

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17113
Exam Date: 05/20/2021

1. Current Owner:
ELITE LIFESTYLES MANAGEMENT LLC 3456 S WALKERS BAY RD COEUR D ALENE ID 83814
2. Accompanied by: Leslie Abrams-Rayner
Phone No: 208-929-1045
Address: PO BOX 3388 Coeur D'Alene, ID 83816
Relationship to permit Holder: Applicant's representative – water system operator

3. **SOURCE:**
GROUND WATER

Method of Determination: Arcmap and DRG.

B. OVERLAP REVIEW

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

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
GROUND WATER NE¼ NW¼, Sec. 32, Twp 53N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS; POD located at -116°51.8836, 47°54.0548, tag No. D0069935

PLACE OF USE: MUNICIPAL and FIRE PROTECTION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
53N	04W	32					X		X	X									

Method of Determination: Field exam and 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 Part No.	Pump Make	Pump Serial No. or Discharge Size
D0069935	FRANKLIN ELECTRIC	20	STS90	FRANKLIN ELECTRIC	

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
FLOWMETER		SENSUS				

2. Measurements: The applicant's water operator, Gemstate Water, assisted with a flow measurement from the well's main blowout line. A Sensus in-line flowmeter was used, and the system was operated for approximately 10 minutes to enable the system to stabilize, resulting in a flow measurement of 90 gpm or 0.20 cfs considering department rounding standards.

E. FLOW CALCULATIONS

Measured Method: Gemstate Water system operator used a Sensus brand flowmeter, deriving a diversion rate of 90 gpm or 0.20 cfs considering department rounding standards.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

2. Volume Calculations for Other Uses:

- Municipal annual volume = 15 service connections x 1.2 af per connection = **18.0 af**.
- Due to the Fire Protection beneficial use, there is no maximum diversion volume applied to the face of the license.

G. NARRATIVE/REMARKS/COMMENTS

Field exam performed on 5/20/2021 with the applicant's water system operator, Leslie Abrams-Rayner from Gemstate Water, showed a single groundwater well serving water for municipal & fire protection uses for Lakeland Meadows 1st & 2nd Addition Subdivision(s). At the POD, well D0069935 has a 20 HP Franklin Electric pump & motor installed. The diverting works incorporate a McCrometer totalizing flowmeter to track annual volume, but it doesn't provide instantaneous flow. A flow measurement was completed from the well's main blowout line. A Sensus in-line flowmeter was used, and the system was operated for approximately 10 minutes allowing the system to stabilize and resulted in a flow measurement of 90 gpm or **0.20 cfs** considering department rounding standards which is recommended for licensing this water right. Water from the well routes direct to a pressure tank prior to distribution to service connections. The permit approved up to four PODs, but only one was developed; the other three were removed from the permit during licensing review.

The municipal & fire protection POU was walked with Mrs. Abrams-Rayner to validate the total number of active service connections, which include 11 constructed homes and 4ea dedicated stub-ins verified during the exam. The applicant had identified 1.0 acres irrigation per parcel when applying as annotated on the municipal provider questionnaire and irrigation was observed at the homes that were built-out and sketched on field maps during the exam. Arcmap aerial imagery was used to trace out the irrigation per parcel during licensing review, and none of the homes have developed irrigation greater than 0.5 acres which is considered when determining the maximum diversion volume to assign to the municipal beneficial use.

Mrs. Abrams-Rayner provided volume reports that included monthly reporting from 5/2020 to 5/2021. Annual reporting was not completed prior to April 2020, and it was inconsistent from month to month until May of 2020. The annual volume reported for the 5/2020-5/2021 year equaled 0.5 af. This very low volume is predicated by construction of the POU not starting until 2017 to current with four service connections still stubbed in at time of exam. After considering the 0.5 af reported volume, I am recommended the annual volume for municipal beneficial use be licensed for (11 homes + 4 stub-ins) x 1.2 af per parcel = **18.0 af**. The application for permit calculated 16 homes, but there are 15 parcels with one included two lots: Lakeland Meadows 1st Add, LT(s) 9 & 10, BLK 1. This reduced the service connections from 16 to 15 as observed during the field exam.

There are dedicated fire protection hydrants located throughout the POU, and fire protection direct flow beneficial use is recommended for licensing purposes. Due to the fire protection component, no maximum diversion volume is designated on the face of the license, and only municipal annual volume is designated between the two beneficial uses. Mrs. Abrams-Rayner worked with the applicant to submit a Water Conservation Plan following the exam, as required to license municipal providers within the Rathdrum Prairie Groundwater Management Area

Condition 26A, 046, and 134 were removed from the permit during licensing review. Condition 180 was updated to reflect current condition verbiage. Condition 128 was added describing the POU location and PWS# for the applicant's water system. 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>	<u>Annual Volume</u>
MUNICIPAL	01/01 to 12/31	0.20 CFS	18.0 AF
FIRE PROTECTION	01/01 to 12/31	0.20 CFS	

Totals: 0.20 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

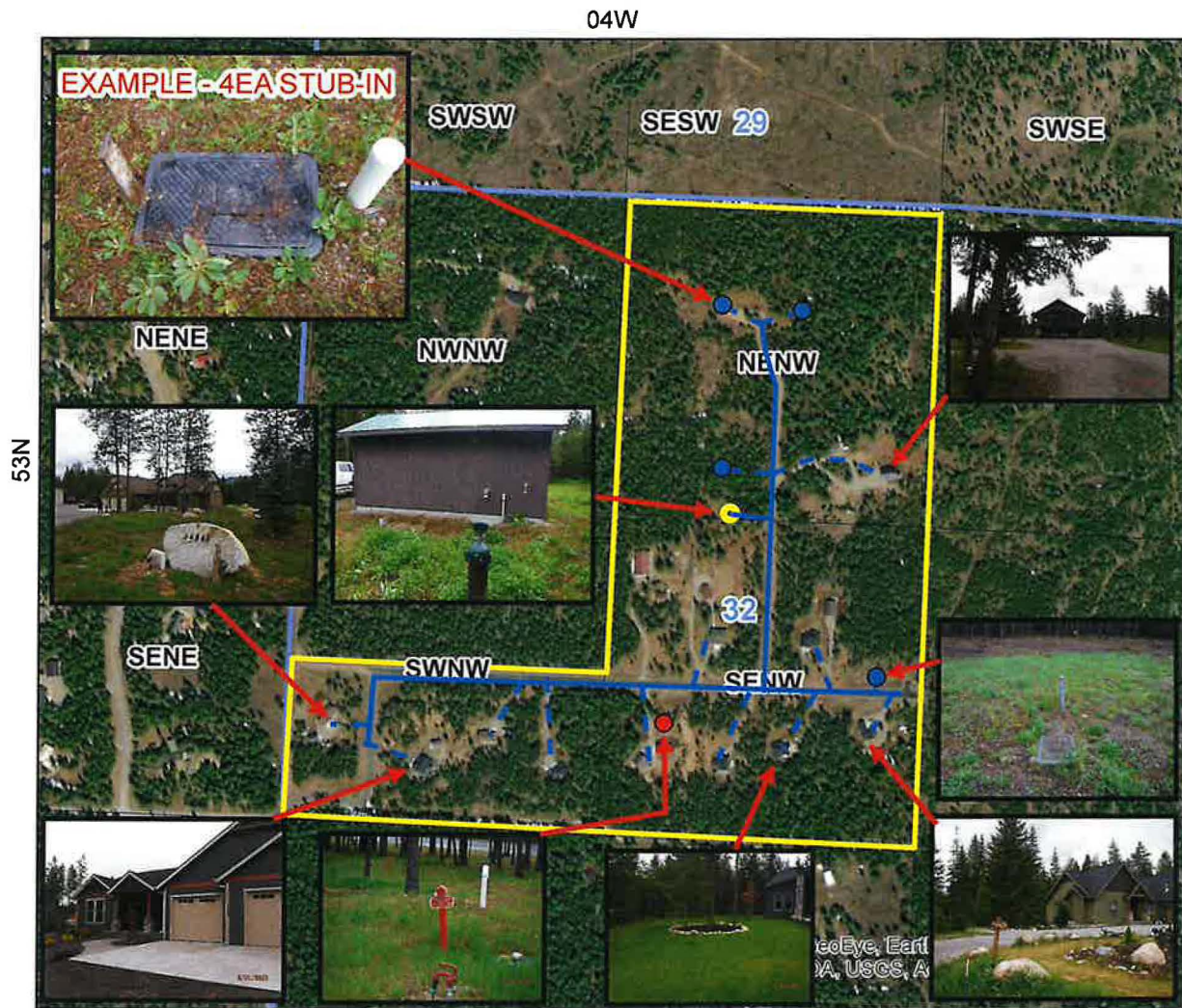
I. AUTHENTICATION Luke Bates -

Field Examiner's Name Luke Bates Date 1/20/22
 Reviewer Adam Fink Date 1/31/2022

Attachment to Field Exam

95-17113

MUNICIPAL and Fire Protection system diagram.



● Point of Diversion

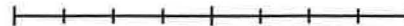
Water Service Area Boundary

Townships

PLS Sections

Quarter Quarters

0 0.075 0.15 0.3 Miles



LAKELAND MEADOWS PWS#ID1280343 ANNUAL VOLUME REPORT 5/2020 – 5/2021

NOTES

GATE CODE 2116

DATE/INITIALS

METER-GAL-~~X100~~

PSI

6" Casing/450ft deep

Franklin STS90 20hp

90 GPM

SAMPLE

JAN-SHOP

FEB-5697 SPARROWHAWK

MAR-24941 SPARROWHAWK

APR-SHOP

MAY-5697 SPARROWHAWK

JUN-24941 SPARROWHAWK

JUL-SHOP

AUG-5697 SPARROWHAWK

SEP-24941 SPARROWHAWK

OCT-SHOP

NOV-5697 SPARROWHAWK

DEC-24941 SPARROWHAWK

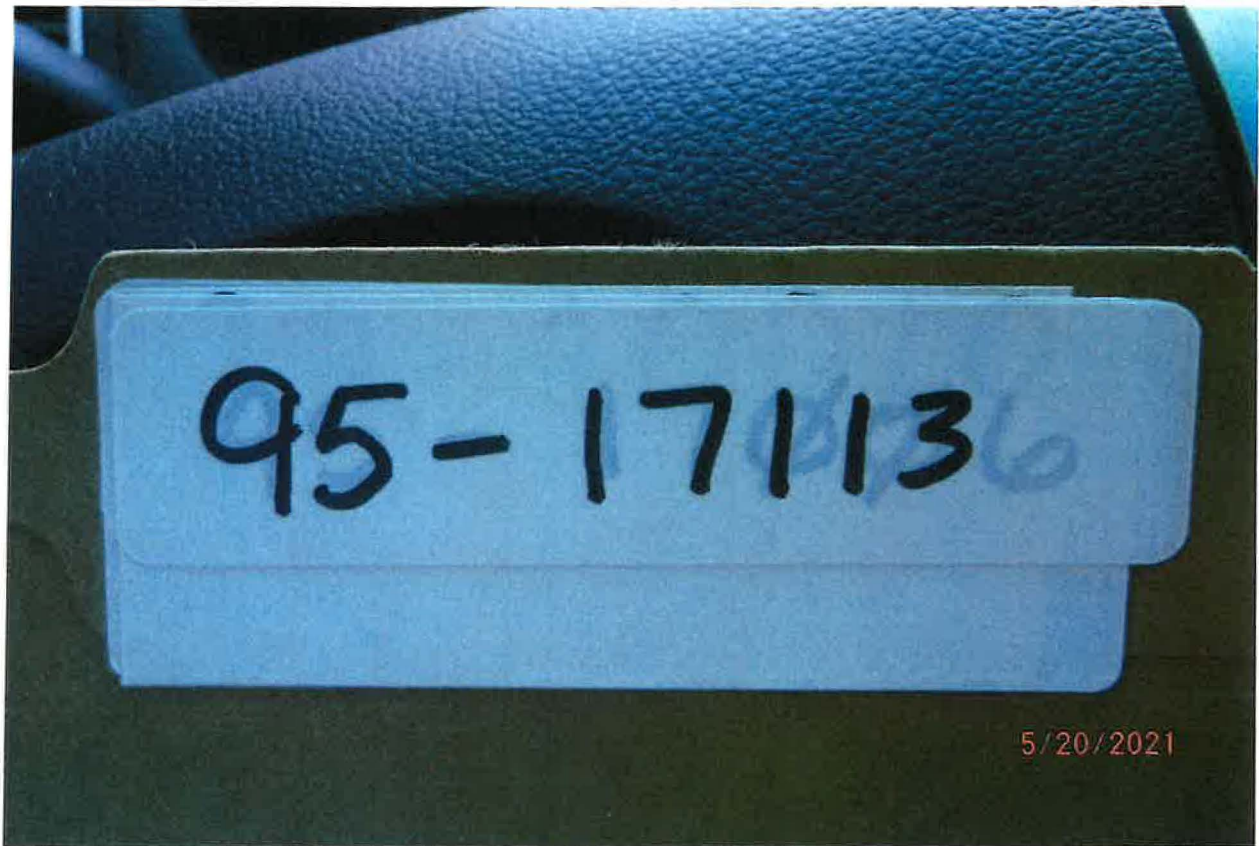
PRESSURE TANK-FLEX2 119GAL

4/21/2020	5/29/2020	TOTAL	6/28/2020	TOTAL	7/29/2020	TOTAL	8/27/2020	TOTAL	9/24/2020	TOTAL
2235	2347	11200	2597	25000	2829	23200	3126	29700	3370	24400
60	60		60		60		60		64	

10/20/2020	TOTAL	11/30/2020	TOTAL	12/17/2020	TOTAL	1/26/2021	TOTAL	2/16/2021	TOTAL
3490	12000	3511	2100	3531	2000	3556	2500	3576	2000
55		60		60		60			

3/26/2021	TOTAL	4/26/2021	TOTAL	5/18/21-CR
3596	2000	3620	2400	3846
63		62		60

2020-2021	
total gallons	161100
total gallons / 325,850 gal/AF	0.494399263
Annual Volume (AF) rounded	0.5 AF



F.E. DATE 5/20/2021



POD – WELL D0069935 & PUMP STATION



WELL D-TAG D0069935 & DEQ TAG E0008827

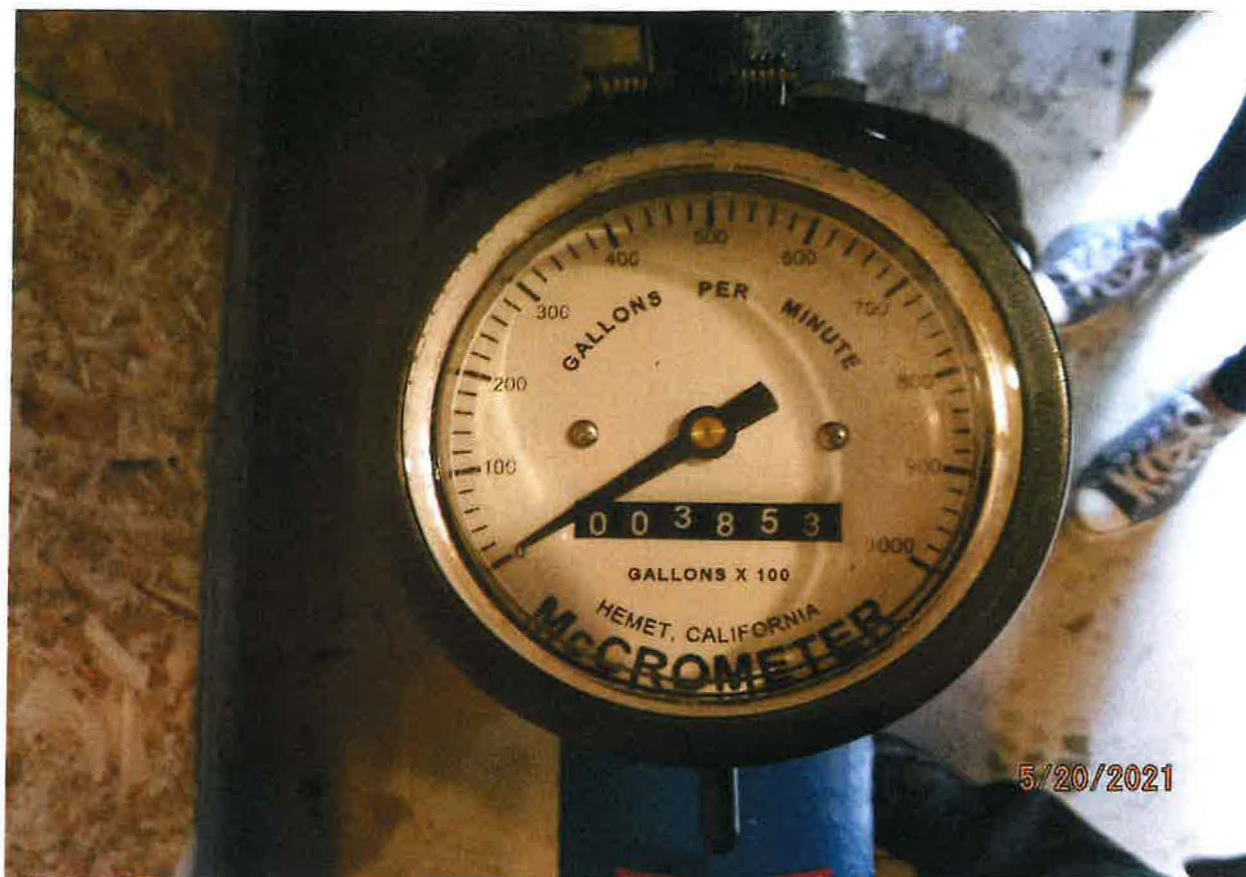


DIVERTING WORKS – 65 GALLON PRESSURE TANK WITH MAIN LINE

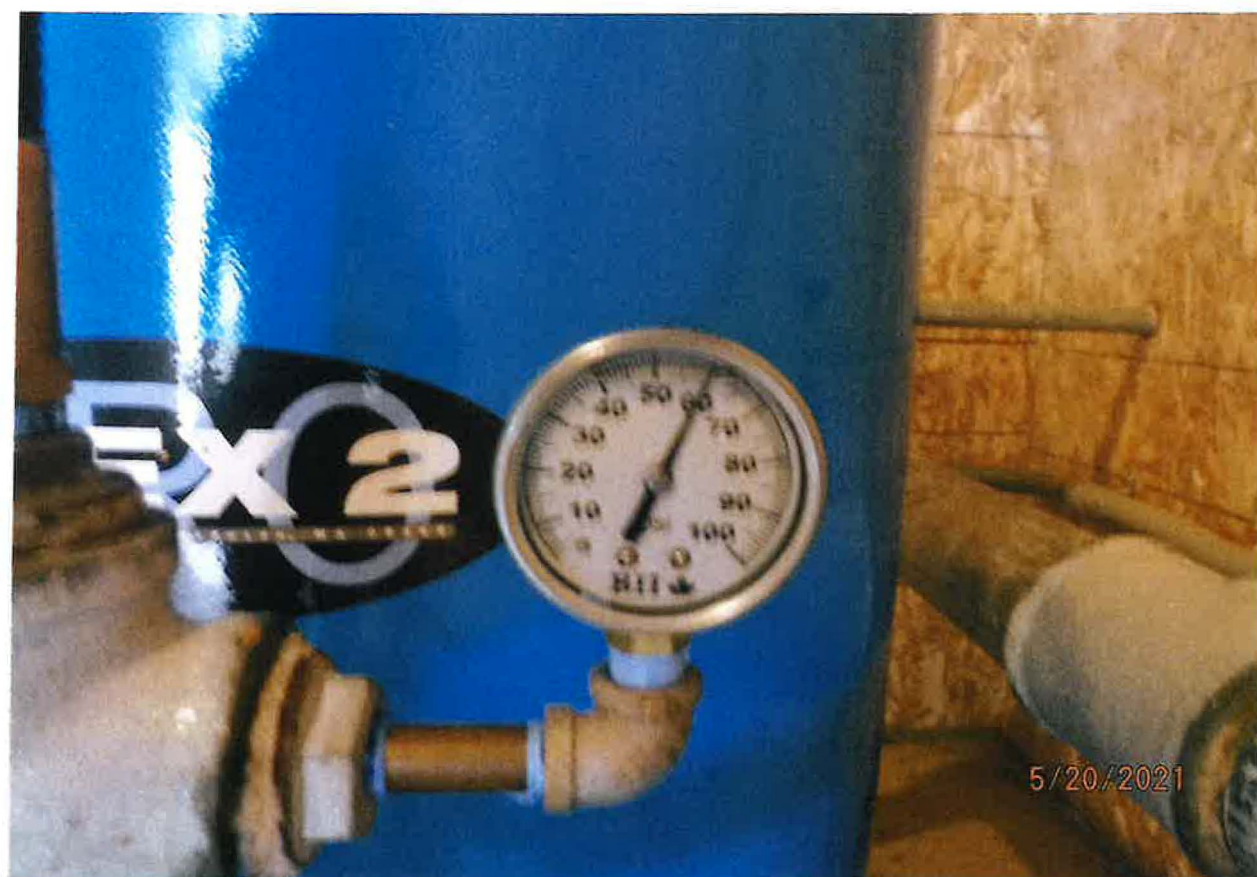


MCCROMETER TOTALIZING FLOW METER – MODEL No. MF104, S/N# 16-12377





McCrometer TOTALIZING FLOWMETER



60 PSI SYSTEM OPERATING PRESSURE



FLOW MEASUREMENT TAKEN AT SYSTEM BLOW-OUT VALVE



FLOWMETER USED FOR FLOWMEASUREMENT—SYSTEM FLOW STABILIZED AT 90 GPM
(NOT REPRESENTED IN THIS PHOTOGRAPH)



STUB-IN: LT1, BLK2, LAKELAND MEADOWS 1ST ADD SUBDIVISION – RPOL1350020010



STUB-IN: LT2, BLK2, LAKELAND MEADOWS 2ST ADD SUBDIVISION – RPOL1350020020



STUB-IN: LT3, BLK2, LAKELAND MEADOWS 2ST ADD SUBDIVISION – RP0L1350020030



STUB-IN: LT12, BLK1, LAKELAND MEADOWS 1ST ADD SUBDIVISION – RP0L1220010120



MUNICIPAL POU – 25258 N WERE RD, LT 4, BLK 2, LAKELAND MEADOWS 2ND ADD SUBDIVISION





MUNICIPAL POU – 5626 W SPARROWHAWK DR, LT 8, BLK 1, LAKELAND MEADOWS 1ST ADD SUBDIVISION





MUNICIPAL POU – 5626 W SPARROWHAWK DR, LT11, BLK 1, LAKELAND MEADOWS 1ST ADD SUB.





MUNICIPAL POU – 5718 W SPARROWHAWK DR, LT 7, BLK 1, LAKELAND MEADOWS 1ST ADD SUB.





MUNICIPAL POU – 5798 W SPARROWHAWK DR, LT 6, BLK 1, LAKELAND MEADOWS 1ST ADD SUB.





MUNICIPAL POU – 5930 W SPARROWHAWK DR, LT 5, BLK 1, LAKELAND MEADOWS 1ST ADD SUB.





MUNICIPAL POU – 5867 W SPARROWHAWK DR, LT 9-10, BLK 1, LAKELAND MEADOWS 1ST ADD SUB.





MUNICIPAL POU – 6036 W SPARROWHAWK DR, LT 4, BLK 1, LAKELAND MEADOWS 1ST ADD SUB.





MUNICIPAL POU – 6094 W SPARROWHAWK DR, LT 3, BLK 1, LAKELAND MEADOWS 1ST ADD SUB.





MUNICIPAL POU – 24900 N WITT RD, LT 2, BLK 1, LAKELAND MEADOWS 1ST ADD SUB.





MUNICIPAL POU – 24941 N WITT RD, LT1, BLK 1, LAKELAND MEADOWS 1ST ADD SUB.





FIRE PROTECTION POU – EXAMPLE FIRE HYDRANT CONNECTION

