

AMENDED

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

RECEIVED

JUN 21 2007

WATER RESOURCES
WESTERN REGION

1. Name of Applicant Heartland Homes, LLC Phone (208) 895-8858

Mailing address 2364 S. Titanium, Meridian, ID 83642

2. Source of water supply groundwater which is a tributary of N/A

3. Location of point of diversion is Township 4N Range 1E Sec. 13, in the NW $\frac{1}{4}$,
SW1/4, 1/4, Govt. Lot , B.M., Ada County;

additional points of diversion if any: N/A

4. Water will be used for the following purposes:

Amount 0.24 for irrigation purposes from Mar. 15 to Nov. 15 (both dates inclusive)
(cfs or acre-feet per annum)

Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)

Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)

Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)

Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)

Amount for purposes from to (both dates inclusive)
(cfs or acre-feet per annum)

5. Total quantity to be appropriated is (a) 0.24 and/or (b)
cubic feet per second acre feet per annum

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source 4 ft. wide, 6.5 ft deep and 22 ft. long trench to collect groundwater and divert into a vault via an 18" pipe.

b. Height of storage dam 0 feet; active reservoir capacity acre-feet; total reservoir capacity acre-feet

c. Proposed well diameter is inches; proposed depth of well is feet

d. Is ground water with a temperature of greater than 85°F being sought? No

e. If well is already drilled, when? N/A Drilling firm

Well was drilled for (well owner) Drilling Permit No.

7. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year)

8. Description of proposed uses (if irrigation only, go to item 9):

a. Hydropower; show total feet of head and proposed capacity in kW.

b. Stockwatering; list number and kind of livestock.

c. Municipal; show name of municipality.

d. Domestic; show number of households.

e. Other; describe fully.

9. Description of place of use:

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
4N	1E	13						A				12							12

Total number of acres to be irrigated 12

10. Describe any other water rights used for the same purposes as described above. Yes. 0.40 cfs surface water provided by Boise Valley Irrigation District on a rotation

11. a. Who owns the property at the point of diversion? Heartland Homes, LLC

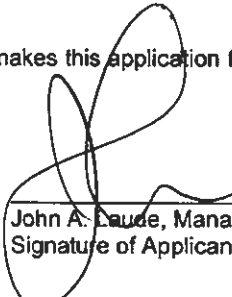
b. Who owns the land to be irrigated or place of use? Heartland Homes, LLC

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: N/A

12. Remarks: Surface water right is delivered four (4) days/week. Surface water will be discharged into the pump vault and will be utilized for irrigation to property. Days that surface water is not delivered, ground water will be delivered to vault and will be used as the irrigation water supply.

13. **MAP OF PROPOSED PROJECT REQUIRED** Attach an 8½"x11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. (A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.)

BE IT KNOWN that the undersigned hereby makes this application for permit to appropriate the public waters of the State of Idaho as herein set forth.


John A. Claude, Managing Member
Signature of Applicant (and title, if applicable)

Received by JR Date 6/21/07 Time 1:40 Preliminary check by JFW.

Fee \$ 250 Received by JR # W035529 Date 6/21/07

Publication prepared by JB Date 2-11-09 Published in IDAHO STATESMAN
Publication approved DATE: Date FEBRUARY 19 & 26, 2009

PEBBLE CREEK SUBDIVISION
GROUNDWATER USE CALCULATIONS

SURFACE WATER RIGHT IS 20 SHARES
1 SHARE IS EQUAL TO 0.02 cfs

$$20 \text{ SHARES} \times 0.02 \frac{\text{ft}^3}{\text{s}} / \text{share} = 0.40 \text{ cfs}$$

WATER IS DELIVERED FOR 25.6 hrs/week, TOTAL HEAD OF
LATERAL 23 OF BOISE VALLEY IRRIGATION CO. IS DELIVERED TO
SITE, WHICH IS 126 SHARES OR 2.52 cfs

$$25.6 \frac{\text{hrs}}{\text{week}} \times 2.52 \frac{\text{ft}^3}{\text{s}} \times \frac{3600 \text{ sec}}{\text{hr}} = \underline{232,243 \text{ cf/week}} \leftarrow$$

∴ 469,800 cf is discharged into groundwater EACH WEEK.

GROUNDWATER USED EACH WEEK AT 0.24 cfs

MITIGATE WITH GROUNDWATER 5.4 Days at 18 hrs/day

$$18 \frac{\text{hrs}}{\text{day}} \times 0.24 \frac{\text{ft}^3}{\text{s}} \times \frac{3600 \text{ s}}{\text{hr}} \times 5.4 \text{ Days} = \underline{87,091 \text{ ft}^3}$$

THEREFORE THERE IS A SURPLUS OF WATER BEING DISCHARGED INTO
THE GROUND

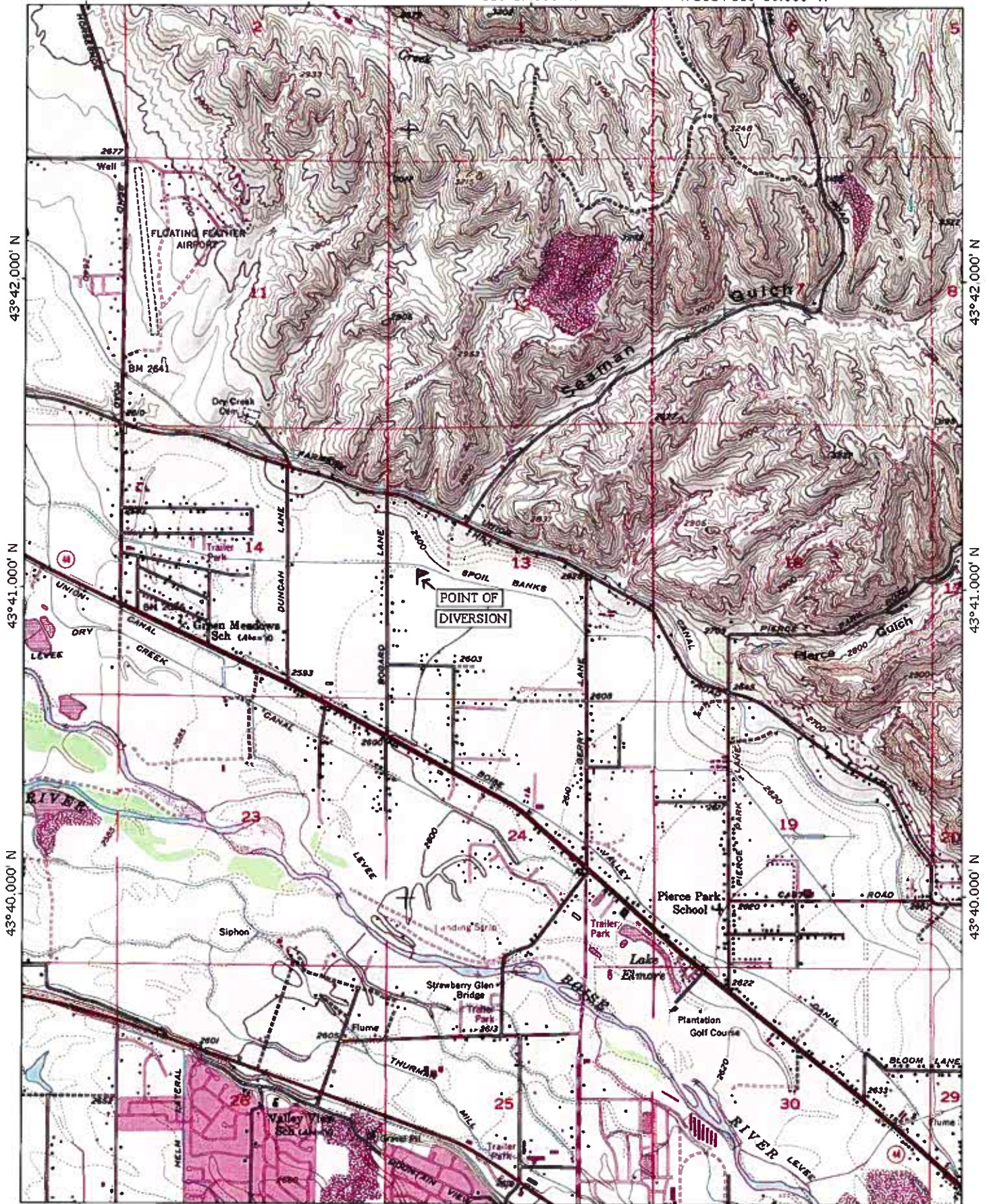
SEC. 13, R1E, T4N, ADA Co.

116°19.000' W

116°18.000' W

116°17.000' W

WGS84 116°16.000' W



43°42.000' N

43°41.000' N

43°40.000' N

43°42.000' N

43°41.000' N

43°40.000' N

116°19.000' W

116°18.000' W

116°17.000' W

WGS84 116°16.000' W

TN*
154°

Map created with TOPOI® ©2001 National Geographic (www.nationalgeographic.com/topo)

63-32701

Heartland Homes LLC.

2364 S. Titanium Pl.
Meridian, ID 83642

Office: 895-8858
Fax: 895-0714

January 20, 2009

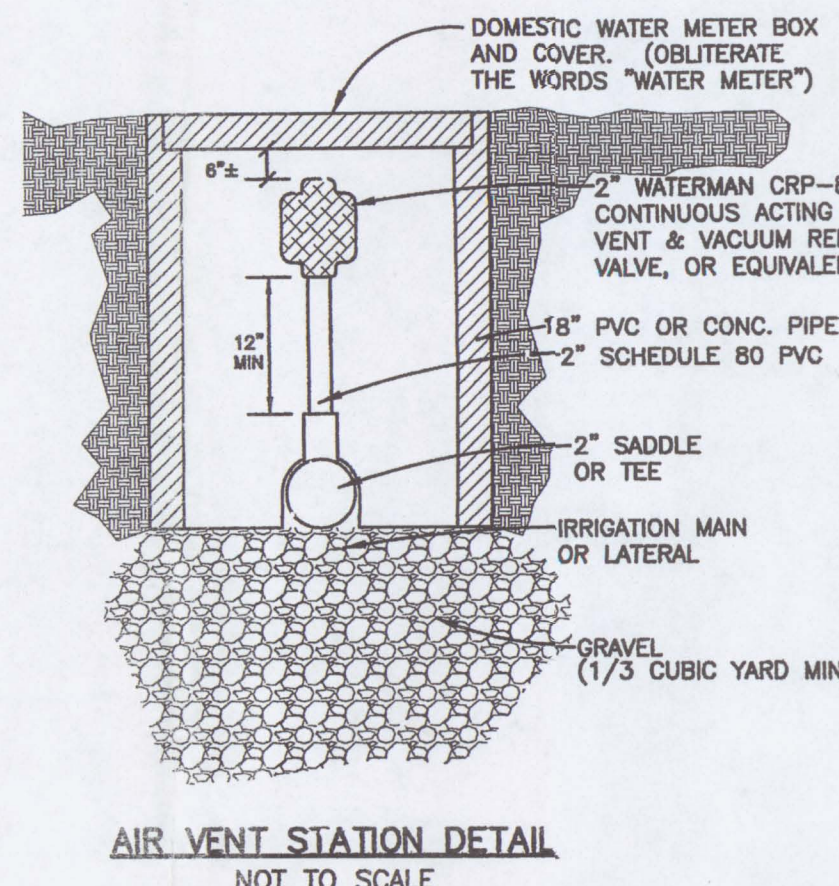
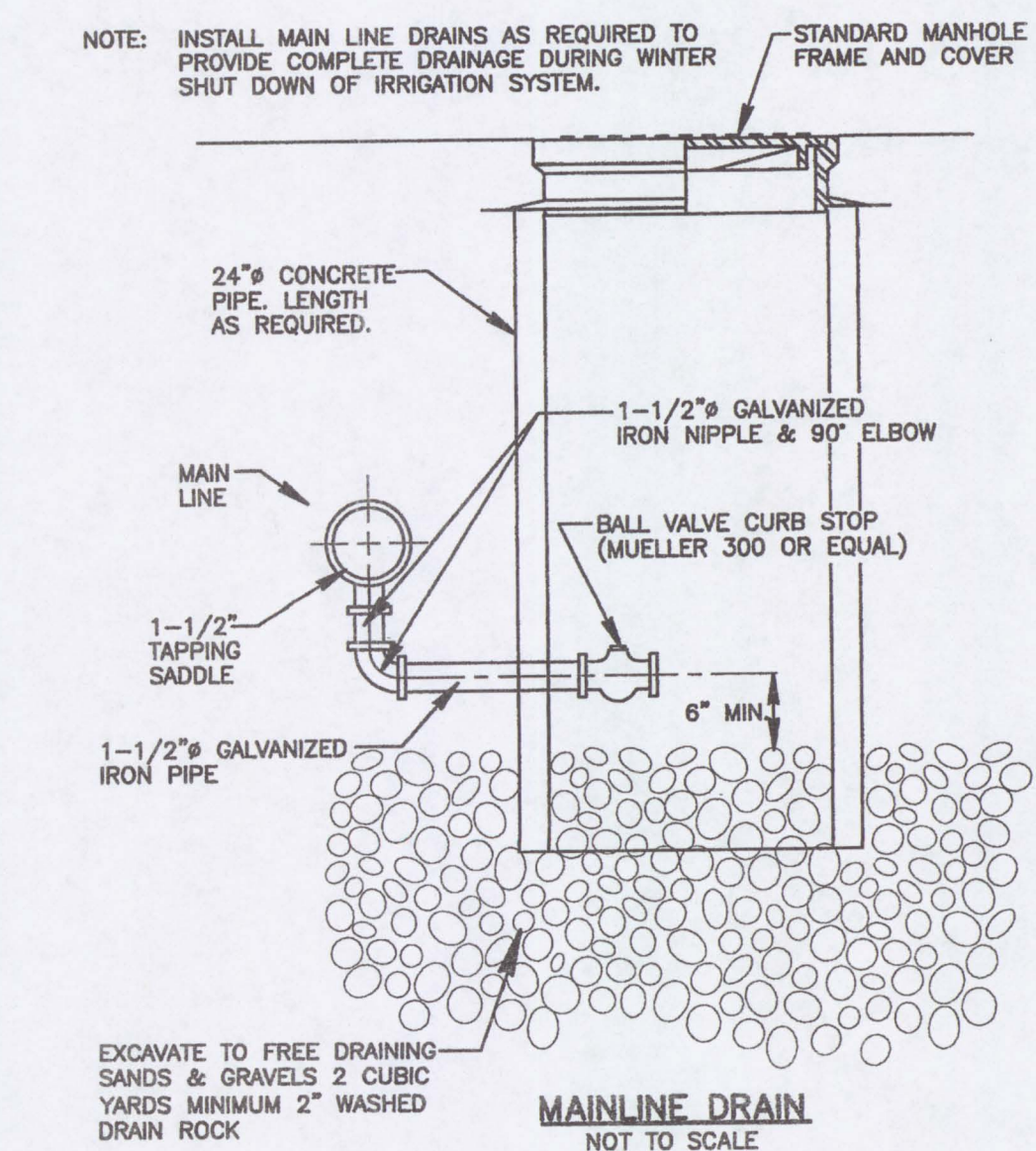
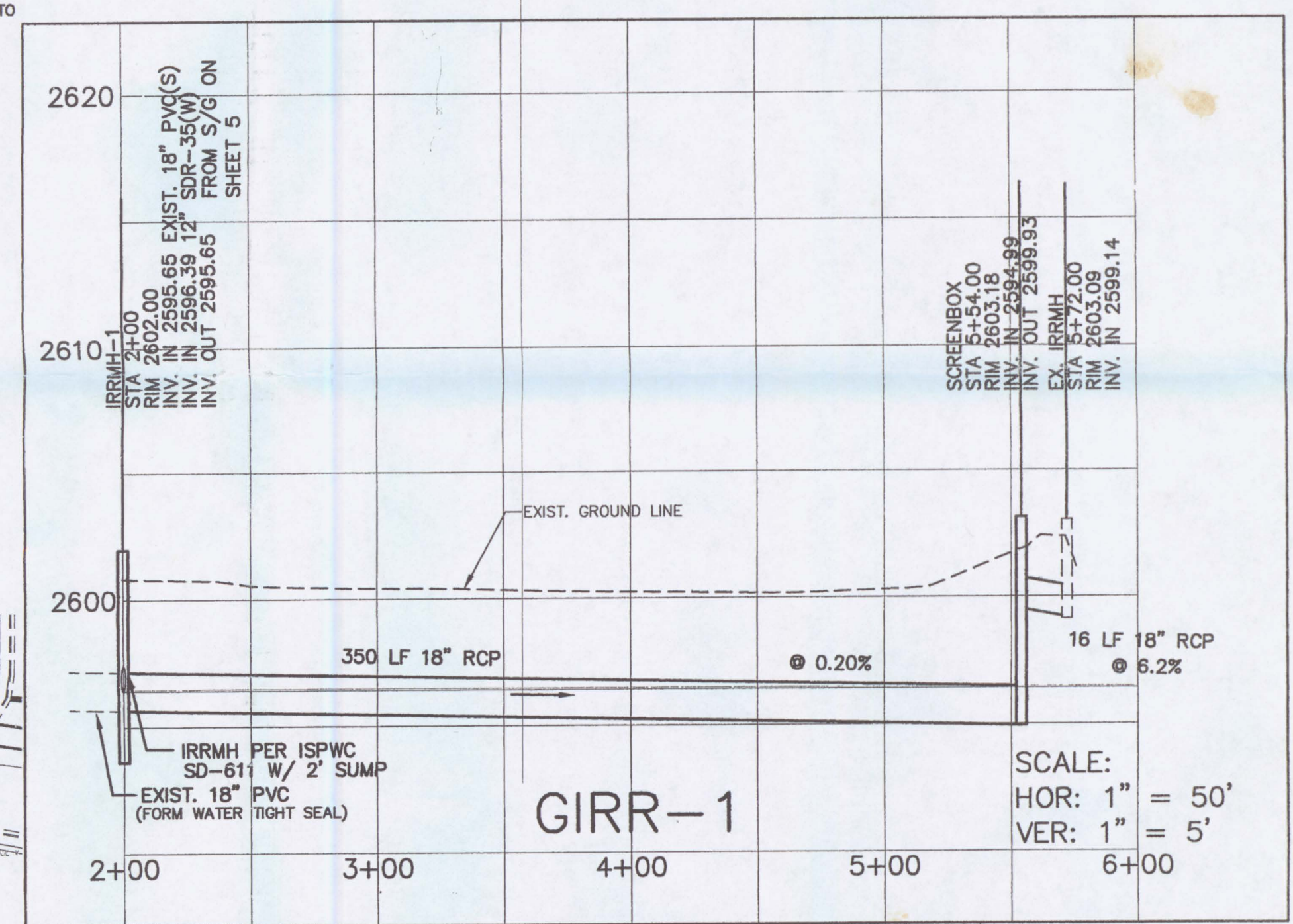
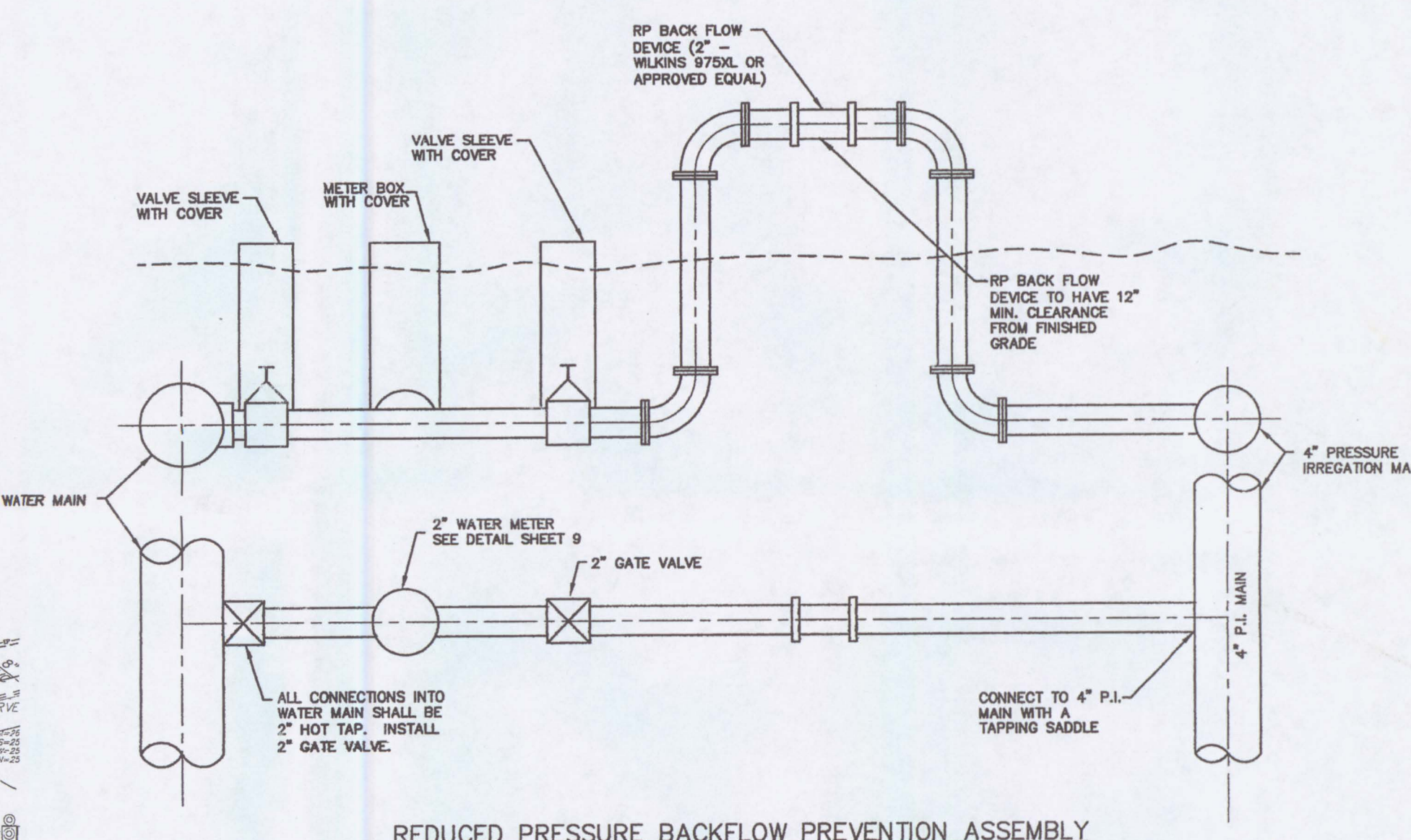
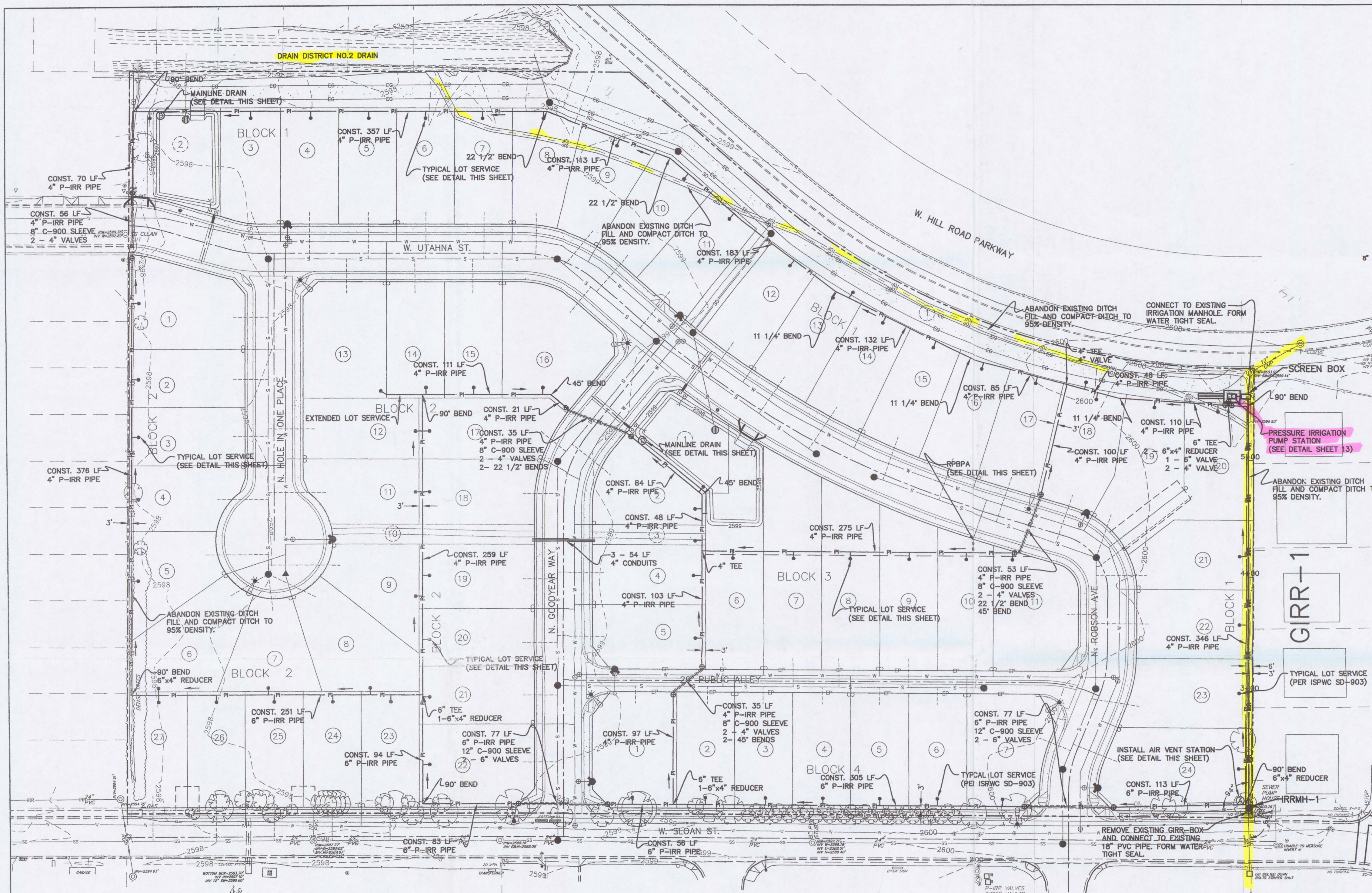
Dear: John Westra

The purpose of utilizing the 20 shares of irrigation water available to Pebblecreek Subdivision is to recharge the ground water used by the irrigation pump station. If not used by Pebblecreek Subdivision, the water will carry on to the west and discharge into the same drain ditch located at Bogart Lane and Sloan St. This was confirmed per my phone conversation with Mitch Coburn, a board member with Boise Valley Irrigation Lateral # 23 on Wednesday January 14th 2009. If you have any further questions please call.

Sincerely,



Shawn Brownlee

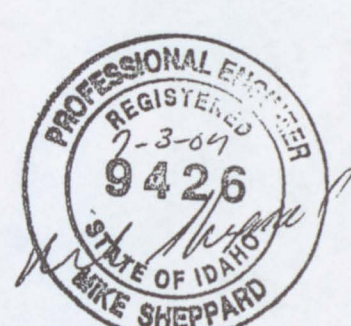
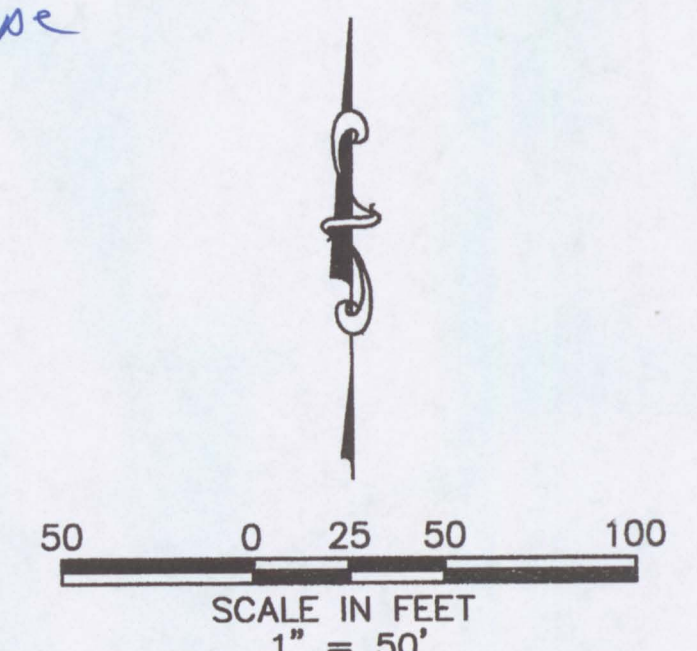


Elementary School
Shadow Hills
8301 W. Sloan St.

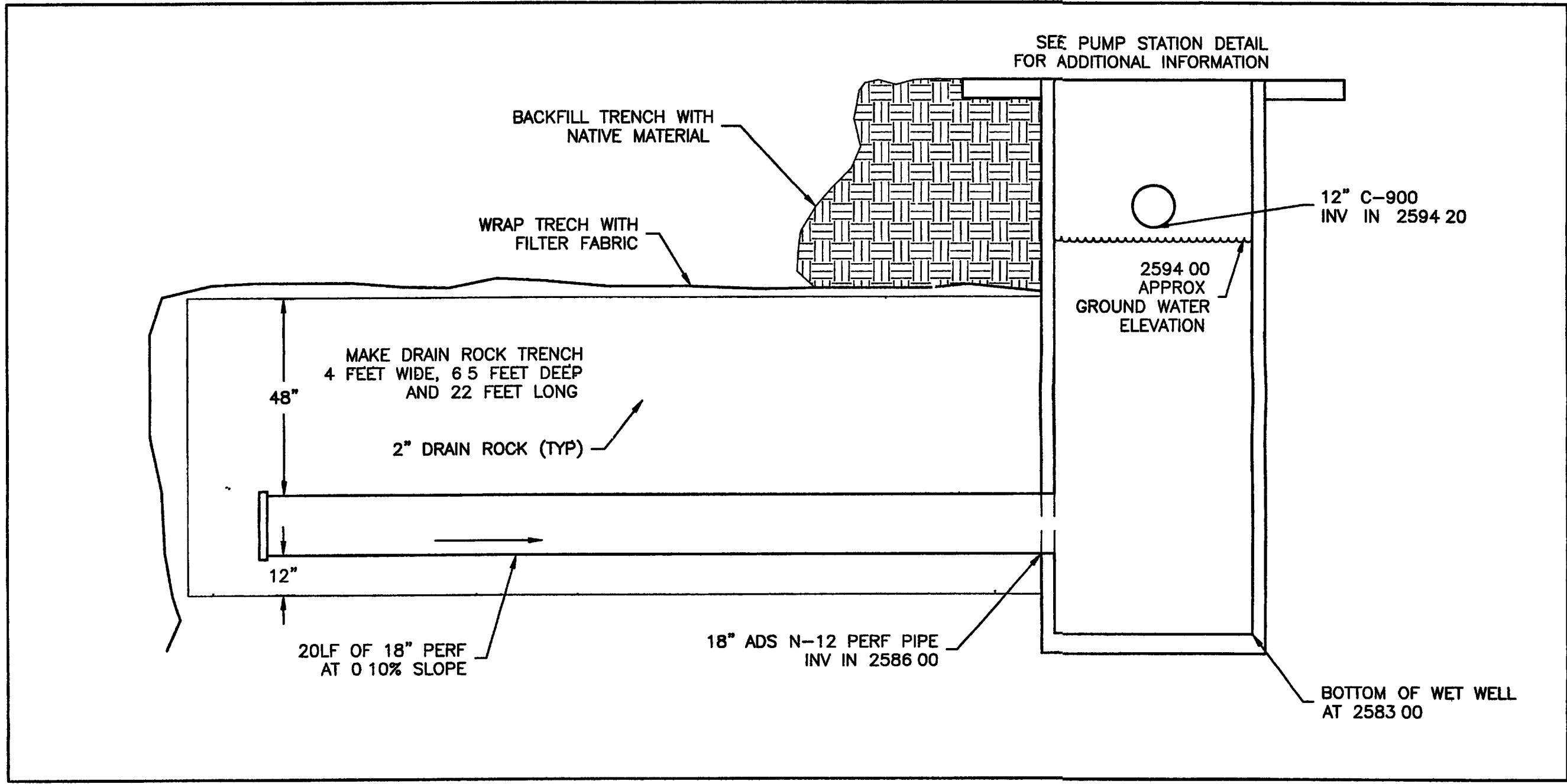
Heartland Homes LLC installed the 18" RCP (highlighted) to carry irrigation water from lateral #23 to fill a vault system. The purpose is to recharge the ground water used by the irrigation pump station.

Existing 18" irrigation pipe from lateral #23

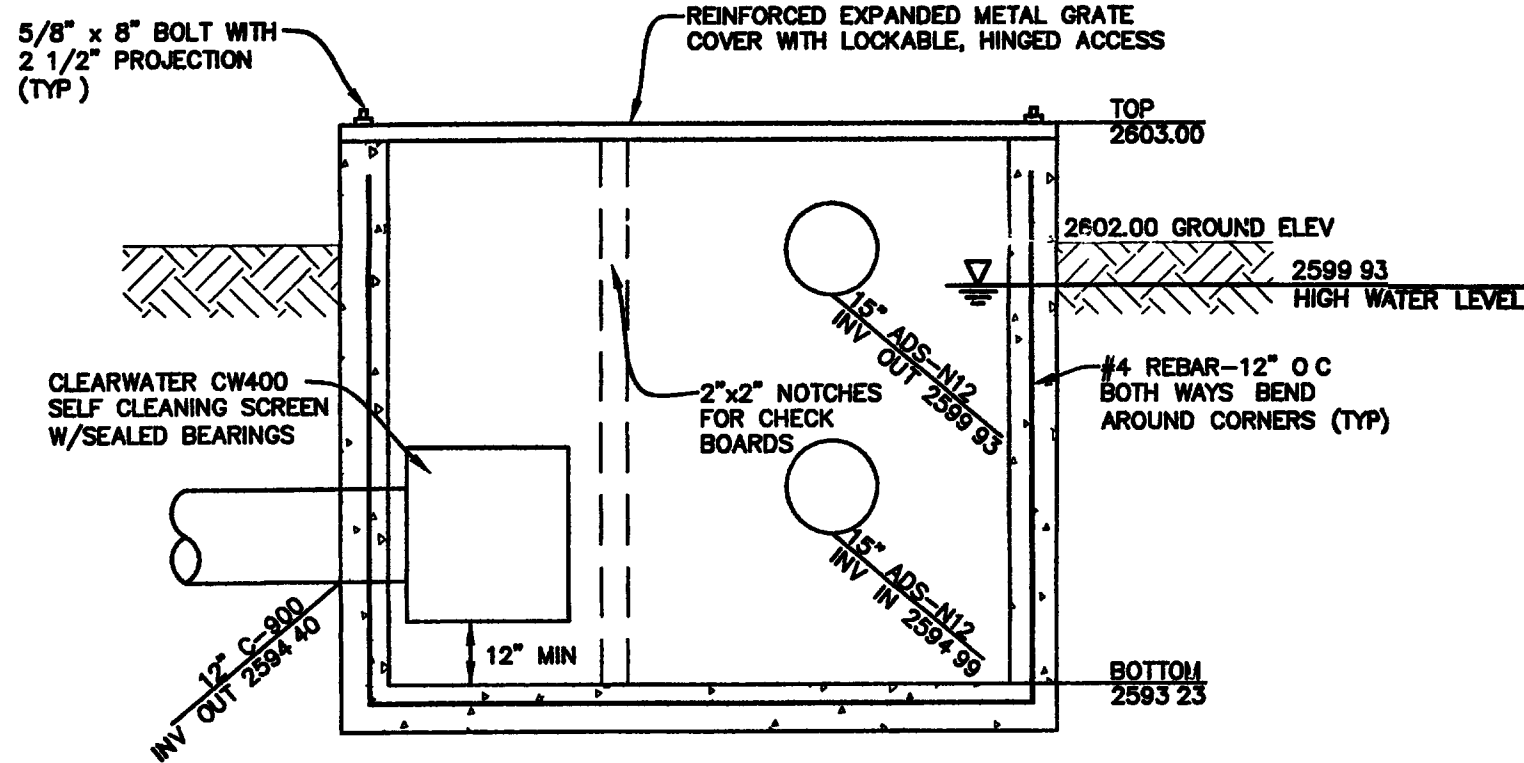
Gravity Irrigation Pipe



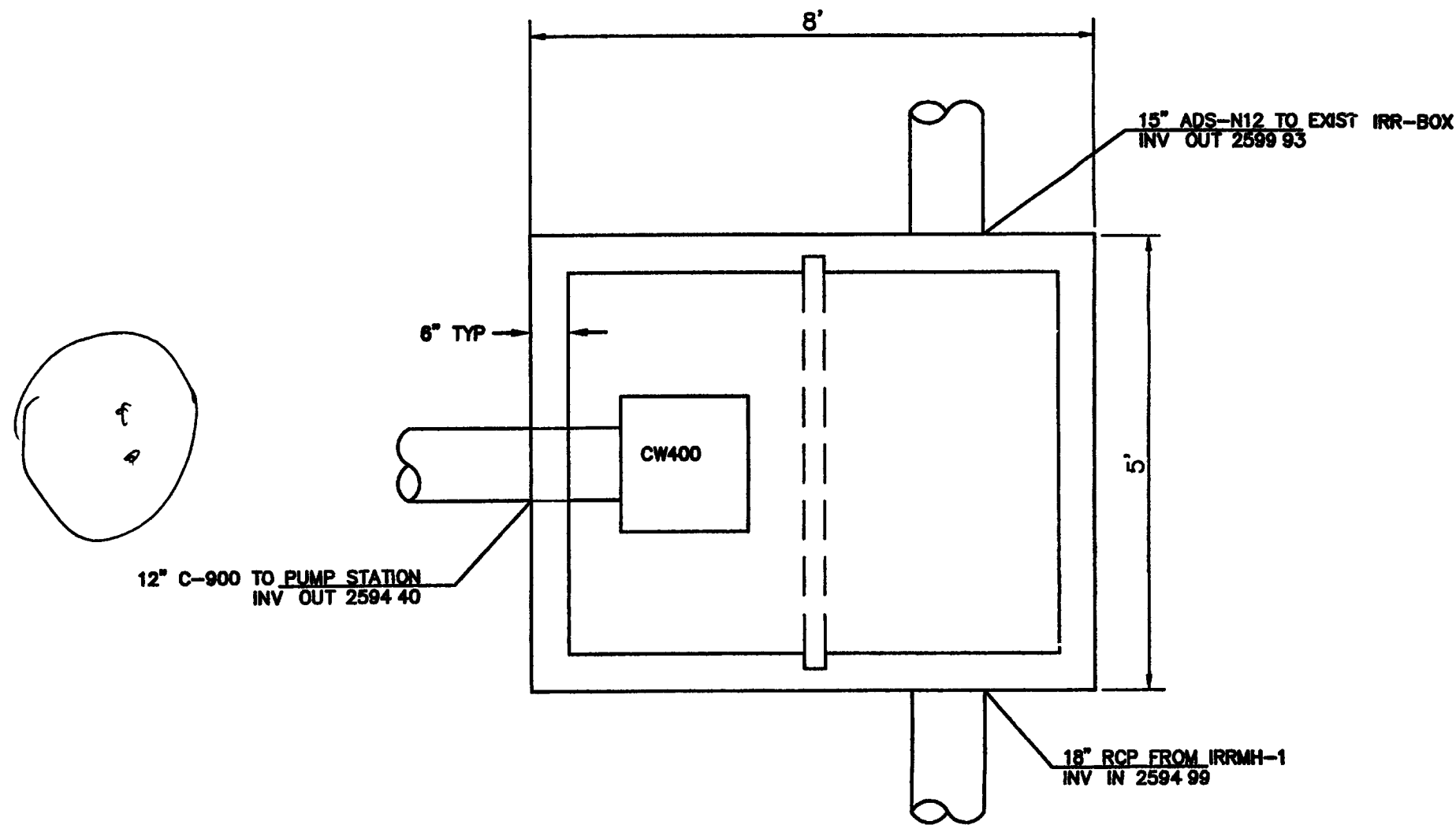
REVISED		
NO.	DATE	DESCRIPTION
1.	5-29-07	REVISIONS PER IRRIGATION DISTRICT
2.	6-14-07	REVISIONS PER ACHD COMMENTS
3.	7-03-07	REVISIONS PER BOISE CITY COMMENTS
DRAWN BY: RLC CHECKED BY: CHAD S. KINKELA P.E. PROJECT NO. C26050 DATE: 02-25-07		
PRESSURE & GRAVITY IRRIGATION PLAN		
PEBBLECREEK SUBDIVISION		
HEARTLAND HOMES		
Bailey Engineering, Inc.		CIVIL ENGINEERING PLANNING CADD
1500 E. IRON EAGLE DRIVE		TEL 208-938-0013
EAGLE, ID 83616		FAX 208-938-0516
SHEET 12		



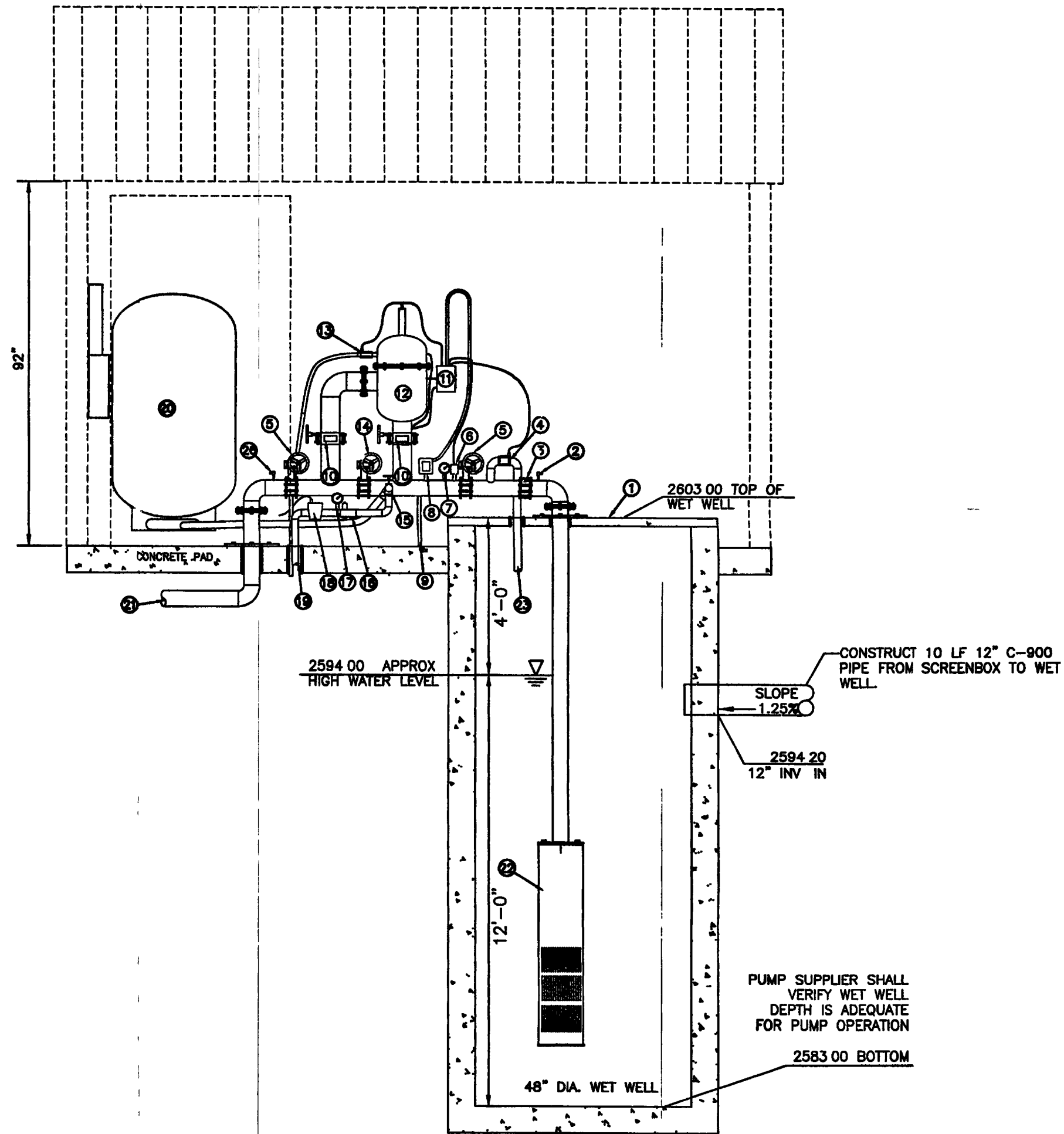
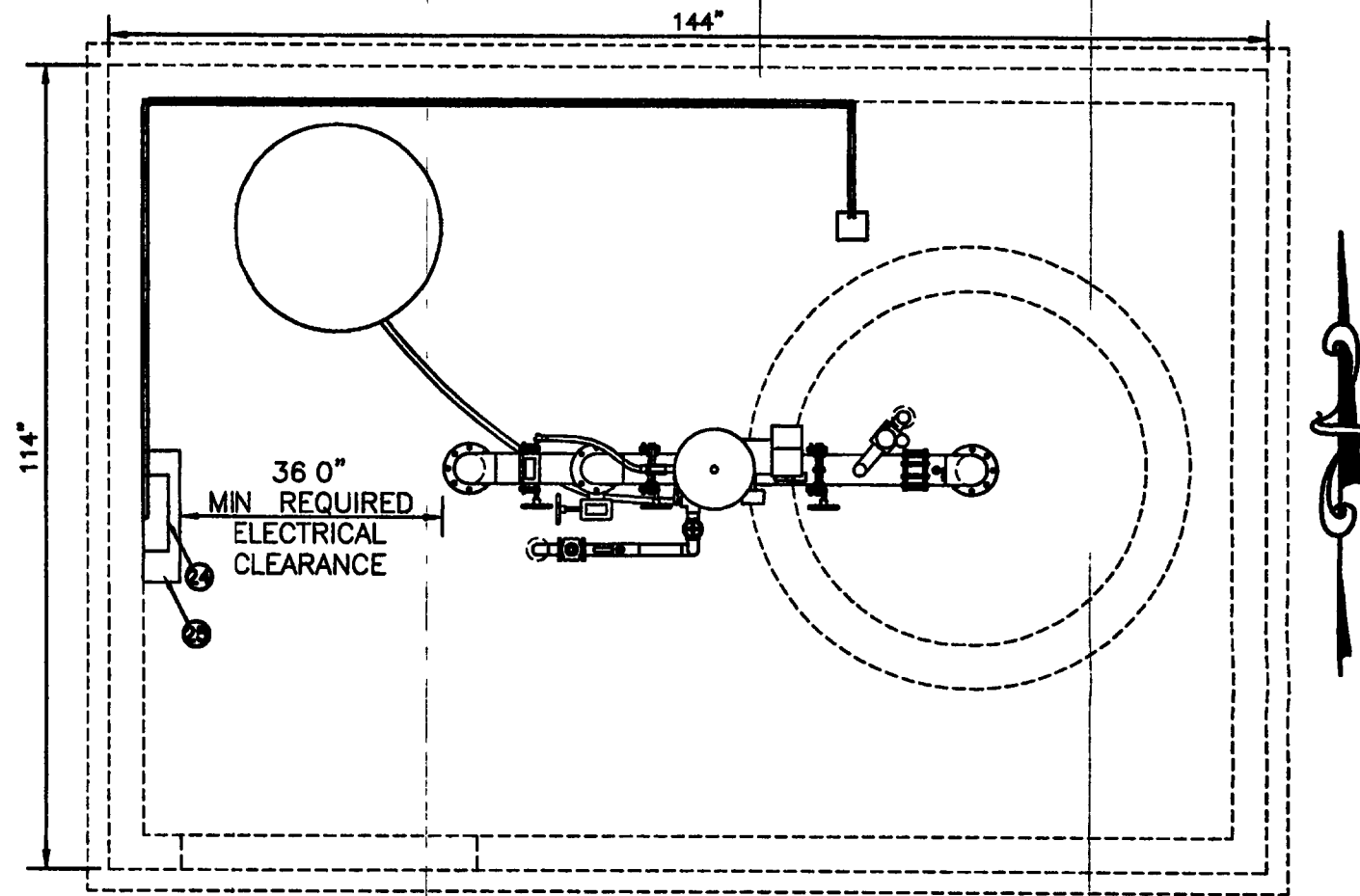
**PUMP STATION
WET WELL PROFILE**
NOT TO SCALE



**SCREENBOX
SECTION**
NOT TO SCALE



**SCREENBOX
PLAN**
NOT TO SCALE



PUMP STATION NOTES:

- ALL CONSTRUCTION SHALL BE COMPLETED IN CONFORMANCE WITH IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPCW), NAMP MERIDIAN IRRIGATION DISTRICT, AND ANY OTHER PLUMBING OR ELECTRICAL CODES THAT MAY BE APPLICABLE.
- THE HOMEOWNER'S ASSOCIATION CONTACT IS DYER DEVELOPMENT © (2008) 895-8858. THIS PUMP STATION HAS BEEN DESIGN TO BE OWNED AND MAINTAINED BY THE CITY OF BOISE
- VFD PUMP CONTROL PANEL THE VARIABLE FREQUENCY DRIVE PUMP CONTROL PANEL SHALL BE MANUFACTURED AS FOLLOWS THE VARIABLE FREQUENCY DRIVE SHALL BE AN ABB RATED FOR THE FULL LOAD AMPERAGE OF THE PUMP MOTOR THE VFD SHALL INCLUDE THE PUMP AND FAN MACRO THE PUMP STATION SHALL INCLUDE A SERVICE ENTRANCE DISCONNECT MANUAL SELECTORS, HOA SELECTORS AND RESET BUTTONS FOR EACH DEVICE, AS WELL AS STATUS LIGHTS AND A SPEED POTENTIOMETER SHALL BE INSTALLED ON THE DOOR OF THE CONTROL ENCLOSURE. THE ENTIRE PUMP CONTROL PANEL SHALL BE UL LISTED AND RATED FOR OUTDOOR INSTALLATION PROGRAMMABLE LOGIC CONTROLLER THE PLC SHALL BE INSTALLED, PROGRAMMED, AND SERVICED BY THE PUMP STATION MANUFACTURER PROGRAMMABLE LOGIC CONTROLLER (PLC) FOR ALL SWITCHING AND TIMING FUNCTIONS NOT PERFORMED BY THE VFD THE PLC SHALL ALSO PERFORM THE FOLLOWING FUNCTIONS:
a) LOW PRESSURE, HIGH PRESSURE, AND LOW WATER SHUTDOWN "USER SETTABLE"
b) LOW FLOW SHUT-DOWN CONTROL OF AUTOMATIC VALVE SUPPLYING INTAKE SCREEN SYSTEM
c) FUTURE TIMING AND CONTROL CHANGES THAT MAY BE REQUIRED TO FINE TUNE THE PUMP STATION.
- THE IRRIGATION PUMP SHALL BE 3 PHASE 480 VOLT THE MAIN PUMP (7.5 hp MOTOR) SHALL DELIVER 76 GPM AND OPERATE WITH A VFD (VARIABLE FREQUENCY DRIVE) WITH A NORMAL PRESSURE OF 65 PSI (150 FT TDH) THE VFD SHALL BE AN ABB ACS800, OR APPROVED EQUAL, AS PER IRRIGATION DISTRICT STANDARDS
- PUMP CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER AN OPERATION AND MAINTENANCE MANUAL FOR THE PUMPS, CONTROL PANEL, AND ALL PUMP STATION APPURTENANCES. THE OPERATION AND MAINTENANCE MANUAL SHALL INCLUDE SERIAL NUMBERS OF ALL PUMP STATION COMPONENTS
- PUMP CONTRACTOR SHALL START UP, SHUT DOWN, AND WARRANTY PUMP STATION THROUGH THE FIRST FULL IRRIGATION SEASON START UP AND SHUT DOWN PROCEDURES SHALL ALSO BE INCLUDED IN THE OPERATIONS AND MAINTENANCE MANUAL.
- PUMP CONTRACTOR TO PROVIDE SHOP DRAWINGS OF PUMP CONFIGURATION AND PLUMBING TO BE USED IN RECORD DRAWINGS
- CONTRACTOR TO PROVIDE AN ENCLOSURE OVER PUMP STATION HARDWARE AND CONTROLS. ENCLOSURE TYPE AND MATERIALS TO BE APPROVED BY OWNER CLOSURE SHALL PROVIDE ACCESS TO THE PUMPS FOR REMOVAL AND MAINTENANCE.
- CONTRACTOR TO VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.

LEGEND

- ENCLOSED SKID (100% solid reflex coated)
- 1/4" BALL VALVE
- 4" CHECK VALVE
- 2" PRESSURE SUSTAINING VALVE
- 4" GEAR OPERATED BVF
- TRANSDUCER
- PRESSURE GAUGE
- LOW PRESSURE GAUGE
- MANIFOLD SUPPORT
- 4" GEAR OPERATED BVF
- CONTROLLER
- ORIVAL - ORG SERIES INLINE SCREEN
- 1" RINSE VALVE
- SYSTEM BYPASS VALVE
- 1-1/4" BALL VALVE
- PRESSURE REDUCING VALVE
- PRESSURE GAUGE
- SOLENOID VALVE
- INTAKE SCREEN WATER SUPPLY VALVE
- "WEL FLOW" PRESSURE TANK
- 4" DISCHARGE PIPE
- FRANKLIN PUMP MODEL 105675-10
- PRESSURE RELIEF DISCHARGE PIPE
- ABB CONTROL PANEL
- SYSTEM CONTROL PANEL
- 1/4" PORT

**Plans Are Accepted For Public
Street Construction**

By stamping and signing the improvement plans the Registered Engineer ensures the District that the plans conform to all District policies and standards. Variances or waivers must be specifically and previously approved by the District in writing. Acceptance of the improvement plans by the District does not relieve the Registered Engineer of these responsibilities.

By _____ DATE _____
ADA COUNTY HIGHWAY DISTRICT

REVISED		
NO	DATE DESCRIPTION	
1	5-29-07 REVISIONS PER IRRIGATION DISTRICT	
2	7-05-07 REVISIONS PER BOISE CITY PUBLIC WORKS	
3 8-22-07 REVISED PUMP STATION DETAIL		
BAILEY Engineering, Inc. CIVIL ENGINEERING PLANNING CADD 1500 E IRON EAGLE DRIVE TEL 208-938-0013 EAGLE ID 83618 FAX 208-938-0518		
DRAWN BY: RLC CHECKED BY: CHAD S KINKELA P.E. PROJECT NO. C28050 DATE: 02-25-07		
PRESSURE IRRIGATION PUMP DETAILS		
PEBBLECREEK SUBDIVISION		
HEARTLAND HOMES		

Buffington, Denise

From: Buffington, Denise
Sent: Wednesday, February 11, 2009 9:16 AM
To: legals@idahostatesman.com
Subject: Legal Notices
Attachments: Ada County Ads - Cover Letter.RTF; 63-32701 Ad.RTF; 63-33037 Ad.RTF

Attached please find (2) legal notices being submitted for publication. Please contact me if you have any questions or if you are not able to run the ads on the dates listed.

Thank You,

Denise Buffington
Administrative Assistant
Dept of Water Resources
Western Region

2/11/2009

February 11, 2009

Legal Notice Department
IDAHO STATESMAN
PO BOX 40
BOISE ID 83707

RE: Application for Permit No. 63-32701 & 63-33037

Dear LEGAL NOTICE DEPARTMENT:

Enclosed you will find a legal notice which we wish to have published in your newspaper on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 03/09/2009. Your cooperation is appreciated.

Sincerely,

Denise Buffington
Administrative Assistant

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-32701

HEARTLAND HOMES LLC
2364 S TITANIUM PL
MERIDIAN ID 83642

Point(s) of Diversion NWSW S13 T04N R01E ADA County Source GROUND WATER
Tributary To BOISE RIVER

Use: IRRIGATION 03/01 To 11/15 0.24 CFS

Total Diversion: 0.24 CFS

Date Filed: 06/21/2007

Place Of Use: IRRIGATION

T04N R01E S13 NWSW

Number of Acres 12

Remark: Water bearing zone to be appropriated is from 5 to 10 feet.
Proposal includes shallow ground water source near the Boise River for
irrigation of 64 residential lots in the Pebble Creek Subdivision.
Mitigation proposed is 20 shares of Boise Valley Irrigation Ditch Company
surface water diverted through lateral #23 and drain return to the Boise River.

Permits will be subject to all prior water rights. Protests may be submitted based on the criteria of Sec 42-203A, Idaho Code.

Any protest against the approval of this application must be filed with the Director, Dept. of Water Resource, Western Region, 2735 Airport Wy, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 03/09/2009. The protestant must also send a copy of the protest to the applicant.

DAVID R. TUTHILL, JR., Director

Published on February 19th & 26th, 2009

Buffington, Denise

From: Buffington, Denise
Sent: Wednesday, February 11, 2009 10:48 AM
To: 'waterdistrict63@qwestoffice.net'
Subject: Comment Letter
Attachments: 63-32701 Letter to WD63.doc; 63-32701 App.pdf; Watermaster Rec form.pdf

Please review the attached information and comment as necessary. Please contact our office if you have any questions regarding the attached information.

Thank You,

Denise Buffington
Administrative Assistant
Dept of Water Resources
Western Region

2/11/2009

1

REX BARRIE, WATERMASTER 63
10769 W STATE ST
PO BOX 767
STAR ID 83669

Re: Application for Permit No(s). 63-32701

Dear Watermaster:

Attached are copies of one or more applications that may be of interest to you.

Please complete the necessary recommendation form(s) and return to this office within 21 days of the date of this letter. Regional review of unprotested applications can be completed as soon as the final protest period is past; your prompt response to this request is appreciated so that your recommendation can be considered during regional review.

If after 21 days from the date of this letter the Department has not received your written recommendation, the Department will presume you do not oppose approval of the application and you have no comments for the Department to consider.

However, possible approval of the application(s) will include conditions of approval about standard controls for uses in your water district (lockable, measureable diversion works, etc).

Please contact this office at 334-2190 if you have any questions regarding the application(s).

Sincerely,

Denise Buffington
Administrative Assistant

Enclosure Copy of Applications(s)
Watermaster Recommendation Form(s)

Pebblecreek
C26050
Jrr.

Boise Valley Irrigation

Lateral 23#

**Requested by: Mike Sheppard
1472 E. Iron Eagle Dr.
Eagle ID. 83616**

The Board of Directors of Lateral 23# have reviewed and approve of the use of irrigation water from lateral 23# to fill a vault system for Heartland Homes Subdivision located on Sloan Street. The 20 shares of water will be delivered on a scheduled water rotation based on the 1 hr. 17 min. per share formula used by the share holders of Lateral 23#. The rotation advances 30 hrs. every year .

**Board Member
Mitch Coburn**

Mitch Coburn

- ☒ **SCANNED TO COMPUTER FILE**
- ☒ **COPIED TO PROJECT FILE**
- ☒ **COPIED TO: MS/DC/KB/AS-BU**

MEMORANDUM

____ Office Visit

☒ Telephone

____ Meeting

TO 63-32701
FROM SL
DATE 9/15/08
RE CONSULTANT CONTACT

Mrs. A.J. Lopez & Betsy Enger called.

Mike Sheppard is now with City of
is no longer the contact person.

consultant
i.e.



Contact A.J. when start processing & see
who consulting engineer is → 938-0013.

Will need d'base update when confirmed
@ contact info.

Bailey Engineering, Inc.
CIVIL ENGINEERING|PLANNING|CADD

RECEIVED

JUN 21 2007

WATER RESOURCES
WESTERN REGION

DATE: June 6, 2007

TO: Mr. Steve Lester
IDWR-Western Region
2735 Airport Way
Boise, Idaho 83705-5082

RE: **Pebblecreek Subdivision**

Dear Steve:

On behalf of our client, Heartland Homes, LLC., Bailey Engineering is requesting a new groundwater right for a shallow aquifer in the amount of 0.24 cfs. The subdivision site encompasses 12.12 ac.

The development of this property will entail the construction of a pressure irrigation pump station. The pump station will use the lands surface water right, which is on weekly rotation and then use groundwater to mitigate the surface irrigation water when the water is not delivered to the site. As can be seen from the attached calculations there is a zero net effect to the groundwater.

Attached is a copy of the irrigation approval letter.

If you have any questions, please contact me at 938-0013.

Sincerely,



Mike Sheppard, P.E.

cc: File #C26050

Transmittal

RECEIVED

JUN 21 2007

WATER RESOURCES
WESTERN REGION

To: Steve Lester/IDWR

From: Mike Sheppard, P.E.

2735 Airport Way

Boise, ID 83705

Via:

☐ Pick up by

☐ U.S. Postal

☐ Fleet Street

☒ Other MS

Date: June 21, 2007

Re: Pebblecreek Subdivision (C26050)

Attached:

- **Cover Letter**
- **Irrigation Approval Letter from Lateral 23#**
- **Groundwater Use Calculations**
- **application for Permit + \$250.00 check**
- **Topo map of area**

Comments:

For your review and approval. Thank you!

Received by: _____

Mileage:

Start

End