

# COMMERCIAL PROJECTS GUIDANCE MANUAL

**SEPTEMBER 30, 2020** 

**CITY OF LAREDO Building Development Services** 



#### **PURPOSE**

The Building Developmental Services is committed to working with the building community to ensure all structures are built in compliance with the local building code. Our staff works diligently to ensure homes and non-residential structures are built with safety in mind.

The responsibility of the Commercial Plans Approval process is to review construction plans and reports for the proposed improvements of the submitted plans. The importance of the process is to assure the commercial plans meet all local, state, and federal guidelines, codes, and local ordinances. The Engineers and Architects of record representing the Commercial Development are responsible for assuring that all required submittals such as Construction Plans, Reports, and Documents be presented to the Building Commercial Permit Committee (BCPC) for review and approval.

#### SUBMITTAL PROCEDURES

#### **STEP 1: C3 Letter Utility Coordination Committee Process**

Prior to submitting for a Building Permit Application, the C-3 Letter from the Utilities Coordination Committee is required. In accordance with Ordinance 2005-O-022, "Prior to applying for a construction permit; it shall be required that all projects that will have impact on the public R.O.W. follow the Utility Coordination Process in accordance to the Utility and Coordination Guide and obtain a letter of completion of the process from the Utility Coordination office."

Please contact Mr. Roland Lozano, Utility Coordination Manager by phone at 956-794-1642 or by email at rlozano1@ci.laredo.tx.us

#### **STEP 2: Apply for a Permit**

☐ Please fill out application.

This is the link for the permit application and instructions:

https://www.cityoflaredo.com/Building/images/permits/applications building.pdf

Sign application and Submit along with C3 letter (if applicable) to
bldgpermits@ci.laredo.tx.us

Your project will be created in ProjectDox.

#### **STEP 3: Login to ProjectDox**

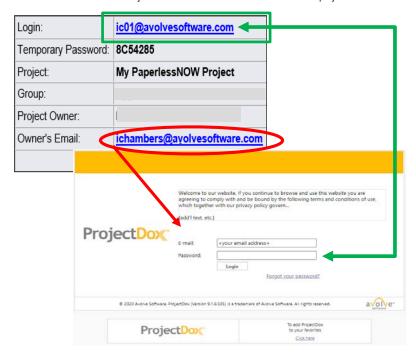
☐ An email notification will be sent to the email you provided on your Permit Application.

This single contact will be the Project Coordinator and this person will receive updates via 
ProjectDox. This email provides you a Temporary Password if this is your first-time logging 
into ProjectDox. The "Login to ProjectDox" link in the email will take you directly to the 
Login Page.

#### Invitation

#### Hello Icuser01 Applicant:

You have been added to the ProjectDox database and as a new member to the project listed below.



#### Logging into ProjectDox for the first time...

If you received a temporary password, you will need to change it to a permanent password and enter a security question and answer. This question/answer will be something that only you know, and will enable you

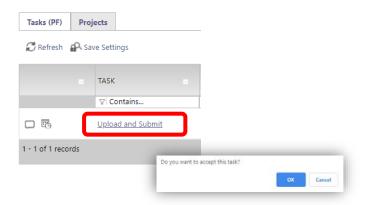
to reset your password if you ever forget what it is. If you need to reset your password, contact Alejandra Martinez: amartinez3@ci.laredo.tx.us



#### **STEP 4: Upload Project plans and Submit**

☐ You will receive an email with instructions for the "Upload and Submit" task.

To "accept the task", click on the link 'Upload and Submit' on the Home Page Tasks tab to open the eForm.



\*\*Important Hints: When creating the file naming, it is recommended <u>not to have more than 25 characters</u>. The limit is 70, but this is too long for the UI.

Ensure none of your file names are more than 70 characters, since that is the limit. DO NOT include the street address in the file name, just the Plan sheet number and Plan sheet name, see Table 1 (Example A1.0 FIRST FLOOR PLAN) Plan sheets are required to be UPLOADED INDIVIDUALLY.

#### **PLANS STANDARDS:**

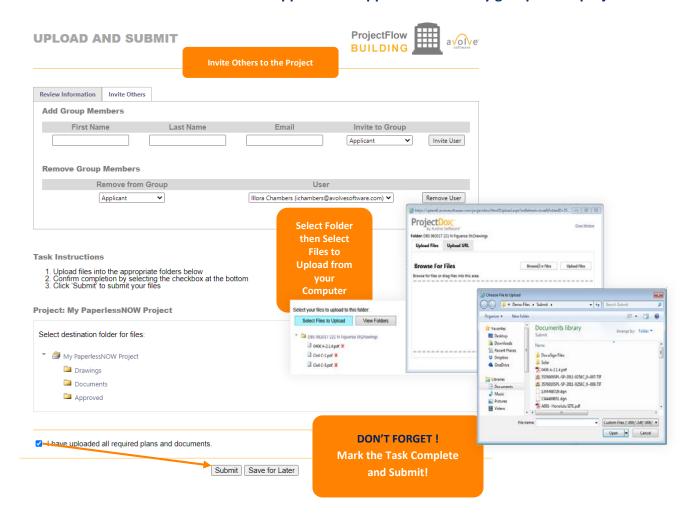
PDF files will be acceptable as supporting documentation (i.e. non-drawing files), No sketches or mobile screen shots will be accepted.

Ensure that all the plans comply with the following standards. Failure to meet these standards may delay your review for approval:

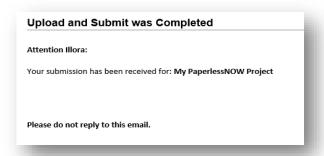
- Drawings Index of all Plans shall be submitted for review.
- Title block: All pages shall include the Name of the Business and Project Address (legal and physical address).
- Reserve an area for the Plan Sheet Number.

- Reserve an area for the Date and Revisions Dates.
- The plans must be to scaled with a minimum output dimension of 24" x 36"
- Place a Cloud and the Revision Description & Date in wording on the plans to quickly identify a markup and associate the comments (when applicable)
- Plans shall comply with City of Laredo Building Codes https://www.cityoflaredo.com/Building/.
- A 2"x2" space is required for the City of Laredo- Electronic Stamp when approved. (This will be located on the Top right area of all the pages)
- ☐ Review the submittal requirements as outlined by the jurisdiction and upload to the appropriate Drawings and Documents folder. DO NOT MIX drawings with documents or vice versa.

You also have the option to invite other people to the project so they can view comments and corrections requested during the plan review. Invite others by entering first name, last name and email and select either the Applicant or Applicant View Only group in the project.



☐ After you complete the task for "Upload and Submit", you will receive an email confirmation that your upload has been received! The city will get back to you if there are corrections needed from your submittal or if all is good to go!



This task can be repeated as many times as required until all corrections have been submitted. You will receive an email when your Prescreen review is accepted and review is beginning.

- ☐ If there are corrections needed, you will receive an email notification for a task "Prescreen Corrections".
- ☐ Login to ProjectDox and accept the task.

The Coordinator may have comments entered for additional instructions as shown in the example below. After making your corrections, please add and save your comments in response to the Coordinator. You are now ready to make your payment. The payment fees will be provided with the 'Prescreen Corrections' task.



#### Mark the task complete and submit your corrections.



#### **STEP 5: Building Payment for permit fee**

☐ You will be instructed of the amount to be paid for the building permit in the comment section. You can pay online at: <a href="https://click2gov.cityoflaredo.com/Click2GovBP/index.html">https://click2gov.cityoflaredo.com/Click2GovBP/index.html</a> through our Click2Gov portal. Once you pay send an email to <a href="mailto:bldgpermits@ci.laredo.tx.us">bldgpermits@ci.laredo.tx.us</a> with confirmation of payment and permit number.

#### **STEP 6: Plan Review**

After 'Prescreen Corrections' are resubmitted and payment is received, your project will be scheduled for plan review and the appropriate review divisions will be assigned.

#### **STEP 7: Respond and Resubmit**

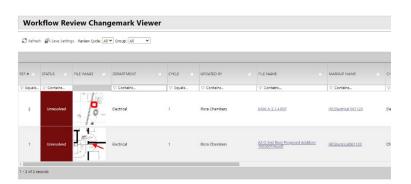
- ☐ After all the reviewers have completed their review, if there are any corrections, you will receive an email with instructions for your task 'Respond and Resubmit'.
- ☐ Accept the task to open the e-form. There are several sections on the e-form as described below:

#### a) View/Edit Changemark Items

Clicking on the View/Edit Changemark Items button to access the Workflow Review

View/Edit Changemark Items (2)

Changemark Viewer below:



- View the reviewer comments and markups
- Click on Markup Name to access drawings with markup



You have the option to respond to the reviewer comments by entering

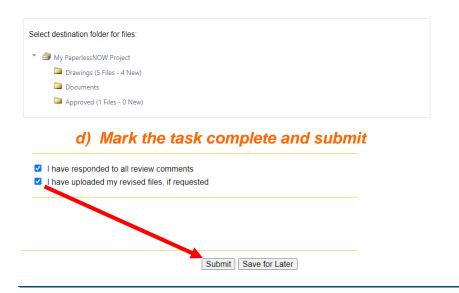
- your comments in the "Applicant Response" column on the changemark viewer beside each markup.
- You can organize/sort columns and save settings for your personal view

#### b) Reviewer status and Reviewer comments

Department	Reviewed By	Status	Reviewer Comments	<b>Applicant Comments</b>
Electrical		Corrections Required	Please check changemarks and comments for corrections needed.	

#### c) Upload the corrected files to folder

 Use always THE SAME FILE NAME. It is required by PojectDox to keep track of the revised plans of the Drawings and Documents folders. The Approved folder is ONLY for the FINAL Approved Drawings and Folders, DO NOT UPLOAD anything in the 'Approved' folder.



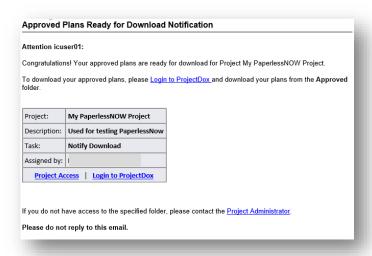
If there are corrections needed in your resubmittal, you will receive an email and task from the Coordinator with actions needed before the subsequent review can begin.

#### **STEP 8: Final Payment**

☐ When all the reviewers have completed and approved the project, the Coordinator will determine if final payment is due before stamping the plans. Follow the same instructions used for the initial payment fee. You will receive an email notification and task for any additional fees due. It will be your responsibility to pay all final fees.

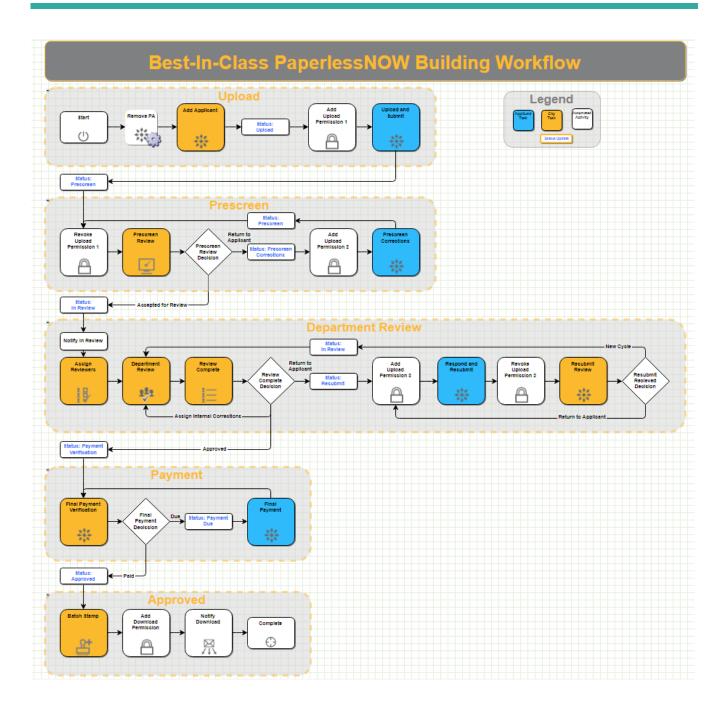
## ☐ Mark the task complete and submit ✓ All fees have been paid Submit Save for Later

☐ You will receive an email notification and access to Login to ProjectDox to download your plans from the 'Approved' folder.



#### **Approved Logo**





#### **Plan Reviewers**

### Building (956) 794-1625 (option # 3) bldgcomm@ci.laredo.tx.us

Alejandra Martinez
Liliana Silva-Hinojosa
Armida Vasquez
Mario Santos IV
Antonio Vilchis
Monica Ashley Montes

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#### Engineering (956) 791-7336

Favio Rodriguez Jesus Reyes

\*When building projects require storm inspections that will be on easements, connect to City of Laredo drainage or will be on city's ROW, they should contact our office to coordinate.

For scheduling, please call Martha Liendo at 956-791-7354.

We will then assign an inspector accordingly. If there is an urgent need for an inspector, customer can also reach out directly to Mr. Juan Medina our city inspector at 956-764-0837.

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Fire (956) 794-1633

Captain, Joe Arredondo Mauro Sandoval Lisa Villareal

#### Environmental (956) 794-1650

Ivan Santoyo

Traffic/Right-of-Way (956) 791-7357

Sinai Castro

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**Utilities (956) 721-2000** 

Jonathan Guantos Robert Estrada, Water Pollution

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Parks & Recreation (956) 729-4610

Kris Calderon Elizabeth Carrera Anita Stanley Submittal Checklist - The following is a Checklist to clarify to communicate with reviewers what items have been submitted for review. This form on every first submittal as part of the Submittal Response Letter.

#### Table 1

#### PLANS EXAMINERS:

YES	N/A	GENERAL
		T1.0 TITLE SHEET (Shall include Drawing Index of all Plan Sheets) T2.0 COMMCHECK-BUILDING ENVELOPE T3.0 INTERIOR LIGHTING AND MECHANICAL T4.0 ENLARGED LIFE SAFETY PLANS G000 ABBREVIATIONS, SYMBOLS AND GENERAL NOTES G101 LIFE SAFETY PLAN G102 ACCESIBILITY GUIDELINES AND ADA STANDARDS

YES	N/A	ARCHITECTURAL
		AD1.0 DEMOLITION SITE PLAN
		AD1.1 DEMOLITION FLOOR PLAN
		AD1.2 DEMOLITION SECOND FOOR PLAN
		AD1.3 DEMOLITION DETAILS
		AD1.4 DEMOLITION CEILING PLAN
		A0.0 ARCHITECTURAL SITE PLAN
		A0.1 SITE PLAN ENLARGEMENT
		A0.2 SITE PLAN DETAILS
		A0.3 TRASH ENCLOSURE PLAN AND ELEVATIONS
		AL0.0 LANDSCAPING PLAN
		AL0.1 LANDSCAPING DETAILS
		A1.0 FIRST FLOOR PLAN
		A1.1 ENLARGED FLOOR PLAN
		A1.2 ENLARGED FLOOR PLAN
		A1.3 SECOND FLOOR PLAN
		A1.4 ENLARGED SECOND FLOOR PLAN
		A1.5 ENLARGED SECOND FLOOR PLAN
		A2.0 REFLECTED CEILING PLAN FIRST FLOOR
		A2.1 REFLECTED CEILING PLAN SECOND FLOOR
		A3.0 ROOF PLAN AND DETAILS
		A3.1 ROOF PLAN DETAILS
		A3.2 ROOF REPLACEMENT PLAN

 <u> </u>
A3.3 ROOF REPLACEMENT DEMOLITION AND DETAILS
A4.1 EXTERIOR ELEVATIONS
A4.2 EXTEROR ELEVATIONS
A4.3 EXTERIOR ELEVATIONS DETAILS
A5.0 ENLARGED RESTROOMS
A5.1 ENLARGED RESTROOMS
A6.0 BUILDING SECTIONS
A6.1 BUILDING SECTIONS
A6.2 WALL SECTIONS
A7.0 INTERIOR ELEVATIONS
A7.1 INTERIOR ELEVATIONS
A8.0 ENLARGED STAIR PLAN, SECTION AND DETAILS
A9.0 ENLARGED FLOOR PATTERN PLAN
A10.0 DOOR & WINDOW TYPES & SCHEDULES
A10.1 DOOR & WINDOW TYPES & SCHEDULES
A10.2 DOOR & WINDOW DETAILS
A11.0 ROOM FINISH SCHEDULES
A11.1 FLOOR PATTERN PLAN
A12.0 ELEVATOR PLAN AND DETAILS
A13.0 MISCELLANEOUS BUIDING DETAILS
A13.1 MISCELLANEOUS BUIDING DETAILS

N/A	CIVIL
	C1.0 TITLE SHEET (INCLUDES LOCATION MAP)
	C2.0 GENERAL NOTES
	C3.0 PLAT
	C4.0 EXISTING IMPROVEMENTS / TOPOGRAPHIC PLAN AND SURVEY
	CONTROL
	C5.0 SITE PLAN C6.0 SITE DIMENSIONAL PLAN
	C7.0 JOINT LAYOUT PLAN
	C8.0 UTILITY PLAN (For existing and proposed including Fire protection with X & Y
	coordinates)
	C8.1 WATER METER ADDRESS TABLE PER BUILDING (see sample Table 2)
	C9.0 FIRE PROTECTION COVERAGE
	C9.1FIRE APARATUS ACCESS ROAD PLAN
	C10.0 WATER LINE PLAN & PROFILE 12" FIRE HYDRANT MAIN (STA 0+00
	- 16+50)
	C10.1 WATER LINE PLAN & PROFILE DOMESTIC LINE & SPRINKLER
	LINE "A"
	C10.2 WATER LINE PLAN & PROFILE SPRINKLER LINE "B" C11.0 SANITARY SEWER LINE PLAN & PROFILE
	C12.0 UTILITY DETAILS
	C13.0 GRADING PLAN
	N/A

C13.1 GRADING PLAN CROSS SECTIONS

C14.0 STORM DRAINAGE SYSTEM PLAN

C14.1 STORM DRAINAGE SYSTEM PROFILES

C14.2 STORM DRAINAGE DETAILS

C15.0 DETENTION POND PLAN, CROSS SECTIONS AND CONSTRUCTION

**DETAILS** 

C16.0 EROSION CONTROL PLAN & DETAILS

C17.0 RETAINING WALLS PLAN, PROFILES AND CONSTRUCTION

**DETAILS** 

C18.0 DRIVEWAY AND SIDEWALK PLAN

C19.0 DRIVEWAY AND SIDEWALK DETAILS PLAN

#### \*\*\* Utilities Requirements

SITE SURVEY- of existing and proposed water and sewer system including Fire protection with X & Y coordinates. Include the location of easements on the lot

TRAFFIC CONTROL PLAN – it needs to reflect actual conditions showing existing driveways, intersections number of existing lanes. No typical TCP from TxDOT.

WATER CONNECTIONS INSETS for the proposed meter connections.

OIL SEPARATOR (as required).

**GREASE TRAP PLAN AND DETAILS (as required),** 

SECONDARY SEWER LINE PREPARATION in case of a shell buildings one for the private domestic sewer and one for the private grease sewer line.

SWPPP (as required)

**CROSS SECTIONS (as required)** 

METER SIZE WORKSHEET. No meters on traffic or concrete areas.

WATER AND SEWER CALCULATIONS to our water and sewer system.

TAG OF PROPOSED METERS at the meter location and at the entrance of the building structure.

**METER SIZE TABLE (meter suite or apartment number with X & Y coordinates)** 

**ALL WEATHER ACCESS ROAD MAP (as required)** 

LIFT STATION PLANS AND DETAILS (as required)

**FORCE MAIN PLANS AND PROFILES (as required)** 

STORAGE TANK AND DETAILS (as required)

#### **COMPACTION REQUIREMENTS**

- ✓ Civil plans and MEP plans shall include X & Y coordinates for point of connection from the building to the water mains, sewer mains and fire protection system (coordination between both consultants).
- ✓ Approval from Utilities Director for individual meters for multifamily.
- ✓ Legal Description, address and project at every page.

MING PLANS

YES	N/A	MECHANICAL
		MEP MEP SITE PLAN M0.0 MECHANICAL LEGENDS, SYMBOLS & ABBREVIATIONS M0.1 MECHANICAL SCHEDULES AND DETAILS M1.1 FIRST FLOOR HVAC DEMOLITION PLAN M1.2 SECOND FLOOR HVAC DEMOLITION PLAN M2.1 FIRST FLOOR MECHANICAL PLAN M2.2 SECOND FLOOR MECHANICAL PLAN M2.3 MECHANICAL ENLARGED FLOOR PLANS M2.4 MECHANICAL ENLARGED FLOOR PLANS M3.0 MECHANICAL DETAILS M4.0 MECHANICAL EQUIPMENT SCHEDULE

YES	N/A	PLUMBING
TES	N/A	PO.1 PLUMBING SCHEDULES AND DETAILS P1.1 FIRST FLOOR PLUMBING DEMOLITION PLAN P1.2 SECOND FLOOR PLUMBING DEMOLITION PLAN P1.3 FIRST FLOOR PLUMBING PLAN P1.4 SECOND FLOOR PLUMBING PLAN P1.5 PLUMBING DIAGRAM AND SCHEDULES

YES	N/A	ELECTRICAL
		E0.1 ELECTRICAL LEGEND & SCHEDULES
		E1.1 FIRST FLOOR ELECTRICAL DEMO PLAN
		E1.2 SECOND FLOOR ELECTRICAL DEMO PLAN

E2.0 ELECTRICAL SITE PLAN E2.1 FIRST FLOOR ELECTRICAL PLAN
E2.2 SECOND FLOOR ELECTRICAL PLAN
E3.1 FIRST FLOOR LIGHTING PLAN E3.2 SECOND FLOOR LIGHTING PLAN
E4.1 ELECTRICAL FEEDER SCHEDULES ONE-LINE DIAGRAM
E4.2 PANEL SCHEDULES E5.1 ELECTRICAL DETAILS
E5.2 POWER & SIGNAL ENLARGED FLOOR PLAN
E5.3 LIGHTING ENLARGED FLOOR PLANS
E5.2 LIGHT FXTURES SCHEDULES

#### FIRE:

YES	N/A	FIRE
		F1.0 General Notes/Code Compliance Sheet
		F2.0 Life Safety Plan
		F3.0 Architectural Site Plan
		F4.0 Architectural First Floor Plan
		F5.0 Architectural Second Floor Plan
		F6.0 Fire Lane Plan
		F7.0 Fire Protection Notes, Legends and Details
		F8.0 Electrical Legends and Schedules
		F9.0 Electrical Site Plan
		F10.0 First Floor Electrical (Power) Plan
		F11.0 Second Floor Electrical (Power) Plan
		F12.0 First Floor Lighting Plan
		F13.0 Second Floor Lighting Plan
		F14.0 Kitchen Equipment Plan

#### **ENVIRONMENTAL**:

YES	N/A	ENVIRONMENTAL
		ENV1.0 STORM DRAINAGE REPORT (HYDRAULIC CALCULATIONS, FLOOD PLAIN INFORMATION RELATED TO DRAINAGE) ENV2.0 STORM WATER POLLUTION PREVENTION PLAN (SW3P) MANUAL WITH COMPLETED APPLICATIONS, POLLUTION PREVENTION POLLUTION PREVENTION PLAN (, AND NOI/SMALL CONSTRUCTION NOTICE ENV3.0 FLOOD PLAIN CONSTRUCTION PERMIT (MUST COORDINATE WITH FLOODPLAIN ADMINISTRATOR)

#### **ENGINEERING:**

YES	N/A	ENVIRONMENTAL
		ENG1.0 RETAINING WALL CALCULATIONS

<sup>\*\*</sup>If there are any additional Drawings not included in this list, the file naming convention will be as follow: Use the first letter of the DISCIPLINE follow it by a DIGIT number, and a SEQUENCE number. See Table 1 for reference.

#### **DISCIPLINES**

**Disciplines:** 

X

Z

The discipline designator helps to identify the type of work that is included on the sheets. Since sheets are distributed to the different sub-contractors in the field, it is helpful for the drawings to be organized by discipline:

	=1:1 ol : 1:1
TI	Title Sheet and Index
G	General
D	Demo
Α	Architectural
L	Landscape
F	Fire
S	Structural
M	Mechanical
E	Electrical
Р	Plumbing
C	Civil
<b>ENV</b>	Environmental
HE	Health Equipment
KE	Kitchen Equipment
FS	Fire Suppression
UFL	Underground Fire lines UFL
Н	<b>Hazardous Materials</b>
Т	Telecommunications
V	Survey Mapping
0	Operations
R	Refrigeration
RE	Resource / Existing Conditions
U	Utilities

**Other Disciplines** 

**Shop Drawings** 

#### **DIGIT**

Use the digit that follows from Table 1. If there is no digit number, then use a sequence number

Example: P1.5 PLUMBING DIAGRAM AND SCHEDULES

the next digit number will be P2.0

#### **SEQUENCE NUMBER**

The final component of the sheet number is the sequence number, which is between 1 and 99.

Example: P1.5 PLUMBING DIAGRAM AND SCHEDULES

the next sequence number will be P1.6

#### C8.1 WATER METER ADDRESS TABLE PER BUILDING (see sample Table 2)

Table 2
WATER METER ADDRESS TABLE PER BUILDING
1413 Houston St. Building 1, Suite 1
1413 Houston St. Building 1, Suite 2
1413 Houston St. Building 1, Suite 2
1413 Houston St. Building 1, Suite 3
1413 Houston St. Building 2, Suite 1
1413 Houston St. Building 2, Suite 2
1413 Houston St. Building 2, Suite 3
** Water meter box shall have a metal tag with the description of the address, building and suite

#### **Fire Reference**

 2012 International Fire Code https://www.nfpa.org, https://codes.iccsafe.org M

#### **Building Reference**

Building Codes

https://www.cityoflaredo.com/Building/building-permit-sources.html#buildingcodes www.iccsafe.org

• To pay online

https://www.cityoflaredo.com/building/images/files/isi-click-2-gov.pdf

• NEZ:

https://www.cityoflaredo.com/Building/nez-information.html

• Land Development Code

https://www.cityoflaredo.com/Planning/assets/ldcb---2018 march 2.pdf

• Open Data GIS Portal

https://maps.openlaredo.com/search?tags=CADASTRAL

• Permit Applications

https://www.cityoflaredo.com/Building/permit-applications-requirements.html

• Building, MEP, ADA and Energy Plan review requirements:

https://www.cityoflaredo.com/Building/images/permits/plan review services.pdf

#### **Site and Public Improvements Reference**

- Planning Dates and Deadlines
   https://www.cityoflaredo.com/Planning/commission-and-boards-meeting-dates-and-deadlines.html
- Land Development Code
   (https://www.cityoflaredo.com/Planning/assets/ldcb---2018%2c-march-2.pdf)
- Subdivision Ordinance
   (https://www.cityoflaredo.com/Planning/assets/subdivision-ordinance---2016%2c-july-6.pdf)
- Comprehensive Plan
   (https://www.cityoflaredo.com/Planning/assets/viva-laredo---city-of-laredo-comprehensive-plan.pdf)
- Standard Specification Manual (https://www.cityoflaredo.com/engineering/assets/standard\_technical\_specifications\_manual.pdf)
- Code of Ordinances
   (https://library.municode.com/tx/laredo/codes/code of ordinances)

- Stormwater Management Ordinance (https://esd.cityoflaredo.com/ESDWeb/Stormwater%20Mgmt%20Ordinance.pdf)
- Greenspace Ordinance
   (https://esd.cityoflaredo.com/ESDWeb/greenspaceFinal.pdf)
- Stormwater Management Guidance Manual (https://esd.cityoflaredo.com/ESDWeb/swgm1.pdf)
- TCEQ Rules Main Page (https://www.tceq.texas.gov/rules/indxpdf.html)
- Chapter 290: TCEQ Rules and Regulations for Public Water Systems
   (<a href="https://www.tceq.texas.gov/assets/public/legal/rules/rules/pdflib/290d.pdf">https://www.tceq.texas.gov/assets/public/legal/rules/rules/pdflib/290d.pdf</a>)
- Chapter 317: Design Criteria Prior to 2008
   (<a href="https://www.tceq.texas.gov/assets/public/legal/rules/rules/pdflib/317.pdf">https://www.tceq.texas.gov/assets/public/legal/rules/rules/pdflib/317.pdf</a>)C
- Chapter 217: Wastewater Treatment Facility Design Requirements (https://www.tceq.texas.gov/assets/public/legal/rules/rules/pdflib/217b.pdf)
- Code of Ordinance, Utilities Section (https://library.municode.com/tx/laredo/codes/code\_of\_ordinances?nodeId=PTIICOOR\_CH31UT)