

# Staff Report

for the Board of Directors of December 14, 2016

**TO:** Board of Directors

**FROM:** Gary D. King, Engineering Manager

**DATE:** December 7, 2016

**SUBJECT:** Budget Amendment – Table Meadows Option 3 Pipeline Funding

***ENGINEERING***

---

---

**RECOMMENDATION:**

Approve a Budget Amendment to transfer unused funds in the Capital Programs to the Table Meadows project as recommended by the Engineering Committee

**BACKGROUND:**

The Table Meadows Project (Project) is under the Community Investment Program. The Project is in an area with poor quality and quantity wells with numerous property owners having water trucked in for home use and property. Unfortunately, during a peak day, the proposed Project design would not meet NID hydraulic standards and that we could not design around this issue. To resolve this issue, staff developed an options analysis as shown on the attached maps. Through this options analysis, the issue was resolved with the modification of an existing pump station and extension of a pipeline.

The options analysis was discussed in the Engineering Committee on September 20, 2016. It was determined that the Option 3 extension was the best for the District and the residents of the area. Option 3 is the extension of a water main on Rodeo Flat to Scooter Bug Lane then to China Hollow, then to the Project. This option requires approximately 8,600 LF of water main and will create the opportunity for 36 additional customers to reimburse the District for the 8 and 10-inch pipeline. These additional customers are not part of the Project and if they connect will pay their fair share of the pipeline. Also, the option requires the renovation of the existing pump station instead of a new station.

This Budget Amendment will transfer excess funds in the 2016 Capital budget and allocate these funds to the pipeline portion of Option 3 and carry it over into 2017. Currently, this project is out to bid, and we are expecting to bring the Table Meadows pipeline and modifications to the existing pump station to the Board in January of 2017. This will be for the final approval of funds and contract before construction.

**BUDGETARY IMPACT:**

The anticipated costs for the pipeline are \$1,100,000 and will utilize funds not used in the 2016 budget as outlined in the attached budget amendment. Ultimately, if all the anticipated properties connected to the 8-inch water main extension per the pipeline reimbursement policy then the District would be fully reimbursed for the pipeline.

Attachments: Budget Amendment, maps of options and project

GDK

NEVADA IRRIGATION DISTRICT
<b>BUDGET AMENDMENT REQUEST</b>

DATE :  
 TO : Remleh Scherzinger, MBA, PE, General Manager  
 FROM: Gary D. King, Engineering Manager                      Initials: \_\_\_\_\_  
 FROM:

A budget amendment is hereby requested for the following items:

1) Budgeted operating/capital revenue/expenditure line item:

	<u>Department</u>	<u>Object #</u>	<u>Project/Facility #</u>	<u>Increase/(Decrease)</u>
a)	10151	52907		\$ (250,000.00)
b)	10151	52908		\$ (50,000.00)
c)	10151	52909		\$ (300,000.00)
d)	10151	52911		\$ (200,000.00)
e)	10151	52912		\$ (100,000.00)
f)	10151	52915		\$ (200,000.00)

2) Unbudgeted operating/capital revenue/expenditure line item:

	<u>Department</u>	<u>Object #</u>	<u>Project/Facility #</u>	<u>Increase/(Decrease)</u>
a)	10151	52912	2059	\$ 1,100,000.00
b)				

Explanation:

1) Budgeted operating/capital revenue/expenditure line item:

- a) Funds not used in the Pipeline Replacement Program
- b) Funds not used in the PRV Replacement Program
- c) Funds not used in the Minor Systems Repair Program
- d) Funds not used in the Backbone Extension Program
- e) Funds not used in the Community Investment Program
- f) Funds not used in the Non-Programmatic Project Program

2) Unbudgeted operating/capital revenue/expenditure line item:

- a) Option 3 segment of the Table Meadows project
- b) \_\_\_\_\_

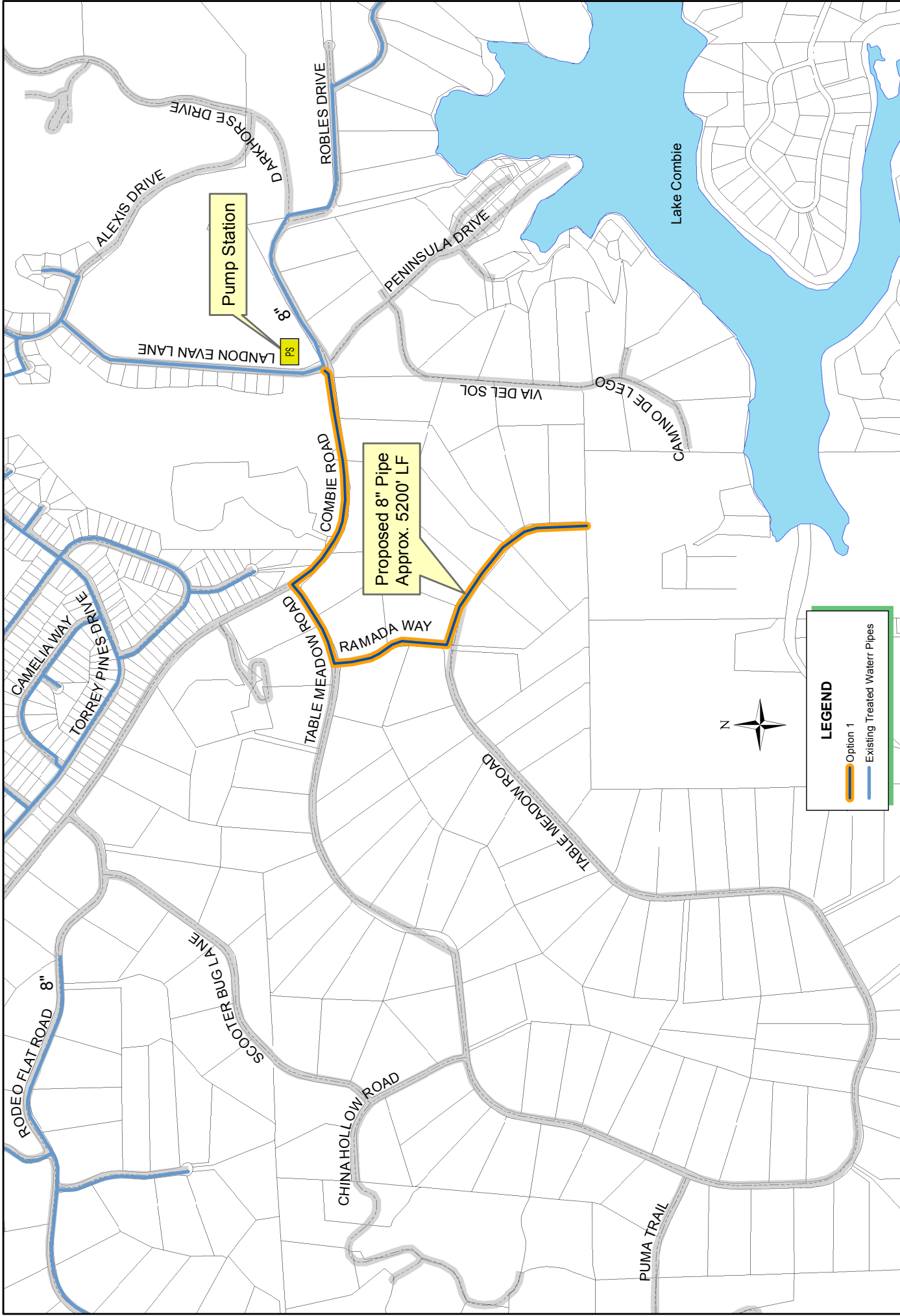
**APPROVALS:**

	<u>Date</u>	<u>Signature</u>	<u>AGM/FM Initials</u>	<u>Approved/Denied</u>
Level I				
Level II				
Level III				

Option	Project descriptions	Pump station cost	Pipeline cost	Total Project Cost
1	Construction of a new pump station with a total of 5 pumps (1-small, 3-large and 1-fire) on Combie Road at Landon Evan Lane and approximately 5200lf of 8" pipeline	\$ 500,000.00	\$ -	\$ 500,000.00
2	Upgrade Rodeo Flat Pump Station to a total of 5 pumps (1 of which is a fire pump) and construct approximately 4000 lf of additional 8" pipeline	\$ 300,000.00	\$ 499,200.00	\$ 799,200.00
3	Upgrade Rodeo Flat Pump Station to a total of 5 pumps (1 of which is a fire pump) and construct approximately 8500 lf of additional 8" pipeline	\$ 300,000.00	\$ 1,060,800.00	\$ 1,360,800.00

Notes: Costs do not include the Table Meadows Project costs.

Fire flow was considered in the evaluation at 1000 gpm. Pipeline costs include the cost for 8" pipe estimated at \$96 per foot; and contingency to include design, CEQA, misc overhead, service lines and other pipeline appurtances at 30% of the cost for the pipe.



S:\arcview\tablemeadows\Option1.mxd



**NEVADA IRRIGATION DISTRICT**

NEVADA COUNTY -- PLACER COUNTY  
GRASS VALLEY, CALIFORNIA

**TABLE MEADOWS WATERLINE EXTENSION - OPTION 1**

Drawn By: D. HUNT Date: 8/4/2016

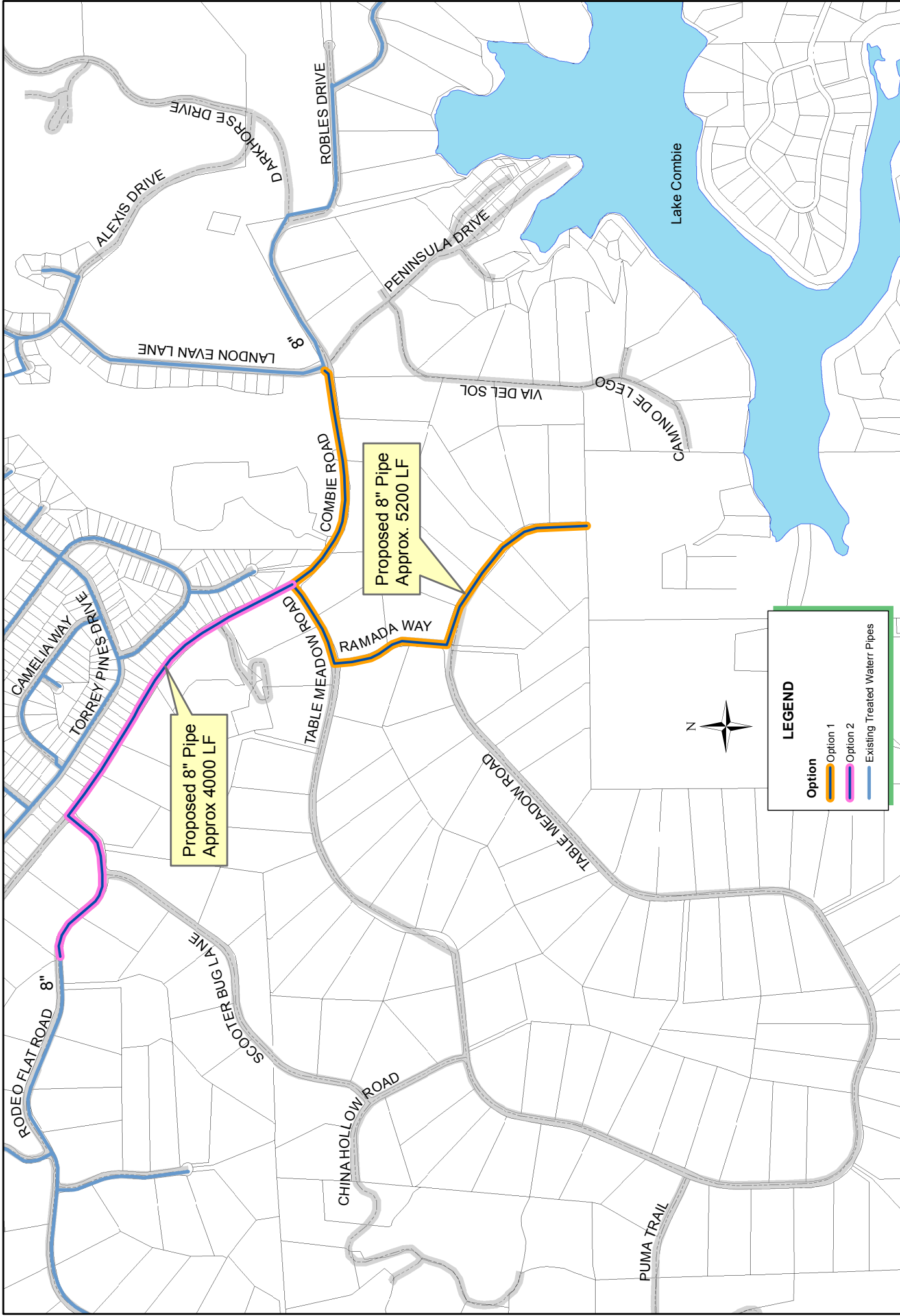
Scale: 1" = 1000' @ 8-1/2x11

Sheet: 1 of 1

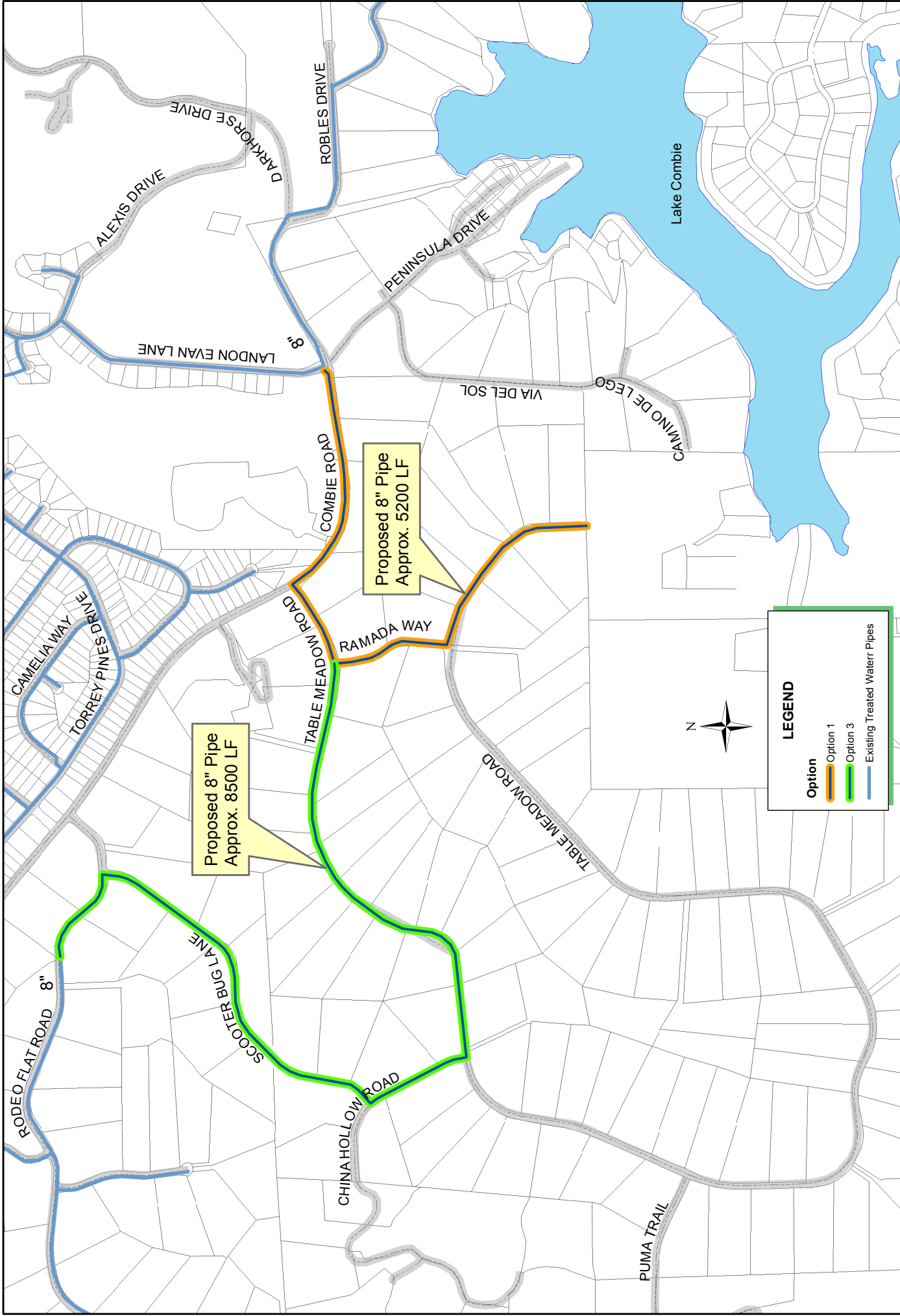
**LEGEND**

-  Option 1
-  Existing Treated Water Pipes





S:\arcview\TableMeadows\Option2.mxd



S:\arcview\TableMeadows\Options3.mxd

