



State Revolving Fund Loan Programs **Drinking Water, Wastewater, Nonpoint Source**

PRELIMINARY DECISION OF CATEGORICAL EXCLUSION

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

LIBERTY REGIONAL WASTE DISTRICT
Wastewater Collection System Improvements
Preliminary Engineering Report Addendum #2
SRF # WW09 85 18 01

Date: December 28, 2011

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the District's Preliminary Engineering Report Addendum #2 will have no substantial negative environmental impact. Therefore, the SRF is issuing a preliminary decision of Categorical Exclusion from the requirements of substantive environmental review.

How were environmental issues considered?

The National Environmental Policy Act requires agencies disbursing Federal funds to include environmental factors in the decision making process. A summary of the project is attached for your review. The SRF's preliminary review has found that the proposed project does not require the preparation of either an Environmental Assessment or Environmental Impact Statement.

Why is additional environmental review not required?

Our environmental review has concluded that significant environmental impacts will not result from the proposed action.

How do I submit comments?

Comments can be submitted to:

Amy Henninger, Senior Environmental Manager
SRF Programs
317-232-6566; ahenning at ifa.in.gov

CATEGORICAL EXCLUSION

I. PROJECT IDENTIFICATION

Project Name and Address: **Wastewater Collection System Improvements
Preliminary Engineering Report Addendum #2**
Liberty Regional Waste District (RWD)
316 S. Albany Street
Selma, Indiana 47383

SRF Project Number: WW098518 01

Authorized Representative: Mr. Ronald Barrett, Board President
Liberty RWD

II. PROJECT LOCATION

Liberty RWD is located east of Muncie in Delaware County. The proposed project area is located in Liberty Township, Township 20 North, Range 10 and 11 East, sections 7, 8, 9, 12, and 17, Muncie East USGS 7.5' quadrangle. All work will be performed in existing manholes and sewer mains. See Figure 3.

III. PROJECT NEED AND PURPOSE

The Liberty RWD collection system is a separate sanitary sewer system consisting of gravity sewers from 8 to 21 inches in diameter, force mains from 4 to 15 inches in diameter, precast concrete manholes, and 19 lift stations. All wastewater collected is treated by the Muncie Sanitary District (MSD). The flow to MSD is monitored by a 9-inch Parshall flume located prior to entering an existing MSD sanitary sewer manhole. The original PER and Addendum #1 included rehabilitation of sanitary sewers, manholes, and lift stations, new lift station telemetry, and new standby generators. The proposed Addendum #2 includes the following:

- Cleaning, raising casting, and lining manholes – 4 EACH
- Raising, resetting, or replacing manhole frames and riser rings – 20 EACH
- Clean and televise 18-inch main sewer interceptor – 3,300 LF
- Clean and televise 21-inch main sewer interceptor – 5,000 LF
- Permanent standby generator for Hyde Park Lift Station – 1 EACH
- Transfer switch for Hyde Park Lift Station – 1 EACH
- Telemetry upgrade for Hyde Park Lift Station – 1 EACH
- Portable flow meters – 2 EACH
- Additional spare parts for lift stations and SCADA/telemetry panels if funds are available

For manhole rehabilitation, the no action alternative was dismissed because the existing inflow/infiltration (I/I) problem would continue to increase, resulting in unnecessary treatment of non-wastewater. Manhole rehabilitation with a composite liner will result in a decrease of I/I

currently seen by the system, therefore decreasing the flow of water requiring treatment. The I/I reduction amount is expected to be approximately the same as stated in the original approved PER. See Figure 1.

The main sanitary sewer interceptor along S.R. 32 pipe segment has never been cleaned, and is a suspected source of I/I. No action would not decrease the amount of I/I and the condition of both the sewer main and manholes along the route would remain unknown. See Figure 2.

A permanent generator and automatic transfer switch for Hyde Park Lift Station is needed in an emergency situation such as power loss. The existing SCADA/telemetry equipment for this lift station has reached the end of its useful life, and cannot accept the additional alarm outputs from the proposed generator. The Hyde Park Lift Station accepts sanitary flow from Hyde Park and two other subdivisions lift stations. During a power outage, no action would result in several customers losing their means of sewage disposal, and potential release of untreated wastewater to the environment.

Purchasing two portable flow meters, flow sensor mounting rings, and software will allow Liberty RWD staff to identify potential sources of I/I on their own. No action would result in continued I/I issues within the collection system as a result of aging sewer mains and manholes.

Purchasing spare parts for both existing equipment and newly installed equipment that was provided in the recent lift station rehabilitation Contract B will avoid maintenance delays in the future. No action would result in longer wait times for spare parts such as oil and air filters for generators, spare variable frequency drive for lift station control cabinets, motor starters, pump rebuild kits, and SCADA/Telemetry parts such as radios, I/O boards, and relays.

IV. ESTIMATED PROJECT COSTS AND FUNDING

The opinion of total probable cost for Addendum #2 items described above is approximately \$138,950. Liberty RWD will finance these projects with its existing SRF loan.

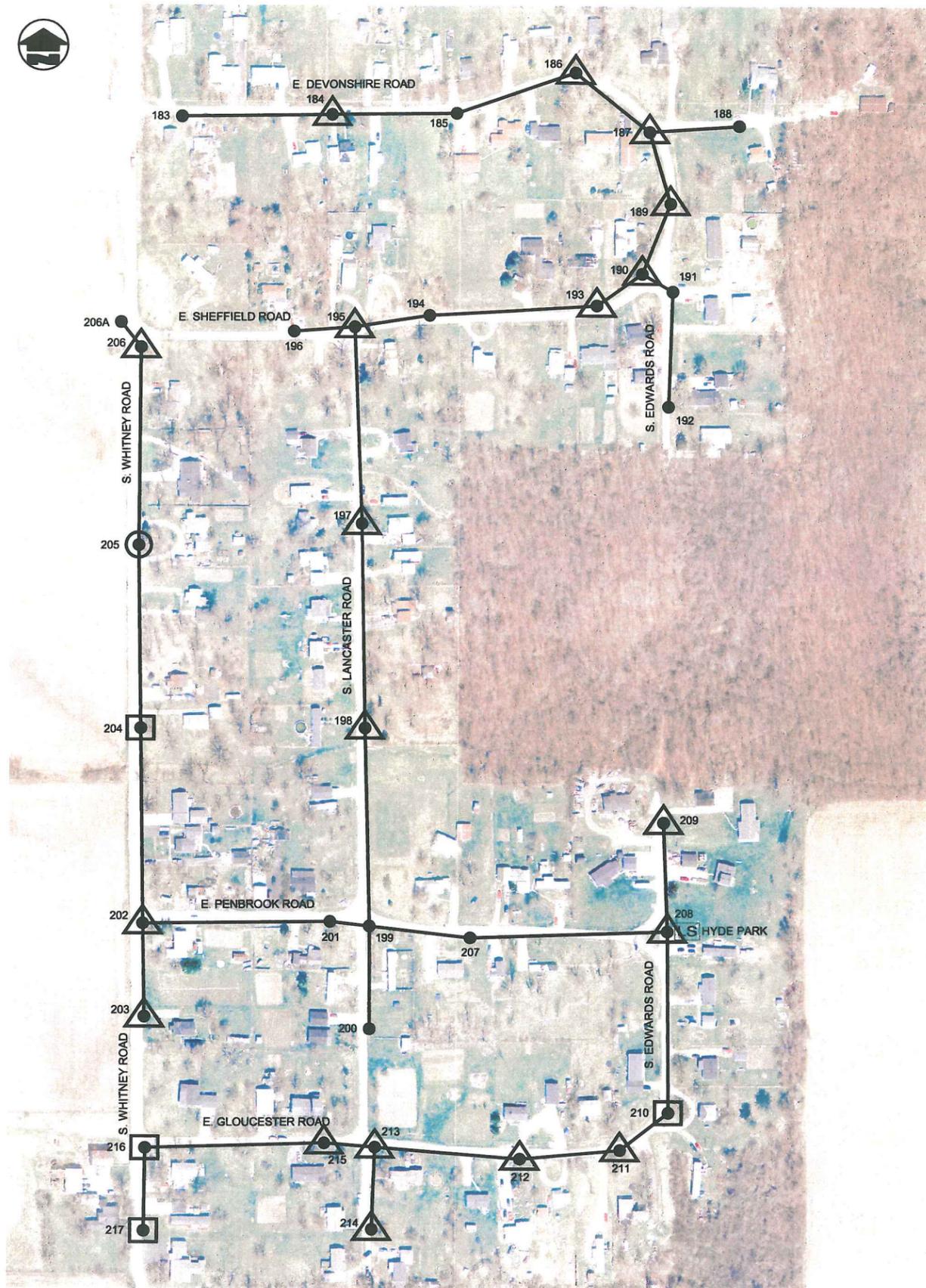
V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

The environmental impacts will be minimal. All project activities will take place within existing sewers, lift stations and manholes. There will be no disturbance of the ground around the lift station. The project will not affect historic sites, including sites on or eligible for listing on the National Register of Historic Places, according to the Liberty Township Interim Report and Selma Interim Report (Figure 5) and the historic sites Information on the website of the Indiana Department of Natural Resources Division of Historic Preservation and Archaeology. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "*no historic properties affected.*"

VI. PUBLIC PARTICIPATION

A legal public notice was posted on October 18, 2011 in The Star Press for the Amendment No. 2 to the PER for the proposed project as described in this document. A public hearing was held on October 20, 2011 at 7 p.m. at the Selma Town Hall. There were no written comments received following the public hearing.

FILE NAME: I:\3899-LRWD 2009 WWRReports and Studies\Drawings_Data_Figures\3899 Hyde Park Amd2-2.dwg



SANITARY MANHOLE DEPTH SCHEDULE- ADDENDUM NO.2

MH NO.	MH DEPTH
184	7'
186	6'
187	7.5'
189	10'
190	12'
193	12'
195	12'
197	8'
198	6.5'
202	11'
203	6'
204	6.5'
205	6'
206	7.5'
208	6'
209	5'
210	5.5'
211	9'
212	9'
213	5'
214	5'
215	4.5'
216	8'
217	8'

1. EXISTING SIZES AND DEPTHS OF EXISTING UTILITIES ARE BASED ON BEST INFORMATION AVAILABLE. THE ENGINEER DOES NOT GUARANTEE OR ASSURE THAT SUCH INFORMATION IS TRUE OR APPROXIMATE. THE CONTRACTOR SHALL DETERMINE WHICH UTILITIES MAY CONFLICT WITH HIS WORK AND VERIFY THEIR LOCATIONS, SIZES, AND DEPTHS, ETC. ADJUST HIS WORK ACCORDINGLY, AND NOTIFY THE ENGINEER OF ANY SUCH CONFLICT. THE CONTRACTOR SHALL REFER TO SPECIFICATIONS RELATIVE TO THE ABOVE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE TO STATE, CITY, OR PRIVATE PROPERTY INCLUDING, BUT NOT LIMITED TO, DRIVEWAYS, ROADS, SIDEWALKS, DRAINAGE PIPE SYSTEMS, FENCES, YARDS, DITCHES, ETC. AS A RESULT OF THE CONTRACTORS WORK AND SHALL BE RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE OWNER AND ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE AND SURFACE RESTORATION.
3. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL. AT LEAST ONE LANE OF TRAFFIC SHALL BE OPEN AT ALL TIMES DURING CONSTRUCTION ALONG LOCAL ROADWAYS UNLESS THE CONTRACTOR HAS WRITTEN APPROVAL AND APPROVED TRAFFIC PLAN FROM THE OWNER.

LEGEND

102 ●	EXISTING SANITARY MANHOLE
—	EXISTING SANITARY SEWER MAIN LINE
LS	EXISTING LIFT STATION
⊙	REPLACE CASTING
⊠	APPLY INTERIOR LINER AND RAISE / RESET CASTING
△	RAISE / RESET CASTING ONLY

Regional Vicinity Map

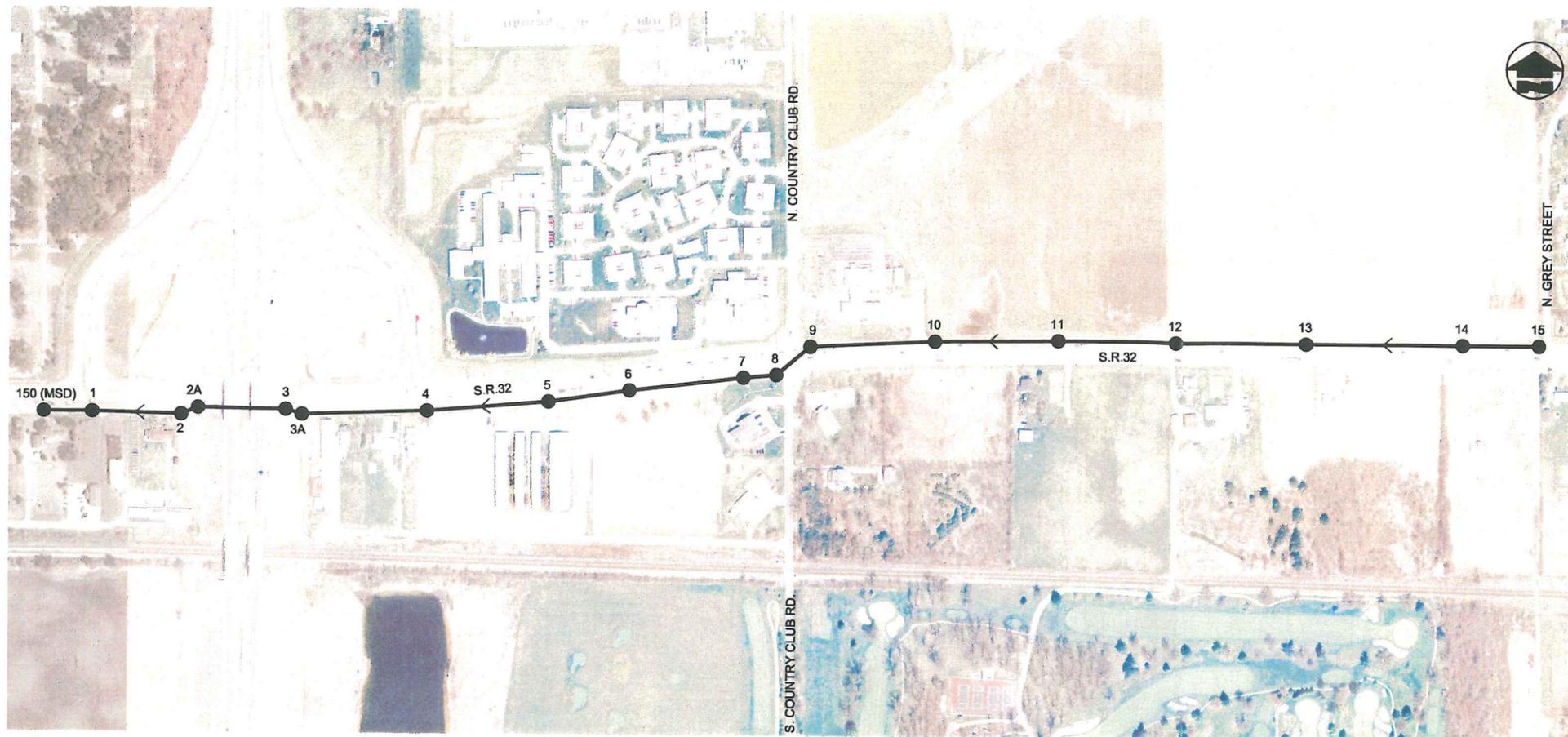


PRELIMINARY ENGINEERING REPORT
**LIBERTY REGIONAL
WASTE DISTRICT**

**FIGURE No.1
MANHOLE
REHABILITATION
PROJECT**

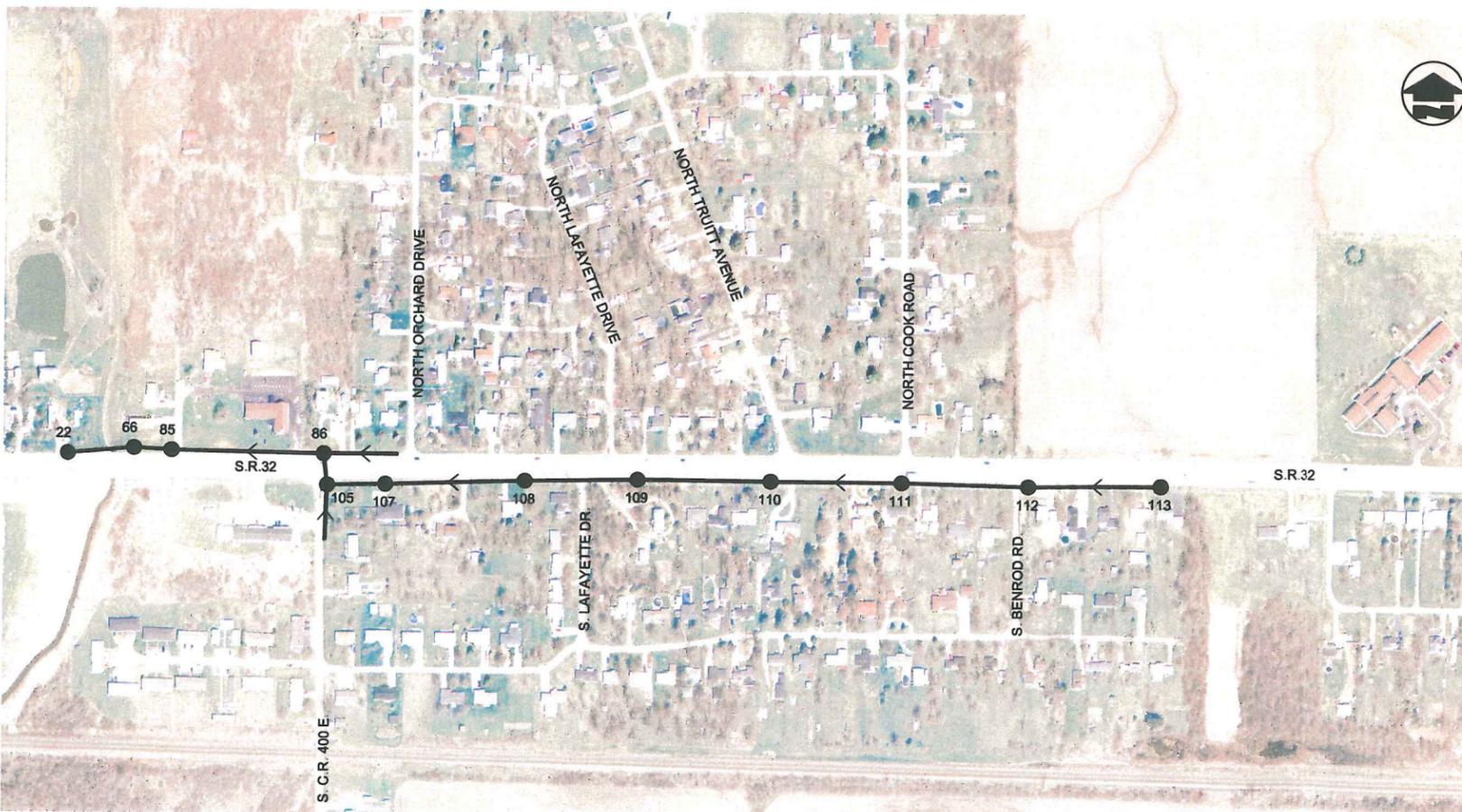
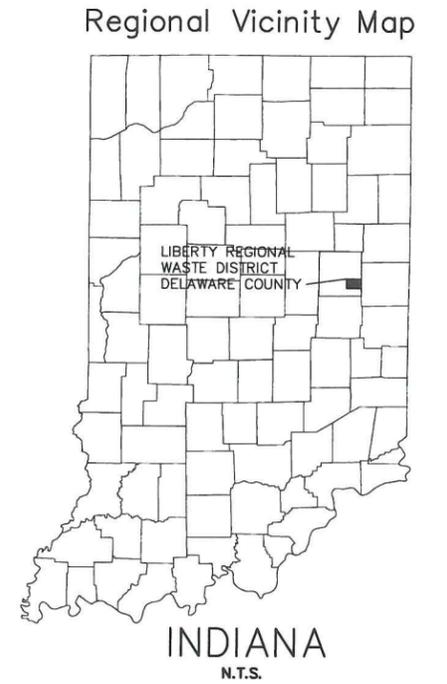
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**SANITARY MANHOLE DEPTH SCHEDULE-
ADDENDUM NO.2**

MH NO. (DOWNSTREAM)	MH DEPTH	LENGTH (DS TO US)
150 (MSD)	7.5'	160'
1	5'	341'
2	9'	39'
2A	8.5'	288'
3	8.5'	63'
3A	7.5'	387'
4	9'	401'
5	7'	394'
6	8'	295'
7	11'	103'
8	10.5'	161'
9	11.5'	430'
10	10.5'	414'
11	8'	401'
12	7'	394'
13	7'	408'
14	7'	371'
15	9'	
22	22'	184'
66	8'	118'
85	12'	476'
86	9'	
105	7'	170'
107	7'	411'
108	9'	347'
109	10'	396'
110	8'	404'
111	6'	378'
112	7'	390'
113	6'	



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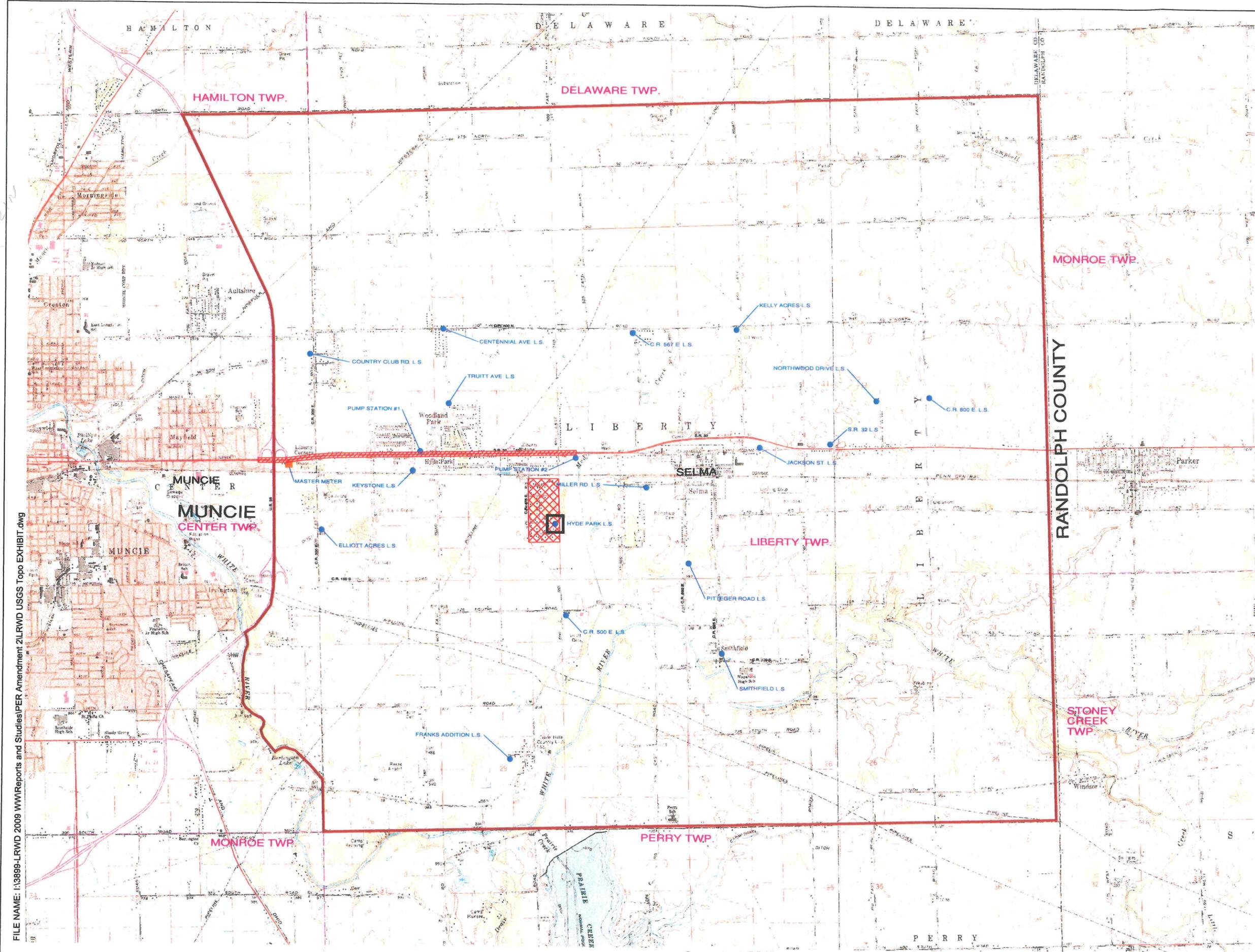
LEGEND

102 ●	EXISTING SANITARY MANHOLE
—	EXISTING SANITARY SEWER MAIN LINE (CLEAN AND CCTV)

PRELIMINARY ENGINEERING REPORT
**LIBERTY REGIONAL
WASTE DISTRICT**

**FIGURE No.2
MAIN LINE
SEWER STUDY
CCTV PROJECT**

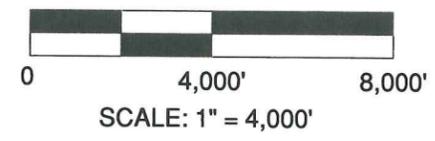

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Regional Vicinity Map



INDIANA
N.T.S.



LEGEND	
	EXISTING L.S.
	PROPOSED SANITARY SEWER CCTV AREA
	PROPOSED MANHOLE REHAB AREA
	MASTER METER
	PROPOSED PERMANENT GENERATOR AND TELEMETRY UPGRADE
	LRWD SERVICE AREA BOUNDARY

PRELIMINARY ENGINEERING REPORT
LIBERTY REGIONAL WASTE DISTRICT
FIGURE No. 3
TOPOGRAPHY MAP



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Source: USGS 7.5 Minute Series (topographic) Quadrangle Map, Muncie East, IND., 1969, Photoinspected 1984, Farmland, IND., 1969

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R10C

R11E