City of Rosenberg

# INFRASTRUCTURE PLAN REVIEW SUBMITTAL APPLICATION INITIAL

2220 4th Street, Rosenberg, Texas 77471
Telephone: 832-595-3500 Fax: 832-595-3501
www.rosenbergtx.gov

| Date Received: | Received By: | Permit Number: |
|---|---|---|
| | | |

**Plan Review Fee required at time of submittal**

| | | |
|---|---|---|
| Project Address: | Project Valuation: $ | |
| Project Title: | **Plat Approved** ☐ **YES** ** ☐ **NO** | |
| | ***** No permit will be issued until the plat is approved*** | |
| Contact Person: | Business Phone: | |
| Business Fax: | Email: | |
| Engineer: | Company Name: | Business Phone: |
| Describe Proposed Construction (Water, Sewer, Paving, Storm-sewer, etc.): | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| **SIGNATURE OF ENGINEER OR AUTHORIZED AGENT** | **REVISED SUBMITTALS WILL NOT BE ACCEPTED WITHOUT RED-LINES BEING RETURNED** | |

**************************THERE WILL BE NO REFUND OR TRANSFER OF FEES********************

City of Rosenberg

# INFRASTRUCTURE PERMIT

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## Infrastructure Project Checklist/Information

□ Plan Review Fee must be paid at time of initial submittal

□ Please allow at least 10-15 business days for review of your plans

□ Once plans have been approved, a Pre-Construction Meeting will need to be scheduled by contacting Debbi Eben with Jones & Carter (281-342-2033). The Contractor as well as the Engineer should be present at this meeting.

□ Prior to the issuance of the Contractor's Permit, the following must be submitted:

- **Spec Books - 2 CD's (PDF Format)**
- **Plans - 2 CD's (PDF Format)**
- **4 full size sets of signed plans**
- **4 half size sets of signed plans**
- **Copy of Pre-Con sign in list**
- **2 Copies of NTP (Notice to Proceed)**
- **Copy of Executed Agreement with Contract Amount**

□ If the project is disturbing one acre of land or more (within the city limits) you will be required to apply for a Land Disturbance permit. In order to apply, the following MUST be received by the permit office:

- **Notice of Intent (filed with TCEQ)**
- **Complete, BOUND copy of the SWWWP (Storm Water Pollution Prevention Plan)**

□ Once project is completed, the following must be submitted:

- **As-Built/Record Plans - 2 Full Size**
- **As-Built/Record Plans - 2 Half Size**
- **As-Built/Record Plans – 3 CD's (PDF & *GIS Data or CAD Format; See Provided Details)**
- **Final Inspection Letter from Engineer**

Signature: _____ Date: _____

City of Rosenberg

# INFRASTRUCTURE PERMIT SUBMITTAL FEE SCHEDULE

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Telephone: 832-595-3500 Fax: 832-595-3501

I hereby certify I have read and examined this document and know the same to be true and correct. All provisions of law and ordinances governing this type of work will be complied with whether specified herein or not. I further understand that plans submitted for approval will be subjected to a comprehensive check against municipal ordinance and building code. Any set of plans that must be returned for modifications or corrections in order to come into compliance with ordinance or code will be subject to rechecking in order of submittal. Under no circumstances will paid fees be refunded or transferred. Applications and plans will be held for 90 days. After 90 days this application and plans will be disposed of unless a valid INFRASTRUCTURE building permit is issued.

_____ _____

Signature of Contractor or Authorized Agent Date

## FEE SCHEDULE

**PLAN REVIEW FEE** _____

Plan Review Fee shall be as follows:

a. One percent (1%) of the actual construction cost for projects fifty thousand dollars ($50,000.00) or less, or
b. Five hundred dollars for the first $50,000.00 plus one-half percent (0.5%) of the actual construction cost over $50,000.00

| Total Valuation | Fee |
|---|---|
| **$50,000.00 and less** | One percent (1%) of the actual construction cost of the project. |
| **$50,000.01 and up** | $500 for the first $50,000.00 plus one-half percent (0.5%) of the actual construction cost over $50,000.00. |

**INSPECTION FEE** _____

Inspection fee for water, sanitary sewer, drainage, and street improvements. Applicant shall provide estimated costs, and supporting information for determination of the cost of the project. These fees shall be payable on the earlier of the time of platting or upon request for an infrastructure permit. The fee shall be **one percent (1%) of the actual construction cost of the project.**

**EXAMPLE**

**VALUATION…….. $100,000.00**

**PLAN REVIEW FEE**

**1st $50,000 ……... + $500.00**
**Balance: $50,000 x 0.005 ..……..……..…+ $250.00**
**TOTAL: ……..= $750.00**

**INSPECTION FEE**

**$100,000 x .01 ……..……= $1,000.00**

**TOTAL FEES: ……= $1,750.00**

# Electronic Format Requirements for Final Acceptance of Record Drawings
# GIS Division

## Digital Data

1) PDF of Final Record Drawing (Required)
2) Digital (1 of 3 Required)
   - Listed in order of preference
   a. GIS File Geodatabase
      i. A blank database containing the feature classes will be provided
   b. GIS Shapefile
      i. A blank shapefile for each feature class will be provided
   c. AutoCAD .dwg (2014 or earlier)
      i. Each feature class should be a separate layer
      ii. Each layer should include the corresponding attributes for that feature class
3) Spatial Requirements for **ALL** GIS or AutoCAD Data Received by the City
   a. Coordinate System: NAD 83 (US Feet) - State Plane Texas South Central FIPS 4204
   b. Grid Units
4) Notes Field
   a. A notes field has been added to the feature classes for indicating anything of interest that does not fit within the context of the attribute schema

## Feature Classes to Include in digital format

1) Water Utilities
   a. Main Lines
   b. Service Lines
   c. Valves
   d. Hydrants
2) Sanitary Sewer Utilities
   a. Gravity Main Lines
   b. Force Main Lines
   c. Service Lines
   d. Manholes
   e. Cleanouts
   f. Valves
3) Storm Sewer Utilities
   a. Gravity Lines
   b. Force Lines
   c. Inlets
   d. Manholes
   e. Outfalls
   f. Detention Basins
4) Pavement
   a. Road Centerline
   b. Edge of Pavement
5) Boundaries
   a. Easements
   b. Right-of-Ways
   c. Lot Lines
6) Point of Reference
   a. Benchmarks

## Feature Class Attributes

### *Water*

| Water Main Line Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| MATERIAL | Pipe material abbreviation from list | PVC |
| DIAMETER | The pipe diameter given in inches with decimals if necessary (no fractions) | 6 |

| Water Service Line Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| MATERIAL | Pipe material abbreviation from list | CP |
| DIAMETER | The pipe diameter given in numbers with decimals if necessary (no fractions) | .75 |

| Water Valve Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| VALVETYPE | The type of valve from list | Gate |
| DIAMETER | Valve size given in inches with decimals if necessary (no fractions) | 8 |
| DEPTH | The depth of the line at the valve given in feet as a decimal if necessary (no fractions) | 4.25 |

| Hydrant Attributes: | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| MANUFACTURER | The manufacturer of the hydrant from list | Muller |
| MAIN_SIZE | The diameter of the main line the hydrant feeds from (not it's lateral) | 12 |
| MODELYEAR | Hydrant model year | 2004 |

### *Sanitary Sewer*

| Sanitary Gravity Main Line Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| MATERIAL | Pipe material abbreviation from list | VCP |
| DIAMETER | The pipe diameter given in inches with decimals if necessary (no fractions) | 10 |

| Sanitary Force Main Line Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| MATERIAL | Pipe material abbreviation from list | DIP |
| DIAMETER | The pipe diameter given in inches with decimals if necessary (no fractions) | 12 |

| Sanitary Service Line Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| MATERIAL | Pipe material abbreviation from list | PVC |
| DIAMETER | The pipe diameter given in numbers with decimals if necessary (no fractions) | 4 |

| Sanitary Valve Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| VALVETYPE | The type of valve from list | Gate |
| DIAMETER | Valve Size given in inches with decimals if necessary (no fractions) | 8 |
| DEPTH | The depth of the line at the valve given in feet as a decimal if necessary (no fractions) | 4.25 |

| Sanitary Manhole Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| WALMAT | The main wall material of the manhole from list | BR |
| MHTYPE | The type of manhole from list | DRP |
| CVTYPE | The diameter of the cover & if it is hinged | 32in Hinged |
| COATING | Brand name of coating applied, if any | Thanecoat |
| RIMELEV | The rim elevation in decimal feet | 100.15 |
| INVERTELEV | The lowest invert (flow line) in decimal feet | 93.31 |

| Sanitary Cleanout Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| CLTYPE | The cleanout type: Main or Service | Main |
| DEPTH | The depth of the line at the cleanout given in feet as a decimal if necessary (no fractions) | 4.25 |

## *Storm Sewer*

| Storm Gravity Main Line Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| MAINSHAPE | The shape of the line from list | Circular |
| MATERIAL | Pipe material abbreviation from list | RCP |
| DIAMETER | The pipe diameter given in inches with decimals if necessary (no fractions) ***IF BOX SKIP, SEE BELOW*** | 48 |
| HEIGHT | Height of box in decimal feet | 5.5 |
| WIDTH | Width of box in decimal feet | 5.5 |

| Storm Force Main Line Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| MATERIAL | Pipe material abbreviation from list | DIP |
| DIAMETER | The pipe diameter given in inches with decimals if necessary (no fractions) | 12 |

| Storm Manhole (including Junction Box) Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| WALMAT | The main wall material of the manhole from list | BR |
| MHTYPE | The type of manhole from list | JB |
| CVTYPE | The diameter of the cover &Y if it is hinged | 32in Hinged |
| RIMELEV | The rim elevation in decimal feet | 100.15 |
| INVERTELEV | The lowest invert (flow line) in decimal feet | 93.31 |

*Note: If a manhole/junction box serves as an inlet (for example, grated lid) place it in inlets feature class.*

| Storm Inlet (including grate lid manhole) Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| INLETTYPE | The type of inlet per city standards | A |
| ACCESSTYPE | The primary means of accessing the structure (from list) | Grate |
| TOPELEV | The top elevation in decimal feet, may be top of grate, cover, curb, etc. depending on inlet type | 100.15 |
| INVERTELEV | The lowest invert (flow line) in decimal feet | 93.31 |

*Note: If a manhole/junction box serves as an inlet (for example, grated lid) place it in inlets feature class.*

| Storm Detention Basin Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| BEDMATERIAL | The primary bed material | EAR |
| BNKMATERIAL | The primary bank material | EAR |
| DEPTH | Max Depth in decimal feet | 10.75 |
| VOLUME | The designed max volume in acre-feet | 10.35 |
| INVERTELEV | The lowest elevation point in the pond in decimal feet | 93.31 |
| OUTFLWELEV | The lowest elevation at which water outflows from pipe or other structure (include even if same as invert elevation) | 93.31 |

*Note: Feature should follow top bank line.*

## *Pavement*

| Road Centerline Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| STREET | Name of street | MAIN ST |
| PAVE_WIDTH | Width of pavement in feet | 30 |
| ROW_WIDTH | Width of ROW in feet | 40 |
| PAVE_TYPE | Pavement type | CONCRETE |

| Edge of Pavement Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| STREET | Name of street | MAIN ST |
| CURB | Is there a curb present | YES / NO |

## *Boundaries*

| Easement Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| TYPE | Type of easement | WATER, DRAINAGE, etc. |
| WIDTH | Width of easement in feet | 30 |

| Right-of-Way Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| STREET | Name of street | MAIN ST |
| WIDTH | Width of right-of-way in feet | 30 |

| Lot Line Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| NONE | | |

## *Point of Reference*

| Benchmark Attributes | | |
|---|---|---|
| *Field Name* | *Description* | *Example* |
| ID | Benchmark ID | FBC 134 |
| X_COORD | X coordinate in feet | 2999849.21 |
| Y_COORD | Y coordinate in feet | 13752664.3 |

*Note: Coordinates should be in NAD 83 (US Feet) - State Plane Texas South Central.*

## List of Codes for Attribute Types and Materials

| Pipe Material - Master List | |
|---|---|
| Descript: Pipe materials types based on the NASSCO standards | |
| *Code* | *Description* |
| ABS | ABS Plastic |
| AC | Asbestos Cement |
| ASP | Asphalt |
| BMP | Brick Masonry |
| BR | Brick |
| CAS | Cast Iron |
| CIPP | Cured In Place |
| CMP | Corrugated Metal |
| COP | Copper |
| CP | Concrete (Non-Reinforced) |
| CSB | Concrete Segments (Bolted) |
| CSU | Concrete Segments (Unbolted) |
| CT | Clay Tile |
| DIP | Ductile Iron |
| FRP | Fiberglass Reinforced |
| GP | Galvanized Pipe |
| GRC | Glass Reinforced Cement |
| HDPE | High Density Polyethylene |
| OB | Pitch Fiber (Orangeburg) |
| PCCP | Pre-Stressed Concrete Cylinder |
| PE | Polyethylene |
| PP | Polypropylene |
| PSC | Plastic/Steel Composite |
| PVC | Polyvinyl Chloride |
| RCP | Reinforced Concrete |
| RPM | Reinforced Plastic (Truss) |
| SB | Segmented Block |
| SP | Steel |
| TTE | Transite |
| VCP | Vitrified Clay |
| WD | Wood |
| OTH | Other |
| UNK | Unknown |

| **Hydrant Manufacturer** | |
|---|---|
| Descript: The name of the hydrant manufacturer | |
| *Code* | *Description* |
| American Darling | American Darling |
| Clow | Clow |
| Corey | Corey |
| Dresser | Dresser |
| East Jordan Iron Works | East Jordan Iron Works |
| Eddy | Eddy |
| Iowa Valve | Iowa Valve |
| Kennedy Valve | Kennedy Valve |
| M&H Valve | M&H Valve |
| M&H Valve / Dresser | M&H Valve / Dresser |
| Mueller | Mueller |
| Traverse City | Traverse City |
| US Pipe | US Pipe |
| Waterous | Waterous |
| Wood-Matthews | Wood-Matthews |
| Other | Other |
| Unknown | Unknown |

| Valve Type | |
|---|---|
| Descript: List of valves types | |
| *Code* | *Description* |
| **Regular System Valves** | |
| Ball | Ball |
| Butterfly | Butterfly |
| Cone | Cone |
| Gate | Gate |
| Plug | Plug |
| Roundway | Roundway |
| **Control/Specialty Valves** | |
| Altitude | Altitude |
| Blowoff | Blowoff |
| Combination | Combination |
| Vacuum | Vacuum |
| Air Control | Air Control |
| Air Gap | Air Gap |
| Air Release | Air Release |
| Atmospheric Vacuum | Atmospheric Vacuum |
| Backflow Control | Backflow Control |
| Double Check | Double Check |
| Pressure Vacuum | Pressure Vacuum |
| Pressure Reducer | Pressure Reducer |
| Simple Check | Simple Check |
| Vacuum Breaker | Vacuum Breaker |
| Vacuum Release | Vacuum Release |
| Surge Relief | Surge Relief |
| Snubber | Snubber |
| CLA | CLA |
| RPZ | Reduced Pressure Zone |
| Other | Other |
| Unknown | Unknown |

| Manhole Wall Material | |
|---|---|
| Descript: Manhole material used by the City | |
| *Code* | *Description* |
| BR | Brick |
| CP | Concrete |
| FRP | Fiberglass |
| UNK | Unknown |

| Manhole Type | |
|---|---|
| Descript: List of infrastructure Manhole Types | |
| *Code* | *Description* |
| STD | Standard |
| DRP | Drop |
| SPL | Split |
| DIV | Diversion |
| SED | Sedimentation |
| JB | Junction Box |
| COB | Conflict Box |
| OTH | Other |
| UNK | Unknown |

| Pipe Shape | |
|---|---|
| Descript: Sanitary and storm water pipe shapes | |
| *Code* | *Description* |
| Circular | Circular |
| Elliptical | Elliptical |
| Rectangular | Rectangular |
| Other | Other |
| Unknown | Unknown |

| Inlet Types | |
|---|---|
| Descript: List of inlet types | |
| *Code* | *Description* |
| A | A |
| A MOD | A-Modified |
| B | B |
| BB | BB |
| C | C |
| D | D |
| E | E |
| H-2 | H-2 |
| H-2 MOD | H-2-Modified |
| GMH | Grate Lid Manhole |
| OTH | Other |
| UNK | Unknown |

| **Access Type** | |
|---|---|
| Descript: Primary method of accessing inlet | |
| *Code* | *Description* |
| Door | Door |
| Grate | Grate |
| Cover | Cover |
| Hand | Hand |
| Lid | Lid |
| Unknown | Unknown |

| **Bed and Bank Material** | |
|---|---|
| Descript: Storm water bed and bank material types | |
| *Code* | *Description* |
| EAR | Earthen |
| C | Concrete |
| RR | Riprap |
| OTH | Other |
| UNK | Unknown |