

MEMORANDUM

State of Alaska

Department of Environmental Conservation

TO: Greg Magee

DATE: October 5, 2012

FILE NO: Cheformak Design Review Binder

PHONE NO: 269-7614

FROM: Susan Randlett
VSW Project Manager

SUBJECT: Strategy for Watering Point Prototype

Today's memo to you is to describe the variation in design review process you authorized at the Cheformak issues meeting yesterday.

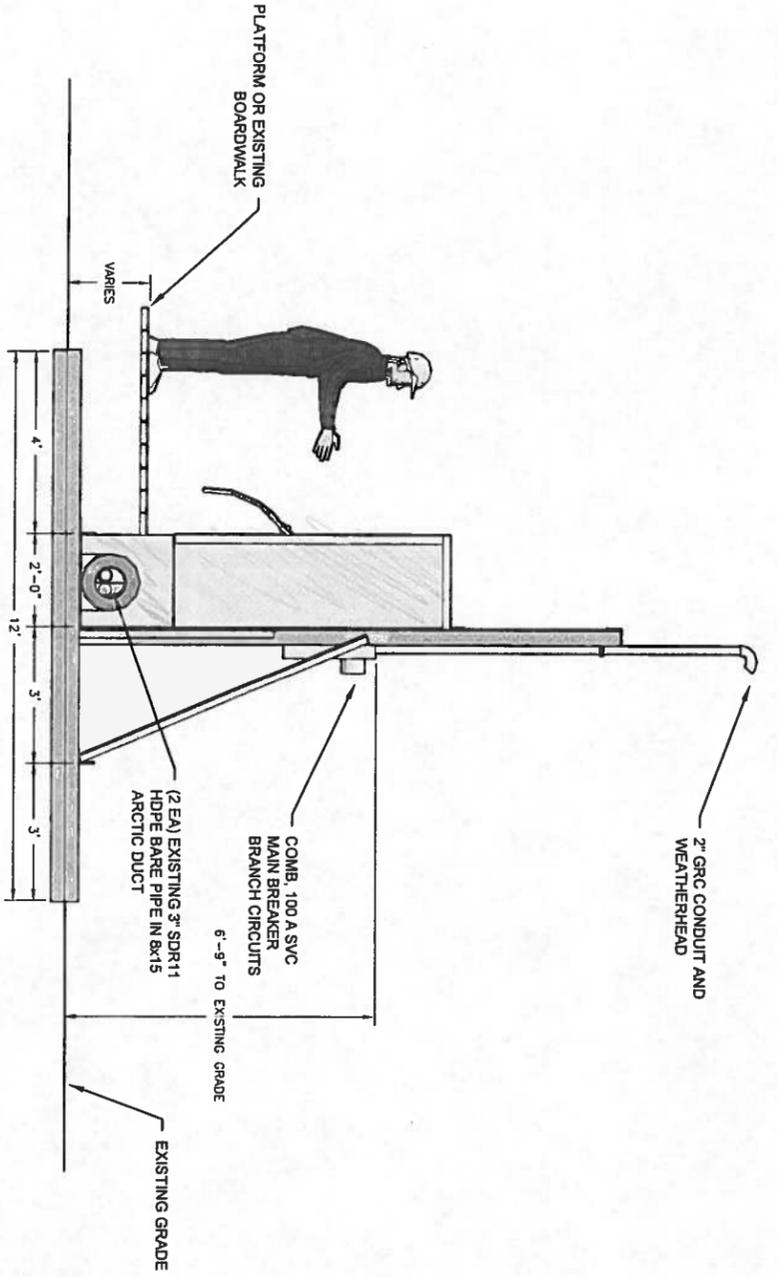
This memo and the plan sheets will be posted on the project web site. The meeting, attended by you, Paul Weisner, P.E., and I, led to the following agreements:

- 1) CE2 has an immediate green light NTP to fabricate the prototype, subject to the normal procurement rules.
- 2) The VSW Manager will make a progress inspection of the prototype at the CE2 shop.
- 3) The watering points are service connection upgrades. No 18AAC80 plan submittal will occur. Materials appropriate for potable water will be specified.
- 4) We mutually acknowledge a tradeoff: the fewer non-critical components in the watering points, the fewer opportunities for component failure. VSW offers no opinion on whether the CE2 should incorporate devices to track performance.
- 5) The City Council formally selected the Double D token shape.
- 6) CE2 is aware that the condition of the Naterkaq's utility's lines is unknown.
- 7) Approval via prototype is unique. No physical installation may occur without a green light from the VSW project manager, in coordination with the VSW program manager.

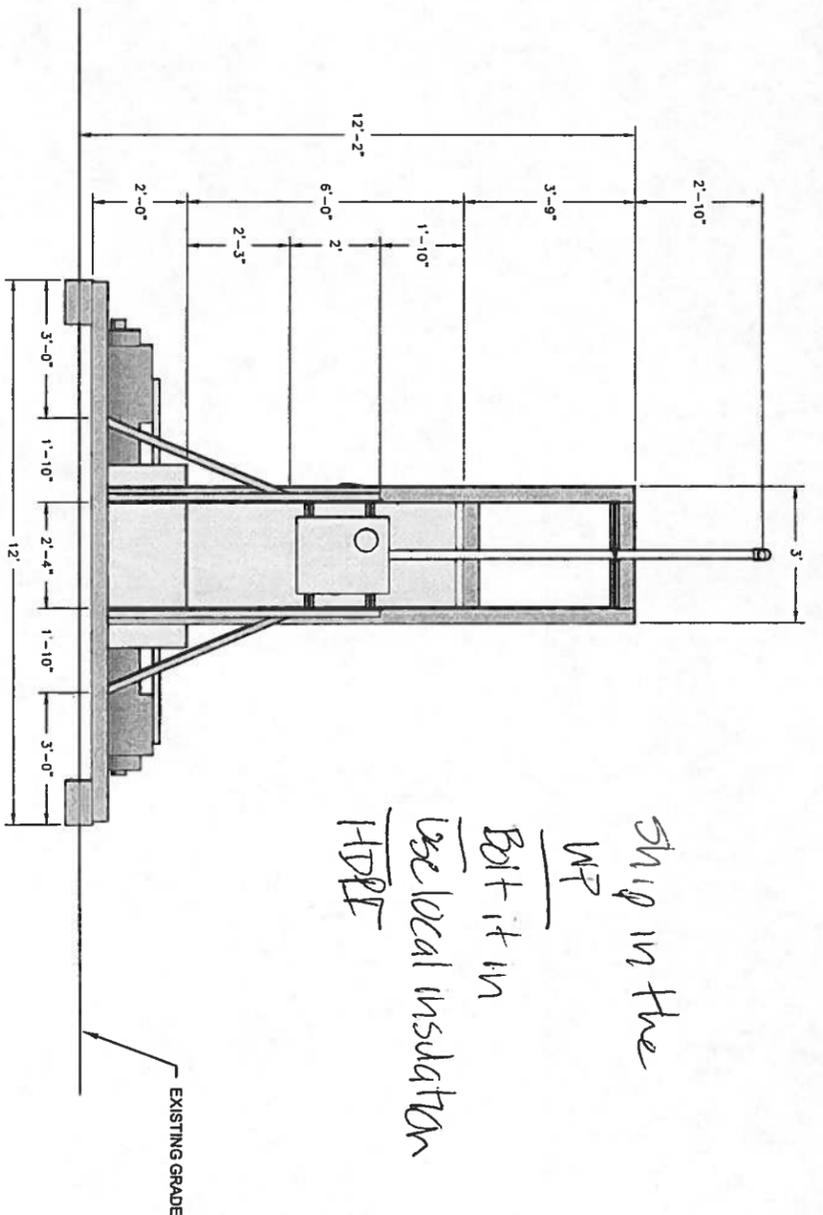
Attachment: Sheets C1.2 and C1.3, CE2 Engineers, Sept. 2012

Token selection: Double D

cc: Doug Poage, P.E., Lead Engineer
Dan Reichardt, P.E., Division of Environmental Health
Paul Weisner, P.E., Design Engineer

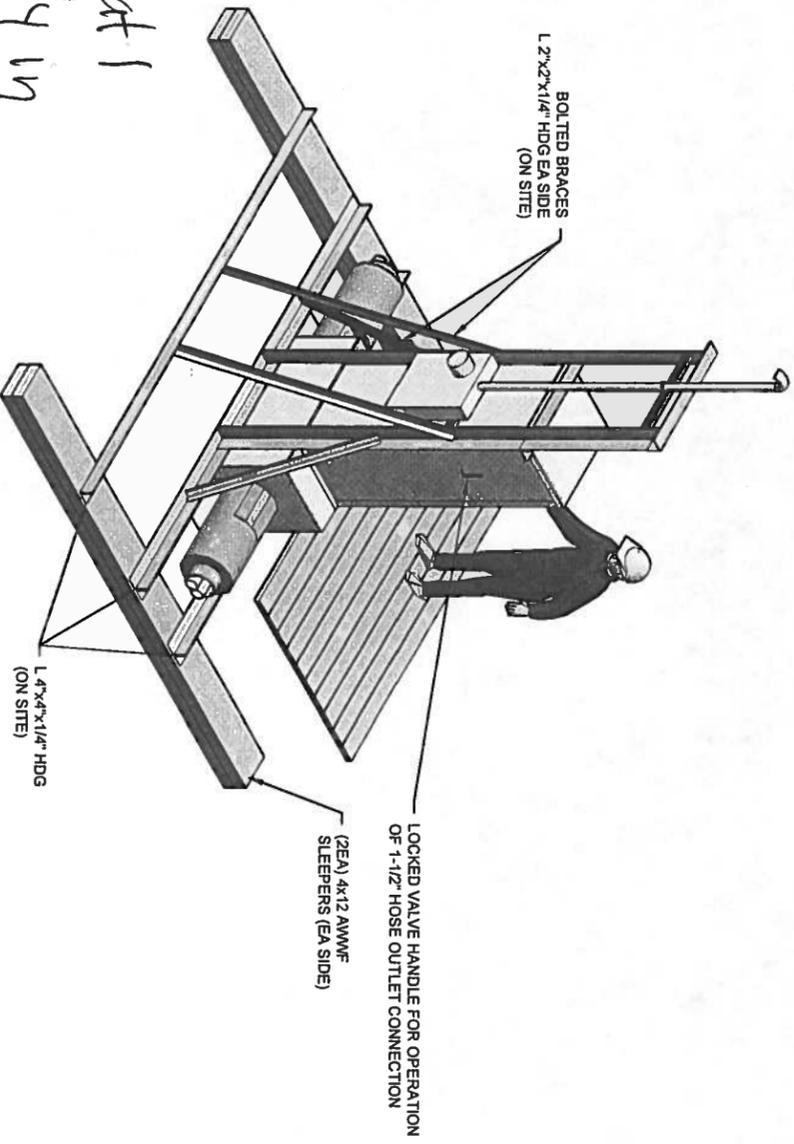


1 SIDE ELEVATION
C1.2 SCALE: 1/2"=1'-0"

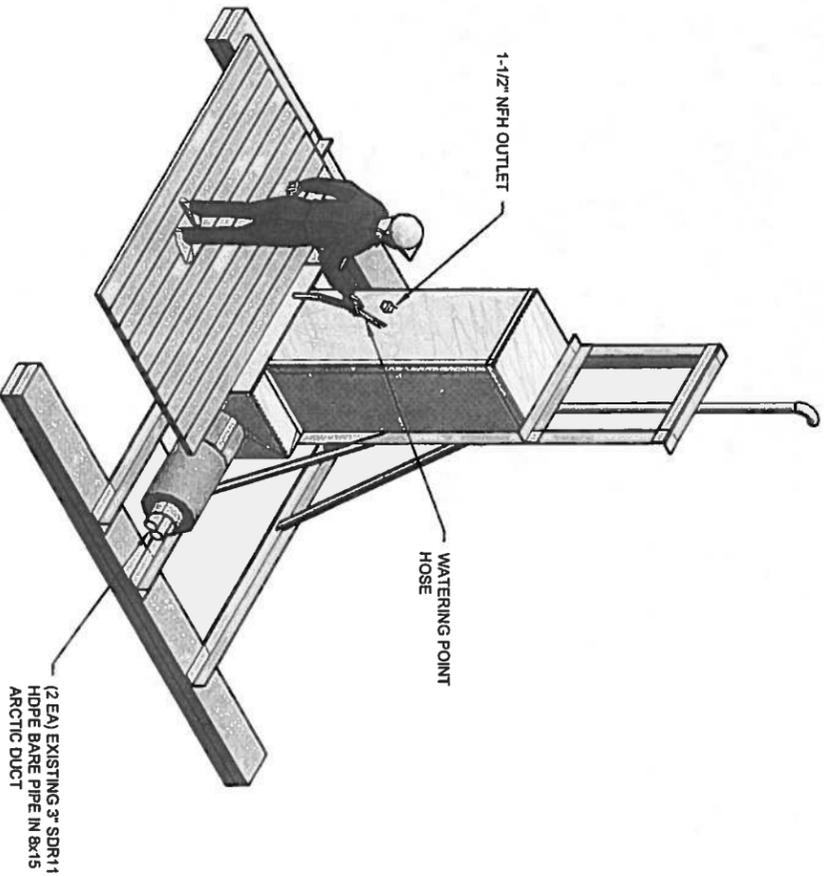


2 BACK ELEVATION
C1.2 SCALE: 1/2"=1'-0"

*Ship in the WP
Bolt it in
Use local insulation
HDPE*



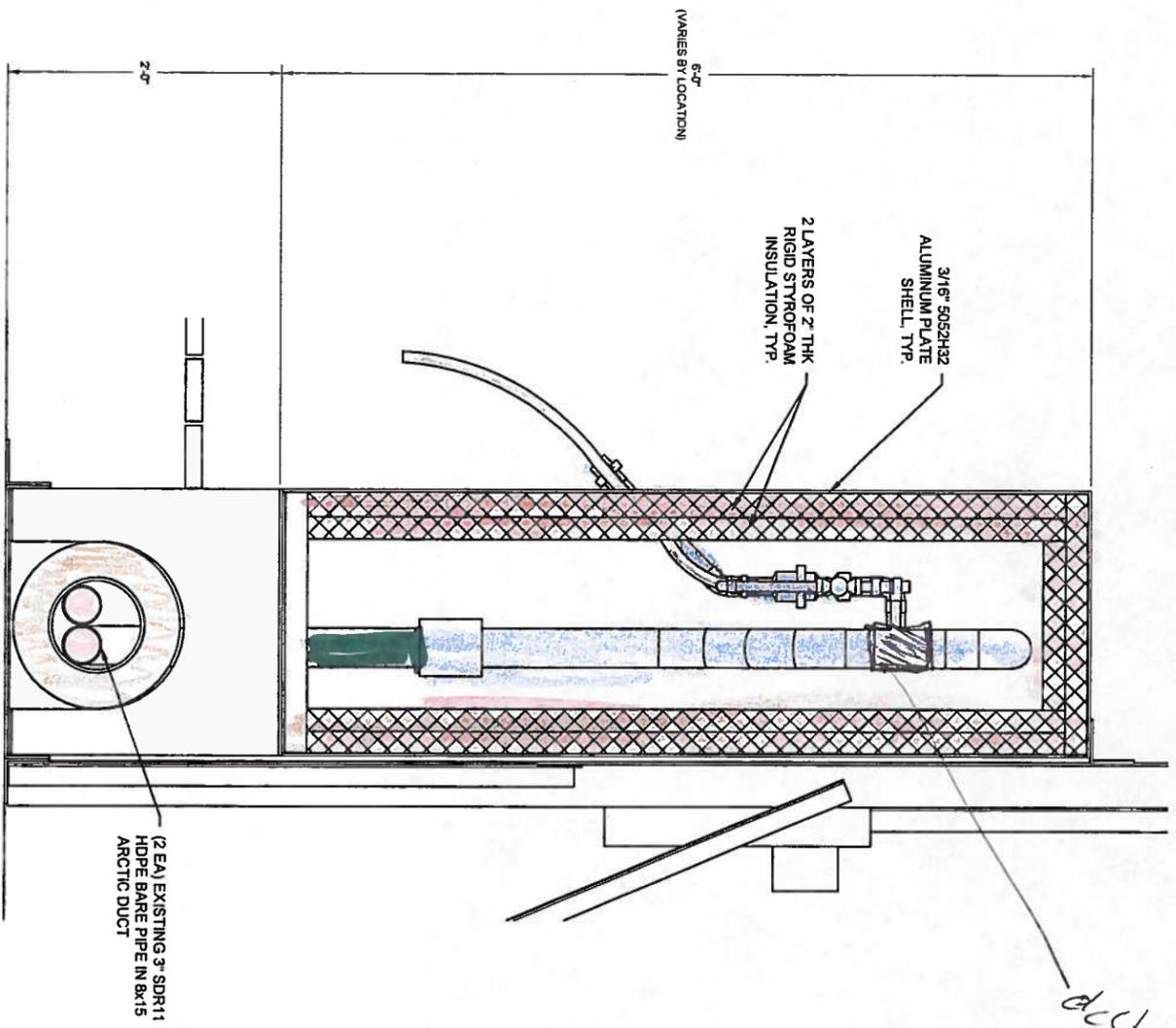
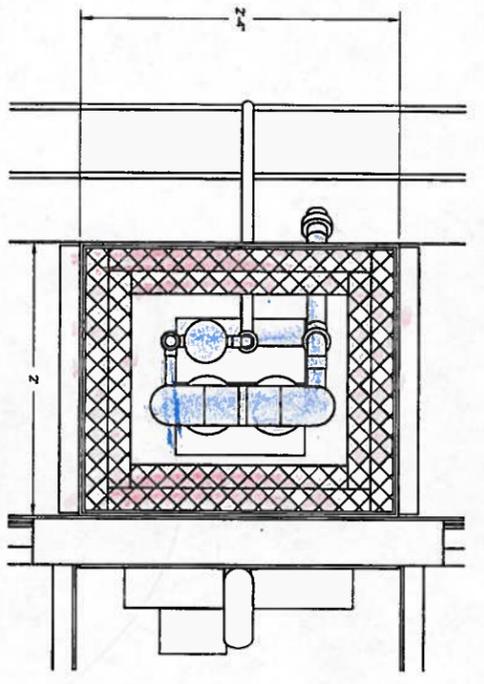
3 BACK PERSPECTIVE VIEW
C1.2 SCALE: 1/2"=1'-0"



4 FRONT PERSPECTIVE VIEW
C1.2 SCALE: 1/2"=1'-0"

*Most mat
already in
Chefornak
(500 plus)*

Project No. _____ Date <u>SEPT. 2012</u> Designed <u>PCW</u> Drawn _____ Approved <u>PCW</u>	REVISION BY DATE	 PO BOX 232946 ANCHORAGE, AK 99523 PH: 907-349-1010 FAX: 907-349-1015	2012 WATERING POINT UPGRADES UPGRADED WATERING POINTS CHEFORNAK, ALASKA		CONSTRUCTION RECORD FIELD BOOK STAKING FOREMAN AS-BUILT INSPECTOR	SCALE: AS SHOWN BAR IS ONE INCH ON ORIGINAL DRAWING 0 1' IF NOT ONE INCH ON THIS SHEET, RESUBMIT SCALES ACCORDINGLY	RECORD DRAWING CERTIFICATE THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE. NAME _____ DATE _____
	SHEET No. <u>C1.2</u> OF _____		SHEET _____ OF _____		SHEET _____ OF _____		



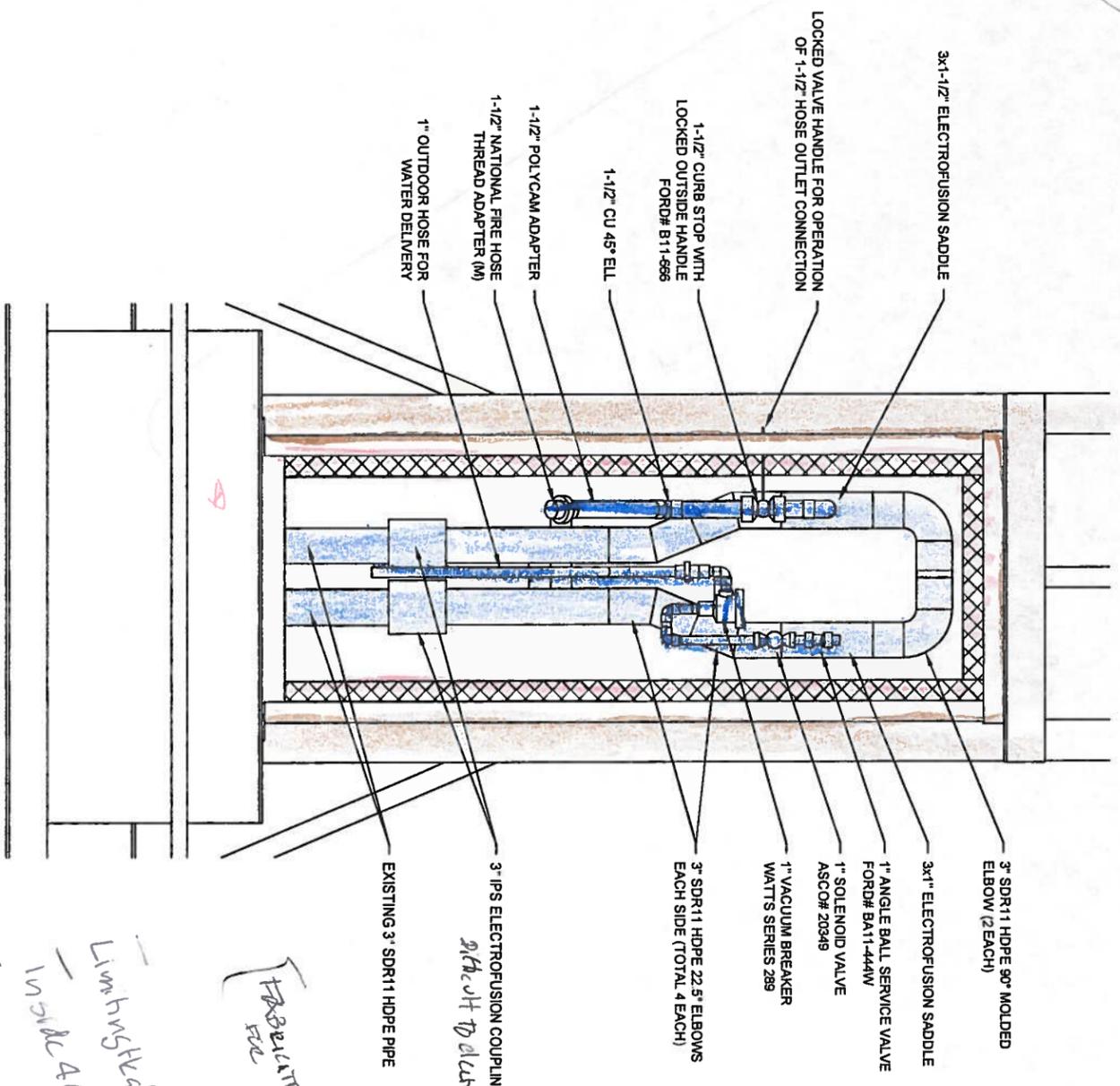
1 TOP VIEW
SCALE: 1-1/2" = 1'-0"

2 SIDE ELEVATION
SCALE: 1-1/2" = 1'-0"

ducts out

NOTES:

- HEAT IS SUPPLIED BY 2 EACH 30 FT LENGTHS OF 10W/FT HEAT TRACE INDIVIDUALLY THERMOSTATICALLY CONTROLLED FOR REDUNDANCY.
- WATER DELIVERY HOSE FITS IN A LOW TEMPERATURE RATED OUTSIDE HOSE WITH A THERMOSTATICALLY CONTROLLED 5W/FT HEAT TRACE THAT IS ACTUATED BY OUTSIDE TEMPERATURES BELOW 34°.
- A WEATHER PROOF GFCI RECEPTACLE OUTSIDE BELOW SERVICE METER BASE FOR MAINTENANCE.



2 FRONT ELEVATION
SCALE: 1-1/2" = 1'-0"

FRABE LITE

note it to electrical

Using existing meter pipes have some flex, cut at the water, 1" inside 40 50'

Project No.	SEPT. 2012
Date	
Designed	PCW
Drawn	
Approved	PCW

REVISION	BY	DATE

CE₂
ENGINEERS, INC.
PO BOX 22296 ANCHORAGE, AK 99523 PH: 907-349-0100 FAX: 907-349-1015

2012 WATERING POINT UPGRADES

UPGRADED WATERING POINTS

CHEFORNAK, ALASKA



CONSTRUCTION RECORD
FIELD BOOK
STAKING
FOREMAN
AS-BUILT
INSPECTOR

SCALE:
AS SHOWN
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADAPT SCALES ACCORDINGLY

RECORD DRAWING CERTIFICATE	
THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.	
NAME	DATE



Examples of Different Tokens

Dear Mayor Jimmy,

I did not check prices. This is just an example of what Paul could design.

At first, only the two new watering points will have the new coins.

Susan

cc: Paul Weisner

FAX: 867.8704