Project Area 2N
Neighborhood Meeting
June 13, 2012

Chico Urban Area Nitrate Compliance Program
Mayor Schwab
City of Chico

WELCOME
Agenda

• Nitrate Compliance Program Information
• Overview of Project Area 2N – East Avenue - Cohasset
• 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 – In progress
  – Project Area 2N – Connors White, El Paso, Pillsbury
Stakeholder Relationships
Tamara Miller, P.E.
MPM Engineering

OVERVIEW OF PROJECT & CONSTRUCTION PROCESS
Overview of Project

• **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
Overview of Project – Area 2N

<table>
<thead>
<tr>
<th></th>
<th>Conners – White</th>
<th>El Paso</th>
<th>Pillsbury</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sewer Pipe (LF)</td>
<td>9,470</td>
<td>7,482</td>
<td>14,231</td>
</tr>
<tr>
<td>Laterals (each)</td>
<td>206</td>
<td>259</td>
<td>303</td>
</tr>
<tr>
<td>Manholes (each)</td>
<td>43</td>
<td>42</td>
<td>61</td>
</tr>
</tbody>
</table>
Overview of Project – Timeline

- **Estimated Start Date:**
  - Summer 2012

- **Estimated Completion Date:**
  - Spring 2013

- Dates subject to variation
Overview - 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
Overview - 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
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: Trenching
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
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.

(Continued…)}
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 $5,650.

• Through sewer connections in Project Area 2N, approximately 4 tons of nitrate load will be eliminated.
Matt Thompson
Senior Civil Engineer
City of Chico
Building & Development Services Department

SEWER FEES & APPLICATION PROCESS
**Typical Sewer Fees**

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Lateral</td>
<td>$29.81/ft.</td>
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<tr>
<td>Main Line</td>
<td>$47.80/ft.</td>
</tr>
<tr>
<td>WPCP</td>
<td>$2,251/unit</td>
</tr>
<tr>
<td>Trunk Line</td>
<td>$1,693/unit</td>
</tr>
</tbody>
</table>

**Project Area 2N Fees**

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lateral</td>
<td>$0/ft.</td>
</tr>
<tr>
<td>Main Line</td>
<td>$0/ft.</td>
</tr>
<tr>
<td>WPCP</td>
<td>$0/unit</td>
</tr>
<tr>
<td>Trunk Line</td>
<td>$1,693/unit</td>
</tr>
</tbody>
</table>

**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 $338. (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>
</tr>
</tbody>
</table>
Tamara Miller, PE
MPM Engineering

HOW TO CONNECT TO SEWER
How to Connect to Sewer

After application completed, the steps for sewer connection include:

• Plumbing Permit
• Hire a Contractor
• Locate Lateral

(Continued…)

(Continued…)
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

• Do I hire a contractor?

• 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.
Sherry Morgado
Housing & Neighborhood Services Director
City of Chico

AVAILABLE ASSISTANCE
Available Assistance

• **Reduction in Fees**
  – Current fee savings approximately $5,600

• **Fees – Assessment in-Lieu**
  – Contact City of Chico 530-879-6950

(Continued…)
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
QUESTIONS