

# Pima County Regional Wastewater Reclamation Department (RWRD)



**PIMA COUNTY**

WASTEWATER RECLAMATION



# Introduction and Overview



Lorenzo Hernandez, P.E.  
Development Liaison Unit Manager

# Agenda

- Introduction of Panel
- Topics
  - Capacity Requests
  - Preliminary Sewer Layout & Sewer Records
  - Sewer Improvement Plans
  - Break
  - Sewer Construction Permits
  - PDEQ Review/Approval
  - Sewer Connection Permits
- Questions
- Fill out Survey

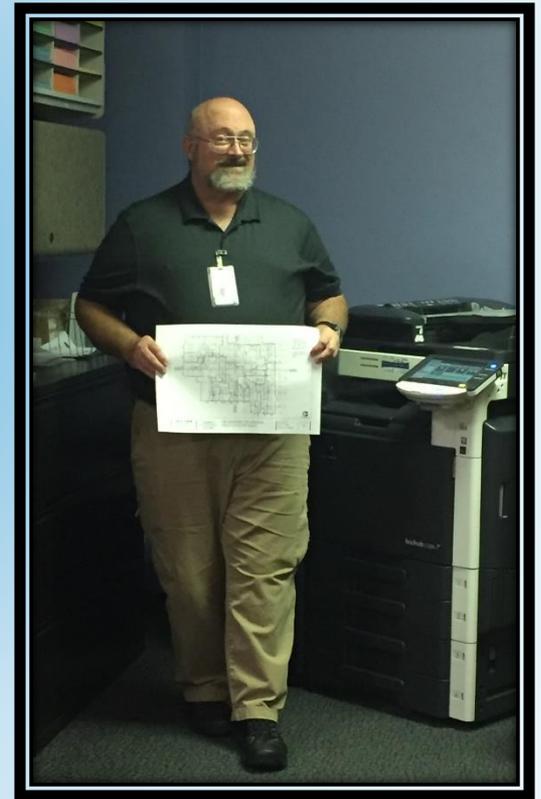
# What's New

- Staff: Four internal promotions and three new hires
- Plan Review with Bluebeam Software
- 2016 RWRD Design Standards, Specifications and Details Formatting Standards (effective date of April 2016)
- Acela Permitting Process
  - July 2015 Accela assumes the role of Permits Plus
  - All County Departments (DSD, RWRD, DOT, DEQ...)
  - City of Tucson hopes to be on board in 1-2 years
  - Interactive (Future)
- Plan review of new Public and Private sewer for Unincorporated Pima County is performed by Pima County Development Services Department. (effective date of April, 2015)



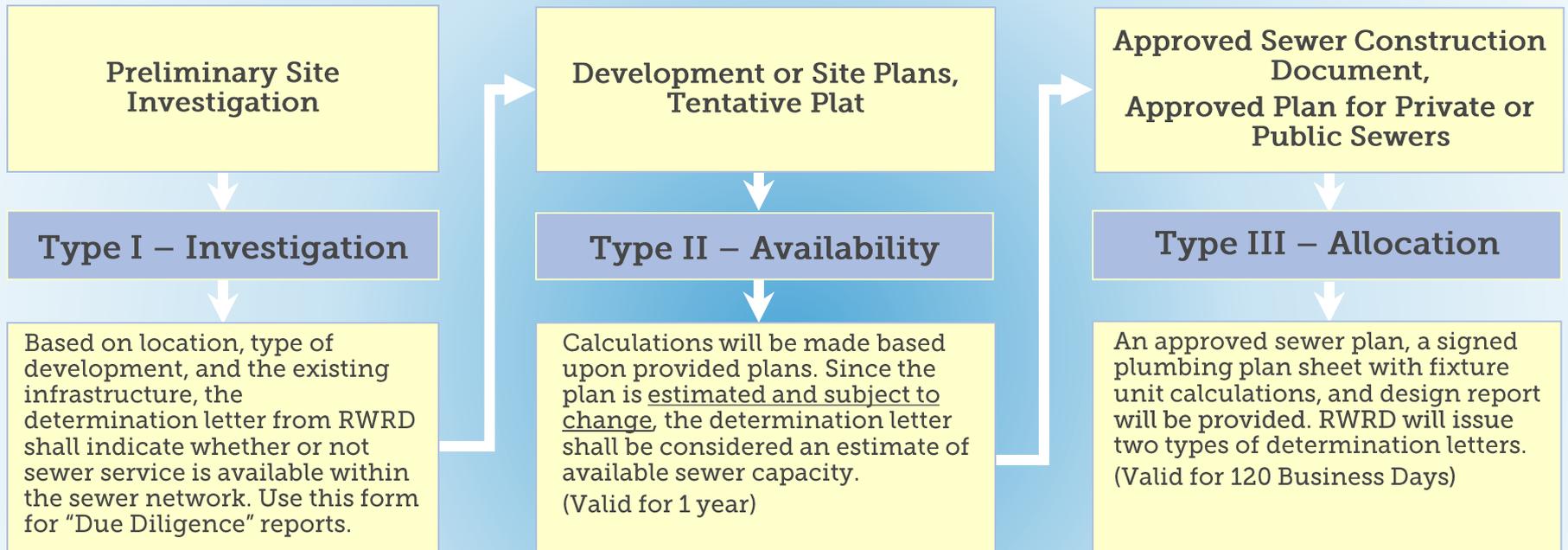
# Sewer Capacity Analysis

Kurt Stemm  
Civil Engineering Assistant, Sr.



# Sewer Capacity Requests

(Pima County Code Title 13.20.026.1 Request for Capacity Analysis)



## Type III Determination Letters are issued in one of the following formats:

1. **SEWER CAPACITY IS NOT CURRENTLY AVAILABLE** – Applicant will be provided with information on future Capital Improvement Program projects which will provide needed capacity or RWRD will specify augmentation projects to be constructed by the Developer that will provide the needed capacity requested.
2. **SEWER CAPACITY IS AVAILABLE** – Applicant will be provided with a letter that will allow PDEQ to move forward in their process to issue the Construction Authorization.

# Sewer Capacity Request Forms

(Pima County Code Title 13.20.026.1 Request for Capacity Analysis)

**Preliminary Site  
Investigation**

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graph TD; A[Preliminary Site Investigation] --> B[Type I - Investigation]; B --> C[Based on location, type of development, and the existing infrastructure, the determination letter from RWRD shall indicate whether or not sewer service is available within the sewer network. Use this form for "Due Diligence" reports.];
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**Type I – Investigation**

Based on location, type of development, and the existing infrastructure, the determination letter from RWRD shall indicate whether or not sewer service is available within the sewer network. Use this form for "Due Diligence" reports.

# Sewer Capacity Request Forms

(Pima County Code Title 13.20.026.1 Request for Capacity Analysis)

**Development or Site  
Plans, Tentative Plat**

**Type II– Availability**

Calculations will be made based upon provided plans. Since the plan is estimated and subject to change, the determination letter shall be considered an estimate of available sewer capacity.

(Valid for 1 year)

# Sewer Capacity Request Forms

(Pima County Code Title 13.20.026.1 Request for Capacity Analysis)

**Approved Sewer  
Construction Document,  
Approved Plan for  
Private or Public Sewers**



**Type III – Allocation**



An approved sewer plan, a signed plumbing plan sheet with fixture unit calculations, and design report will be provided. RWRD will issue two types of determination letters.  
(Valid for 120 Business Days)

# Sewer Capacity Request Forms

- Type III Determination Letters are issued in one of the following formats:
- SEWER CAPACITY IS NOT CURRENTLY AVAILABLE – Applicant will be provided with information on future Capital Improvement Program projects which will provide needed capacity or RWRD will specify augmentation projects to be constructed by the Developer that will provide the needed capacity requested.
- SEWER CAPACITY IS AVAILABLE – Applicant will be provided with a letter that will allow PDEQ to move forward in their process to issue the Construction Authorization.

All instructions & forms are available at:

<http://webcms.pima.gov/cms/one.aspx?portalId=169&pageId=57175>

# Preliminary Sewer Layout & Sewer Records



Thomas Porter, P.E.  
Civil Engineer

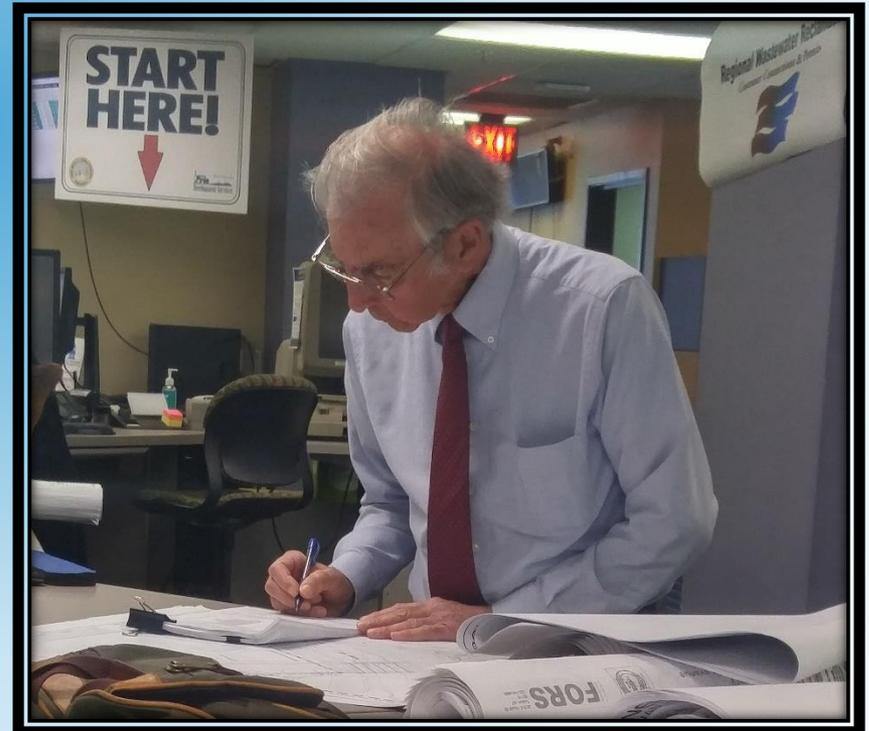
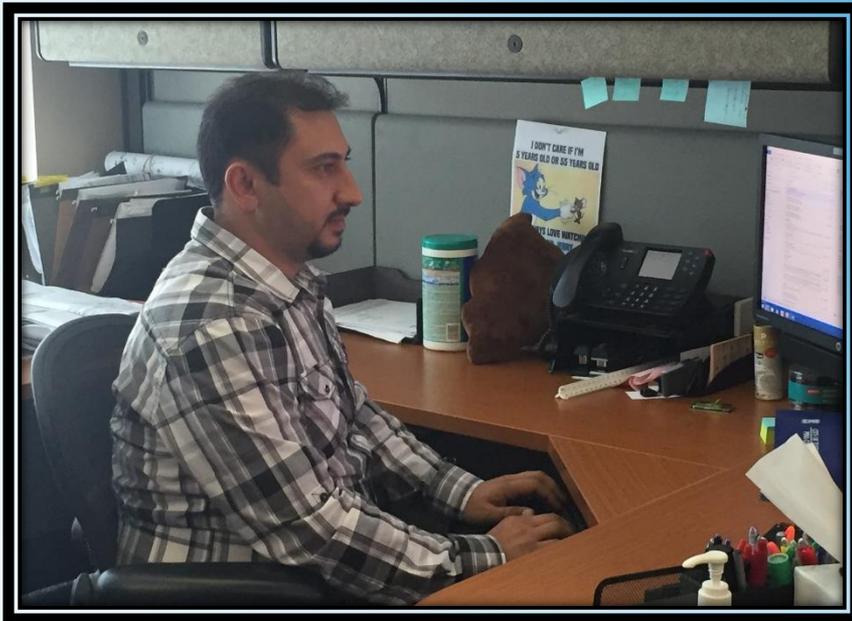


# 1<sup>st</sup> Fl. Public Works Bldg., RWRD

- Sewer Records
  - (520) 724-6602
  - <http://dot.pima.gov/wwm/connfee/verificationform.cfm>
  - Will provide assistance with the location of sewer mains and sewer connection laterals as available
- Building Sewer Connection Permits
- Preliminary Sewer Layout (PSL) Review

# PSL Review Process

## Preliminary Sewer Layout



# Sewer Review of Plans and Plats

Per Pima County Title 13.20.040A all new connections to the public sewer shall be submitted for review and approval to RWRD Development Liaison Unit (DLU). The review process is independent of the jurisdictional review ***with the exception of unincorporated Pima County which is reviewed by Pima County Development Services Department.***

- City of Tucson
- City of South Tucson
- Town of Oro Valley
- Town of Marana (Portions)
- Town of Sahuarita (Portions)
- Pinal (Portions)



INCORPORATED  
AREAS REVIEWED  
BY RWRD

# When is a PSL required?

PSL acceptance is required for any project that will be constructed by a private party to serve any development and either (a) involves new public sewer construction that will be turned over to RWRD for ownership upon completion and acceptance by RWRD, (b) contains an existing public sewer or public sewer easement within the project boundaries, or (c) may require construction of new public sewer within the project boundaries to serve a property upstream of the development. PSL's are accepted by RWRD as authorized by Pima County Code Section 13.20.030 Chapter 13.12.

# Types of PSL's

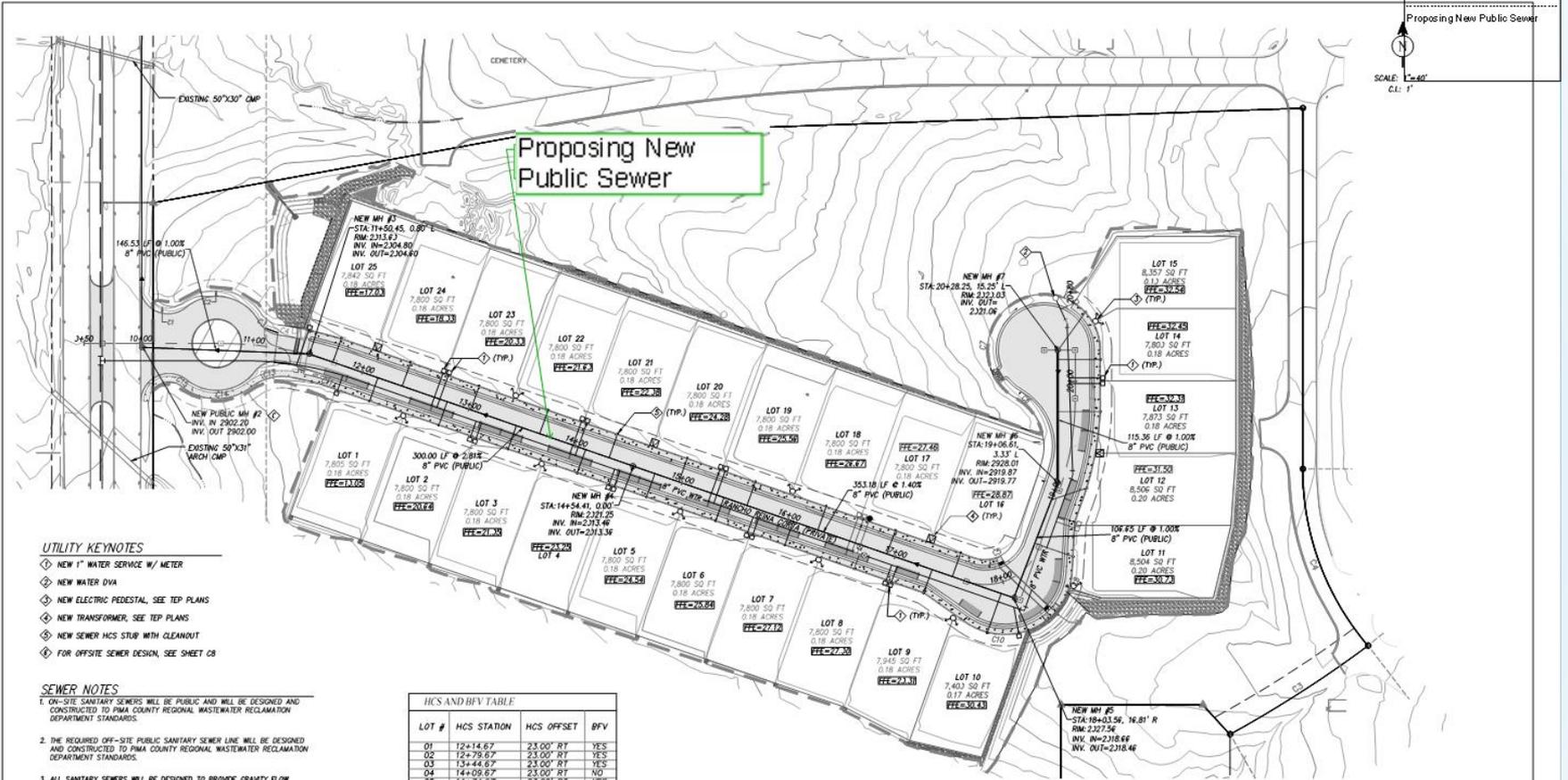
- Tentative/Preliminary Plats
- Development and Site Plans
- PSL Plan (When none of the above plans are required by the jurisdiction)

# Tentative Plat

1712107  
2016-09-16 10:25:00

Proposing New Public Sewer

SCALE: 1"=40'  
C.I.: 1"



### UTILITY KEYNOTES

- ① NEW 1" WATER SERVICE W/ METER
- ② NEW WATER DIVA
- ③ NEW ELECTRIC PEDESTAL, SEE TEP PLANS
- ④ NEW TRANSFORMER, SEE TEP PLANS
- ⑤ NEW SEWER HCS STUB WITH CLEANOUT
- ⑥ FOR OFFSITE SEWER DESIGN, SEE SHEET 08

### SEWER NOTES

1. ON-SITE SANITARY SEWERS WILL BE PUBLIC AND WILL BE DESIGNED AND CONSTRUCTED TO PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT STANDARDS.
2. THE REQUIRED OFF-SITE PUBLIC SANITARY SEWER LINE WILL BE DESIGNED AND CONSTRUCTED TO PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT STANDARDS.
3. ALL SANITARY SEWERS WILL BE DESIGNED TO PROVIDE GRAVITY FLOW.
4. NO PERMITS SHALL BE ISSUED FOR ANY PERMANENT STRUCTURES TO BE BUILT WITHIN THE PUBLIC SEWER EASEMENTS SHOWN HEREON WITHOUT SEPARATE WRITTEN AUTHORIZATION FROM THE PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT.
5. ALL LANDSCAPING WITHIN THE PUBLIC SEWER EASEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH THE PLANTING GUIDELINES CONTAINED WITHIN THE CURRENT ADOPTED REGIONAL WASTEWATER RECLAMATION DEPARTMENT DESIGN STANDARDS.
6. A PROJECT CONSTRUCTION PERMIT MUST BE SECURED FROM PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT BEFORE BEGINNING ANY WORK ON THIS PROJECT.

HCS AND BVV TABLE				
LOT #	HCS STATION	HCS OFFSET	BVV	
01	12+14.67	23.00' RT	YES	
02	12+79.67	23.00' RT	YES	
03	13+44.67	23.00' RT	YES	
04	14+09.67	23.00' RT	NO	
05	14+74.67	23.00' RT	YES	
06	15+39.67	23.00' RT	YES	
07	16+04.67	23.00' RT	YES	
08	16+69.67	23.00' RT	YES	
09	17+35.00	44.00' RT	NO	
10	17+00.16	44.00' RT	NO	
11	18+48.00	32.00' RT	NO	
12	19+08.57	23.00' RT	NO	
13	19+73.75	23.00' RT	NO	
14	20+19.64	23.00' RT	NO	
15	20+85.61	9.30' RT	NO	
16	17+54.00	23.00' LT	NO	
17	16+92.64	23.00' LT	YES	
18	16+27.64	23.00' LT	YES	
19	15+61.24	23.00' LT	YES	
20	14+97.26	23.00' LT	YES	
21	14+31.25	23.00' LT	NO	
22	13+66.57	23.00' LT	YES	
23	13+01.84	23.00' LT	YES	
24	12+37.44	23.00' LT	YES	
25	11+72.40	23.00' LT	YES	

PROJECT ADDRESS  
2355 S AVENUE LOS REYES  
TUCSON, AZ 85748  
TRX PARCEL #138-009-020A

1-800-782-5348  
www.tucson.gov

DEVELOPMENT PACKAGE FUSD APPROVAL

Show Plat Plan

Tentative Plat

Grading

Utility

PUP

DATE: \_\_\_\_\_

Zoning: \_\_\_\_\_

Engineering: \_\_\_\_\_

HCS Site: \_\_\_\_\_

PLM: \_\_\_\_\_

PLWC: \_\_\_\_\_

Revision 2: \_\_\_\_\_

DP## #####

TENTATIVE PLAT PACKAGE FOR  
RAMON RENA SUBDIVISION (A FLEXIBLE LOT DESIGN)  
LOT# 1-25 CA 7, IRVINE STREET, AZ CA 7, 1000 (SAC)

UTILITY PLAN

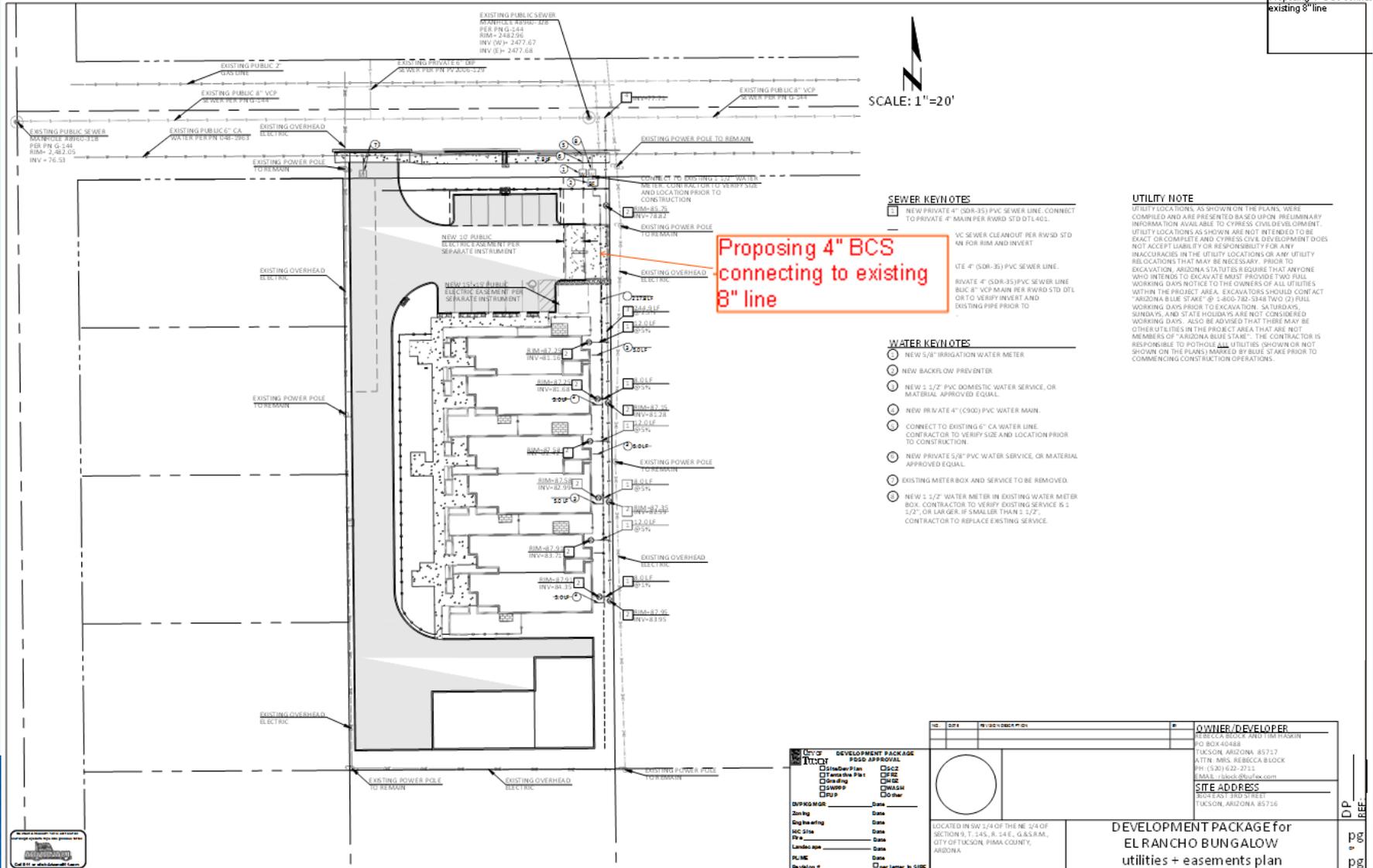
A RESUBDIVISION OF A PORTION  
OF ALL FAITHS MEMORIAL PARK,  
BLOCK 1, 101-106 AND 94-

SECTION 24, T443, RISE, GABSON,  
TUCSON, PIMA COUNTY, AZ

NO.	DATE	REVISION	BY	CHK	APPR



# Development Plan with Private Sewer (no PSL required)



SCALE: 1"=20'

- SEWER KEYNOTES**
- 1 NEW PRIVATE 4" (SDR-35) PVC SEWER LINE, CONNECT TO PRIVATE 4" MAIN PER RWSD STD DTLS
  - 2 VC SEWER CLEANOUT PER RWSD STD AN FOR RIM AND INVERT
  - 3 4" (SDR-35) PVC SEWER LINE
  - 4 PRIVATE 4" (SDR-35) PVC SEWER LINE BUC 8" VCP MAIN PER RWSD STD DTLS OR TO VERIFY INVERT AND DASTING PIPE PRIOR TO

**UTILITY NOTE**

UTILITY LOCATIONS AS SHOWN ON THE PLANS, WERE COMPILED AND ARE PRESENTED BASED UPON PRELIMINARY INFORMATION AVAILABLE TO CYPRESS CIVIL DEVELOPMENT. UTILITY LOCATIONS AS SHOWN ARE NOT INTENDED TO BE EXACT OR COMPLETE AND CYPRESS CIVIL DEVELOPMENT DOES NOT ACCEPT LIABILITY OR RESPONSIBILITY FOR ANY INACCURACIES IN THE UTILITY LOCATIONS OR ANY UTILITY RELOCATIONS THAT MAY BE NECESSARY. PRIOR TO EXCAVATION, ARIZONA STATUTES REQUIRE THAT ANYONE WHO INTENDS TO EXCAVATE MUST PROVIDE TWO FULL WORKING DAYS NOTICE TO THE OWNERS OF ALL UTILITIES WITHIN THE PROJECT AREA. EXCAVATORS SHOULD CONTACT "ARIZONA BLUE STAKE" @ 1-800-782-5348 TWO (2) FULL WORKING DAYS PRIOR TO EXCAVATION. SATURDAYS, SUNDAYS, AND STATE HOLIDAYS ARE NOT CONSIDERED WORKING DAYS. ALSO BE ADVISED THAT THERE MAY BE OTHER UTILITIES IN THE PROJECT AREA THAT ARE NOT MEMBERS OF "ARIZONA BLUE STAKE". THE CONTRACTOR IS RESPONSIBLE TO POT-HOLE ALL UTILITIES SHOWN OR NOT SHOWN ON THE PLANS) MARKED BY BLUE STAKE PRIOR TO COMMENCING CONSTRUCTION OPERATIONS.

- WATER KEYNOTES**
- 1 NEW 5/8" BRILLIATION WATER METER
  - 2 NEW BACKFLOW PREVENTER
  - 3 NEW 1/2" PVC DOMESTIC WATER SERVICE, OR MATERIAL APPROVED EQUAL
  - 4 NEW PRIVATE 4" (C900) PVC WATER MAIN
  - 5 CONNECT TO EXISTING 6" CA WATER LINE. CONTRACTOR TO VERIFY SIZE AND LOCATION PRIOR TO CONSTRUCTION.
  - 6 NEW PRIVATE 5/8" PVC WATER SERVICE, OR MATERIAL APPROVED EQUAL
  - 7 EXISTING METER BOX AND SERVICE TO BE REMOVED.
  - 8 NEW 1/2" WATER METER IN EXISTING WATER METER BOX. CONTRACTOR TO VERIFY EXISTING SERVICE IS 1/2" OR LARGER. IF SMALLER THAN 1/2", CONTRACTOR TO REPLACE EXISTING SERVICE.

Proposing 4" BCS connecting to existing 8" line

**DEVELOPMENT PACKAGE**

**City of Tucson**

<input type="checkbox"/> Site/Draw Plan	<input type="checkbox"/> CSD2
<input type="checkbox"/> Technical Plat	<input type="checkbox"/> CSD3
<input type="checkbox"/> Grading	<input type="checkbox"/> CSD4
<input type="checkbox"/> SWPPP	<input type="checkbox"/> CSD5
<input type="checkbox"/> Other	<input type="checkbox"/> Other

DVP# MGR \_\_\_\_\_ Date \_\_\_\_\_

Designing \_\_\_\_\_ Date \_\_\_\_\_

CC Site \_\_\_\_\_ Date \_\_\_\_\_

PP \_\_\_\_\_ Date \_\_\_\_\_

Landscap \_\_\_\_\_ Date \_\_\_\_\_

PLN/C \_\_\_\_\_ Date \_\_\_\_\_

Revision # \_\_\_\_\_ per format in SDC

NO.	DATE	REVISIONS/DESCRIPTION	BY
<p><b>OWNER/DEVELOPER</b></p> <p>EL RANCHO BUNGALOW</p> <p>PO BOX 40488</p> <p>TUCSON, ARIZONA 85717</p> <p>ATTN: MRS. REBECCA BLACK</p> <p>PH: (520) 622-2713</p> <p>EMAIL: rblack@elrancho.com</p>			<p><b>SITE ADDRESS</b></p> <p>SECTION 18-01-01-001</p> <p>TUCSON, ARIZONA 85716</p>
<p>LOCATED IN SW 1/4 OF THE NE 1/4 OF SECTION 17, T. 45, R. 14 E., G. 4, S. 14 M., CITY OF TUCSON, PIMA COUNTY, ARIZONA</p>			
<p><b>DEVELOPMENT PACKAGE for</b></p> <p><b>EL RANCHO BUNGALOW</b></p> <p><b>utilities + easements plan</b></p>			<p>D.P. REF.</p> <p>pg.</p>

# Point & Method of Connection (PMOC) Electronic Submittal

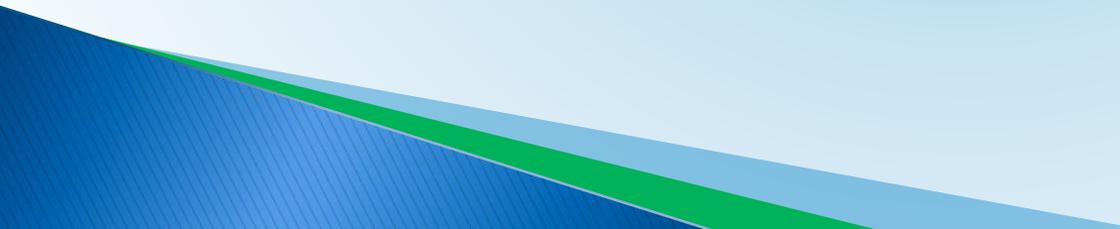
Send Private Sewer Plans electronically to:

[RWRDPSL@pima.gov](mailto:RWRDPSL@pima.gov)

# During the Preliminary Sewer Layout Review, RWRD determines...

- Whether sewer will be public (typically residential) or private (typically commercial)
- *When building offsite sewer-* if project has qualifying offsite sewer (discounts will be given on connection fees)
  - *Qualifying* means sewer MUST have potential benefit to other properties as determined by RWRD
- If larger pipe size is necessary (credits will be given on connection fees)
- If flow-through is required to serve adjacent parcel

# CRITICAL Design Information at Planning Stage

- Horizontal layout including easements
  - Point and method of connection (PMOC) to public sewer- special approval required if 15" line or larger
  - Pipe size and type, slope, length
  - Rim and invert
  - Vertical information at critical drainage crossings
- 

# Sewer Layout Plan Submittal

- Folded Hard Copy delivered or mailed to:

RWRD – Development Liaison Unit  
201 N Stone Avenue, 1<sup>st</sup> Floor  
Tucson, Arizona 85701

- Electronically via e-mail to:

[RWRDPSL@pima.gov](mailto:RWRDPSL@pima.gov)

- Fee: \$166 + \$50 per sheet (1<sup>st</sup> submittal)

\$50 per sheet (2<sup>nd</sup> submittal)

- Checks shall be made out to *Pima County Treasurer*
- On-line payments may be made at <https://permits.pima.gov>

Upon receiving the plans, they are logged in, review fees are invoiced, and plans are sent to the reviewer

# Variance Review and Approval Process

- A Variance may be requested during the sewer layout review process
- PCRWRD understands in some cases, strict compliance with the standards is not possible
- A Variance provides administrative relief from sanitary sewer standards when such relief is justified

# Variance Review and Approval Process

- A Variance may be granted for:
  - Design slopes less than the standard minimum that would eliminate the need for a pump station
  - Substitution for the change of material
  - Existing field conditions (utility conflicts)
  - Emergency situation prohibits strict adherence

# Variance Requests

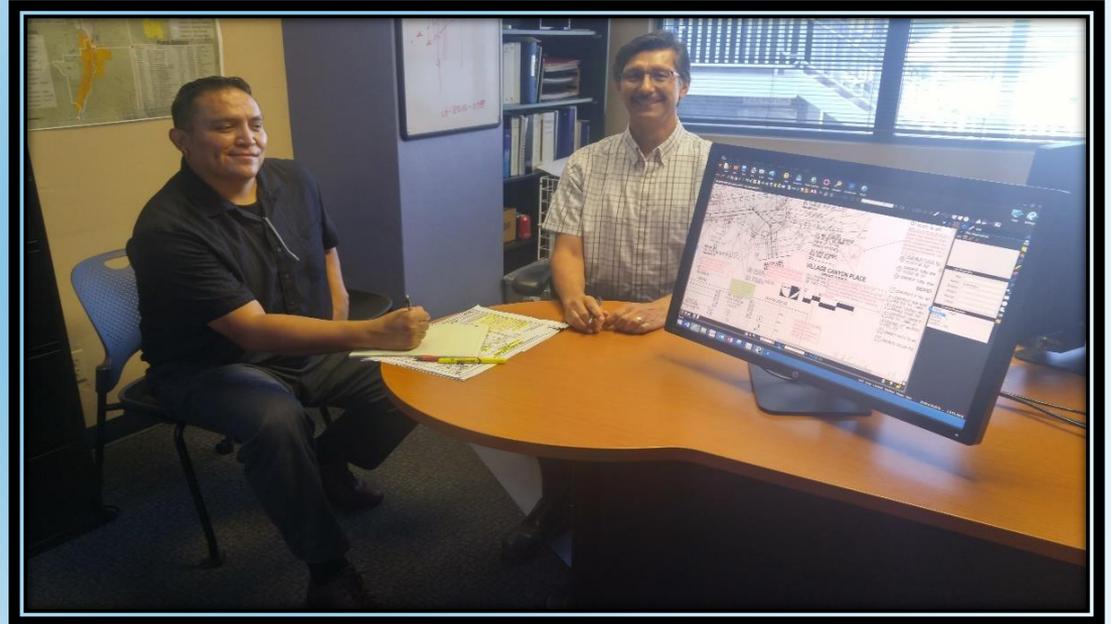
- Must be a written request describing the existing conditions and the proposed changes to justify a variance
- The request is project specific and reviewed on a case-by-case basis
- The request will be reviewed and if approved may include conditions deemed reasonable and necessary to preserve the integrity of the public sewer

# Important Points of the Sewer Layout Review Process

- Meet with DLU staff at the beginning of your project to discuss RWRD system requirements
- All new public sewer must be reviewed via the sewer layout process
- Submit plans directly to 1<sup>st</sup> floor RWRD staff for incorporated areas of Pima County, or directly to PCDSO on the 1<sup>st</sup> floor for Pima County projects



# Sewer Improvement Plans



Francisco Galindo, P.E.  
Civil Engineer

# Sewer Improvement Plans

- Only Public Sewer Improvement Plans are submitted to RWRD Development Liaison Unit (DLU)
- Private Sewer Improvement Plans are submitted to Pima County Department of Environmental Quality (PDEQ)
- Public sewers within unincorporated Pima County are reviewed by Pima County Development Services, 1<sup>st</sup> floor

# Sewer Improvement Plans

- Prepare plans to conform with approved DP, PSL or TP, to comply with RWRD & State Design Standards.
- Plans for review may be submitted as follows;
  - One (1) set of rolled plans,
  - An electronic copy of the plans in Vector PDF format
    - Hard Copy/CD delivered or mailed to:  
RWRD Development Liaison Unit, 1<sup>st</sup> Floor
    - Electronically via e-mail to:  
[RWRDSIP@pima.gov](mailto:RWRDSIP@pima.gov)

NOTE: For detailed instructions, refer to the SIP Checklist or Application Process Notice posted on RWRD's website.

# Sewer Improvement Plans

- Submit plans, fee, and supporting documents to assist in the review of the plans.
  - Fee: \$166 + \$50 per sheet
  - Online payments accepted
- Upon receiving the plans, they are logged in, a plan number assigned and review fees invoiced. Sewer plans and supporting documents are then distributed to reviewers.
- The applicant picks up the corrections (red-lined drawings) on the 3<sup>rd</sup> floor or they may be sent by e-mail in PDF format.

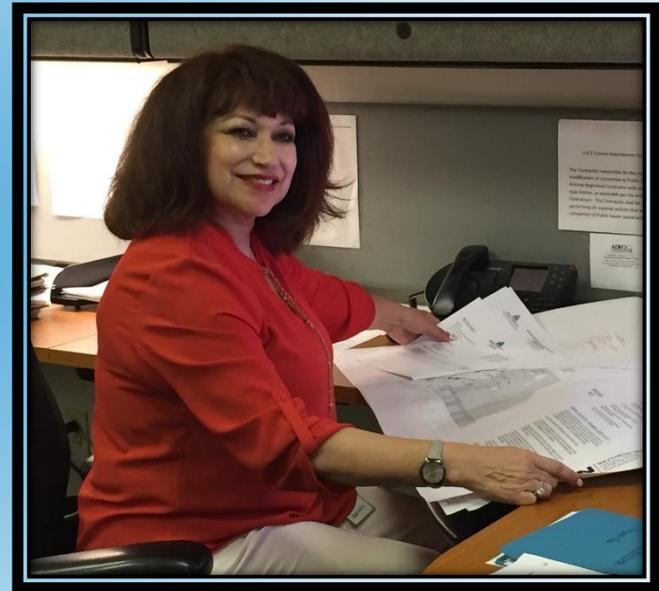
# Sewer Improvement Plans

- Next submittal follows the same process as 1<sup>st</sup> Submittal
  - Fee for 2<sup>nd</sup> Submittal: \$50 per sheet
- Prior to SIP approval, the following items may be required:
  - Final Plat approval by RWRD
  - All public sewer easements must be recorded
  - Variances and special approvals must be issued
  - Sewer Service Agreements (SSA) must be signed before plans can be approved
- If a revision in the approved plan becomes necessary, the revision needs to be resubmitted to Development Liaison Unit for re-approval.

**10 Minute Break**



# Sewer Construction and Permits



# Sewer Construction and Permits

- The Construction Permit Unit is located on the 3<sup>rd</sup> floor of the Public Works Building
- Public Sewer Construction Permits
  - New Public Sanitary Sewers
  - Capital Improvement Projects
  - Existing Sewers Rehab Work
  - Emergency Repairs
  - Small Activity Permits
  - Manhole Access Permits
  - Observation Permits
  - Utility Construction Permits

# New Public Sewer Construction

When applying for a permit, the following is required:

- Permit Application
- PDEQ Construction Authorization (CA)
- Two (2) sets of approved construction drawings
- Current Certificate of Insurance
- Itemized Construction Bid Sheet with all quantities and unit cost completed

# New Public Sewer Construction

- *An itemized Construction Bid Sheet* of sewer work to be performed
  - The permit fee is 2.5% of the sewer construction cost, plus an administrative fee of \$25.00
- Permit expiration date is the same as Pima County Department of Environmental Quality Construction Authorization expiration date
- The checks for permits may be made online or in person by check or credit card. Make checks payable to *Pima County Treasurer*
- Field Engineering requires 72-hour notice before work is to begin

# New Public Sewer Construction

- Construction work is performed under observation of Field Engineering Unit
- Once Field Engineering has accepted the project with an Engineers Certificate of Completion (ECC) and “As-built” plans, the packet is returned to DLU for processing to PDEQ for Discharge Authorization (DA) approval
- Upon issuance of the DA and completion of Post-Paving, RWRD provides the Final Acceptance. This allows for the release of the Sewer Connection Permits.

# Small Activity Permit Process

When a permit is ready to be pulled the following is required:

- The contractor performing the work must submit a signed application
- Two (2) sets of civil drawings or site plans approved by the jurisdiction
- Permit Fee payment may be made online or in person by check or credit card. Make checks payable to *Pima County Treasurer*

# Small Activity Permit Fees

Construction Activity	Fees
House Connection Sewer (HCS) tap to 12" or smaller diameter pipe	\$100
Large sanitary sewer tap (requires special approval)	\$150
Tap to existing manhole	\$150
New manhole over existing sewer (without corrosion protection)	\$200
New manhole over existing sewer (with corrosion protection)	\$300
Manhole Adjustments, Manhole Reconstruction, Manhole Coating, DIP Replacement \$25+ 2.5% of the itemized cost	Fee Based on Type of Work

# Small Activity Permit

- The expiration date is six (6) months from the date the permit is issued
- Sewer construction may not begin prior to Field Engineering Notice to Proceed
- Field Engineering (520)724-2651 requires 72-hour notice before work is to begin

# Access to the Public Sanitary Sewage Conveyance System (Access Permit)

- **Type 1 Access** - Visual only access of the public sanitary sewer system (Physical entry into the public sanitary sewer system is not authorized)
- **Type 2 Access** - Access of the public sanitary sewer system to allow the insertion and/or removal of equipment and/or solid or liquid materials
- **Type 3 Access** - Access and Physical Entry by applicant or applicant's employee into the public sanitary sewer system

# Access to the Public Sanitary Sewage Conveyance System

- Responsible person shall apply for this no cost permit via email or in person
- Required information: Type of work, location, map, date, time, and sewer and manhole identification numbers
- Field Engineering (520) 724-2651 requires 72-hour notice before work is to begin

# Observation Permit

- Observation Permits are required when working in and around the public sewer facilities or easement
- The responsible person shall apply for this no cost permit via email or in person
- Need clearance letter from Utility Coordination Group, (520)724-3169
- Need one (1) location map, type of work, date, time, and sewer and manhole identification numbers

# Utility Projects

When a Construction Permit is needed the following is required:

- A completed application
- Letter of Clearance from Utility Coordination Group
- Two (2) sets of plans

# Utility Projects

- *An itemized Construction Cost Sheet* of sewer work to be performed
  - The permit cost is 2.5% of the sewer construction cost, plus an administration fee of \$25.00
- Permit expiration date is two (2) years from the approved Letter of Clearance
- Permit Fee payment may be made online or in person by check or credit card. Make checks payable to *Pima County Treasurer*

# Utility Projects

- May need Construction Authorization (CA) if requested by Utility Coordination Unit
- Field Engineering (520) 724-2651 requires 72-hour notice before work is to begin

# Pima County Department of Environmental Quality Plan Review



David Amash, P.E.  
Civil Engineering Manager

# 3-Phase Plan for Streamlining Process

- Phase 1: (In effect as of June 2016)
  - Invoicing of fees will be e-mailed
- Phase 2: (In effect as of July 2016)
  - Dedicated E-mail Address for Electronic Submittal of Plans to PDEQ. [PDEQER@PIMA.GOV](mailto:PDEQER@PIMA.GOV)
  - Payment must be received prior to plans being approved by PDEQ.
- Phase 3: (*Under review for implementation, target date of January 2017*)
  - Submit all documents that will be needed by both departments to RWRD
  - RWRD will then forward the necessary information to PDEQ

# Electronic Submittal Requirements for Public/Private Sewer Collection Systems

- Public Sewer plans are to be approved by RWRD
- Private Sewer plans do not require RWRD approval except for RWRD's approval of the Point and Method of Connection (PMOC) to the Public Sewer
- Notice of Intent to Discharge (NOID) application
- Design Report
- A312G request (a copy of letter from RWRD for approval of a variance) if applicable
- RWRD Type III Capacity Allocation Letter

# Sewer Collection Systems: Public/Private Submittal Fee Requirements

- \$500 for 50 or less connections
- \$1,000 for 51-300 connections
- \$1,500 for 301 or more connections



# Sewer Collection System Construction Authorization (CA)

- The CA is valid for two (2) years from date issued
- If PDEQ does not receive all verification documents within two (2) years after the CA is issued, the CA will expire and the applicant shall not continue constructing the project or discharge to it
- The applicant shall submit a new Notice of Intent to Discharge (NOID), applicable fee, and other required documents in order to receive a new CA and continue construction of the project

# Discharge Authorization (DA)

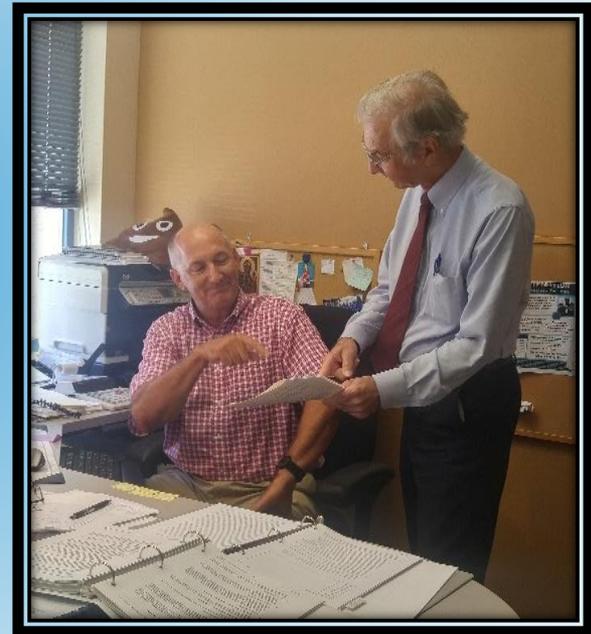
City of Tucson, Town of Sahuarita, Marana, Oro Valley and Private Sewer Projects

- DA is issued by PDEQ
- For RWRD Public Sewer, requests for DA are prepared and submitted by RWRD
- For Private Sewer, requests for DA prepared and submitted by the Engineer of Record for the project. Private Sewer projects will require the submittal of the Operation and Maintenance Certification



# Sewer Connection Permits

Thomas Porter, P.E.  
Civil Engineer



# Sewer Connection Permits

Residential Sewer Connection Permits (assuming  $\frac{5}{8}$ " ,  $\frac{3}{4}$ " or 1" water meter)

## ● New Subdivisions

- Connection to new Public sewer requires Final Acceptance of Public sewer by RWRD
- Working with the Home Builders and Local Jurisdictions on Model Home Sewer Connection Permits prior to RWRD's Final Acceptance of the Public Sewer
- Sewer Connection Permits on Private Sewer requires PDEQ DA and Local Jurisdiction approval

## ● New Residential Sewer Connection Permit to Existing Sewer (custom home)

- Site Plan indicating location of HCS from the home to the Public (or Private) sewer.
- Drawings for the home approved by Local Jurisdictions

# Sewer Connection Permits

## Commercial Sewer Connection Permits

- New Commercial Development
  - Connection to the Public sewer requires Final Acceptance of Public sewer by RWRD
  - Sewer Connection Permits on Private Sewer requires PDEQ DA and Local Jurisdiction approval

# Sewer Connection Permits

- New Commercial Development or Tennant Improvements (TI's) Connecting to Existing Public or Private Sewer
  - Type III Capacity required
  - Site drawings and building plans approved by Local Jurisdiction, indicating PMOC to the existing sewer and size of water meter required
  - TI's that increase the size of the existing water meter are assessed a Sewer Connection Fee based on the new water meter with a credit applied based on the existing water meter
- Industrial Waste Control (IWC) Permits
  - Commercial Development discharging industrial waste (restaurants, hospital, etc.) requires review of plans by RWRD Industrial Waste Control (IWC)

# Sewer Connection Fees

<b>Residential Water Meters</b>	
Water Meter Size	Amount
$\frac{5}{8}$ " , $\frac{3}{4}$ " or 1"	\$4,066

<b>Commercial, Industrial, Multi-Family</b>	
Water Meter Size	Amount
$\frac{5}{8}$ " or $\frac{3}{4}$ "	\$4,066
1"	\$8,480
1 ½"	\$27,030
2"	\$69,790
3"	\$162,510
4"	\$363,690

Fees for water meter sizes above 4" will be determined on a case by case basis

# Questions and Answers



# References Used in Review:

- Pima County Development/Tentative Plat Checklist, 2016
- Pima County/ City of Tucson Standard Details for Sanitary Sewer, 2016
- Pima County Preliminary Sewer Layout Requirements, 1984
- Pima County RWRD Engineering Design Standards, Specifications and Details for Construction, and Formatting Standards, 2016
- Pima County Ordinance Title 13. Public Services Division II Sewers, 2005
- Arizona Administrative Code, Title 18, Chapters 5 and 9

## Other References

- ADEQ Title 18 Chapter 9- Water Pollution Control
- 2009 International Plumbing Code/Chapter 7

# References

- Arizona Senate Bill 1598 (implemented 12/31/12)
- House Bill 2443 (in effect on 09/13/13)
- House Bill 2212 (in effect on 07/03/15)
- “Regulatory Bill of Rights” A.R.S. §11-1601 through §11-1610

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