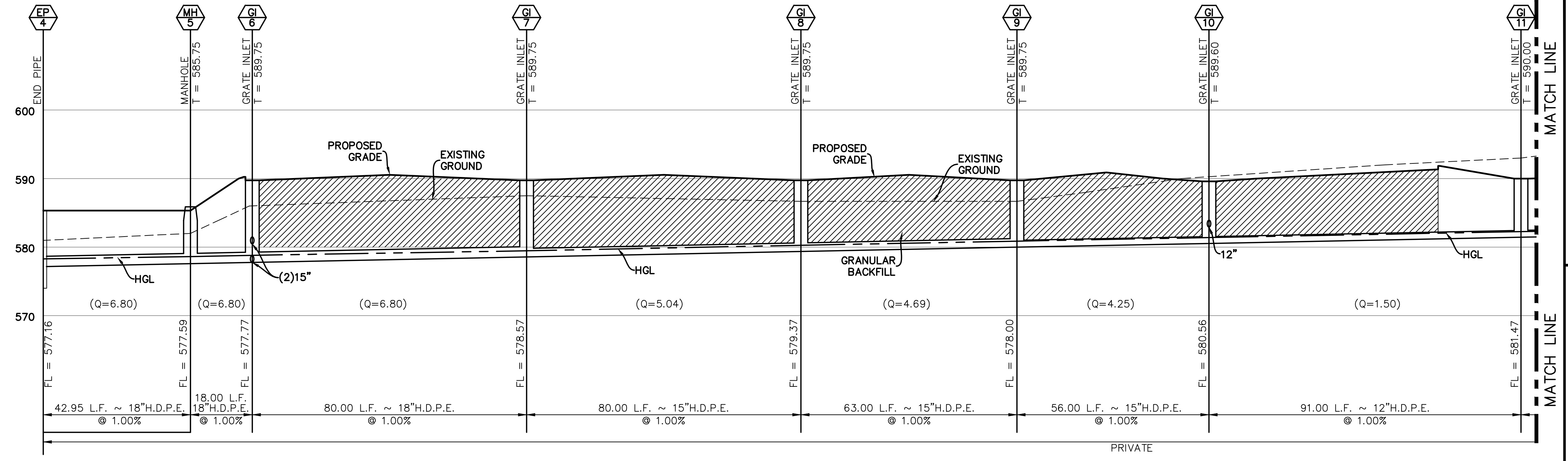


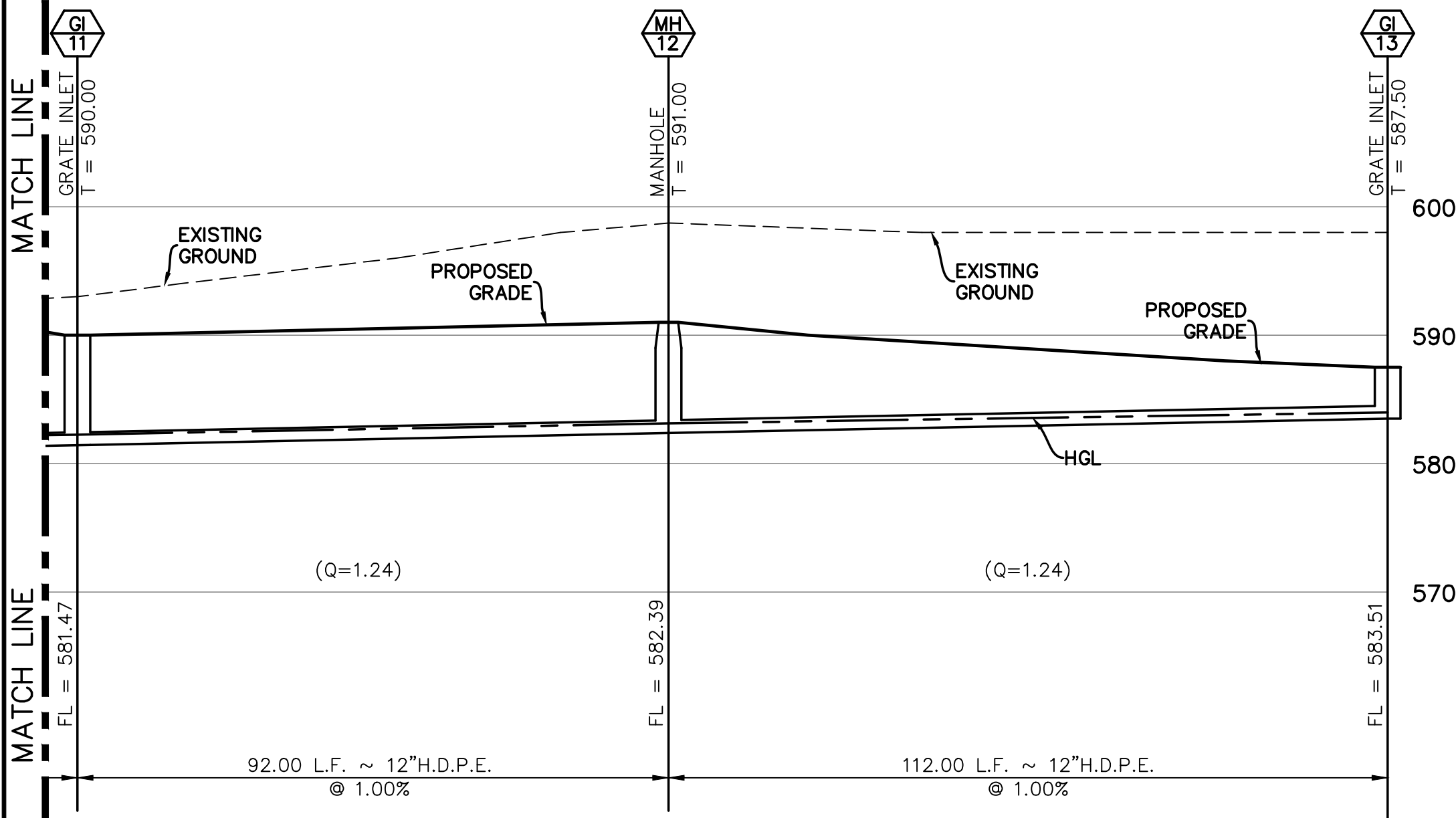
STORM SEWER PROFILES

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



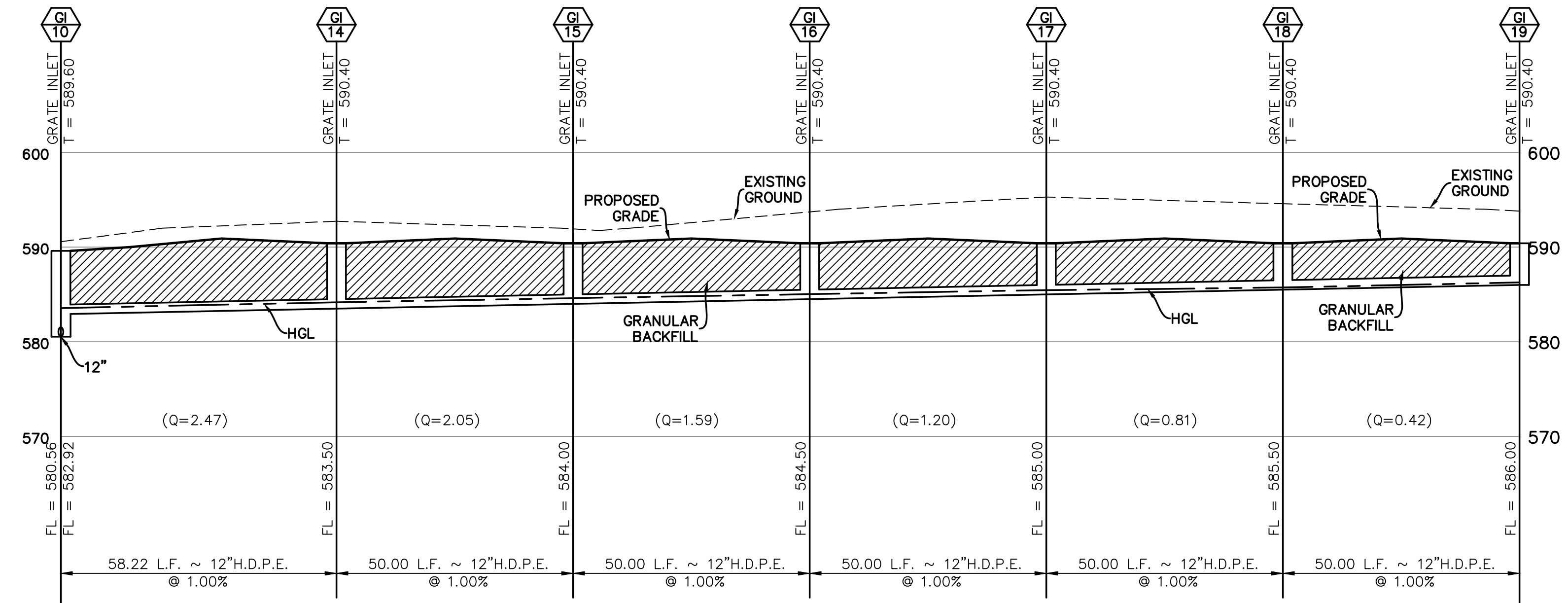
STORM SEWER PROFILES

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



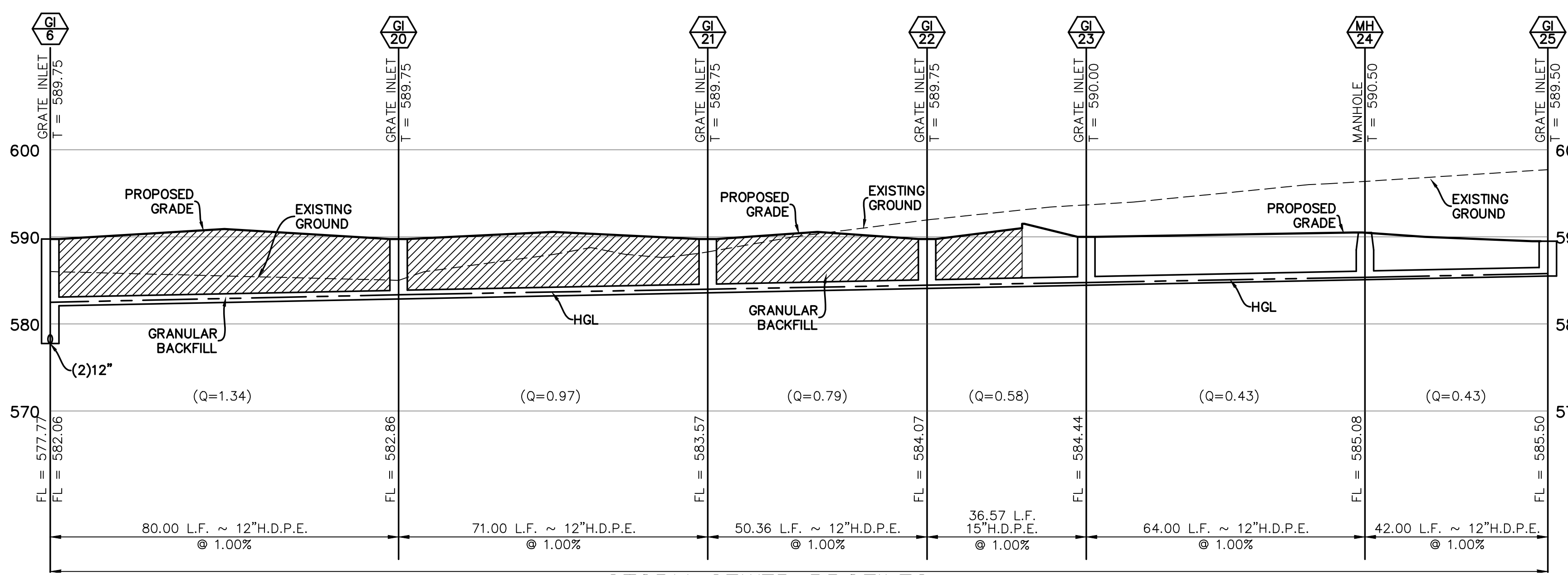
STORM SEWER PROFILES

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



STORM SEWER PROFILES

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



STORM SEWER PROFILES

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

Hydraflow Storm Sewer Tabulation

Station	Line	Len (ft)	Dmg Area (ac)	Rinoff coeff	Area x C	Tc (min)	Rain (in/hr)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe		Invert Elev (ft)	HGL Elev (ft)		Grnd/Rim Elev (ft)		Line ID		
											Size (in)	Slope (%)		Dn (ft)	Up (ft)	Dn (ft)	Up (ft)		Dn (ft)	Up (ft)
1	End	15.11	0.00	0.00	0.00	0.00	0.1	0.00	7.51	10.46	5.50	18	1.00	574.41	574.56	575.53	574.41	574.56	FES1 - MH2	
2	1	15.11	0.00	0.00	0.00	0.00	0.0	0.00	7.51	37.34	5.50	18	1.00	574.56	576.47	575.68	574.56	580.00	MH2 - OS3	
Return Period = 15 Yrs.; Initial tailwater elevation = 575.53 (ft)																				
1	END	42.95	0.00	0.00	0.00	0.00	3.4	0.00	7.22	10.51	5.35	18	1.00	577.16	577.59	578.28	578.62	578.66	585.75	EP4 - MHS
2	1	18.00	0.00	0.00	0.00	0.00	3.3	0.00	7.22	10.50	5.61	18	1.00	577.59	577.77	578.62	578.60	585.75	589.75	MHS - GI6
3	2	80.00	0.00	0.00	0.00	0.00	2.8	0.00	5.46	10.50	4.61	18	1.00	577.77	578.57	578.80	579.46	589.75	589.75	GI6 - GI7
4	3	80.00	0.00	0.00	0.00	0.00	2.4	0.00	5.04	6.46	5.36	15	1.00	578.57	579.37	579.46	580.27	589.75	589.75	GI7 - GI8
5	4	63.00	0.00	0.00	0.00	0.00	2.0	0.00	4.69	6.46	5.07	15	1.00	579.37	580.00	580.27	580.87	589.75	589.75	GI8 - GI9
6	5	56.00	0.00	0.00	0.00	0.00	1.7	0.00	4.25	6.46	4.81	15	1.00	580.00	580.56	580.87	581.39	589.75	589.60	GI9 - GI10
7	6	91.00	0.00	0.00	0.00	0.00	1.11	0.00	1.50	3.56	2.90	12	1.00	580.56	581.47	581.99	589.60	590.00	590.00	GI10 - GI11
8	7	92.00	0.00	0.00	0.00	0.00	0.6	0.00	1.24	3.56	3.20	12	1.00	581.47	582.39	581.99	582.56	590.00	591.00	GI11 - MH12
9	8	112.00	0.00	0.00	0.00	0.00	1.5	0.00	1.24	3.56	3.40	12	1.00	582.39	583.51	582.86	583.98	590.00	590.00	MH12 - GI13
10	6	58.22	0.00	0.00	0.00	0.00	1.4	0.00	2.47	3.55	4.66	12	1.00	582.92	583.50	583.33	584.17	589.60	590.40	GI13 - GI14
11	10	50.00	0.00	0.00	0.00	0.00	1.1	0.00	2.05	3.56	3.90	12	1.00	583.50	584.00	584.17	584.61	590.40	590.40	GI14 - GI15
12	11	50.00	0.00	0.00	0.00	0.00	0.8	0.00	1.59	3.56	3.45	12	1.00	584.00	584.50	584.61	585.03	589.40	590.40	GI15 - GI16
13	12	50.00	0.00	0.00	0.00	0.00	0.6	0.00	1.20	3.56	3.08	12	1.00	584.50	585.00	585.03	585.46	590.40	590.40	GI16 - GI17
14	13	50.00	0.00	0.00	0.00	0.00	0.3	0.00	0.81	3.56	2.60	12	1.00	585.00	585.46	585.88	590.40	590.40	590.40	GI17 - GI18
15	14	50.00	0.00	0.00	0.00	0.00	0.0	0.00	0.42	3.56	1.96	12	1.00	585.50	586.00	585.88	586.27	590.40	590.40	GI18 - GI19
16	2	80.00	0.00	0.00	0.00	0.00	1.5	0.00	1.34	3.56	3.85	12	1.00	582.06	582.86	582.49	583.35	589.75	589.75	GI6 - GI20
17	16	71.00	0.00	0.00	0.00	0.00	1.1	0.00	0.97	3.56	2.82	12	1.00	582.86	583.57	583.35	583.99	589.75	589.75	GI20 - GI21
18	17	50.36	0.00	0.00	0.00	0.00	0.6	0.00	0.58	3.58	2.39	12	1.00	583.57	584.07	583.99	584.45	589.75	589.75	GI21 - GI22
19	18	36.57	0.00	0.00	0.00	0.00	0.6	0.00	0.58	3.58	2.39	12	1.00	584.07	584.44	584.45	584.76	589.75	590.00	GI22 - GI24
20	19	64.00	0.00	0.00	0.00	0.00	0.2	0.00	0.43	3.56	2.19	12	1.00	584.44	585.08	584.76	585.36	590.00	590.50	GI23 - MH24
21	20	42.00	0.00	0.00	0.00	0.00	0.0	0.00	0.43	3.56	2.41	12	1.00	585.08	585.50	585.36	585.78	590.50	589.20	MH24 - GI25
Return Period = 15 Yrs.; Initial tailwater elevation = 578.28 (ft)																				

NOTE:

- DENOTES COMPACTED FILL
- DENOTES GRANULAR BACKFILL
- HGL HYDRAULIC GRADE LINE
- R.C.P. REINFORCED CONCRETE PIPE
- H.D.P.E. HIGH DENSITY POLYETHYLENE
- D.I.P. DUCTILE IRON PIPE

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REVISION	DATE	BY	APP'D

PROJECT TITLE

LAND PLANNING • CIVIL ENGINEERING

StarCo Self Storage
New Buildings and Drive
O'Fallon, Mo.

4053 North St. Peters Pkwy. Ste D
St. Peters, MISSOURI 63304
Ph: (636) 477-6466

MO. CERT. OF AUTHORITY
FOR ENGINEERING
LIC. NO. 2019001202

LDC
ENGINEERING LLC.

SEAL

MILLAN AUGUST HEYSE PE
PROFESSIONAL ENGINEER E-4297

Developer
StarCo LLC
24 O'Fallon Sq.
O'Fallon, Missouri 63366

Owner Information
Greater Midwest Builder LTD
1551 Wall St. Ste. 220
St. Charles, Missouri 63303

City of O'Fallon Site Plan

P+Z No. 22-010078
Approval Date 3-2-2023
Permit No.

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