

**Project Area 2S  
Neighborhood Meeting  
April 23, 2014**

Chico Urban Area  
Nitrate Compliance  
Program





Scott Gruendl, Mayor  
City of Chico

# WELCOME



# Agenda

- Nitrate Compliance Program Information
- Construction Update
- 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

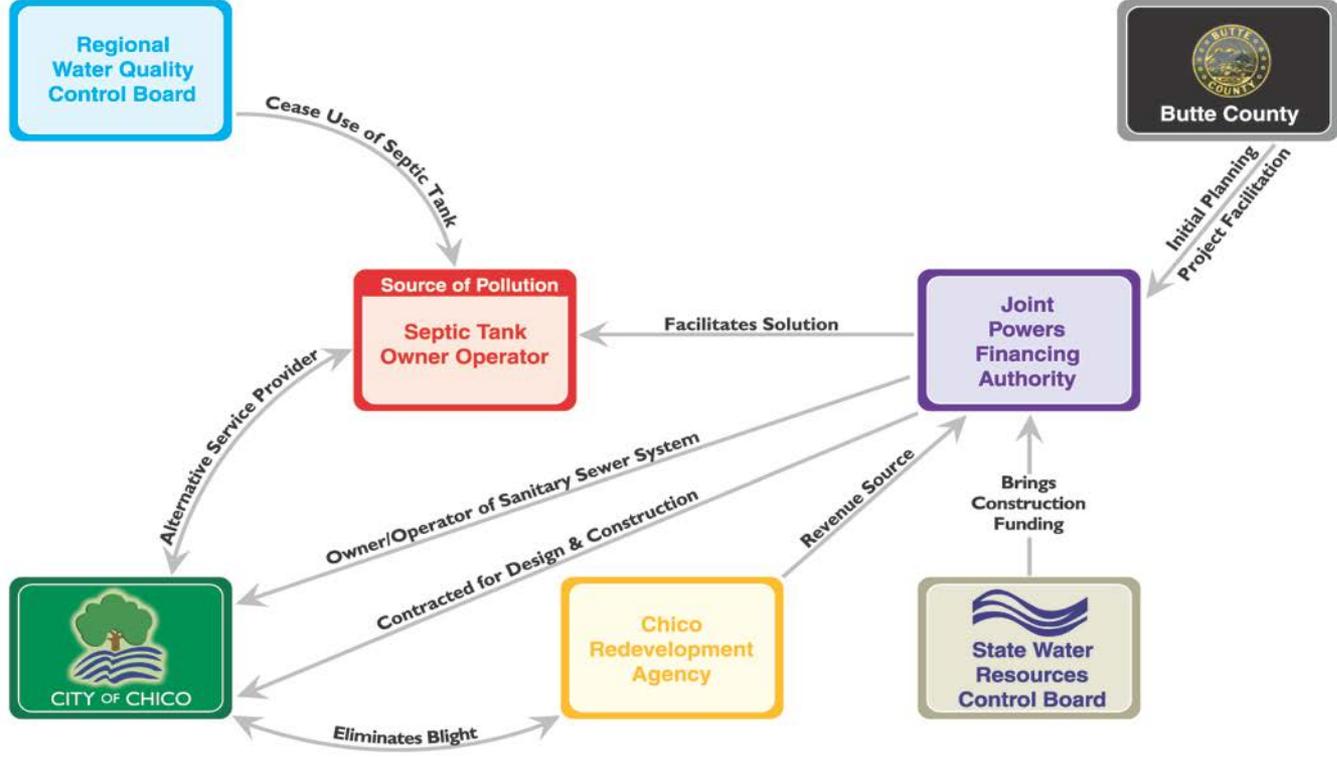


# Nitrate Compliance Program

- **2010 First Phase - Complete**
  - Project Area 1N – Esplanade, Lassen, Cohasset
- **2012 Second Phase – Complete**
  - Project Area 1S - Humboldt, Chapman, Mulberry, Pomona
- **2013 Third Phase – Complete**
  - Project Area 2N – Connors White, El Paso, Pillsbury
- **2014 Fourth Phase – Two Units Complete**
  - Chico Vecino



# Stakeholder Relationships





Tamara Miller, P.E.  
MPM Engineering

# CONSTRUCTION UPDATE

PROJECT AREA 2S  
CHICO VECINO NEIGHBORHOOD

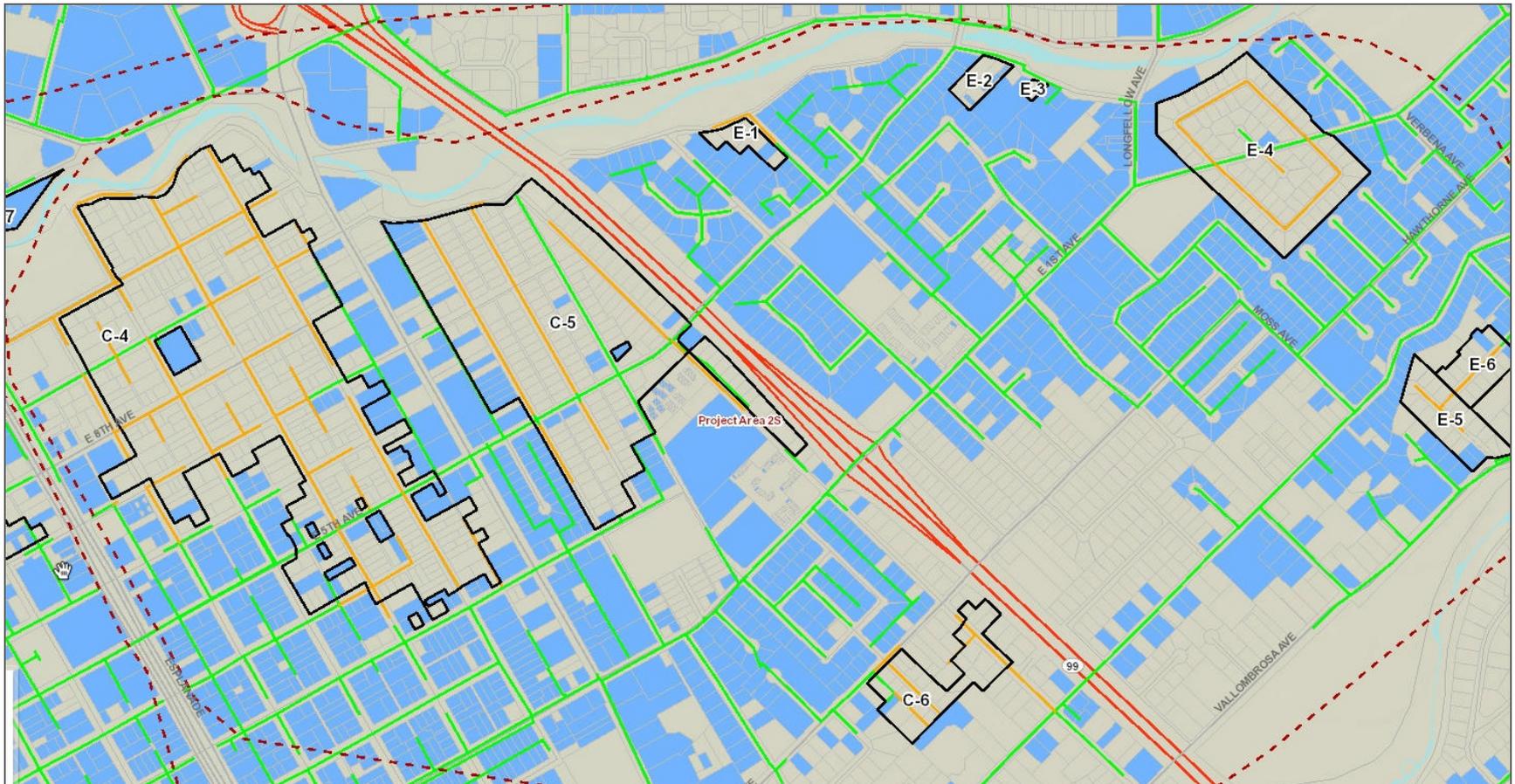


# Project Overview

- 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)





# What Was 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

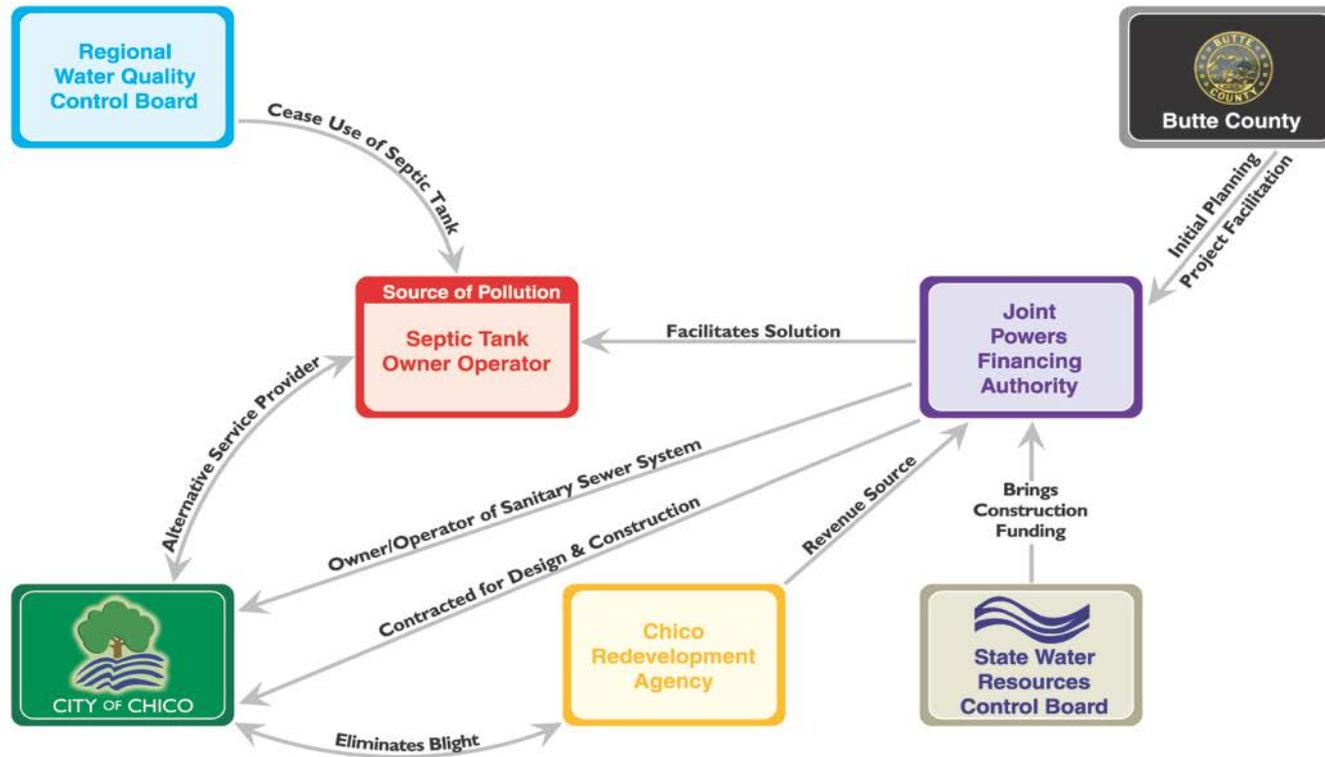


# What Was Not Included

- 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





# 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 2 in Construction: Manhole





## Step 3 in Construction: Install Pipe





## Step 4 in Construction: Cold-Patch





## Step 5 in Construction: Install Laterals





## Step 5 in Construction: Install Laterals





## Step 5 in Construction: Install Laterals



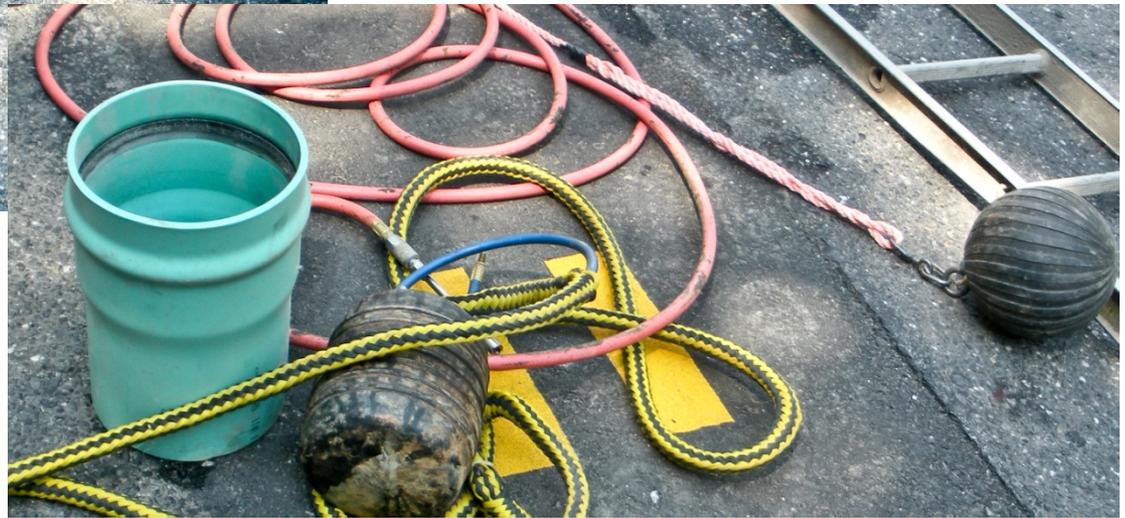


## Step 5 in Construction: Install Laterals





## Step 6 in Construction: Test





## Step 7 in Construction: Hot Mix Paving





## Step 7 in Construction: Hot Mix Paving





## Step 8 in Construction: Manholes to grade





## Step 9 in Construction: Striping corrected





And of course... there's conflict





And of course... there's conflict





And of course ...  
there is ongoing  
clean up





# Unit 1

Contractor:	Visinoni Brothers
Construction Began:	September 3, 2013
Construction Ends:	May 2014
Working Days:	~145
Sewer: ft.	10,177
Laterals:	165
Manholes:	~ 37



## Unit 2

Contractor:	Visinoni Brothers
Construction Began:	August 28, 2013
Construction Ends:	May 2014
Working Days:	~145
Sewer: ft.	8,780
Laterals:	183
Manholes:	~ 23



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 \$364. (fee can be financed)
  - A recent title report or lot book guarantee is required. Title companies do charge for these documents.



## Proposed Fee Increases

COUNCIL WILL VOTE SOMETIME IN THE NEXT COUPLE MONTHS.  
THE INCREASE WILL GO INTO EFFECT 120 DAYS LATER.

Fee Title	Current Fee	Actual Full Cost	First Year	Second Year	Third Year (90%)
Sewer App (City)	\$100	\$276.49	\$174.42	\$211.63	\$248.84
Sewer App (County)	\$100	\$310.56	\$189.80	\$234.70	\$279.59
Assessment in Lieu	\$364	\$972.56	\$619.56	\$747.48	\$875.30



# Permits Required

Permit	Issuing Agency	Fee
Plumbing Permit	City of Chico	\$137
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



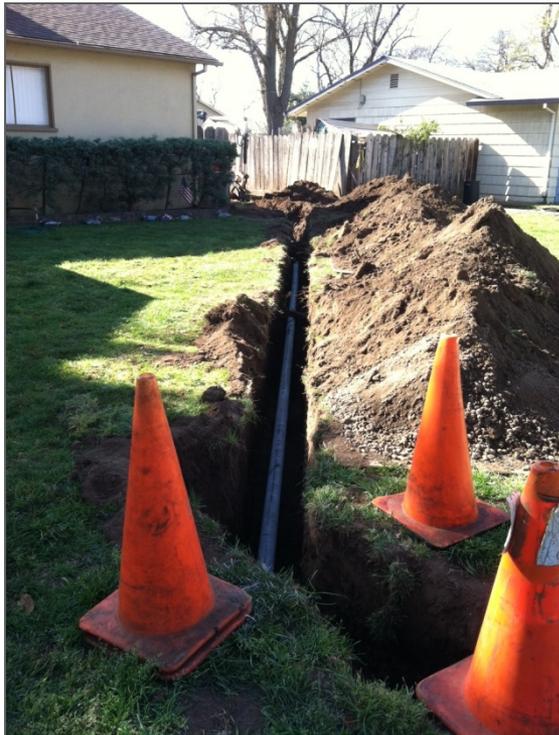
# How to Connect to Sewer

## 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**

- Nitrate Compliance Program**

- Grant provided to qualifying low-moderate income property owners where costs are less than \$10,000.
    - Home must be owner-occupied
    - Eligible improvements:
      - Application, permit, and connection fees
      - Sewer lateral construction (including abandonment of septic)
  - Call 879-6300 to be added to the interest list after July 1, 2014



# Available Resources

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



## City of Chico Contacts

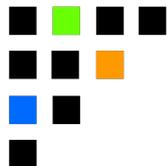


Ruben Martinez  
Public Works Director  
City of Chico  
(530) 879.6901  
rmartinez@ci.chico.ca.us



Matt Thompson  
Senior Civil Engineer  
City of Chico  
(530) 879-6959  
mthomps@ci.chico.ca.us

## MPM Engineering Contact



Tamara Miller, P.E.  
MPM Engineering  
(530) 892-1795  
tamaramiller@mpmengineering.net

## Butte County Contacts



Casey Hatcher  
Program Development Manager  
Butte County Administration  
(530) 538-6182  
chatcher@buttecounty.net



Jennifer Macarthy  
Economic and Community  
Development Manager  
Butte County Administration  
(530) 538-2554  
jmacarthy@buttecounty.net



Kristen McKillop  
Program Development Manager  
Butte County Environmental Health  
(530) 538-7283  
kmckillop@buttecounty.net