

MORGAN COUNTY SANITARY SEWER COMPREHENSIVE PLAN

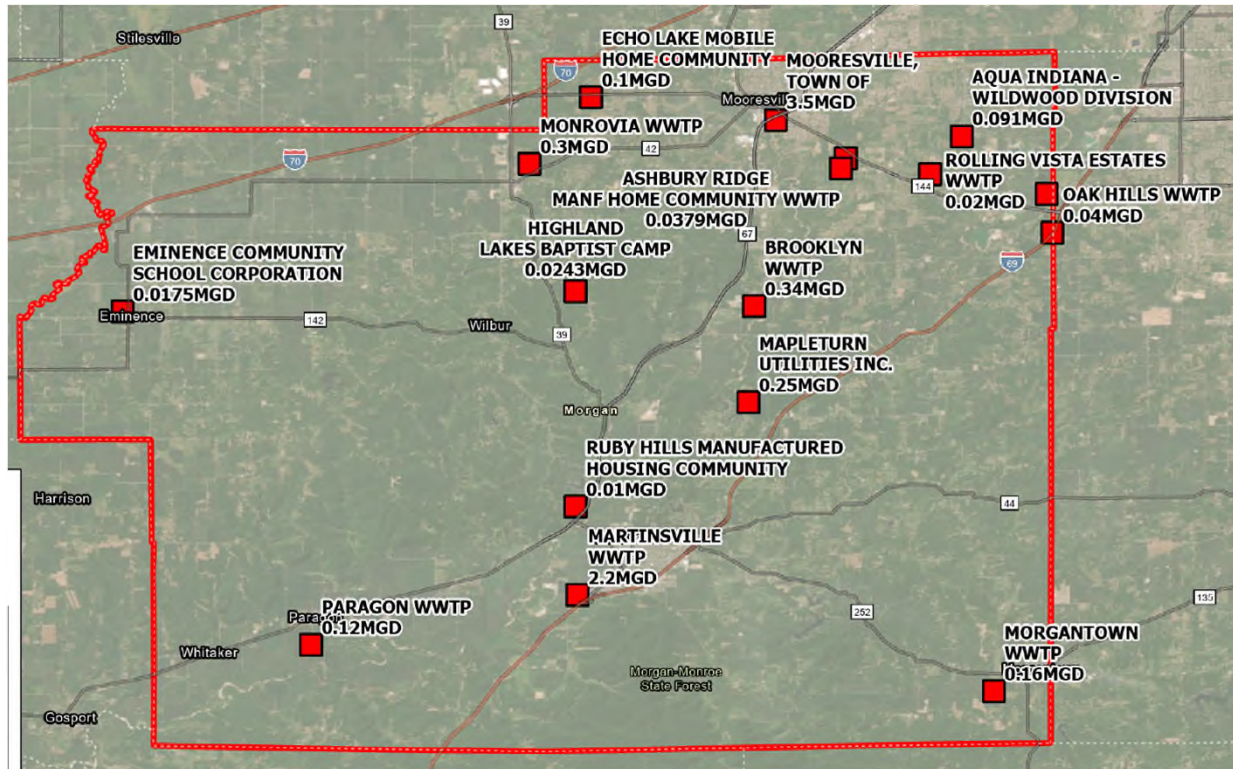
PRESENTED BY BANNING ENGINEERING

KENT ELLIOTT, PE - WATER AND WASTEWATER SERVICES DIRECTOR

JOSH SELIG, PE - PROJECT MANAGER



SEWER COMPREHENSIVE PLAN GOALS



- ASSEMBLE GIS MAP FOR SELECTING PARCELS
- TARGET 4 TO 5 KEY AREAS/COMMUNITIES WHERE DEVELOPMENT IS LIKELY TO OCCUR
- MEET WITH THOSE COMMUNITIES TO DISCUSS DEVELOPMENT
- PREPARE RECOMMENDATIONS FOR THE COUNTY ON PROJECTS TO PROMOTE DEVELOPMENT

■ ASSEMBLY OF GIS MAP



LINK TO MAP:

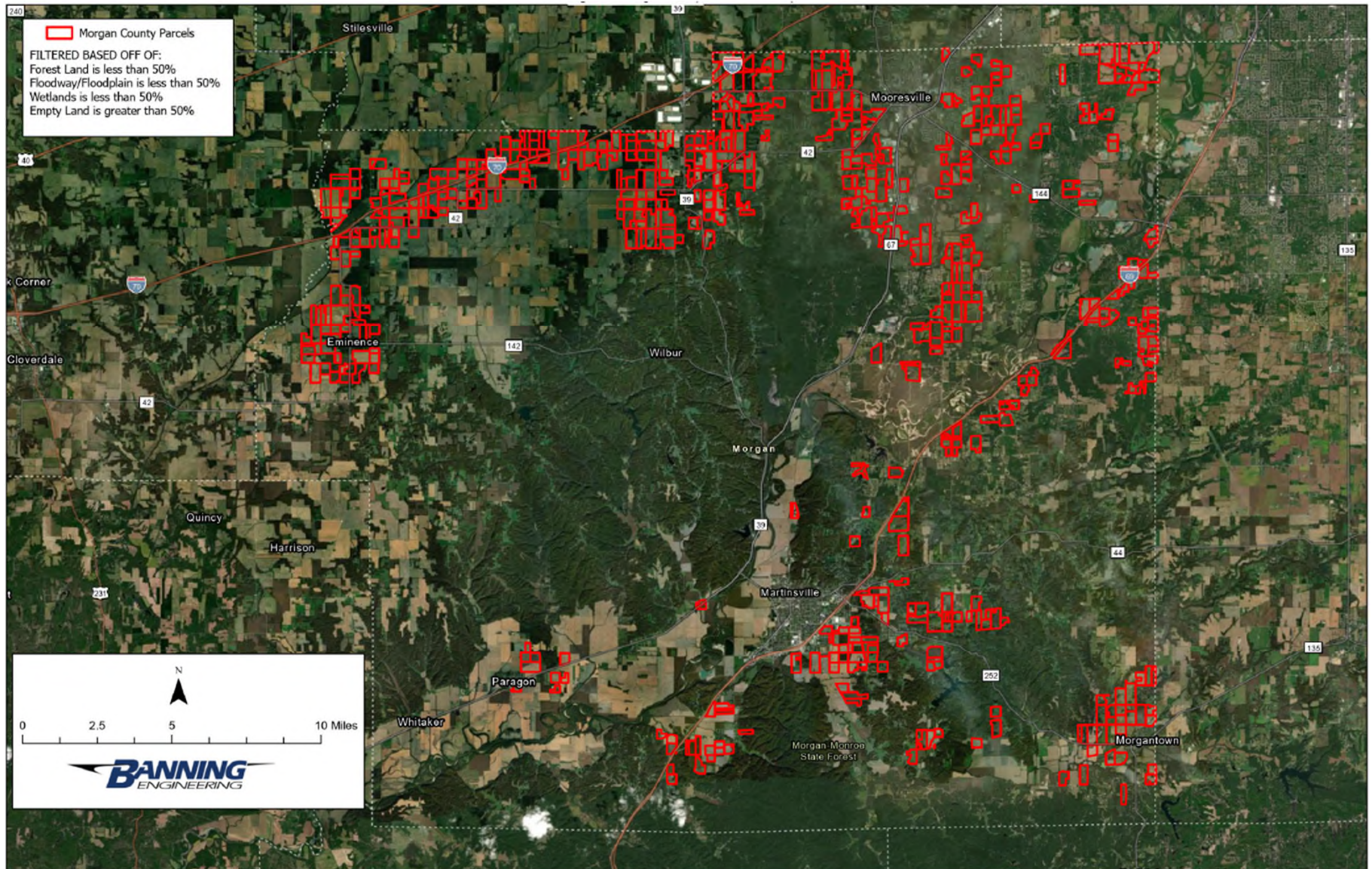
<https://rb.gy/25ug9s>

SELECTION CRITERIA

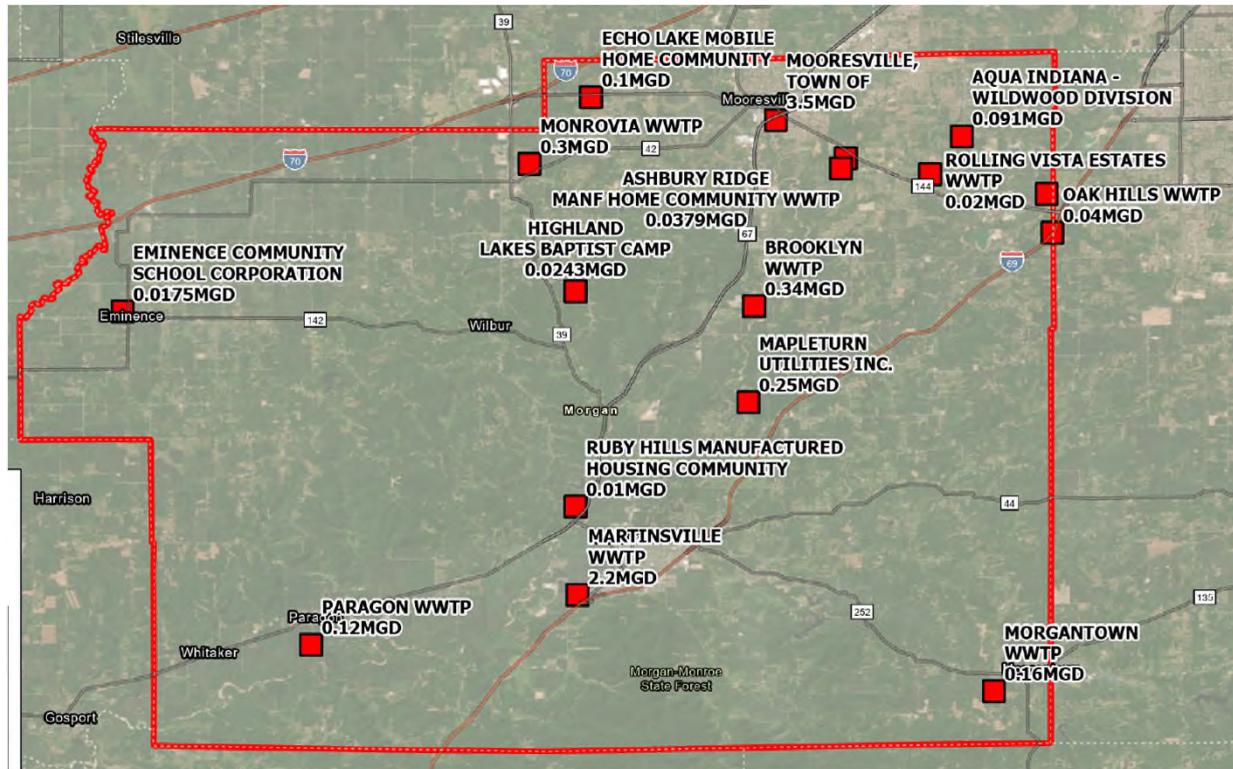
- CONTOURS
- FLOODWAY MAPS
- WETLANDS MAPS
- LAND COVERAGE
- ROADWAY INVENTORY
- PROXIMITY TO EXISTING UTILITIES
- ZONING



FILTERED GIS MAP

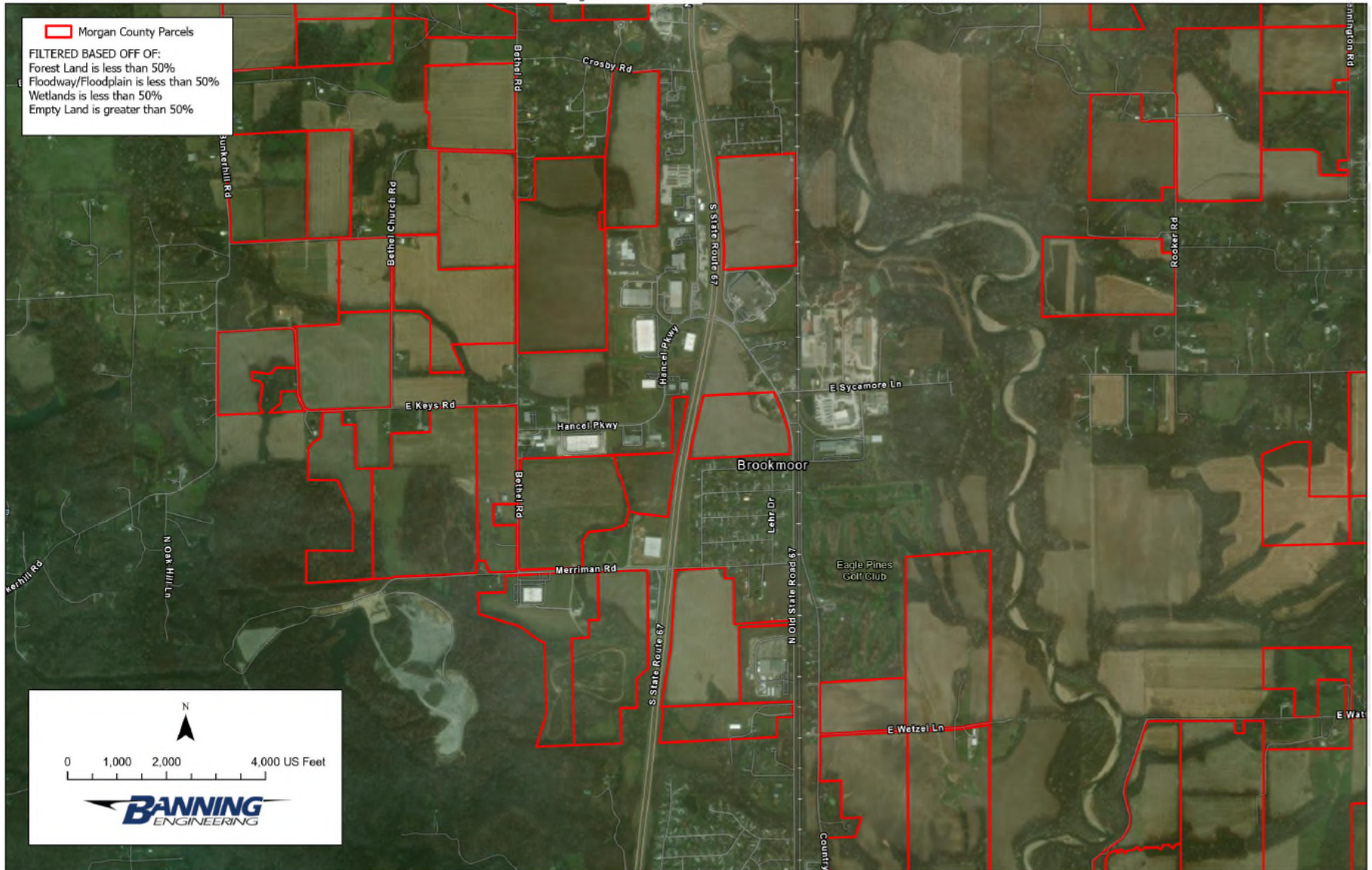


SELECTED AREAS - MOORESVILLE

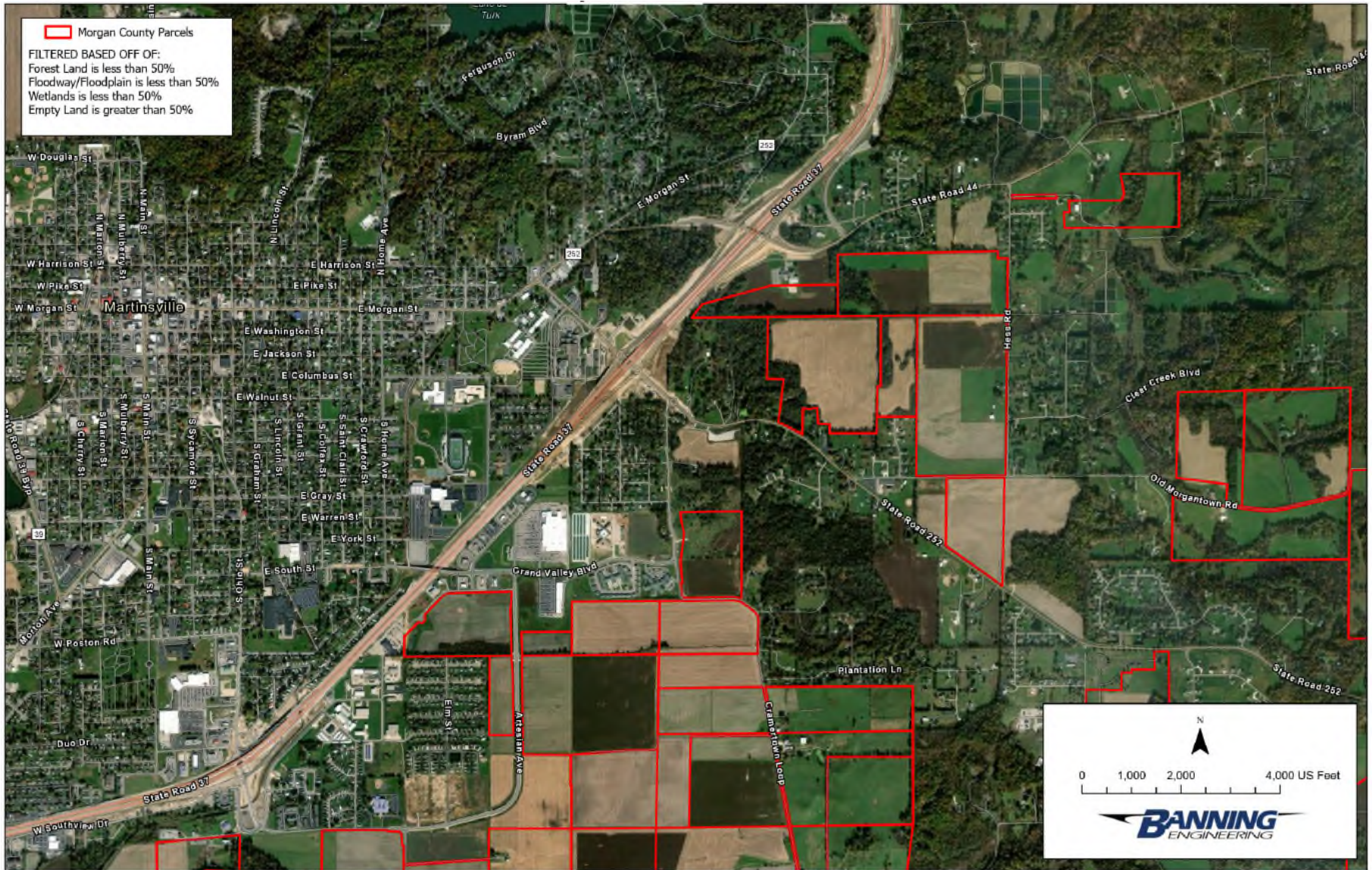


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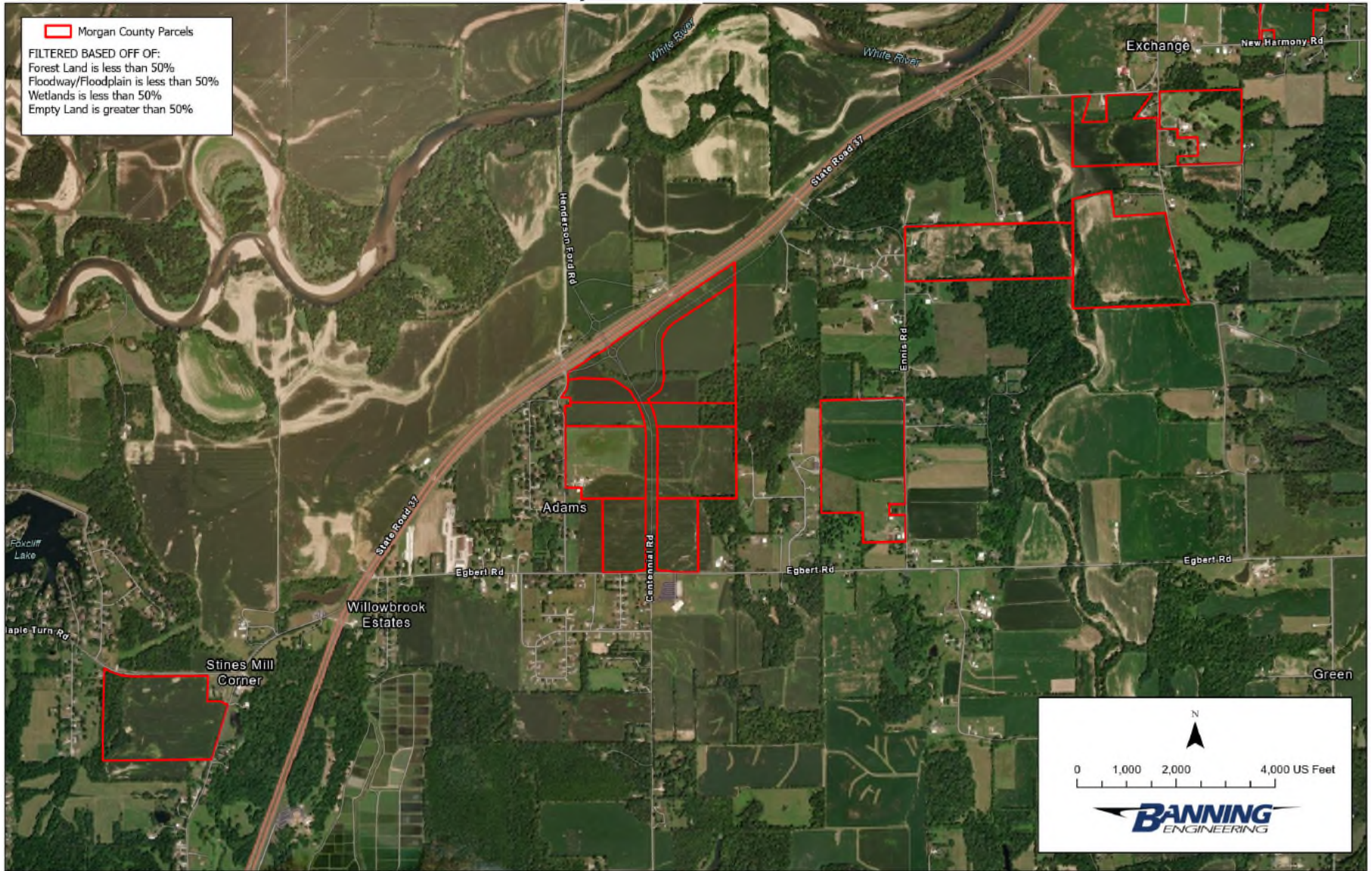
SELECTED AREAS - MOORESVILLE



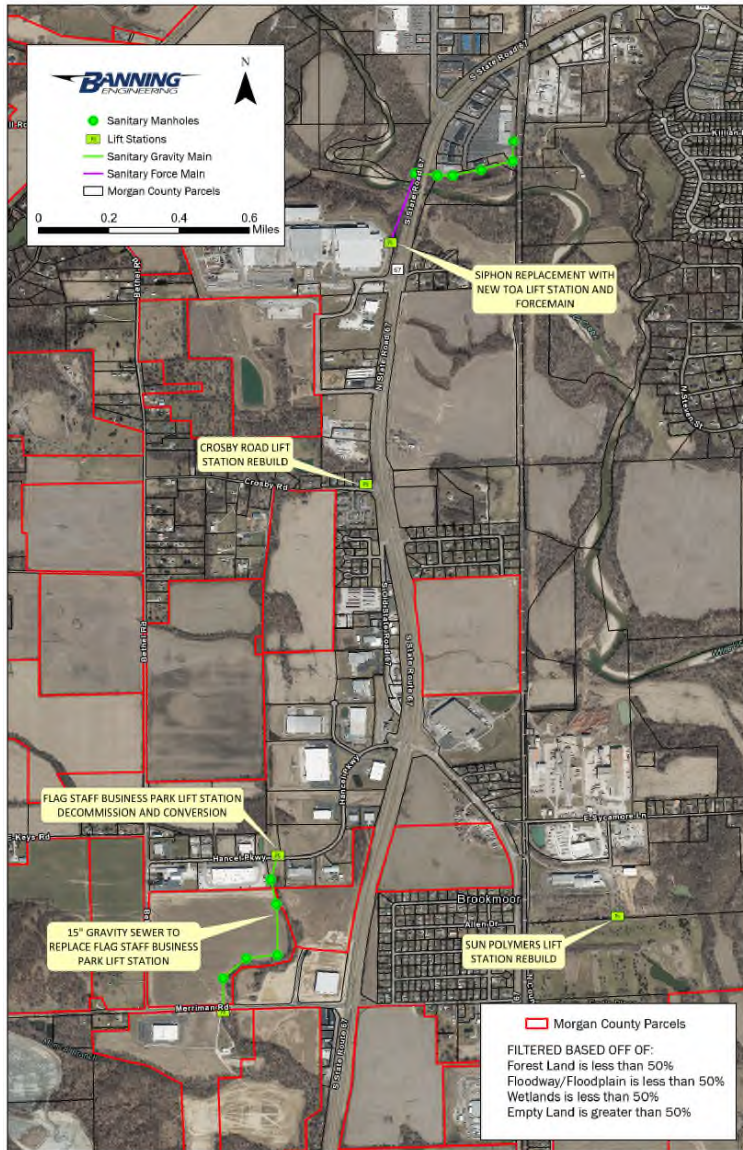
SELECTED AREAS - MARTINSVILLE



SELECTED AREAS - HENDERSON FORD RD



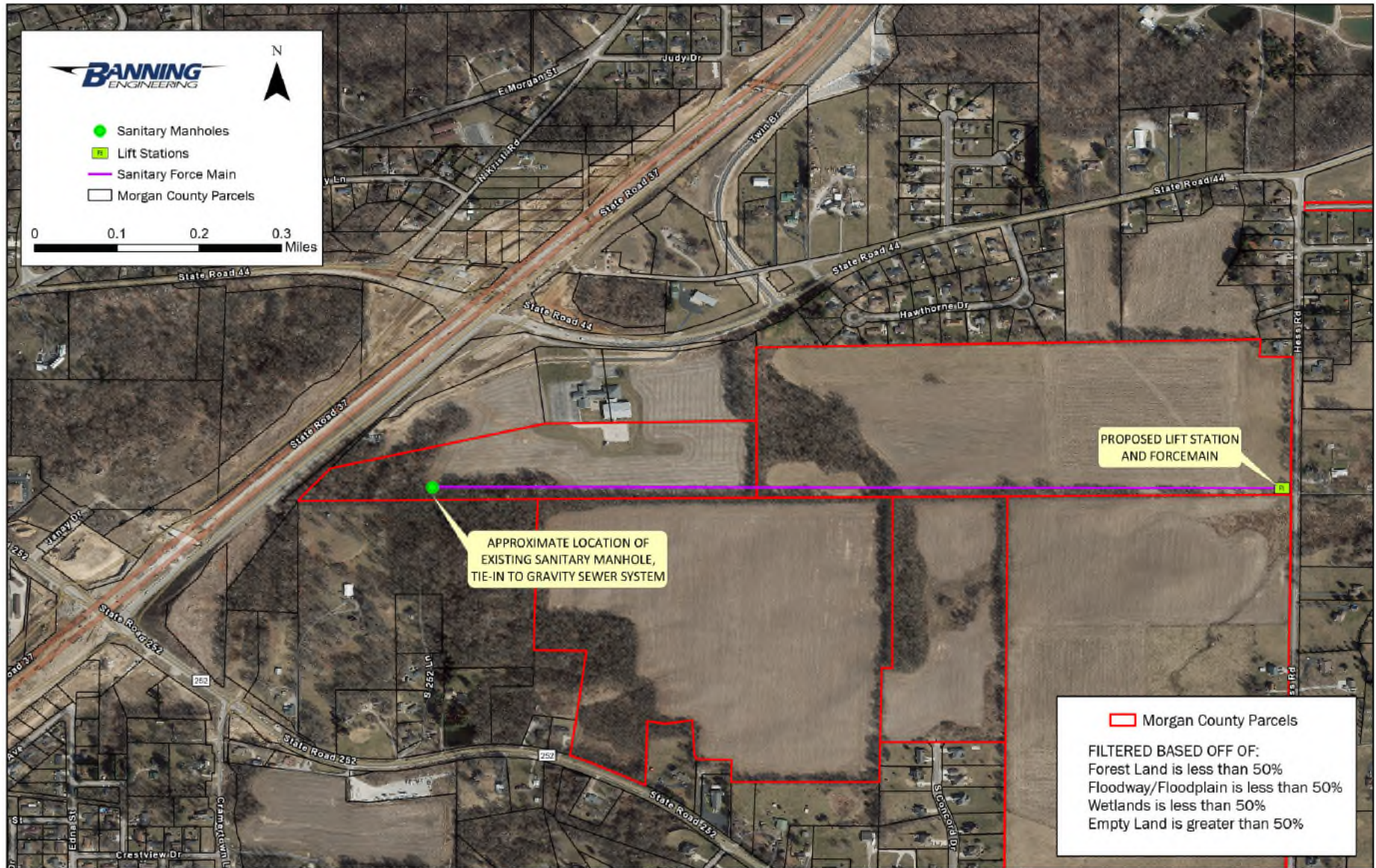
RECOMMENDED PROJECTS- MOORESVILLE



TOWN OF MOORESVILLE					
SOUTHERN WASTEWATER IMPROVEMENTS - PHASE 2 CONSTRUCTION ESTIMATE					
4/19/2024					
ITEM NO.	ITEM	UNITS	QTY.	UNIT PRICE	TOTAL PRICE
1	12" C900 PVC FORCEMAIN (EXCAVATION)	L.F.	680	\$150.00	\$102,000.00
2	16" DR11 HDPE FORCEMAIN (DIRECTIONAL DRILL)	L.F.	550	\$300.00	\$165,000.00
3	TOA LIFT STATION PUMPS AND CONTROL/STATUS MODULE	EACH	1	\$300,000.00	\$300,000.00
4	TOA LIFT STATION ELECTRICAL AND CONTROLS PACKAGE	EACH	1	\$150,000.00	\$150,000.00
5	TOA LIFT STATION STRUCTURES AND SITE WORK	EACH	1	\$450,000.00	\$450,000.00
6	TOA LIFT STATION GENERATOR AND PAD	EACH	1	\$120,000.00	\$120,000.00
7	15" PVC GRAVITY MAIN (FLAGSTAFF)	L.F.	2820	\$200.00	\$564,000.00
8	PRECAST CONCRETE MANHOLES (FLAGSTAFF)	EACH	12	\$15,000.00	\$180,000.00
9	CROSBY LIFT STATION PUMPS AND CONTROL/STATUS MODULE	EACH	1	\$325,000.00	\$325,000.00
10	CROSBY LIFT STATION ELECTRICAL AND CONTROLS PACKAGE	EACH	1	\$150,000.00	\$150,000.00
11	CROSBY LIFT STATION GENERATOR AND PAD	EACH	1	\$120,000.00	\$120,000.00
12	SUN-POLYMERS LIFT STATION PUMPS AND CONTROL/STATUS MODULE	EACH	1	\$300,000.00	\$300,000.00
13	SUN-POLYMERS LIFT STATION ELECTRICAL AND CONTROLS PACKAGE	EACH	1	\$150,000.00	\$150,000.00
14	MSC ITEMS	LUMP SUM	1	\$200,000.00	\$200,000.00
ESTIMATED CONSTRUCTION COST					\$3,276,000.00
CONSTRUCTION CONTINGENCY (20%)					\$660,000.00
NON-CONSTRUCTION COST (25%)					\$819,000.00
TOTAL ESTIMATED CONSTRUCTION COST					\$4,755,000.00



RECOMMENDED PROJECTS- MARTINSVILLE



RECOMMENDED PROJECTS- MARTINSVILLE

CITY OF MARTINSVILLE					
CONSTRUCTION COST ESTIMATE SR 44 & SR 252 LIFT STATION					
4/19/2024					
ITEM NO.	ITEM	UNITS	QTY.	UNIT PRICE	TOTAL PRICE
1	LIFT STATION PUMPS AND CONTROL/STATUS MODULE	EACH	1	\$300,000.00	\$300,000.00
2	LIFT STATION ELECTRICAL AND CONTROLS PACKAGE	EACH	1	\$150,000.00	\$150,000.00
3	LIFT STATION STRUCTURES AND SITE WORK	EACH	1	\$450,000.00	\$450,000.00
4	LIFT STATION GENERATOR AND PAD	EACH	1	\$120,000.00	\$120,000.00
5	8" C900 PVC FORCEMAIN (EXCAVATION), NORTHERN	L.F.	4,600	\$140.00	\$644,000.00
6	MISC ITEMS	LUMP SUM	1	\$100,000.00	\$100,000.00
ESTIMATED CONSTRUCTION COST					\$1,764,000.00
CONSTRUCTION CONTINGENCY (20%)					\$350,000.00
NON-CONSTRUCTION COST (25%)					\$441,000.00
TOTAL ESTIMATED CONSTRUCTION COST					\$2,555,000.00

