

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No. **63-31504**

1. Owner: City of Nampa Phone No. (208) 465-2200

Current Address: 411 3rd St. S., Nampa, Idaho, 83651

2. Accompanied by: Albert Garcia EXAM DATE: November 15, 2007

Address: _____ Phone No _____

Relationship to Permit Holder: City of Nampa Waterworks Division employee

3. Source: groundwater tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: other City of Nampa irrigation water rights

2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			SW	SE	25	3N	2W	Canyon	field exam; GPS*; well tag #D0029058

* LAT = 43.561741N LONG = 116.517967W (NAD 1983)

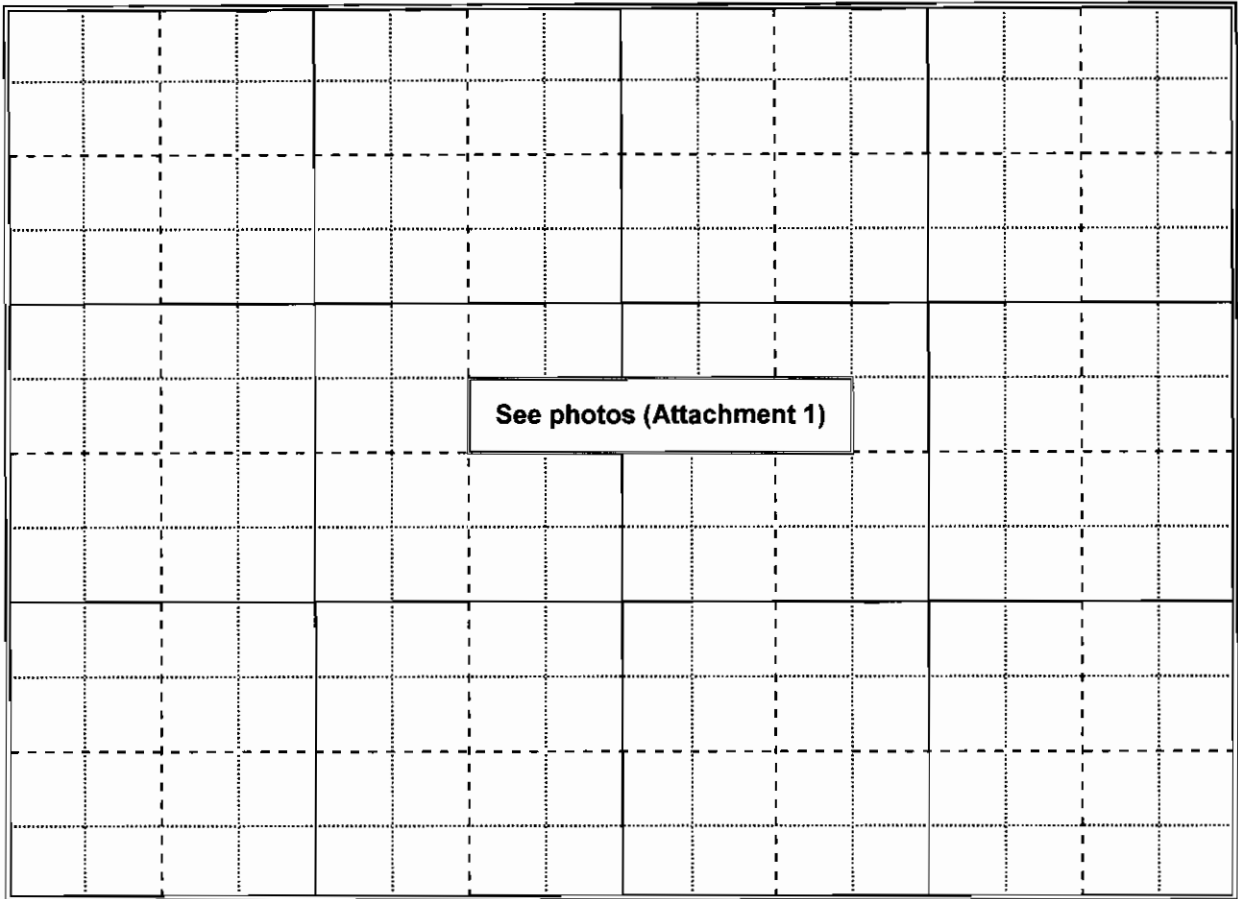
2. Place(s) of Use:

Indicate Method of Determination existing digital boundary

TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Within the service area of the City of Nampa

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe (id) as applicable.



Scale: 1" = _____

☒ Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and place(s) of use (required) (see Attachment 4)

☐ Aerial Photo Attached (required for irrigation of 10+ acres)

☒ Photo of Diversion and System Attached (see Attachment 1)

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Amity Ave. well	Franklin	100	unknown	Goulds/Model 11CLC	submersible

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Pump Curve						

2. **Measurements:** 1400 gpm (from pump curve, Attachment 3)

E. NARRATIVE/REMARKS/COMMENTS

The well and well house (see Attachment 1, photo of well house) are located in the southeast corner of the parking lot for the Crossroads Plaza office park, near the corner of Grays Ln. and Amity Ave. in Nampa. The well was drilled in 2003 by Riverside Inc. to a total depth of 260' (see Attachment 2, Well Driller's Report). The yield during the 4-hour pump test was 2300 gpm (~5.12 cfs).

Water is pumped from 170' with a 100-hp submersible pump and delivered through approximately 20' of 12" pipe to the City of Nampa irrigation distribution system (see Attachment 1). The water is used for irrigation within the City of Nampa service area.

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method: Pump Curve

$$1400 \text{ gpm} \times 0.00223 \frac{\text{cfs}}{\text{gpm}} = 3.12 \text{ cfs}$$

Goulds Pump, Model 11CLC, with 7.38" impeller is designed to discharge 1400 gpm at 178' TDH.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

Not applicable

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Municipal	3/1	11/15	3.12	
Totals:			3.12	

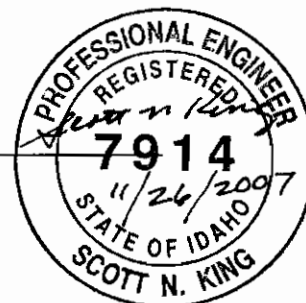
2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above X None
___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ Other

I. AUTHENTICATION

Field Examiner's Name SCOTT N KING Date _____

Reviewer _____ Date _____



ATTACHMENT 1 – Photos



Photo 1 - Well house

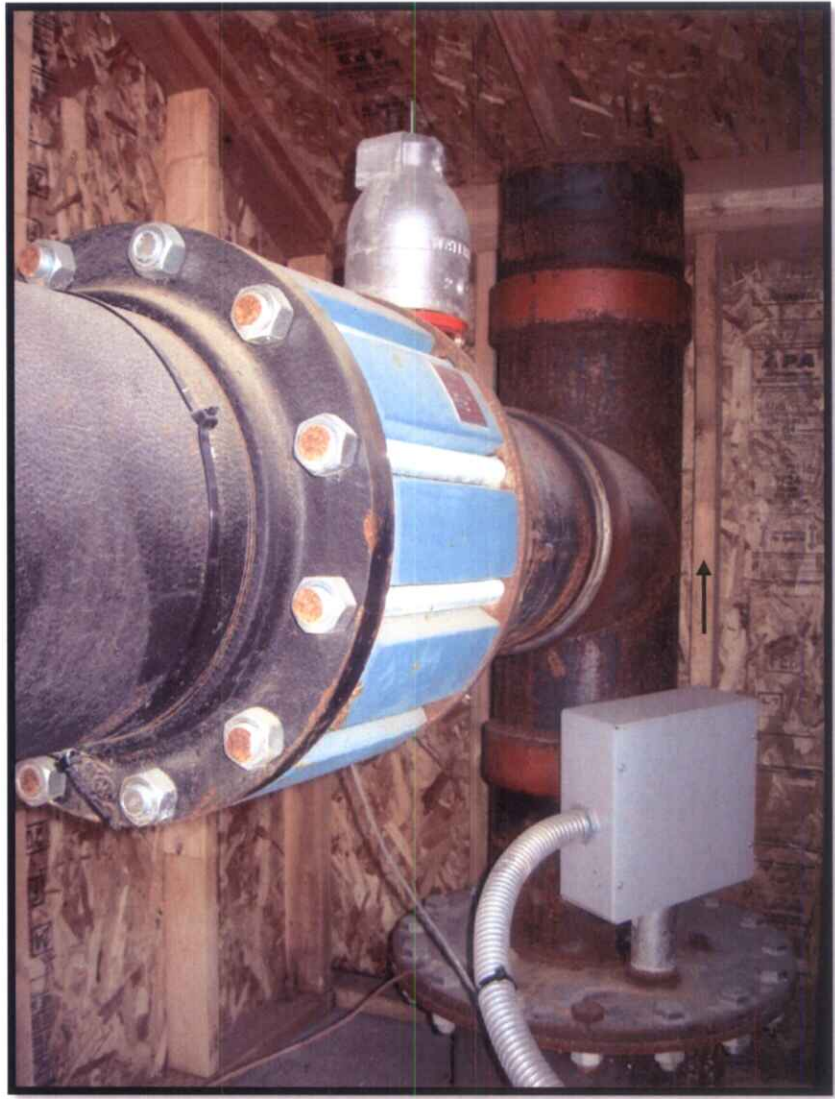


Photo 2 - Well head



Photo 3 - Delivery from well head

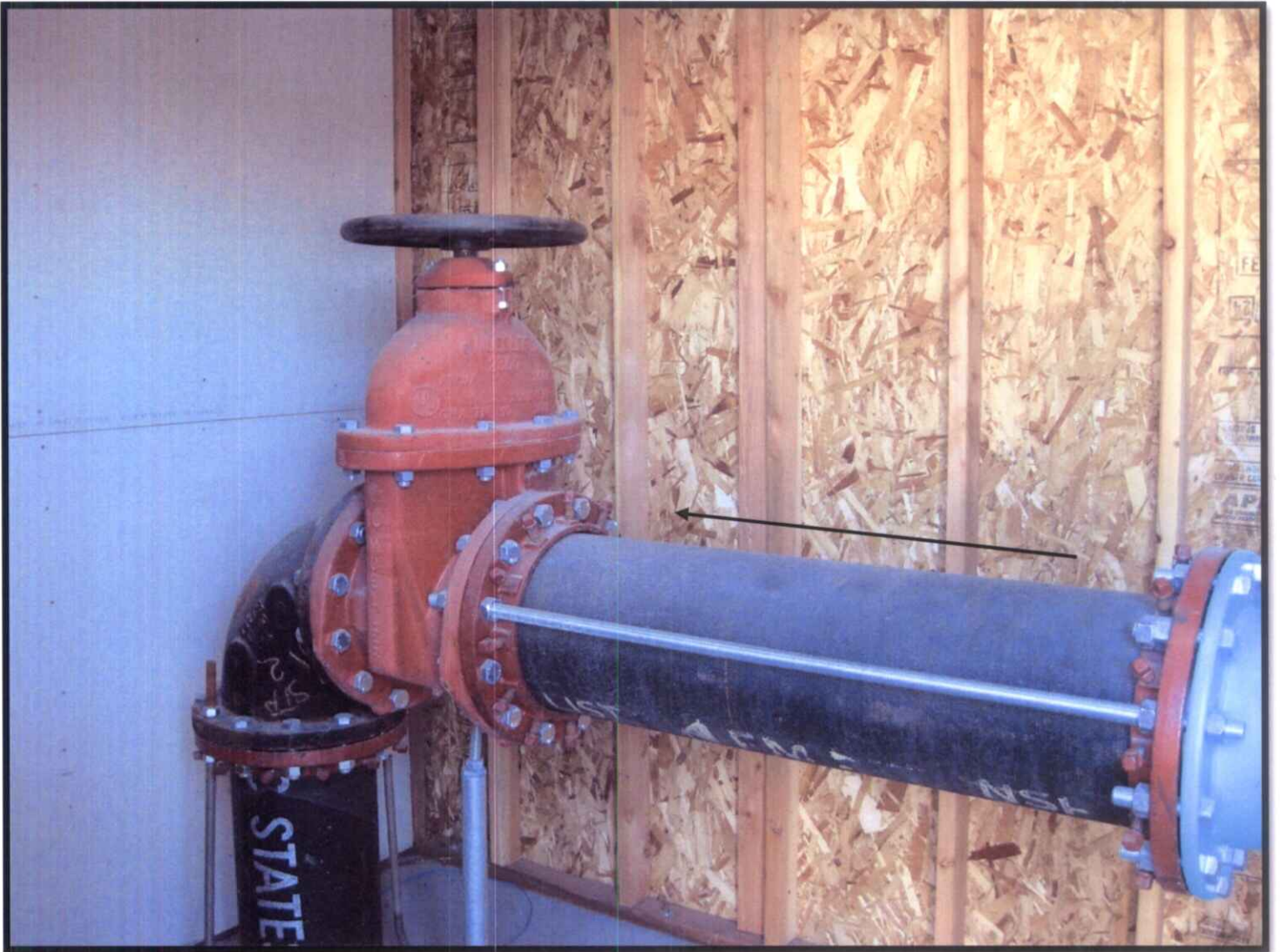


Photo 4 - Valve to distribution system

ATTACHMENT 2 - Well Driller's Report

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES

WELL DRILLER'S REPORT

1. WELL TAG NO. D 0029058
 DRILLING PERMIT NO. 8751176790317
 Water Right or Injection Well No. _____

2. OWNER:

Name Lance Line (City of Nampa)
 Address P.O. Box 950
 City Nampa State Id Zip 83653

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 3 North ☒ or South ☐
 Rge. 2 East ☐ or West ☒
 Sec. 25 1/4 SW 1/4 SE 1/4
 Gov't Lot _____ County Canyon

Lat: _____ Long: _____
 Address of Well Site Amity Ave 1/4 mi. S
Hopai Valley City Nampa
 (For use if name of road - distance to head or foot)

Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☒ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☒ Other Reverse

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
5k Bentonite	0	120	12.500	Overburden
5k Bentonite	190	210	4.000	Overburden

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____
 Was drive shoe seal tested? ☐ Y ☒ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
11 1/2"	12	140	35	Steel	☒	☐	☒	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation Continuous wrap

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
140	190	.035	-	16"	SST	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
6-9 Silica Sand	120	190	27.000	Overburden

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

23 ft. below ground Artesian pressure _____ lb.
 Depth / low encountered _____ ft. Describe access port or control devices: 1 1/4" access pipe

Office Use Only

Well ID No. _____
 Inspected by _____
 Twp _____ Rge _____ Sec _____
 1/4 1/4 1/4
 Lat: _____ Long: _____

12. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
2300	37	100'	4 hrs

Water Temp. _____ Bottom hole temp. _____

Water Quality test or comments: _____

Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
24"	0	3	top soil		
3	11	11	loam clay		
11	35	35	coarse sand		
35	37	37	sand, bent clay, boulders		
37	91	91	basalt		
91	104	104	lava		
104	114	114	basalt (solid)		
114	117	117	brown bent clay		
117	1160	1160	sand, gravel		
1160	190	190	fine to med sand		
190	190	190	lt. brown clay		
190	217	217	fine to med yellow sand		
217	219	219	lt. brown clay		
219	210	210	fine to med yellow sand		

12" pilot hole
 190-210

RECEIVED
 MAR 03 2003
 WATER RESOURCES
 WESTERN REGION

Completed Depth 2100' (Measurable)
 Date: Started 1-20-03 Completed 2-14-03

14. DRILLER'S CERTIFICATION

I/we certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Riverside Inc. Firm No. 333

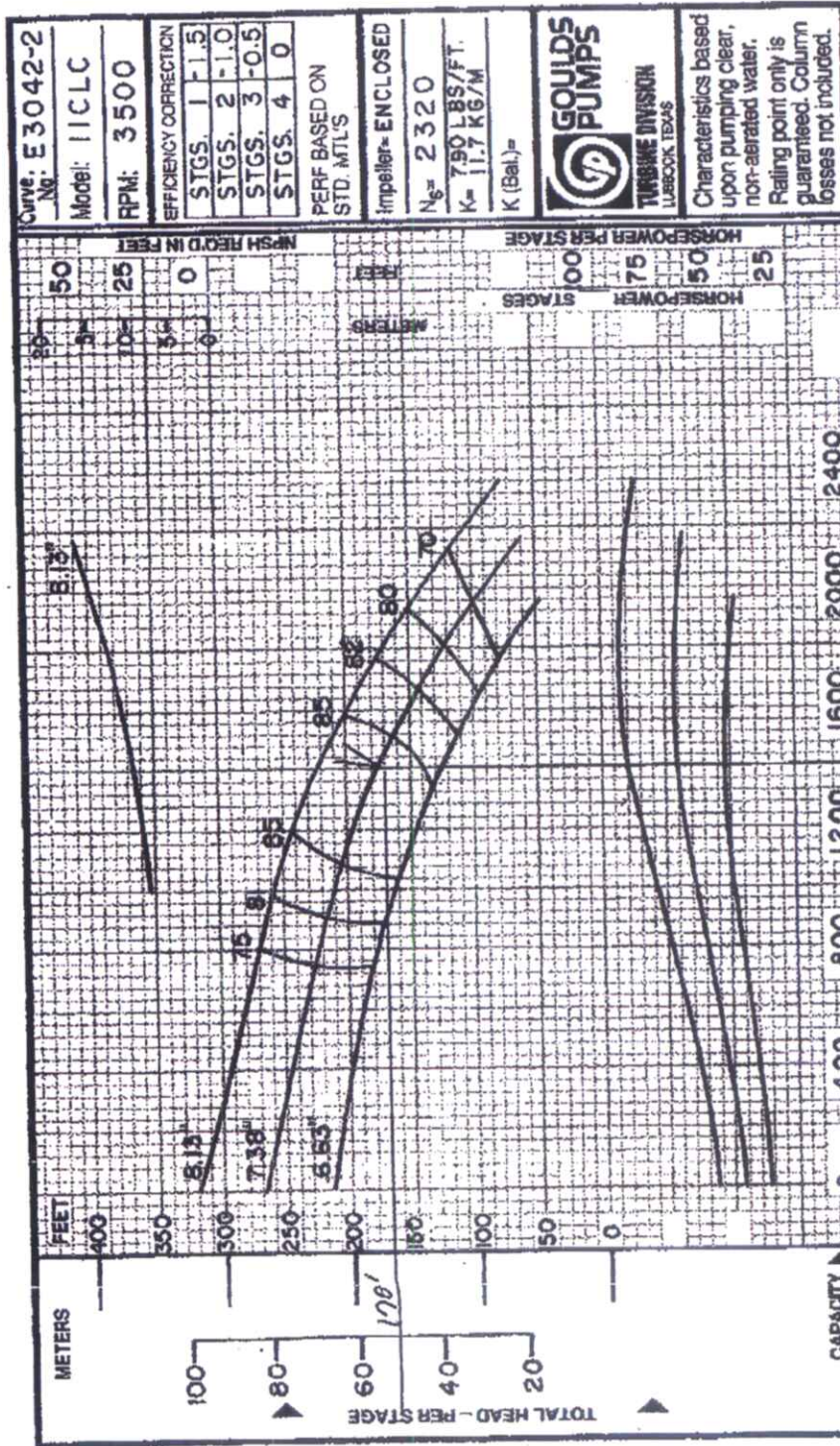
Principal Driller _____ Date _____
 and _____
 Driller or Operator _____ Date 2-22-03
 Operator I _____ Date _____

Principal Driller and Rig Operator Required.
 Operator I must have signature of Driller/Operator II.

FORWARD WHITE COPY TO WATER RESOURCES

ATTACHMENT 3 – Pump Curve

GOULDS PROPOSAL NO.	GOULDS S.G. NO.	INQUIRY NO.	CUSTOMER P.O. NO.	P.O. DATE	ITEM NO.	CUSTOMER
PROJECT			SERVICE		CAPACITY	F.T. TDH
					% EFFICIENCY	PPM



MODEL
11CLC
DATE
October 1998
SUPERCEDES
July 1996

ATTACHMENT 4 – Map

