A M-4 PLAN

CAYAN TAILRACE PUMP STATION

PUMPS PROCUREMENT

CONTRACTOR SHALL REVIEW CONFIGURATION AND LAYOUT SHOWN AND EITHER CONFIRM OR PROVIDE DIMENSIONS AND / OR GEOMETRY AS PART OF BID.

6" FLANGE FOR AIR BACKWASH CONNECTION

6" VALVE BOX ACCESS WITH 2" LEVEL PROBE, TYP

6" DIA AIR BACKWASH HEADER

RECEIVER AUTOMATED AIR BACKWASH CONNECTION VALVE, TYP

EQUIPMENT BUILDING

PUMP STATION PLAN

SCHEDULE B

BID 07-31

90% REVIEW SET

17 APRIL 2007
EQUIPMENT BUILDING PLAN AND SECTION

PUMP PROCUREMENT

CHELAN TAILRACE PUMP STATION

353102

R. GATTON

R. GATTON

T. TOVEY

BID 07-31

EQUIPMENT BUILDING PLAN AND SECTION

STRUCTURAL NOTES

APPLICABLE CODE:

2003 INTERNATIONAL BUILDING CODE (IBC), AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF CHELAN

DESIGN LOADS:

1. ROOF LOADS:
   - SNOW LOAD                  Pg=25 PSF, Ce=.9, I=1.00
   - ROOF LIVE LOAD              50 PSF

2. COLLATERAL ROOF LOADS      10 PSF

3. DEFLECTION CRITERIA FOR ROOF FRAMING MEMBERS:
   - TOTAL LOAD               L/240
   - LIVE LOAD                 L/360
    WHERE L IS THE MEMBER'S SPAN LENGTH

2. FLOOR LIVE LOAD:              300 PSF

3. WIND LOADS:                   85 MPH, EXPOSURE C, Iw=1.00

4. SEISMIC LOAD:
   - IBC & ASCE 7-02 SEISMIC DESIGN CATEGORY C
   - SITE CLASS B
   - SEISMIC USE GROUP I
   - BUILDING CLASSIFICATION II
   - OCCUPANCY IMPORTANCE FACTOR, I=1.0
   - USGS MAPPED VALUES: Ss = .51g, S1=.17g, SDS=.34g, SD1=.11g
   - BASIC SEISMIC-FORCE RESISTING SYSTEM:
     SPECIAL STEEL CONCENTRICALLY BRACED FRAME
   - DESIGN BASE SHEAR = .10W
   - SEISMIC RESPONSE COEFFICIENT, Cs=.057
   - RESPONSE MODIFICATION FACTOR, R=6
   - ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE METHOD

5. SOIL DESIGN PARAMETERS:
   - NET ALLOWABLE SOIL BEARING PRESSURE = 4000 PSF
   - FROST DEPTH = 18 INCHES

6. DATUM:                  SEE SITE DRAWINGS

CONTRACTOR SHALL REVIEW CONFIGURATION AND LAYOUT SHOWN AND EITHER CONFIRM OR PROVIDE DIMENSIONS AND / OR GEOMETRY AS PART OF BID.

2'-0" OR AS REQUIRED BY
PREFAB METAL BUILDING MANUF. FOR ADEQUATE ANCHOR BOLT EMBEDMENT

EQUIPMENT PADS (BY OTHERS)

BOLLARD, TYP 5 (BY OTHERS)

AIR CONDITIONER UNIT BY BLDG MFR, TYP OF 2 EQPT PAD

DOWNSPOUT

BOLLARD (BY OTHERS)

8" CONC SLAB (BY OTHERS)

6'-6" SQ TRANSFORMER PAD (BY OTHERS)

SPAR Block

SPLASH Block

10'-0" Operation Ceiling Height for Shipping

MIN 4'-6"W x 2'-0"H Operable Clerestory Windows, TYP of 5

Double Frame at Break Point for Shipping

A/C Unit Minimum

FLUSH BLOCK

PLAN

1/2" = 1'-0"

SECTION

1/2" = 1'-0"

A

S-1

90% REVIEW SET

DATE: APRIL 2007

PUBLIC UTILITY DISTRICT NO. 1 OF CHELAN COUNTY

LOCATED IN CHELAN COUNTY, WASHINGTON

EQUIPMENT BUILDING PLAN AND SECTION

CONTRACTOR: CH2M HILL

ARCHITECT: KUHLBACH KRAFT AND PARTNERS

ENGINEER: CH2M HILL

CONTRACT NO. 07-31

PUMP PROCUREMENT

DATE: APRIL 2007

PUBLIC UTILITY DISTRICT NO. 1 OF CHELAN COUNTY

LOCATED IN CHELAN COUNTY, WASHINGTON
CONTRACTOR SHALL REVIEW CONFIGURATION AND LAYOUT SHOWN AND EITHER CONFIRM OR PROVIDE DIMENSIONS AND / OR GEOMETRY AS PART OF BID.

PLAN

90% REVIEW SET

PUBLIC UTILITY DISTRICT NO. 1
OF CHelan COUNTY

CHELAN TAILRACE PUMP STATION

EQUIPMENT PAD

MCC ELEVATION

E-2

PUMP PROCUREMENT

CHELAN TAILRACE PUMP STATION

353102

D WAGNER

R GATTON

A CROSS

BID 07-31

2ND ENG.

DESIGNER

APPROVAL

CONSULTANT

PRIM. ENG.

90% REVIEW SET

17 APRIL 2007

Filename: -

$FILENAME$

$PLOTDATE$

$PLOTTIME$

23'-4" 8'-1 1/2" 6'-0"
NOTES:
1. GALVANIZE ALL STEEL AFTER FABRICATION.
2. USE STAINLESS STEEL MOUNTING HARDWARE. USE WASHERS, SPLIT-LOCK WASHERS UNDER ALL NUTS AND BOLTS.
3. CONCRETE ANCHORS AS REQUIRED BY CONTRACTOR, TO BE INSTALLED BY OTHERS.

DETAILED NTs

1. DETAIL

NOTES:
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2. USE STAINLESS STEEL MOUNTING HARDWARE. USE WASHERS, SPLIT-LOCK WASHERS UNDER ALL NUTS AND BOLTS.
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