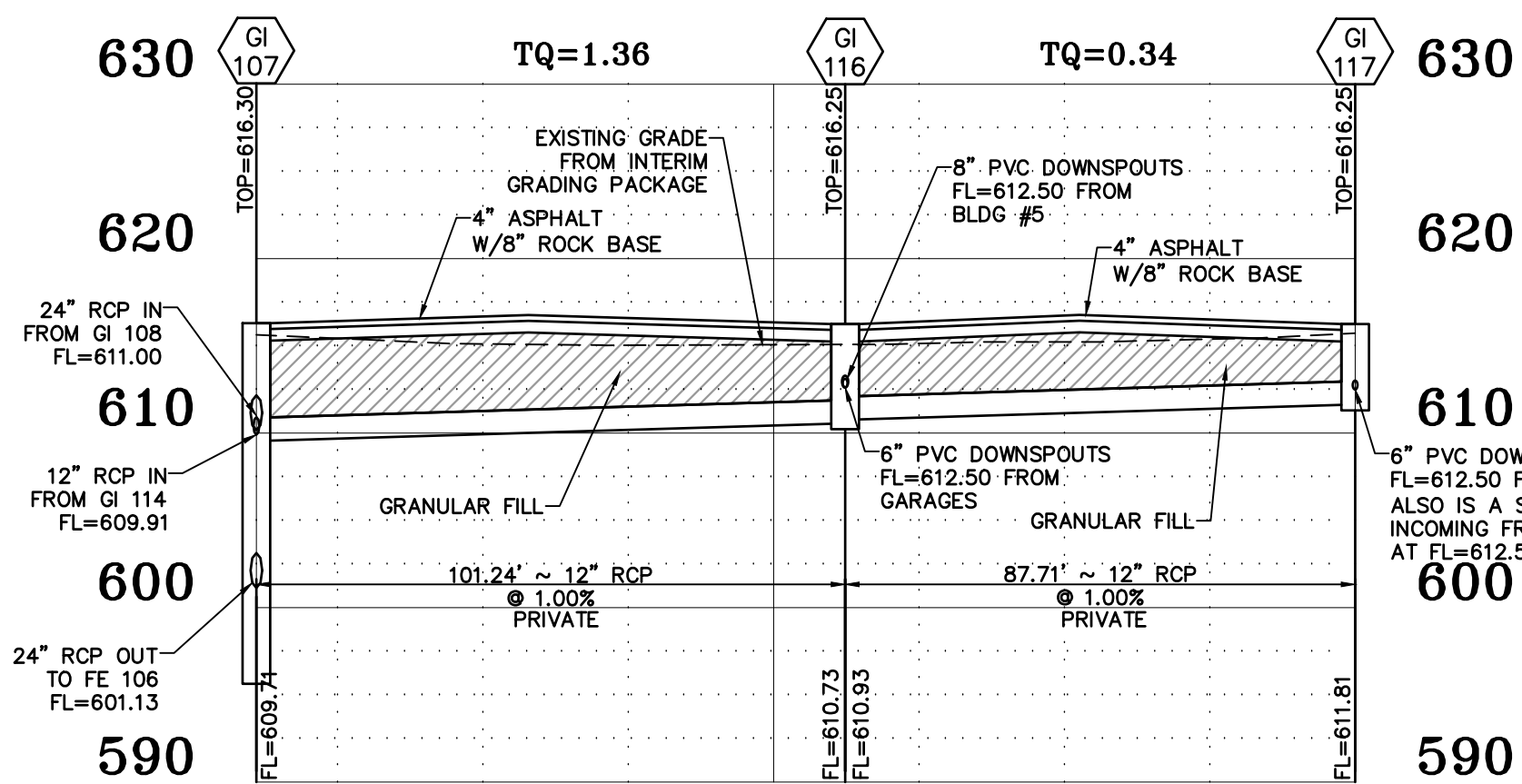


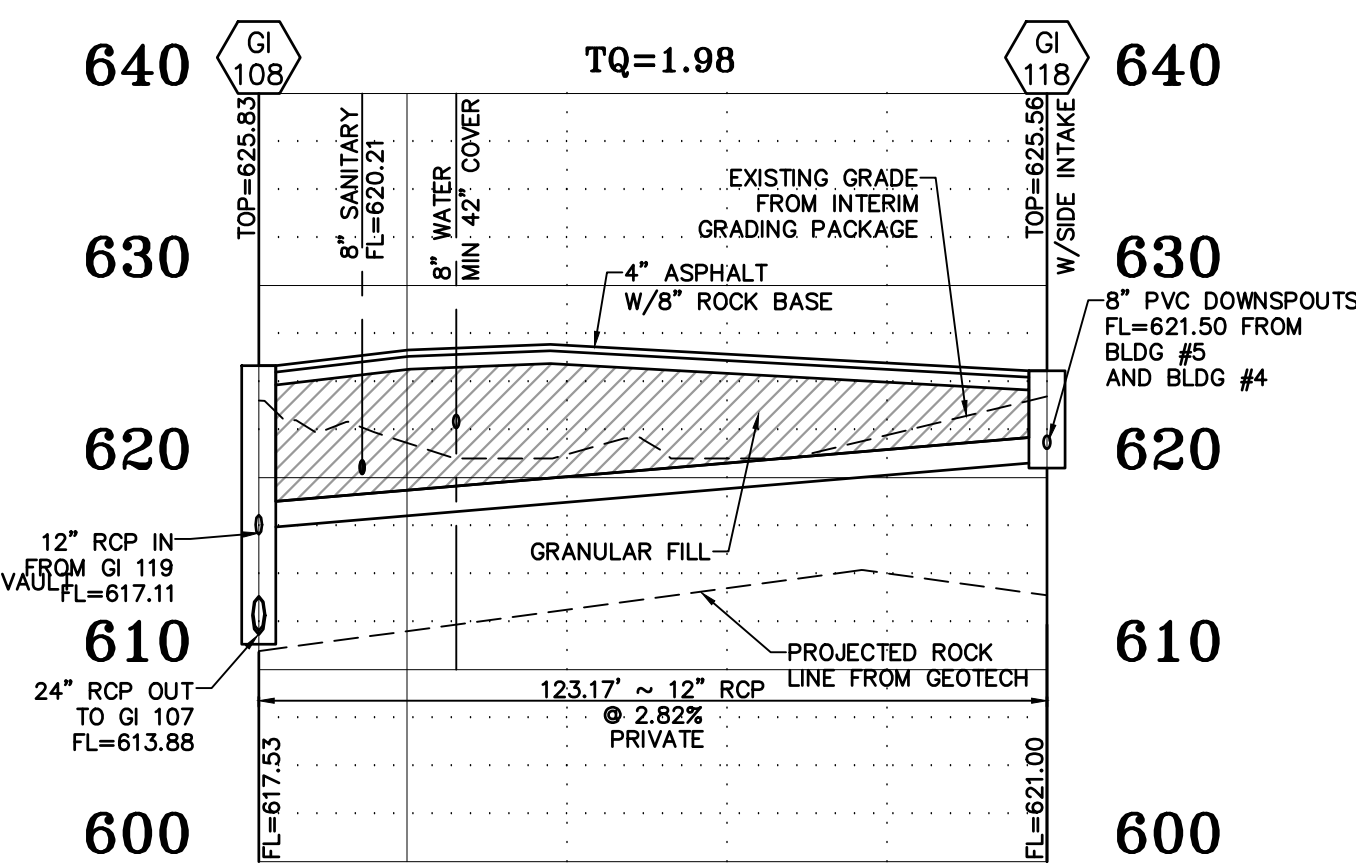
STORM PROFILE

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'



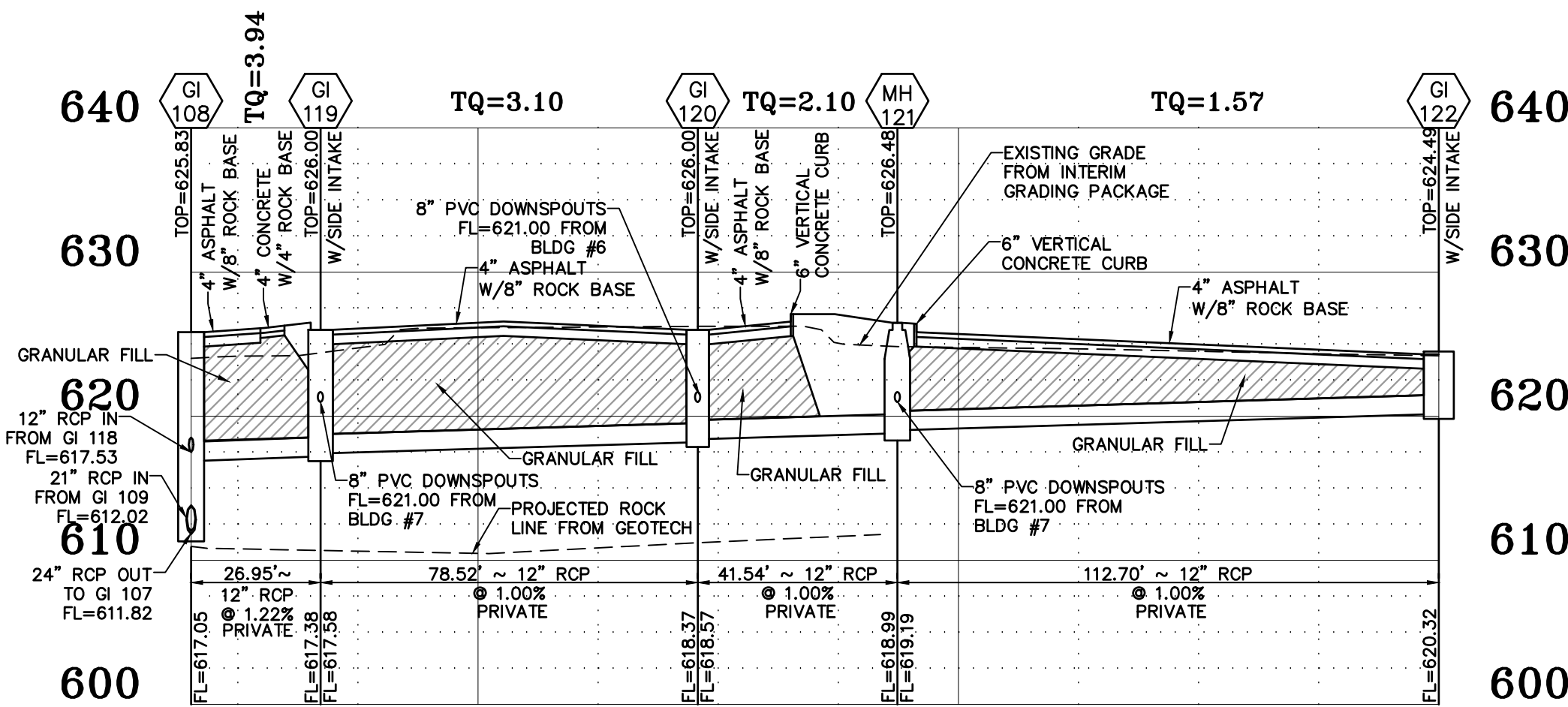
STORM PROFILE

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'



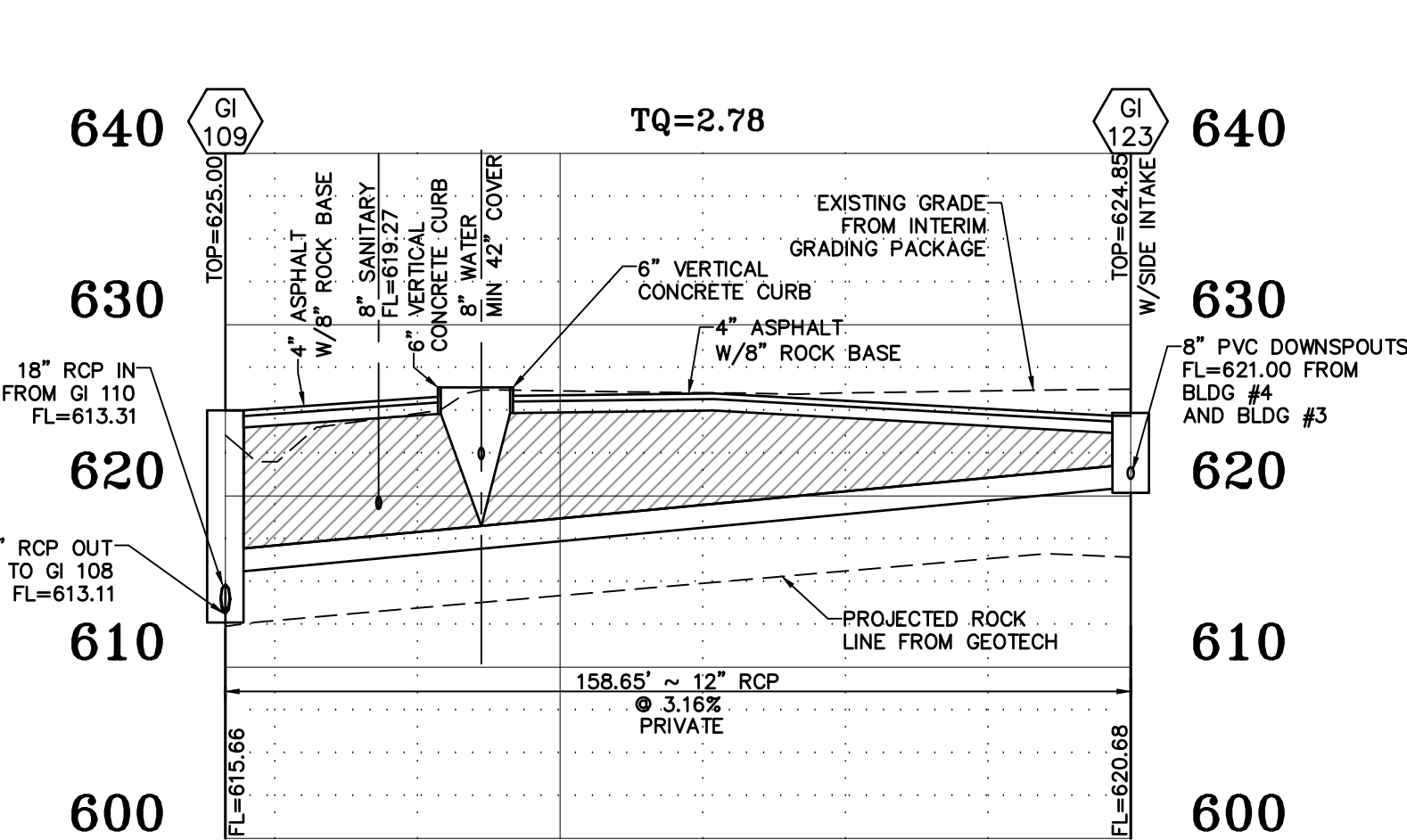
STORM PROFILE

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'



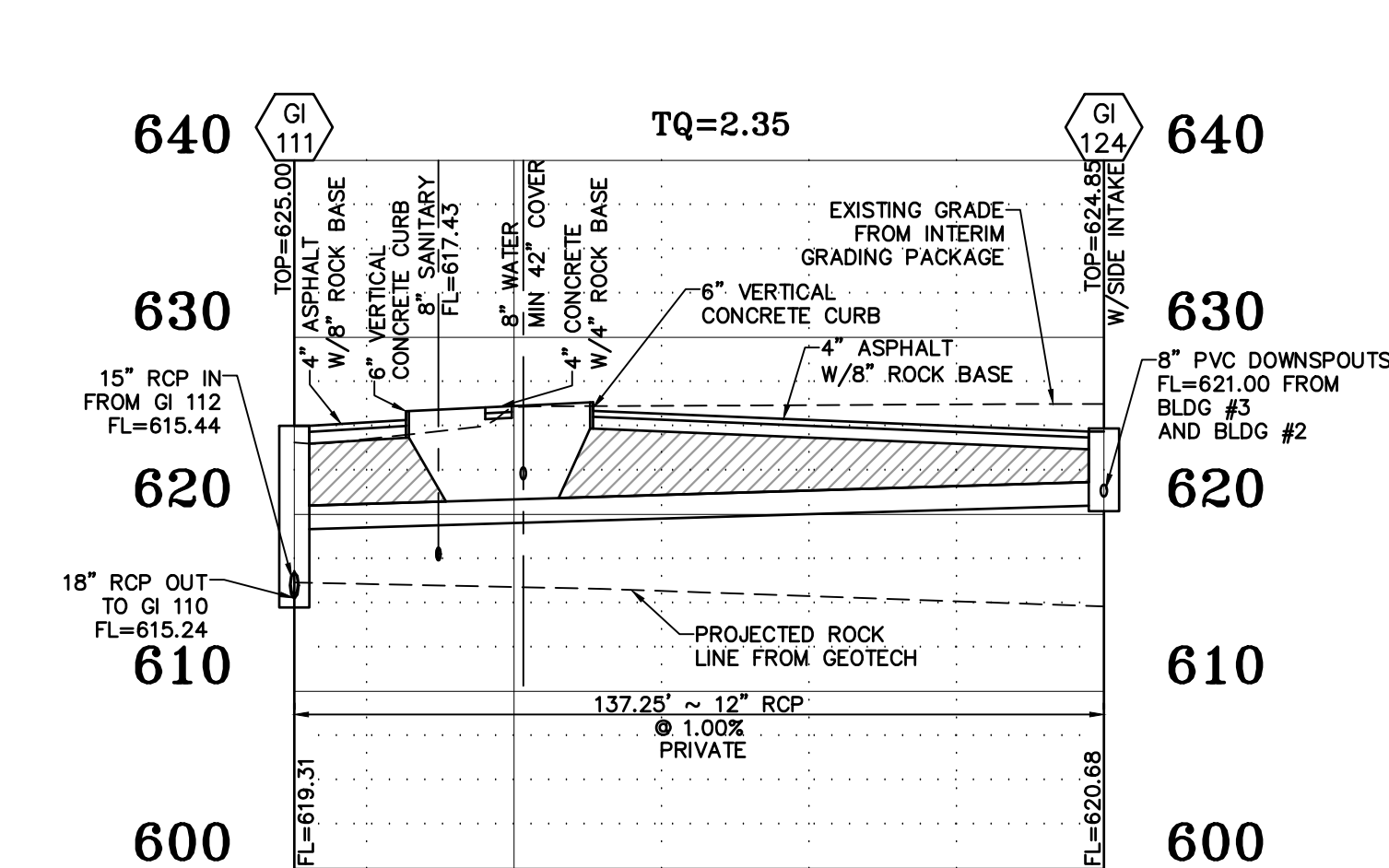
STORM PROFILE

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'



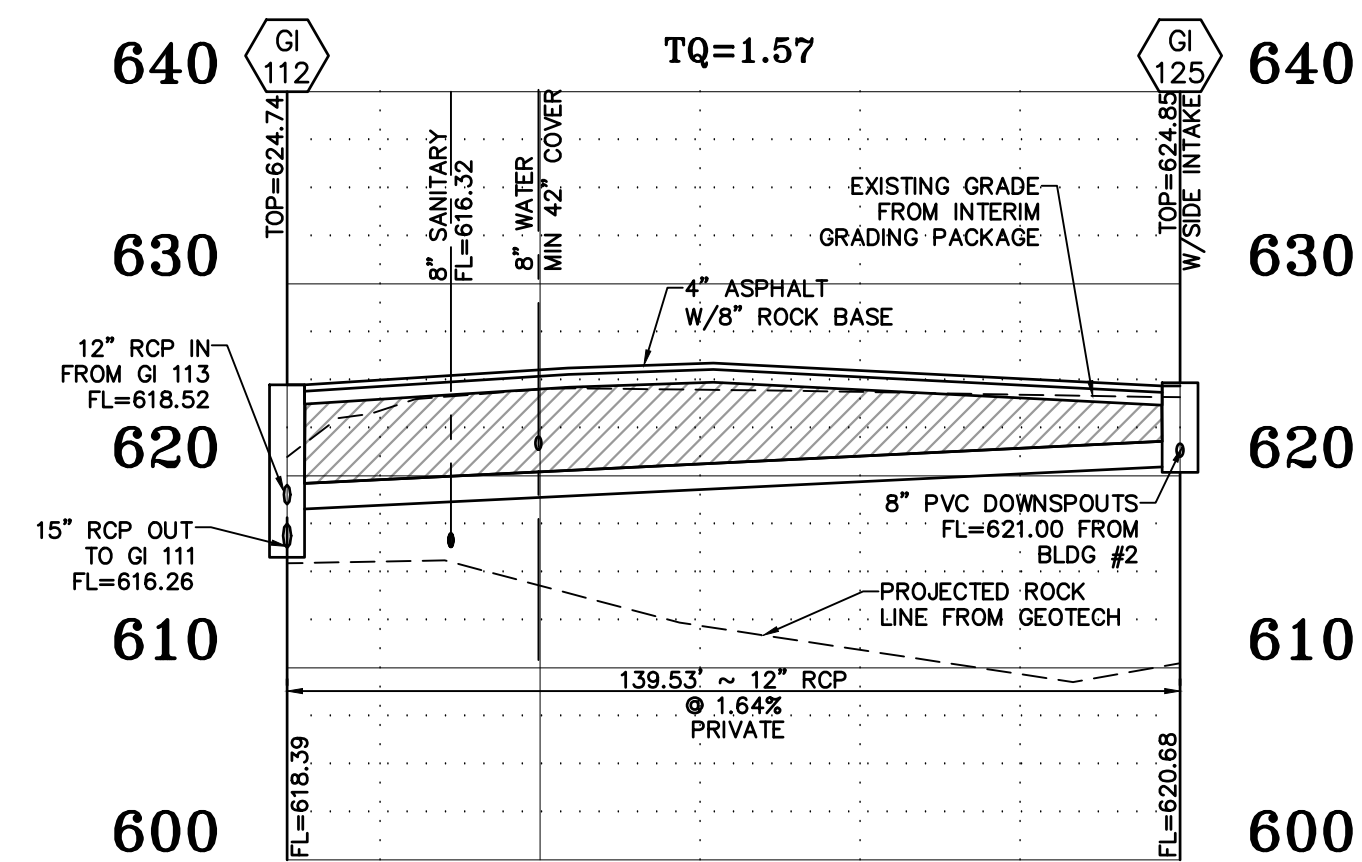
STORM PROFILE

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'



STORM PROFILE

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'



STORM PROFILE

HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'

St Charles County Government Hydraulic Review Output Data

W:\VAULTSERVER\Folder\19000\19014 - Thornbury Crossing\Engineering\Hydraulics\main line 1.txt

7/22/2024

Upp Str	Low Str	PL S	FL LN	FL LN	PS	ST EL	Depth	Upp	Low	Hydr	FR	VEL	Junc	Turn	Curve	STR	Ini	DR	Pipe	Remarks		
1	GI 125	GI 112	140	12	620.68	618.39	1.64	624.85	3.76	621.09	619.39	0.00190	2.27	2.00	0.08	0.06	0.00	0.00	1.57	1.57	4.56	BRANCH LINE 1
2	GI 124	GI 111	137	12	620.68	619.31	1.00	624.85	3.59	621.26	620.31	0.00440	0.60	2.99	0.14	0.14	0.00	0.00	2.35	2.35	3.56	BRANCH LINE 2
3	GI 123	GI 109	159	12	620.68	615.66	3.16	624.85	3.70	621.15	616.66	0.00610	0.97	3.54	0.19	0.19	0.00	0.00	2.78	2.78	6.33	BRANCH LINE 3
4	GI 122	MH 121	113	12	620.32	619.19	1.00	624.49	3.70	620.79	620.19	0.00190	0.21	2.00	0.08	0.06	0.00	0.00	1.57	1.57	3.56	BRANCH LINE 4
5	MH 121	GI 120	42	12	618.99	618.37	1.01	626.48	6.73	619.75	619.37	0.00350	0.16	2.67	0.11	0.09	0.00	0.00	0.83	2.10	3.58	BRANCH LINE 4
6	GI 120	GI 119	79	12	618.37	617.38	1.01	626.00	6.81	619.19	618.58	0.00760	0.60	3.95	0.24	0.00	0.01	0.00	1.00	3.10	3.58	BRANCH LINE 4
7	GI 119	GI 108	27	12	617.38	617.05	1.22	626.00	7.63	618.37	618.05	0.01200	0.32	4.97	0.38	0.00	0.00	0.00	0.80	3.90	3.94	BRANCH LINE 4
8	GI 118	GI 108	123	12	621.00	617.53	2.82	625.56	4.17	621.39	618.53	0.00310	0.38	2.52	0.10	0.10	0.00	0.00	1.98	1.98	5.98	BRANCH LINE 5
9	GI 117	GI 116	88	12	611.81	610.93	1.00	616.25	4.22	612.03	611.93	0.00010	0.01	0.43	0.00	0.00	0.00	0.00	0.34	0.34	3.56	BRANCH LINE 6
10	GI 116	GI 107	101	12	610.73	609.71	1.01	616.25	5.10	611.16	610.71	0.00150	0.15	1.73	0.05	0.00	0.00	0.00	1.02	1.36	3.58	BRANCH LINE 6
11	GI 115	GI 114	110	12	612.00	610.70	1.18	616.25	4.01	612.24	611.70	0.00020	0.02	0.67	0.01	0.01	0.00	0.00	0.53	0.53	3.87	BRANCH LINE 7
12	GI 114	GI 107	78	12	610.70	609.91	1.01	616.25	5.06	611.19	610.91	0.00230	0.18	2.16	0.07	0.00	0.00	0.00	1.17	1.70	3.58	BRANCH LINE 7
13	GI 113	GI 112	190	12	619.67	618.52	0.61	622.92	2.29	620.63	619.52	0.00500	0.95	3.20	0.16	0.16	0.00	0.00	2.51	2.51	2.78	START OF MAIN BRANCH 1
14	GI 112	GI 111	136	15	616.26	615.45	0.60	627.74	8.91	617.83	616.93	0.00520	0.71	3.78	0.22	0.19	0.00	0.00	0.59	4.84	5.00	MAIN BRANCH 1
15	GI 111	GI 110	108	18	615.25	614.59	0.61	625.00	8.07	616.93	616.09	0.00500	0.85	4.62	0.33	0.19	0.00	0.00	1.17	8.16	8.20	MAIN BRANCH 1
16	GI 110	GI 109	108	18	614.39	613.31	1.00	625.00	8.41	615.59	614.81	0.00720	0.78	5.05	0.40	0.00	0.00	0.00	0.76	8.92	10.50	MAIN BRANCH 1
17	GI 109	GI 108	108	21	613.11	612.02	1.00	625.00	10.43	614.57	613.77	0.00620	0.67	5.29	0.42	0.13	0.00	0.00	0.80	12.90	15.85	MAIN BRANCH 1
18	GI 108	GI 107	165	24	611.82	610.17	1.00	625.83	12.19	613.64	612.17	0.00720	1.19	6.11	0.58	0.28	0.00	0.00	1.99	16.18	22.62	MAIN BRANCH 1
19	GI 107	FE 106	72	24	601.13	597.00	5.73	616.30	14.26	602.04	599.00	0.01020	0.74	7.26	0.82	0.34	0.00	0.00	0.56	22.80	54.15	MH1 FL 599 ITP 599

St Charles County Government Hydraulic Review Output Data

W:\VAULTSERVER\Folder\19000\19014 - Thornbury Crossing\Engineering\Hydraulics\main line 2.txt

7/22/2024

Upp Str	Low Str	PL S	FL LN	FL LN	PS	ST EL	Depth	Upp	Low	Hydr	FR	VEL	Junc	Turn	Curve	STR	Ini	DR	Pipe	Remarks		
1	GI 105	GI 104	106	12	622.50	621.44	1.00	628.58	5.74	622.84	622.44	0.00060	0.06	1.12	0.02	0.02	0.00	0.00	0.88	0.88	3.56	
2	GI 104	MH 103	81	12	621.24	620.45	0.98	629.00	7.27	621.72	621.43	0.00210	0.17	2.09	0.07	0.00	0.00	0.00	0.76	1.64	3.54	
3	MH 103	AI 102	136	12	620.23	616.00	3.11	627.37	6.75	620.62	617.00	0.00320	0.44	2.58	0.10	0.00	0.05	0.00	0.39	2.03	6.28	
4	AI 102	GI 101	101	12	615.80	614.79	1.00	621.18	4.75	616.42	615.79	0.00510	0.52	3.23	0.16	0.00	0.06	0.00	0.51	2.54	3.56	
5	GI 101	FE 100	45	15	614.59	610.00	10.24	619.40	4.34	615.09	611.25	0.00870	0.39	4.90	0.37	0.00	0.15	0.00	3.47	6.01	20.67	STARTING FL ITP 611.25

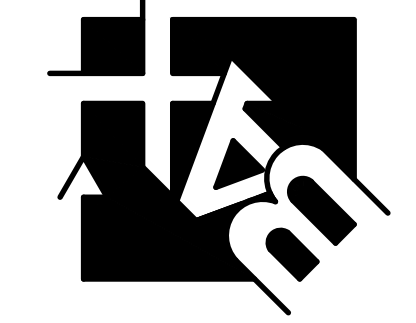
PROVIDE MARKINGS ON STORM SEWER INLET COVERS

Manufacturer	Size	Adhesive	Message (Part #)	Website
ACP International	3 7/8"	Epoxy	Crystal Cap No Dumping Drains To Waterways (SD-W-CC)	www.acpinternational.com
DAS Manufacturing, Inc.	4"	Epoxy	Standard Style No Dumping Drains To Stream (#SDS)	www.dasmanufacturing.com

PROJECT TITLE:
THORNWOOD APARTMENTS
THORNBUARY CROSSING DRIVE
OF FALLON, MO 63366

ENGINEERING
PLANNING
SURVEYING

221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
FAX 636-928-1718



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I hereby certify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

STATE OF MISSOURI
CLIFFORD L. HEITMANN
NUMBER E-29817
REGISTERED PROFESSIONAL ENGINEER

10/24/24

CLIFFORD L. HEITMANN
Civil Engineer
Engineers License E-29817

REVISIONS

NO.	DATE	DESCRIPTION
07-25-24		CITY COMMENTS
08-15-24		CITY COMMENTS

Box Engineering Company, Inc.
Missouri State Certificate of Authority
Engineering #000655

Missouri State Certificate of Authority
Surveying #000144

Developer / Owner:
MRS TROMBONE LLC
100 WOODCHASE LANE
CHESTERFIELD, MO 6307
314-469-0029

STORM PROFILES

P+Z No. 23-010426
Approval Date: 1-4-24
City No. #
Page No. 12 of 34