

Node ID:	AI-1.5	GI-1.4	CI-1.3	MH-1.2	MH-1.1	EX CI-2	EXCI-3
Rim (ft):	573.67	573.01	573.68	575.09	575.06	567.62	567.24
Invert (ft):	569.01	568.12	566.02	565.3	565.06	560.97	559.67
Max HGL (ft):	569.43	568.92	567.02	567.28	566.91	564.17	560.96

Link ID:	1.5-1.4	1.4-1.3	1.3-1.2	1.2-1.1	1.1-2	EXCI2-EXCI3
Length (ft):	68.5	190.15	51.85	18.59	156.95	109.8
Dia (in):	12	15	15	15	15	18
Slope (ft/ft):	0.0101	0.01	0.01	0.0199	0.01	0.01
Up Invert (ft):	569.01	568.12	566.02	566.8	564.86	560.97
Dn Invert (ft):	568.32	566.22	565.5	566.43	563.29	559.67
Max Q (cfs):	1.46	5.21	6.3	3.14	6.31	9.98
Max Vel (ft/s):	7.11	6.37	6.48	7.14	6.91	7.3
Max Depth (ft):	0.42	0.8	0.93	0.48	0.88	1.09

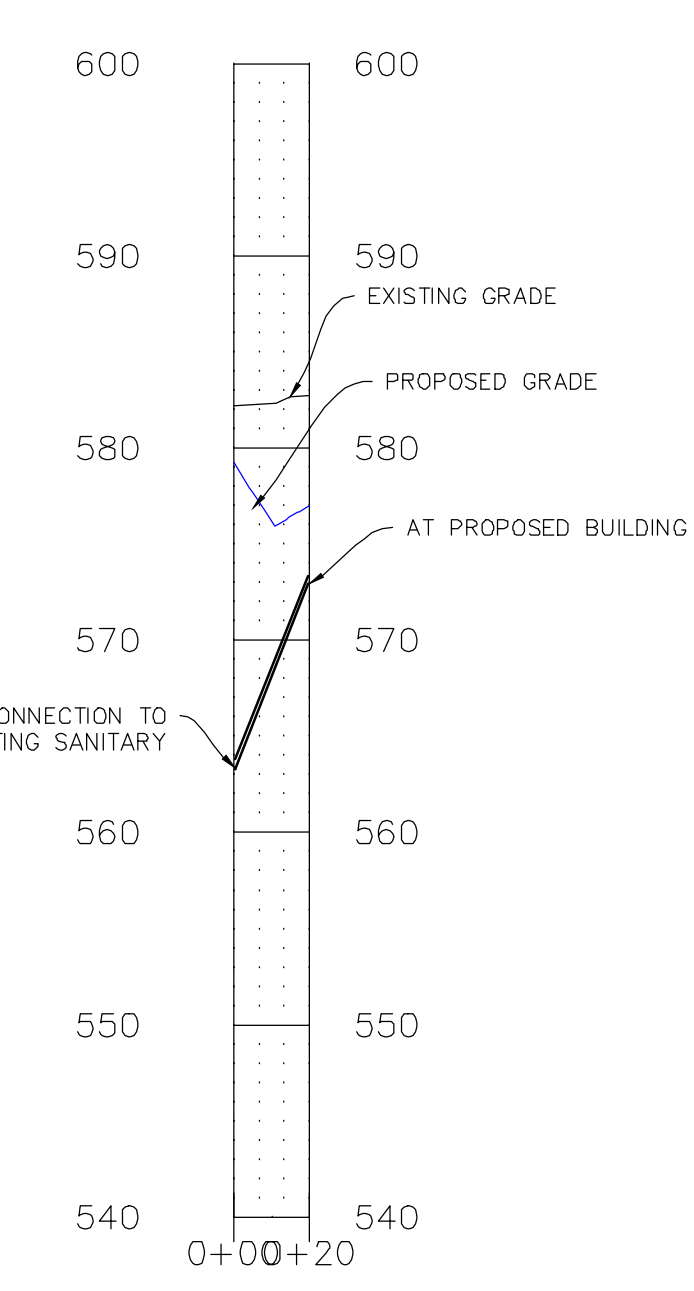
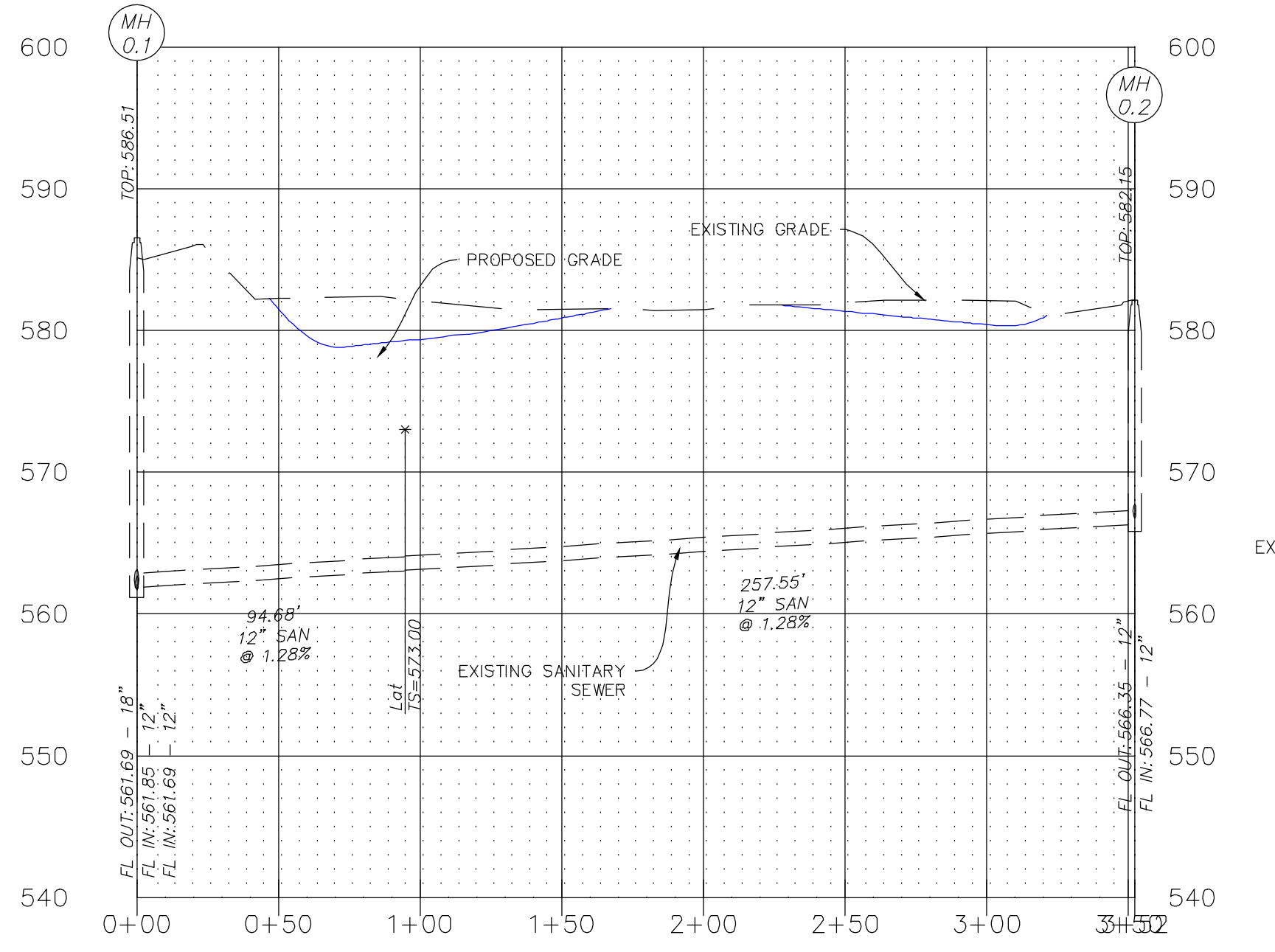
Node ID:	AI-2.2	MH-2.1	EX CI-2	EXCI-3	Out-01
Rim (ft):	575.53	574.11	567.62	567.24	
Invert (ft):	569.68	568.77	560.97	559.67	559.27
Max HGL (ft):	570.07	569.26	564.17	560.96	560.19

Link ID:	2.2-2.1	2.1-2	EXCI2-EX	EXCI3-OUTLET
Length (ft):	80.91	274.23	109.8	20
Dia (in):	15	15	18	21
Slope (ft/ft):	0.01	0.02	0.01	0.02
Up Invert (ft):	569.68	568.77	560.97	559.67
Dn Invert (ft):	568.87	563.29	559.67	559.27
Max Q (cfs):	1.45	1.46	9.98	13.15
Max Vel (ft/s):	4.51	5.86	7.3	10.29
Max Depth (ft):	0.39	0.32	1.09	0.92

Element ID	Inlet Location	Number of Inlets	Catchbasin	Max Invert Elevation	Max (Rim) Elevation	Max (Rim) Offset	Initial Water Elevation	Initial Water Depth	Gutter Cross Slope	Peak Flow (cfs)	Peak Flow Intercepted by Inlet	Peak Flow Bypassing Inlet	Peak Flow during	Peak Flow Efficiency (%)
AI-1.5	On Grade	1		569.01	573.67	4.66	569.01	0.00	0.0200	3.29	1.46	1.84	44.20	
AI-2.2	On Sag	1		569.68	575.53	5.85	569.68	0.00	0.0620	1.45	N/A	N/A	N/A	
CI-1.3	On Grade	1		566.02	573.68	7.66	566.02	0.00	0.0200	1.84	0.45	1.39	24.52	
EX CI-2	On Grade	1		560.97	567.62	6.65	560.97	0.00	0.0200	2.59	0.83	1.75	32.14	
EXCI-3	On Grade	1		559.67	567.24	7.57	559.67	0.00	0.0200	1.81	1.43	0.37	79.34	

Element ID	Invert Elevation	Ground/Rim (Max) Elevation	Ground/Rim (Max) Offset	Initial Water Elevation	Surcharge (ft)	Peak Water Inflow (cfs)	Maximum HGL Elevation Attained	Maximum HGL Depth Attained	Minimum HGL Attained	Average HGL Elevation Attained	Average HGL Depth Attained
HYDRO-SEPARATOR	565.18	575.09	9.91	565.18	575.09	3.16	565.87	0.69	9.22	565.19	0.01
MH-1.1	565.06	575.06	10.00	565.06	575.06	6.30	566.91	1.85	8.15	566.44	1.38
MH-2.1	568.77	574.11	5.34	568.77	574.11	1.45	569.26	0.49	4.85	568.88	0.11

SN	Element Description	From (Node)	To (Node)	Length (ft)	Inlet Invert	Inlet Elevation	Outlet Invert	Outlet Elevation	Average Inflow (cfs)	Pipe Diameter (in)	Pipe Slope	Manning's n	Initial Peak Flow (cfs)	Time of Occurrence	Max Flow (cfs)	Design Flow (cfs)	Max Flow / Design Flow	Max Depth (ft)	Max Flow Rate
1	1.5-1.4	MH-1.1	EXCI-2	68.5	569.01	568.32	566.22	565.5	1.46	12	0.0101	0.0101	1.46	0.0020	1.46	1.46	1.00	0.42	0.0020
2	1.4-1.3	MH-1.1	MH-1.2	190.15	569.01	568.12	566.02	565.3	5.21	15	0.01	0.01	5.21	0.0020	5.21	5.21	1.00	0.8	0.0020
3	1.3-1.2	MH-1.2	EXCI-2	51.85	566.02	565.5	566.43	563.29	6.3	15	0.01	0.01	6.3	0.0020	6.3	6.3	1.00	0.93	0.0020
4	1.2-1.1	MH-1.2	MH-1.1	18.59	566.02	566.8	566.43	563.29	3.14	15	0.0199	0.0199	3.14	0.0020	3.14	3.14	1.00	0.48	0.0020
5	1.1-2	MH-1.1	EXCI-2	156.95	565.06	564.86	560.97	559.67	6.31	15	0.01	0.01	6.31	0.0020	6.31	6.31	1.00	0.88	0.0020
6	EXCI2-EXCI3	EXCI-2	EXCI-3	109.8	560.97	560.97	559.67	559.27	13.15	18	0.01	0.01	13.15	0.0020	13.15	13.15	1.00	1.09	0.0020
7	2.2-2.1	AI-2.2	MH-2.1	80.91	569.68	568.77	560.97	559.27	1.45	15	0.01	0.01	1.45	0.0020	1.45	1.45	1.00	0.39	0.0020
8	2.1-2	MH-2.1	EXCI-2	274.23	568.77	563.29	559.67	559.27	1.46	15	0.02	0.02	1.46	0.0020	1.46	1.46	1.00	0.32	0.0020
9	EXCI3-OUTLET	EXCI-3	OUTLET	20	559.67	559.27	559.27	559.27	13.15	21	0.02	0.02	13.15	0.0020	13.15	13.15	1.00	0.92	0.0020



UTILITIES NOTE

UNDERGROUND FACILITIES, UTILITIES AND STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE ALL UTILITIES LOCATED IN THE FIELD PRIOR TO EXCAVATION OR CONSTRUCTION.

PROJECT TITLE
IMPROVEMENT PLANS
STL WHOLESAL

PROFILES

PPR No. 86165/PPRC001
TASK 003

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