

2. **PLACE OF USE:** STOCKWATER and WILDLIFE

TwprgeSec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
19N23E 2						X											
						L4											
19N23E 3		X	X														

Method of Determination: On-site GPS, USGS Quad, GIS & Air Photo.

3. ☒ Delivery System Diagram Attached (required).
☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use.
N/A ☐ Aerial Photo Attached (required for irrigation of 10+ acres).
☒ Photo of Diversion and System Attached

Well or Diversion – Spring development with gravity flow to 3 stock troughs.

D. FLOW MEASUREMENTS

None Made – Not possible at PD and measurement at PU would not be representative of actual diversion due to pipeline storage capacity and natural head pressure.

E. FLOW CALCULATIONS

1. Theoretical flow capacity from chart (attached) for 1 ¼ pipe: $Q = 5 \times 3.1416 \times .0027 = .04$
Permit issued for 0.02, allow 0.02

F. VOLUME CALCULATIONS

1. Volume Calculations for stockwater – 440 pair @ 12gal/day/pair for 365 days = 5.9 AFA, allow 6 AFA

G. NARRATIVE/REMARKS/COMMENTS

This is a closed, naturally pressurized system that is interconnected with 74-7359. The spring box (PD) is subsurface and is connected to a buried 1 ¼" poly pipe supply line that runs to a series of troughs. Troughs are filled through ¾" float valves. The first trough on the supply

line is the PU for this right (74-7359). The pipeline distance from the PD to the first trough is approximately 0.7 miles. The remaining three troughs are covered by 74-15638.

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

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.020 CFS	
WILDLIFE	01/01 to 12/31	0.020 CFS	

Totals: 0.020 CFS

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

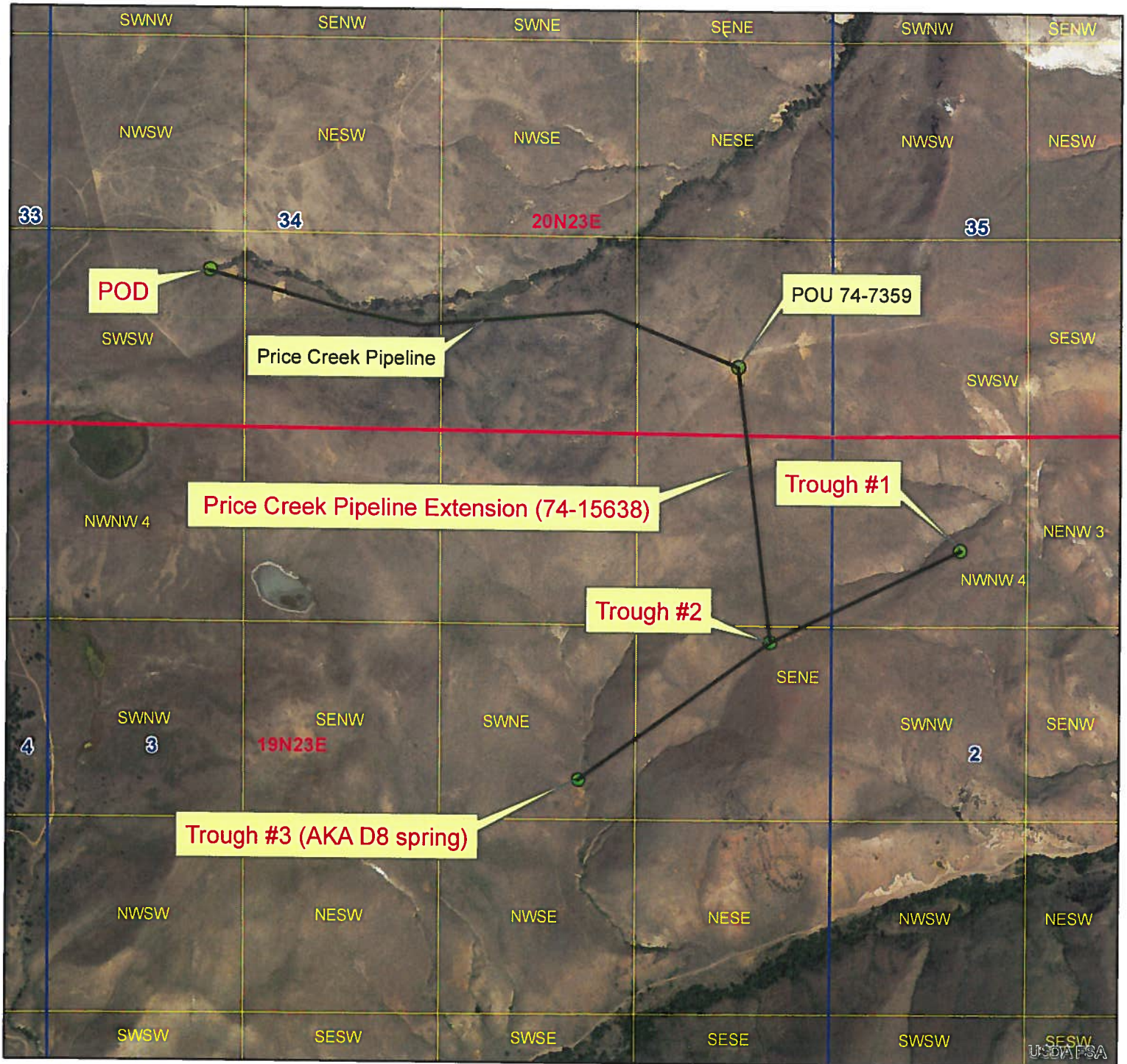
I. AUTHENTICATION

Field Examiner's Name 
Date 1-24-13

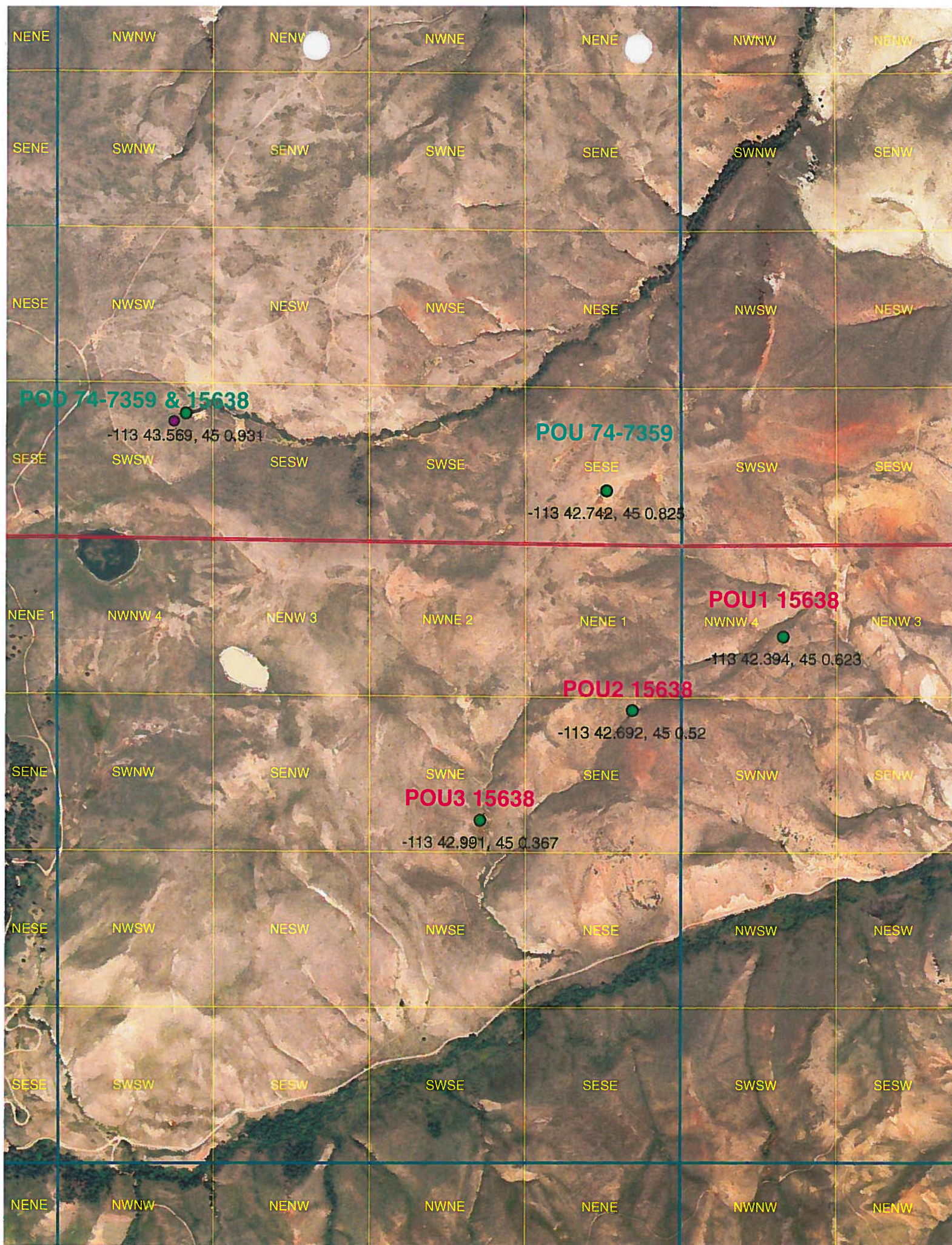
Reviewer _____
Date _____

System Design 74-15638

- Township/Range
- Sections
- QQ



0.3 0.15 0 0.3 Miles



X=POD



$X = P/D$



Spring Overflow



Trough #1



Trough #2



Trough #3 (DB)

