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

- **Regional Water Quality Control Board**
  - Cease Use of Septic Tank
- **Source of Pollution**
  - Septic Tank Owner Operator
  - Facilitates Solution
- **Joint Powers Financing Authority**
  - Brings Construction Funding
- **Butte County**
  - Initial Planning, Project Facilitation
- **State Water Resources Control Board**
  - Revenue Source
  - Contracted for Design & Construction
- **Chico Redevelopment Agency**
  - Eliminates Blight
  - Alternative Service Provider

**CITY of CHICO**
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)

<table>
<thead>
<tr>
<th>Improvement</th>
<th>Unit 1</th>
<th>Unit 2</th>
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<tbody>
<tr>
<td>Sewer Pipe (LF)</td>
<td>9,470</td>
<td>7,482</td>
</tr>
<tr>
<td>Laterals (each)</td>
<td>191</td>
<td>195</td>
</tr>
<tr>
<td>Manholes (each)</td>
<td>43</td>
<td>42</td>
</tr>
</tbody>
</table>
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

- Regional Water Quality Control Board
  - Cease Use of Septic Tank
  - Source of Pollution
    - Septic Tank Owner Operator
      - Alternatives Service Provider
      - Owner/Operator of Sanitary Sewer System
      - Contributes to Design & Construction
  - Facilitates Solution
- Joint Powers Financing Authority
  - Brings Construction Funding
- Butte County
- Initial Planning, Project Facilitation
- State Water Resources Control Board
- City of Chico
  - Eliminates Blight
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 | Project Area 2S Fees
--- | ---
Lateral | $29.81/ft. | Lateral | $0/ft.
Main Line | $47.80/ft. | Main Line | $0/ft.
WPCP | $2,251/unit | WPCP | $0/unit
Trunk Line | $1,693/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

<table>
<thead>
<tr>
<th>Permit</th>
<th>Issuing Agency</th>
<th>Fee</th>
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</thead>
<tbody>
<tr>
<td>Plumbing Permit</td>
<td>City of Chico</td>
<td>$131</td>
</tr>
<tr>
<td>Septic Abandonment</td>
<td>Butte County</td>
<td>$117</td>
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</table>
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
- www.TinyUrl.com/ButteCertifiedPumpers
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