

## Summary of Project Parts

Date: July 19, 2013

This is a summary of known project parts and the information provided is the Owner's best estimate of cost and lead-time from WO approval for each project. However, there are many factors that influence actual costs and these duration estimates, such as: construction requirements of permitting authorities to secure approvals; unexpected increases in material costs; unexpected increases or changes in labor charges; permitting authorities and required siting approvals; inclement weather and other acts of god; equipment delivery; company and non-company labor scheduling and availability; ability to schedule outages on Xcel Energy's and other electric companies' electric systems; emergencies occurring on Xcel Energy's or other electric companies' systems; and other factors not specifically identified.

A proposed system One-line diagram is attached to this summary. This Summary of Project Parts will be included with the detailed project scoping documents and estimates as they become available for each part identified below.

**Overall Project Manager:** Tim Smith  
**Overall In-Service Date:** March 31, 2013  
**Overall Project Scope:** Line W3482 La Crosse to Onalaska is being impacted by proposed construction of new pedestrian bridge in the City of La Crosse, WI. Due to this impact, structures #51 through #54 require relocation. This project is reimbursable  
**Operating Company:** NSPW

| Included in this pkg.               | Item # | Parent WO | Child WO | Description        | Proj. Engineer | Requested In-Service Date | Lead-time (mo.) | Estimated Capital Cost | Estimated O&M Cost | Est. Type |
|-------------------------------------|--------|-----------|----------|--------------------|----------------|---------------------------|-----------------|------------------------|--------------------|-----------|
| <input checked="" type="checkbox"/> | 1      | 11488706  | TBD      | Line W3482 LAX-ONA | HDR            | 3/31/14                   | 7               | \$ 174,000             |                    | S         |
| <input type="checkbox"/>            |        |           |          |                    |                |                           |                 |                        |                    |           |
| <input type="checkbox"/>            |        |           |          |                    |                |                           |                 |                        |                    |           |
| <input type="checkbox"/>            |        |           |          |                    |                |                           |                 |                        |                    |           |
| <input type="checkbox"/>            |        |           |          |                    |                |                           |                 |                        |                    |           |
| <input type="checkbox"/>            |        |           |          |                    |                |                           |                 |                        |                    |           |
| <input type="checkbox"/>            |        |           |          |                    |                |                           |                 |                        |                    |           |
| <input type="checkbox"/>            |        |           |          |                    |                |                           |                 |                        |                    |           |
| <input type="checkbox"/>            |        |           |          |                    |                |                           |                 |                        |                    |           |
| <input type="checkbox"/>            |        |           |          |                    |                |                           |                 |                        |                    |           |

Total Project Lead-time (mo.): 7

Total Net Expenditure (TNE) of All Capital Parts:\* \$ 174,000

Total Net Expenditure (TNE) of All O&M Parts:\* \$ 0

\* The TNE is the total cost of all projects listed that have costs completed to date. The accuracy of the TNE will be dependent on the estimate type indicated beside each line item. See below for estimate accuracy.

**Estimate Type Legend**

- I = Indicative Estimate
- S = Scoping Estimate (±30%)
- A = Appropriation Estimate (±20%)
- E = Engineering Estimate (±10%)
- C = Completed (Actual Costs)
- NC = Estimate not yet available (Estimate will indicate \$0 until an estimate type is provided.)



**Scoping Estimate – External  
Revision 0**

A “Scoping Estimate” is provided by Xcel Energy for the convenience of the requesting entity (Requester). It is produced before engineering design has been completed and in many instances, before any engineering design has begun. Xcel Energy will make every effort to produce a representative estimate that incorporates as many project-specific factors as possible. However, a Scoping Estimate is generally based on typical conditions encountered on past construction projects and uses historical cost data from other Xcel Energy projects, which may or may not be directly comparable. A Scoping Estimate will only give a broad-based estimate of the possible costs that may be incurred during a potential construction project. Xcel Energy will not proceed to construction based on a Scoping Estimate.

Requester Name: Randy Turtenwald Phone (608) 789-7569  
Address: Engineering Department  
City of La Crosse, WI Fax \_\_\_\_\_

The Requester should review the information detailed below and notify Xcel Energy in writing as soon as possible if anything in the preliminary scope or these assumptions is incorrect.

**Project Information:**

Transmission Line: Line W3482 La Crosse to Onalaska  
Location: La Crosse, WI  
Title: Line W3482 Relocate for Pedestrian Bridge

**Preliminary Scope:**

Line W3482 La Crosse to Onalaska is being impacted by proposed construction of new pedestrian bridge in the City of La Crosse, WI. Due to this impact, structures #51 through #54 require relocation. This project is reimbursable.

**Preliminary Assumptions:**

- Project scope is based on City of La Crosse section plan for project #5991-05-09/95 and #5991-07-19, any changes to the proposed bridge design may impact overall project scope and must be communicated to Xcel Energy in a timely manner.
- Project schedule and duration is contingent upon outage availability in the month of scheduled construction.
- This estimate is based on Onalaska (ONA) substation being energized through Marshland (MRS) during line construction.
- Local Construction permits shall be required.
- All structures will be installed in the existing alignment. No new easements will be required.
- Existing communication underbuild will be supported by new structures.

- City of La Crosse requested in service date is March 31, 2014.

**By signing below, the Requester agrees that this document sets forth the correct Project Information, Scope, and Assumptions.**

**Scoping Estimate of Costs by Xcel Energy:**

HD Estimate Name(s): W3482-SEr0-Relocate for Pedestrian Bridge

|                                |                  |
|--------------------------------|------------------|
| • Engineering                  | \$ 53,000        |
| • Material                     | \$ 14,000        |
| • Easements                    | \$ 0             |
| • Construction                 | \$ 107,000       |
| • <b>Scoping Estimate TNE:</b> | <b>\$174,000</b> |

**Preliminary Schedule:**

**(Schedule starts upon return of this estimate, the associated agreement and payment for engineering)**

- Engineering & detailed estimate 8 (weeks)
- (Schedule stops until payment for construction is received)
- Final design & material lead time 18 (weeks)
- Construction duration 2 (weeks)

To proceed with design of this project, Xcel Energy will require full payment of the engineering costs noted above. When engineering is complete a Relocation Agreement and a revised, detailed estimate, referred to as an Appropriations Estimate, will be developed and mailed to the requestor. Before materials can be ordered and construction dates can be finalized, the requestor must review, sign and return the Relocation Agreement, Appropriations Estimate and payment of 80% of the estimated total project cost.

Deposit for this estimate \$53,000  
(100% of the Estimated Engineering and Design Costs)


This estimate is valid for 90 days from the latest signature date below.


A Scoping Estimate must be signed by both parties and dated. Each signature below is made contingent upon this document being signed by the other party.


Prepared By: Freeland Demaray  
HDR Engineering Inc.  
Consulting Transmission Line Engineer  
7/19/2013

Approved By  
Xcel Energy: Dave Hughes  
Digitally signed by Dave Hughes  
DN: cn=Dave Hughes, ou=Siting & Land Rights, ou=Siting & Land Rights,  
email=dave.hughes@hdrinc.com, c=US  
Date: 2013.07.21 1:06:48 -0500  
Dave Hughes (Maintenance/Relocations) Date  
Xcel Energy - NSP  
Supervisor – Siting and Land Rights

Approved By  
Xcel Energy: Benjamin J. Gallay  
Digitally signed by Benjamin J. Gallay  
DN: C=US, E=benjamin.j.gallay@xcelenergy.com, OU=Transmission  
Engineering, O=Xcel Energy, CN=Benjamin J. Gallay  
Location: MP-8  
Reason: I have reviewed this document  
Contact Info: 612.337.2305  
Date: 2013.07.26 11:13:33 -0500  
Ben Gallay Date  
Xcel Energy - NSP  
Sponsor – Transmission Line Engineer

Approved By  
Xcel Energy:   
Digitally signed by Sheldon Silberman  
DN: C=US, E=sheldon.i.silberman@xcelenergy.com,  
OU=SubTran, O=Engineering/Design Outsourcing,  
CN=Sheldon Silberman  
Date: 2013.07.26 13:58:10 -0500  
Sheldon Silberman Date  
Xcel Energy - NSP  
Manager – Transmission Design Outsourcing

Approved By  
Requester:  10-22-13  
Randy Tuftenwald Date  
City of La Crosse  
Director of Engineering

Approved By  
Requester:  10/22/2013  
Tim Kabat Date  
City of La Crosse  
Mayor

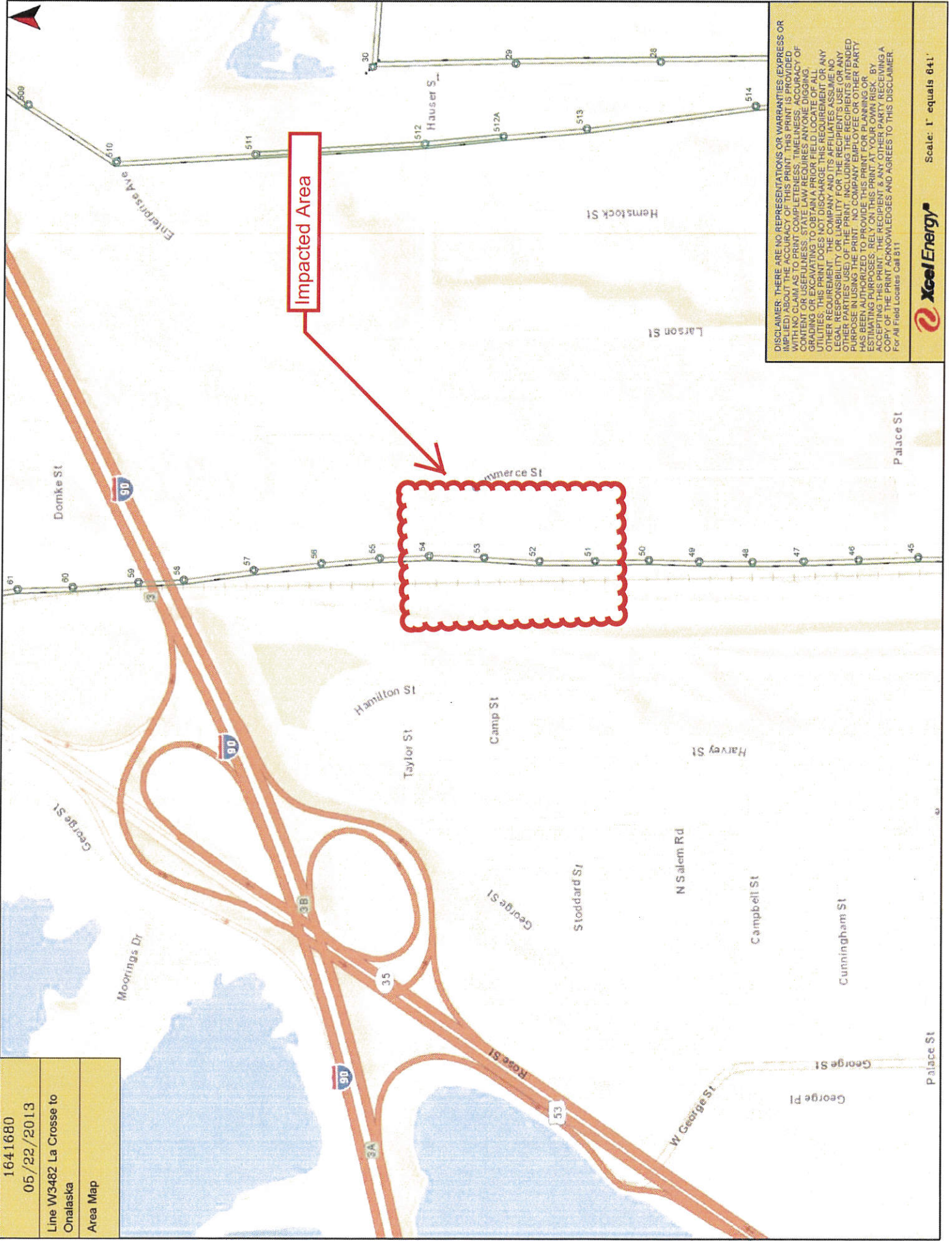
Approved By  
Requester:  10/21/13  
Teri Lehrke Date  
City of La Crosse  
City Clerk

1641680

05/22/2013

Line W3482 La Crosse to Onalaska

Area Map



Impacted Area

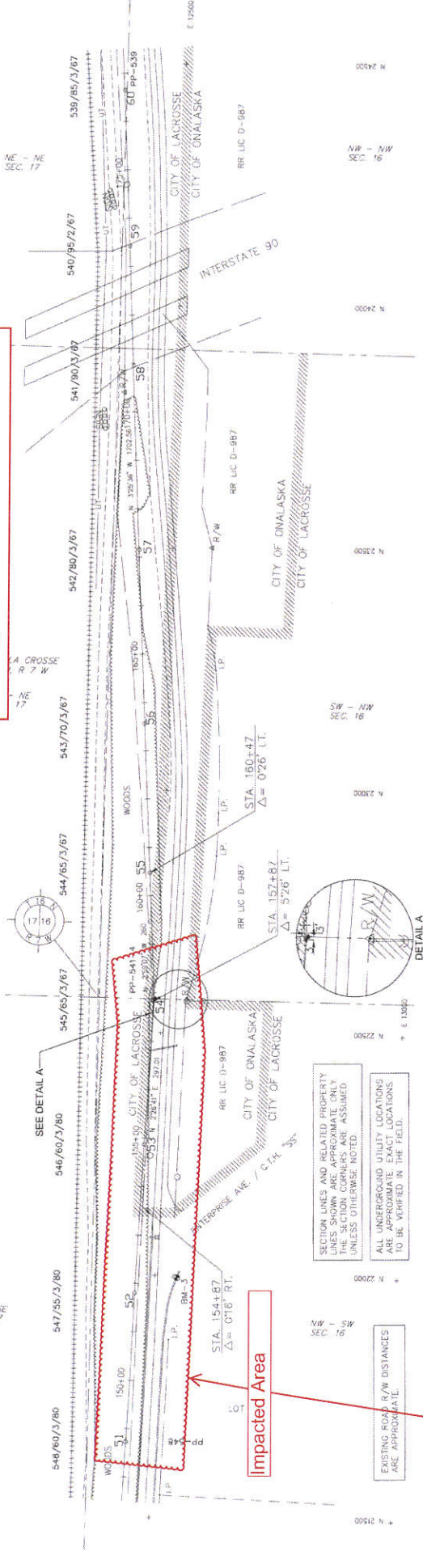
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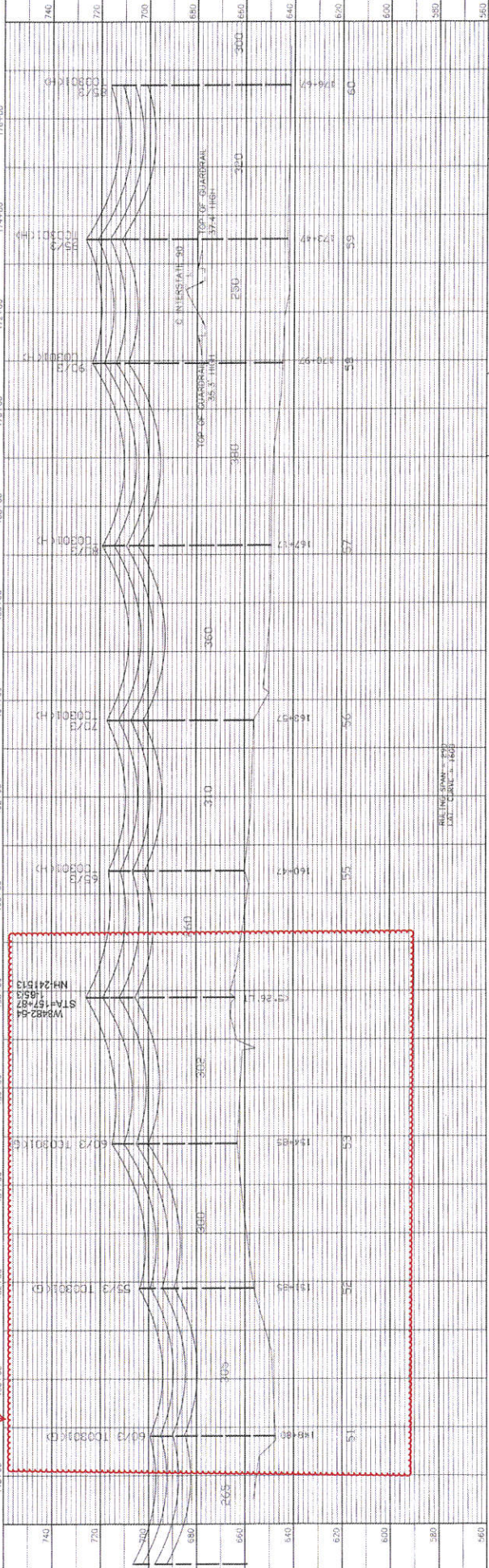
Scale: 1" equals 641'

**Line W3482 La Crosse to Onalaska  
Existing Plan & Profile**

E 12000



**Impacted Area**



|                  |                               |               |
|------------------|-------------------------------|---------------|
| REV: E           | NORTHERN STATES POWER COMPANY | NH-73235-7    |
| SCALE: 1" = 100' | DATE: 11-1987                 | LINE NO. 3482 |
| DATE: 68         | BY: J. J. JENSEN              | SHEET: 7      |

K:\PROJECTS\W3482\W3482.DWG