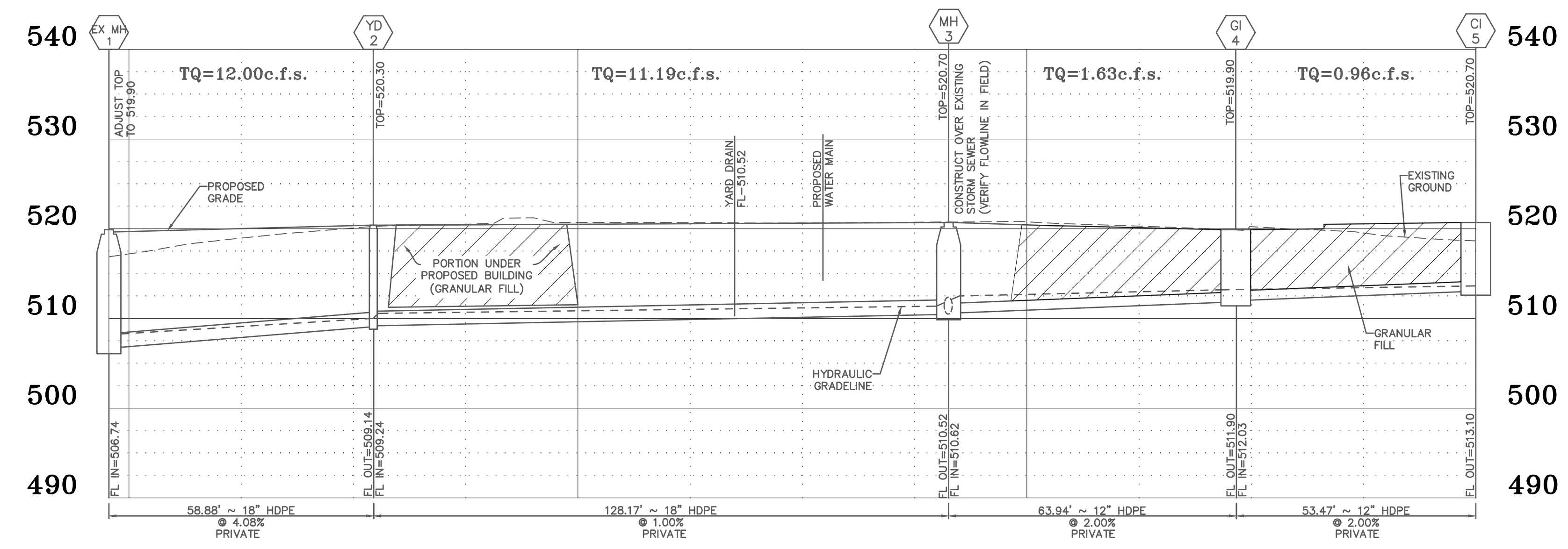


THIS SHEET FOR DRAINAGE PURPOSES ONLY, NOT FOR CONSTRUCTION



St Charles County Government  
Hydraulic Review Output Data

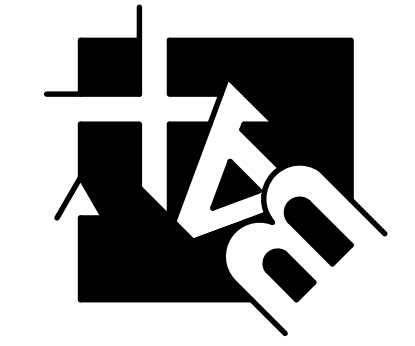
\\VAULTSERVER\Folder\10000\10001\TL M Clemens Ctr Adm\Engineering\Hydraulics\10001\TL-revised.bdt  
2/28/2023  
Calculations Under Full Flow

Upp Str	Low Str	PL S	Upp FL LN	Low FL LN	PS	Upp ST EL	Depth HY GR	Upp HY EL	Low HY EL	Hydr Grade	FR Head	VEL	VEL Head	Junc Loss	Turn Loss	Curve Loss	STR	Inl Cap	DR Area	PI	Q	TQ	Pipe Cap	Remarks	
1	EXGI7	MH3	53	18	511.68	510.62	2.00	519.60	6.35	513.25	512.42	0.00710	0.38	5.41	0.45	0.45	0.00	0.00	2	4.00			9.56	16.09	
2	EXGI6	EXMH1	20	12	513.05	512.22	4.15	518.12	4.85	513.27*	513.22	0.00040	0.01	0.99	0.02	0.02	0.00	0.00	2	4.00			0.78	7.86	
3	C15	GI4	53	12	513.10	512.03	2.00	520.70	7.32	513.38*	513.03	0.00060	0.03	1.22	0.02	0.02	0.00	0.00	2	4.00			0.96	5.46	
4	GI4	MH3	64	12	511.90	510.62	2.00	519.90	7.35	512.55	512.42	0.00180	0.12	2.08	0.07	0.00	0.01	0.00	2	0.00			1.63	5.46	
5	MH3	YD2	128	18	510.52	509.24	1.00	520.70	8.28	512.42	510.74	0.00970	1.24	6.33	0.62	0.44	0.00	0.00	2	0.00			11.19	11.38	
6	YD2	EXMH1	69	18	509.14	506.74	4.00	520.30	10.39	509.91*	508.24	0.01110	0.65	6.79	0.72	0.00	0.17	0.00	2	0.00			12.00	22.99	
7	EXMH1	EXAI	54	18	506.52	505.14	2.56	519.90	12.13	507.77	506.64	0.01330	0.72	7.43	0.86	0.41	0.00	0.00	2	0.00			13.13	18.21	

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.

**PROJECT TITLE:**  
MIKE CLEMENS  
CENTER FOR  
ADAPTIVE LEARNING  
ADDITION

**ENGINEERING  
PLANNING  
SURVEYING**  
221 Point View Blvd.  
St. Charles, MO 63301  
636-928-5562  
FAX 636-928-1718



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engineering project.



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Surveying Authority No. 000144  
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ORIGINAL ISSUE DATE  
01-18-2023

**REVISIONS**

DATE	DESCRIPTION
01-10-2023	PERMIT SET
01-18-2023	BID SET
02-10-2023	ADDENDUM 2
02-14-2023	CITY COMMENTS
02-24-2023	ADDENDUM 4
02-28-2023	CITY COMMENTS

**Developer / Owner:**  
FORT ZUMWALT SCHOOL DISTRICT  
555 EAST TERRA LANE  
O'FALLON, MO 63366

**POST DRAINAGE AREA MAP**

**P+Z No.** #22-010172  
**APPROVED** 11-03-22  
**City No.** #14-400

**Page No.**  
C9.0  
MIKE CLEMENS CENTER  
ADDITIONS AND RENOVATIONS

BID SET

Box Project # 99-1000TL Issue Date: 01/18/2023