



STAFF REPORT
TOWN COUNCIL MEETING OF JUNE 9, 2015

TO: HONORABLE MAYOR AND MEMBERS OF THE TOWN COUNCIL

FROM: BRIAN FRAGIAO, DIRECTOR OF PUBLIC WORKS

DATE: JUNE 1, 2015

RE: INFORMATION ON A WATER COLLECTION SYSTEM AT THE BLUE ANCHOR PARK SPRAY PAD

Recommendation:

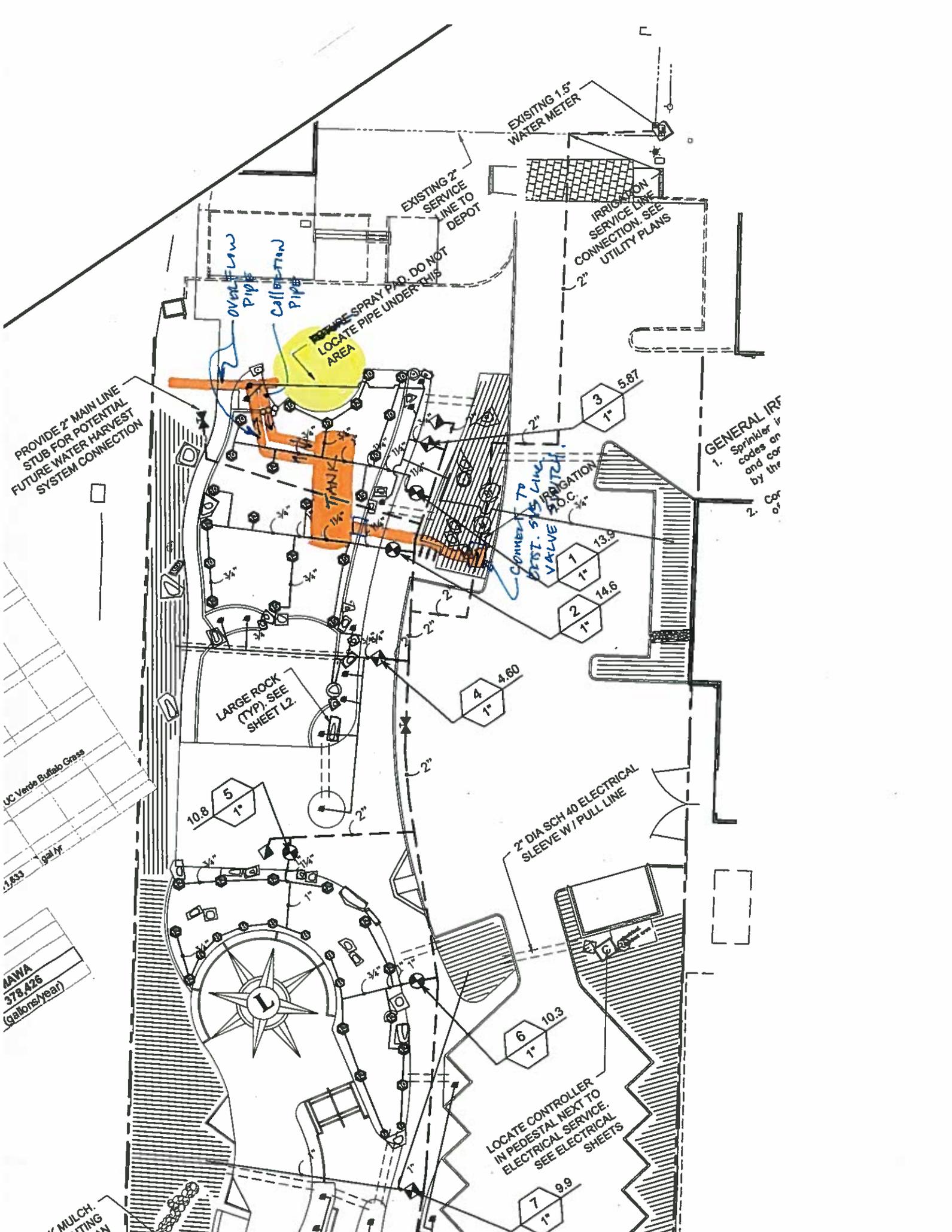
Discuss and give direction.

Issue Statement and Discussion

At the May 12, 2015 Town Council meeting, Council directed staff to look into reusing the spray pad water for irrigating the Blue Anchor Park landscape. The spray pad would collect play-use and rain water in an underground tank. The tank would be located in the grass area. The tank would be connected to the irrigation system to be used as a backup to the treated water system. The park was initially calculated to average roughly 600 gallons per day for landscape watering. The collection system items and costs associated are as follows:

Underground tank:	1500 – 2600 gallons	\$2,700 - \$4,000
Electric Pump:	1 – 3 Horsepower	\$500 - \$1,000
Materials & Accessories		\$1,000 - \$1,500
Labor (Installing system, excavating, repairing existing)		\$10,000 - \$15,000
20% Contingency		<u>\$3,000 - \$4,500</u>
Estimated cost to install system		+/- \$17,000 - \$26,000

The estimated cost could be higher, if the contractor damages or relocates unforeseen existing improvements.



PROVIDE 2" MAIN LINE
STUB FOR POTENTIAL
FUTURE WATER HARVEST
SYSTEM CONNECTION

UC Verde Buffalo Grass
1.853 gal/yr

MAWA
378,426
(gallons/year)

MULCH
SETTING
AN

LARGE ROCK
(TYP.) SEE
SHEET L2

10.8
1"

TANK

LOCATE SPRAY PAD. DO NOT
LOCATE PIPE UNDER THIS
AREA

Overflow
Pipe
Collection
Pipe

EXISTING 2"
SERVICE
LINE TO
DEPOT

EXISTING 1 1/2"
WATER METER

IRRIGATION
SERVICE LINE
CONNECTION. SEE
UTILITY PLANS

CONNECT TO
EXIST. SPLY LINE
VALVE
IRIGATION
A.O.C.

GENERAL IRT
1. Sprinkler ir
codes on
and cor
by the
2. Cor
of

2" DIA SCH 40 ELECTRICAL
SLEEVE W/ PULL LINE

LOCATE CONTROLLER
IN PEDESTAL NEXT TO
ELECTRICAL SERVICE.
SEE ELECTRICAL
SHEETS

7
1"

6
1"

1
1"

2
1"

3
1"

5.87

4
1"

4.60

10.3

13.5

14.6

9.9