



City of Rosenberg
INFRASTRUCTURE PLAN REVIEW
SUBMITTAL APPLICATION INITIAL

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

Date Received:	Received By:	Permit Number:
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Plan Review Fee required at time of submittal

Project Address:	Project Valuation: \$	
Project Title:	Plat Approved <input type="checkbox"/> YES ** <input type="checkbox"/> NO	
** No permit will be issued until the plat is approved		
Contact Person:	Business Phone:	
Business Fax:		
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

By signing this document I hereby certify that 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.

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



City of Rosenberg
INFRASTRUCTURE PERMIT

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

Infrastructure Project Checklist/Information

- Application & Plan Review Fee must be paid at time of submittal
- Please allow 10-14 Business days for review of your plans
- Once plans have been approved a Pre-Construction Meeting will need to be scheduled

- Prior to the issuance of permits the following must be submitted:
 - Spec Books - 2 CD's (PDF Format)
 - Plans - 2 CD's (PDF Format)
 - 4 full size sets of plans
 - 4 half size sets of plans
 - Copy of pre-con sign in list
 - 2 Copies of NTP - w/ total project value

- If the project is disturbing one acre of land or more you will be required to apply for a Land Disturbance permit

- Once project is complete 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 Format) ****or any other digital format compatible with GIS (.dwg, etc..) – See provided guidelines***
 - Final Inspection Letter from Engineer

Signature of Contractor or Authorized Agent

Date

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

- | | |
|---|--|
| <ol style="list-style-type: none">1) Water Utilities<ol style="list-style-type: none">a. Main Linesb. Service Linesc. Valvesd. Hydrants2) Sanitary Sewer Utilities<ol style="list-style-type: none">a. Gravity Main Linesb. Force Main Linesc. Service Linesd. Manholese. Cleanoutsf. Valves3) Storm Sewer Utilities<ol style="list-style-type: none">a. Gravity Linesb. Force Linesc. Inletsd. Manholese. Outfallsf. Detention Basins | <ol style="list-style-type: none">4) Pavement<ol style="list-style-type: none">a. Road Centerlineb. Edge of Pavement5) Boundaries<ol style="list-style-type: none">a. Easementsb. Right-of-Waysc. Lot Lines6) Point of Reference<ol style="list-style-type: none">a. Benchmarks |
|---|--|

Feature Class Attributes

Water

Water Main Line Attributes		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
MATERIAL	Pipe material abbreviation from list	CP
DIAMETER	The pipe diameter given in numbers with decimals if necessary (no fractions)	.75

Water Valve Attributes		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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:		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
MATERIAL	Pipe material abbreviation from list	PVC
DIAMETER	The pipe diameter given in numbers with decimals if necessary (no fractions)	4

Sanitary Valve Attributes		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
STREET	Name of street	MAIN ST
CURB	Is there a curb present	YES / NO

Boundaries

Easement Attributes		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
TYPE	Type of easement	WATER, DRAINAGE, etc.
WIDTH	Width of easement in feet	30

Right-of-Way Attributes		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
STREET	Name of street	MAIN ST
WIDTH	Width of right-of-way in feet	30

Lot Line Attributes		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
	NONE	

Point of Reference

Benchmark Attributes		
<i>Field Name</i>	<i>Description</i>	<i>Example</i>
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	
<i>Code</i>	<i>Description</i>
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	
<i>Code</i>	<i>Description</i>
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	
<i>Code</i>	<i>Description</i>
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	
<i>Code</i>	<i>Description</i>
BR	Brick
CP	Concrete
FRP	Fiberglass
UNK	Unknown

Manhole Type	
Descript: List of infrastructure Manhole Types	
<i>Code</i>	<i>Description</i>
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	
<i>Code</i>	<i>Description</i>
Circular	Circular
Elliptical	Elliptical
Rectangular	Rectangular
Other	Other
Unknown	Unknown

Inlet Types	
Descript: List of inlet types	
<i>Code</i>	<i>Description</i>
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	
<i>Code</i>	<i>Description</i>
Door	Door
Grate	Grate
Cover	Cover
Hand	Hand
Lid	Lid
Unknown	Unknown

Bed and Bank Material	
Descript: Storm water bed and bank material types	
<i>Code</i>	<i>Description</i>
EAR	Earthen
C	Concrete
RR	Riprap
OTH	Other
UNK	Unknown



City of Rosenberg
INFRASTRUCTURE
PERMIT APPLICATION CONTRACTOR

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

Date Received:	Received By:	Permit Number:
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Project Address:	Project Valuation: \$
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Project Title:

Contact Person:

Contact Phone:	Contact Email:
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Company Name:	Business Phone:	Business Fax:
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<i>Describe Proposed Construction (Water, Sewer, Paving, Storm-sewer, etc.)</i>

THE APPLICANT SHALL BE REQUIRED TO OBTAIN AN INFRASTRUCTURE PERMIT BEFORE ANY CONSTRUCTION IS COMMENCED.

Please Note: All required documents must be submitted by engineer prior to any permit issuance

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

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



City of Rosenberg INFRASTRUCTURE PERMIT

Infrastructure Project Checklist

- Must have a completed Contractor Registration form on file with the City
- An updated Certificate of Liability Insurance with the City of Rosenberg listed as the Certificate Holder
- Any/All licenses for the company (Including state/local)
- A completed Infrastructure Application must be filled out and submitted
- Permit fee will need to be paid unless otherwise accounted for

****All required documents must be submitted by engineer prior to any permit issuance***