Project Area 1S
Neighborhood Meeting
November 14, 2011

Chico Urban Area Nitrate Compliance Program
Larry Wahl
Butte County Supervisor, District 2

WELCOME
Agenda

- Nitrate Compliance Program Information
- Construction Update
- Planned County Road Improvements
- Benefits of Connection
- 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

• 2009 First Phase of Public Improvements
  – Project Area 1N – Lassen Avenue Area
    • Esplanade, Lassen, Cohasset

• 2010 Second Phase of Public Improvements
  – Project Area 1S – Chapman/Mulberry Area
    • Humboldt, Chapman, Mulberry, Pomona
CONSTRUCTION UPDATE
PROJECT AREA 1S
CHAPMAN, HUMBOLDT, MULBERRY AND POMONA
Overview – 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
Overview – 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
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 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 5 in Construction: Install Laterals
Step 6 in Construction: Test
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’s conflict
Project Area C-8, Humboldt

Contractor: R&R Horn
Construction Began: June 23, 2011
Construction Ended: October 20, 2011
Working Days: 75
Sewer: 4,518 ft.
Laterals: 148 laterals
Manholes: 24
Construction Area C-9, Chapman

Contractor: Visinoni Brothers

Construction Began: June 7, 2011

Construction Ending: December 9, 2011

Working Days: 120

Sewer: 15,405 ft.

Laterals: 278 laterals

Manholes: 52
Project Areas C-10 and C-11, Mulberry

Contractor: Duke Sherwood Contracting Inc.
Construction Began: July 18, 2011
Construction Ended: October 20, 2011
Working Days: 60
Sewer: 1,769 ft.
Laterals: 102 laterals
Manholes: 9
Project Areas W-9 and W-10, Pomona

Contractor: RJ Heuton Construction
Construction Began: August 30, 2011
Construction Ending: December 6, 2011
Working Days: 60
Sewer: 2,027 ft.
Laterals: 73 laterals
Manholes: 11
Mike Crump
Public Works Director
Butte County

COUNTY ROAD IMPROVEMENTS
Future County Road Improvements

- Cape Seal for all unincorporated roads in the Chapman and Mulberry neighborhoods.
- Road improvements planned for Summer 2012
Cape Seal

- Combination of chip seal followed in a few days by a slurry of microsurfacing.
Cape Seal Application

- Prepare roadway.
- Apply chip seal.
- Chip seal cures (48 hrs.+).
- Apply slurry seal.
Cape Seal Duration

- Lasts longer than chip seal or slurry alone.
- Smoother for pedestrians and bicycles.
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.
• Construction costs potentially lower now due to downturn of the economy.

(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 within project area of approximately $5,650.

• Through sewer connections in Project Area 1S, approximately 2.4 tons of nitrate load will be eliminated.
Matt Thompson
Senior Civil Engineer
City of Chico
Building & Development Services Department

SEWER FEES & APPLICATION PROCESS
<table>
<thead>
<tr>
<th>Service Type</th>
<th>Typical Cost</th>
<th>Project Area 1S Costs</th>
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</thead>
<tbody>
<tr>
<td>Lateral</td>
<td>$29.81/ft.</td>
<td>$0/ft.</td>
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<tr>
<td>Main Line</td>
<td>$47.80/ft.</td>
<td>$0/ft.</td>
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<tr>
<td>WPCP</td>
<td>$2,251/unit</td>
<td>$0/unit</td>
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<tr>
<td>Trunk Line</td>
<td>$1,693/unit</td>
<td>$1,693/unit</td>
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</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 sheet
  – Application fee is $100.00

• Sign LAFCO covenant regarding future annexation (*requirement of interim sewer agreement*).

• You will receive a letter 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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<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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</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…)
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.
Casey Hatcher
Program Development Manager
Butte County Administration

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

• **Butte County Housing Rehabilitation**
  – Loan to qualifying low/moderate income property owners.
    • Typically 3% interest for 15 year term.
    • Qualifying income for a family of 4 currently $46,300 or below.
  – Loans also available to owners of rental property.
    • Must sign agreement to rent to low/moderate income individuals.
  – **Eligible improvements:**
    • Application, permit and connection fees
    • Sewer lateral construction (including abandonment of septic)
    • Other housing rehabilitation improvements
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)
Information and Resources

• Citizens Guide to Sewer Connection
• Quarterly Newsletters
• www.NitrateCompliance.org
THANK YOU
QUESTIONS