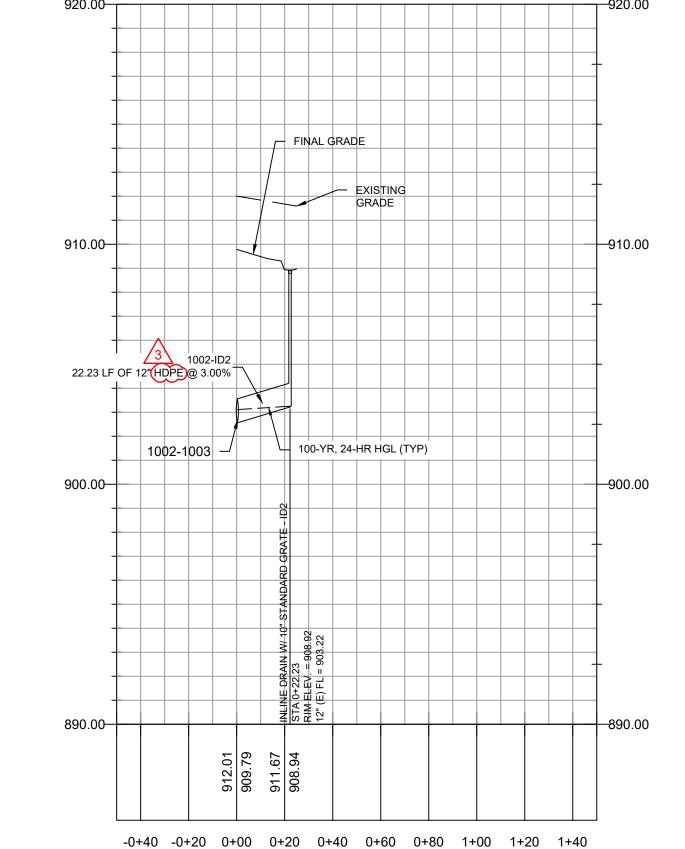


**PIPE 1002-1003 - INLINE DRAIN 1** SCALE: HORIZONTAL 1"=40' SCALE: VERTICAL 1"=4'



**PIPE 1002-1003 - INLINE DRAIN 2** 

## **GENERAL NOTES:**

- 1. CONSTRUCTION OF STORMWATER IMPROVEMENTS SHALL BE AS PER CITY OF LEE'S SUMMIT, MO AND PROJECT SPECIFICATIONS.
- 2. THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION AND FOR MAKING HIS OWN VERIFICATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
- PROTECT ALL COMPONENTS DURING DEMOLITION / CONSTRUCTION PROCESS. MAINTAIN BMP'S THROUGHOUT THE DURATION OF CONSTRUCTION.
- 4. CONTRACTOR TO PROVIDE DETAILED AS-BUILT DRAWINGS TO OWNER, ENGINEER, AND CITY OF LEE'S SUMMIT, MO UPON COMPLETION OF ALL IMPROVEMENTS.

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GLMV ARCHITECTURE, INC. MISSOURI STATE CERTIFICATE OF AUTHORITY

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REVISIONS: ASI 03 12.08.2022

HOLMES NUMBER PE-2022005196

DERICK HOLMES - CIVIL ENGINEER MO# PE-2022005196

	-
PROJECT NO:	18225R21001
DATE:	10.19.2022
DRAWN BY:	HFL
CHK'D BY:	DMH

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PRIVATE STORMWATER

**PROFILES** 

PLEASE CONSIDER THE ENVIRONMENT

								100-YR, 24	-HR STORM EVEN	IT								
PIPE NAME	UPSTREAM NODE	DOWNSTREAM NODE	LENGTH (FT)	INLET INVERT ELEVATION (FT)	OUTLET INVERT ELEVATION (FT)	SLOPE (%)	PIPE DIAMETER (INCHES)	MANNING'S ROUGHNESS (N)	ENTRANCE LOSSES	EXIT/BEND LOSSES	PEAK FLOW (CFS)	TIME OF PEAK FLOW OCCURRENCE (DAYS HH:MM)	MAX FLOW VELOCITY (FT/SEC)	TRAVEL TIME (MIN)	DESIGN FLOW CAPACITY (CFS)	MAX FLOW / DESIGN FLOW RATIO	MAX FLOW DEPTH (FT)	MAX FLOW DEPTH / TOTAL DEPTH RATIO
1000-1001	1001.MH	1000.MH	45.21	901.08	900.63	1.00	12	0.012	0.50	0.80	1.89	0 12:05	4.89	0.15	3.85	0.49	0.50	0.50
1001-1002	1002.CI	1001.MH	60.86	901.89	901.28	1.00	12	0.012	0.50	0.90	1.03	0 12:05	4.18	0.24	3.86	0.27	0.35	0.35
1001-1005	1005.AI	1001.MH	28.61	902.65	901.58	3.75	12	0.012	0.50	0.90	0.86	0 12:05	6.34	0.08	7.46	0.12	0.23	0.23
1002-1003	1003.CI	1002.CI	84.59	903.24	902.39	1.00	12	0.012	0.50	0.70	1.00	0 12:05	4.12	0.17	3.91	0.26	0.35	0.35
1002-ID1	ID1	WYE	18.72	903.52	902.98	3.00	12	0.012	0.50	0.70	0.09	0 12:05	2.95	0.11	6.56	0.01	0.08	0.08
1002-ID2	ID2	WYE	22.23	903.22	902.56	3.00	12	0.012	0.50	0.70	0.01	0 10:15	1.69	0.22	6.65	0.00	0.03	0.03
1003-1004	1004.AI	1003.CI	72.02	904.46	903.74	1.00	12	0.012	0.50	0.60	0.61	0 12:05	3.60	0.33	3.86	0.16	0.27	0.27
1005-1006	1006.AI	1005.AI	13.75	903.42	903.15	2.00	12	0.012	0.50	0.80	0.25	0 12:05	3.52	0.07	5.41	0.05	0.15	0.15
1005-1009	1009.AI	1005.AI	35.83	904.32	903.25	3.00	12	0.012	0.50	0.80	0.47	0 11:40	4.92	0.12	6.67	0.07	0.18	0.18
1006-ID3	ID3	1006.AI	28.17	904.18	903.62	2.00	12	0.012	0.50	0.50	0.08	0 12:05	2.50	0.19	5.44	0.01	0.08	0.08

SCALE: HORIZONTAL 1"=40' SCALE: VERTICAL 1"=4'

100-YR, 24-HR STORM EVENT					
STRUCTURE NAME	MAX HGL ELEVATION (FT)				
1001.MH	901.81				
1002.CI	902.74				
1003.CI	904.01				
1004.AI	904.73				
1005.AI	903.43				
1006.AI	903.70				
1009.AI	904.50				

1001.MH - 1009.AI

SCALE: HORIZONTAL 1"=40' SCALE: VERTICAL 1"=4'

-0+40 -0+20 0+00 0+20 0+40 0+60 0+80 1+00 1+20 1+40

**1005.AI - INLINE DRAIN 3** SCALE: HORIZONTAL 1"=40' SCALE: VERTICAL 1"=4'

-0+40 -0+20 0+00 0+20 0+40 0+60 0+80 1+00 1+20 1+40

