

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

Permit No: 96-9786

Exam Date: 05/24/2022

1. Current Owner:  
THE CLINTON C CAMPBELL AND DELORES J CAMPBELL REVOCABLE FAMILY TRUST 701 W ODEN BAY  
RD SANDPOINT ID 83864-8096

2. Accompanied by: Delores Campbell  
Phone No: 208-263-3261  
Address: Same  
Relationship to permit Holder: Trustee, permit holder.

3. **SOURCE:**  
LAKE PEND OREILLE

**Tributary**  
PEND OREILLE RIVER

**Method of Determination: Arcmap and DRG.**

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: YES Overlap

| Water Right No. | Source            | Purpose of Use | Basis   |
|-----------------|-------------------|----------------|---------|
| 96-7011         | Lake Pend Oreille | Domestic       | License |
| 96-8953         | Lake Pend Oreille | Municipal      | License |

Comments: Licensed water rights 96-7011 & 96-8953 are owned by Oden Water Assn and uses lake water for domestic and municipal uses respectively, which overlap this rights POU. The applicant is service connected for in-home water use with Oden Water Assn but doesn't irrigate from the in-home connection which mitigates overlap concerns between water uses/rights. I do not recommend licensing this right with combined use condition (X35).

2. Other water rights with the same point-of-diversion: NO Overlap

**C. DIVERSION AND DELIVERY SYSTEM**1. **LOCATION OF POINT(S) OF DIVERSION:**

LAKE PEND OREILLE L1 ( NW¼ NE¼), Sec. 8, Twp 57N, Rge 01W, B.M. BONNER County

Method of Determination: GPS; POD is a submersible pump attached to the applicant's dock, located at -116°28.002, 48°18.352.

**PLACE OF USE: IRRIGATION**

| Twp | Rng | Sec | NE |           |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW        | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 57N | 01W | 8   |    | 0.5<br>L1 |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.5    |

Total Acres: 0.5

Method of Determination: Drive by exam to obtain photographs of water system & Arcmap aerial imagery.

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 ID No.* | Motor Make | Hp                  | Motor Serial No. | Pump Make                | Pump Part No. or Discharge Size        |
|---------------------------|------------|---------------------|------------------|--------------------------|----------------------------------------|
| SUBMERSIBLE PUMP          |            | 33 GPM MAX capacity |                  | HALLMARK INDUSTRIES, INC | PART NO. MA0414X-7, 1.5-inch discharge |

**D. FLOW MEASUREMENTS**

1.

| Measurement Equipment | Type | Make | Model No. | Serial No. | Size | Calib. Date |
|-----------------------|------|------|-----------|------------|------|-------------|
| NONE                  |      |      |           |            |      |             |

No measurement is required for an in-house exam.

**E. FLOW CALCULATIONS**

Flow measurement not required as per IDAPA RULE 37.03.02.035.01.r.iii.

**F. DIVERSION RATES**

The diversion rate for this irrigation right is limited to 0.02 CFS or 9.0 GPM.

**G. VOLUME CALCULATIONS**

The annual volume for this irrigation right is limited to = 1.5 AF.

This right is from a surface water source and does not receive an annual volume.

**H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an in-house field examination. A drive-by exam was conducted on 5/24/2022 with the applicant, Delores Campbell - Trustee, to obtain current photographs of the POU to verify irrigation areas. Aerial imagery was used to prove there is green space from irrigation occurring on the property and coupled with photographs enabled me to accurately trace out the active irrigation acreage, resulting in sufficient information to license this permit.

The permit was authorized for **0.02 CFS** or 9.0 GPM diversion for the irrigation of 0.5 acres, which is recommended for licensing purposes. During the drive-by exam, the applicant's pump was observed & attached to the lake front dock. The lake's water level was still low pool with pump suspended above dry lakebed, and the irrigation system was not active for that reason. The pump specification identifies a maximum discharge of 33 gpm or 0.07 cfs.

It is reasonable to assume once the diverted water is restricted to a 1 ½ inch poly pipe routed up-grade approx. 60 ft to a 5/8-inch hose bib with hose-to-sprinkler use that the maximum discharge is greatly reduced. This mitigates concerns for enlargement of the permit due to over diverting. The applicant asserts that watering from 5 separate irrigation riser pipes is rotated due to the small lawn spaces. Average sprinkler GPM rates operate at approximately 9 gpm, resulting in the applicant not being eligible to operate multiple sprinklers at the same time.

The irrigation POU was traced out using Arcmap aerial imagery equaling 0.5 acres in size. The annual volume associated with irrigating 0.5 acres = 1.5 AF, but as this is a surface water source there is no volume metrics applied to the face of the water right license. Condition R66 was replaced with X31 to better quantify diversion rate and diversion volume associated with licensing this permit. Condition 029 was removed from the permit during licensing review, and all other conditions shall remain on the license. There are no overlap concerns for this water right.

Have conditions of permit approval been met?   X   Yes        No

#### H. RECOMMENDATIONS

##### 1. Recommended Amounts

| <u>Beneficial Use</u> | <u>Period of Use</u> | <u>Rate of Diversion</u> |
|-----------------------|----------------------|--------------------------|
| IRRIGATION            | 04/01 to 10/31       | 0.02 CFS                 |

Totals: 0.02 CFS

##### 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   X   None

#### I. AUTHENTICATION

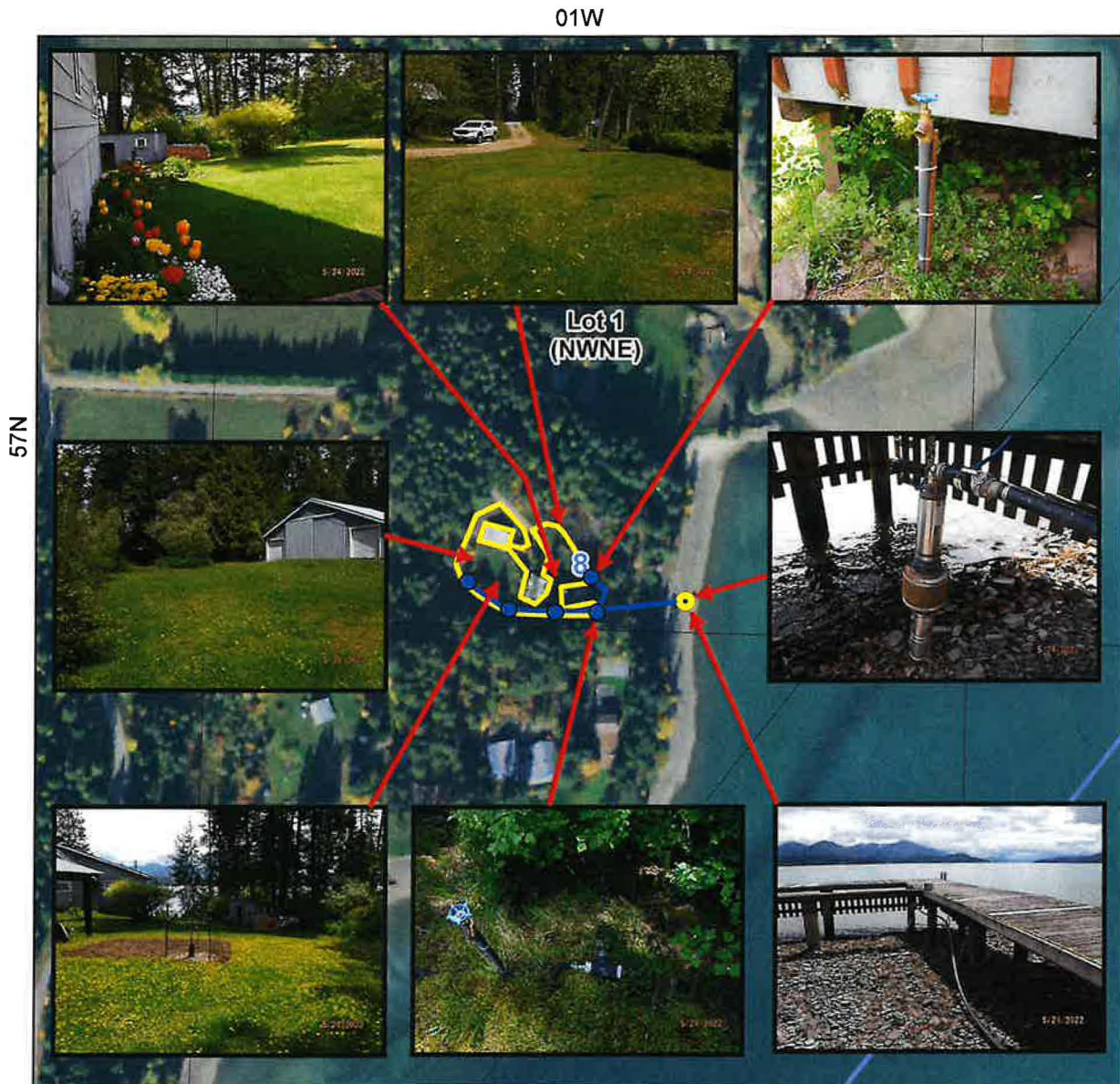
Luke Bates -

Field Examiner's Name  Date 5/24/2022

Reviewer  Date 6/2/2022

State of Idaho  
Department of Water Resources  
**Attachment to Field Exam**  
96-9786

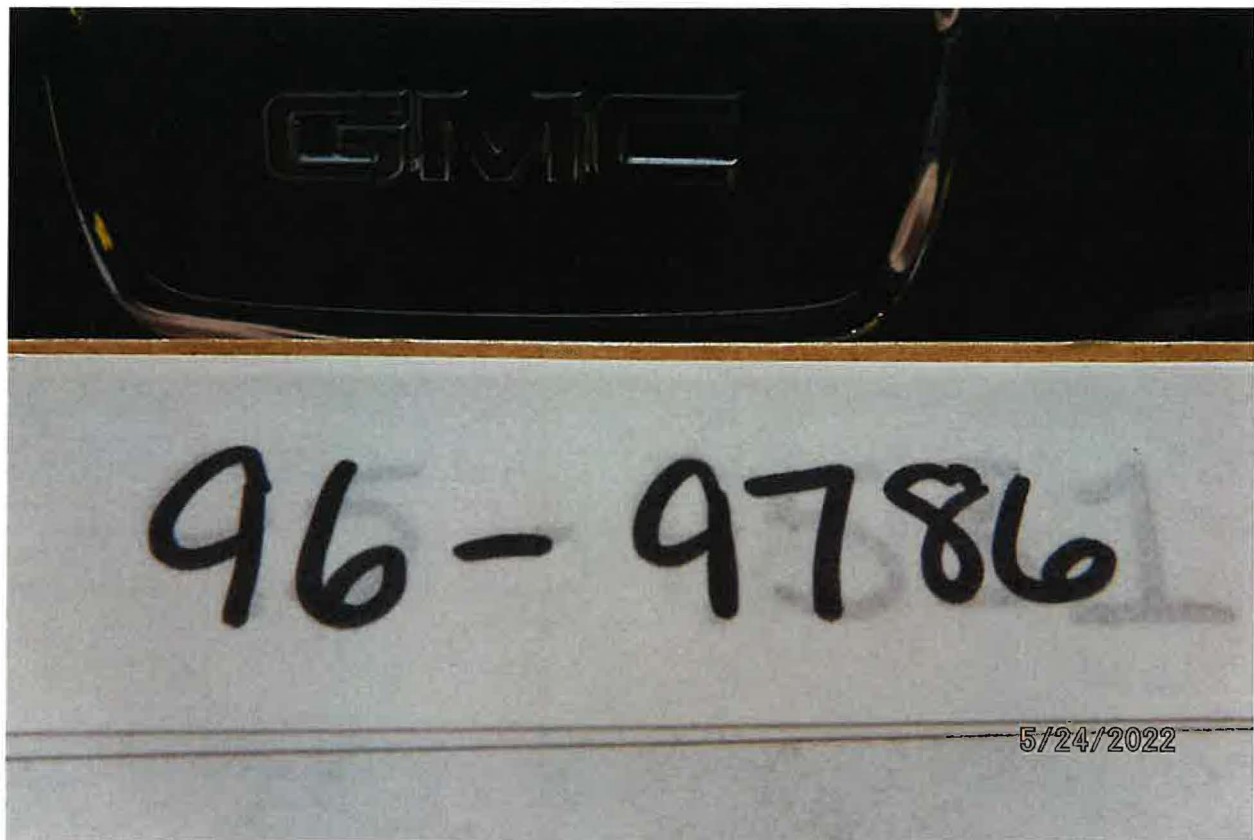
IRRIGATION system diagram.



-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters
-  Point of Diversion

0 0.035 0.07 0.14 Miles

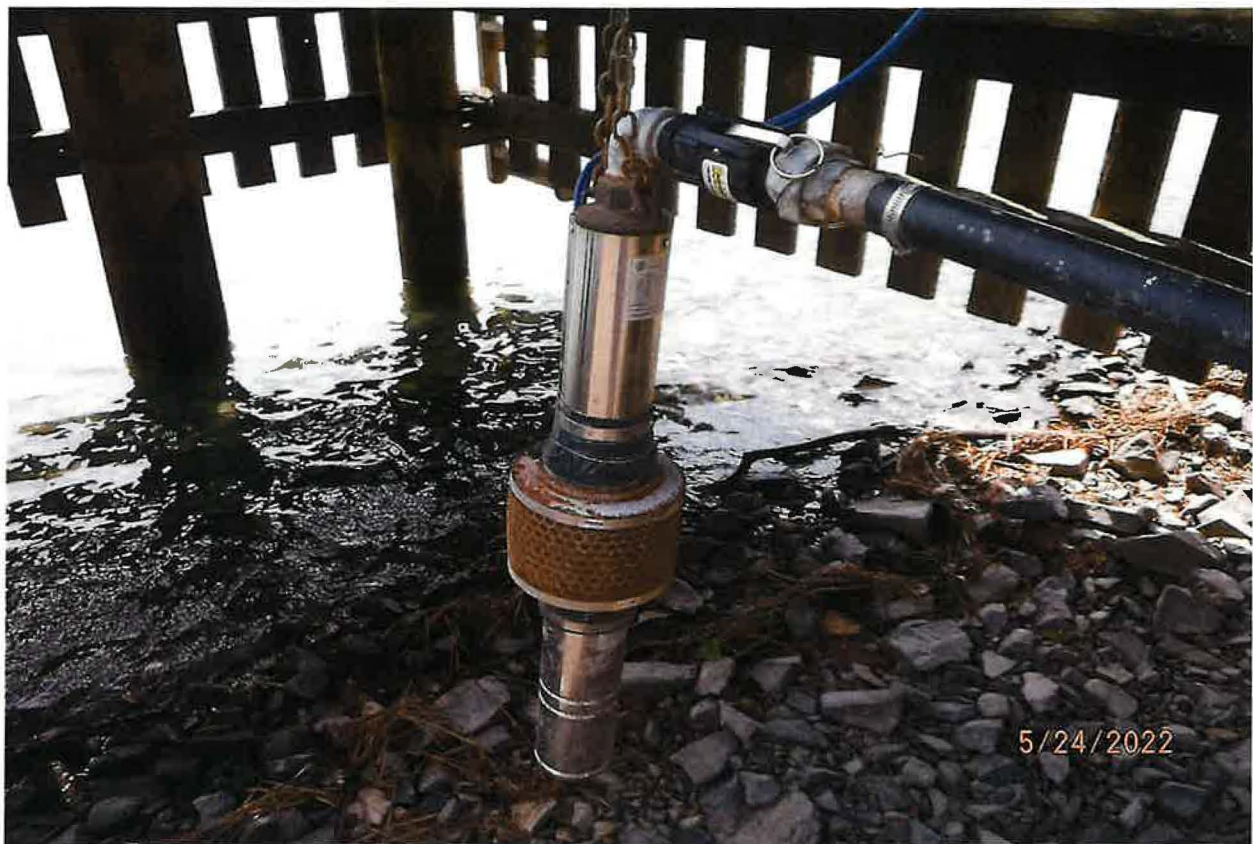




BENEFICIAL USE FIELD EXAMINATION DATE 5/24/2022



POD – SCREENED SUBMERSIBLE PUMP IN LAKE WITH 1 ½ INCH POLY WATER LINE



SUBMERSIBLE PUMP INSTALLED IN IRRIGATION SYSTEM





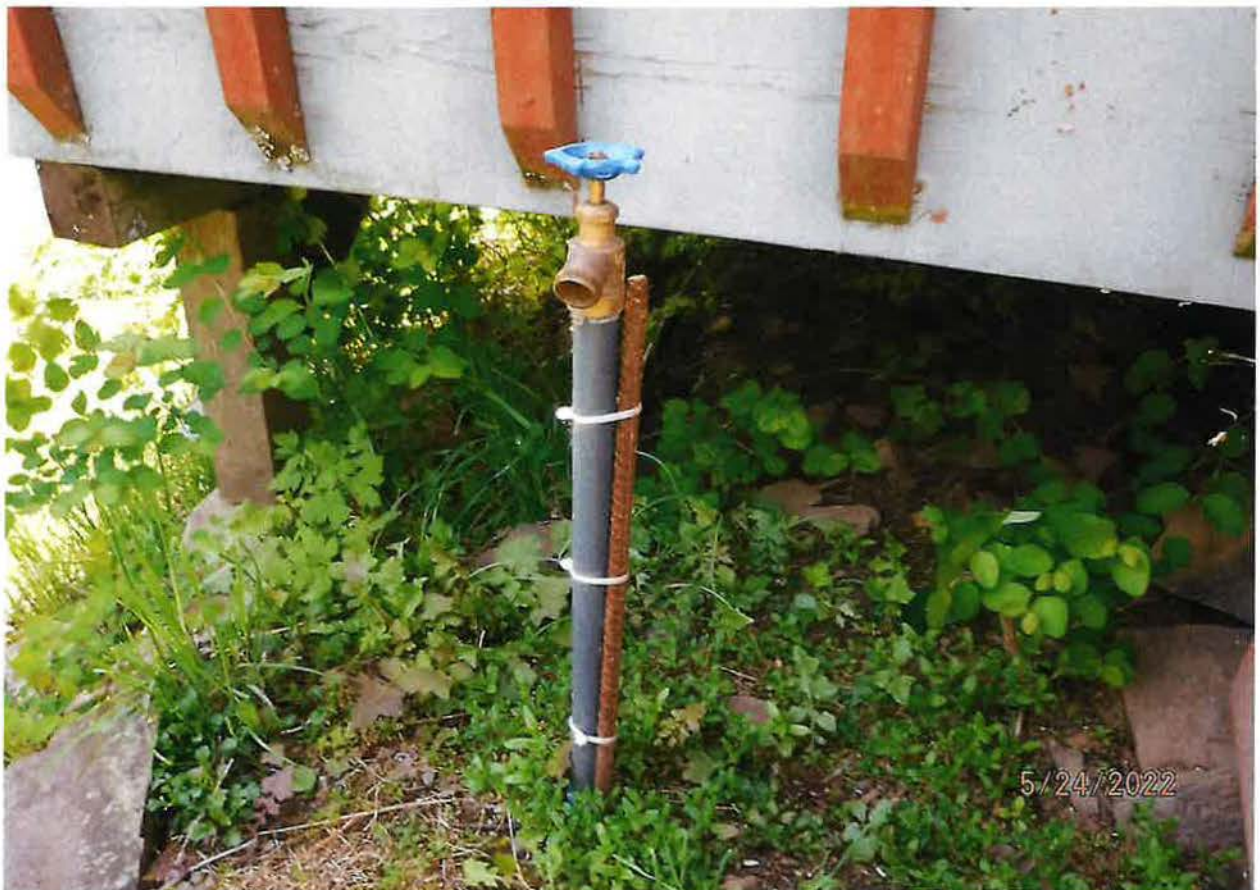
WATER CONVEYANCE SYSTEM – 1 ½ POLY PIPE ROUTES UP-HILL 60FT ELEVATION GAIN BEFORE IRRIGATION USE

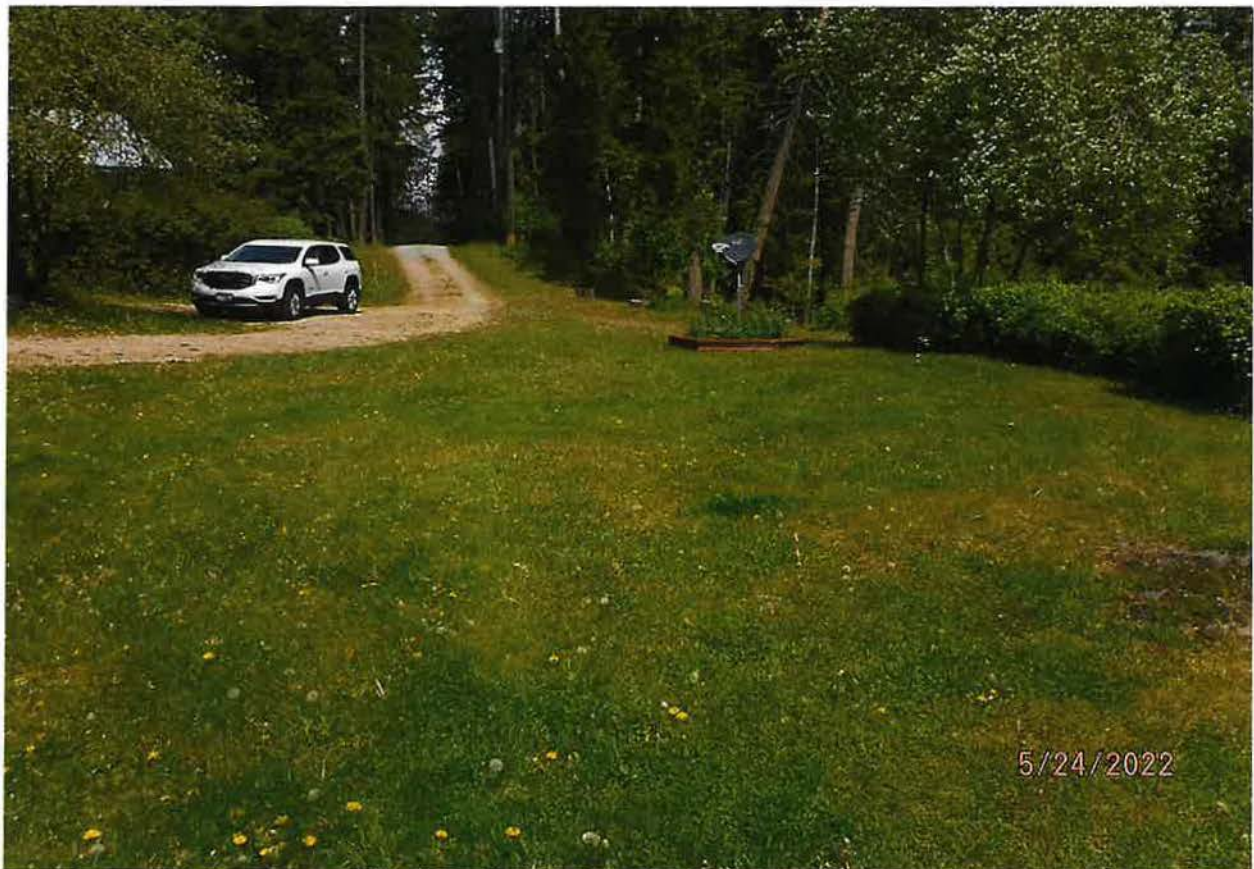


MAIN IRRIGATION LINE TO ¾ INCH POLY PIPE SPLITTER THAT TIES TO 5EA TOTAL SPRINKLER RISER PIPES WITH HOSE BIB ATTACHMENTS.

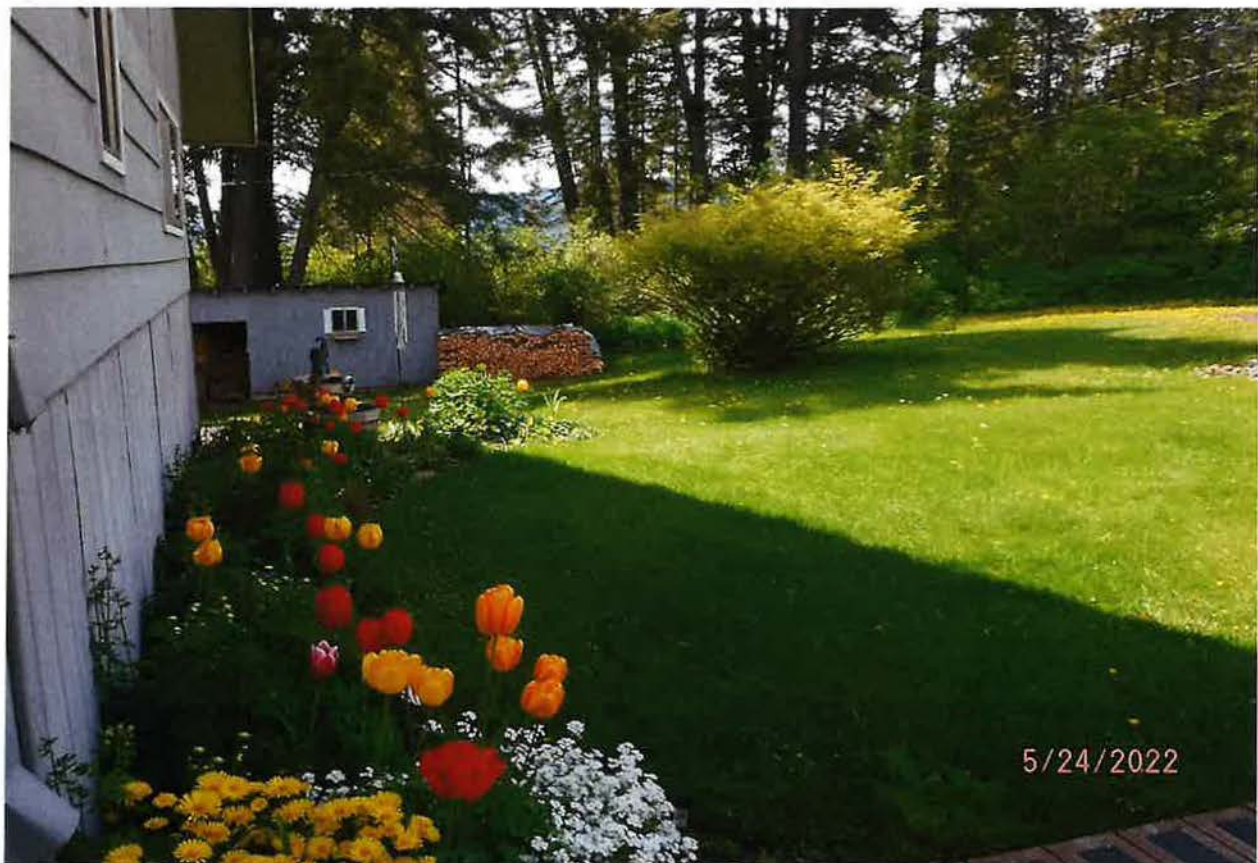


EXAMPLE - IRRIGATION RISER PIPES





IRRIGATION POU – WATERING BY HOSE AND SPRINKLER





IRRIGATION POU





IRRIGATION POU

