

**Project Area 2S  
Neighborhood Meeting  
June 26, 2013**

Chico Urban Area  
Nitrate Compliance  
Program





Anne Schwab, Councilmember  
City of Chico

# WELCOME



# Agenda

- Nitrate Compliance Program Information
- Project Overview Area 2S (first phase) – Chico Vecino Neighborhood
- Construction Process
- Benefits of Connection
- Sewer Fees & Application Process
- How to Connect to Sewer
- Available Assistance
- Questions



Casey Hatcher  
Program Development Manager  
Butte County Administration

# NITRATE COMPLIANCE PROGRAM



# Nitrate Compliance Program

- 1990 Regional Water Quality Control Board adopts Prohibition Order No. 90-126
  - Prohibits installation of new septic systems after July 1990.
  - Eliminates existing septic systems on lots of less than 1 acre by July 1995.
  - City and County agreed to review Prohibition Order and develop responses and propose alternatives to the State.



# Nitrate Compliance Program

- 2000 Nitrate Compliance Plan Adopted
  - Plan included proposed solutions to nitrate problem as proposed by a technical team and Citizen's Nitrate Advisory Committee.
  - Plan stated 7,800 dwelling units to be connected to City sewer.
  - Today that number is closer to 5,600.



# Nitrate Compliance Program

- 2008 State Revolving Loan Fund
  - City and County create mechanism for property owners to more cost effectively comply with Prohibition Order.
  - City and County worked together to secure financing for the public improvements.
    - Sewer main
    - Sewer laterals to the edge of the property line

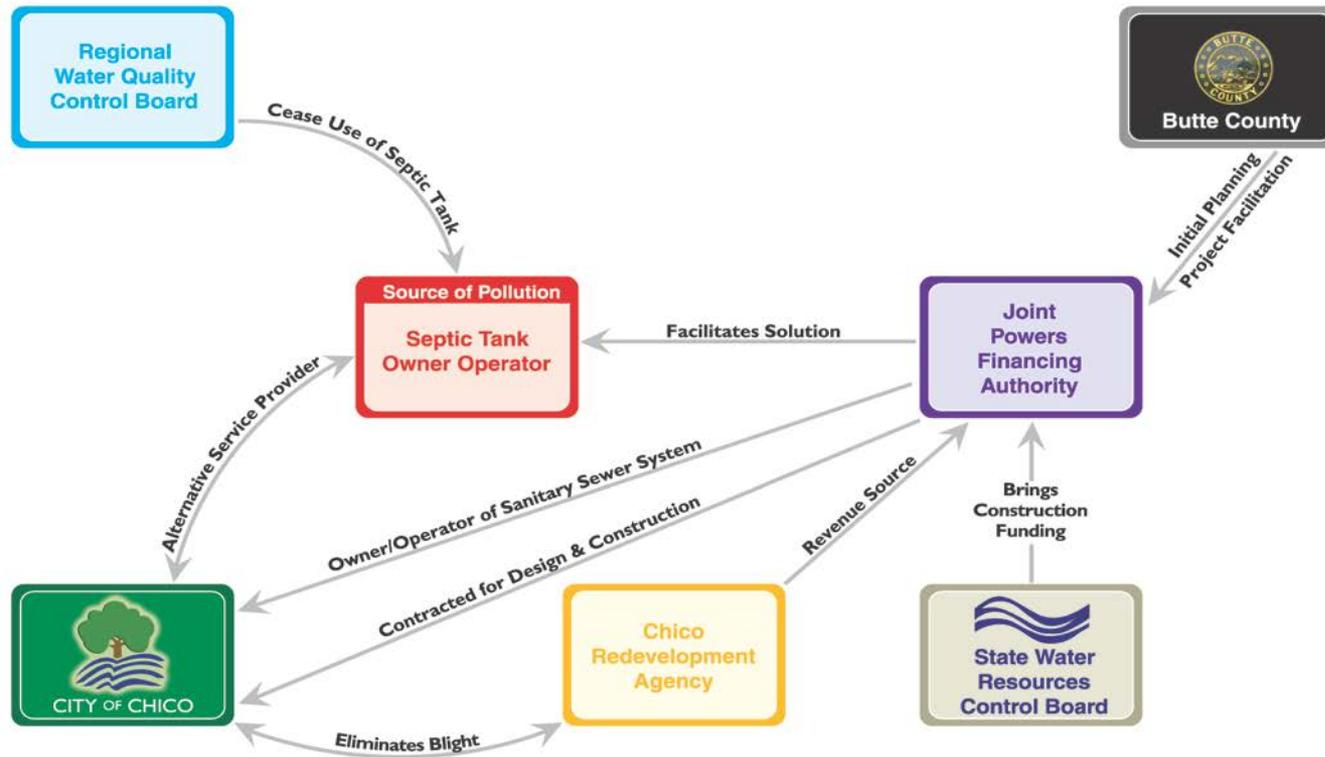


# Nitrate Compliance Program

- **2010 First Phase - Complete**
  - Project Area 1N – Esplanade, Lassen, Cohasset
- **2011/12 Second Phase – Complete**
  - Project Area 1S - Humboldt, Chapman, Mulberry, Pomona
- **2012 Third Phase – Complete**
  - Project Area 2N – Connors White, El Paso, Pillsbury



# Stakeholder Relationships





Tamara Miller, P.E.  
MPM Engineering

# PROJECT OVERVIEW & CONSTRUCTION PROCESS

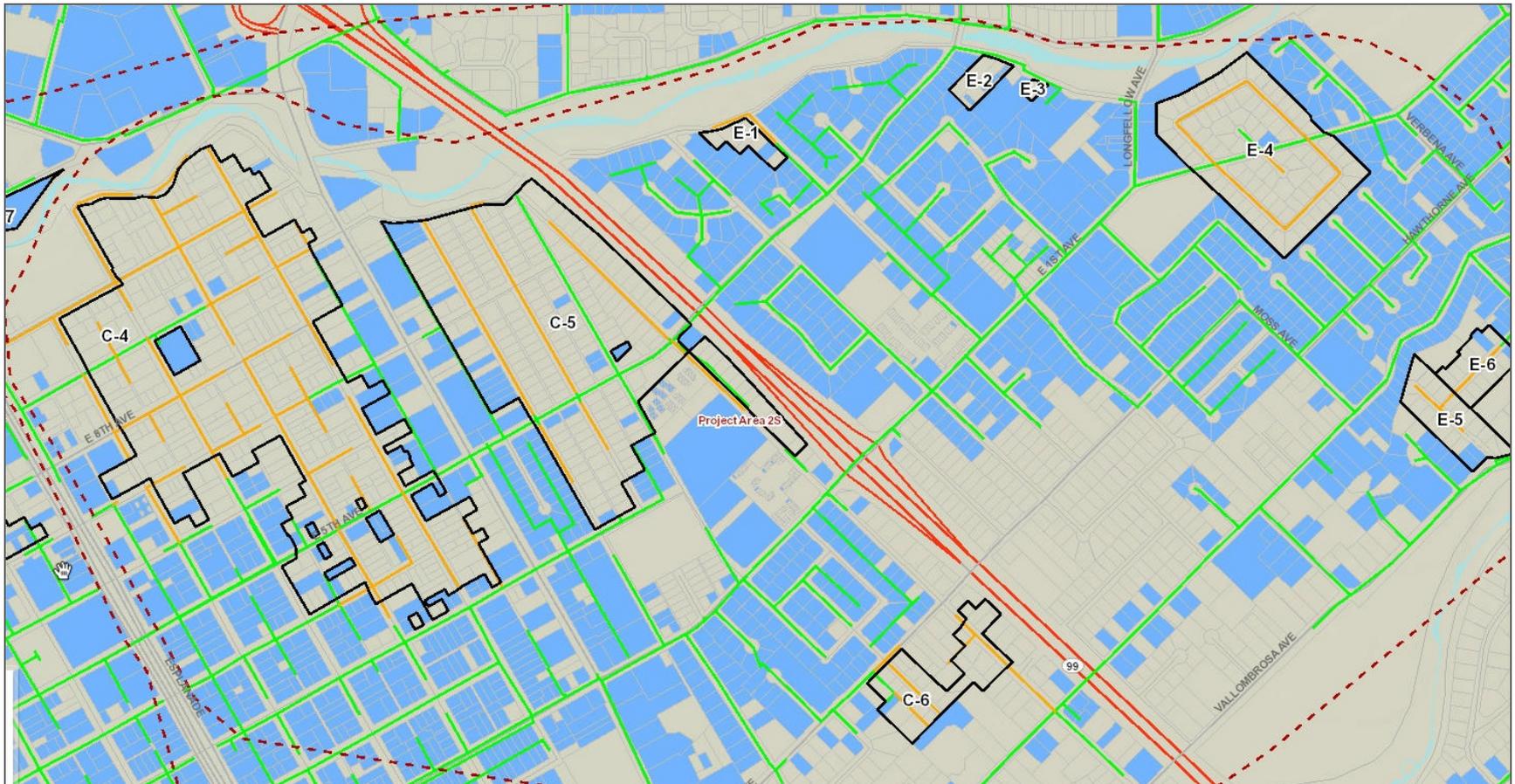


# Project Overview

- Sewer Mains
  - The pipes in front of your property
- Laterals
  - The pipe between the main and your house
- Sewer Trunk Lines
  - The large pipes that carry sewage to the Plant
- Water Pollution Control Plant
  - Located about 8 miles southwest of Chico



# Project Area 2S (first phase)





## Area 2S (first phase)

<b>Improvement</b>	<b>Unit 1</b>	<b>Unit 2</b>
Sewer Pipe (LF)	9,470	7,482
Laterals (each)	191	195
Manholes (each)	43	42



# Timeline

- Area 2S (first phase)
  - Estimated Start Date:
    - Summer 2013
  - Estimated Completion Date:
    - Spring 2014
- Dates subject to variation



## What's Included

- Sewer mains
- Sewer laterals within public right-of-way
- Manholes
- Repair of trench including replacement of curb, gutter and sidewalks to match pre-existing conditions

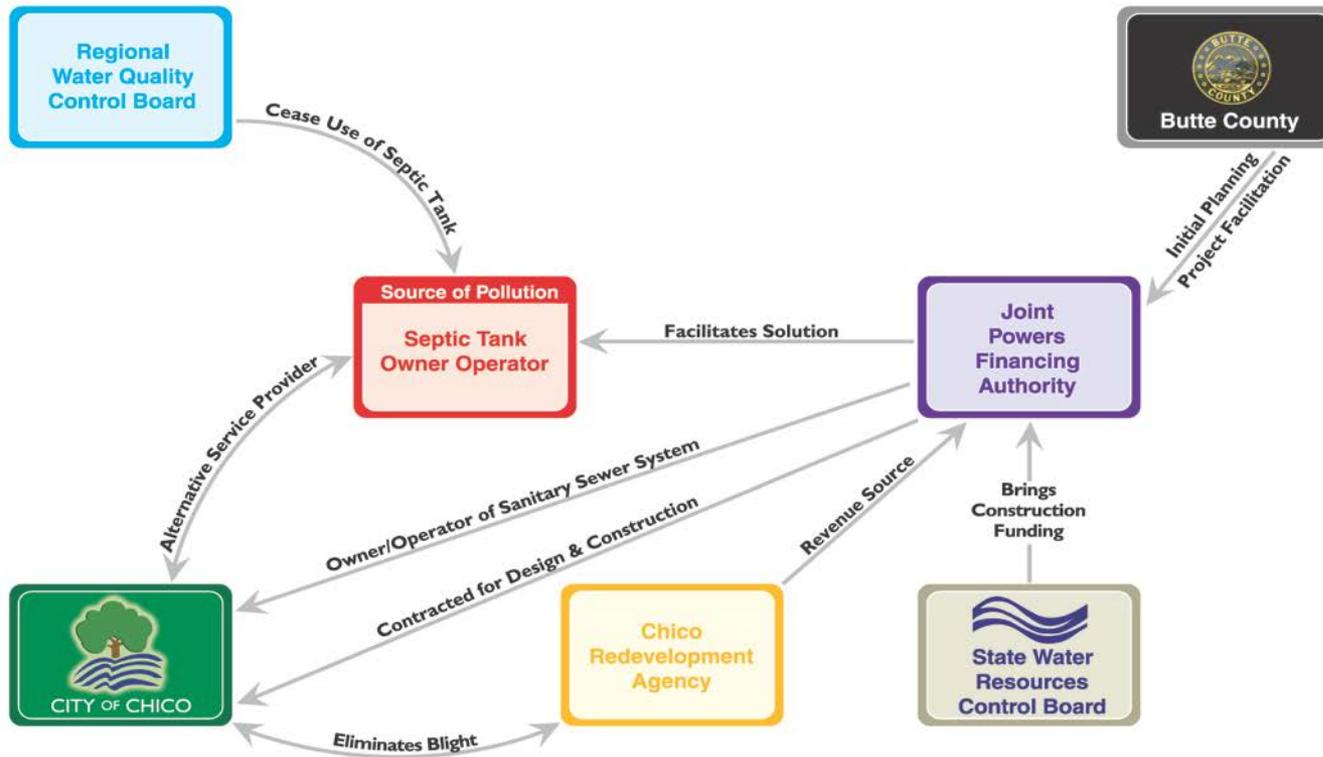


# What's Not Included

- Storm drains and drainage systems
- Road improvements
  - Only repair of backfill trench
- New curb, gutter & sidewalks
  - Only repair to match pre-existing conditions
- Installation of sewer laterals on private property or septic tank decommissioning
  - This is “on-site” work, responsibility of property owner



# Stakeholder Relationships





# Lombard

**Before**



**After**



# Porter

**Before**



**After**



# Spruce

**Before**



**After**



# Construction Process

- Lions, Tigers, and Bears Oh My!  
or
- Laterals, Trenches, and Manholes Oh My!



# Step 1 in Construction: Potholing





## Step 2 in Construction: Trenching





## Step 3 in Construction: Install Pipe





## Step 4 in Construction: Manhole





## Step 5 in Construction: Cold-Patch





## Step 6 in Construction: Install Laterals





## Step 6 in Construction: Install Laterals





## Step 6 in Construction: Install Laterals



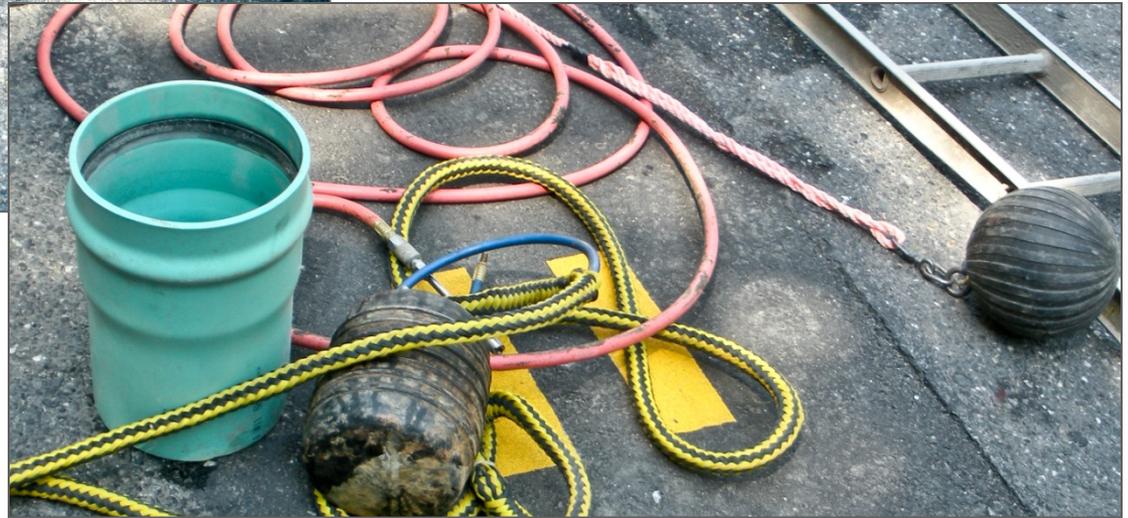


## Step 6 in Construction: Install Laterals





## Step 7 in Construction: Test





## Step 8 in Construction: Hot Mix Paving





## Step 8 in Construction: Hot Mix Paving





## Step 9 in Construction: Manholes to grade





Step 10 in Construction: Striping corrected





And of course... there's conflict





And of course... there's conflict





Matt Thompson

Senior Civil Engineer

City of Chico

Building & Development Services Department

# SEWER FEES & APPLICATION PROCESS



## Typical Sewer Fees

Lateral	\$29.81/ft.
Main Line	\$47.80/ft.
WPCP	\$2,251/unit
Trunk Line	\$1,693/unit

## Project Area 2S Fees

Lateral	\$0/ft.
Main Line	\$0/ft.
WPCP	\$0/unit
Trunk Line	\$1,693/unit

**Approximate Fee Savings for Property Owners within  
Nitrate Compliance Program Boundaries:**

**\$5,600**



# Sewer Application Process

- **Submit a Sewer Application**
  - Application is only one page
  - Application fee is \$100.00
- You will receive a letter from the City indicating connection fees and the steps to sewer connection.



# Payment of Sewer Fees

- Pay at issuance of Plumbing Permit, or
- In-lieu payment
  - In-lieu process allows fee to be paid over ten year period.
  - Application for in-lieu is \$352. (fee can be financed)
  - A recent title report or lot book guarantee is required. Title companies do charge for these documents.



# Permits Required

Permit	Issuing Agency	Fee
Plumbing Permit	City of Chico	\$131
Septic Abandonment	Butte County	\$117



Tamara Miller, P.E.  
MPM Engineering

# HOW TO CONNECT TO SEWER



# How to Connect to Sewer

After application is completed, the steps for sewer connection include:

- Plumbing Permit
- Hire a Contractor
  - Do I hire a contractor?
- Locate Lateral



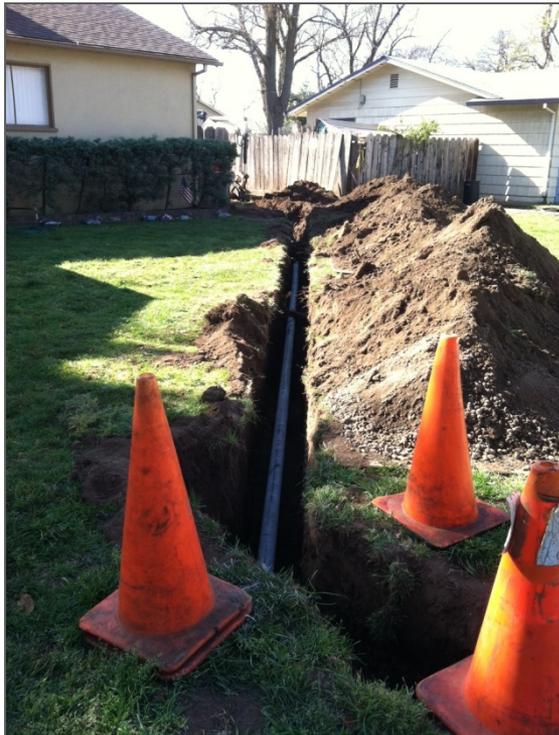
# How to Connect to Sewer

## Steps to sewer connection continued:

- Dig a trench
- Place a pipe and connect
- Inspection
- Fill in the trench
- Empty and crack septic tank
- Final approval



# How to Connect to Sewer





# How to Connect to Sewer

- How much time will the construction take?
  - Estimated time is 2 days.
- What are the costs?
  - Estimated cost for improvements, permits and fees is \$5,000 to \$6,000.



Casey Hatcher  
Program Development Manager  
Butte County Administration

# BENEFITS OF CONNECTION



## Benefits of Connection

- Provides a means for property owners to comply with Prohibition Order.
- Reduces septic tank maintenance issues and costs.
- Increases re-sale value of the home.
- Ability to construct decks, pools, paving, etc.
- Ability to install garbage disposal.



## Benefits of Connection

- Ability to cooperate with your neighbors to hire a single contractor which could lower construction costs and save time.
- Current fee savings for properties identified by the Nitrate Plan of approximately \$5,600.
- Through sewer connections in Project Area 2S (first phase), approximately 1.1 tons of nitrate load will be eliminated.



# AVAILABLE ASSISTANCE



# Available Assistance

- **Reduction in Fees**
  - Current fee savings approximately \$5,600
- **Fees – Assessment in-Lieu**
  - Contact City of Chico 530-879-6950



# Available Assistance

- **City of Chico Housing Rehabilitation**

- Grant provided to qualifying low-moderate income property owners where costs are less than \$10,000.
- Loan provided to qualifying low-moderate income property owners where costs are \$10,000 or more. (payments may be deferred until sale, transfer or rental)
- Loans not available to owners of rental property.
- Eligible improvements:
  - Application, permit and connection fees
  - Sewer lateral construction (including abandonment of septic)



# Available Resources

- Citizens Guide to Sewer Connection
- Bi-annual Newsletters
- [www.NitrateCompliance.org](http://www.NitrateCompliance.org)
- [www.TinyUrl.com/ButteCertifiedPumpers](http://www.TinyUrl.com/ButteCertifiedPumpers)



## City of Chico Contacts

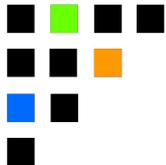


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