CITY FILE NUMBER 2001.00

STORM/SANITARY PROFILES
PERUQUE CROSSING PHASE I
00-11282C 12-30-02

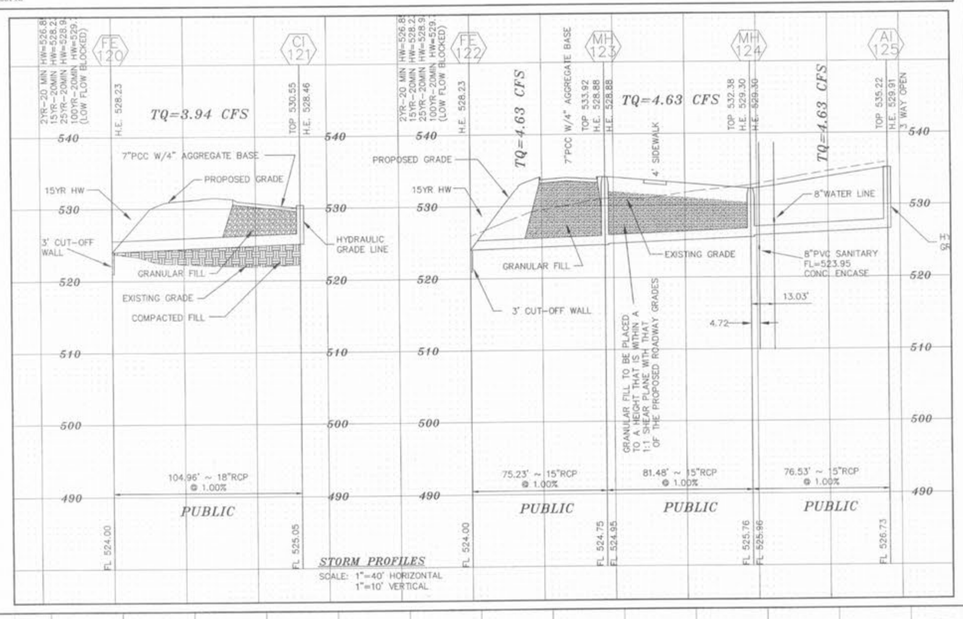
ALL SANITARY SEWERS TO HAVE A MINIMUM OF 36" OF COVER FROM TOP OF PIPE TO FINISH GRADE
ALL DROP MANHOLES TO BE 48" MIN. DIA.
TO HAVE COMPACTED ROCK BACKFILL

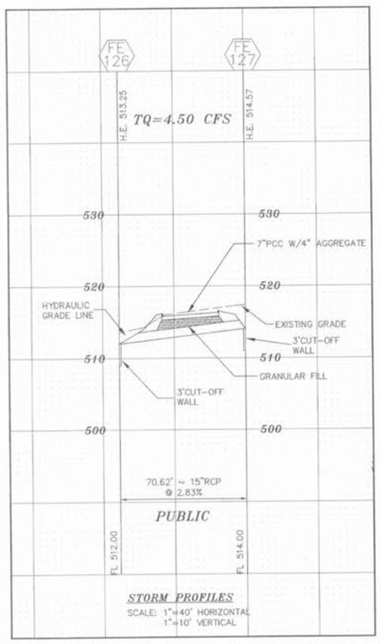
BAX PROJECT NAME : PERUQUE CROSSING
BAX PROJECT NO. : 00-11282C
DESIGN DATE : 8-20-03
DESIGNED BY : DWR
15 YEAR HYDRAULICS

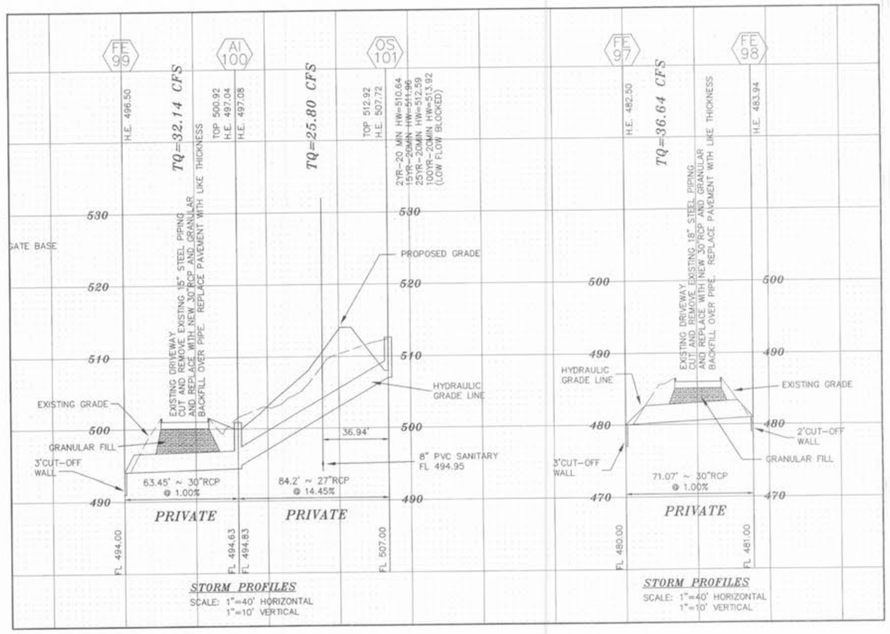
SUBMITTED: 8-20-03 FILENAME: 11282C

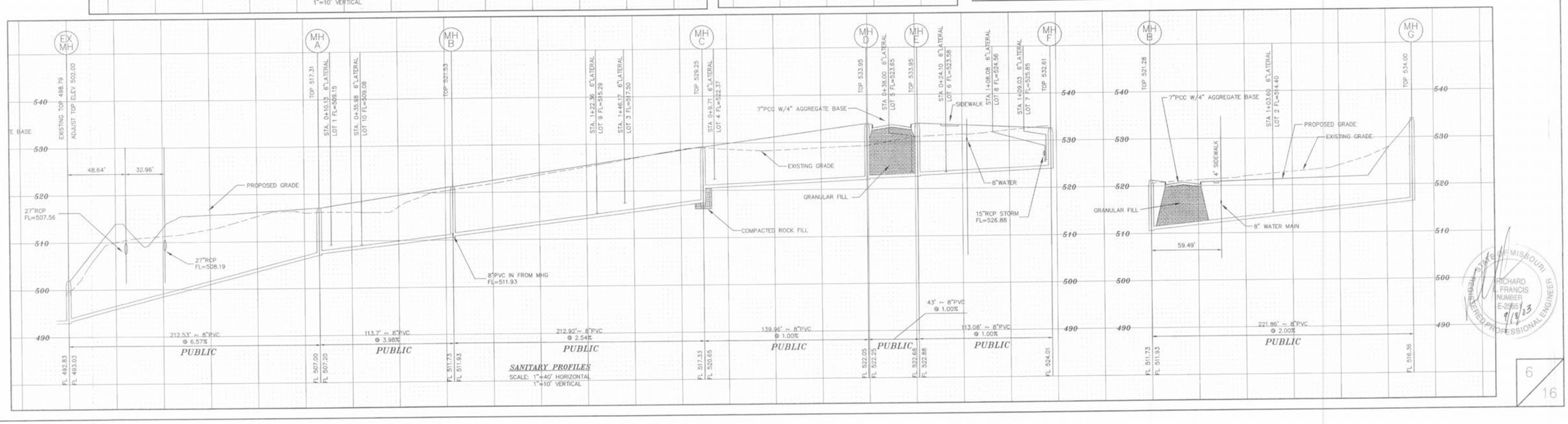
UPP STR	LOW STR	L	DIA	UPPER FL IN	LOWER FL IN	FS	UPPER ST EL	DEPTH HY GR	UPPER HY EL	LOWER HY EL	HYDR GRADE	FR HEAD	VEL	VEL HEAD	JUNC LOSS	TURN LOSS	CURVE LOSS	STR GRADE	INL CAP	DR AREA	PI	Q	TQ	PIPE CAP		REMARKS
AI111	CI108	97	12	526.01	524.12	1.94	530.24	3.02	527.22	525.12	.01620	1.58	5.78	0.52	0.52	0.00	0.00		0.00	0.00	0.00	0.00	4.54	4.97	1	
CI112	CI108	44	12	524.56	524.12	1.00	528.94	3.82	525.12	525.12	.00000	0.00	0.24	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.15	3.56	2	
AI113	MH107	109	15	519.46	518.37	1.00	525.21	4.59	520.62	519.62	.00660	0.72	4.26	0.28	0.28	0.00	0.00		0.00	0.00	0.00	0.00	5.23	6.45	3	
AI116	AI115	71	12	526.28	519.00	10.21	536.28	9.76	526.52*	520.00	.00160	0.11	1.81	0.05	0.05	0.00	0.00		0.00	0.00	0.00	0.00	1.42	11.39	4	
AI115	CI114	141	12	518.80	510.70	5.75	526.50	7.26	519.24*	514.74	.00900	1.27	4.30	0.29	0.27	0.00	0.00		0.00	0.00	0.00	0.00	3.38	8.54	5	
CI114	CI104	44	15	510.50	510.03	1.07	515.69	0.95	514.74	514.48	.00330	0.14	3.01	0.14	0.00	0.12	0.00		0.00	0.00	0.00	0.00	3.69	6.68	6	
AI110	MH109	62	12	528.04	526.81	2.00	532.38	3.86	528.52*	527.81	.00450	0.28	3.04	0.14	0.14	0.00	0.00		0.00	0.00	0.00	0.00	2.39	5.04	8	
MH109	CI108	80	12	526.61	525.01	2.00	532.08	6.99	527.10*	526.00	.00450	0.36	3.04	0.14	0.00	0.00	0.00		0.00	0.00	0.00	0.00	2.39	5.04	9	
CI108	MH107	96	15	523.92	518.37	5.80	529.32	4.81	524.51*	519.62	.01210	1.16	5.80	0.52	0.17	0.08	0.00		0.00	0.00	0.00	0.00	7.12	15.55	9	
MH107	CI106	129	18	518.17	515.58	2.00	524.50	7.08	519.42	517.08	.01380	1.79	6.79	0.76	0.42	0.13	0.00		0.00	0.00	0.00	0.00	12.35	14.87	10	
CI106	CI105	46	24	514.44	514.00	1.00	521.15	4.43	516.72	516.32	.00540	0.24	5.32	0.44	0.00	0.16	0.00		0.00	0.00	0.00	0.00	16.70	22.62	11	
CI105	CI104	139	24	513.80	510.03	2.72	521.15	4.83	516.32	514.48	.00760	1.05	6.26	0.61	0.49	0.30	0.00		0.00	0.00	0.00	0.00	19.66	37.28	12	
CI104	MH103	115	27	509.83	508.68	1.00	516.08	1.40	514.68	513.00	.00580	0.67	5.95	0.55	0.38	0.43	0.00		0.00	0.00	0.00	0.00	23.66	30.91	13	
MH103	FE102	48	27	508.48	508.00	1.01	514.42	1.42	513.00	511.96	.00580	0.28	5.95	0.55	0.38	0.38	0.00		0.00	0.00	0.00	0.00	23.66	31.08	14	HW=511.96
GS119	AI118	126	21	523.00	519.00	3.19	530.12	6.46	523.66*	520.75	.00310	0.39	3.66	0.21	0.21	0.00	0.00		0.00	0.00	0.00	0.00	8.81	26.28	15	
AI118	FE117	83	21	513.00	508.25	5.69	524.50	10.87	513.63*	511.96	.00460	0.38	4.47	0.31	0.14	0.00	0.00		0.00	0.00	0.00	0.00	10.74	37.81	16	HW=511.96
CI121	FE120	105	18	525.05	524.00	1.00	530.55	2.09	528.46	528.23	.00140	0.15	2.23	0.08	0.08	0.00	0.00		0.00	0.00	0.00	0.00	3.94	10.51	17	HW=528.23
AI125	MH124	77	15	526.73	525.96	1.01	535.22	5.31	529.91	529.30	.00510	0.39	3.77	0.22	0.22	0.00	0.00		0.00	0.00	0.00	0.00	4.63	6.48	18	
MH124	MH123	81	15	525.76	524.95	0.99	532.38	3.08	529.30	528.88	.00510	0.42	3.77	0.22	0.60	0.00	0.00		0.00	0.00	0.00	0.00	4.63	6.44	19	
MH123	FE122	75	15	524.75	524.00	1.00	533.90	5.04	528.88	528.23	.00510	0.39	3.77	0.22	0.13	0.13	0.00		0.00	0.00	0.00	0.00	4.63	6.45	20	HW=528.23
FE127	FE126	71	15	514.00	512.00	2.83	515.25	0.68	514.57*	513.25	.00690	0.34	3.67	0.21	0.21	0.00	0.00		0.00	0.00	0.00	0.00	4.50	10.87	21	513.25
GS101	AI100	84	27	507.00	494.83	14.45	512.92	5.20	507.72*	497.08	.00690	0.58	6.49	0.65	0.65	0.00	0.00		0.00	0.00	0.00	0.00	25.80	117.74	22	
AI100	FE99	63	30	494.63	494.00	0.99	500.92	3.88	497.04	496.50	.00610	0.39	6.55	0.67	0.15	0.00	0.00		0.00	0.00	0.00	0.00	32.14	40.87	23	HW=496.50
FE98	FE97	71	30	481.00	480.00	1.41	483.50	-0.44	483.94	482.50	.00800	0.57	7.46	0.87	0.87	0.00	0.00		0.00	0.00	0.00	0.00	36.64	48.65	24	HW=482.50

* INDICATES CRITICAL DEPTH









STATE OF MISSOURI
RICHARD L. FRANCIS
NUMBER E-29655
REGISTERED PROFESSIONAL ENGINEER
9/18/03