

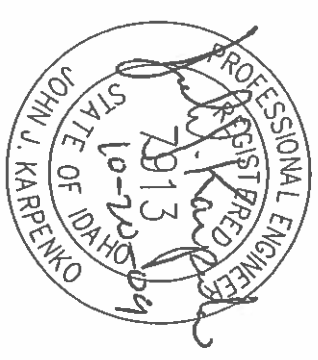
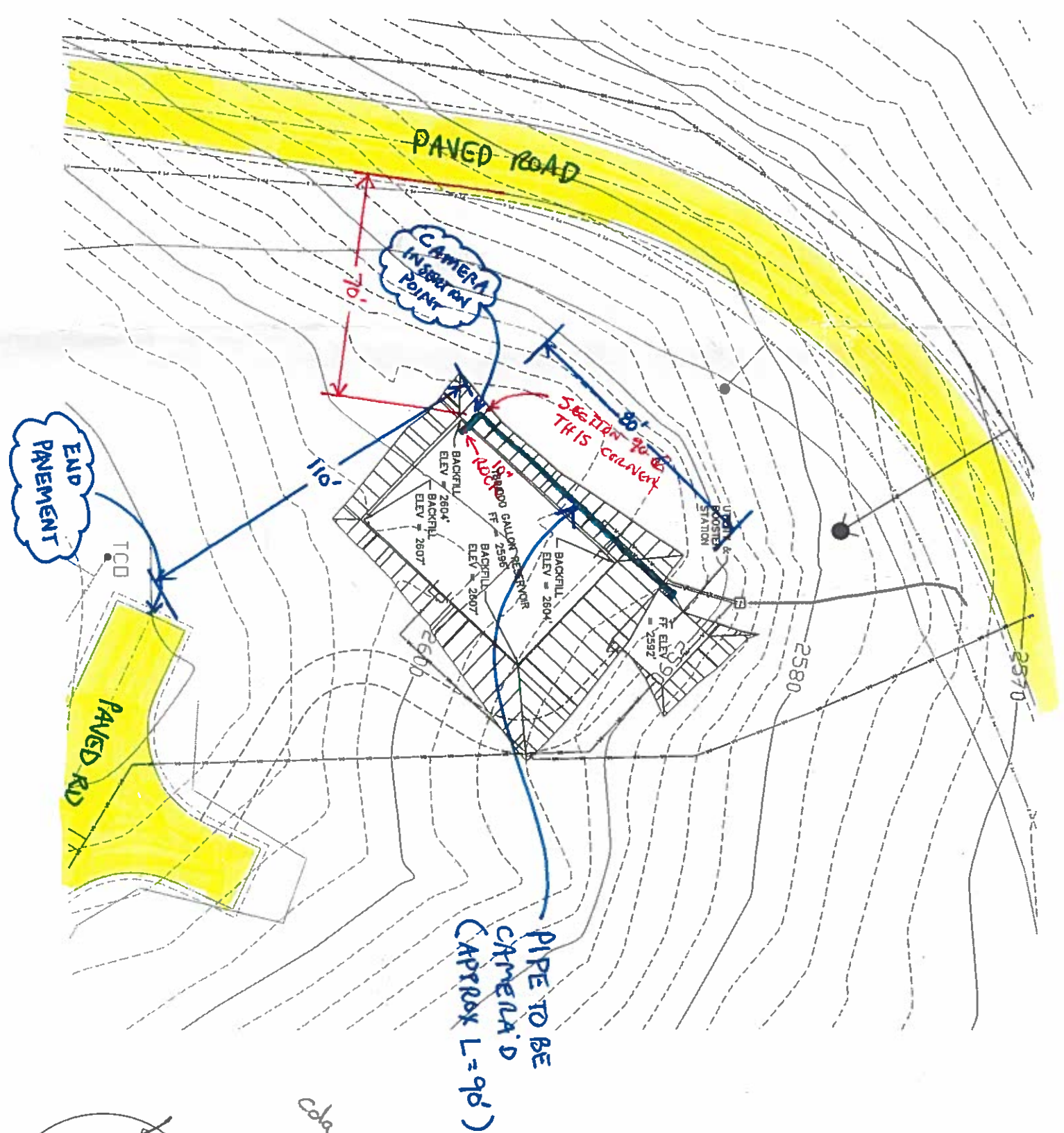
**HYDROSTATIC FIELD TESTS:**  
UPON COMPLETION OF TANK CONSTRUCTION & CLEANING, THE STRUCTURE SHALL BE TESTED FOR WATER TIGHTNESS BY FILLING THE TANK TO ITS OVERFLOW ELEVATION. ANY LEAKS SHALL BE CORRECTED BY THE CONTRACTOR. LABOR AND EQUIPMENT NECESSARY FOR TANK CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR.

**TESTING PROCEDURE:**  
THE TANK SHALL BE FILLED TO ITS OVERFLOW ELEVATION. THE TEST SHALL RUN FOR 7 DAYS AFTER A 72 HOURS OF CONDITIONING. MEASUREMENTS SHALL BE MEASURED TO THE NEAREST 0.01". NO LEAKAGE IS ALLOWED.  
TESTING SHALL OCCUR AFTER BACKFILLING THE RESERVOIR WALLS IS COMPLETED.

**DESIGN LOADS:**  
SNOW LOAD: 70 PSF (GROUND LOAD)  
DEAD LOAD: 32 PSF (2'-1/2" TOPPING)  
CONCRETE: 4,000 AS SEE NOTE 2

- NOTES:**
1. SHOP DRAWINGS & CALCULATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
  2. CONCRETE SHALL MEET SPECIFICATIONS AS OUTLINED IN SECTION 700 OF IDAHO STATE PUBLIC WORKS CONSTRUCTION MANUAL.

CALL  
BEFORE YOU DIG  
1-800-428-4950  
ONE CALL NUMBER  
48 HR. NOTICE REQUIRED



Colasewer inspection@gmail.com

| NO.                                  | REVISION        | BY  | DATE       | DESIGN BY:     |
|--------------------------------------|-----------------|-----|------------|----------------|
| 1                                    | RECORD DRAWINGS | RSS | 10/16/2008 | RAB            |
|                                      |                 |     |            | DRAWN BY: SOM  |
|                                      |                 |     |            | CHECKED BY: JK |
|                                      |                 |     |            | SCALE:         |
| PROJECT: POB1035                     |                 |     |            |                |
| CADD FILE NAME: CO. WaterReservr.dwg |                 |     |            |                |
| PLOT DATE: 10/16/2008                |                 |     |            |                |
| SHEET NUMBER: W421                   |                 |     |            |                |

**RUEY-YEAGER & ASSOCIATES, INC.**  
CONSULTING ENGINEERS - LAND SURVEYORS - PLANNERS  
3201 N. HUETTER RD., STE. #102, COEUR D'ALENE, IDAHO 83814 (208)292-0820  
219 PINE ST. SANDPOINT, IDAHO 83864 (208)265-4629



**WILD RIDGE**  
CONSTRUCTION PLANS  
WATER SYSTEM LAYOUT  
RESERVOIR LAYOUT

CAMERA  
INSSECTION  
POINT

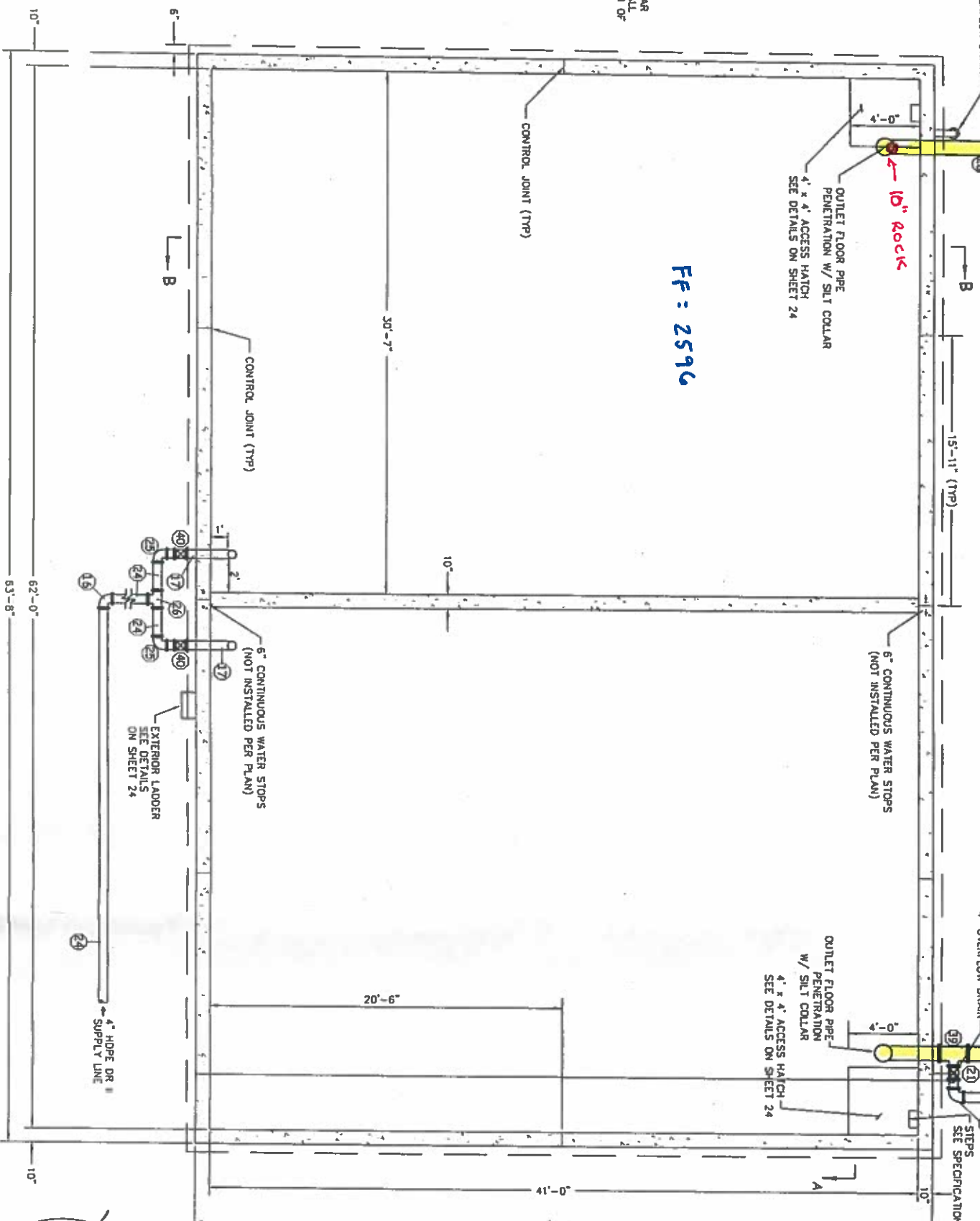
SECTION 90' DEGRIS  
CHECK FOR  
BOLT WAYS

NORTH SIDE

SLOPE 7 (0% - 5%)

FF : 2596

NOTES:  
1. ALL POWER BAR  
SPACERS SHALL  
BE A MINIMUM OF  
18" LONG.



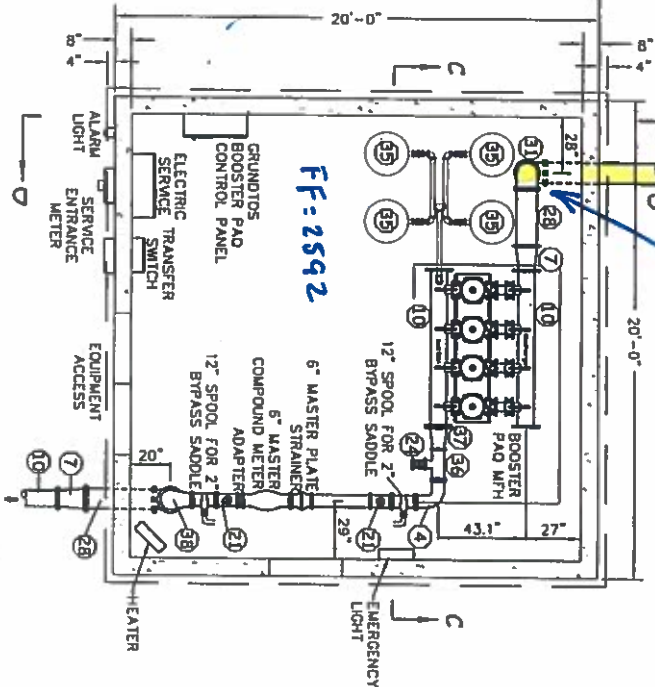
SOUTH SIDE

RESERVOIR - PLAN VIEW  
SCALE: 1/4" = 1'-0"

105-1

TO OVERFLOW OUTLET

FURTHEST POINT  
TO BE CAMERA'D  
(90' FROM INSSECTION POINT)



FF : 2592

UTILITY / BOOSTER STATION ROOM - PLAN VIEW  
SCALE: 1/4" = 1'-0"

PIPING LEGEND

- |    |                                    |    |                               |
|----|------------------------------------|----|-------------------------------|
| 1  | 6" PVC                             | 22 | FLOOR DRAIN                   |
| 2  | 6" D.I. PIPE                       | 23 | 6" C.I. 90° BEND W/ MJ        |
| 3  | 6" ROMAX D.I. x PVC COUPLING       | 24 | 4" HOPE DR II                 |
| 4  | 6" D.I. 90° BEND                   | 25 | 4" D.I. 90° BEND FLAR         |
| 5  | 6" CLASS 150 C-900 PVC PIPE        | 26 | 4" C.I. TEE MJ/MJ             |
| 6  | 10" GATE VALVE W/ VALVE BOX        | 27 | 6" COMPOUND METER             |
| 7  | 8"x10" D.I. REDUCER                | 28 | 10" D.I. PIPE                 |
| 8  | 8" ROMAX D.I. x PVC COUPLING       | 29 | 10" x 6" REDUCER              |
| 9  | 8" D.I. 90° BEND                   | 30 | 10" D.I. TEE                  |
| 10 | 8" D.I. PIPE                       | 31 | 10" D.I. 90° BEND             |
| 11 | 12" x 6" FLANGED REDUCER           | 32 | 6" C.I. TEE                   |
| 12 | 12" PVC OVERFLOW PIPE (SDR 26-160) | 33 | 10" COUPLING                  |
| 13 | FABRICATED 6" WELD SLEEVE          | 34 | PIPE SUPPORT                  |
| 14 | 8" D.I. 45° BEND                   | 35 | 120 GAL. HYDRO PNEUMATIC TANK |
| 15 | 6" C.I. 90° BEND                   | 36 | 6"x4" C.I. TEE                |
| 16 | 4" C.I. 90° BEND                   | 37 | 8" x 6" REDUCER               |
| 17 | 4" D.I. PIPE                       | 38 | 6" x 10" REDUCING 90° BEND    |
| 18 | 6" D.I. 90° BEND W/ MJ             | 39 | 10" x 6" D.I. TEE             |
| 19 | FABRICATED 10" WELD SLEEVE         | 40 | 4" GATE VALVE                 |
| 20 | 4" PRESSURE RELIEF VALVE           |    |                               |
| 21 | 6" GATE VALVE                      |    |                               |

| NO. | REVISION        | BY  | DATE       | DESIGN BY:      |
|-----|-----------------|-----|------------|-----------------|
| 1   | RECORD DRAWINGS | RSS | 10/16/2009 | RA9             |
|     |                 |     |            | DRAWN BY: SD4   |
|     |                 |     |            | CHECKED BY: JMK |
|     |                 |     |            | SCALE:          |

RUEN-YEAGER & ASSOCIATES, INC.  
CONSULTING ENGINEERS - LAND SURVEYORS - PLANNERS  
3201 N. HUETTER RD., STE. #102, COEUR D'ALENE, IDAHO 83814 (208)292-0820  
219 PINE ST. SANDPOINT, IDAHO 83864 (208)265-4629

WILD RIDGE  
CONSTRUCTION PLANS  
WATER SYSTEM LAYOUT  
RESERVOIR LAYOUT  
PLAN & PIPING

|                 |                    |
|-----------------|--------------------|
| PROJECT:        | POS1035            |
| CADD FILE NAME: | CD_WildRidge_Water |
| PLOT DATE:      | 10/19/2009         |
| SHEET NUMBER:   | WA22               |



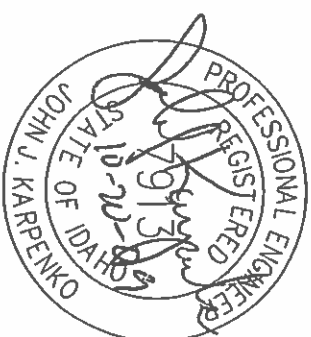
- |    |                      |
|----|----------------------|
| 27 | SCALE, NOT TO SCALE  |
| 28 | 10" COMPOUND M. PIPE |
| 29 | 10" D.I. PIPE        |
| 30 | 10" x 6" REDUCER     |
| 31 | 10" D.I. TEE         |
| 32 | 10" D.I., 90° BEND   |
| 33 | 6" C.I. TEE          |
| 34 | 10" COUPLING         |
| 35 | PIPE SUPPORT         |
| 36 | 120 GAL. HYDRO. M.   |
| 37 | 6" x 4" C.I. TEE     |
| 38 | 8" x 6" REDUCER      |
| 39 | 6" x 10" REDUCER     |
| 40 | 10" x 6" D.I. TEE    |
| 41 | 4" GATE VALVE        |



**RUEN-YEAGER & ASSOCIATES, INC.**  
CONSULTING ENGINEERS - LAND SURVEYORS - PLANNERS  
3201 N. HUETTER RD., STE. #102, COEUR D'ALENE, IDAHO 83814 (208)292-0820  
219 PINE ST. SANDPOINT, IDAHO 83864 (208)265-4629



RECORD DRAWINGS



**HOLLOW CORE ROOFING PLANK REQUIREMENTS:**

**DESIGN LOADS:**

- A. 2-1/2" TOPPING = 32 PSF
- B. LIVE LOAD, SNOW = 120 PSF

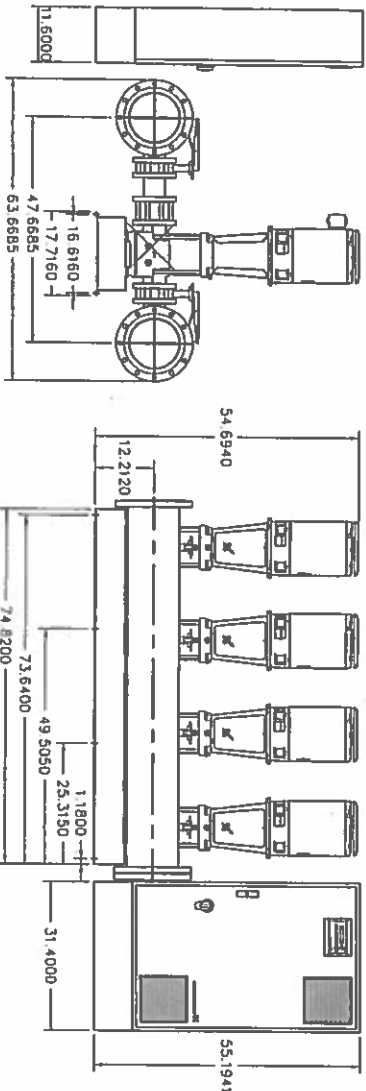
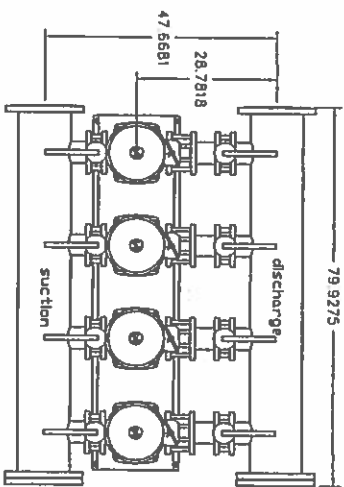
**CODES:**

- A. THE UNIFORM BUILDING CODE – LATEST EDITION
- B. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (AC308 – LATEST EDITION)
- C. PCI DESIGN HANDBOOK (LATEST EDITION)
- D. MANUAL OF STEEL CONSTRUCTION (AISC – LATEST EDITION)
- E. MANUAL FOR QUALITY CONTROL FOR PLANTS AND PRODUCTION OF PRECAST/PRESTRESSED CONCRETE PRODUCTS (PCI MANUAL 110 – LATEST EDITION)

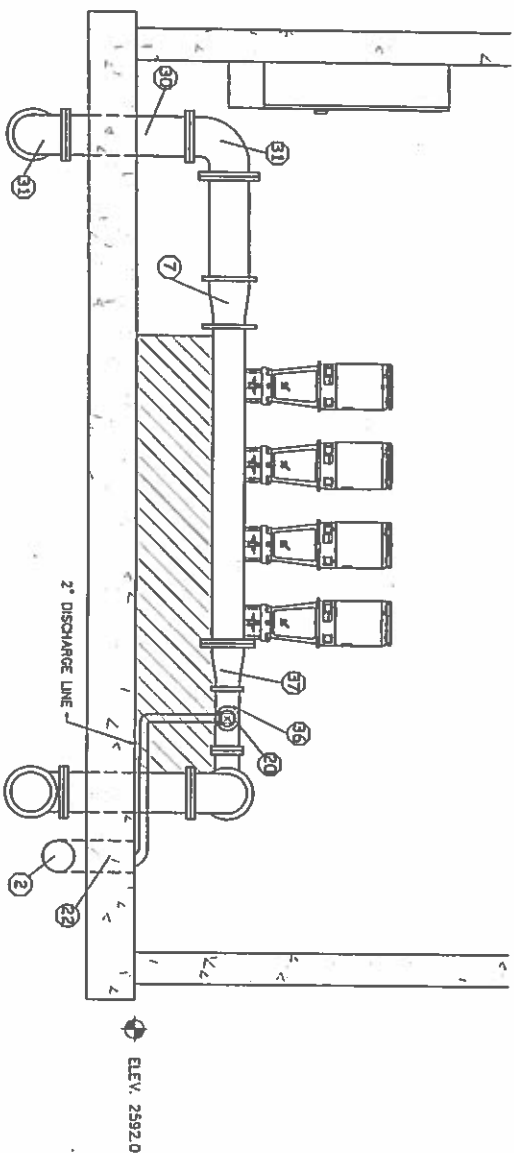
**WILD RIDGE  
CONSTRUCTION PLANS  
WATER SYSTEM LAYOUT  
RESERVOIR LAYOUT  
PLAN & PIPING**

|                  |            |
|------------------|------------|
| PROJECT:         | P0610235   |
| CADD FILE NAME:  |            |
| CD Worksheet: RD |            |
| PLOT DATE:       | 10/19/2009 |
| SHEET NUMBER:    | WA23       |

1. Manifold 8" ANSI Class 1502, Base/Frame AISI 304SS  
2. Standard system layout : panel right facing suction.  
3. 4" lug style ANSI 150g class butterfly valve  
4. NEMA 3R rated electrical panel  
Note: panel size will vary with options



BOOSTER PUMP DETAIL  
SCALE: NOT TO SCALE



SECTION C-C  
SCALE: NOT TO SCALE

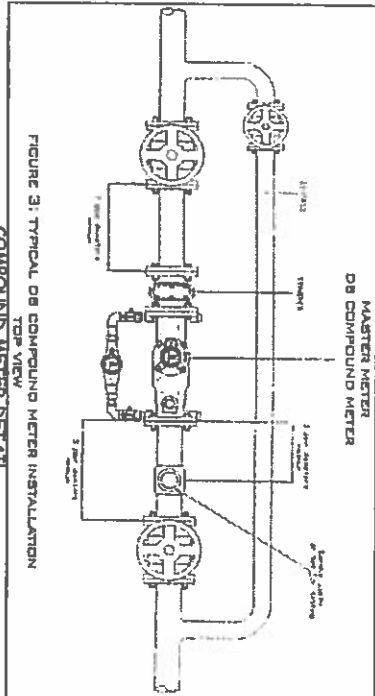
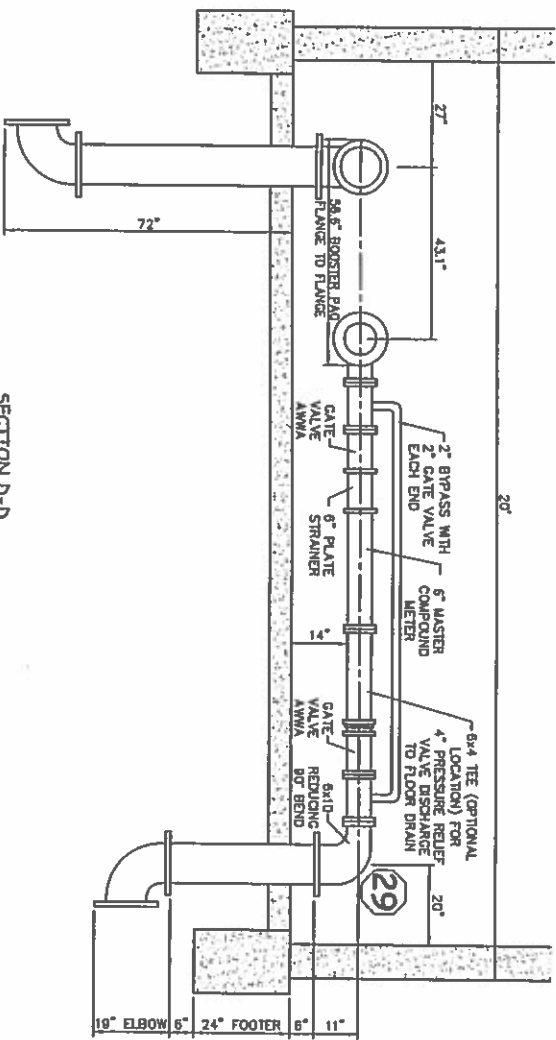


FIGURE 3: TYPICAL DB COMPOUND METER INSTALLATION  
COMPOUND METER DETAIL  
SCALE: NOT TO SCALE



SECTION D-D  
SCALE: NOT TO SCALE

PIPING LEGEND

- |                                       |                                 |
|---------------------------------------|---------------------------------|
| 1 6" PVC                              | 22 6" FLOOR DRAIN               |
| 2 6" D.I. PIPE                        | 23 6" C.I. 90° BEND W/ MJ       |
| 3 6" ROMAX D.I. x PVC COUPLING        | 24 4" HOPE DR II                |
| 4 6" D.I. 90° BEND                    | 25 4" D.I. 90° BEND FL/FL       |
| 5 6" CLASS 150 C-900 PVC PIPE         | 26 4" C.I. TEE MJ/MJ            |
| 6 10" GATE VALVE W/ VALVE BOX         | 27 6" COMPOUND METER            |
| 7 8"x10" D.I. REDUCER                 | 28 10" D.I. PIPE                |
| 8 8" ROMAX D.I. x PVC COUPLING        | 29 10" x 6" REDUCER             |
| 9 8" D.I. 90° BEND                    | 30 10" D.I. TEE                 |
| 10 8" D.I. PIPE                       | 31 10" D.I. 90° BEND            |
| 11 12" x 6" FLANGED REDUCER           | 32 6" C.I. TEE                  |
| 12 12" PVC OVERFLOW PIPE (SDR 26-160) | 33 10" COUPLING                 |
| 13 FABRICATED 6" WELD SLEEVE          | 34 PIPE SUPPORT                 |
| 14 8" D.I. 45° BEND                   | 35 120 GAL HYDRO PNEUMATIC TANK |
| 15 6" C.I. 90° BEND                   | 36 6"x4" C.I. TEE               |
| 16 4" C.I. 90° BEND                   | 37 8" x 6" REDUCER              |
| 17 4" D.I. PIPE                       | 38 6" x 10" REDUCING 90° BEND   |
| 18 6" D.I. 90° BEND W/ MJ             | 39 10" x 6" D.I. TEE            |
| 19 FABRICATED 10" WELD SLEEVE         | 40 4" GATE VALVE                |
| 20 4" PRESSURE RELIEF VALVE           |                                 |

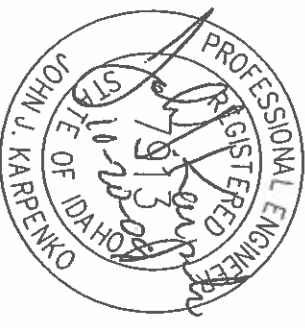
RECORD DRAWINGS

RUEN-YEAGER & ASSOCIATES, INC.

CONSULTING ENGINEERS - LAND SURVEYORS - PLANNERS  
3201 N. HUETTER RD., STE. #102, COEUR D'ALENE, IDAHO 83814 (208)292-0820  
219 PINE ST. SANDPOINT, IDAHO 83864 (208)265-4629



WILD RIDGE  
CONSTRUCTION PLANS  
WATER SYSTEM LAYOUT  
RESERVOIR LAYOUT  
PLAN & PIPING



| NO. | REVISION        | BY  | DATE       | DESIGN BY:      |
|-----|-----------------|-----|------------|-----------------|
| 1   | RECORD DRAWINGS | RSS | 10/16/2009 | RAB             |
|     |                 |     |            | DRAWN BY: SOM   |
|     |                 |     |            | CHECKED BY: JAK |
|     |                 |     |            | SCALE:          |

|                 |                      |
|-----------------|----------------------|
| PROJECT:        | POS1035              |
| CADD FILE NAME: | CO_WaterReservoir_R0 |
| PLOT DATE:      | 10/16/2009           |
| SHEET NUMBER:   | WA24                 |