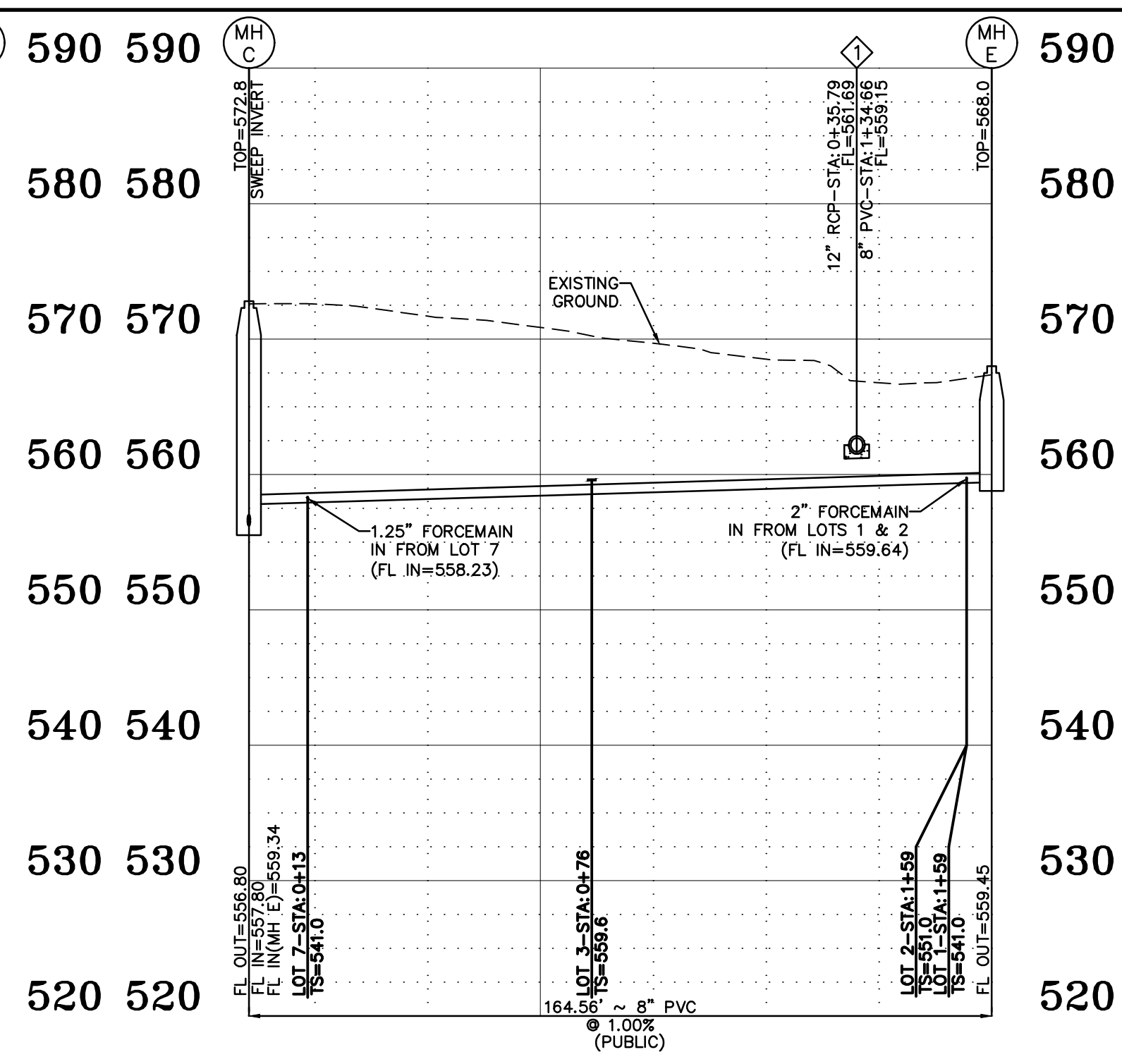
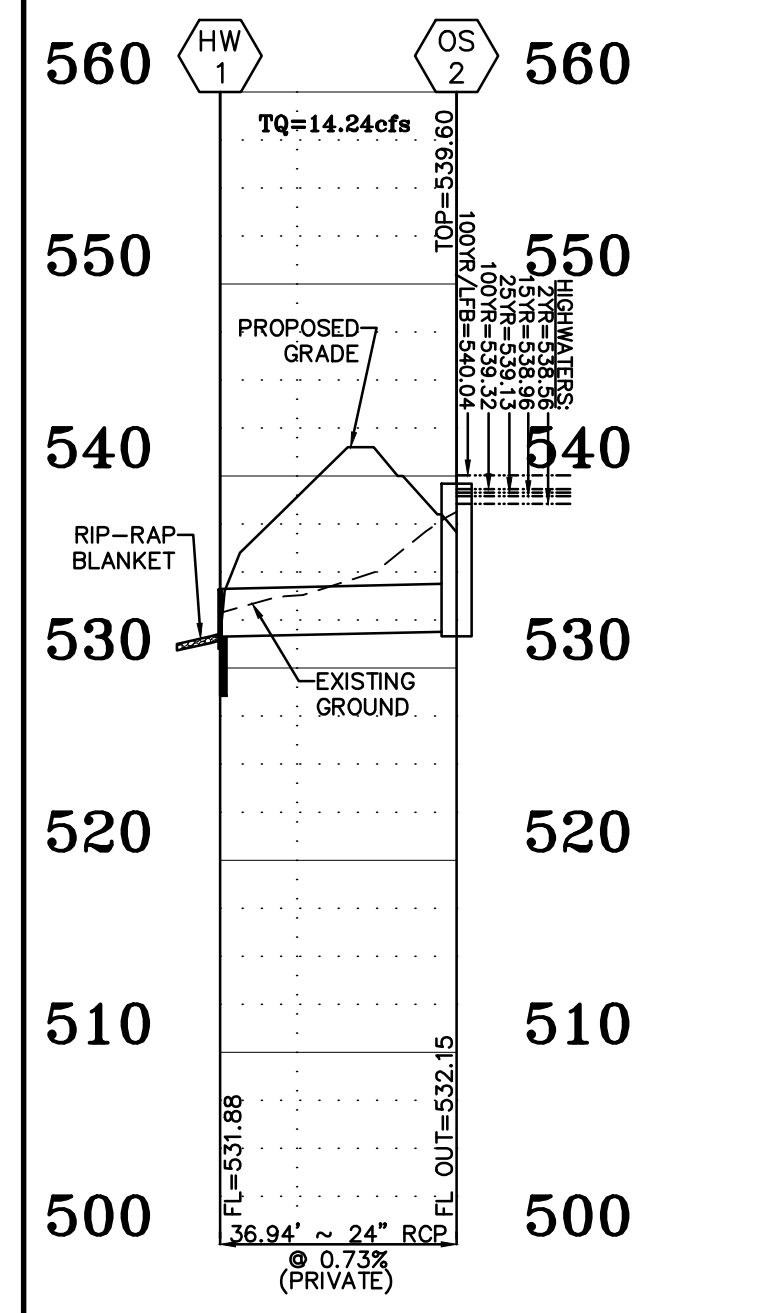


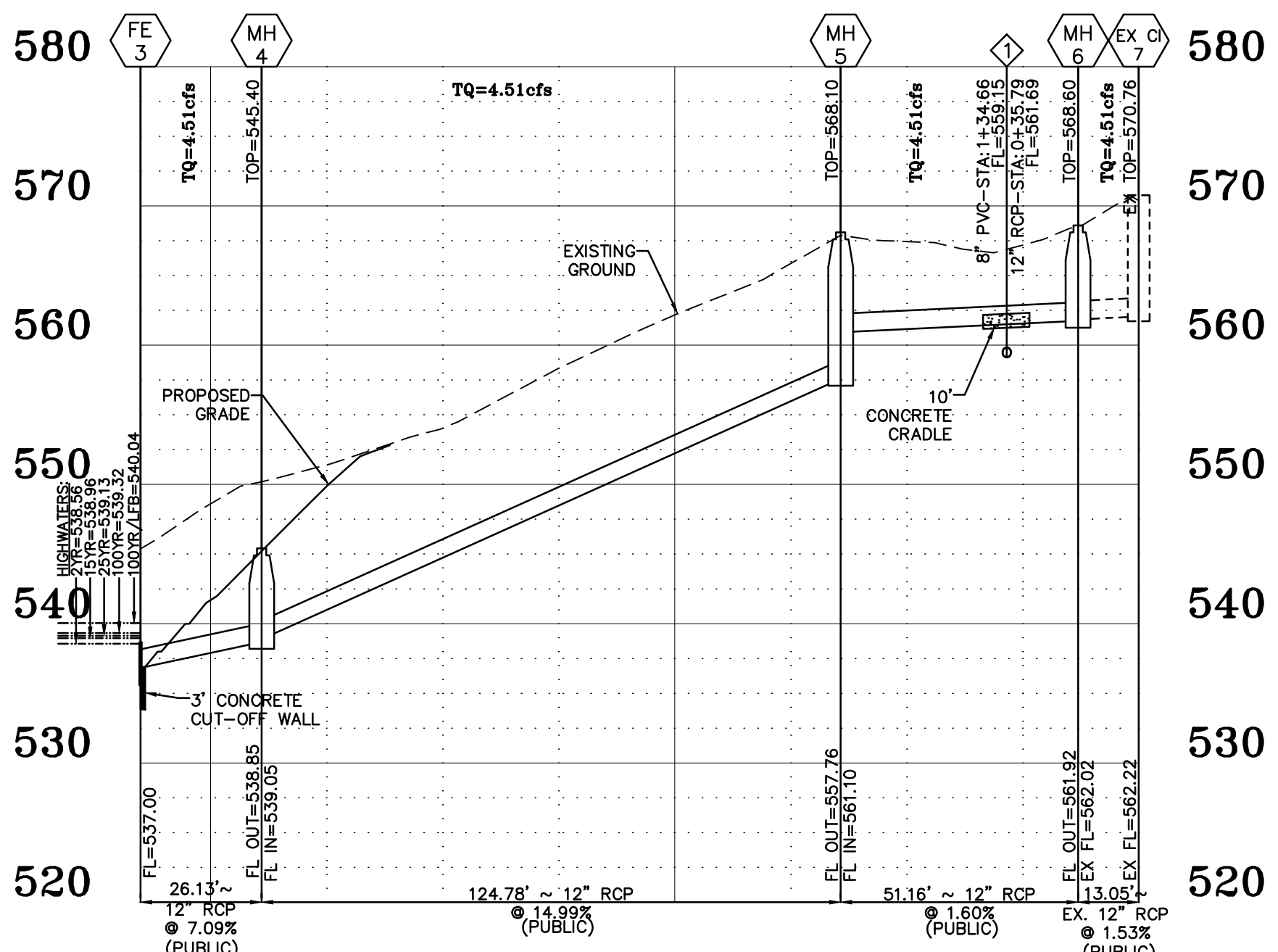
SANITARY SEWER PROFILE
 SCALES:
 HORIZ. 1"=30'
 VERT. 1"=10'



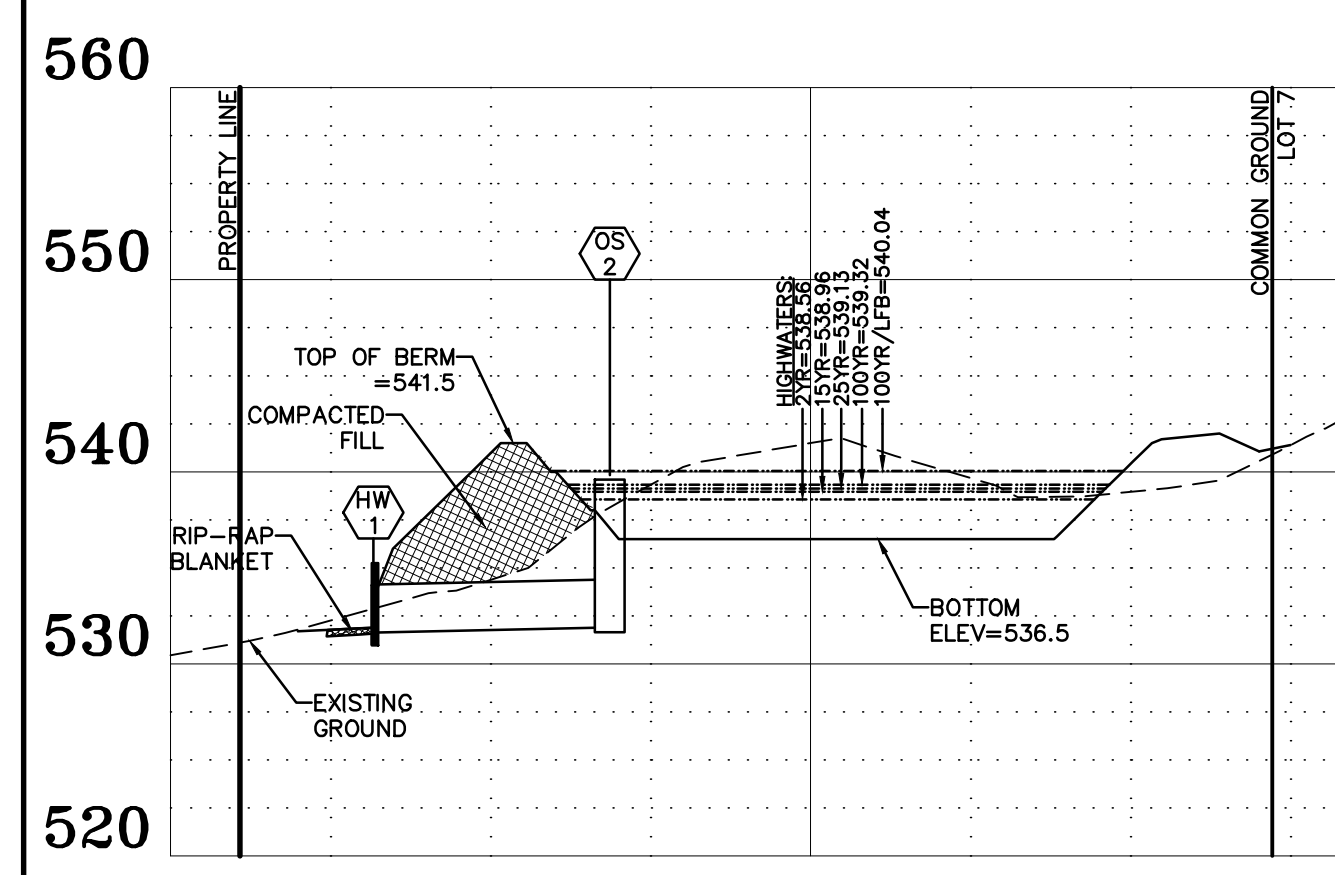
SANITARY SEWER PROFILE
 SCALES:
 HORIZ. 1"=30'
 VERT. 1"=10'



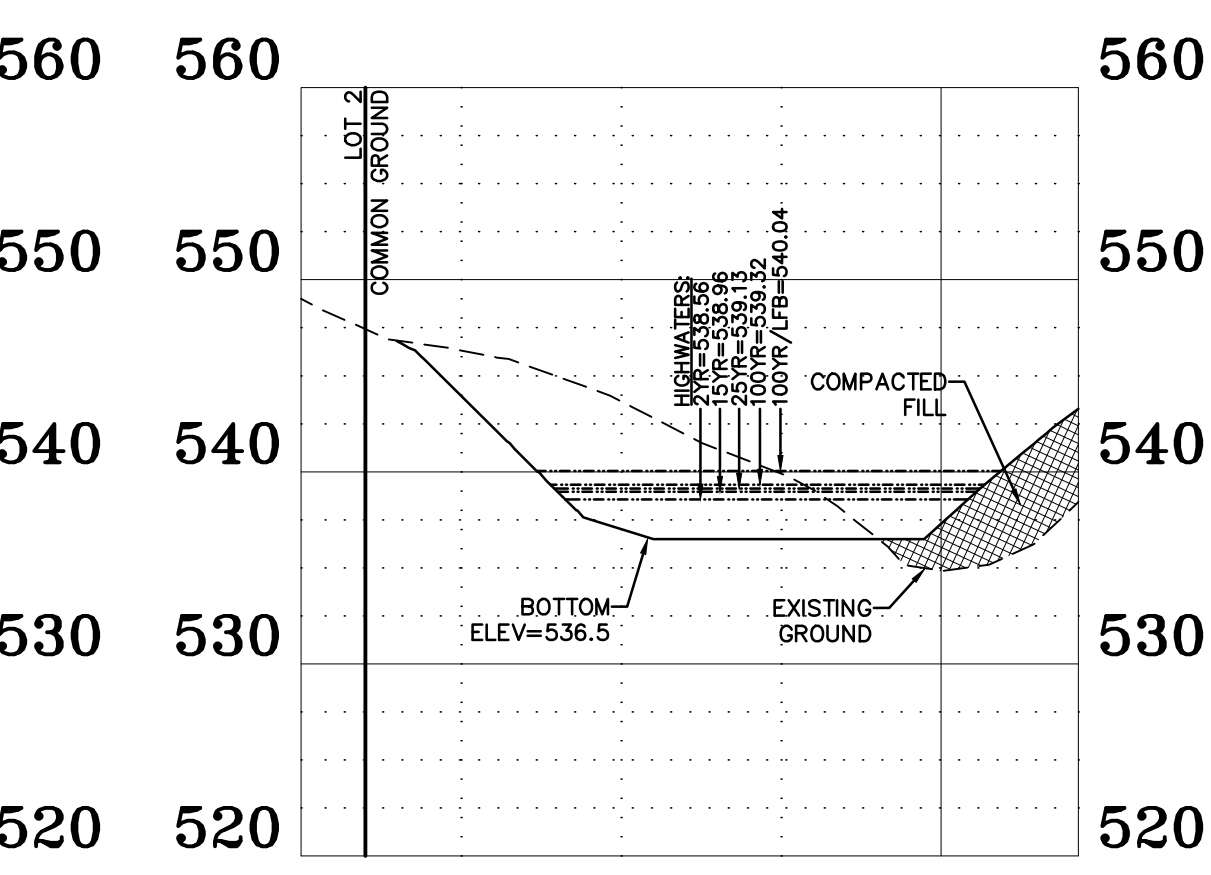
STORM SEWER PROFILE
 SCALES:
 HORIZ. 1"=30'
 VERT. 1"=10'



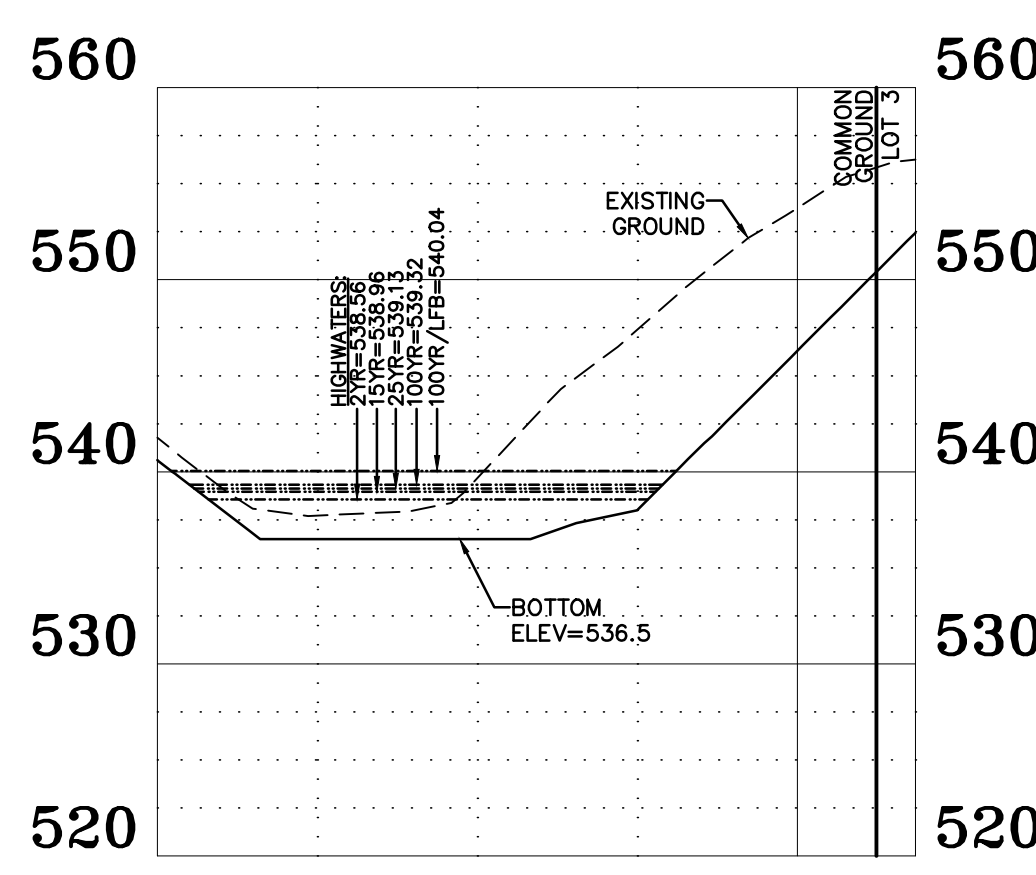
STORM SEWER PROFILE
 SCALES:
 HORIZ. 1"=30'
 VERT. 1"=10'



BASIN SECTION A-A
 SCALES:
 HORIZ. 1"=30'
 VERT. 1"=10'



BASIN SECTION B-B
 SCALES:
 HORIZ. 1"=30'
 VERT. 1"=10'

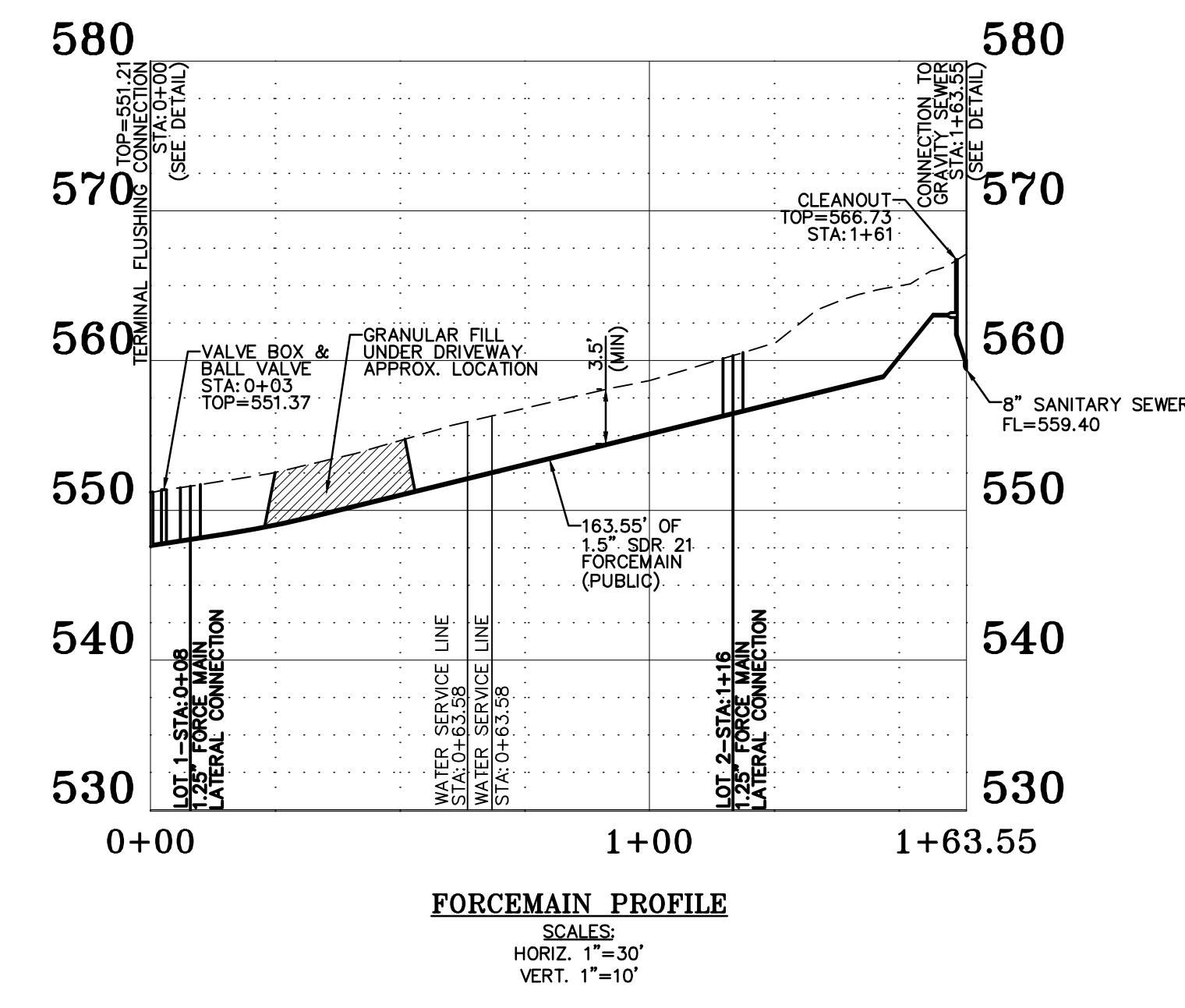


BASIN SECTION C-C
 SCALES:
 HORIZ. 1"=30'
 VERT. 1"=10'

NOTE:
 THE BOTTOM AND SIDES OF THE FORCE MAIN DISCHARGE MANHOLE AND A MINIMUM OF 5 MANHOLES DOWN STREAM OF THE POINT OF CONNECTION SHALL BE LINED. THE LINING SHOULD BE A SOLVENTLESS, 100% SOLIDS CORROSION RESISTANT EPOXY COATING OR MULTIPLE LAYERS OF STRUCTURAL FIBERGLASS MOLDED TO THE EXISTING STRUCTURE WITH A NON-POROUS DIAPHRAGM BONDED BETWEEN THE FIBERGLASS LAYERS TO PROTECT THEM FROM H2S EXPOSURE. ACCEPTABLE MANUFACTURER: RAVEN-405 LINING OR APPROVED EQUAL.

St Charles County Government Hydraulic Review Output Data 5/5/2021

Upp Str	Low Str	PL	S	Upp FL	Low FL	LN	PS	Upp ST EL	Depth HY GR	Upp HY EL	Low HY EL	Hydr Grade	FR Head	VEL Head	Junc Loss	Turn Loss	Curve Loss	STR Grade	Inl Cap	DR Area	P.I.	Q	TQ	Pipe Cap	Remarks
1	EXC17	MH6	13	562.22	562.02	1.53	570.76	6.81	563.95	563.23	0.01600	0.21	5.74	0.51	0.51	0.00	0.00	LOW	4.00	0.33	2.86	1.17	4.51	4.41	
2	MH6	MH5	51	561.92	561.10	1.60	568.60	5.37	563.23	562.10	0.01600	0.82	5.74	0.51	0.00	0.31	0.00	MH	0.00	0.00	0.00	0.00	4.51	4.51	
3	MH5	MH4	125	557.76	539.05	14.99	568.10	9.95	558.15	540.48	0.01600	2.00	5.74	0.51	0.00	0.30	0.00	MH	0.00	0.00	0.00	0.00	4.51	13.79	
4	MH4	FE3	26	538.85	537.00	7.08	545.40	4.92	540.48	540.04	0.01600	0.42	5.74	0.51	0.00	0.02	0.00	MH	0.00	0.00	0.00	0.00	4.51	9.48	HW=540.04
5	OS2	HW1	37	532.15	531.88	0.73	539.60	5.25	534.35	533.88	0.00400	0.15	4.53	0.32	0.32	0.00	0.00	OS	0.00	2.46	2.64	6.49	14.24	19.33	ITP=533.88



FORCE MAIN PROFILE
 SCALES:
 HORIZ. 1"=30'
 VERT. 1"=10'

PROJECT TITLE:
ELLA'S PLACE
 EMGE ROAD
 CITY OF FALLON
 ST. CHARLES COUNTY
 MO. 63366

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

DISCLAIMER OF RESPONSIBILITY:
 I hereby specify that the documents intended to be authorized 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 project.

STATE OF MISSOURI
 JEFFREY B. SIMMONS
 NUMBER 2007030831
 EXPIRES 12/31/21
 PROFESSIONAL ENGINEER
 Jeffrey B. Simmons
 CIVIL ENGINEER
 2007030831
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REVISIONS:

DATE	REVISION
11/29/18	CITY COMMENTS
01/09/19	CITY COMMENTS
03/22/21	CLIENT COMMENTS
05/05/21	CITY COMMENTS
05/21/21	CITY COMMENTS

Developer / Owner:
 Schneider Custom Homes
 429 North Main Street
 O'Fallon, MO 63366
 636-240-0930

P+Z No. #19-007760
Approval Date: 11/05/2020
City No. #
Page No. 8 of 18

SEWER PROFILES AND BASIN SECTIONS