

**Edl, Michele**

---

**From:** Ray Kimball [rayk@incnorthwest.com]  
**Sent:** Wednesday, January 23, 2008 11:24 AM  
**To:** Edl, Michele  
**Subject:** FW: Silver Beach Marina h2o system improvs and new well

**Attachments:** 20080111151010005.pdf



2008011115101000  
5.pdf (1 MB)

Michele,

Attached are the asbuilts for the well and associated improvements. Please note on page 3 the tie in detail. There is complete bypass of the treatment system. I've been able to piece together several accounts of the system history and have come up with the following.

The asbuilts as attached were submitted to IDEQ and accepted in September of 1997. Both wells were operational and supplying water to the treatment facility (2 Marlow water filters) and then to the reservoir. In July of 1998, the treatment system was bypassed in order to keep up with demand. Complaints arising about the high iron content in the water from the old well necessitated turning it off, leaving the new well to supply the system with the old well left as a backup.

In the few years following, the treatment room was re-plumbed. The Marlow filters were removed and a chlorinator was added. The bypass mentioned above was closed. The water from the new well went to the treatment room, was chlorinated, and directed to the reservoirs for chlorine contact time. Supply to the marina and restaurant from the reservoirs went to a water softener in the treatment room and then to the respective demand points. The use by the marina was causing the water softener to go through too much rock salt, so the supply point to the marina was moved to the pre-water softener side of the line from the reservoir. Now both the marina and restaurant get chlorinated water. The water for the marina is hard. The water for the restaurant is softened.

Hope this helps. Please let me know if you have any questions.

Best Regards,

Ray Kimball, PE

-----Original Message-----

From: Brittani Cramer [mailto:brittanic@incnorthwest.com]  
Sent: Friday, January 11, 2008 3:26 PM  
To: rayk@incnorthwest.com  
Subject: FW: Silver Beach Marina h2o system improvs and new well

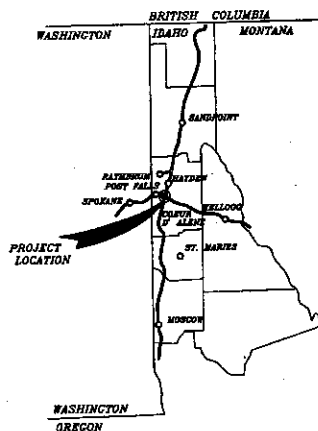
-----Original Message-----

From: Brittani [mailto:brittanic@incnorthwest.com]  
Sent: Friday, January 11, 2008 12:10 PM  
To: Brittani  
Subject: Silver Beach Marina h2o system improvs and new well

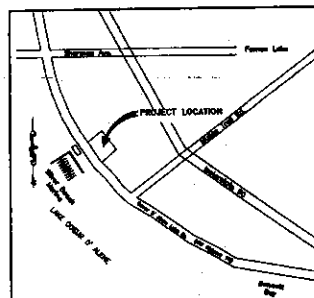
This E-mail was sent from "RNP99D9DE" (Aficio 480W).

Scan Date: 01.11.2008 15:10:09 (-0500)  
Queries to: gestetner@incnorthwest.com

# WATER SYSTEM IMPROVEMENTS FOR SILVER BEACH MARINA/BEACH HOUSE KOOTENAI COUNTY, IDAHO



LOCATION MAP  
NO SCALE



VICINITY MAP  
NO SCALE

## SHEET INDEX

- SHEET 1 COVERSHEET
- SHEET 2 PROJECT OVERVIEW
- SHEET 3 WATER SYSTEM IMPROVEMENT DETAILS
- SHEET 4 RECORD WATER DRAWING

*NOTED BY 0-517*  
These plans are specifications covering the civil construction, drainage or water supply improvements here shown, subject to approval by the Board of Commissioners of Kootenai County, Idaho. The engineer and his firm are not responsible for the accuracy of the data furnished by the owner, except as indicated on the drawings. The engineer and his firm are not responsible for the accuracy of the data furnished by the owner, except as indicated on the drawings. The engineer and his firm are not responsible for the accuracy of the data furnished by the owner, except as indicated on the drawings.

*0-517 - North*  
- 1/4" = 1' - 1/4" = 1' - 1/4" = 1'

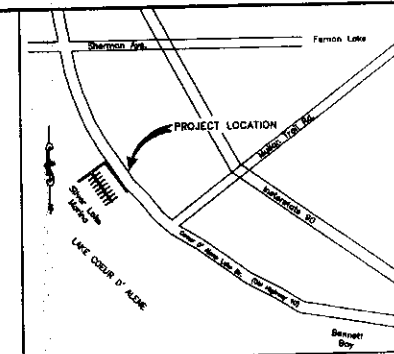
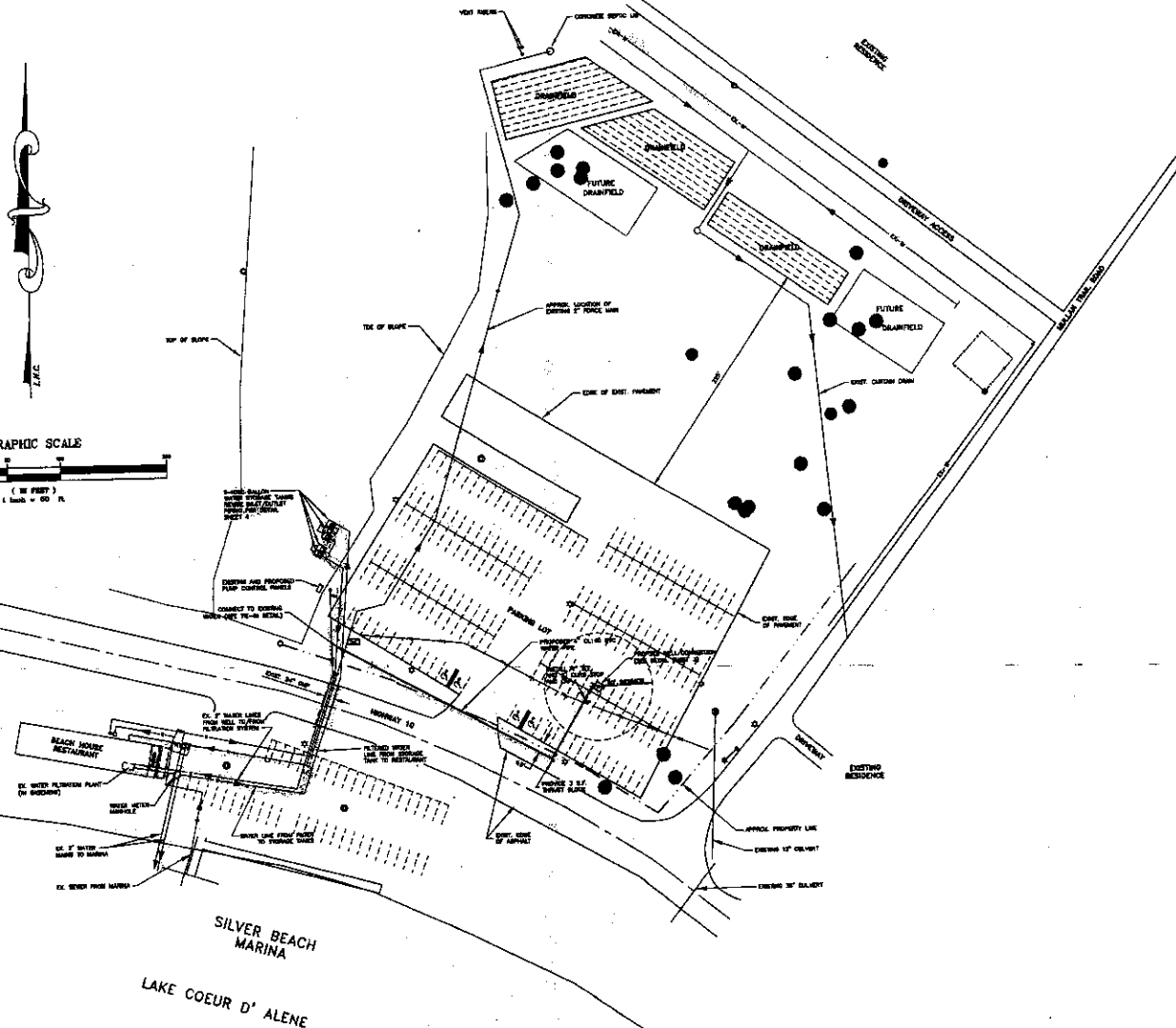
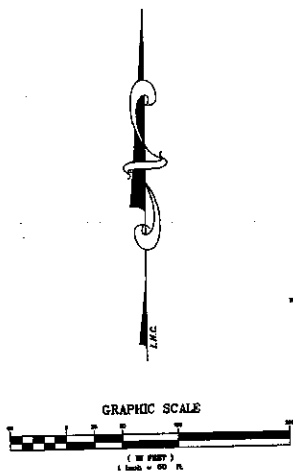
**I.N.C. ENGINEERING & SURVEYING**

• 620 POST STREET, POST FALLS, ID. 83854 •

RECEIVED  
JUL 15 1997  
IDHW-DEQ  
Clerk of Idaho Public Office  
2133

RECORD DRAWING 7/97

S-1 New Well + Improvements - Silver Beach Marina



VICINITY MAP

NOTES:  
1. UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE, EXACT LOCATIONS TO BE FIELD VERIFIED BY CONTRACTOR.  
2. SOME SHADER SCALES HAVE BEEN CONSIDERED FOR DRAWING PURPOSES. REAL SIZES AND DIMENSIONS ARE AS NOTED.

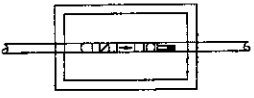
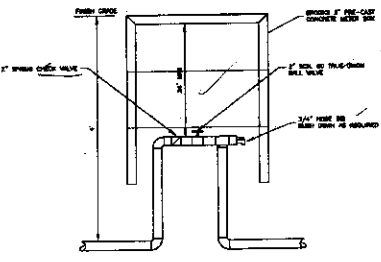
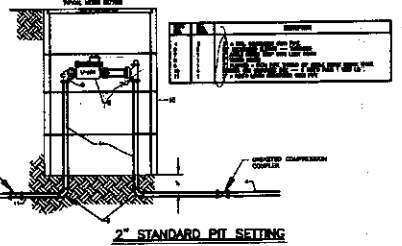
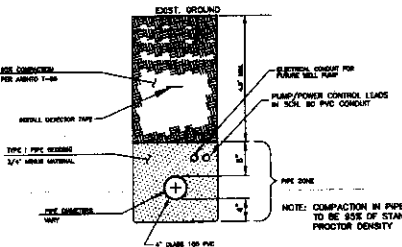
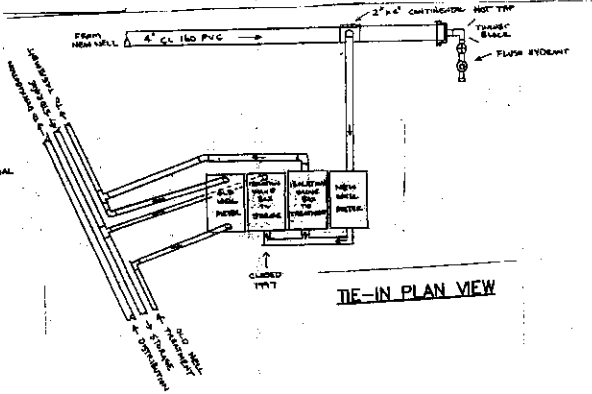
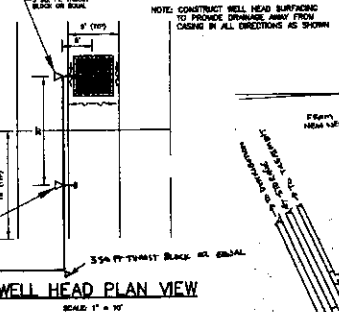
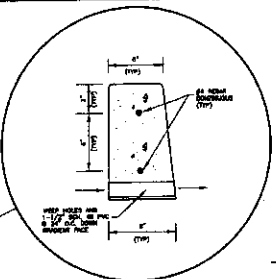
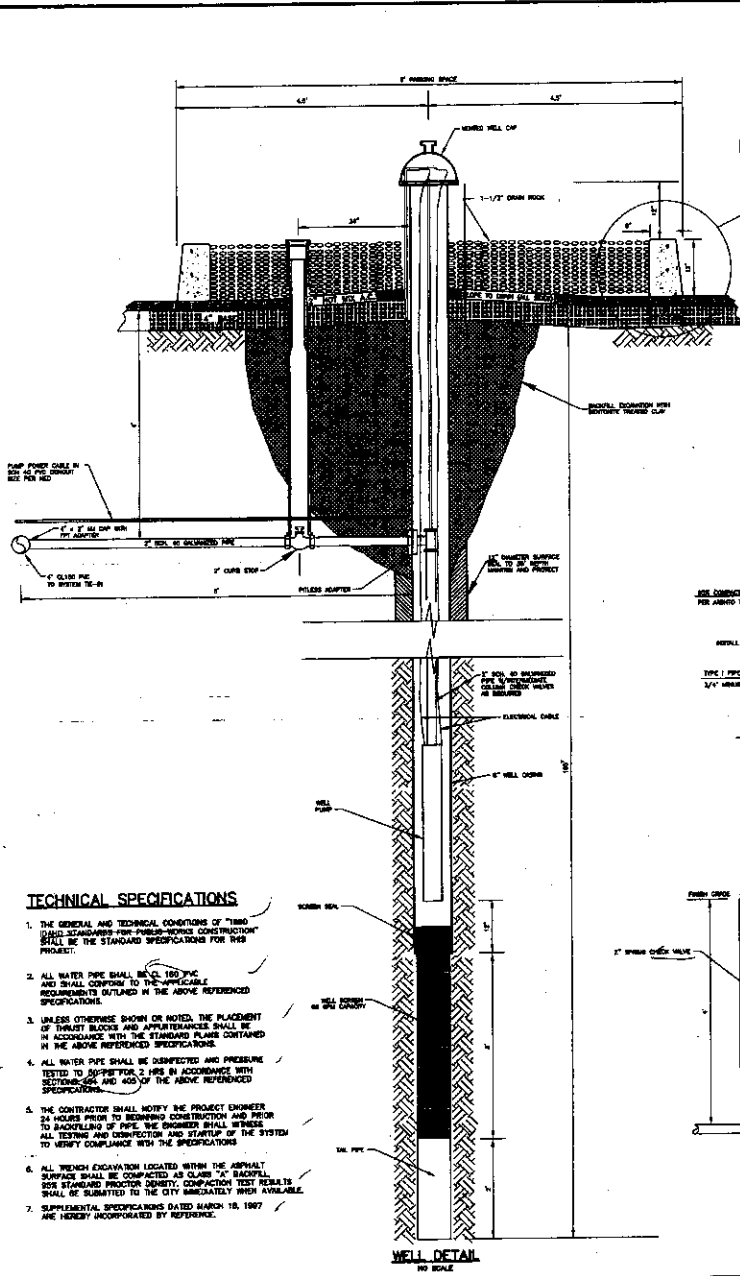
CALL BEFORE YOU DIG  
1-800 428-4950

LEGEND

- EXISTING LIGHT POLE
- EXISTING DRYWELL
- EXISTING TREE
- EXISTING BUSH
- EXISTING UTILITY VAULT
- FOUND SURVEY MONUMENT
- EXISTING WELL
- PAINTED POWERLINE LOCATION
- APPROXIMATE PROPERTY LINE
- NEW WELL
- NEW CL 180 4" PVC
- EXISTING WATER LINE
- EXISTING PRESSURE SEWER

RECORD DRAWING 7/97

|  |                                                                                                                         |                            |                                           |                  |
|--|-------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------|------------------|
|  | <b>Indland Northwest Consultants</b><br>PHONE (208) 773-8370 • FAX (208) 777-2128<br>480 POST STREET, POST FALLS, IDAHO |                            |                                           |                  |
|  | <b>SILVER BEACH MARINA WATER SYSTEM OVERVIEW</b><br>KOOTENAI COUNTY, IDAHO                                              |                            |                                           |                  |
|  | DESIGNED BY<br>DATE 5/22/97                                                                                             | CHECKED BY<br>DATE 5/22/97 | DRAWN BY<br>DATE 5/22/97                  | SHEET NO. 1 OF 1 |
|  | PLOTTED BY<br>DATE 5/22/97                                                                                              | SCALE 1" = 50'             | DWS: DR. 500000000<br>PWT: PLS. 500000000 |                  |



ISOLATION VALVE BOX DETAIL

**TECHNICAL SPECIFICATIONS**

1. THE GENERAL AND TECHNICAL CONDITIONS OF "TWO (2) DAY STANDARD" FROM PRELIMINARY CONSTRUCTION SHALL BE THE STANDARD SPECIFICATIONS FOR THIS PROJECT.
2. ALL WATER PIPE SHALL BE 4\"/>

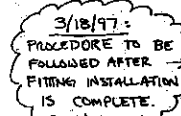
END OF LINE  
2\"/>

RECORD DRAWING 7/17



|                                                                                 |              |                 |                  |
|---------------------------------------------------------------------------------|--------------|-----------------|------------------|
| <b>Idaho Northwest Consultants, Inc.</b><br>4800 POST STREET, POST FALLS, IDAHO |              |                 |                  |
| <b>SILVER BEACH MARINA WATER SYSTEM DETAILS</b><br>KOOTENAI COUNTY, IDAHO       |              |                 |                  |
| DESIGNED BY                                                                     | DATE 2/21/87 | REVIEWED        | SHEET No. 3 OF 4 |
| PLANNED BY                                                                      | DATE 1/16/87 |                 |                  |
| ISSUED BY                                                                       | DATE 3/16/87 | SCALE: AS SHOWN |                  |

**SILVER BEACH MARINA**



THIS DRAWING EXISTS AS THE DRAWING OF  
RECORD FOR THE STORAGE TANK SYSTEM.  
IT IS INCORPORATED INTO THESE CONSTRUCTION  
PLANS FOR THE PURPOSE OF DENOTING  
THE REVISION TO INLET/OUTLET PIPING AS  
NOTED. RECORD DRAWING 7197

RECORD DRAWING 7/97

|                |                   |                    |
|----------------|-------------------|--------------------|
| Checked By: 10 | Date: 15 MAY 1971 | Spec. No.: 674-202 |
|----------------|-------------------|--------------------|

\_\_\_\_\_