy and one (1) electronic file of all approved permits (TxDOT, USCOE, etc.).

Sincerely,

________________________________________
(Signature)

________________________________________
(Printed Name)

________________________________________
(Title)