

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 77-14221

Exam Date: 9/30/2011

1. Current Owner: JERRY ROBINSON
321 FINN CHURCH LN
MC CALL ID 83638
(208)634-2762

And/Or

CINDY ROBINSON
321 FINN CHURCH LN
MC CALL ID 83638
(208)634-2762

Cell phone: (208)271-6234
Email address: teachonlyloveC@yahoo.com

2. Accompanied by: Brian Howard, president of Copenhaver Association #1 (permission given by Jerry Robinson)
Phone No: (208) 467-4230
Address: 2607 Sienna Dr., Nampa, ID 83686, Email: dental@fiberpipe.net
Relationship to Permit Holder: president of Copenhaver Association #1, and Jerry gave permission to Brian to show the system; to be the contact person, and represent Jerry during the field exam.

3. SOURCE

SOUTH FORK SALMON RIVER

TRIBUTARY

SALMON RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 77-7377 Cherry Springs source for 0.02 cfs, 3.6 af that is shared by Lots 1, 6, 15, 16, 19 and 21. This is a low producing spring that does not produce enough water, and sometimes there is none producing especially in the fall.
2. Other water rights with the same point of diversion: 77-14328 Copenhaver Assoc. #2 (domestic system, capacity of 0.25 cfs) which is the same shared system for 77-14162, and 77-74274.

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

SOUTH FORK SALMON RIVER NE1/4NE1/4 Sec. 6, Twp 23N, Rge 08E, B.M. IDAHO County

Method of Determination: Garmin GPS map 76S, ArcMap 2009 and 2011, and Homestead Entry Survey 701.

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
23N	08E	6	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
			X																

Method of Determination: Garmin GPS map 76S, ArcMap 2009 and 2011, and Homestead Entry Survey 701.

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

Well or Diversion

<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
A0016940	Grundfos SQ Flex	2			1 1/4 inch

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

D. FLOW MEASUREMENTS**1. Measurements:**

This domestic system is the same domestic system as 77-14328 Copenhagen Association #2.

Domestic Theoretical System:

$$(8.8 \times 2 \text{ Hp} \times 0.7 \text{ eff}) / [10 \text{ ft lift} + (20 \text{ psi} \times 2.31)] = 12.32/56.2 = 0.219 = 0.22 \text{ cfs}$$

Physical Measurement at Lot 20/21 and L15, running at the same time:

$$\text{Lot 20/21: } (5 \text{ gallons} \times 60 \text{ sec}) / 4 \text{ sec} = 75 \text{ gpm} \times 0.00223 = 0.17 \text{ cfs}$$

$$\text{Lot 15: } (5 \text{ gallons} \times 60 \text{ sec}) / 8 \text{ sec} = 37.5 \text{ gpm} \times 0.00223 = 0.08 \text{ cfs}$$

Domestic Maximum Total Capacity of System: 0.25 cfs

RECOMMEND: Domestic 1-home internal/external use = 0.04 cfs

E. VOLUME CALCULATIONS**1. Volume Calculations for Domestic:**

IDWR Standard for Domestic internal/external use = 1.2 af

RECOMMEND: 1.2 af

F. NARRATIVE/REMARKS/COMMENTS

This system is the same domestic system as 77-14328 Copenhagen Association #2 domestic water system. It consists of a 15 ft deep hole hand dug on the side of the bank of the South Fork Salmon River and then it was sleeved/cased (to act as a filtration system, drawing water from the river through the sand). The 15 ft hole does not meet the definition of a well, but is actually water from the river (see 1/19/2012 memo in the file). A Johnson screen was installed at the intake. There is a 2 Hp submersible Grundfos SQ Flex pump, 10 ft lift, 1 1/4 inch discharge to 1 1/4 inch buried poly pipe which turns almost 90 degrees and changes to 2 inch buried poly running south to north along the east property line of lots 15 - 22. (All lots are stubbed-in with 1 inch poly. Lots 15, L16, and L20/21 filed their own water rights, but share the same POD and distribution system going to each of their individual lots. Lot 18 filed their own separate water right and has their own separate individual POD and distribution system.) The 2 inch poly is used to add additional storage to the system. Between Lots 19 and 20, the line turns off and reduces to 1 1/4 inch buried poly that runs up the hill and discharges to a 1400 and 1700 gallon buried plastic storage tanks. Each lot has a frost free hydrant where hoses are attached with misc. size rainbirds (2 nozzles can run at the same time). The rainbirds are moved around the lot for external use (watering garden, and the area surround the house; also used for fire protection).

The quarter-quarter determination was confirmed as NENE, and not NWNE by extending the lines directly down, and utilizing the H.E.S. 701, Lot 15 Copenhagen Subdivision maps.

Have conditions of permit approval been met? ☒ Yes ☐ No

G. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.20 AF
<u>Totals:</u>		0.040 CFS	1.20 AF

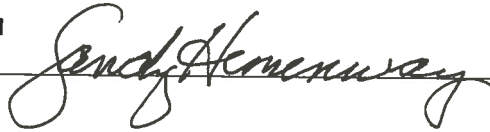
2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

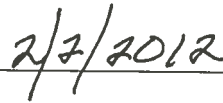
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

H. AUTHENTICATION

Field Examiner's Name



Date



TO: 77-14162, 77-14221, 77-14274, and 77-14328 (Domestic system) *ek.*

FROM: Sandy Hemenway

DATE: January 19, 2012

RE: Definition of a Well, and Determination

**IDAHO ADMINISTRATIVE CODE IDAPA 37.03.09 Department of Water Resources Well Construction Standards
Rules Page 8 IAC 2011**

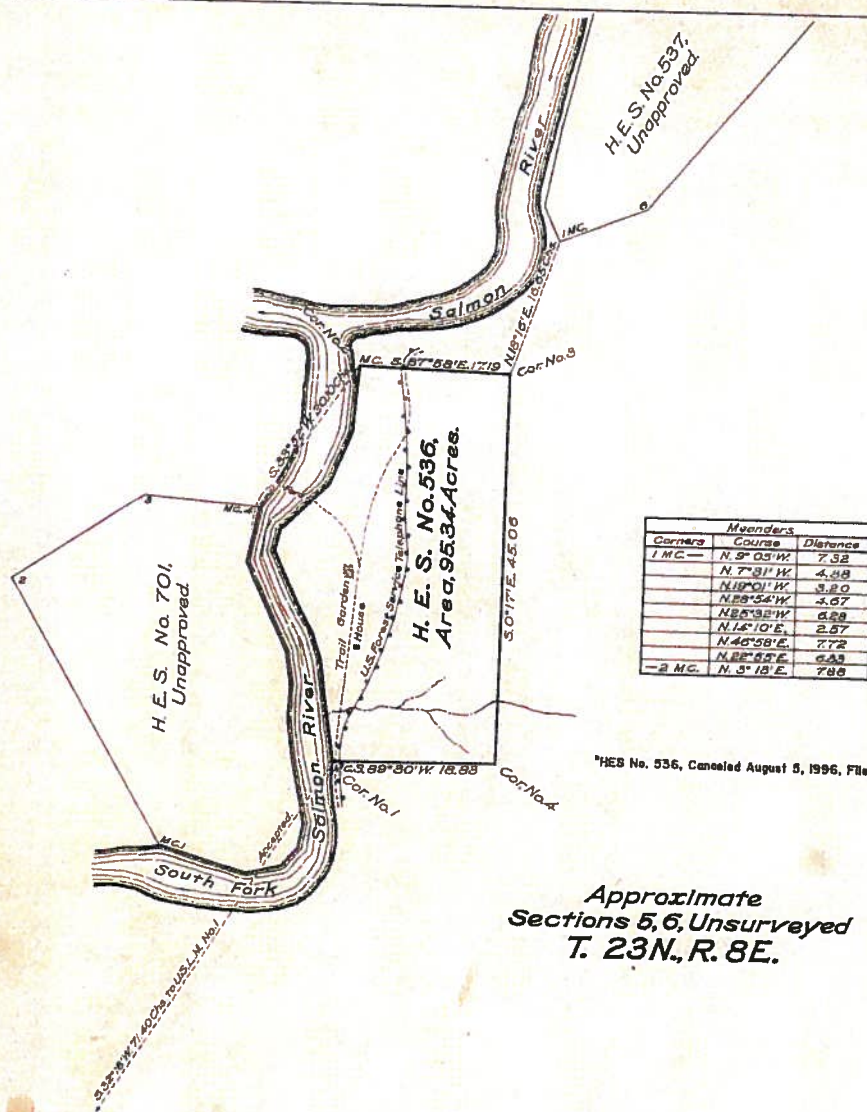
66. Well. (5-8-09) a. An artificial excavation or opening in the ground more than eighteen (18) feet in vertical depth below land surface by which ground water of any temperature is sought or obtained. The depth of a well is determined by measuring the maximum vertical distance between the land surface and the deepest portion of the well.

The domestic source for water rights 77-14162, 77-14221, 77-14274, and 77-14328 was confirmed during the 9/30/2011 Beneficial Use Field Examination as the South Fork Salmon River. A 15 foot vertical depth hole was dug in the bank of the South Fork Salmon River (which does not meet the >18 foot vertical depth requirement), which is sleeved/cased, and has a 2 Hp submersible pump which is used to supply the domestic potable water. The vertical sleeve/casing and the sand act as a filtration system to utilize the raw river water as a domestic potable source.

ORIGINAL

Survey accepted May 2, 1921
General Land Office

Plat of
**HOMESTEAD
ENTRY SURVEY**
No. 536
in the
IDAHO
NATIONAL FOREST
in
Approximate
Sections 5, 6, Unsurveyed
T. 23 N., R. 8 E.
of the
BOISE BASE AND MERIDIAN,
IDAHO.



H.E.S. No. 536, Canceled August 5, 1996, File 9605, 10-957

Approximate
Sections 5, 6, Unsurveyed
T. 23 N., R. 8 E.

This plat of Homestead Entry Survey
No. 536 State of Idaho is
strictly conformable to the field notes
thereof on file in this office, which
have been examined and approved.

U.S. Surveyor General's Office
Boise, Idaho, April 13, 1921.

Edward Hedden
U.S. Surveyor General

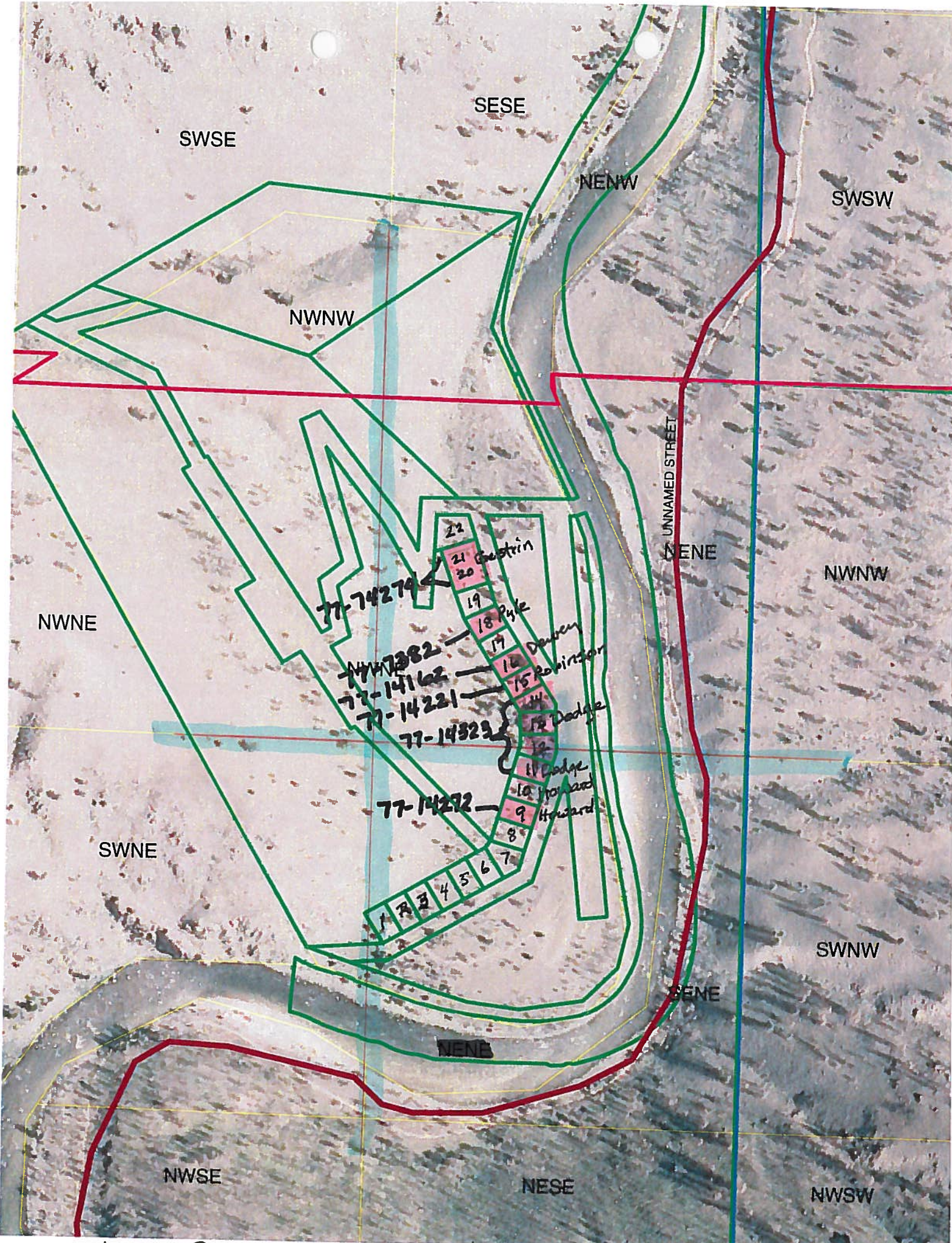
SCALE: 10 chains to 1 inch.

Surveys Designated	By whom Surveyed	Inst. Cont. Group		When Surveyed		Date of Approval
		No.	Date	Began	Completed	
H. E. S. No. 701	Marshall S. Wright	701	January 15, 1919	September 22, 1920	September 24, 1920	
H. E. S. No. 537	Marshall S. Wright	537	February 28, 1919	September 22, 1920	September 24, 1920	April 7, 1921
H. E. S. No. 536	Marshall S. Wright	536	February 28, 1919	September 22, 1920	September 24, 1920	April 13, 1921
	Sur. U.S. Forest Service					

Areas in Acres	
H.E. Survey No. 536	Conflicts
In Section	
In Section	
In Section	
In Section	
Total	95.34

Act of June 11, 1906	Act of May 30, 1920
List No. 4-373	Dated May 11, 1910
List No. 4-1725	Dated May 1, 1915
Latitude 45° 21' 45" N.	Observations
Longitude 115° 30' 07" W.	Near House
Magn. Mag. Decl. 20° 40' E.	

18241-22



SWSE

SESE

NENW

SWSW

NWNW

NWNE

UNNAMED STREET

NENE

NWNW

SWNE

77-74279

77-14282

77-14162

77-14221

77-14323

77-14292

SWNW

SENE

NENE

NWSE

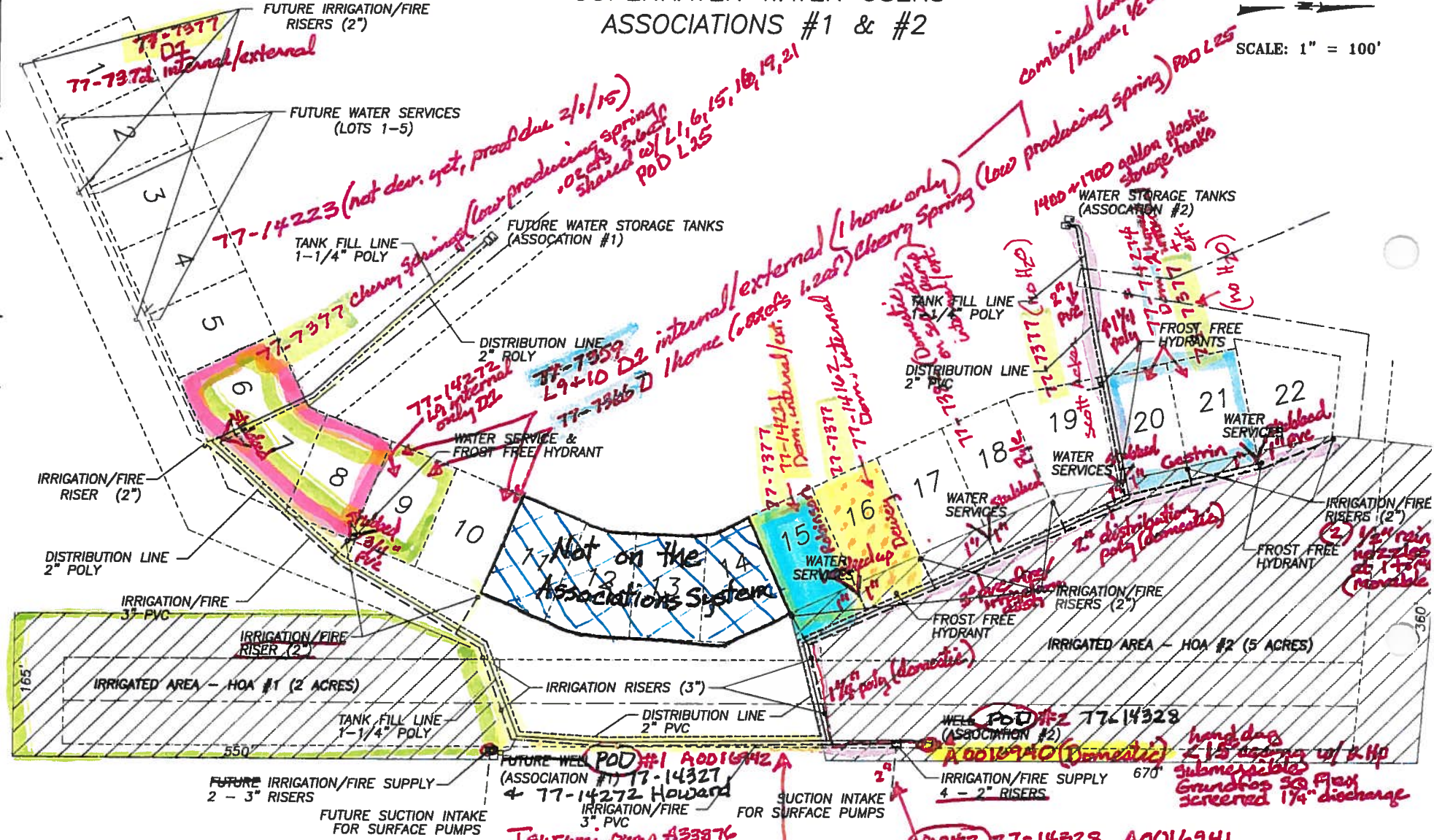
NESE

NWSW

77-14221 D Line

COPENHAVER WATER USERS ASSOCIATIONS #1 & #2

SCALE: 1" = 100'



- = 77-14327 irrigation
- = 77-14327 domestic (internal only)
- = 77-14221 domestic (internal/external)

Taurus pump A3387K
Honda 5.5 HP
1 1/2" discharge
screened intake

POD #2 77-14328 A0016941
Gas pump Honda GX160 5.5 HP
2" discharge North Star model 10625
max. head 197' 10' lift
screened intake

This line is only to interconnect the systems for fire suppression emergencies (see 11/1/2012 em)



POD

15'
hand
dug
hole,
cased
with
2Hp
Submersal
Grounds
SQ Flap
pump,
with
Johnson
screen
at the
intake
1 1/4"
diechan
to 1 1/4"
buried
1 1/4" pole

Buried
1400

+ 1700
gallon
storage
tanks
locate
west
of
L19 +
L20
property
line,
up on
the
hill





POU
L15
77-142

Dewey
L16
77-144

PO1
L15
77-142
external
use

09/30/2011



frost
free
hydrant
with
hose
attached
to
misc.
size
nozzle
(2)
for
external
use

09/30/2011