



**Papio-Missouri River
Natural Resources District
Public Hearing
on Construction of the Washington County Rural Water System –
Lakeland Connection Project**

**September 8, 2016
7:00 p.m.**

AGENDA

1. Hearing Called to Order – Chairperson John Conley
2. Appointment of Hearing Officer – General Manager, John Winkler
3. Evidence of Proof of Publication of Hearing Notice
4. Explanation of the Purpose of the Hearing – Brent Meyer
5. Identification of Exhibits
6. Explanation the Engineering Report for Construction of the Washington County Rural Water System – Lakeland Connection Project – Zach Nelson
7. Receive Testimony and Statements
8. Reception of Exhibits
9. Hearing Adjournment

Papio-Missouri River Natural Resources District

**Public Hearing on the Preliminary Engineering Report for Construction of the Washington
County Rural Water System – Lakeland Connection Project**

September 8, 2016

Dakota City, Nebraska

STATEMENT OF PURPOSE

The purpose of this hearing is to discuss the Preliminary Engineering Report for construction of the Washington County Rural Water System – Lakeland Connection Project, including any potential impact on existing water rates.

The purpose of the Lakeland Connection Project is to provide a safe, clean and dependable water supply to more than five hundred households in Washington County, Nebraska.

Washington County Rural Water System – Proposed Lakeland Water Main Connection Project Public Hearing

9/8/2016

Outline

- * Scope and Purpose of Project
- * Impacts to Customers
- * Summary



Scope of the Project

- * The PMRNRD has been working with Lakeland Estates Water Company (LEWC) to evaluate extending a Washington County Rural Water Main to serve the community with a single hookup to their current water system
- * Reasons for the project:
 - * Replace Lakeland's wells that are high in iron, with a single rural water connection
 - * Provide higher quality water to 525+ households
 - * Provide a more dependable water source
 - * Provide rural water along the Hwy 133 Corridor

Scope of Project

Lakeland Estates Water Company provides water to the following subdivisions in the blue shaded area:

- Lakeland Estates
- Crest Ridge
- Quail Ridge
- Heidi Hollow
- Country Land
- Eagle View
- Valley View Estates

Red line represents water main extension



WCRW Water Source

- The Washington County Rural Water System Service Area #2 purchases water from the City of Blair
- Water is treated by the City of Blair
(no secondary treatment is required by WCRW)
- WCRW System's water quality report can be found at:
<http://www.papionrd.org/wp-content/uploads/WCRW2015-Water-Quality-Report.pdf>

Project Proposal

- * One physical hookup to the Lakeland Estates Water Company (LEWC) System
- * LEWC will continue to operate its own distribution system on the downstream side of the meter (including maintenance and billing)

Long Term Benefits

The goals of this project:

- * Provide high quality, safe drinking water to residents of Washington County
- * Provide water along the Hwy 133 corridor
- * Provide for a more economical and stable rural water system

Project Costs

Administrative	\$ 10,000
Land and Easements	\$ 1,000
A/E Fees	\$ 12,000
Inspection Fees	\$ 12,800
Construction	\$ 230,000
Washington County Rebate	\$ 181,125
Contingencies	\$ 43,075
TOTAL	\$ 490,000
PROJECT FUNDING SOURCES	
Lakeland Connection Fee	\$ 140,000
DWSRF Loan	\$ 350,000

Project Costs

- * The previous slide provides a breakdown of estimated project costs as identified in the District's SRF Loan application.
- * LEWC will be responsible for paying a connection fee of approximately \$140,000.
- * All additional project costs will be financed by an SRF loan at an interest rate of 2.75% with a 20 year term.

Rate Impacts and Revenue

LEWC will be charged a monthly base fee of \$1,050, plus a commodity rate of \$2.10/ 1,000 gallons

Based on anticipated annual water usage of 55,000,000 gallons, the WCRW water system will receive the following revenue from the Lakeland Connection:

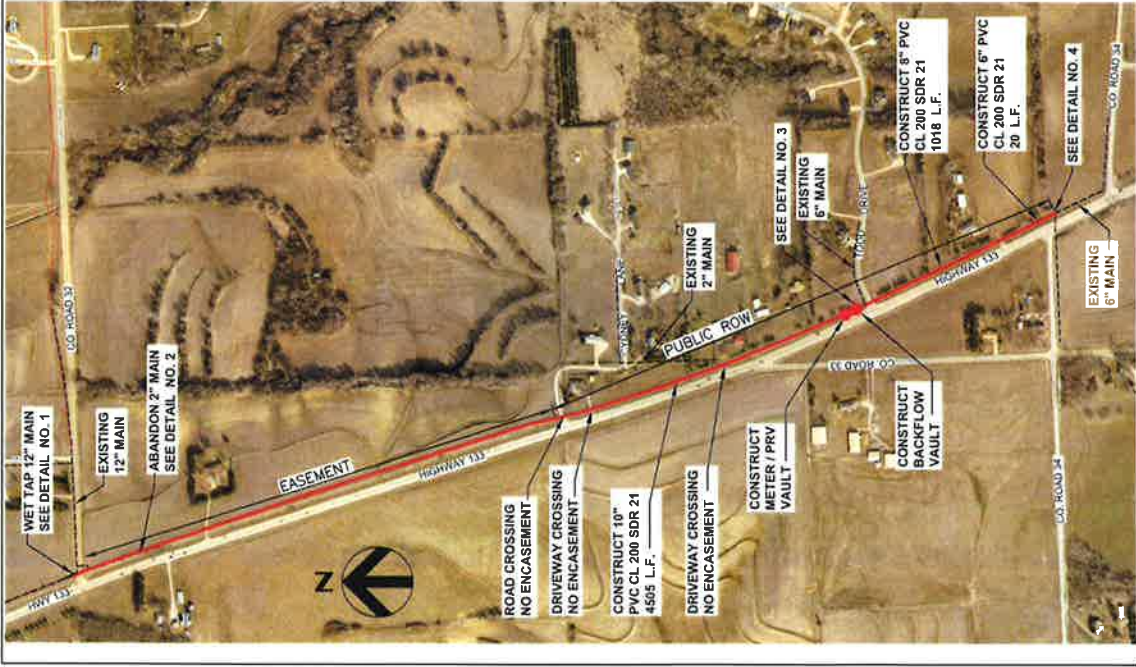
- * Base Fee: \$12,600
- * Water Usage Fees: \$115,500
- * The additional revenue from the project will help keep rates low for existing rural water customers

Rate Impacts and Revenue

- * LEWC will be responsible for adjusting rates for current LEWC customers, since LEWC will be served as wholesale customer only.

- * It is anticipated that LEWC will adjust their customer water rates to:
 - * Base charge: \$12.00
 - * Commodity Charge of \$5.00 per 1,000

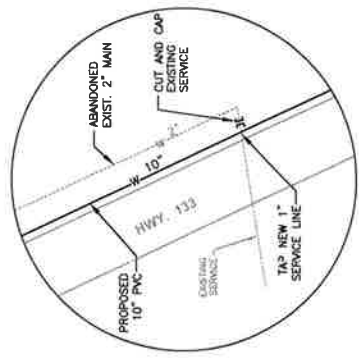
QUESTIONS???????



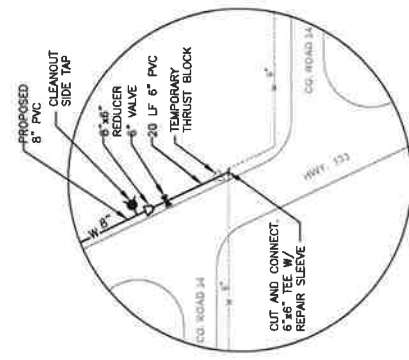
**PROJECT LOCATION
WASHINGTON, NEBRASKA**

CONSTRUCTION NOTES:

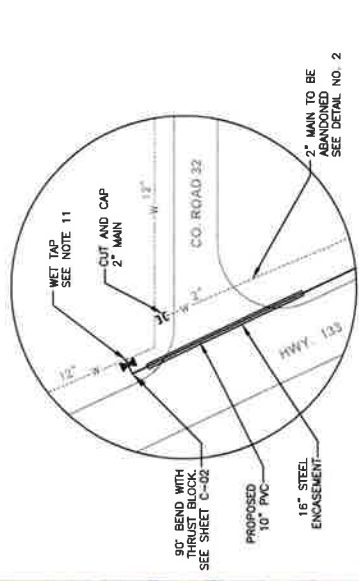
1. P-MINERD OR LAKELAND WATER COMPANY PERSONNEL WILL OPERATE ALL EXISTING VALVES.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES (PUBLIC AND PRIVATE) AT LEAST 48 HOURS IN ADVANCE OF ACTUAL STARTING DATE OF CONSTRUCTION.
3. INSTALL WATER MAIN WITH A MINIMUM OF 5.5 FEET OF COVER.
4. BACKFILL FOR PIPE TRENCHES SHALL BE COMPACT TO A MINIMUM IN-PLACE DENSITY OF 98% OF MAXIMUM DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D 698 (STANDARD PROCTOR) AT A MOISTURE CONTENT FROM 3% BELOW TO 3% ABOVE OPTIMUM.
5. LOCATION WIRE AND WARNING TAPE SHALL BE INSTALLED THE LENGTH OF THE NEW PIPE.
6. DEWATERING CONSIDERED INCIDENTAL TO PROJECT.
7. CONTRACTOR RESPONSIBLE FOR OBTAINING SAMPLES FOR TESTING AFTER DISINFECTION.
8. THE TEST PRESSURE FOR THE SYSTEM IS 100 PSI.
9. CONTRACTOR SHALL COMPLY WITH ALL WASHINGTON COUNTY AND NEBRASKA REQUIREMENTS FOR ROAD PERMIT.
10. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SIGNAGE, WARNING SIGNS, AND FLAGMEN IN ACCORDANCE WITH CURRENT EDITION OF THE FHWA'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
11. CONTRACTOR SHALL COORDINATE WET TAP LOCATION WITH P-MINERD PERSONNEL.



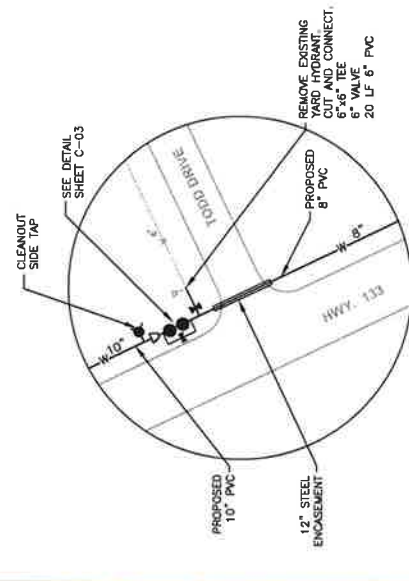
DETAIL NO. 2



DETAIL NO. 4



DETAIL NO. 1



DETAIL NO. 3



**LAKELAND CONNECTION
PROJECT NO. 178922**

WATER MAIN SITE PLAN

DATE 7/17/2016

FIGURE C-01