

6027-013
**Leisure Lake Watershed
Improvement Project**

January 1, 2007 – December 31, 2009

FINAL REPORT

prepared by

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January 1, 2007 – November 30, 2009

Financial Accountability

Watershed Improvement Funds			
	Total Funds Approved	Total Funds Expended	Available Funds
Equipment	\$ 1,000	\$ 0.00	\$ 1,000.00
Engineering	\$ 68,250	\$ 68,250.00	\$ 0.00
Project Administration	\$ 60,000	\$ 39,997.24	\$ 20,002.76
Program Audit	\$ 10,000	\$ 0.00	\$ 10,000.00
Lagoon – controlled discharge	\$ 18,400	\$ 0.00	\$ 18,000.00
Pipes	\$ 13,500	\$ 0.00	\$ 13,500.00
Manholes	\$ 2,300	\$ 0.00	\$ 2,300.00
Seal/riprap/crushed stone	\$ 19,000	\$ 0.00	\$ 19,000.00
Fences, gates, signs	\$ 6,050	\$ 0.00	\$ 6,050.00
Spetic Collection Systems	<u>\$ 301,500</u>	<u>\$ 0.00</u>	<u>\$ 301,500.00</u>
	\$ 500,000	\$ 108,247.24	\$ 391,752.76

Explain significant differences between the approved application budget and actual amounts expended of Watershed Improvement Funds and any unspent balance.

Differences between the approved application budget and actual amounts contributed by the various funding sources is due to delay in land acquisition and flood in 2008.

The WIRB approval of the Lytle Creek WIRB application will now allow implementation to incorporate the community of Leisure Lake to reduce nutrient and bacteria impairments to the Maquoketa River and local groundwater resources.

Total Project Funding

Funding Source	Cash		In-Kind Contributions		Total	
	Approved Application Budget (\$)	Actual (\$)	Approved Application Budget (\$)	Actual (\$)	Approved Application Budget (\$)	Actual (\$)
WIRB	500,000		0	0	500,000	108,247
Limestone Bluffs			0	485		485
EIRUSS	2,406,910	8,232			2,406,910	8,232
EIRUSS (F. Frieberg)				23,040		23,040
Totals	2,906,910	8,232		23,525	2,906,910	140,004

Watershed Improvement Fund contribution: Approved application budget: 17.2
Actual: 77.3%

Explain differences between approved application budget and actual amounts contributed by various funding source.

EIRUS does not have the matching funds available. The majority of the matching funds will be provided through a USDA-RD loan/grant. The USDA-RD is committed to this project, but cannot release funds until close to the construction phase. The expenditures throughout this grant were for engineering design and other preliminary work prior to construction phase.

Environmental Accountability

Summarize water quality monitoring completed relevant to this project. Analyze the data and interpret the results. What conclusions can be made? Is additional monitoring recommended?

The water quality monitoring relevant to this project cannot be completed because the construction of the wastewater system has not been completed. Therefore, no conclusions can be made at this time.

Summarize the practices installed (i.e. structures built, septic systems renovated, etc) and activities (meetings, workshops, news releases) completed vs. what was planned to be completed as listed in the approved application budget. This summarization should include activities completed by project partners listed in and part of the approved application. Other practices installed within the same watershed area of the project and add to the water quality or flood prevention measures over and above the WIRB-funded project may also be included in the report. Reporting of these practices illustrates additional efforts that were generated due to the WIRB-funded project.

As noted above, the construction of this project has not begun. However, it is estimated that 310 septic systems will be removed with all households connected to the proposed wastewater system. The septic systems range from a small number of County permitted septic systems to holding tanks to deteriorating steel barrels. A large percentage of these drain untreated wastewater indirectly into Leisure Lake as well as underground water sources.

6027_013_Leisure Lake Location Map depicts the locations of the proposed wastewater treatment lagoon.

6027_013_Leisure Lake Proposed Lagoon Site
6027_013_L L Proposed Lagoon Site Layout

Include maps of the project area showing “before” and “after” accomplishments due to the project. Photos or line drawings of practices implemented that illustrate how the practice functions to provide environmental benefits are also acceptable.

As stated before construction has not begun.

Practices and Activities

Practice or Activity	Unit	Approved Application Goal	Accomplishments	Percent Completion
Septic Tank Removal	No.	310	0	0

Summarize in-field pollutant reductions and targeted water resource loading reductions documented in the project area. Were the environmental goals stated in the application attained? Explain. What other environmental outcomes can be documented (i.e. changes in human behavior, changes in benthic macroinvertebrate ratings, etc.)?

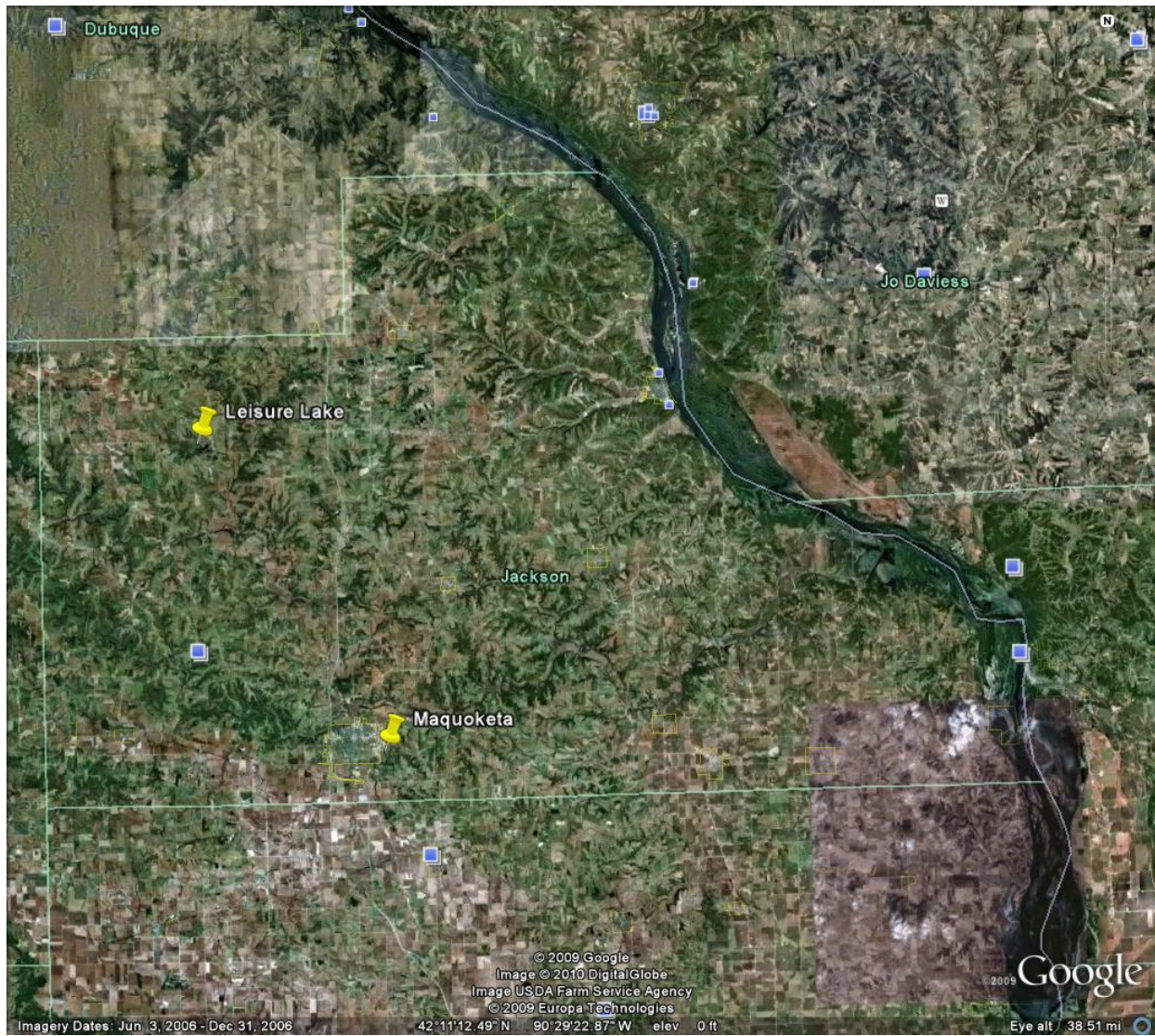
EIRUSS does not have the matching funds available. The expenditures throughout this grant were for engineering design and other preliminary work prior to the construction phase. Therefore the pollutant reductions cannot be documented at this time.

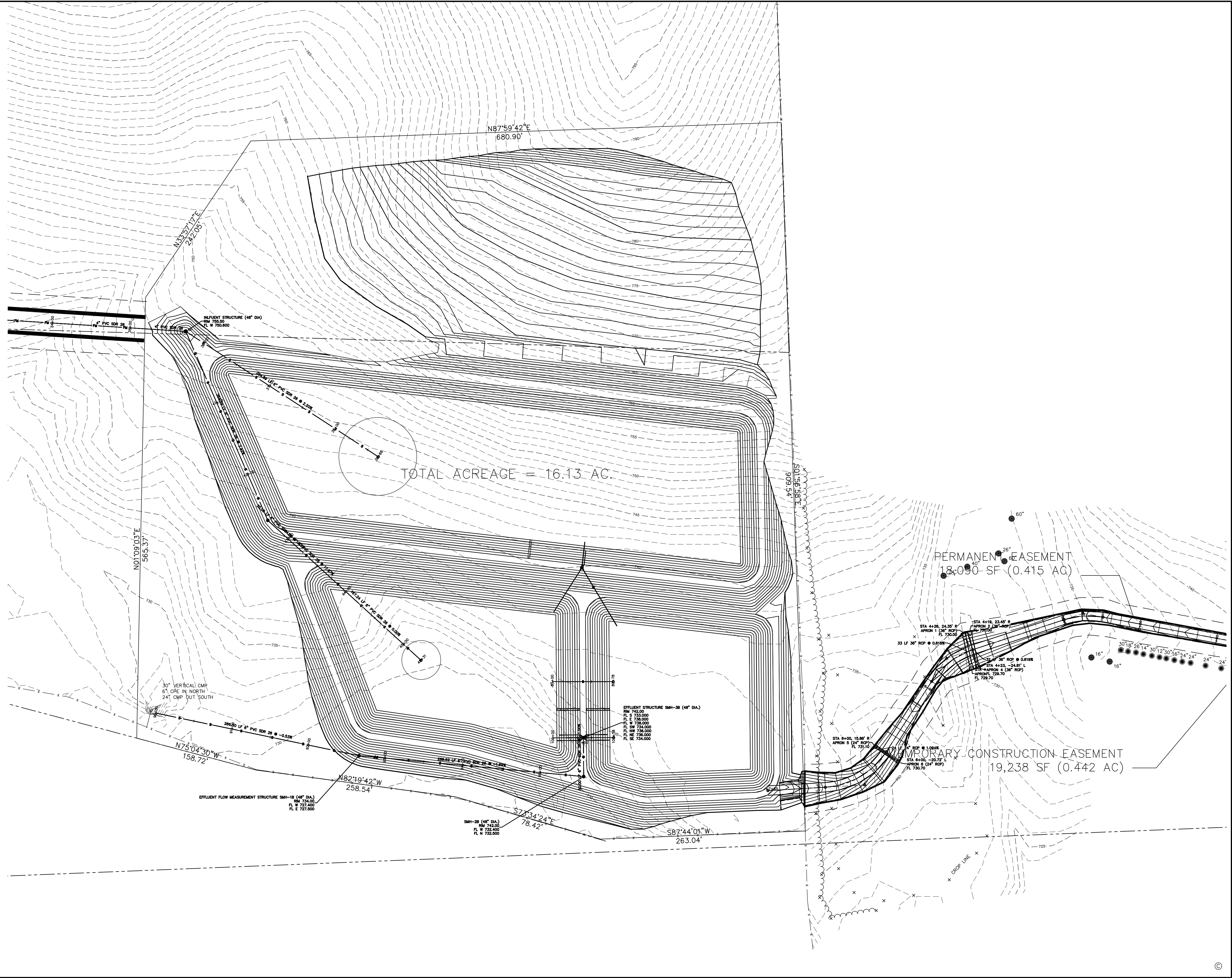
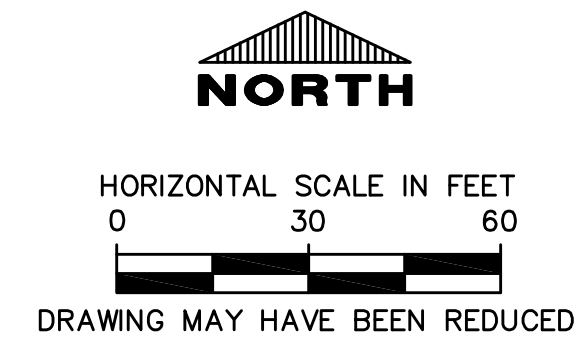
Program Accountability

What activities were completed to expand the impact of the project? How were challenges overcome and resolved to allow the project to move forward? What lessons were learned that may be helpful to other project program managers? Submit recommendations for improvement and what limitations exist for replication.

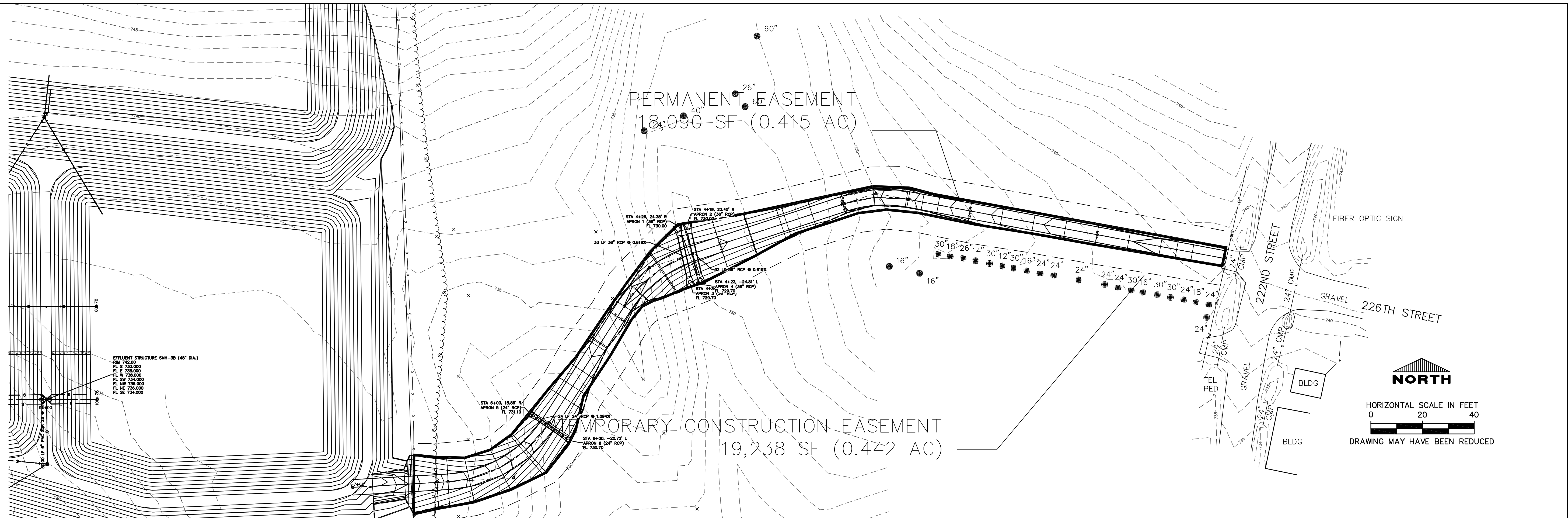
As noted, construction has not begun on the project. Therefore, the sole impacts to date are environmental education impacts to residents related to the septic systems, improper discharges, etc. The major challenges have been formally securing the matching funds for the project and gaining access to the land necessary to complete engineering design and eventual land acquisition for the lagoon site. Because of these problems, a new project (Lytle Creek) is being implemented to carry on activities in order to construct a wastewater collection and treatment system for the incorporated community of Leisure Lake.

Map of Leisure Lake

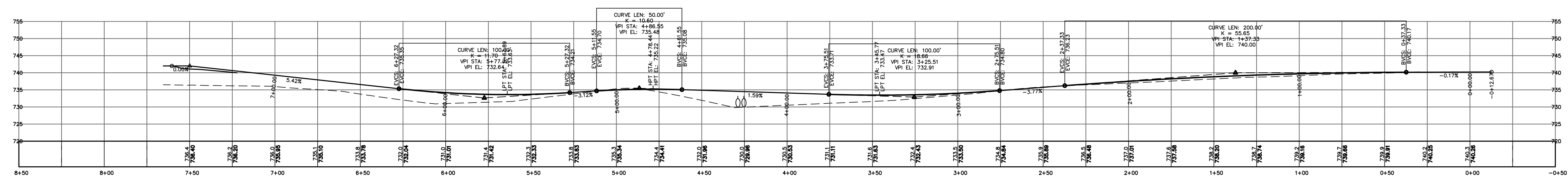




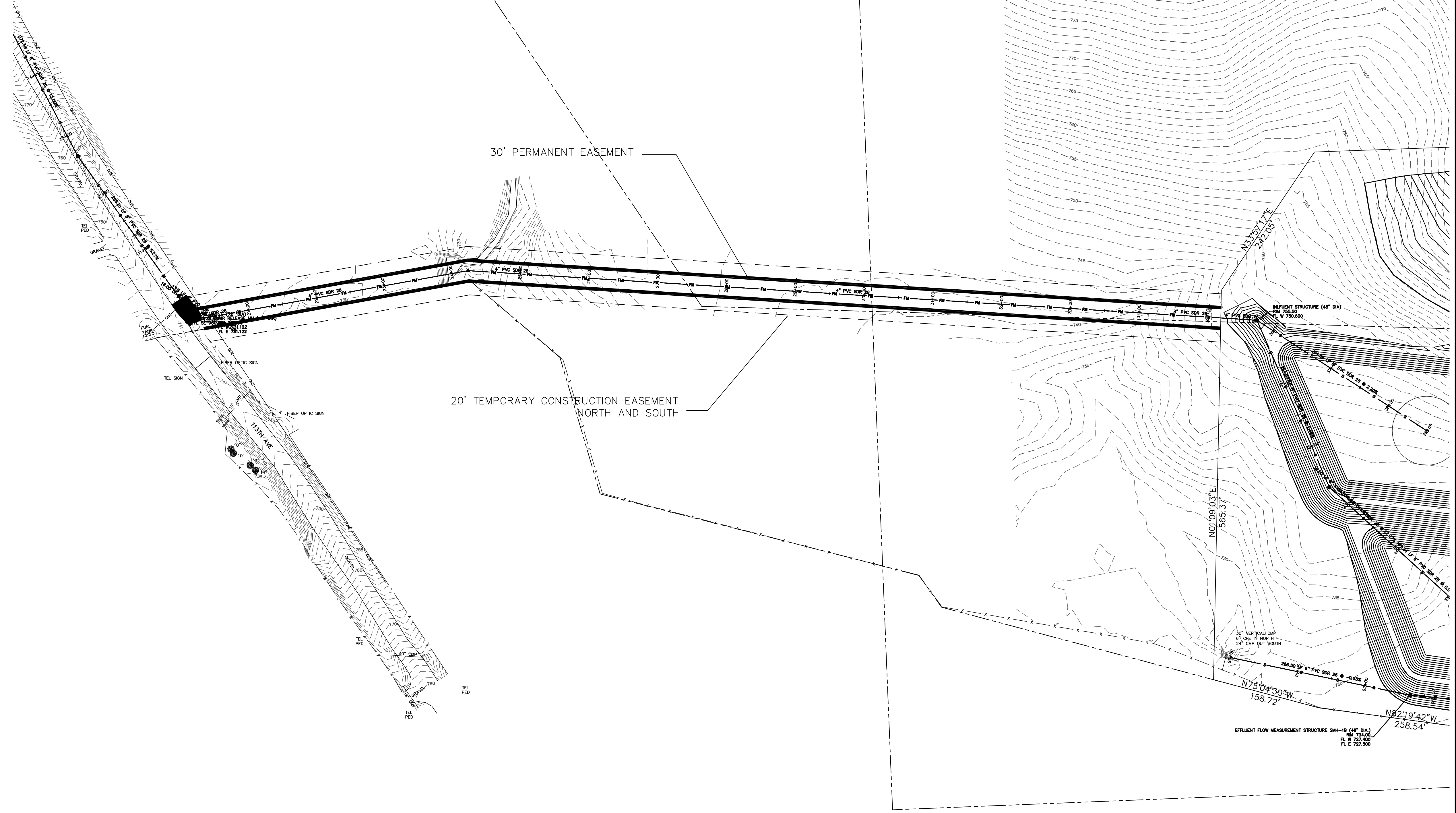
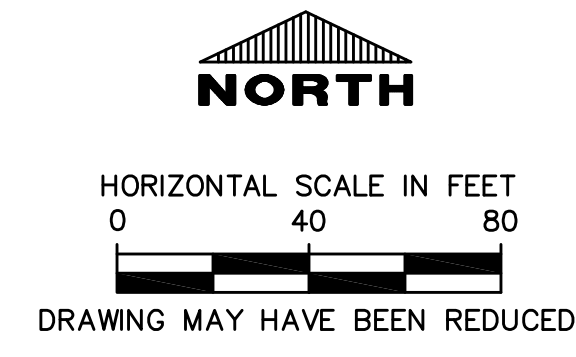
Project Description:	PRELIMINARY LAYOUT
Project Title:	LEISURE LAKE WASTEWATER COLLECTION AND TREATMENT SYSTEM
Rev:	Issued For:
Issued Date:	Rev By:
06-15-09	ARC
09-30-09	ARC
ADDITIONAL TOPOGRAPHIC SURVEY	
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Project Mgr: RWB	
Project Number:	
05149-02	
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LAGOON ACCESS ROAD



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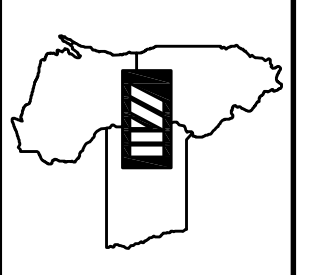


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