



SOMMERS ROAD ELEMENTARY SCHOOL - PHASE 1, 1.5 AND 2

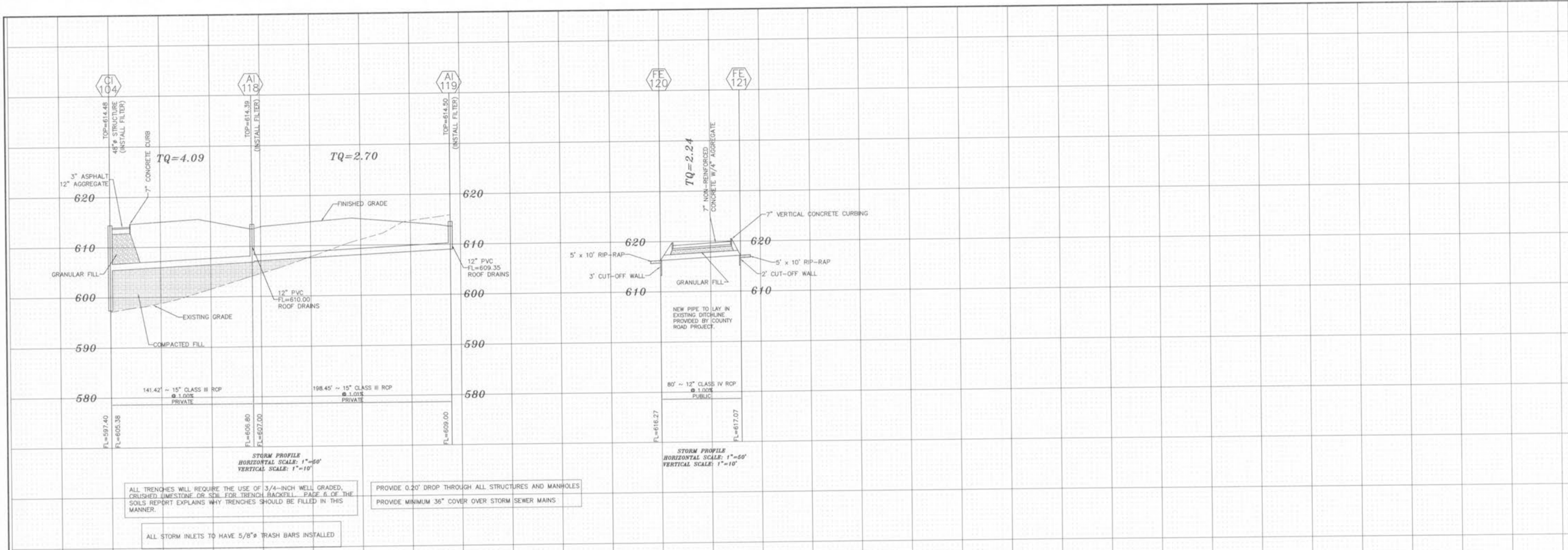
2523 SOMMERS ROAD
 O'FALLON, MISSOURI
 WENTZVILLE R-IV SCHOOL DISTRICT
 CONSULTING ENGINEERS:
HOENER ASSOCIATES, INC.
 ARCHITECTS
 ST. LOUIS, MISSOURI
 STRUCTURAL MECH/ELEC/PLUMB
 CIVIL FOOD SERVICE
 601 First Natl. Bldg.
 St. Charles, MO 63301
 636-628-5052
 636-628-1718

ALL DIMENSIONS MUST BE VERIFIED AT BUILDING BEFORE WORK IS EXECUTED. THIS DRAWING IS THE PROPERTY OF THE ARCHITECTS AND SHALL NOT BE COPIED OR DUPLICATED WITHOUT THEIR CONSENT.

job no. 05-06B
 date issued
 AUG 15, 2008
 date revised
 10-24-08 CITY COMMENTS
 12-4-08 CITY COMMENTS
 12-24-08 CITY COMMENTS

drawn by SWR
 checked by SWR
 sheet no.

C18.0



ALL TRENCHES WILL REQUIRE THE USE OF 3/4-INCH WELL GRADED, CRUSHED LIMESTONE OR SIL FOR TRENCH BACKFILL. PAGE 6 OF THE SOILS REPORT EXPLAINS WHY TRENCHES SHOULD BE FILLED IN THIS MANNER.

PROVIDE 0.20' DROP THROUGH ALL STRUCTURES AND MANHOLES
 PROVIDE MINIMUM 36" COVER OVER STORM SEWER MAINS

ALL STORM INLETS TO HAVE 5/8" TRASH BARS INSTALLED

BAX PROJECT NAME : SOMMERS ROAD ELEMENTARY SCHOOL
 BAX PROJECT NO. : 03-12495A
 DESIGN DATE : 10-24-08
 DESIGNED BY : J. SWR
 15 YEAR 50 MIP HYDRAULICS
 SUBMITTED: 10-27-08 FILENAME: 12495A

UPP STR	LOW STR	L	DIA	UPPER HY EL	LOWER HY EL	PS	ST EL	UPPER HY EL	LOWER HY EL	HYDR GRADE	FR HEAD	VEL	VEL HEAD	JUNC LOSS	TURN LOSS	CURVE LOSS	STR LOSS	INL CAP	DR AREA	FT	Q	TD	PIPE C/P	LINE NUMBER	REMARKS
0E101	FE100	169	36	583.00	572.30	5.66	589.00	5.10	583.90*	574.90	.00250	0.48	4.75	0.35	0.35	0.00	0.00	0.00	0.00	0.00	0.00	33.60	158.70	1	HW=574.90
AI119	AI118	198	15	609.00	607.00	1.00	614.50	4.93	609.57*	608.25	.00170	0.35	2.20	0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00	2.70	6.48	2	
AI118	CI104	141	15	606.80	605.38	1.00	614.39	6.88	607.51*	606.63	.00400	0.57	3.33	0.17	0.12	0.00	0.00	0.00	0.00	0.00	0.00	4.09	6.47	3	
CI107	CI106	88	12	609.92	608.27	1.87	614.41	4.19	610.22*	609.27	.00070	0.06	1.13	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.92	4.88	4	
CI106	CI105	299	15	608.07	605.08	1.00	613.69	4.90	608.80*	606.33	.00430	1.30	3.47	0.19	0.19	0.00	0.00	0.00	0.00	0.00	0.00	7.75	10.50	5	
CI105	CI104	257	18	608.88	602.33	1.00	612.50	6.46	605.84*	603.81	.00340	1.40	4.39	0.30	0.26	0.13	0.00	0.00	0.00	0.00	0.00	12.54	22.49	6	
CI104	MH103	40	24	597.40	597.00	0.99	614.40	15.16	595.24	599.00	.00310	0.12	3.98	0.25	0.12	0.21	0.00	0.00	0.00	0.00	0.00	12.54	32.02	7	HW=590.55
MH103	FE102	50	24	589.00	588.00	2.00	602.50	11.80	590.70	590.55	.00310	0.15	3.99	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.54	32.02	8	
CI117	CI116	82	15	607.75	606.93	1.00	613.15	4.07	609.08	608.18	.00710	0.59	4.45	0.31	0.31	0.00	0.00	0.00	0.00	0.00	0.00	5.46	4.46	9	
CI116	CI115	129	18	606.43	605.15	1.00	616.60	9.25	607.35	606.65	.00420	0.54	3.85	0.23	0.16	0.22	0.00	0.00	0.00	0.00	0.00	6.81	10.50	10	
CI115	CI114	71	18	604.95	604.24	1.01	616.60	10.93	606.57	605.74	.00800	0.56	5.31	0.44	0.27	0.00	0.00	0.00	0.00	0.00	0.00	9.38	10.54	11	
CI114	CI113	87	18	603.00	602.12	1.01	617.35	12.55	604.80	603.62	.00940	0.82	5.77	0.52	0.36	0.27	0.00	0.00	0.00	0.00	0.00	10.19	10.54	12	
CI113	MH112	60	24	601.92	601.31	1.01	614.21	10.63	603.58	603.31	.00320	0.19	4.08	0.26	0.09	0.29	0.00	0.00	0.00	0.00	0.00	12.77	22.62	13	
MH112	CI111	239	24	601.11	598.72	1.00	615.49	13.90	602.19*	600.72	.00300	0.76	4.06	0.26	0.17	0.17	0.00	0.00	0.00	0.00	0.00	12.77	22.62	14	
CI111	CI110	330	24	598.52	595.23	1.00	612.86	13.12	599.74*	597.21	.00500	1.66	5.10	0.40	0.19	0.00	0.00	0.00	0.00	0.00	0.00	16.82	22.67	15	
CI110	MH109	105	24	595.01	593.96	1.00	613.87	17.12	594.65	593.96	.00550	0.58	5.35	0.45	0.11	0.00	0.00	0.00	0.00	0.00	0.00	16.82	22.46	16	HW=590.55
MH109	FE108	52	24	588.51	588.00	0.99	601.37	16.53	590.84	590.55	.00550	0.29	5.35	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.82	22.46	17	
FE120	FE121	80	12	617.07	616.27	1.00	618.07	-0.45	618.52	618.07	.00400	0.32	2.95	0.13	0.13	0.00	0.00	0.00	0.00	0.00	0.00	2.24	3.56	18	HW=618.07

* INDICATES CRITICAL DEPTH