
APPENDIX C

**UNDOCUMENTED
MODELED PREDICTED OVERFLOWS**

**PIPELINE IMPROVEMENTS
(IF REQUIRED)**

Undocumented Model Predicted Overflows Pipeline

Proj No.	Up-stream MH ID	Down-stream MH ID	Length (ft.)	Exist Size	Prop'd Size	Ex. Mat'l	Avg Depth (ft.)	Location	Condition	Unit Cost	Extended Cost	MH's	Surface	Exc/Bkfill Add'l Depth	Rock	Total Added \$	Total Added \$	City District	Aerial Area	Comment	Esmt length (ft.)	Esmt area w/ 25 ft
												Added \$	Added \$	Added \$	Added \$	Added \$	Added \$					
M1	15I059	15I060	239	6	10	NRCP	2.1	rdwy	asph	85.00	\$ 20,323.50	3000.00	40.00	0.00	40.00	\$ 9,564.00		north 60	sweet home nw			
M1	15I060	16I045	859	6	10	NRCP	2.5	rdwy	asph	85.00	\$ 72,989.50	3000.00	40.00	0.00	40.00	\$ 34,348.00		north 60	sweet home nw			
M1	15I067	15I068	8	6	10	DIP	2.0	parking lot	asph	85.00	\$ 714.00	3000.00	40.00	0.00	40.00	\$ 336.00		north 60	sweet home nw			
M1	15I068	15I069	7	6	10	DIP	2.1	parking lot	asph	85.00	\$ 569.50	3000.00	40.00	0.00	40.00	\$ 268.00		north 60	sweet home nw			
M1	15I069	15I059	122	6	10	CAST	2.1	parking lot/rdwy	asph	85.00	\$ 10,353.00	3000.00	40.00	0.00	40.00	\$ 4,872.00		north 60	sweet home nw			
			1,235								\$	104,949.50	\$	15,000.00		\$	49,388.00					
M1	16I045	16I046	129	6	10	NRCP	3.1	rdwy	asph	85.00	\$ 10,939.50	3000.00	40.00	0.00	40.00	\$ 5,148.00		north 60	sweet home nw			
M1	16I046	16I012	59	6	10	NRCP	3.1	rdwy	asph	85.00	\$ 5,023.50	3000.00	40.00	0.00	40.00	\$ 2,364.00		north 60	sweet home nw			
			188								\$	15,963.00	\$	6,000.00		\$	7,512.00					
Total Raw Construction Cost Project M 1																	\$198,813					
M2	12I086	12I087	10	8	10	VCP	5.7	rdwy	asph	85.00	\$ 858.50	3000.00	40.00	0.00	40.00	\$ 404.00		north 60	little rock ne			
M2	12I132	12I086	12	8	10	VCP	5.4	rdwy	asph	85.00	\$ 1,003.00	3000.00	40.00	0.00	40.00	\$ 472.00		north 60	little rock ne			
			22								\$	1,861.50	\$	6,000.00		\$	876.00					
Total Raw Construction Cost Project M 2																	\$8,738					
M3	11J035	11J036	344	8	10	VCP	10.6	rdwy	asph	85.00	\$ 29,223.00	3000.00	55.00	6.00	11.00	72.00	\$ 24,753.60		north 60	little rock ne		
M3	11J036	11J125	184	8	10	VCP	14.3	rdwy	asph	85.00	\$ 15,657.00	3000.00	70.00	14.00	11.00	95.00	\$ 17,499.00		north 60	little rock ne		
M3	11J042	12J097	326	8	10	VCP	15.5	rdwy	asph	85.00	\$ 27,684.50	3000.00	70.00	14.00	11.00	95.00	\$ 30,941.50		north 60	little rock ne		
M3	11J049	11J035	198	6	10	VCP	6.6	rdwy	asph	85.00	\$ 16,813.00	3000.00	40.00	0.00	40.00	\$ 7,912.00		north 60	little rock ne			
M3	11J125	11J042	38	8	10	RCP	16.1	rdwy	asph	85.00	\$ 3,264.00	3000.00	70.00	14.00	11.00	95.00	\$ 3,648.00		north 60	little rock ne		
			1,090								\$	92,641.50	\$	15,000.00		\$	84,754.10					
Total Raw Construction Cost Project M 3																	\$192,396					
M4	10K108	9K002	400	6	8	VCP	6.0	ROW/ easement	asph/ clear	75.00	\$ 30,015.00	3000.00	40.00	0.00	40.00	\$ 16,008.00		north 60	little rock ne			
			400								\$	30,015.00	\$	3,000.00		\$	16,008.00					
Total Raw Construction Cost Project M 4																	\$49,023					
M5	9K037	9K074	63	8	10	DIP	8.0	RR ROW	wooded	85.00	\$ 5,338.00	3000.00	40.00	0.00	40.00	\$ 2,512.00		north 60	little rock ne	esmt	63	1570
M5	9K038	9K037	72	8	10	NRCP	6.5	RR ROW	wooded	85.00	\$ 6,111.50	3000.00	40.00	0.00	40.00	\$ 2,876.00		north 60	little rock ne	esmt	72	1797.5
M5	9K072	9K038	83	8	10	NRCP	4.5	RR ROW	wooded/rr tracks	85.00	\$ 7,021.00	3000.00	120.00	0.00	120.00	\$ 9,912.00		north 60	little rock ne	esmt	83	2065
			217								\$	18,470.50	\$	9,000.00		\$	15,300.00					
Total Raw Construction Cost Project M 5																	\$42,771					
M6	7J065	7J069	279	6	10	VCP	4.6	rdwy/park	asph/ wooded	85.00	\$ 23,706.50	3000.00	40.00	0.00	40.00	\$ 11,156.00		north 60	little rock nw	esmt	279	6972.5
M6	7J066	7J065	162	7	8	POLYL	5.6	park	wooded	75.00	\$ 12,112.50	3000.00	40.00	0.00	40.00	\$ 6,460.00		north 60	little rock nw	esmt	162	4037.5
M6	7J069	7J153	226	6	10	RCP	6.2	rdwy	asph	85.00	\$ 19,218.50	3000.00	40.00	0.00	40.00	\$ 9,044.00		north 60	little rock nw			
			667								\$	55,037.50	\$	9,000.00		\$	26,660.00					
Total Raw Construction Cost Project M 6																	\$90,698					
M7	7K043	7K083	276	8	10	VCP	7.5	rdwy	asph/clear	85.00	\$ 23,451.50	3000.00	40.00	0.00	40.00	\$ 11,036.00		north 60	little rock nw			
M7	7K083	7K042	18	8	10	VCP	3.3	rdwy	asph	85.00	\$ 1,487.50	3000.00	40.00	0.00	40.00	\$ 700.00		north 60	little rock nw			
			293								\$	24,939.00	\$	6,000.00		\$	11,736.00					
Total Raw Construction Cost Project M 7																	\$42,675					
M8	7K035	7K070	203	8	10	VCP	5.1	comm'l back yrd	unpaved	85.00	\$ 17,238.00	3000.00	120.00	0.00	120.00	\$ 24,336.00		north 60	little rock nw	esmt	203	5070
M8	7K037	7K035	141	8	10	VCP	4.9	rdwy	asph	85.00	\$ 11,942.50	3000.00	40.00	0.00	40.00	\$ 5,620.00		north 60	little rock nw			
M8	7K070	7K098	193	8	10	CAST	4.4	comm'l back yrd	unpaved	85.00	\$ 16,396.50	3000.00	120.00	0.00	120.00	\$ 23,148.00		north 60	little rock nw	esmt	193	4822.5
			536								\$	45,577.00	\$	9,000.00		\$	53,104.00					
Total Raw Construction Cost Project M 8																	\$107,681					

Undocumented Model Predicted Overflows Pipeline

Proj No.	Up-stream MH ID	Down-stream MH ID	Length (ft.)	Exist Size	Prop'd Size	Ex. Mat'l	Avg Depth (ft.)	Location	Condition	Unit Cost	Extended Cost	MH's	Surface	Exc/Bkfill Add'l	Rock	Total Added	Total Added \$	City District	Aerial Area	Comment	Esmt length (ft.)	Esmt area w/ 25 ft	
												Added \$	Added \$	Added \$	Added \$	Added \$	Added \$						
M28	-3J010	-3J009	441	8	10	UNKN	7.7	res back yard/park	wooded	85.00	\$ 37,459.50	3000.00	80.00	0.00		80.00	\$ 35,256.00	south 60	alexander ne	esmt	441	11017.5	
			441								\$ 37,459.50	\$ 3,000.00					\$ 35,256.00						
Total Raw Construction Cost Project M 28																	\$75,716						
M29	-3J017	-3J085	291	8	10	PVC	7.2	ROW	asph	85.00	\$ 24,726.50	3000.00	40.00	0.00		40.00	\$ 11,636.00	south 60	alexander ne				
M29	-3J084	-3J016	54	8	10	PVC	7.6	res back yard	wooded/ clear	85.00	\$ 4,615.50	3000.00	40.00	0.00		40.00	\$ 2,172.00	south 60	alexander ne	esmt	54	1357.5	
M29	-3J085	-3J084	128	8	10	PVC	6.6	res back yard	wooded	85.00	\$ 10,880.00	3000.00	80.00	0.00		80.00	\$ 10,240.00	south 60	alexander ne	esmt	128	3200	
			473								\$ 40,222.00	\$ 9,000.00					\$ 24,048.00						
Total Raw Construction Cost Project M 29																	\$73,270						
M30	2G003	2G002	75	6	10	NRCP	9.3	ROW	asph	85.00	\$ 6,400.50	3000.00	120.00	0.00	11.00	131.00	\$ 9,864.30	south 60	north little rock sw				
M30	2G005	2G003	311	6	10	NRCP	5.6	ROW	asph	85.00	\$ 26,443.50	3000.00	40.00	0.00		40.00	\$ 12,444.00	south 60	north little rock sw				
			386								\$ 32,844.00	\$ 6,000.00					\$ 22,308.30						
Total Raw Construction Cost Project M 30																	\$61,152						
M31	1G075	1G074	186	12	15	RCP	7.4	rdwy	asph	95.00	\$ 17,670.00	3000.00	120.00	0.00		120.00	\$ 22,320.00	south 60	north little rock sw	esmt	186	4650	
M31	1G076	1G075	285	12	15	RCP	8.6	rdwy	asph	95.00	\$ 27,094.00	3000.00	120.00	0.00	11.00	131.00	\$ 37,361.20	south 60	north little rock sw				
M31	1G078	1G076	196	12	15	RCP	9.6	rdwy	asph	95.00	\$ 18,601.00	3000.00	120.00	0.00	11.00	131.00	\$ 25,649.80	south 60	pinnacle mountain se				
M31	1G079	1G078	129	12	15	RCP	9.7	rdwy	asph	95.00	\$ 12,255.00	3000.00	120.00	0.00	11.00	131.00	\$ 16,899.00	south 60	pinnacle mountain se				
			796								\$ 75,620.00	\$ 12,000.00					\$ 102,230.00						
Total Raw Construction Cost Project M 31																	\$189,850						
M32	11G115	11G114	157	12	15	PVC	8.6	rdwy	asph	95.00	\$ 14,867.50	3000.00	120.00	0.00	11.00	131.00	\$ 20,501.50	riverfront	little rock ne				
M32	11G116	11G115	305	12	15	VCP	7.3	rdwy	asph	95.00	\$ 28,994.00	3000.00	120.00	0.00		120.00	\$ 36,624.00	riverfront	little rock ne				
M32	11G119	11G141	316	12	15	CIPR	6.4	rdwy	asph	95.00	\$ 29,972.50	3000.00	120.00	0.00		120.00	\$ 37,860.00	riverfront	little rock ne				
M32	11G141	11G116	78	12	15	CIPR	5.6	rdwy	asph	95.00	\$ 7,391.00	3000.00	120.00	0.00		120.00	\$ 9,336.00	riverfront	little rock ne				
			855								\$ 81,225.00	\$ 12,000.00					\$ 104,321.50						
Total Raw Construction Cost Project M 32																	\$197,547						
M33	7E001	7E113	191	9	12	POLYL	3.9	ROW	wooded	90.00	\$ 17,199.00	3000.00	80.00	0.00		80.00	\$ 15,288.00	riverfront	north little rock sw	esmt	191	4777.5	
			191								\$ 17,199.00	\$ 3,000.00					\$ 15,288.00						
Total Raw Construction Cost Project M 33																	\$35,487						
M34	6D025	6D026	21	6	10	VCP	2.9	rdwy	asph	85.00	\$ 1,751.00	3000.00	40.00	0.00		40.00	\$ 824.00	riverfront	north little rock sw				
M34	6D026	6D032	175	8	10	VCP	3.7	rdwy	asph	85.00	\$ 14,858.00	3000.00	40.00	0.00		40.00	\$ 6,992.00	riverfront	north little rock sw				
M34	6D032	6D035	174	8	10	VCP	6.7	rdwy	asph	85.00	\$ 14,781.50	3000.00	40.00	0.00		40.00	\$ 6,956.00	riverfront	north little rock sw				
			369								\$ 31,390.50	\$ 9,000.00					\$ 14,772.00						
Total Raw Construction Cost Project M 34																	\$55,163						
											22,067	LF			Sub-Total	\$ 1,939,577	\$ 348,000			\$ 1,484,960			
Total (Model Overflows)																	\$ 3,772,537						
													SF	Unit cost									
													EASEMENTS	228,960	\$ 0.50			\$ 114,480					
													CONTINGENCY	15%			\$ 565,881						
													ENGINEERING DESIGN	12%			\$ 520,610						
TOTAL PROJECT COST (Model Overflows)																	\$ 4,973,508						

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#1



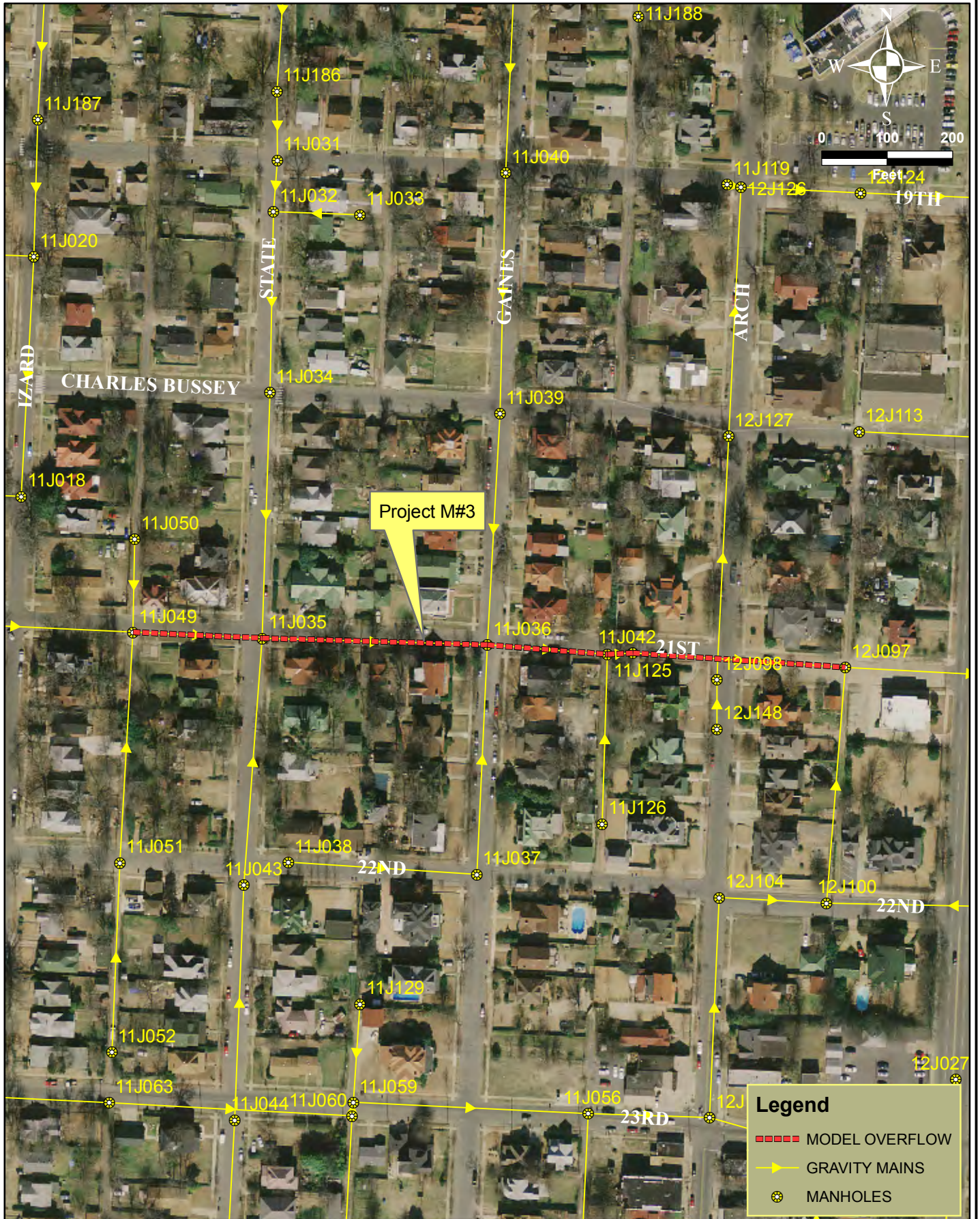
Legend

- - - - MODEL OVERFLOW
- GRAVITY MAINS
- MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#2



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#3



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#4



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#5



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECTS M#6 AND M#7



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#8



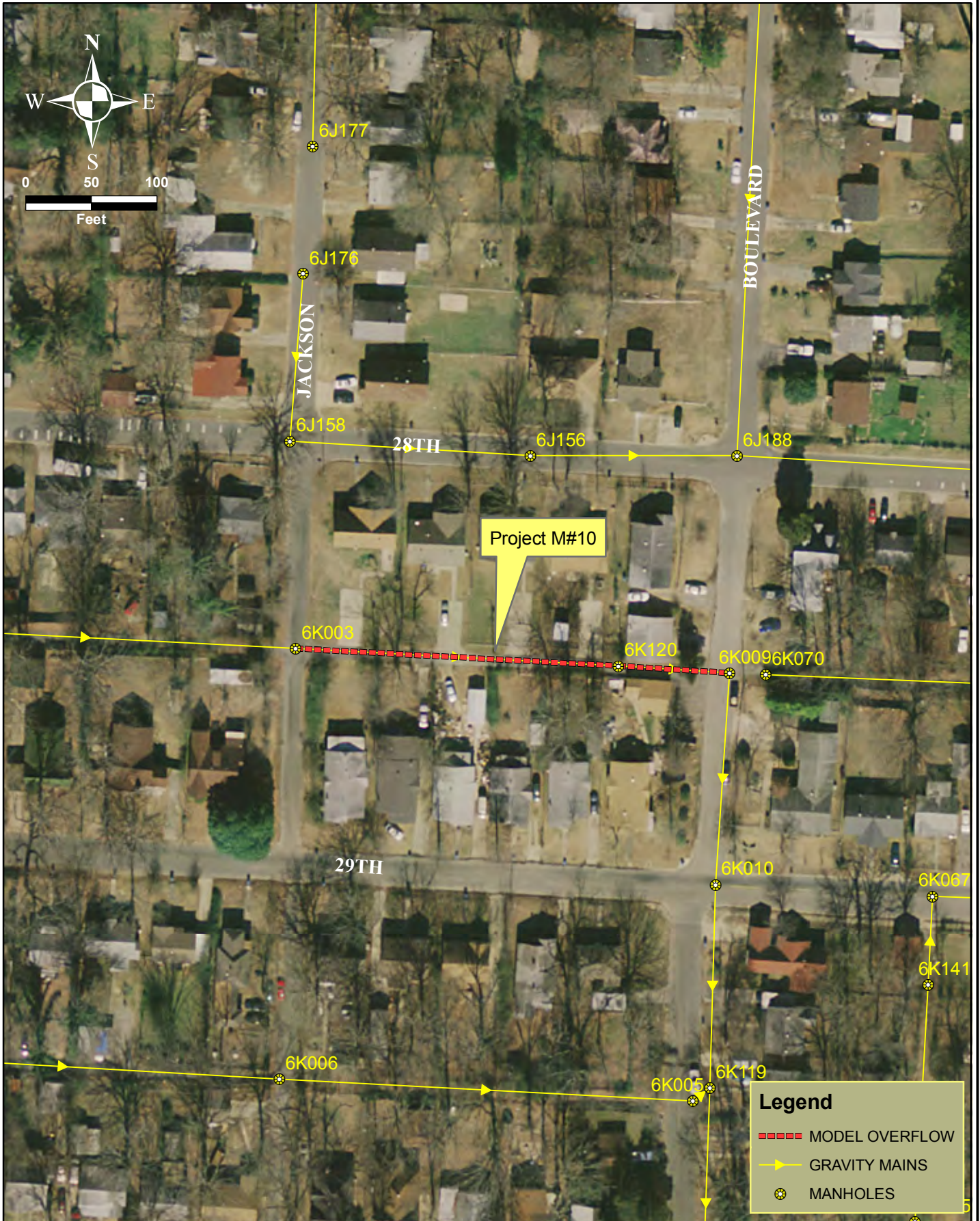
Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#9



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#10



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#11



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#12



Legend

- - - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#13



Legend

- - - - MODEL OVERFLOW
- GRAVITY MAINS
- MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#14



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#15



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECTS M#16 AND M#17



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#18



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#19



Legend

- - - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#20



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#21



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#22



Legend

- MODEL OVERFLOW
- ⊗ MANHOLES
- GRAVITY MAINS

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#23



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- MANHOLES

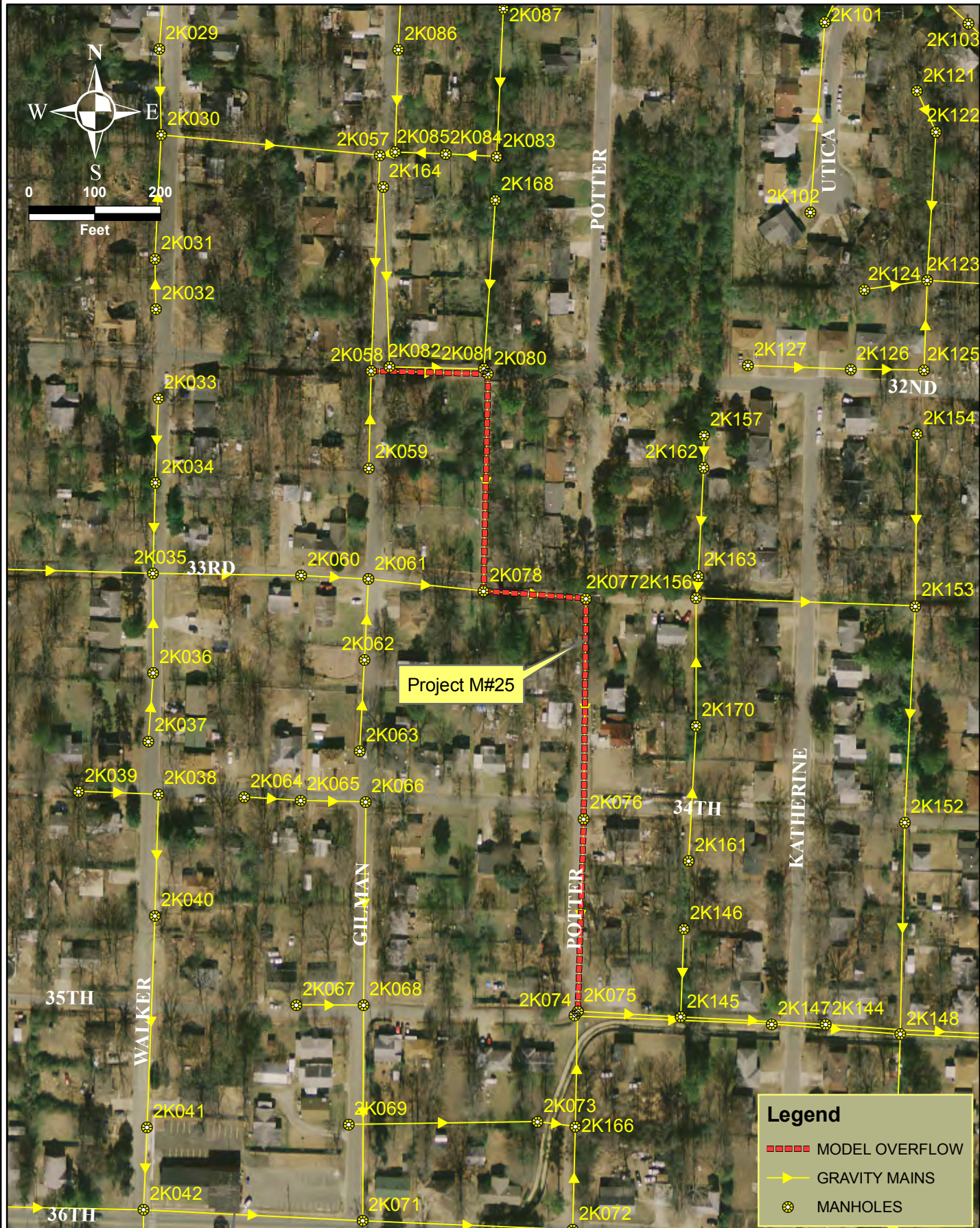
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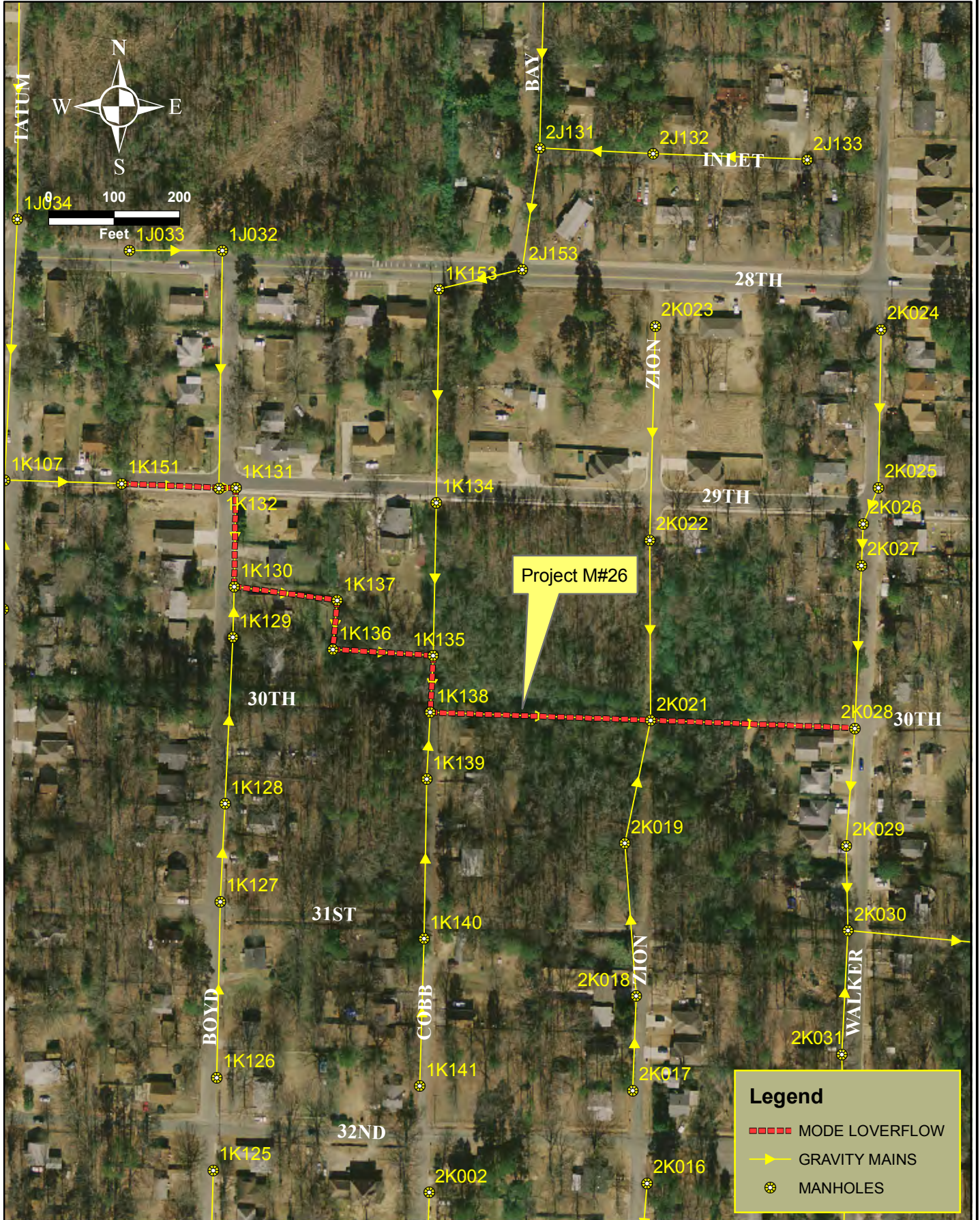
Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#25



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#26



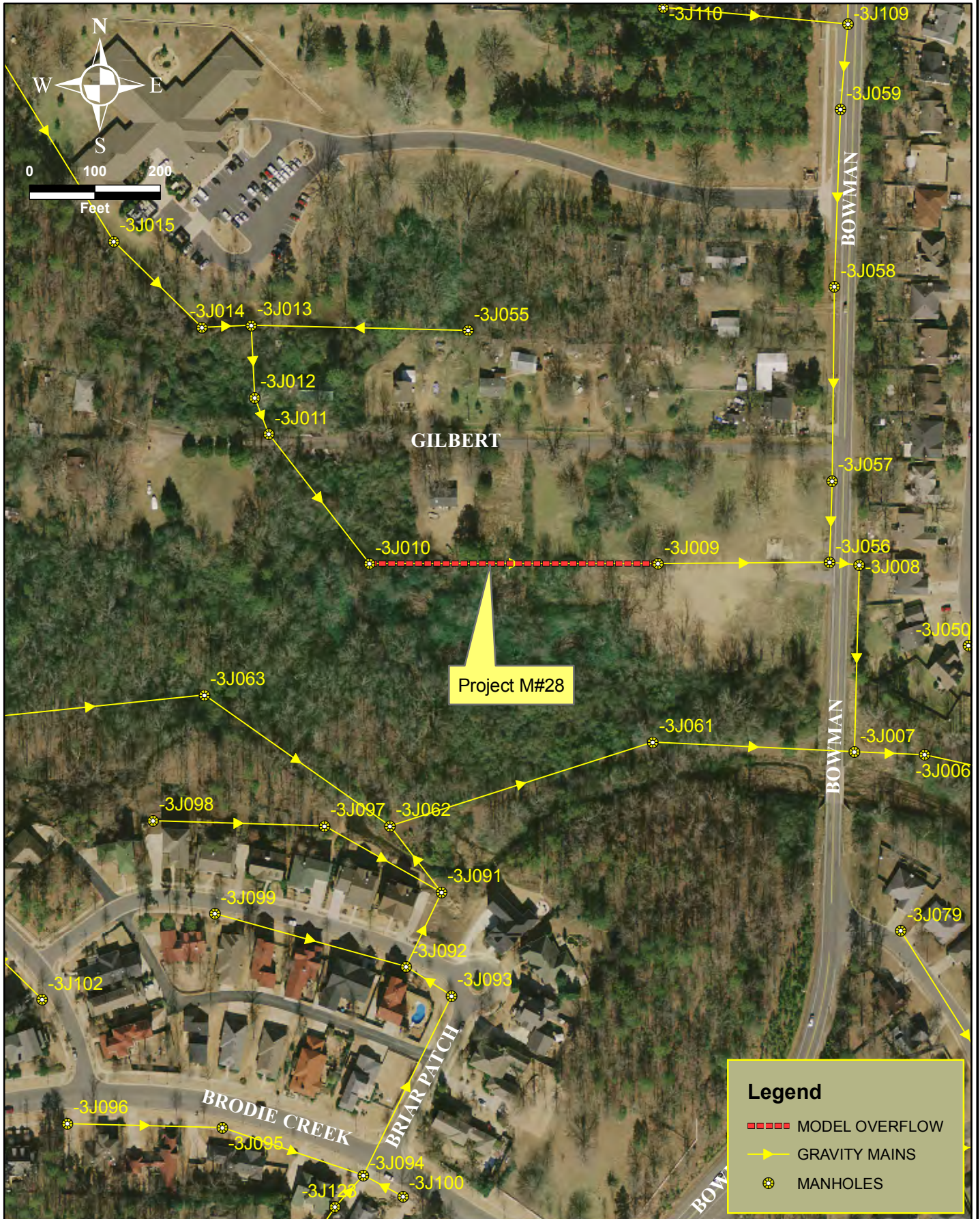
UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#27



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ✱ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#28



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#29



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#31



UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#31



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

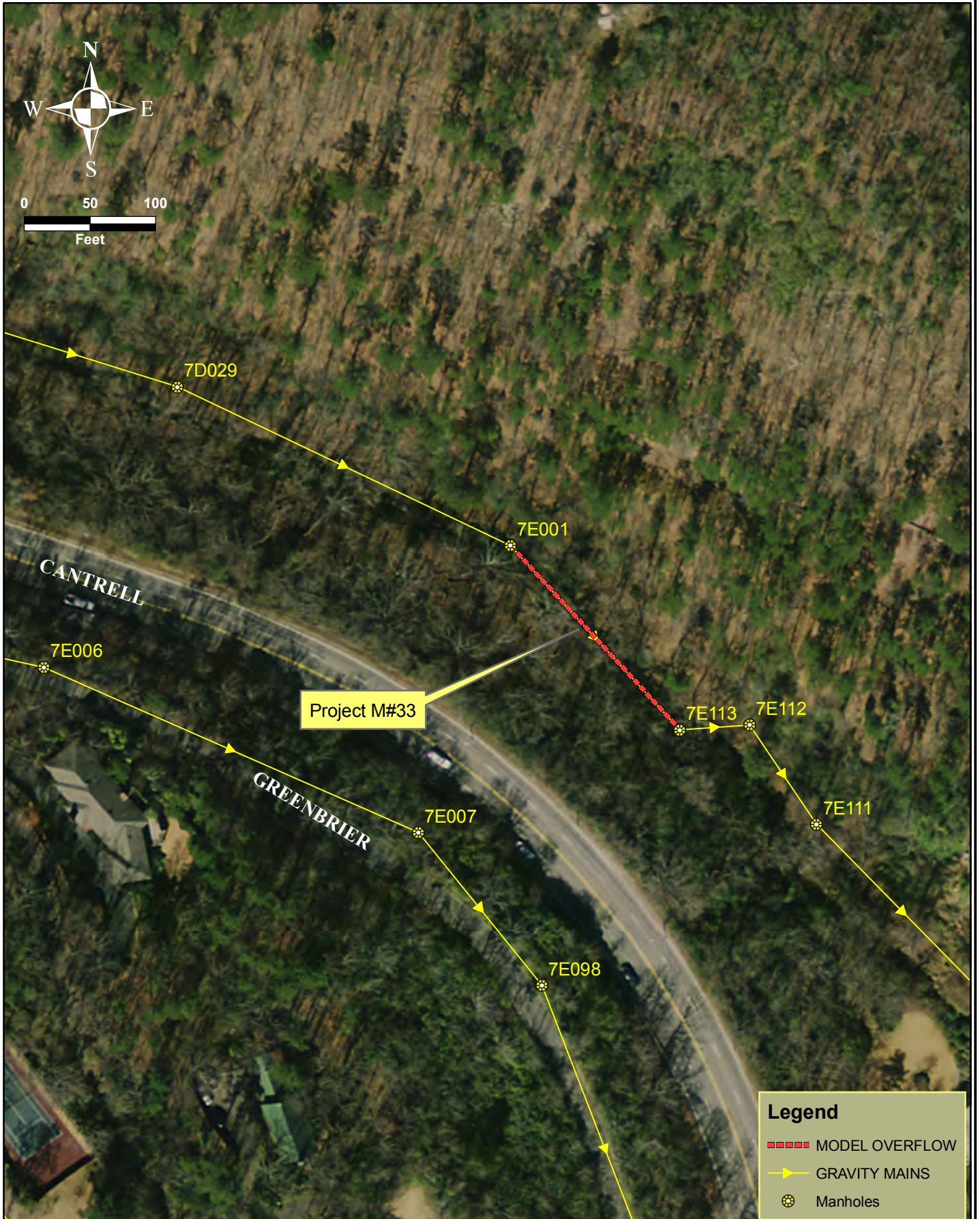
UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#32



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ⊗ MANHOLES

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#33



Legend

- MODEL OVERFLOW
- GRAVITY MAINS
- Manholes

UNDOCUMENTED MODEL PREDICTED OVERFLOWS PIPELINE IMPROVEMENTS - PROJECT M#34



Legend

- - - MODEL OVERFLOW
- GRAVITY MAINS
- ✱ Manholes