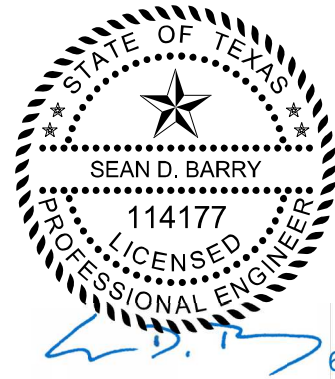


00 91 13.02 ADDENDUM NO. 2

The following additions, deletions, modifications, or clarifications shall be made to the appropriate sections of the Contract Documents. Bidders shall acknowledge receipt of this Addendum in the space provided on the Bid Form.



BIDDING REQUIREMENTS:

Section 00 42 23 "BID FORM"

Replace 00 42 23.01 "Bid Form Exhibit A" in its entirety. An Excel version of "Bid Form Exhibit A" is provided with this addendum.

DRAWINGS:

REPLACE THE FOLLOWING SHEETS

Replace Sheet	With Sheet
12	12
13	13
73	73
74	74
79	79
225	225
226	226
227	227
228	228
229	229
230	230
231	231
233	233
234	234
235	235
236	236
237	237
238	238
239	239
240	240
241	241
242	242
243	243
244	244
246	246

FREESE AND NICHOLS, INC.
TEXAS REGISTERED
ENGINEERING FIRM
F-2144

ADD THE FOLLOWING SHEETS

Add Sheet	After Sheet
243A	243

END OF ADDENDUM NO. 2

00 42 23.01 "Bid Form Exhibit A"

City of Kyle - N. Bursleson Street Improvements

Basis of Bid

BASE BID

Item No.	Spec Item	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
1	TxDOT 100 6002	PREPARING ROW	STA	66		
2	TxDOT 104 6015	REMOVING CONC (SIDEWALKS)	SY	200		
3	TxDOT 106 6002	OBLITERATING ABANDONED ROAD	SY	1,053		
4	TxDOT 110 6001	EXCAVATION (ROADWAY)	CY	13,662		
5	TxDOT 110 6002	EXCAVATION (CHANNEL)	CY	40		
6	TxDOT 110 6003	EXCAVATION (POND)	CY	9,800		
7	TxDOT 132 6005	EMBANKMENT (FINAL) (ORD COMP) (TY C)	CY	1,790		
8	TxDOT 160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	17,142		
9	TxDOT 162 6002	BLOCK SODDING	SY	9,195		
10	TxDOT 162 6002	BLOCK SODDING - BUFFALOGRASS	SY	445		
11	TxDOT 164 6027	CELL FBR MLCH SEED (PERM) (URBAN) (CLAY)	SY	17,142		
12	TxDOT 166 6002	FERTILIZER	TON	4		
13	TxDOT 168 6001	VEGETATIVE WATERING	MG	140		
14	TxDOT 192 6002	PLANT MATERIAL (1-GAL)	EA	102		
15	TxDOT 192 6003	PLANT MATERIAL (3-GAL)	EA	376		
16	TxDOT 192 6004	PLANT MATERIAL (5-GAL)	EA	71		
17	TxDOT 192 6015	LANDSCAPE EDGE	LF	710		
18	TxDOT 192 6018	PLANT MATERIAL (2-GAL)	EA	653		
19	TxDOT 192 6024	PLANT MATERIAL (30 GAL) (TREE)	EA	1		
20	TxDOT 192 6026	PLANT MATERIAL (65 GAL) (TREE)	EA	12		
21	TxDOT 247 6366	FL BS (CMP IN PLC) (TY A GR 5) (FNAL POS) (10")	CY	4,226		
22	TxDOT 247 6366	FLEXIBLE BASE (GRAVEL PAVEMENT REPAIR)	SY	20		
23	TxDOT 260 6002	LIME (HYDRATED LIME (SLURRY))	TON	627		
24	TxDOT 260 6009	LIME TRT (SUBGRADE)(10")	SY	25,325		
25	TxDOT 310 6005	PRIME COAT (AE-P)(0.20 GAL/SY)	GAL	5,069		
26	TxDOT 341 6008	D-GR HMA TY-B PG64-22 (3")	TON	3,580		
27	TxDOT 341 6008	D-GR HMA TY-B PG64-22 (8")	TON	1,592		
28	TxDOT 341 6030	D-GR HMA TY-C SAC-B PG76-22 (2")	TON	2,385		
29	TxDOT 341 6030	D-GR HMA TY-C SAC-B PG76-22 (2") (OVERLAY)	TON	309		
30	TxDOT 341 6030	D-GR HMA TY-C SAC-B PG76-22 (LEVEL UP)	TON	100		
31	TxDOT 341 6030	D-GR HMA TY-C SAC-B PG76-22 (3")	TON	689		
32	TxDOT 341 6030	D-GR HMA TY-C SAC-B PG76-22 OR LRA (PAVEMENT REPAIR)	TON	30		
33	TxDOT 354 6045	PLANE ASPH CONC PAV (2")	SY	2,682		
34	TxDOT 400 6002	STRUCTURAL EXCAVATION	CY	493		
35	TxDOT 402 6001	TRENCH EXCAVATION PROTECTION	LF	4,900		
36	TxDOT 420 6007	CONCRETE (DROP STRUCTURE)	CY	40		
37	TxDOT 420 6007	CONCRETE (APRON W BAFFLE BLOCS)	CY	65		
38	TxDOT 420 6007	CONCRETE (PILOT CHANNEL)	CY	45		
39	TxDOT 420 6007	CONCRETE (RAIN GARDEN)	CY	55		
40	TxDOT 420 6007	CONCRETE (POND HEADWALLS AND APRONS)	CY	45		
41	TxDOT 420 6007	REMOVE AND REPLACE EXISTING CONCRETE FLUMES	CY	2		
42	TxDOT 422 6001	REIN CONC SLAB	SF	255		
43	TxDOT 423 6001	RETAINING WALL (MSE)	SF	5,418		
44	TxDOT 423 6008	RETAINING WALL (CAST-IN-PLACE)	SF	1,076		
45	TxDOT 432 6002	RIPRAP (CONC) (5 IN)	CY	150		
46	TxDOT SP 432	RIPRAP (MITERED SLOPE)	CY	15		

City of Kyle - N. Bursleson Street Improvements

Basis of Bid

BASE BID

Item No.	Spec Item	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
47	TxDOT 450 6042	RAIL (TY PR1)	LF	608		
48	TxDOT 450 6051	RAIL (HANDRAIL) (TY E)	LF	24		
49	TxDOT 462 6004	CONC BOX CULV (4 FT X 3 FT)	LF	1,837		
50	TxDOT 462 6012	CONC BOX CULV (6 FT X 5 FT)	LF	54		
51	TxDOT 462 6021	CONC BOX CULV (8 FT X 6 FT)	LF	106		
52	TxDOT 464 6001	RC PIPE (CL III) (12 IN)	LF	33		
53	TxDOT 464 6003	RC PIPE (CL III) (18 IN)	LF	893		
54	TxDOT 464 6005	RC PIPE (CL III) (24 IN)	LF	651		
55	TxDOT 464 6008	RC PIPE (CL III) (36 IN)	LF	140		
56	TxDOT 464 6017	RC PIPE (CL IV) (18 IN)	LF	1,389		
57	TxDOT 464 6018	RC PIPE (CL IV) (24 IN)	LF	133		
58	TxDOT 464 6020	RC PIPE (CL IV) (36 IN)	LF	67		
59	TxDOT 465 6002	MANH (COMPL)(PRM)(48IN)	EA	1		
60	TxDOT 465 6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	EA	2		
61	TxDOT 465 6009	JCTBOX(COMPL)(PJB)(5FTX5FT)	EA	5		
62	TxDOT 465 6011	JCTBOX(COMPL)(PJB)(6FTX6FT)	EA	1		
63	TxDOT 465 6012	JCTBOX(COMPL)(PJB)(7FTX7FT)	EA	9		
64	TxDOT 465 6175	INLET (COMPL)(TY C)(5-FT)	EA	2		
65	TxDOT 465 6175	INLET (COMPL)(TY C)(10-FT)	EA	20		
66	TxDOT 466 6152	WINGWALL (FW-0) (HW=5)	EA	1		
67	TxDOT 467 6362	SAFETY END TREATMENT (TY II)(18-IN)(RCP)(6:1)(C)	EA	14		
68	TxDOT 467 6379	SAFETY END TREATMENT (TY II)(24-IN)(RCP)(6:1)(C)	EA	4		
69	TxDOT 476 6023	JACK BOR OR TUN PIPE (30 IN) (STL CASING)	LF	48		
70	TxDOT 481 6016	PIPE (PVC) (SCH 40) (12 IN)	LF	94		
71	TxDOT 496 6006	REMOV STR (HEADWALL)	EA	3		
72	TxDOT 496 6007	REMOV STR (PIPE)	LF	60		
73	TxDOT 500 2001	WARRANTY BOND (5%)	LS	1		
74	TxDOT 500 6001	MOBILIZATION	LS	1		
75	TxDOT 502 6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	16		
76		TEMPORARY ACCESSIBLE PEDESTRIAN ROUTE	LF	150		
77		TEMPORARY ACCESSIBLE PARKING SPACES	EA	2		
78	TxDOT 506 6001	ROCK FILTER DAMS (INSTALL) (TY 1)	LF	732		
79	TxDOT 506 6011	ROCK FILTER DAMS (INSTALL) (REMOVE)	LF	732		
80	TxDOT 506 6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	6,254		
81	TxDOT 506 6038	TEMP SEDMT CONT FENCE (INLET PROTECTION)	LF	682		
82	TxDOT 506 6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	6,936		
83	TxDOT 512 6009	PORT CTB (FUR & INST)(LOW PROF)(TY 1)	LF	20		
84	TxDOT 512 6010	PORT CTB (FUR & INST)(LOW PROF)(TY 2)	LF	160		
85	TxDOT 512 6057	PORT CTB (REMOVE)(LOW PROF)(TY 1)	LF	20		
86	TxDOT 512 6058	PORT CTB (REMOVE)(LOW PROF)(TY 2)	LF	160		
87	TxDOT 528 6004	LANDSCAPE PAVERS	SY	64		
88	TxDOT 529 6008	CONC CURB & GUTTER (TY II)	LF	10,410		
89	TxDOT 529 6021	CONC CURB & GUTTER (SAWTOOTH)	LF	208		
90	TxDOT 530 6004	DRIVEWAYS (CONC)	SY	1,074		
91	TxDOT 531 6003	CONC SIDEWALKS (6")	SY	2,645		
92	TxDOT 531 6003	CONC SIDEWALKS (RAISED SIDEWALK)	SY	16		
93	TxDOT 531 6004	CURB RAMPS (TY 1)	EA	10		

City of Kyle - N. Bursleson Street Improvements

Basis of Bid

BASE BID

Item No.	Spec Item	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
94	TxDOT 531 6010	CURB RAMPS (TY 7)	EA	31		
95	TxDOT 531 6013	CURB RAMPS (TY 10)	EA	4		
96	TxDOT 531 6055	CONC SIDEWALKS (8") (MAILBOX PADS)	SY	6		
97	TxDOT 560 6001	MAILBOX INSTALL-S (TWG-POST) TY 1	EA	1		
98	TxDOT 560 6001	MAILBOX INSTALL-S (SPECIAL - BRICK)	EA	1		
99	TxDOT 644 6001	IN SM RD SN SUP&AM TY10BWG (1) SA (P)	EA	32		
100	TxDOT 644 6004	IN SM RD SN SUP&AM TY10BWG (1) SA (T)	EA	2		
101	TxDOT 666 6011	REFL PAV MRK TY I (W) 4" (SLD) (090MIL)	LF	2,238		
102	TxDOT 666 6035	REFL PAV MRK TY I (W) 8" (SLD) (090MIL)	LF	166		
103	TxDOT 666 6047	REFL PAV MRK TY I (W) 24" (SLD) (090MIL)	LF	331		
104	TxDOT 666 6053	REFL PAV MRK TY I (W) (ARROW) (090MIL)	EA	4		
105	TxDOT 666 6092	REFL PAV MRK TY I (RR XING) (090MIL)	EA	2		
106	TxDOT 666 6111	REFL PAV MRK TY I (W) (BIKE SYML) (090MIL)	EA	1		
107	TxDOT 666 6125	REFL PAV MRK TY I (Y) 4" (BRK) (090MIL)	LF	1,721		
108	TxDOT 666 6128	REFL PAV MRK TY I (Y) 4" (SLD) (090MIL)	LF	11,064		
109	TxDOT 666 6137	REFL PAV MRK TY I (Y) 8" (SLD) (090MIL)	LF	82		
110	TxDOT 666 6140	REFL PAV MRK TY I (Y) 12" (SLD) (090MIL)	LF	100		
111	TxDOT 666 6166	RE PM TY I (ACC PRK) (WHT) (SYMBOL ONLY)	EA	3		
112	TxDOT 666 6170	REF PAV MRK TY II (W) 4" (SLD)	LF	865		
113	TxDOT 666 6178	REF PAV MRK TY II (W) 8" (SLD)	LF	100		
114	TxDOT 666 6182	REF PAV MRK TY II (W) 24" (SLD)	LF	331		
115	TxDOT 666 6184	REF PAV MRK TY II (W) (ARROW)	EA	4		
116	TxDOT 666 6196	REF PAV MRK TY II (W) (RR XING)	EA	2		
117	TxDOT 666 6205	REF PAV MRK TY II (Y) 4" (BRK)	LF	1,721		
118	TxDOT 666 6207	REF PAV MRK TY II (Y) 4" (SLD)	LF	11,064		
119	TxDOT 666 6211	REF PAV MRK TY II (Y) 8" (SLD)	LF	82		
120	TxDOT 666 6212	REF PAV MRK TY II (Y) 12" (SLD)	LF	100		
121	TxDOT 666 6220	RE PM TY II (ACC PRK) (BL&WH) (W/BORDR)LG	EA	3		
122	TxDOT 672 6007	REFL PAV MRKR TY I-C	EA	12		
123	TxDOT 672 6009	REFL PAV MRKR TY II-A-A	EA	363		
124	TxDOT 6001 6001	PORTABLE CHANGEABLE MESSAGE SIGN	DAY	500		
125	TxDOT 6120 6001	DEAD END ROADWAY BARRICADE	LF	40		
126	TxDOT 7156 6001	CASING PIPE (BORE) (30" STEEL)	LF	48		
127	SS 6789	GEOGRID REINFORCEMENT (MSAL)	SY	25,325		
128	26 56 00	TYPE "S1" POLE/FIXTURE	EA	62		
129	TxDOT 610 6032	TYPE "S2" POLE/FIXTURE (MATCH EXISTING)	EA	1		
130	TxDOT 416 6029	DRILL SHAFT (RDWY ILL POLE) (30 IN)	LF	380		
131	26 56 00	2" CONDUIT, TRENCH & BACKFILL	LF	6,429		
132	26 56 00	ELECTRIC SERVICE & METER	EA	1		
133	26 05 19	#6 XHHW	LF	12,438		
134	26 05 19	#8 GRD XHHW	LF	6,219		
135	26 05 33	PULLBOX, CONCRETE W/ HINGED COVER	EA	8		
136	26 05 26	SPLICING AND TERMINATING NEW AND EXISTING CIRCUITS	EA	1		
137	26 56 00	120/240V SERVICE POLE DEMO WORK	EA	1		
138	COA 402S-A	FLOWABLE FILL ENCASEMENT	LF	72		
139	COA 437S-B	TREE GRATE AND FRAME	EA	4		
140	COA 505S-A	CONCRETE ENCASEMENT	LF	343		

City of Kyle - N. Bursleson Street Improvements

Basis of Bid

BASE BID

Item No.	Spec Item	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
141	COA 505S-B	16" STEEL CASING BY OPEN CUT	LF	28		
142	COA 501S	16" STEEL CASING BY BORE	LF	80		
143	COA 501S	24" STEEL CASING BY BORE	LF	288		
144	COA 506S MWW	MANHOLE (4' DIAMETER)	EA	17		
145	COA 506S DWW	DROP MANHOLE (4' DIAMETER)	EA	7		
146	COA 506S EDM	EXTRA DEPTH FOR MANHOLE (4' DIAMETER)	VF	44		
147	COA 506S AB	ABANDON EXISTING MANHOLE	EA	5		
148	COA 506	REMOVE EXISTING MANHOLE	EA	5		
149	COA 506	CONNECTION TO EXISTING MANHOLE	EA	2		
150	COA 506	STRUCTURAL LINING OF MANHOLE	VF	8		
151	COA 510-AWW	ABANDON EXISTING WATERLINE AND WASTEWATER LINE	LS	1		
152	COA 510-AWW	TEMPORARY WATERLINE CONNECTIONS AS NEEDED	EA	10		
153	COA 508S-5S	INLET, STANDARD (5 FT)	EA	8		
154	COA 508S-10S	INLET, STANDARD (10 FT)	EA	7		
155	COA 508S-20S	INLET, STANDARD (20 FT)	EA	3		
156	COA 508S-A	AREA INLET, STANDARD 4 FT X 4 FT	EA	1		
157	COA 509S-1	TRENCH SAFETY	LF	11,835		
158	COA 510-AWW	6" PVC WASTEWATER LINE (SDR-26)	LF	214		
159	COA 510-AWW	8" PVC WASTEWATER LINE (SDR-26)	LF	3,466		
160	COA 510-AWW	8" PVC PRESSURE RATED WASTEWATER LINE (DR-25)	LF	457		
161	COA 510-AWW	12" PVC WASTEWATER LINE (SDR-26)	LF	139		
162	COA 510-AWW	12" PVC PRESSURE RATED WASTEWATER LINE (DR-25)	LF	339		
163	COA 510	NEW SERVICE & CLEANOUT	EA	8		
164	COA 510	CUT/PLUG EXISTING WASTEWATER LINE	EA	6		
165	COA 511	CONNECT TO EXISTING WASTEWATER LINE	EA	9		
166	COA 510-AWW	CONNECT TO EXISTING WATER LINE	EA	3		
167	COA 510-AWRJ	2" PVC WATERLINE (SCH. 80) & FITTINGS	LF	83		
168	COA 510-AWRJ	4" PVC WATERLINE (AWWA C-900, DR-14) & FITTINGS	LF	45		
169	COA 510-AWRJ	6" PVC WATERLINE (AWWA C-900, DR-14) & FITTINGS	LF	285		
170	COA 510-AWRJ	6" DI WATER LINE (AWWA C-100, MIN CLASS 150) & FITTINGS	LF	216		
171	COA 510-AWRJ	8" PVC WATERLINE (AWWA C-900, DR-14) & FITTINGS	LF	1,446		
172	COA 510-AWRJ	12" PVC WATERLINE (AWWA C-900, DR-14) & FITTINGS	LF	5,371		
173	COA 510-AWRJ	12" DI WATER LINE (AWWA C-100, MIN CLASS 150) & FITTINGS	LF	142		
174	COA 510	CUT/PLUG EXISTING WATER LINE	EA	28		
175	COA 510-IR	RELOCATE EXISTING SERVICE LINE	EA	17		
176	COA 511S-A	6" GATE VALVE	EA	6		
177	COA 511S-A	8" GATE VALVE	EA	27		
178	COA 511S-A	12" GATE VALVE	EA	33		
179	COA 511S-B	FIRE HYDRANT ASSEMBLY WITH 6" GATE VALVE	EA	15		
180	COA 511S-F	1" COMBINATION AIR VALVE	EA	2		
181	COA 510-AWW	VIDEO SURVEY OF EXISTING WASTEWATER LINES	LS	1		
182	COA 510-AWW	WASTEWATER BYPASS PUMPING AS NEEDED	LS	1		
183	COA 551	PIPE UNDERDRAIN, 6" DIA, PERF PVC	LF	185		
184	COA 620S	FILTER FABRIC	SY	20		
185	COA 660S	BIOFILTRATION MEDIUM	CY	170		
186	SP 551S-A	RAIN GARDEN DRAINAGE STONE	SY	230		
187	SP 551S-A	DRAINAGE STONE (6" DEPTH) (TREE WELLS)	SY	7		

City of Kyle - N. Burlison Street Improvements

Basis of Bid

BASE BID

Item No.	Spec Item	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
188	SP 551S-B	RAIN GARDEN OVERFLOW STRUCTURE	EA	4		
189	SP 591S	SPLASH PAD ROCK, 3-5 IN DIA	SY	11		
190	SS 02263	PERMANENT TURF REINFORCEMENT MATTING	SY	1,150		
191	SS 02267	HDPE GEOMEMBRANE	SY	93		
192		3'x3'x3' LIMESTONE BOULDERS	EA	3		
193	32 84 23	IRRIGATION SYSTEM	LS	1		
194		12-TENANT DECORATIVE COMMUNITY MAILBOX	EA	3		
195		ALLOWANCE FOR FLAGGING FOR CONSTRUCTION WITHIN RAILROAD ROW	LS	1	\$ 60,000.00	\$ 60,000.00
TOTAL BASE BID AMOUNT						

00 42 23.01 "Bid Form Exhibit A"
City of Kyle - N. Burleson Street Improvements
Basis of Bid

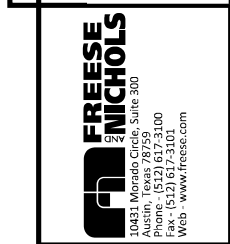
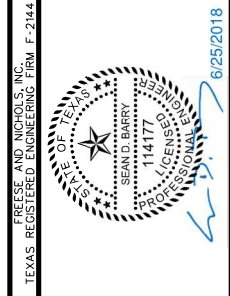
BID ALTERNATE "1"

Item No.	Spec Item	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
1	TxDOT 100 6002	PREPARING ROW	STA	9		
2	TxDOT 110 6002	EXCAVATION (CHANNEL)	CY	84		
3	TxDOT 132 6005	EMBANKMENT (FINAL) (ORD COMP) (TY C)	CY	4,316		
4	TxDOT 160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	2,038		
5	TxDOT 164 6027	CELL FBR MLCH SEED (PERM) (URBAN) (CLAY)	SY	2,038		
6	TxDOT 166 6002	FERTILIZER	TON	0.42		
7	TxDOT 168 6001	VEGETATIVE WATERING	MG	12		
8	TxDOT 341 6008	D-GR HMA TY-B PG64-22 (8")	TON	1,990		
9	TxDOT 341 6030	D-GR HMA TY-C SAC-B PG76-22 (3")	TON	606		
10	TxDOT 400 6002	STRUCTURAL EXCAVATION	CY	1,224		
11	TxDOT 462 6003	CONC BOX CULV (4 FT X 2 FT)	LF	507		
12	TxDOT 464 6003	RC PIPE (CL III) (18 IN)	LF	375		
13	TxDOT 464 6017	RC PIPE (CL IV) (18 IN)	LF	43		
14	TxDOT 465 6003	MANH (COMPL)(PRM)(60IN)	EA	1		
15	TxDOT 465 6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	EA	1		
16	TxDOT 465 6011	JCTBOX(COMPL)(PJB)(6FTX6FT)	EA	1		
17	TxDOT 466 6179	WINGWALL (PW-1)(HW=4 FT)	EA	1		
18	TxDOT 466 6151	WINGWALL (FW-0)(HW=4 FT)	EA	2		
19	TxDOT 500 2001	WARRANTY BOND (5%)	LS	1		
20	TxDOT 500 6001	MOBILIZATION	LS	1		
21	TxDOT 502 6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	2		
22	TxDOT 506 6001	ROCK FILTER DAMS (INSTALL) (TY 1)	LF	25		
23	TxDOT 506 6011	ROCK FILTER DAMS (INSTALL) (REMOVE)	LF	25		
24	TxDOT 506 6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	751		
25	TxDOT 506 6038	TEMP SEDMT CONT FENCE (INLET PROTECTION)	LF	30		
26	TxDOT 506 6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	781		
27	TxDOT 529 6008	CONC CURB & GUTTER (TY II)	LF	1,822		
28	TxDOT 531 6003	CONC SIDEWALKS (6")	SY	747		
29	TxDOT 531 6004	CURB RAMPS (TY 1)	EA	2		
30	TxDOT 531 6010	CURB RAMPS (TY 7)	EA	2		
31	TxDOT 550 6020	CHAIN LINK FENCE (INSTALL) (4')	LF	120		
32	TxDOT 644 6001	IN SM RD SN SUP&AM TY10BWG (1) SA (P)	EA	7		
33	TxDOT 644 6004	IN SM RD SN SUP&AM TY10BWG (1) SA (T)	EA	3		
34	TxDOT 666 6125	REFL PAV MRK TY I (Y) 4" (BRK) (090MIL)	LF	364		
35	TxDOT 666 6128	REFL PAV MRK TY I (Y) 4" (SLD) (090MIL)	LF	1,635		
36	TxDOT 666 6205	REF PAV MRK TY II (Y) 4" (BRK)	LF	364		
37	TxDOT 666 6207	REF PAV MRK TY II (Y) 4" (SLD)	LF	1,635		
38	TxDOT 672 6009	REFL PAV MRKR TY II-A-A	EA	36		
39	COA 505S-B	24" STEEL CASING BY OPEN CUT	LF	70		
40	COA 508S-10S	INLET, STANDARD (10 FT)	EA	3		
TOTAL BID ALTERNATE "1" AMOUNT						

00 42 23.01 "Bid Form Exhibit A"
City of Kyle - N. Burleson Street Improvements
Basis of Bid

BID ALTERNATE "2"

Item No.	Spec Item	Description	Unit	Estimated Quantity	Unit Price	Extended Amount
1	TxDOT 100 6002	PREPARING ROW	STA	9		
2	TxDOT 110 6002	EXCAVATION (CHANNEL)	CY	84		
3	TxDOT 132 6005	EMBANKMENT (FINAL) (ORD COMP) (TY C)	CY	4,316		
4	TxDOT 160 6003	FURNISHING AND PLACING TOPSOIL (4")	SY	2,038		
5	TxDOT 164 6027	CELL FBR MLCH SEED (PERM) (URBAN) (CLAY)	SY	2,038		
6	TxDOT 166 6002	FERTILIZER	TON	0.42		
7	TxDOT 168 6001	VEGETATIVE WATERING	MG	12		
8	TxDOT 247 6366	FL BS (CMP IN PLC) (TY A GR 5) (FNAL POS) (16")	CY	1,923		
9	TxDOT 310 6005	PRIME COAT (AE-P)(0.20 GAL/SY)	GAL	866		
10	TxDOT 341 6028	D-GR HMA TY-C PG70-22 (5.5")	TON	1,111		
11	TxDOT 400 6002	STRUCTURAL EXCAVATION	CY	1,224		
12	TxDOT 462 6003	CONC BOX CULV (4 FT X 2 FT)	LF	507		
13	TxDOT 464 6003	RC PIPE (CL III) (18 IN)	LF	375		
14	TxDOT 464 6017	RC PIPE (CL IV) (18 IN)	LF	43		
15	TxDOT 465 6003	MANH (COMPL)(PRM)(60IN)	EA	1		
16	TxDOT 465 6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	EA	1		
17	TxDOT 465 6011	JCTBOX(COMPL)(PJB)(6FTX6FT)	EA	1		
18	TxDOT 466 6179	WINGWALL (PW-1)(HW=4 FT)	EA	1		
19	TxDOT 466 6151	WINGWALL (FW-0)(HW=4 FT)	EA	2		
20	TxDOT 500 2001	WARRANTY BOND (5%)	LS	1		
21	TxDOT 500 6001	MOBILIZATION	LS	1		
22	TxDOT 502 6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	2		
23	TxDOT 506 6001	ROCK FILTER DAMS (INSTALL) (TY 1)	LF	25		
24	TxDOT 506 6011	ROCK FILTER DAMS (INSTALL) (REMOVE)	LF	25		
25	TxDOT 506 6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	751		
26	TxDOT 506 6038	TEMP SEDMT CONT FENCE (INLET PROTECTION)	LF	30		
27	TxDOT 506 6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	781		
28	TxDOT 529 6008	CONC CURB & GUTTER (TY II)	LF	1,822		
29	TxDOT 531 6003	CONC SIDEWALKS (6")	SY	747		
30	TxDOT 531 6004	CURB RAMPS (TY 1)	EA	2		
31	TxDOT 531 6010	CURB RAMPS (TY 7)	EA	2		
32	TxDOT 550 6020	CHAIN LINK FENCE (INSTALL) (4')	LF	120		
33	TxDOT 644 6001	IN SM RD SN SUP&AM TY10BWG (1) SA (P)	EA	7		
34	TxDOT 644 6004	IN SM RD SN SUP&AM TY10BWG (1) SA (T)	EA	3		
35	TxDOT 666 6125	REFL PAV MRK TY I (Y) 4" (BRK) (090MIL)	LF	364		
36	TxDOT 666 6128	REFL PAV MRK TY I (Y) 4" (SLD) (090MIL)	LF	1,635		
37	TxDOT 666 6205	REF PAV MRK TY II (Y) 4" (BRK)	LF	364		
38	TxDOT 666 6207	REF PAV MRK TY II (Y) 4" (SLD)	LF	1,635		
39	TxDOT 672 6009	REFL PAV MRKR TY II-A-A	EA	36		
40	COA 505S-B	24" STEEL CASING BY OPEN CUT	LF	70		
41	COA 508S-10S	INLET, STANDARD (10 FT)	EA	3		
TOTAL BID ALTERNATE "2" AMOUNT						



N. BURLESON ST. IMPROVEMENTS

CITY OF KYLE, TEXAS

CIVIL

SUMMARY - BASE BID

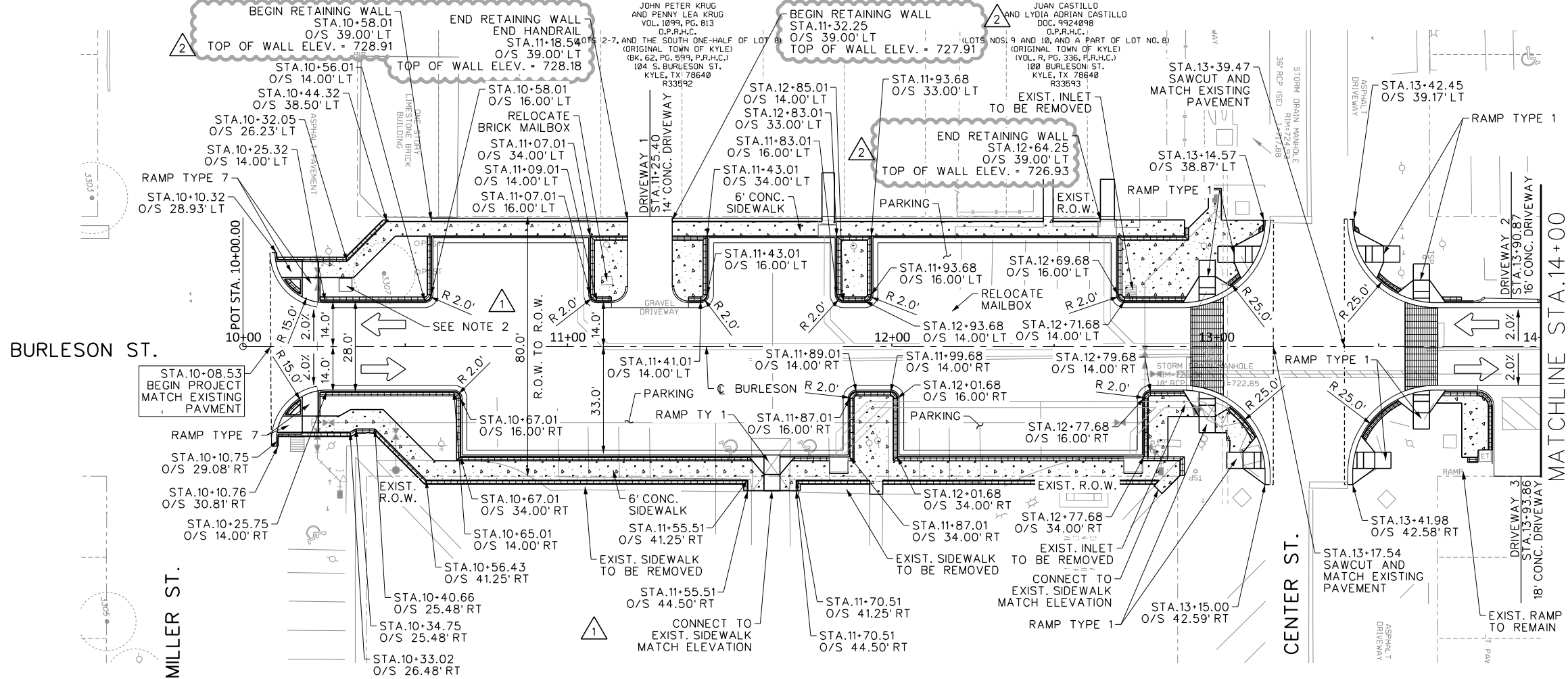
Table with columns: ITEM NUMBER, DESCRIPTION, UNIT, SHEET NUMBERS (150-174), TOTAL. Includes items like EXCAVATION, CONCRETE, PIPE, and MANH.

Table with columns: ITEM NUMBER, DESCRIPTION, UNIT, SHEET NUMBERS (205-215), TOTAL. Includes items like PAVEMENT MARKINGS and ROADWAY BARRICADE.

Table with columns: ITEM NUMBER, DESCRIPTION, UNIT, SHEET NUMBERS (268-281), TOTAL. Includes items like POLE/FIXTURE, DRILL SHAFT, and HINGED COVER.

MicroStation V8 User: 025900\Austin... Project: Freese and Nichols, Inc.

Project summary and tracking table with columns: NO. ISSUES, SHEET, TOTAL, DATE, DESIGNED, DRAWN, REVISIONS, FILE NAME, CHECKED, SDB. Includes a scale bar and revision history.



LEGEND

- ← TRAFFIC DIRECTION
- [Pattern] CONCRETE SIDEWALK
- [Pattern] ORNAMENTAL PATTERN

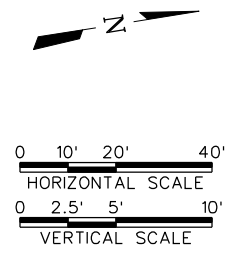
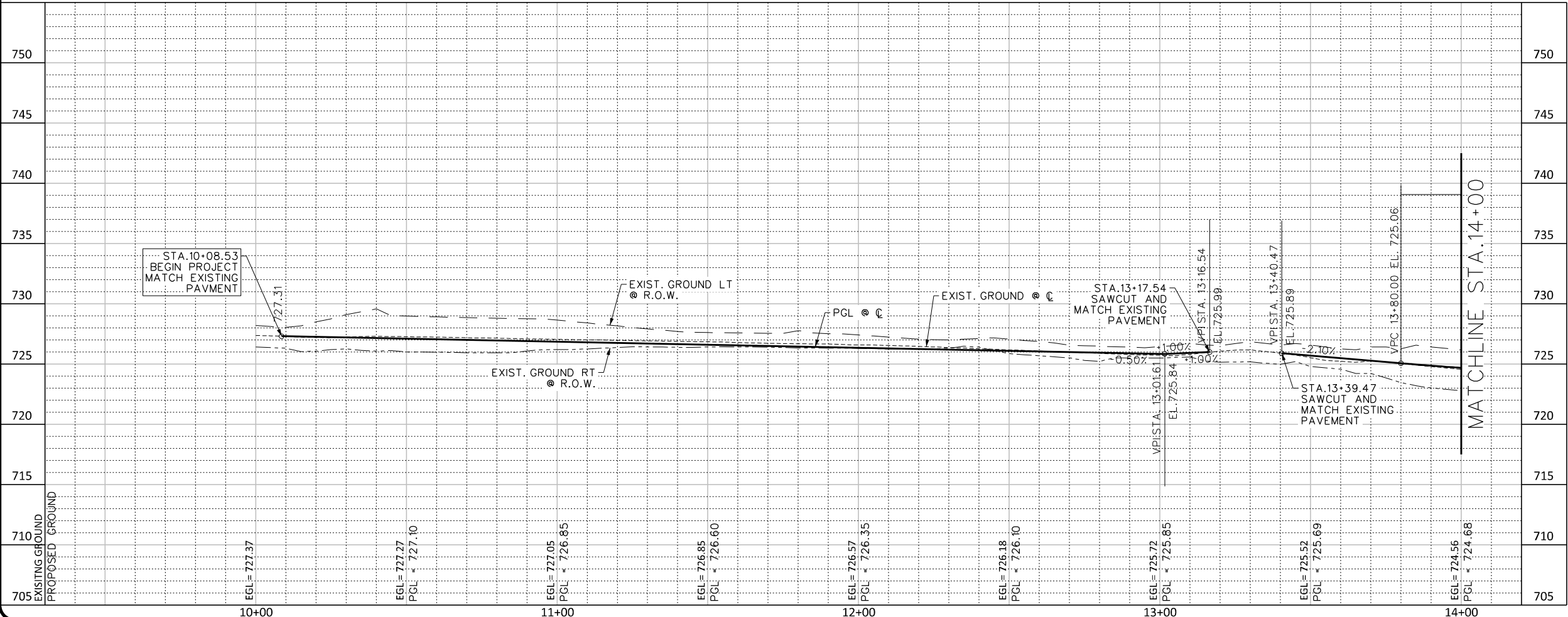
NOTE:

- ALL MEASUREMENTS TAKEN FROM BACK OF CURB (BOC) UNLESS OTHERWISE NOTED ON PLANS.
- CONSTRUCT 4'X4' REINFORCED CONCRETE PAD (8" THICK). INSTALL DECORATIVE 12-TENANT MAILBOX AS DESCRIBED IN ITEM 560 IN THE GENERAL NOTES.



FREESSE AND NICHOLS
 10431 Morado Circle, Suite 300
 Dallas, TX 75243
 Phone: (512) 617-3100
 Fax: (512) 617-3101
 Web: www.freesse.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
PAVEMENT PLAN & PROFILE SHEETS
STA. 10+00 TO STA. 14+00



NO.	ISSUES	BY	DATE	FN	JOB NO.	DATE	DESIGNED	SD	DRAWN	REVISION	CHECKED	JNR	FILE NAME
					KYL14284	5/29/18		SDB	6/25/18		SDB	6/15/18	CV-TRT-PL-ROAD01.sht
							ADDENDUM NO. 2						
							ADDENDUM NO. 1						

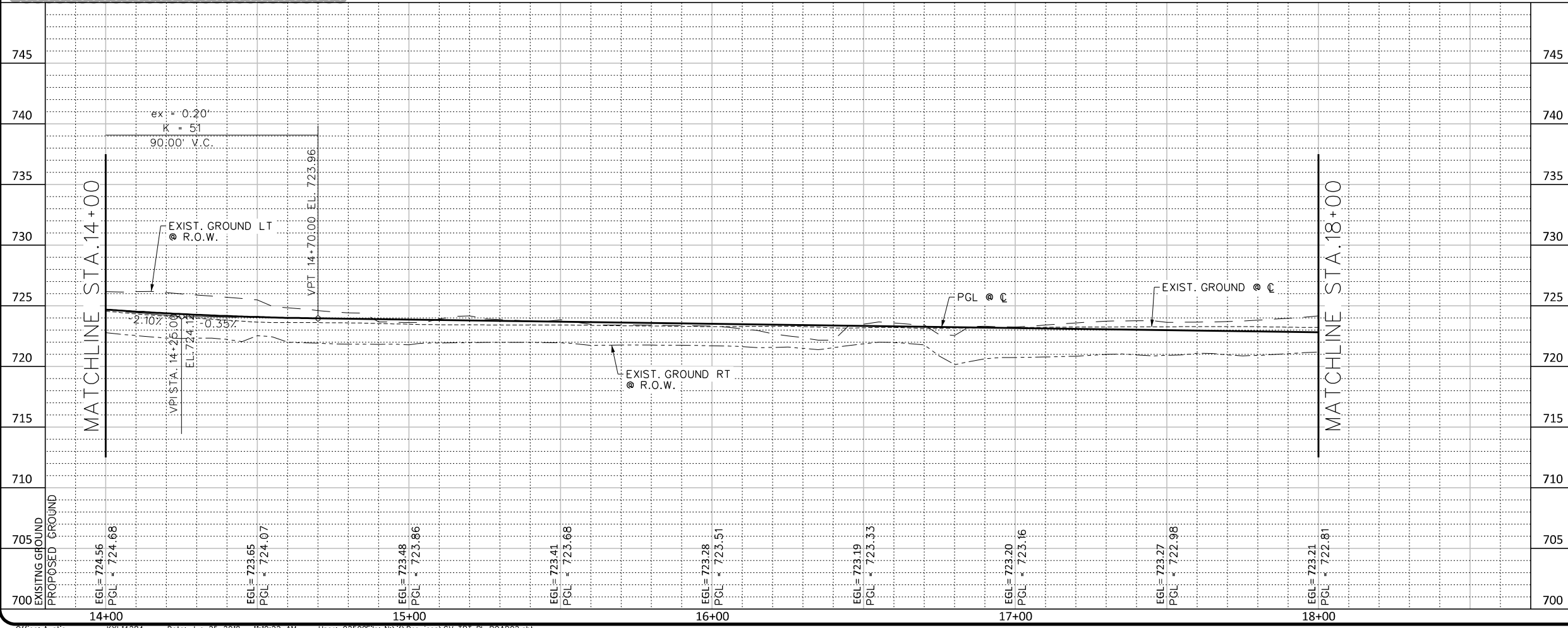
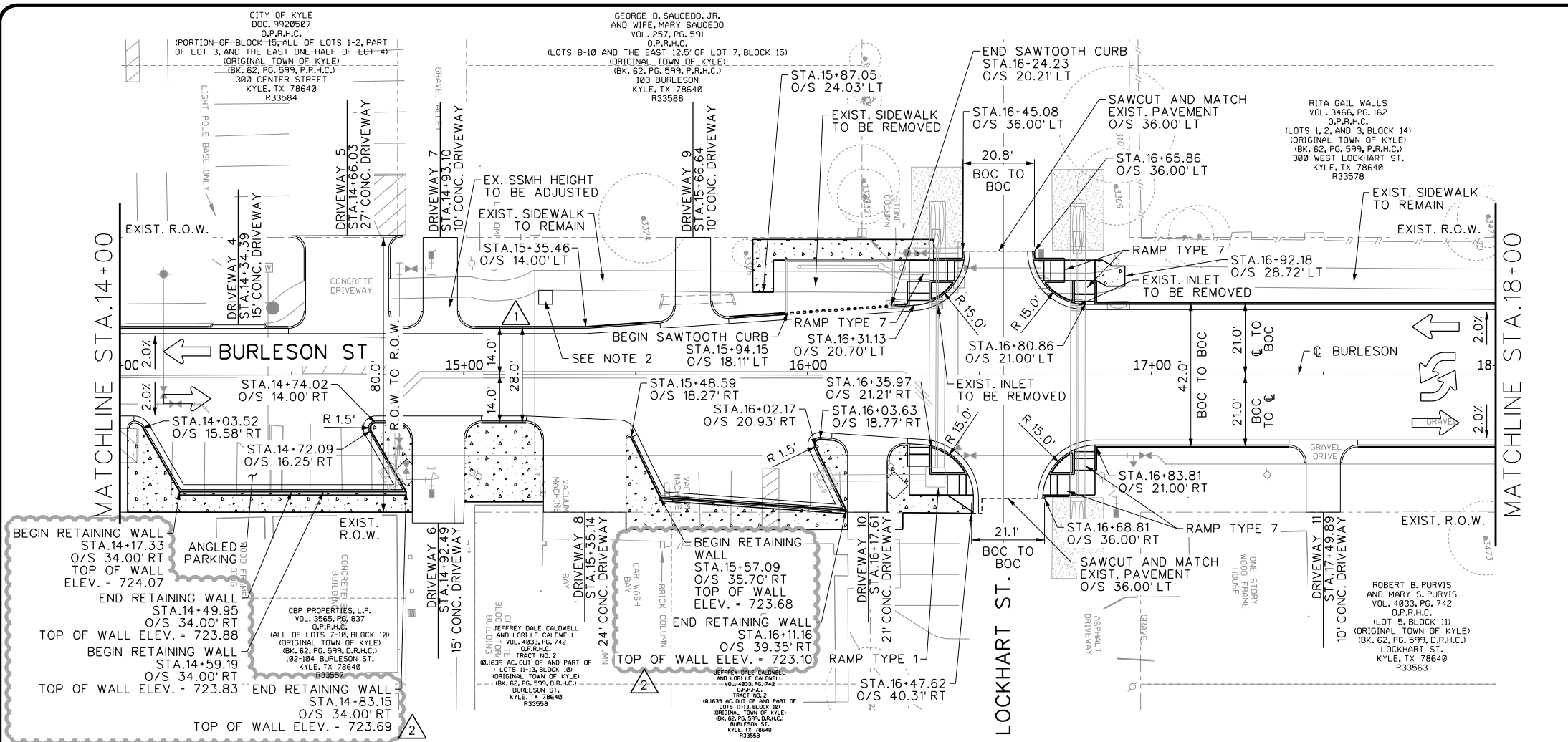
VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET **73**

TOTAL 292

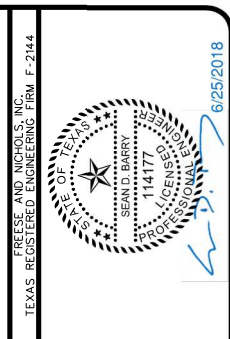
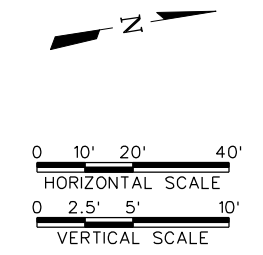
MicroStation V8 User: 0259001; Office: Austin
 KYL14284; N:\V\Drawings\CV-TRT-PL-ROAD01.sht
 Plot Scale: 10.0000; Plot Date: 6/15/18; Model: Default
 Date: Jun 28, 2018 - 11:10:20 AM; Project: Freese and Nichols, Inc.

MicroStation V8 User: 025900\Office - Austin
 KYL14284 - N:\V\Drawings\CV-TRT-PL-ROAD02.dwg
 Plot Scale: 40.0000 15.71 in. File VDP-Monster Model Default
 Date: Jun 25, 2018 - 11:10:22 AM Project: Freese and Nichols, Inc.



NOTE:

- ALL MEASUREMENTS TAKEN FROM BACK OF CURB (BOC) UNLESS OTHERWISE NOTED ON PLANS.
- CONSTRUCT 4'X4' REINFORCED CONCRETE PAD (8" THICK). INSTALL DECORATIVE 12-TENANT MAILBOX AS DESCRIBED IN ITEM 560 IN THE GENERAL NOTES.



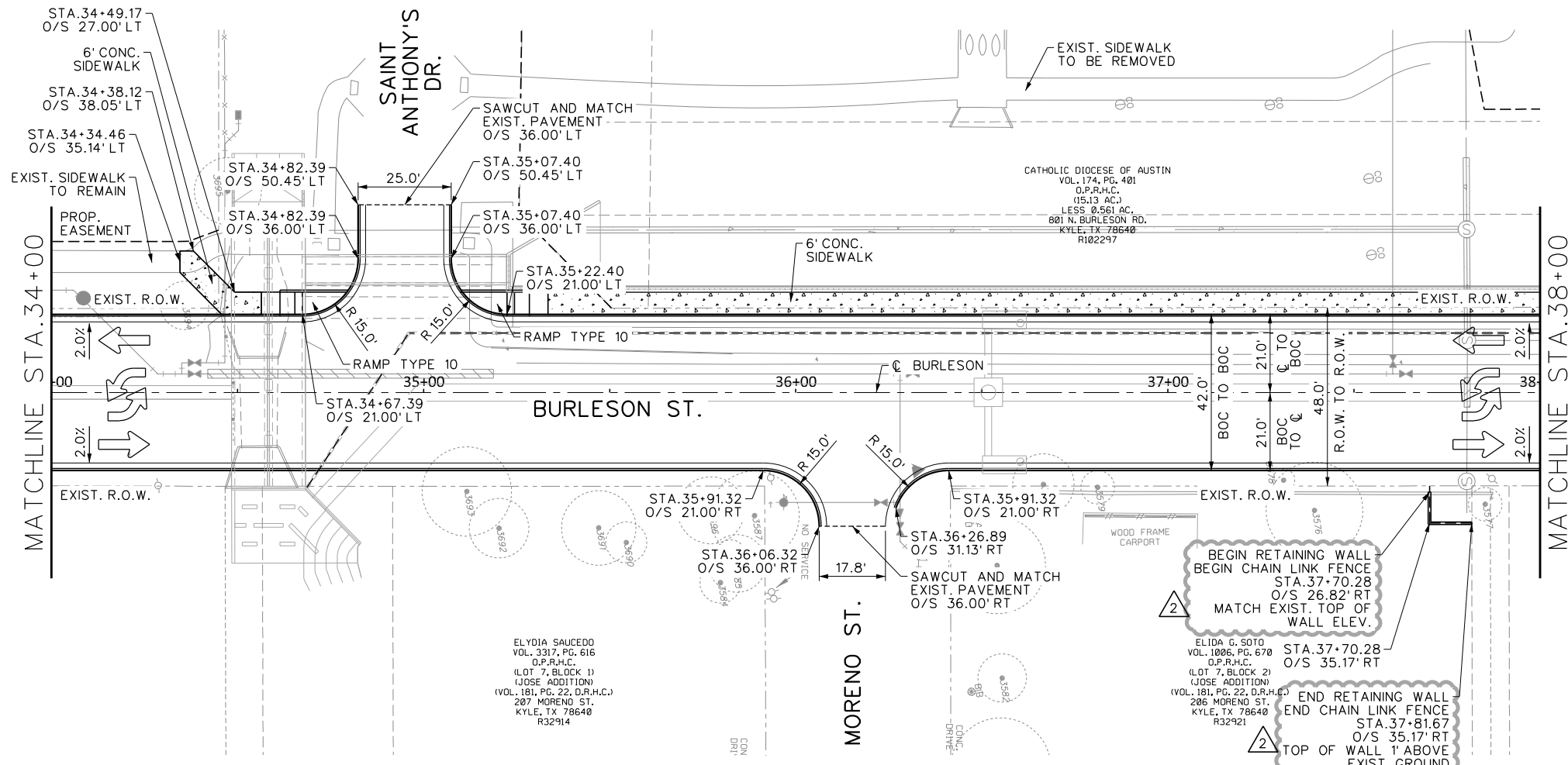
FREES & NICHOLS
 CIVIL
 10431 Morado Circle, Suite 300
 Austin, TX 78759
 Phone: (512) 617-3100
 Fax: (512) 617-3101
 Web: www.freeseandnichols.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
PAVEMENT PLAN & PROFILE SHEETS
STA. 14+00 TO STA. 18+00

NO.	ISSUES	BY	DATE	FN	JOB NO.
					KYL14284
					DATE 5/29/18
					DESIGNED SDB
					DRAWN MJM
					REVISED SDB
					CHECKED JNR
					FILE NAME
					CV-TRT-PL-ROAD02.sht

ADDENDUM NO. 2	ADDENDUM NO. 1
VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.	

SHEET	74
TOTAL	292



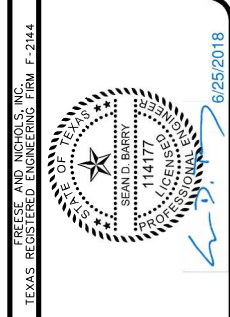
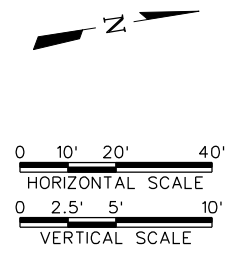
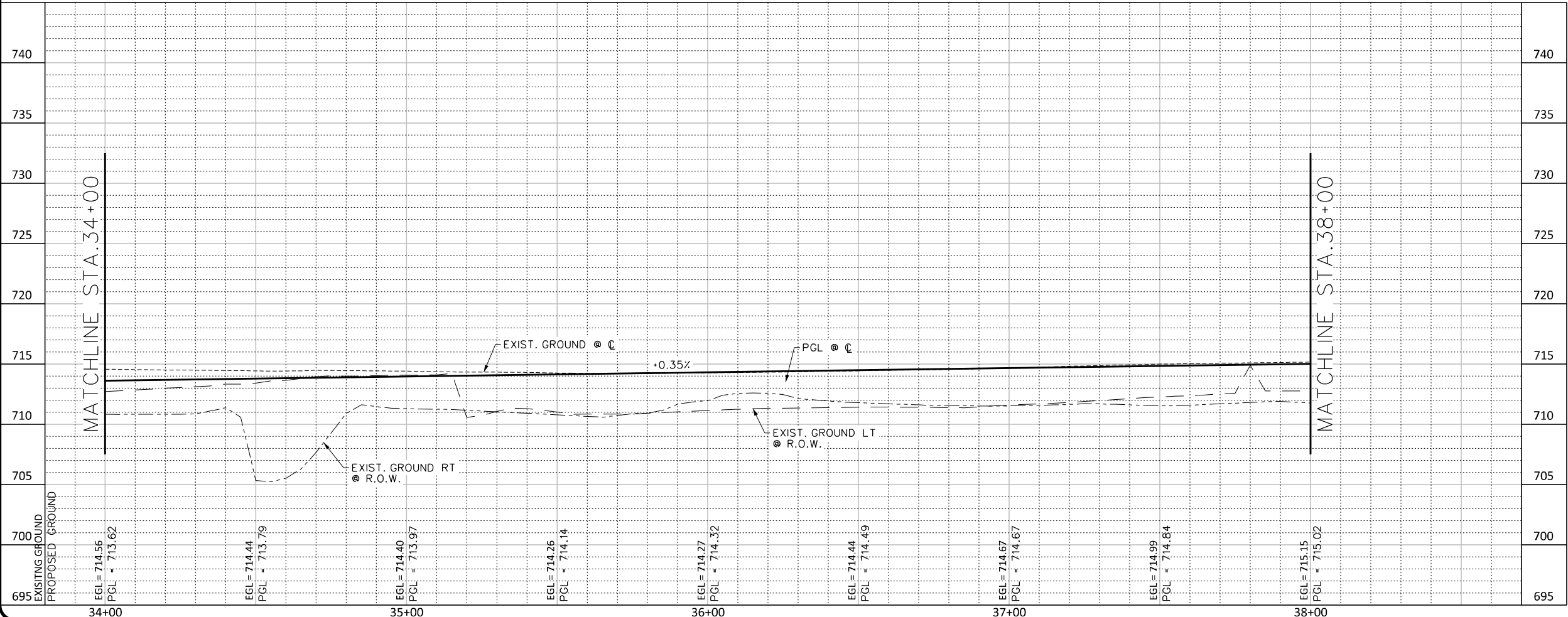
LEGEND

← TRAFFIC DIRECTION

▨ CONCRETE SIDEWALK

NOTE:

1. ALL MEASUREMENTS TAKEN FROM BACK OF CURB (BOC) UNLESS OTHERWISE NOTED ON PLANS.



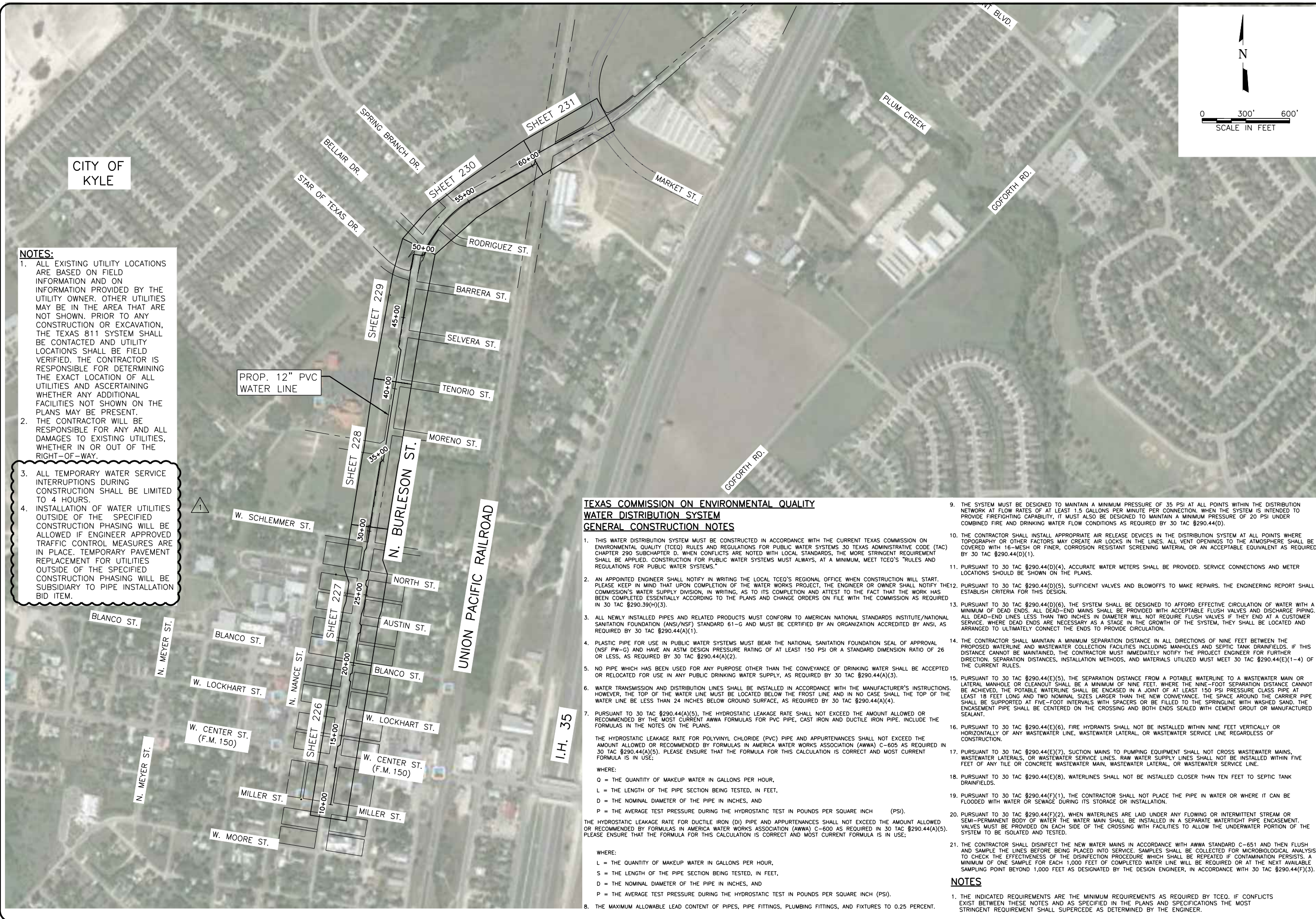
FREES & NICHOLS
 10431 Morado Circle, Suite 300
 Austin, TX 78759
 Phone: (512) 677-3100
 Fax: (512) 677-3101
 Web: www.freese.com

N. BURLESON ST. IMPROVEMENTS
 CIVIL
PAVEMENT PLAN & PROFILE SHEETS
 STA. 34+00 TO STA. 38+00

NO. ISSUES	BY	DATE	FN JOB NO.
			KYL14284
		DESIGNED	DATE
		SDB	5/29/18
		DRAWN	
		MJM	
		REVISED	
	SDB	6/25/18	
		CHECKED	
		JNR	
		FILE NAME	
			CV-TRT-PL-ROAD07.sht
SHEET	79		
TOTAL	292		

MicroStation V8 User: 025900\Office - Austin
 KYL14284 - N:\Drawings\CV-TRT-PL-ROAD07.sht
 Plot Scale: 40.0000 (5.0000 in. = 1.0000 ft)
 Date: Jun 28, 2018 11:10:23 AM
 Project: Freese and Nichols, Inc.

ACAD File: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\GN-BUR-PL-OVR01.dwg
 Last Saved: 6/25/2018 4:23 PM Saved By: 07155



CITY OF KYLE

- NOTES:**
1. ALL EXISTING UTILITY LOCATIONS ARE BASED ON FIELD INFORMATION AND ON INFORMATION PROVIDED BY THE UTILITY OWNER. OTHER UTILITIES MAY BE IN THE AREA THAT ARE NOT SHOWN. PRIOR TO ANY CONSTRUCTION OR EXCAVATION, THE TEXAS 811 SYSTEM SHALL BE CONTACTED AND UTILITY LOCATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES AND ASCERTAINING WHETHER ANY ADDITIONAL FACILITIES NOT SHOWN ON THE PLANS MAY BE PRESENT.
 2. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES, WHETHER IN OR OUT OF THE RIGHT-OF-WAY.
 3. ALL TEMPORARY WATER SERVICE INTERRUPTIONS DURING CONSTRUCTION SHALL BE LIMITED TO 4 HOURS.
 4. INSTALLATION OF WATER UTILITIES OUTSIDE OF THE SPECIFIED CONSTRUCTION PHASING WILL BE ALLOWED IF ENGINEER APPROVED TRAFFIC CONTROL MEASURES ARE IN PLACE. TEMPORARY PAVEMENT REPLACEMENT FOR UTILITIES OUTSIDE OF THE SPECIFIED CONSTRUCTION PHASING WILL BE SUBSIDIARY TO PIPE INSTALLATION BID ITEM.

PROP. 12" PVC WATER LINE

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
 WATER DISTRIBUTION SYSTEM
 GENERAL CONSTRUCTION NOTES**

1. THIS WATER DISTRIBUTION SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS, 30 TEXAS ADMINISTRATIVE CODE (TAC) CHAPTER 290 SUBCHAPTER D. WHEN CONFLICTS ARE NOTED WITH LOCAL STANDARDS, THE MORE STRINGENT REQUIREMENT SHALL BE APPLIED. CONSTRUCTION FOR PUBLIC WATER SYSTEMS MUST ALWAYS, AT A MINIMUM, MEET TCEQ'S "RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS."
2. AN APPOINTED ENGINEER SHALL NOTIFY IN WRITING THE LOCAL TCEQ'S REGIONAL OFFICE WHEN CONSTRUCTION WILL START. PLEASE KEEP IN MIND THAT UPON COMPLETION OF THE WATER WORKS PROJECT, THE ENGINEER OR OWNER SHALL NOTIFY THE COMMISSION'S WATER SUPPLY DIVISION, IN WRITING, AS TO ITS COMPLETION AND ATTEST TO THE FACT THAT THE WORK HAS BEEN COMPLETED ESSENTIALLY ACCORDING TO THE PLANS AND CHANGE ORDERS ON FILE WITH THE COMMISSION AS REQUIRED IN 30 TAC §290.39(H)(3).
3. ALL NEWLY INSTALLED PIPES AND RELATED PRODUCTS MUST CONFORM TO AMERICAN NATIONAL STANDARDS INSTITUTE/NATIONAL SANITATION FOUNDATION (ANSI/NSF) STANDARD 61-G AND MUST BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY ANSI, AS REQUIRED BY 30 TAC §290.44(A)(1).
4. PLASTIC PIPE FOR USE IN PUBLIC WATER SYSTEMS MUST BEAR THE NATIONAL SANITATION FOUNDATION SEAL OF APPROVAL (NSF PW-G) AND HAVE AN ASTM DESIGN PRESSURE RATING OF AT LEAST 150 PSI OR A STANDARD DIMENSION RATIO OF 26 OR LESS, AS REQUIRED BY 30 TAC §290.44(A)(2).
5. NO PIPE WHICH HAS BEEN USED FOR ANY PURPOSE OTHER THAN THE CONVEYANCE OF DRINKING WATER SHALL BE ACCEPTED OR RELOCATED FOR USE IN ANY PUBLIC DRINKING WATER SUPPLY, AS REQUIRED BY 30 TAC §290.44(A)(3).
6. WATER TRANSMISSION AND DISTRIBUTION LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. HOWEVER, THE TOP OF THE WATER LINE MUST BE LOCATED BELOW THE FROST LINE AND IN NO CASE SHALL THE TOP OF THE WATER LINE BE LESS THAN 24 INCHES BELOW GROUND SURFACE, AS REQUIRED BY 30 TAC §290.44(A)(4).
7. PURSUANT TO 30 TAC §290.44(A)(5), THE HYDROSTATIC LEAKAGE RATE SHALL NOT EXCEED THE AMOUNT ALLOWED OR RECOMMENDED BY THE MOST CURRENT AWWA FORMULAS FOR PVC PIPE, CAST IRON AND DUCTILE IRON PIPE. INCLUDE THE FORMULAS IN THE NOTES ON THE PLANS.
 THE HYDROSTATIC LEAKAGE RATE FOR POLYVINYL CHLORIDE (PVC) PIPE AND APPURTENANCES SHALL NOT EXCEED THE AMOUNT ALLOWED OR RECOMMENDED BY FORMULAS IN AMERICA WATER WORKS ASSOCIATION (AWWA) C-605 AS REQUIRED IN 30 TAC §290.44(A)(5). PLEASE ENSURE THAT THE FORMULA FOR THIS CALCULATION IS CORRECT AND MOST CURRENT FORMULA IS IN USE:
 WHERE:
 Q = THE QUANTITY OF MAKEUP WATER IN GALLONS PER HOUR,
 L = THE LENGTH OF THE PIPE SECTION BEING TESTED, IN FEET,
 D = THE NOMINAL DIAMETER OF THE PIPE IN INCHES, AND
 P = THE AVERAGE TEST PRESSURE DURING THE HYDROSTATIC TEST IN POUNDS PER SQUARE INCH (PSI).
 THE HYDROSTATIC LEAKAGE RATE FOR DUCTILE IRON (DI) PIPE AND APPURTENANCES SHALL NOT EXCEED THE AMOUNT ALLOWED OR RECOMMENDED BY FORMULAS IN AMERICA WATER WORKS ASSOCIATION (AWWA) C-600 AS REQUIRED IN 30 TAC §290.44(A)(5). PLEASE ENSURE THAT THE FORMULA FOR THIS CALCULATION IS CORRECT AND MOST CURRENT FORMULA IS IN USE:
 WHERE:
 L = THE QUANTITY OF MAKEUP WATER IN GALLONS PER HOUR,
 S = THE LENGTH OF THE PIPE SECTION BEING TESTED, IN FEET,
 D = THE NOMINAL DIAMETER OF THE PIPE IN INCHES, AND
 P = THE AVERAGE TEST PRESSURE DURING THE HYDROSTATIC TEST IN POUNDS PER SQUARE INCH (PSI).
8. THE MAXIMUM ALLOWABLE LEAD CONTENT OF PIPES, PIPE FITTINGS, PLUMBING FITTINGS, AND FIXTURES TO 0.25 PERCENT.
9. THE SYSTEM MUST BE DESIGNED TO MAINTAIN A MINIMUM PRESSURE OF 35 PSI AT ALL POINTS WITHIN THE DISTRIBUTION NETWORK AT FLOW RATES OF AT LEAST 1.5 GALLONS PER MINUTE PER CONNECTION. WHEN THE SYSTEM IS INTENDED TO PROVIDE FIREFIGHTING CAPABILITY, IT MUST ALSO BE DESIGNED TO MAINTAIN A MINIMUM PRESSURE OF 20 PSI UNDER COMBINED FIRE AND DRINKING WATER FLOW CONDITIONS AS REQUIRED BY 30 TAC §290.44(D).
10. THE CONTRACTOR SHALL INSTALL APPROPRIATE AIR RELEASE DEVICES IN THE DISTRIBUTION SYSTEM AT ALL POINTS WHERE TOPOGRAPHY OR OTHER FACTORS MAY CREATE AIR LOCKS IN THE LINES. ALL VENT OPENINGS TO THE ATMOSPHERE SHALL BE COVERED WITH 16-MESH OR FINER, CORROSION RESISTANT SCREENING MATERIAL OR AN ACCEPTABLE EQUIVALENT AS REQUIRED BY 30 TAC §290.44(D)(1).
11. PURSUANT TO 30 TAC §290.44(D)(4), ACCURATE WATER METERS SHALL BE PROVIDED. SERVICE CONNECTIONS AND METER LOCATIONS SHOULD BE SHOWN ON THE PLANS.
12. PURSUANT TO 30 TAC §290.44(D)(5), SUFFICIENT VALVES AND BLOWOFFS TO MAKE REPAIRS. THE ENGINEERING REPORT SHALL ESTABLISH CRITERIA FOR THIS DESIGN.
13. PURSUANT TO 30 TAC §290.44(D)(6), THE SYSTEM SHALL BE DESIGNED TO AFFORD EFFECTIVE CIRCULATION OF WATER WITH A MINIMUM OF DEAD ENDS. ALL DEAD-END MAINS SHALL BE PROVIDED WITH ACCEPTABLE FLUSH VALVES AND DISCHARGE PIPING. ALL DEAD-END LINES LESS THAN TWO INCHES IN DIAMETER WILL NOT REQUIRE FLUSH VALVES IF THEY END AT A CUSTOMER SERVICE. WHERE DEAD ENDS ARE NECESSARY AS A STAGE IN THE GROWTH OF THE SYSTEM, THEY SHALL BE LOCATED AND ARRANGED TO ULTIMATELY CONNECT THE ENDS TO PROVIDE CIRCULATION.
14. THE CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION DISTANCE IN ALL DIRECTIONS OF NINE FEET BETWEEN THE PROPOSED WATERLINE AND WASTEWATER COLLECTION FACILITIES INCLUDING MANHOLES AND SEPTIC TANK DRAINFIELDS. IF THIS DISTANCE CANNOT BE MAINTAINED, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE PROJECT ENGINEER FOR FURTHER DIRECTION, SEPARATION DISTANCES, INSTALLATION METHODS, AND MATERIALS UTILIZED MUST MEET 30 TAC §290.44(E)(1-4) OF THE CURRENT RULES.
15. PURSUANT TO 30 TAC §290.44(E)(5), THE SEPARATION DISTANCE FROM A POTABLE WATERLINE TO A WASTEWATER MAIN OR LATERAL MANHOLE OR CLEANOUT SHALL BE A MINIMUM OF NINE FEET, WHERE THE NINE-FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, THE POTABLE WATERLINE SHALL BE ENCASED IN A JOINT OF AT LEAST 150 PSI PRESSURE CLASS PIPE AT LEAST 18 FEET LONG AND TWO NOMINAL SIZES LARGER THAN THE NEW CONVEYANCE. THE SPACE AROUND THE CARRIER PIPE SHALL BE SUPPORTED AT FIVE-FOOT INTERVALS WITH SPACERS OR BE FILLED TO THE SPRINGLINE WITH WASHED SAND. THE ENCASEMENT PIPE SHALL BE CENTERED ON THE CROSSING AND BOTH ENDS SEALED WITH CEMENT GROUT OR MANUFACTURED SEALANT.
16. PURSUANT TO 30 TAC §290.44(E)(6), FIRE HYDRANTS SHALL NOT BE INSTALLED WITHIN NINE FEET VERTICALLY OR HORIZONTALLY OF ANY WASTEWATER LINE, WASTEWATER LATERAL, OR WASTEWATER SERVICE LINE REGARDLESS OF CONSTRUCTION.
17. PURSUANT TO 30 TAC §290.44(E)(7), SUCTION MAINS TO PUMPING EQUIPMENT SHALL NOT CROSS WASTEWATER MAINS, WASTEWATER LATERALS, OR WASTEWATER SERVICE LINES. RAW WATER SUPPLY LINES SHALL NOT BE INSTALLED WITHIN FIVE FEET OF ANY TILE OR CONCRETE WASTEWATER MAIN, WASTEWATER LATERAL, OR WASTEWATER SERVICE LINE.
18. PURSUANT TO 30 TAC §290.44(E)(8), WATERLINES SHALL NOT BE INSTALLED CLOSER THAN TEN FEET TO SEPTIC TANK DRAINFIELDS.
19. PURSUANT TO 30 TAC §290.44(F)(1), THE CONTRACTOR SHALL NOT PLACE THE PIPE IN WATER OR WHERE IT CAN BE FLOODED WITH WATER OR SEWAGE DURING ITS STORAGE OR INSTALLATION.
20. PURSUANT TO 30 TAC §290.44(F)(2), WHEN WATERLINES ARE LAID UNDER ANY FLOWING OR INTERMITTENT STREAM OR SEMI-PERMANENT BODY OF WATER THE WATER MAIN SHALL BE INSTALLED IN A SEPARATE WATERTIGHT PIPE ENCASEMENT. VALVES MUST BE PROVIDED ON EACH SIDE OF THE CROSSING WITH FACILITIES TO ALLOW THE UNDERWATER PORTION OF THE SYSTEM TO BE ISOLATED AND TESTED.
21. THE CONTRACTOR SHALL DISINFECT THE NEW WATER MAINS IN ACCORDANCE WITH AWWA STANDARD C-651 AND THEN FLUSH AND SAMPLE THE LINES BEFORE BEING PLACED INTO SERVICE. SAMPLES SHALL BE COLLECTED FOR MICROBIOLOGICAL ANALYSIS TO CHECK THE EFFECTIVENESS OF THE DISINFECTION PROCEDURE WHICH SHALL BE REPEATED IF CONTAMINATION PERSISTS. A MINIMUM OF ONE SAMPLE FOR EACH 1,000 FEET OF COMPLETED WATER LINE WILL BE REQUIRED OR AT THE NEXT AVAILABLE SAMPLING POINT BEYOND 1,000 FEET AS DESIGNATED BY THE DESIGN ENGINEER, IN ACCORDANCE WITH 30 TAC §290.44(F)(3).

NOTES

1. THE INDICATED REQUIREMENTS ARE THE MINIMUM REQUIREMENTS AS REQUIRED BY TCEQ. IF CONFLICTS EXIST BETWEEN THESE NOTES AND AS SPECIFIED IN THE PLANS AND SPECIFICATIONS THE MOST STRINGENT REQUIREMENT SHALL SUPERCEDE AS DETERMINED BY THE ENGINEER.

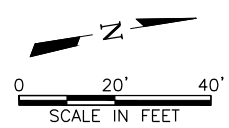
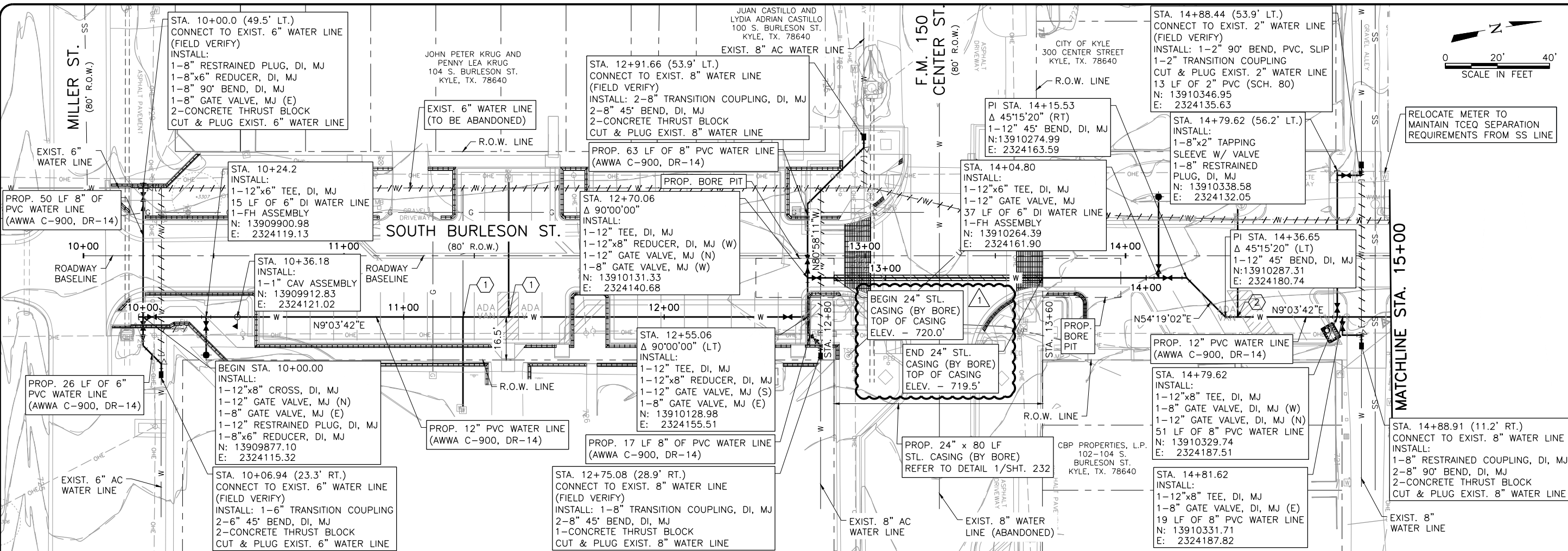
Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18

FRESE NICHOLS
 10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
 OVERALL WATER PLAN AND KEY MAP

NO.	REVISION	DATE	BY	DATE	FILE NAME
					GN-BUR-PL-OVR01.dwg
		6/22/18	ACH	REVISION	
				0	Bar is one inch on original drawing; if not one inch on this sheet, adjust scale.
SHEET 225					
TOTAL 292					

ACAD File: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\WTU-BUR-PP-WL01.dwg
 Last Saved: 6/25/2018 11:01 AM Saved By: 07155

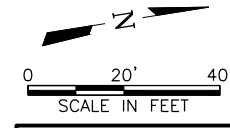
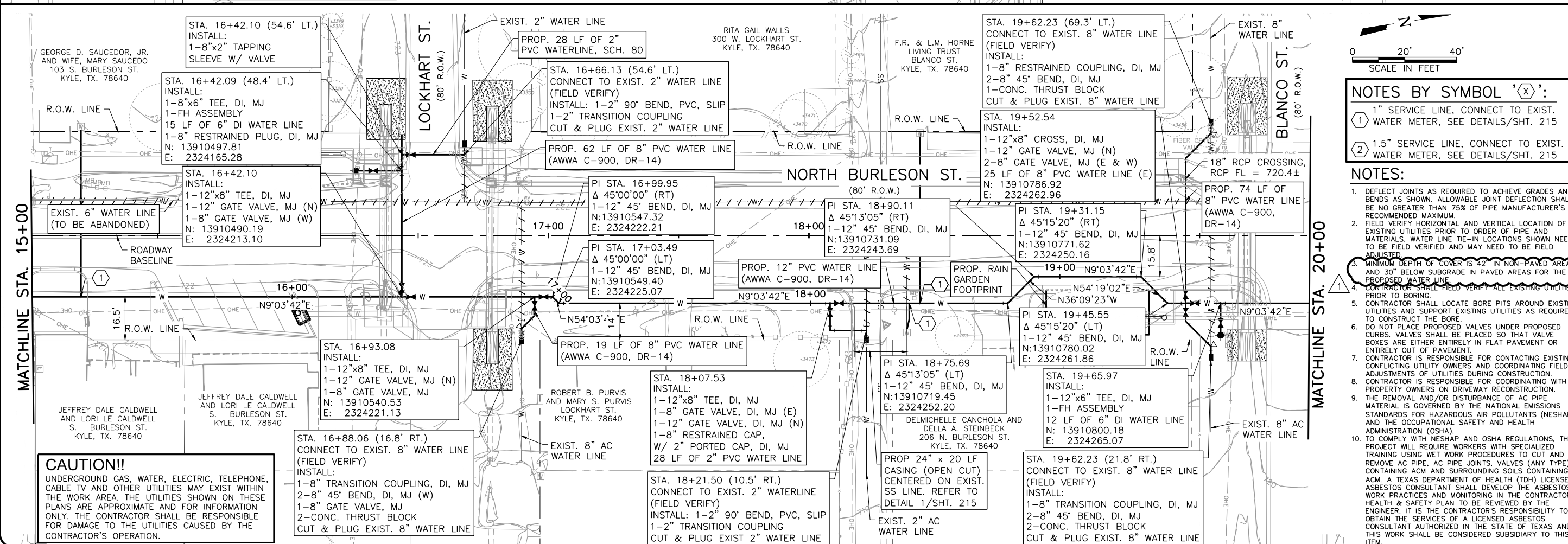


Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18

 ANNE C. HOSKINS
 103447
 PROFESSIONAL ENGINEER
 STATE OF TEXAS

FRESE NICHOLS
 10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
WATER LINE PLAN
 STA. 10+00 TO STA. 20+00



NOTES BY SYMBOL 'x':
 ① 1" SERVICE LINE, CONNECT TO EXIST. WATER METER, SEE DETAILS/SHT. 215
 ② 1.5" SERVICE LINE, CONNECT TO EXIST. WATER METER, SEE DETAILS/SHT. 215

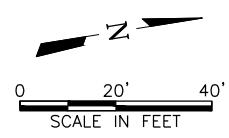
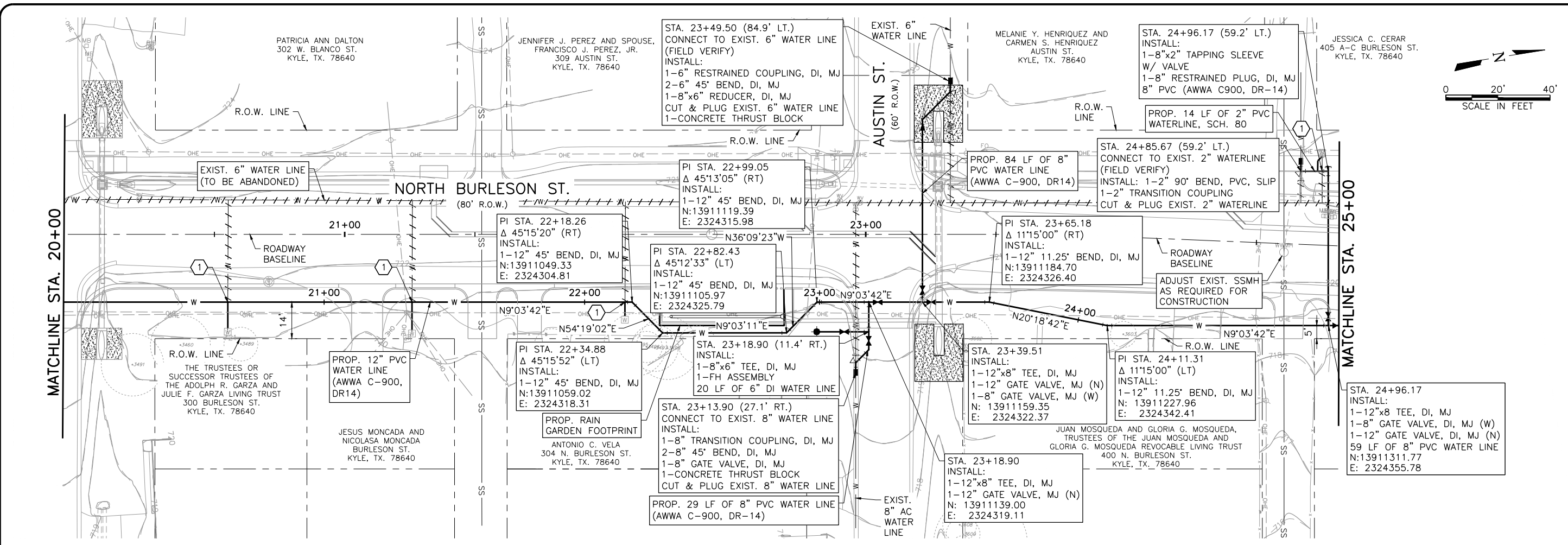
- NOTES:**
- DEFLECT JOINTS AS REQUIRED TO ACHIEVE GRADES AND BENDS AS SHOWN. ALLOWABLE JOINT DEFLECTION SHALL BE NO GREATER THAN 75% OF PIPE MANUFACTURER'S RECOMMENDED MAXIMUM.
 - FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS. WATER LINE TIE-IN LOCATIONS SHOWN NEED TO BE FIELD VERIFIED AND MAY NEED TO BE FIELD ADJUSTED.
 - MINIMUM DEPTH OF COVER IS 42" IN NON-PAVED AREAS AND 30" BELOW SUBGRADE IN PAVED AREAS FOR THE PROPOSED WATER LINE.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO BORING.
 - CONTRACTOR SHALL LOCATE BORE PITS AROUND EXISTING UTILITIES AND SUPPORT EXISTING UTILITIES AS REQUIRED TO CONSTRUCT THE BORE.
 - DO NOT PLACE PROPOSED VALVES UNDER PROPOSED CURBS. VALVES SHALL BE PLACED SO THAT VALVE BOXES ARE EITHER ENTIRELY IN FLAT PAVEMENT OR ENTIRELY OUT OF PAVEMENT.
 - CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 - THE REMOVAL AND/OR DISTURBANCE OF AC PIPE MATERIAL IS GOVERNED BY THE NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
 - TO COMPLY WITH NESHAP AND OSHA REGULATIONS, THIS PROJECT WILL REQUIRE WORKERS WITH SPECIALIZED TRAINING USING WET WORK PROCEDURES TO CUT AND REMOVE AC PIPE, AC PIPE JOINTS, VALVES (ANY TYPE) CONTAINING ACM AND SURROUNDING SOILS CONTAINING ACM. A TEXAS DEPARTMENT OF HEALTH (TDH) LICENSED ASBESTOS CONSULTANT SHALL DEVELOP THE ASBESTOS WORK PRACTICES AND MONITORING IN THE CONTRACTOR'S HEALTH & SAFETY PLAN TO BE REVIEWED BY THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE SERVICES OF A LICENSED ASBESTOS CONSULTANT AUTHORIZED IN THE STATE OF TEXAS AND THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

NO.	REVISION	DATE	BY	ACH	FILE NAME
1		06/22/18			WTU-BUR-PP-WL01.dwg
2					
3					
4					
5					
6					
7					
8					
9					
10					

ADDENDUM NO. 2
 Bar is one inch on original drawing; if not one inch on this sheet, adjust scale.

SHEET **226**
 TOTAL 292

ACAD File: 21.0s (LMS Tech)
 File Name: N:\WTU\Drawings\WTU-BUR-PP-WL01.dwg
 Last Saved: 6/25/2018 11:01 AM Saved By: 07155

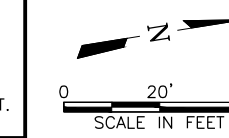
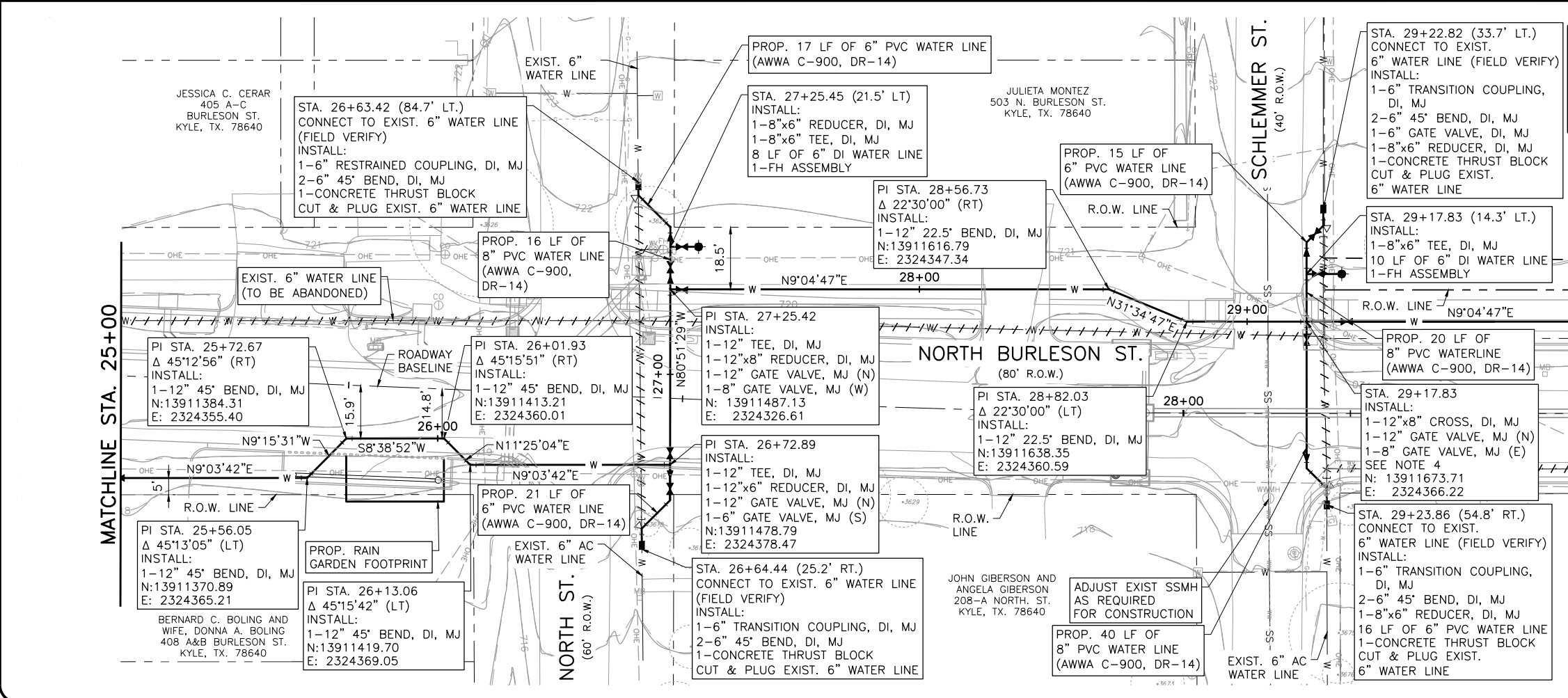


Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144

 6-22-18

FREES & NICHOLS
 10431 Morado Circle, Suite 900
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
WATER LINE PLAN
 STA. 20+00 TO STA. 30+00



NOTES BY SYMBOL 'X':
 (1) 1" SERVICE LINE, CONNECT TO EXIST. WATER METER, SEE DETAILS/SHT. 215
 (2) 1.5" SERVICE LINE, CONNECT TO EXIST. WATER METER, SEE DETAILS/SHT. 215

- NOTES:**
- DEFLECT JOINTS AS REQUIRED TO ACHIEVE GRADES AND BENDS AS SHOWN. ALLOWABLE JOINT DEFLECTION SHALL BE NO GREATER THAN 75% OF PIPE MANUFACTURER'S RECOMMENDED MAXIMUM.
 - FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS. WATER LINE TIE-IN LOCATIONS SHOWN NEED TO BE FIELD VERIFIED AND MAY NEED TO BE FIELD ADJUSTED.
 - MINIMUM DEPTH OF COVER IS 42" IN NON-PAVED AREAS AND 30" BELOW SUBGRADE IN PAVED AREAS FOR THE PROPOSED WATER LINE.
 - VALVE BOXES SHALL BE PLACED UNDER PROPOSED CURBS. VALVES SHALL BE PLACED SO THAT VALVE BOXES ARE EITHER ENTIRELY IN FLAT PAVEMENT OR ENTIRELY OUT OF PAVEMENT.
 - CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 - THE REMOVAL AND/OR DISTURBANCE OF AC PIPE MATERIAL IS GOVERNED BY THE NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). TO COMPLY WITH NESHAP AND OSHA REGULATIONS, THIS PROJECT WILL REQUIRE WORKERS WITH SPECIALIZED TRAINING USING SET WORK PROCEDURES TO CUT AND REMOVE AC PIPE. AC PIPE JOINTS, VALVES (ANY TYPE) CONTAINING ACM AND SURROUNDING SOILS CONTAINING ACM. A TEXAS DEPARTMENT OF HEALTH (TDH) LICENSED ASBESTOS CONSULTANT SHALL DEVELOP THE ASBESTOS WORK PRACTICES AND MONITORING IN THE CONTRACTOR'S EALTH & SAFETY PLAN TO BE REVIEWED BY THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE SERVICES OF A LICENSED ASBESTOS CONSULTANT AUTHORIZED IN THE STATE OF TEXAS AND THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

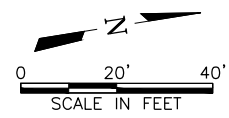
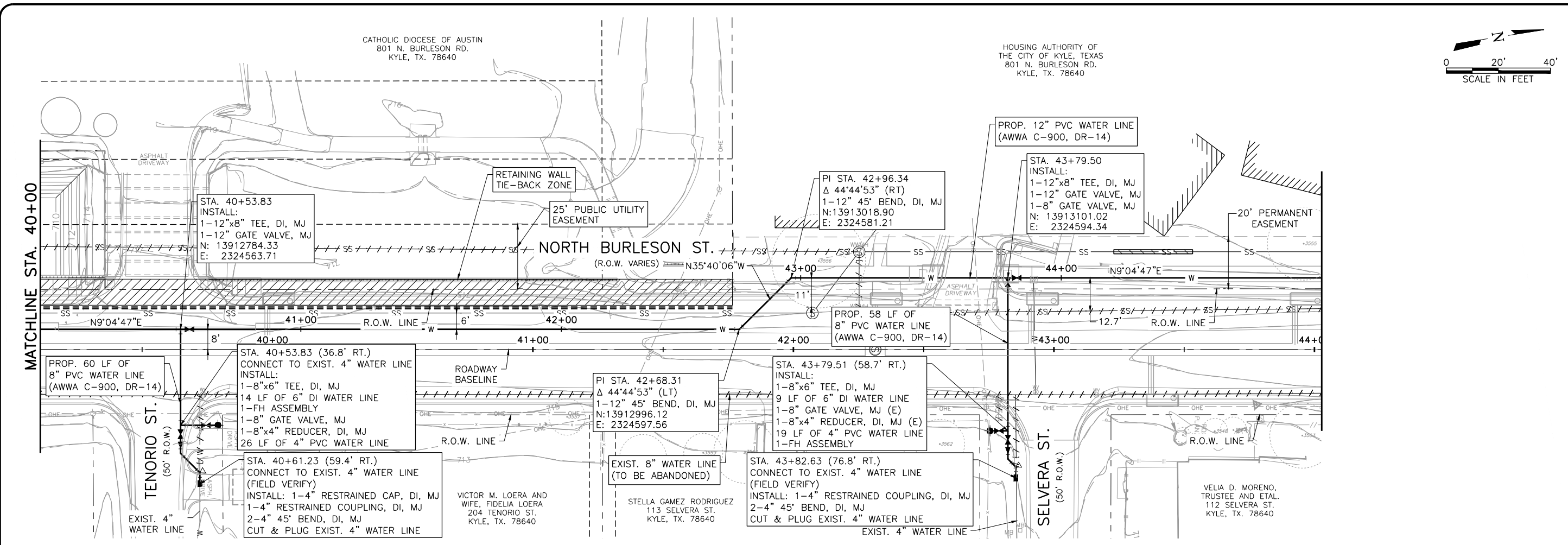
CAUTION!!
 UNDERGROUND GAS, WATER, ELECTRIC, TELEPHONE, CABLE TV AND OTHER UTILITIES MAY EXIST WITHIN THE WORK AREA. THE UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION.

NO.	REVISION	DATE	BY	FILE NAME
1		06/22/18	ACH	WTU-BUR-PP-WL01.dwg
2				
3				
4				
5				
6				
7				
8				
9				
10				

ADDITIONAL NO. 2
 VERIFY SCALE
 Bar is one inch on original drawing; if not one inch on this sheet, adjust scale.

SHEET **227**
 TOTAL 292

ACAD File: 21.0s (LMS Tech)
 File Name: N:\WTU\Drawings\WTU-BUR-PP-WL01.dwg
 Last Saved: 6/25/2018 11:01 AM Saved By: 07155

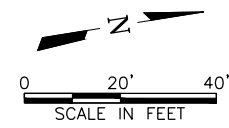
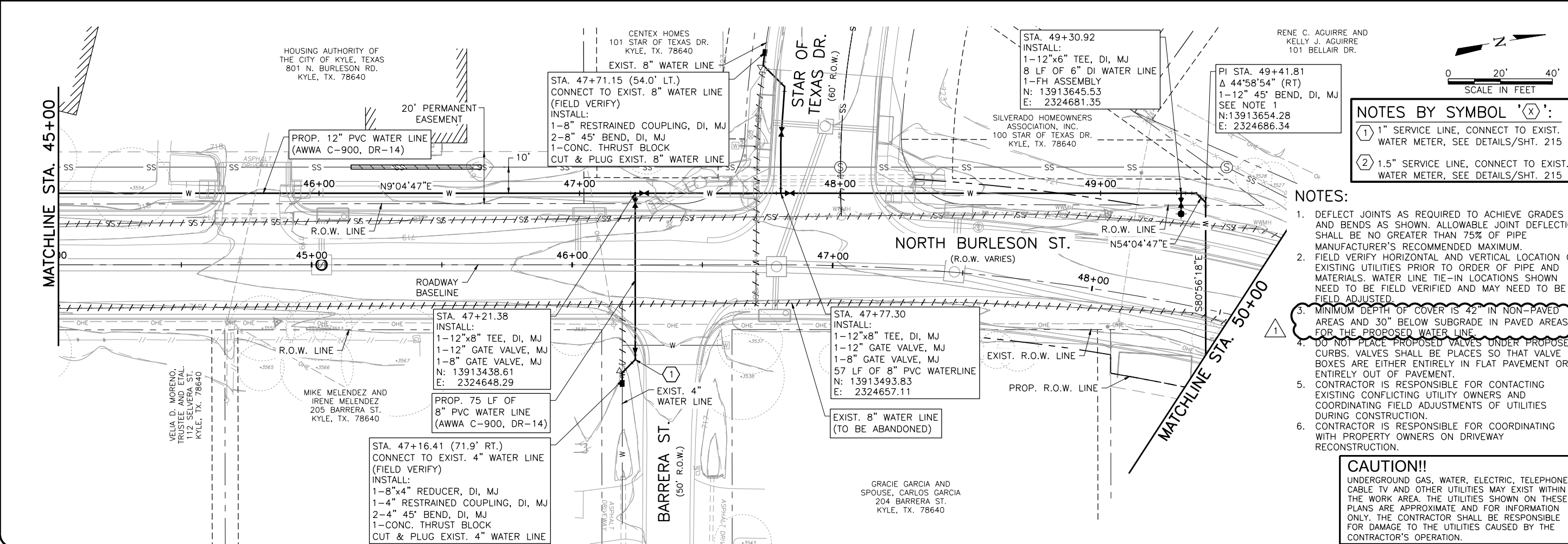


Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18

 ANNE C. HOSKINS
 103447
 PROFESSIONAL ENGINEER
 STATE OF TEXAS

FRESE NICHOLS
 10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
WATER LINE PLAN
 STA. 40+00 TO STA. 50+00



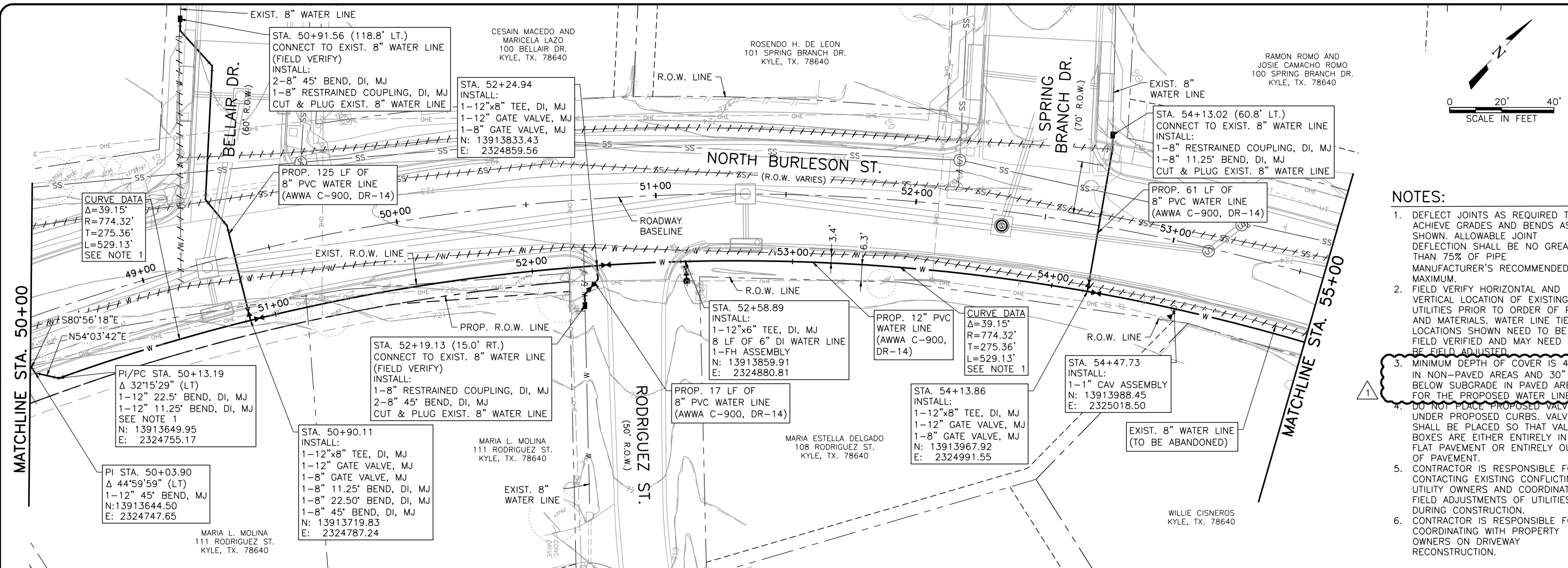
- NOTES BY SYMBOL 'X':**
- ① 1" SERVICE LINE, CONNECT TO EXIST. WATER METER, SEE DETAILS/SHT. 215
 - ② 1.5" SERVICE LINE, CONNECT TO EXIST. WATER METER, SEE DETAILS/SHT. 215

- NOTES:**
1. DEFLECT JOINTS AS REQUIRED TO ACHIEVE GRADES AND BENDS AS SHOWN. ALLOWABLE JOINT DEFLECTION SHALL BE NO GREATER THAN 75% OF PIPE MANUFACTURER'S RECOMMENDED MAXIMUM.
 2. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS. WATER LINE TIE-IN LOCATIONS SHOWN NEED TO BE FIELD VERIFIED AND MAY NEED TO BE FIELD ADJUSTED.
 3. MINIMUM DEPTH OF COVER IS 42" IN NON-PAVED AREAS AND 30" BELOW SUBGRADE IN PAVED AREAS FOR THE PROPOSED WATER LINE.
 4. DO NOT PLACE PROPOSED VALVES UNDER PROPOSED CURBS. VALVES SHALL BE PLACED SO THAT VALVE BOXES ARE EITHER ENTIRELY IN FLAT PAVEMENT OR ENTIRELY OUT OF PAVEMENT.
 5. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.

CAUTION!!
 UNDERGROUND GAS, WATER, ELECTRIC, TELEPHONE, CABLE TV AND OTHER UTILITIES MAY EXIST WITHIN THE WORK AREA. THE UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION.

NO.	REVISION	DATE	BY	FILE NAME	DTB
1		06/22/18	ACH	WTU-BUR-PP-WL01.dwg	
2		06/25/2018	SC		
3		06/25/2018	DDH		
4		06/25/2018	DDH		
5		06/25/2018	DDH		
6		06/25/2018	DDH		
7		06/25/2018	DDH		
8		06/25/2018	DDH		
9		06/25/2018	DDH		
10		06/25/2018	DDH		
11		06/25/2018	DDH		
12		06/25/2018	DDH		
13		06/25/2018	DDH		
14		06/25/2018	DDH		
15		06/25/2018	DDH		
16		06/25/2018	DDH		
17		06/25/2018	DDH		
18		06/25/2018	DDH		
19		06/25/2018	DDH		
20		06/25/2018	DDH		
21		06/25/2018	DDH		
22		06/25/2018	DDH		
23		06/25/2018	DDH		
24		06/25/2018	DDH		
25		06/25/2018	DDH		
26		06/25/2018	DDH		
27		06/25/2018	DDH		
28		06/25/2018	DDH		
29		06/25/2018	DDH		
30		06/25/2018	DDH		
31		06/25/2018	DDH		
32		06/25/2018	DDH		
33		06/25/2018	DDH		
34		06/25/2018	DDH		
35		06/25/2018	DDH		
36		06/25/2018	DDH		
37		06/25/2018	DDH		
38		06/25/2018	DDH		
39		06/25/2018	DDH		
40		06/25/2018	DDH		
41		06/25/2018	DDH		
42		06/25/2018	DDH		
43		06/25/2018	DDH		
44		06/25/2018	DDH		
45		06/25/2018	DDH		
46		06/25/2018	DDH		
47		06/25/2018	DDH		
48		06/25/2018	DDH		
49		06/25/2018	DDH		
50		06/25/2018	DDH		
51		06/25/2018	DDH		
52		06/25/2018	DDH		
53		06/25/2018	DDH		
54		06/25/2018	DDH		
55		06/25/2018	DDH		
56		06/25/2018	DDH		
57		06/25/2018	DDH		
58		06/25/2018	DDH		
59		06/25/2018	DDH		
60		06/25/2018	DDH		
61		06/25/2018	DDH		
62		06/25/2018	DDH		
63		06/25/2018	DDH		
64		06/25/2018	DDH		
65		06/25/2018	DDH		
66		06/25/2018	DDH		
67		06/25/2018	DDH		
68		06/25/2018	DDH		
69		06/25/2018	DDH		
70		06/25/2018	DDH		
71		06/25/2018	DDH		
72		06/25/2018	DDH		
73		06/25/2018	DDH		
74		06/25/2018	DDH		
75		06/25/2018	DDH		
76		06/25/2018	DDH		
77		06/25/2018	DDH		
78		06/25/2018	DDH		
79		06/25/2018	DDH		
80		06/25/2018	DDH		
81		06/25/2018	DDH		
82		06/25/2018	DDH		
83		06/25/2018	DDH		
84		06/25/2018	DDH		
85		06/25/2018	DDH		
86		06/25/2018	DDH		
87		06/25/2018	DDH		
88		06/25/2018	DDH		
89		06/25/2018	DDH		
90		06/25/2018	DDH		
91		06/25/2018	DDH		
92		06/25/2018	DDH		
93		06/25/2018	DDH		
94		06/25/2018	DDH		
95		06/25/2018	DDH		
96		06/25/2018	DDH		
97		06/25/2018	DDH		
98		06/25/2018	DDH		
99		06/25/2018	DDH		
100		06/25/2018	DDH		

ACAD File: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\WTU-BUR-PP-WL01.dwg
 Last Saved: 6/25/2018 11:01 AM Saved By: 07155



6-22-18

Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144

FRESE NICHOLS

10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

CITY OF KYLE, TEXAS

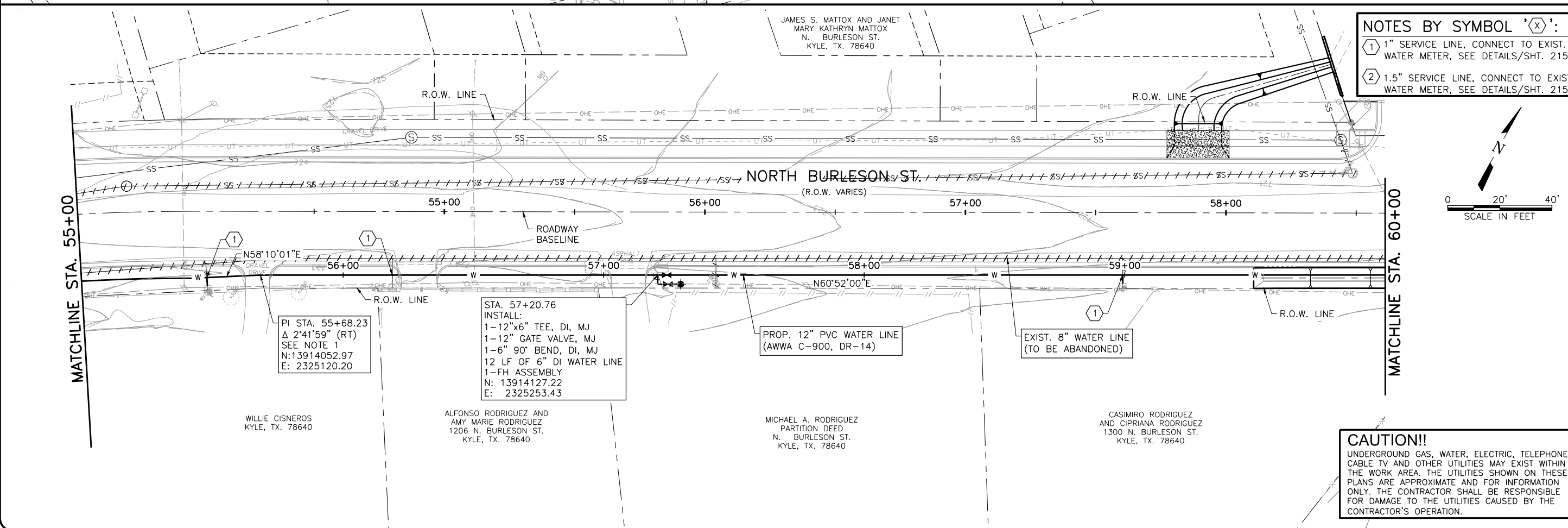
N. BURLESON ST. IMPROVEMENTS

CIVIL

WATER LINE PLAN

STA. 50+00 TO STA. 60+00

- NOTES:**
1. DEFLECT JOINTS AS REQUIRED TO ACHIEVE GRADES AND BENDS AS SHOWN. ALLOWABLE JOINT DEFLECTION SHALL BE NO GREATER THAN 75% OF PIPE MANUFACTURER'S RECOMMENDED MAXIMUM.
 2. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS. WATER LINE TIE-IN LOCATIONS SHOWN NEED TO BE FIELD VERIFIED AND MAY NEED TO BE FIELD ADJUSTED.
 3. MINIMUM DEPTH OF COVER IS 42" IN NON-PAVED AREAS AND 30" BELOW SUBGRADE IN PAVED AREAS FOR THE PROPOSED WATER LINE.
 4. DO NOT PLACE PROPOSED VALVES UNDER PROPOSED CURBS. VALVES SHALL BE PLACED SO THAT VALVE BOXES ARE EITHER ENTIRELY IN FLAT PAVEMENT OR ENTIRELY OUT OF PAVEMENT.
 5. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.



NOTES BY SYMBOL 'X':

① 1" SERVICE LINE, CONNECT TO EXIST. WATER METER, SEE DETAILS/SHT. 215

② 1.5" SERVICE LINE, CONNECT TO EXIST. WATER METER, SEE DETAILS/SHT. 215

NO.	REVISION	DATE	BY	DATE	FILE NAME
1	ADDENDUM NO. 2	06/22/18	ACH	06/22/18	WTU-BUR-PP-WL01.dwg
0	VERIFY SCALE				Bar is one inch on original drawing; if not one inch on this sheet, adjust scale.

SHEET **230**

TOTAL 292

CAUTION!!

UNDERGROUND GAS, WATER, ELECTRIC, TELEPHONE, CABLE TV AND OTHER UTILITIES MAY EXIST WITHIN THE WORK AREA. THE UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION.

ORCHARD AT PLUM CREEK, LLC. KYLE, TX. 78640

JULIA PARKER FAMILY PARTNERSHIP, LTD. N. BURLESON RD. KYLE, TX. 78640

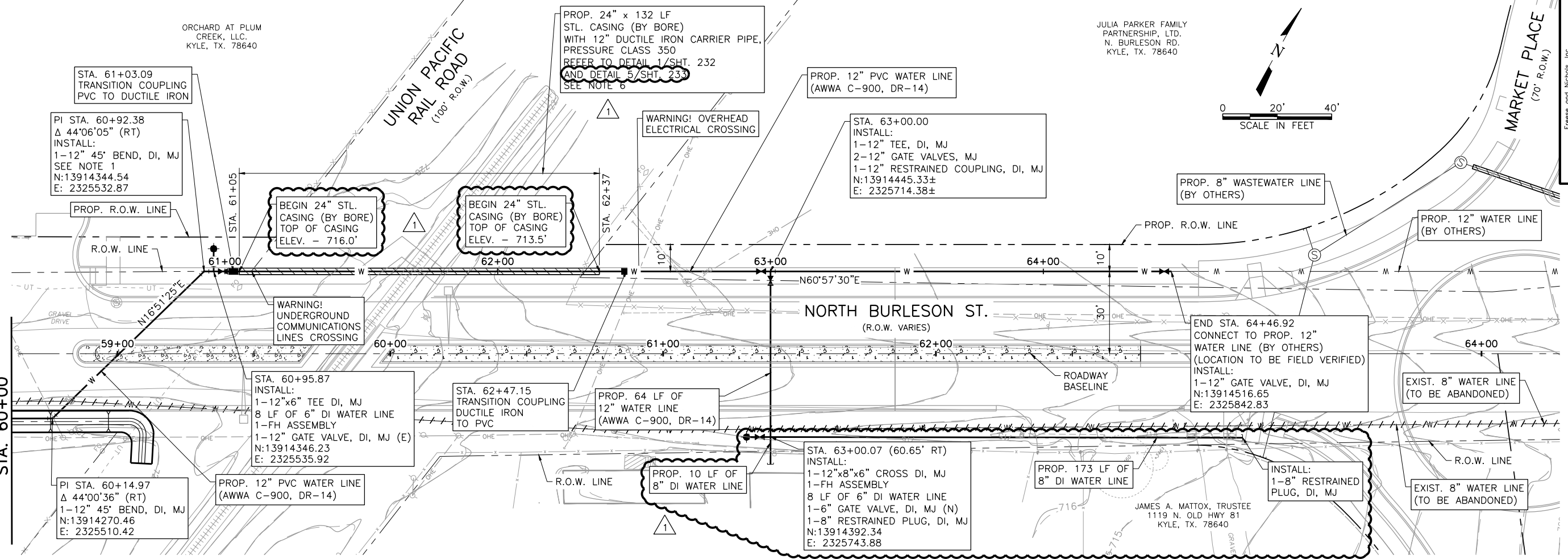
6-22-18
Freese and Nichols, Inc. Texas Registered Engineering Firm F-2144



FRESE NICHOLS
10431 Maraco Circle, Suite 300
Austin, Texas 78759
Phone - (512) 617-3100
Fax - (512) 617-3101
Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
CIVIL
WATER LINE PLAN
STA. 60+00 TO END

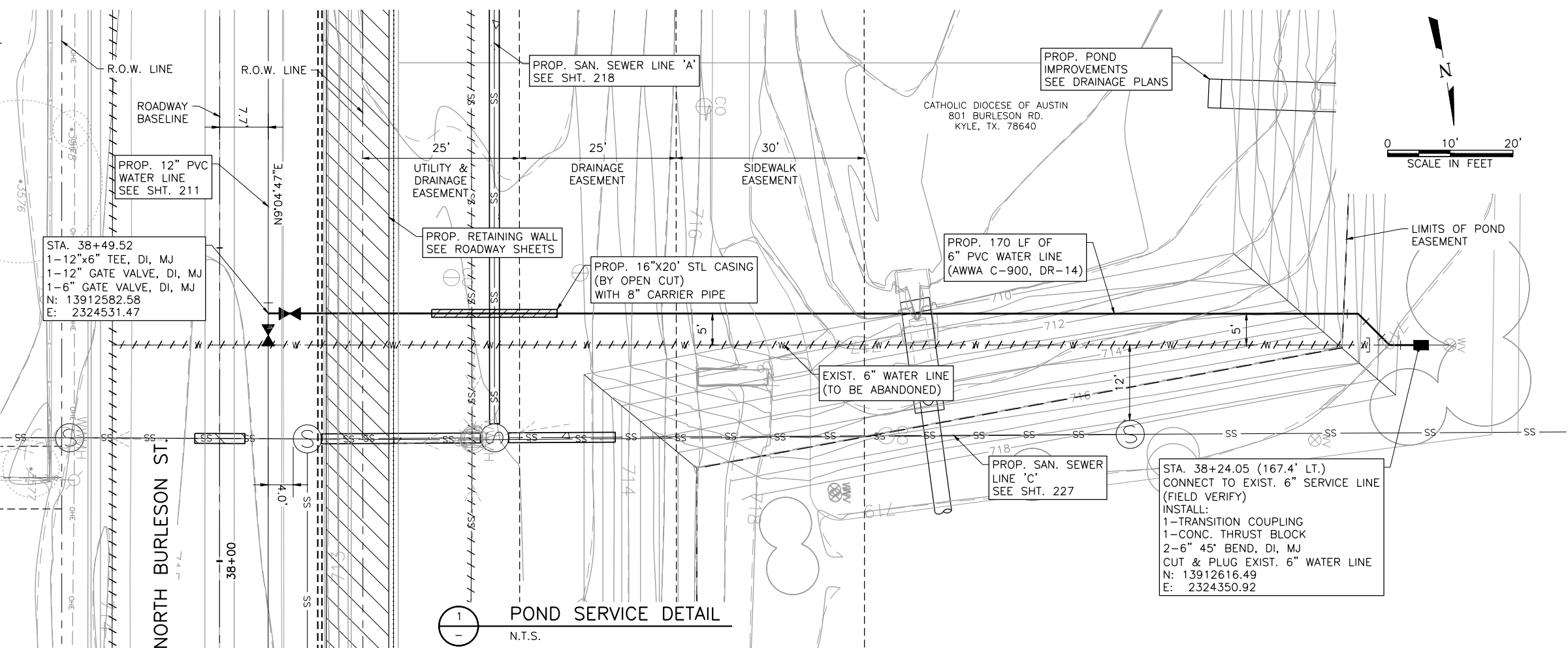
MATCHLINE
STA. 60+00



NOTES:

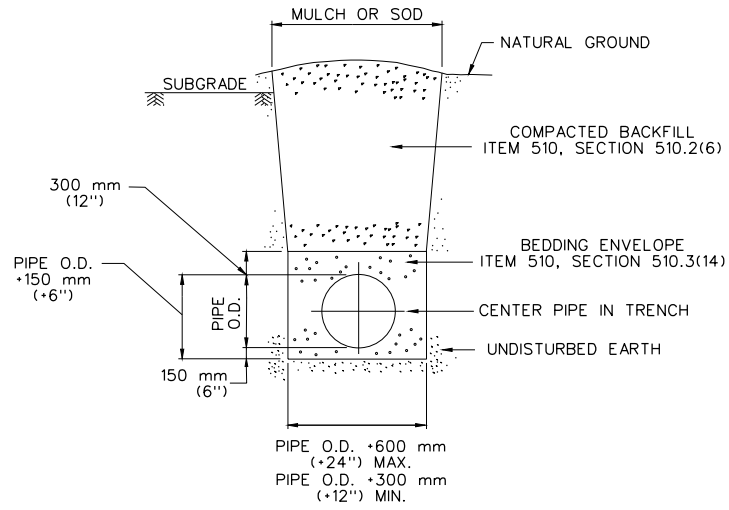
- DEFLECT JOINTS AS REQUIRED TO ACHIEVE GRADES AND BENDS AS SHOWN. ALLOWABLE JOINT DEFLECTION SHALL BE NO GREATER THAN 75% OF PIPE MANUFACTURER'S RECOMMENDED MAXIMUM.
- FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS. WATER LINE TIE-IN LOCATIONS SHOWN NEED TO BE FIELD VERIFIED AND MAY NEED TO BE FIELD ADJUSTED.
- MINIMUM DEPTH OF COVER IS 42" IN NON-PAVED AREAS AND 30" BELOW SUBGRADE IN PAVED AREAS FOR THE PROPOSED WATER LINE.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO BORING.
- CONTRACTOR SHALL LOCATE BORE PITS AROUND EXISTING UTILITIES AND SUPPORT EXISTING UTILITIES AS REQUIRED TO CONSTRUCT THE BORE.
- CONTRACTOR SHALL CONTACT UPRR A MINIMUM OF 2 WEEKS PRIOR TO BEGINNING WORK. MINIMUM STEEL CASING THICKNESS IS 0.400" FOR UPRR CROSSING. MINIMUM DEPTH OF COVER UNDER UPRR IS 72" FOR THE PROPOSED CASING.
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.

CAUTION!!
UNDERGROUND GAS, WATER, ELECTRIC, TELEPHONE, CABLE TV AND OTHER UTILITIES MAY EXIST WITHIN THE WORK AREA. THE UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION.

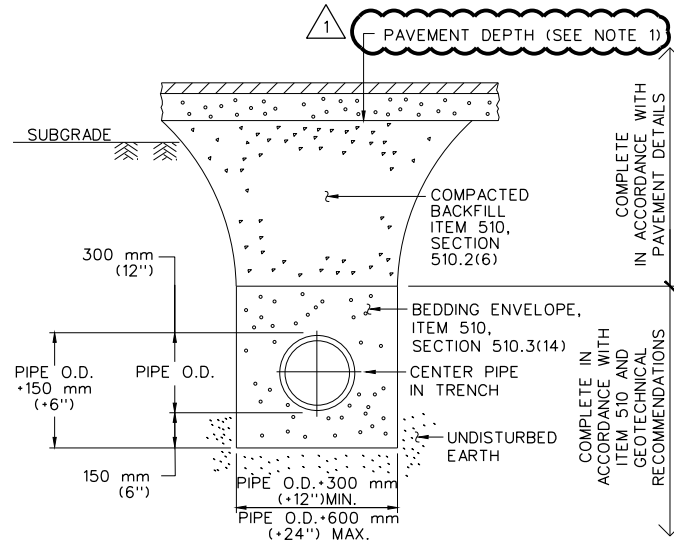


ACAD Ref: 21.0s (LMS Tech)
Filename: N:\WTU\Drawings\WTU-BUR-PP-WL01.dwg
Last Saved: 6/25/2018 11:01 AM Saved By: 07155

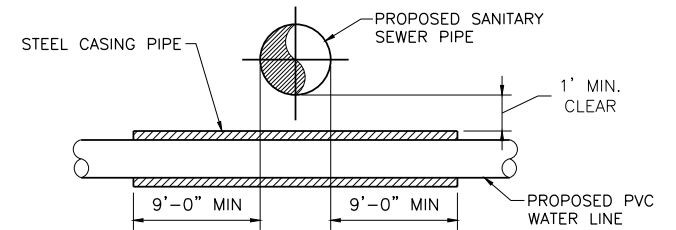
NO.	REVISION	BY	DATE	FILE NAME
1			06/22/18	WTU-BUR-PP-WL01.dwg
ADDENDUM NO. 2 Bar is one inch on original drawing; if not one inch on this sheet, adjust scale.				
SHEET	231			
TOTAL	292			



1 TRENCH DETAIL - UNFINISHED SURFACE
N.T.S.



2 TRENCH DETAIL - FINISHED SURFACE
N.T.S.



WATER LINE PROFILE	
PVC CARRIER PIPE DIAMETER	STEEL CASING PIPE DIAMETER
2"	4"
4"	10"
6"	12"
8"	16"
12"	24"
16"	30"
24"	36"

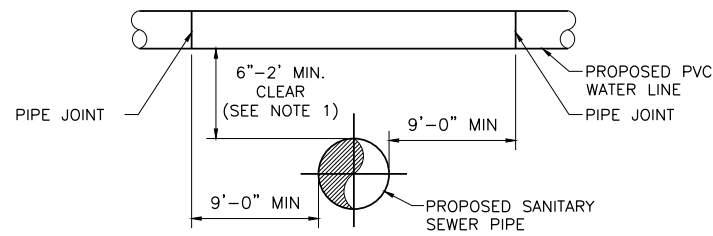
NOTES:

- CARRIER PIPE SHALL BE SUPPORTED AT 5-FOOT (OR LESS) INTERVALS WITH SPACERS.
- EACH END OF THE CASING PIPE SHALL BE SEALED WITH A MANUFACTURED WATER TIGHT SEAL.
- CASING PIPE THICKNESS FOR ALL DIAMETERS SHALL BE 0.375-INCHES.

PROPOSED ENCASED WATER LINE CROSSING UNDER SANITARY SEWER LINE DETAIL (TAC 290.44.E.4.B)

3 N.T.S.

NOTES:
1. FOR PIPE INSTALLED OUTSIDE OF LIMITS OF PAVEMENT DETAILS OR PIPE INSTALLED WITH TEMPORARY PAVEMENT REPAIR PRIOR TO FINAL PAVEMENT PLACEMENT, PAVEMENT REPAIR SHALL MATCH EXISTING WITH A MINIMUM 8" BASE MATERIAL AND 2" ASPHALT.

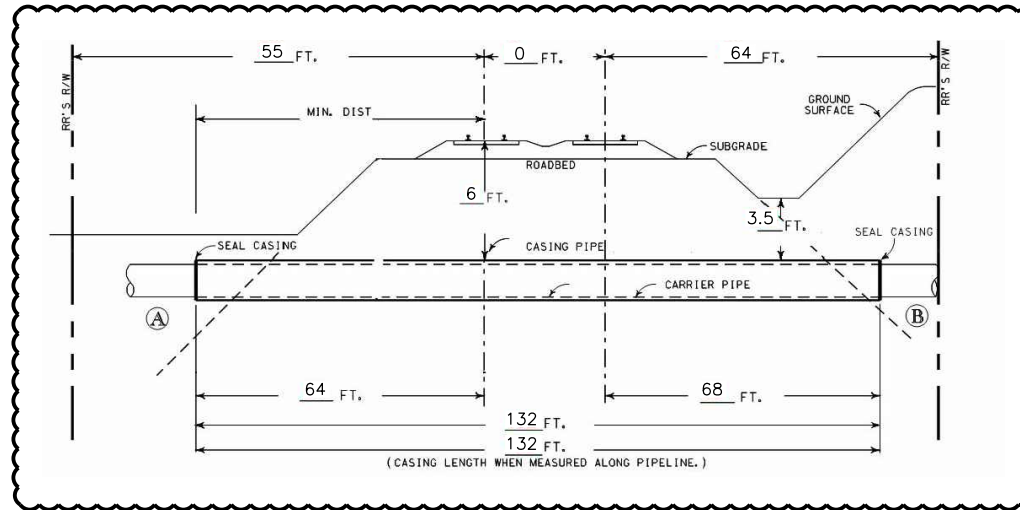


NOTES:

- WHERE A NEW POTABLE WATERLINE CROSSES ABOVE A WASTEWATER MAIN OR LATERAL, THE SEGMENT OF THE WATERLINE PIPE SHALL BE CENTERED OVER AND MUST BE PERPENDICULAR TO THE WASTEWATER MAIN OR LATERAL SUCH THAT THE JOINTS OF THE WATERLINE PIPE ARE EQUIDISTANT AND AT LEAST NINE FEET HORIZONTALLY FROM THE CENTERLINE OF THE WASTEWATER MAIN OR LATERAL. THE POTABLE WATERLINE SHALL BE AT LEAST 24" ABOVE AN EXISTING NON PRESSURE RATED, WASTEWATER MAIN OR LATERAL AND 6" ABOVE AN EXISTING PRESSURE RATED WASTEWATER MAIN OR LATERAL.

PROPOSED WATER LINE CROSSING OVER PROPOSED WASTEWATER MAIN (TAC 290.44.E.4.B.1)

4 N.T.S.



5 UNION PACIFIC - RAILROAD BORING PROFILE
N.T.S.

Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144
6-22-18
ANNE C. HOSKINS
103447
PROFESSIONAL ENGINEER
CIVIL

10431 Marado Circle, Suite 300
Austin, Texas 78759
Phone - (512) 617-3100
Fax - (512) 617-3101
Web - www.freese.com

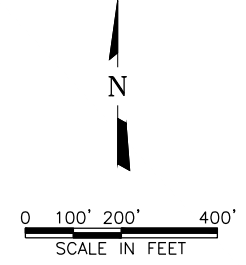
CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
CIVIL
WATER LINE
MISCELLANEOUS DETAILS II

NO.	REVISION	BY	DATE	DESIGNED	SC	DRAWN	DDH	REVISION	CHECKED	FILE NAME
1	ADDENDUM NO. 2	ACH	06/22/18							WTU-BUR-DT-WL02.dwg
Bar is one inch on original drawing; if not one inch on this sheet, adjust scale.										
SHEET 233										
TOTAL 292										

ACAD File: 21.0s (LMS Tech)
Filename: N:\WTU\Drawings\WTU-BUR-DT-WL02.dwg
Last Saved: 6/25/2018 4:25 PM Saved By: 07155

EXIST. GRADE
 704
 700
 696
 692
 FL. 703.58
 002+00.00
 PROP. 8" SAN. SEWER LINE "B"
 SEE SHEET 243

CITY OF KYLE



Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18

FREESE NICHOLS
 10431 Marado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

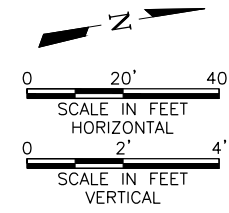
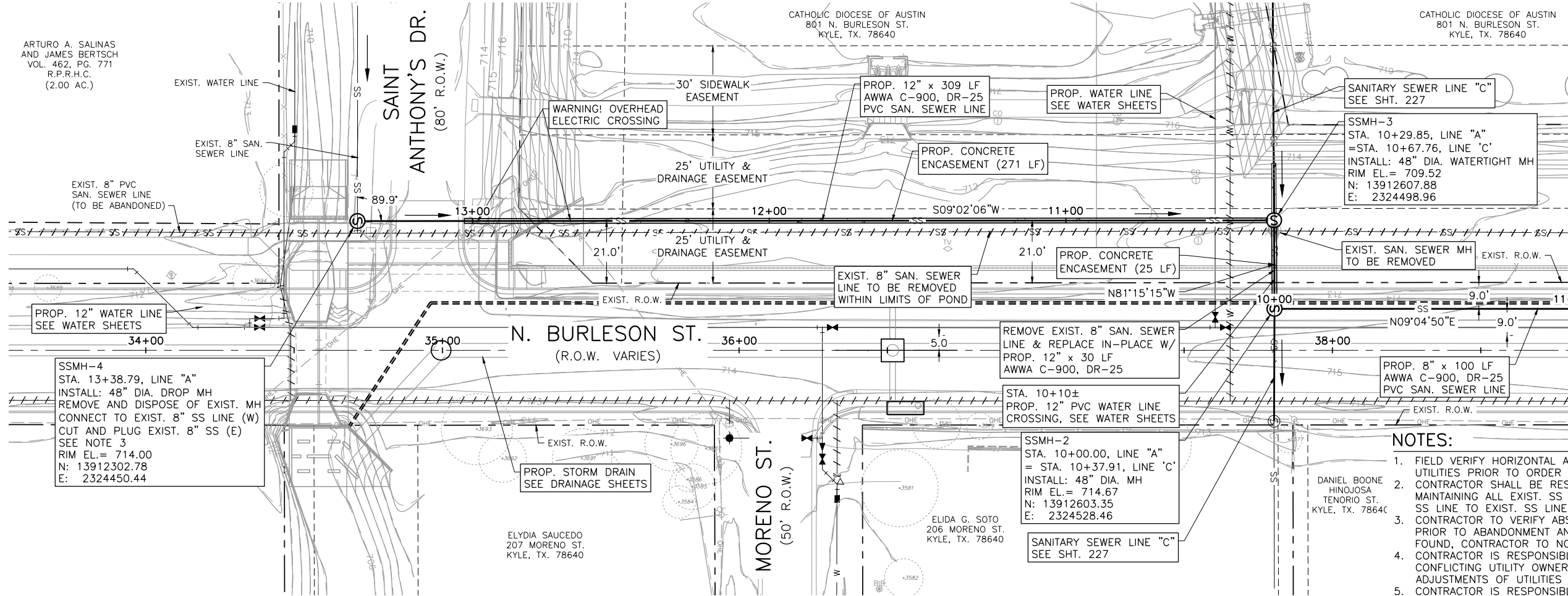
CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
OVERALL SANITARY SEWER PLAN AND KEY MAP

NO.	REVISION	BY	DATE	DESIGNED	SC	DRAWN	DDH	REVISION	DATE	CHECKED	FILE NAME
								ACH	6/22/18		GN-BUR-PL-OVR01.dwg
ADDENDUM 2 VERIFY SCALE Bar is one inch on original drawing; if not one inch on this sheet, adjust scale.											
SHEET										234	
TOTAL										292	

- NOTES:**
- ALL EXISTING UTILITY LOCATIONS ARE BASED ON FIELD INFORMATION AND ON INFORMATION PROVIDED BY THE UTILITY OWNER. OTHER UTILITIES MAY BE IN THE AREA THAT ARE NOT SHOWN. PRIOR TO ANY CONSTRUCTION OR EXCAVATION, THE TEXAS 811 SYSTEM SHALL BE CONTACTED AND UTILITY LOCATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES AND ASCERTAINING WHETHER ANY ADDITIONAL FACILITIES NOT SHOWN ON THE PLANS MAY BE PRESENT.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES, WHETHER IN OR OUT OF THE RIGHT-OF-WAY.
 - ALL TEMPORARY WASTEWATER SERVICE INTERRUPTIONS DURING CONSTRUCTION SHALL BE LIMITED TO 4 HOURS.
 - INSTALLATION OF WASTEWATER UTILITIES OUTSIDE OF THE SPECIFIED CONSTRUCTION PHASING WILL BE ALLOWED IF ENGINEER APPROVED TRAFFIC CONTROL MEASURES ARE IN PLACE. TEMPORARY PAVEMENT REPLACEMENT FOR UTILITIES OUTSIDE OF THE SPECIFIED CONSTRUCTION PHASING WILL BE SUBSIDIARY TO PIPE INSTALLATION BID ITEM.

ACAD_Ret: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\GN-BUR-PL-OVR01.dwg
 Last Saved: 6/25/2018 4:23 PM Saved By: 07155

ARTURO A. SALINAS
AND JAMES BERTSCH
VOL. 462, PG. 771
R.P.R.H.C.
(2.00 AC.)



Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144
6-22-18
ANNIE C. HOSKINS
103447
PROFESSIONAL ENGINEER
CIVIL

10431 Morado Circle, Suite 300
Austin, Texas 78759
Phone - (512) 617-3100
Fax - (512) 617-3101
Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
CIVIL
SANITARY SEWER LINE 'A'
START TO STA. 11+00

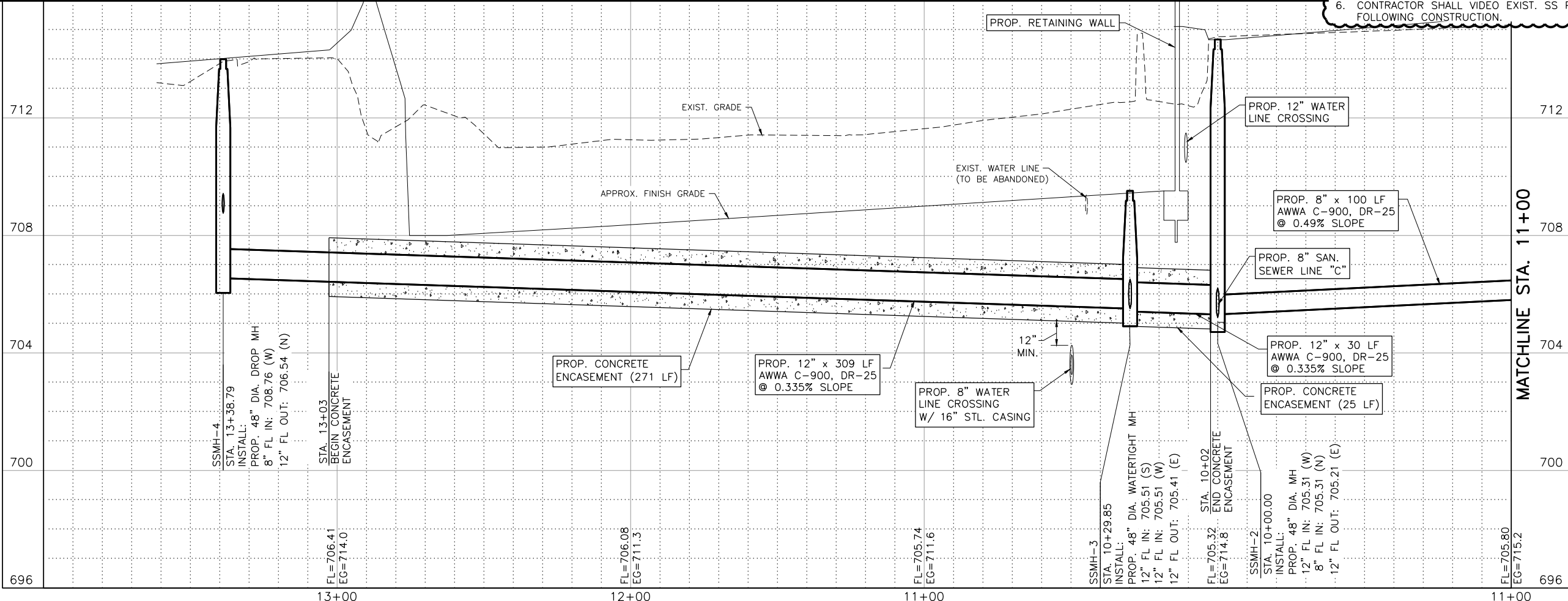
SSMH-4
STA. 13+38.79, LINE "A"
INSTALL: 48" DIA. DROP MH
REMOVE AND DISPOSE OF EXIST. MH
CONNECT TO EXIST. 8" SS LINE (W)
CUT AND PLUG EXIST. 8" SS (E)
SEE NOTE 3
RIM EL.= 714.00
N: 13912302.78
E: 2324450.44

PROP. STORM DRAIN
SEE DRAINAGE SHEETS

SSMH-2
STA. 10+00.00, LINE "A"
= STA. 10+37.91, LINE "C"
INSTALL: 48" DIA. MH
RIM EL.= 714.67
N: 13912603.35
E: 2324528.46

DANIEL BOONE
HINOJOSA
TENORIO ST.
KYLE, TX. 78640

- NOTES:**
1. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXIST. SS FLOWS DURING CONNECTION OF PROP. SS LINE TO EXIST. SS LINE.
 3. CONTRACTOR TO VERIFY ABSENCE OF FLOWS FROM SOUTH SS LINE PRIOR TO ABANDONMENT AND ORDER OF MATERIALS. IF FLOWS ARE FOUND, CONTRACTOR TO NOTIFY ENGINEER AND CITY IMMEDIATELY.
 4. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 5. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 6. CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.



SSMH-4
STA. 13+38.79
INSTALL:
PROP. 48" DIA. DROP MH
8" FL IN: 708.76 (W)
12" FL OUT: 706.54 (N)

STA. 13+03
BEGIN CONCRETE
ENCASEMENT
FL=706.41
EG=714.0

PROP. CONCRETE
ENCASEMENT (271 LF)

PROP. 12" x 309 LF
AWWA C-900, DR-25
@ 0.335% SLOPE

PROP. 8" WATER
LINE CROSSING
W/ 16" STL. CASING
12" MIN.

PROP. 12" x 30 LF
AWWA C-900, DR-25
@ 0.335% SLOPE

PROP. CONCRETE
ENCASEMENT (25 LF)

SSMH-3
STA. 10+29.85
INSTALL:
PROP. 48" DIA. WATERTIGHT MH
12" FL IN: 705.51 (S)
12" FL IN: 705.51 (W)
12" FL OUT: 705.41 (E)

STA. 10+02
END CONCRETE
ENCASEMENT
FL=705.32
EG=714.8

SSMH-2
STA. 10+00.00
INSTALL:
PROP. 48" DIA. MH
12" FL IN: 705.31 (W)
8" FL IN: 705.31 (N)
12" FL OUT: 705.21 (E)

PROP. 8" x 100 LF
AWWA C-900, DR-25
@ 0.49% SLOPE

PROP. 8" SAN.
SEWER LINE "C"

PROP. 12" WATER
LINE CROSSING

NO.	REVISION	BY	DATE	F&N JOB NO.	DATE	DESIGNED	SC	DRAWN	DDH	REVISION	CHECKED	ERB	FILE NAME
				KYL14284	6/25/2018								WTU-BUR-PP-SS01.dwg

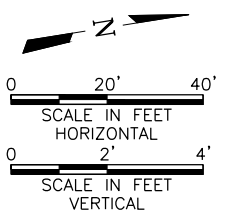
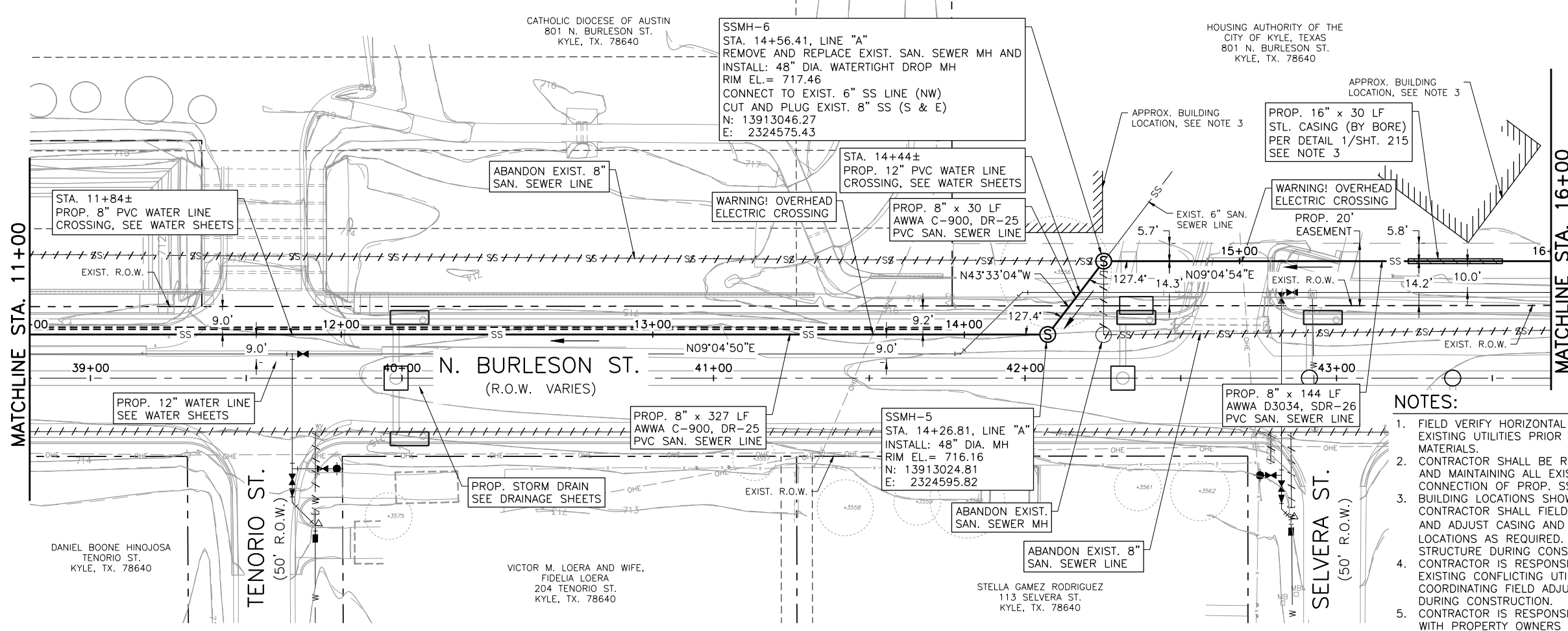
ADDITIONAL NO. 2
VERIFY SCALE
0
Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET TOTAL 235

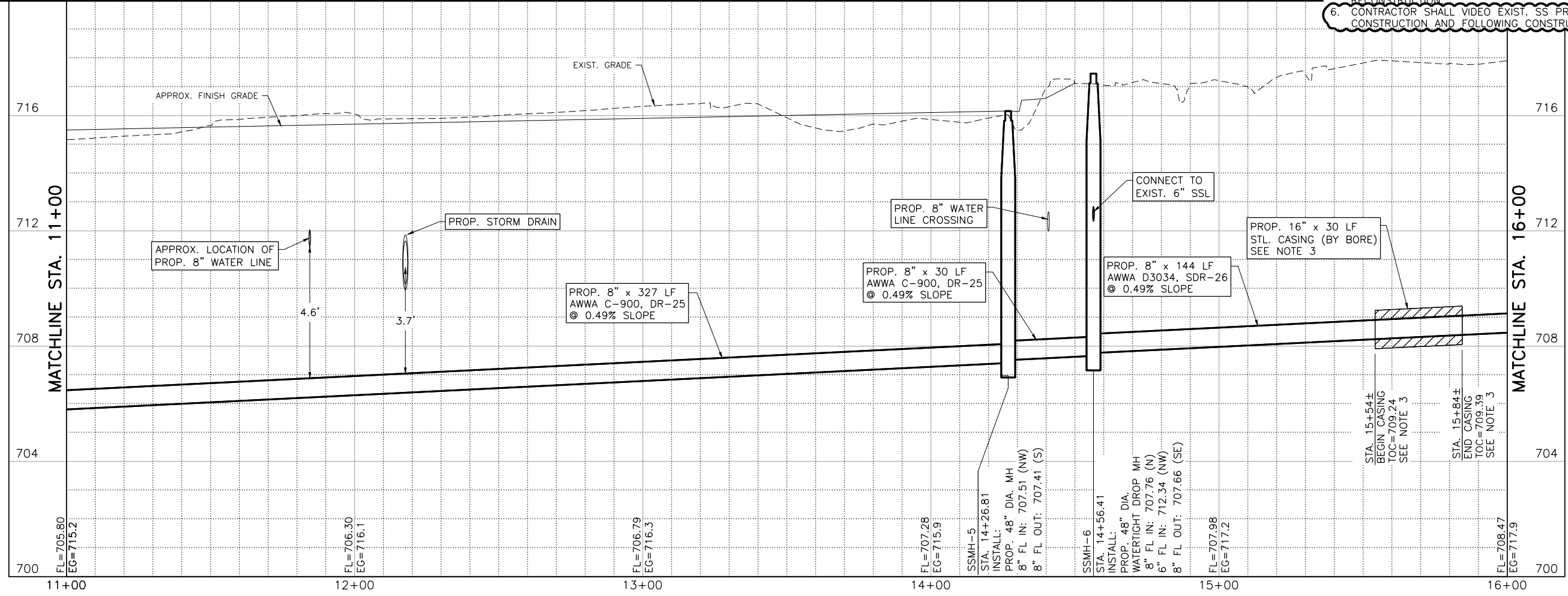
TOTAL 292

ACAD: Rel: 21.0s (LMS Tech)
Filename: N:\WTU\Drawings\WTU-BUR-PP-SS01.dwg
Last Saved: 6/22/2018 4:27 PM Saved By: 02618

ACAD: Rel: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\WTU-BUR-PP-SS01.dwg
 Last Saved: 6/22/2018 4:27 PM Saved By: 02618



- NOTES:**
1. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXIST. SS FLOWS DURING CONNECTION OF PROP. SS LINE TO EXIST. SS LINE.
 3. BUILDING LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY BUILDING LOCATION, AND ADJUST CASING AND BORE START/STOP LOCATIONS AS REQUIRED. SUPPORT/PROTECT EXIST. STRUCTURE DURING CONSTRUCTION.
 4. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 5. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 6. CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.



Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18

FRESE NICHOLS
 10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

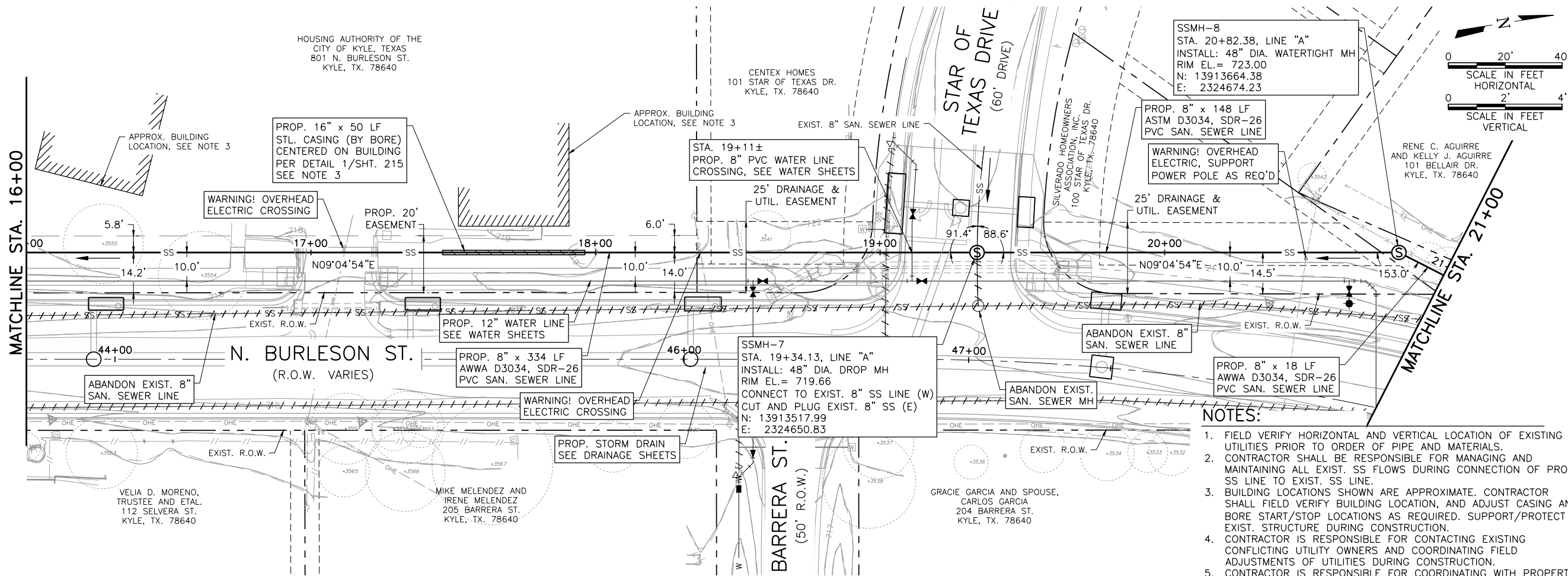
CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
SANITARY SEWER LINE 'A'
 STA. 11+00 TO STA. 16+00

NO.	REVISION	BY	DATE	APP. JOB NO.	DATE	DESIGNED	DRAWN	REVISION	CHECKED	FILE NAME
1				KYL14284	6/25/2018	EJC	KV		ERB	WTU-BUR-PP-SS01.dwg
2		ACH	06/22/18							

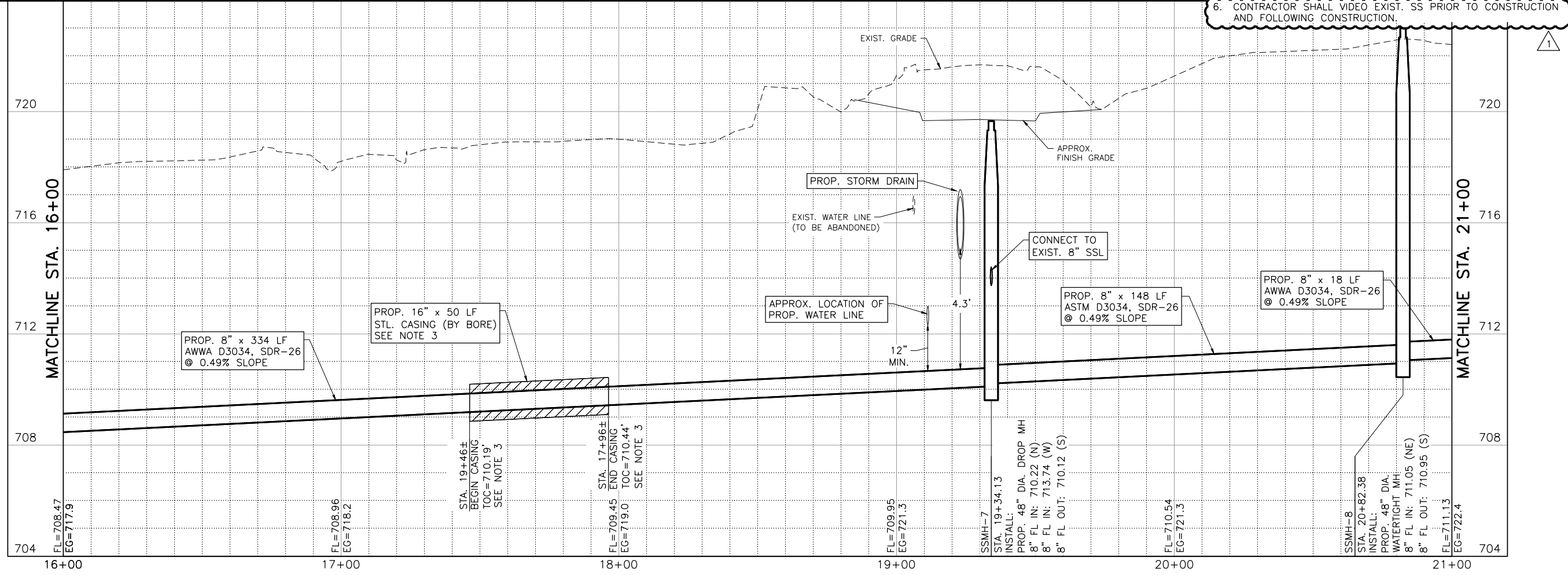
ADDITIONAL NO. 2
 Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.

SHEET **236**
 TOTAL 292

ACAD: Rel: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\WTU-BUR-PP-SS01.dwg
 Last Saved: 6/22/2018 4:27 PM Saved By: 02618



- NOTES:**
1. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXIST. SS FLOWS DURING CONNECTION OF PROP. SS LINE TO EXIST. SS LINE.
 3. BUILDING LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY BUILDING LOCATION, AND ADJUST CASING AND BORE START/STOP LOCATIONS AS REQUIRED. SUPPORT/PROTECT EXIST. STRUCTURE DURING CONSTRUCTION.
 4. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 5. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 6. CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.



HOUSING AUTHORITY OF THE CITY OF KYLE, TEXAS
 801 N. BURLESON ST.
 KYLE, TX. 78640

CENTEX HOMES
 101 STAR OF TEXAS DR.
 KYLE, TX. 78640

SILVERADO HOMEOWNERS ASSOCIATION, INC.
 100 STAR OF TEXAS DR.
 KYLE, TX. 78640

RENE C. AGUIRRE AND KELLY J. AGUIRRE
 101 BELLAIR DR.
 KYLE, TX. 78640

VELIA D. MORENO, TRUSTEE AND ETAL.
 112 SELVERA ST.
 KYLE, TX. 78640

MIKE MELENDEZ AND IRENE MELENDEZ
 205 BARRERA ST.
 KYLE, TX. 78640

GRACIE GARCIA AND SPOUSE,
 CARLOS GARCIA
 204 BARRERA ST.
 KYLE, TX. 78640

SSMH-8
 STA. 20+82.38, LINE "A"
 INSTALL: 48" DIA. WATERTIGHT MH
 RIM EL. = 723.00
 N: 13913664.38
 E: 2324674.23

PROP. 8" x 148 LF
 ASTM D3034, SDR-26
 PVC SAN. SEWER LINE

WARNING! OVERHEAD
 ELECTRIC, SUPPORT
 POWER POLE AS REQ'D

SCALE IN FEET
 HORIZONTAL
 0 20' 40'

SCALE IN FEET
 VERTICAL
 0 2' 4'

6-22-18

Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144

ANNIE C. HOSKINS
 103447
 PROFESSIONAL ENGINEER

FRESE NICHOLS

10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

CITY OF KYLE, TEXAS

N. BURLESON ST. IMPROVEMENTS

CIVIL

SANITARY SEWER LINE 'A'

STA. 16+00 TO STA. 21+00

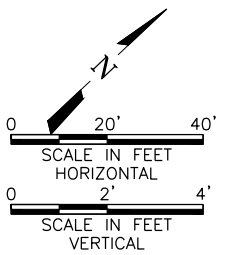
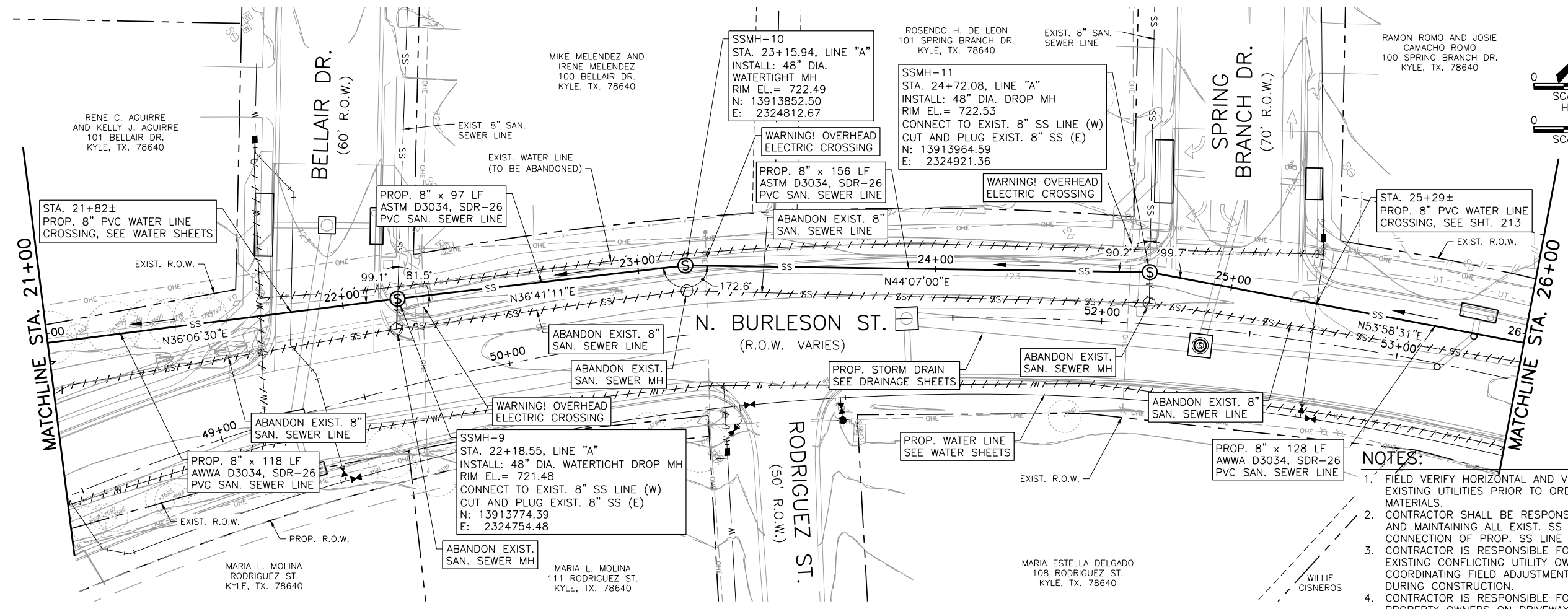
NO.	REVISION	BY	DATE	DESIGNED	DRAWN	CHECKED	FILE NAME
1	ADDENDUM NO. 2	ACH	06/22/18	SC	DDH	ERB	WTU-BUR-PP-SS01.dwg
0	VERIFY SCALE						Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET **237**

TOTAL 292

ACAD: Rel: 21.0s (LMS Tech)
 File: N:\WTU\Drawings\WTU-BUR-PP-SS01.dwg
 Last Saved: 6/22/2018 4:27 PM
 Saved By: 02618

Plot Date: 6/25/2018 12:46 PM Plot By: 07155 File: N:\WTU\Drawings\WTU-BUR-PP-SS01.dwg

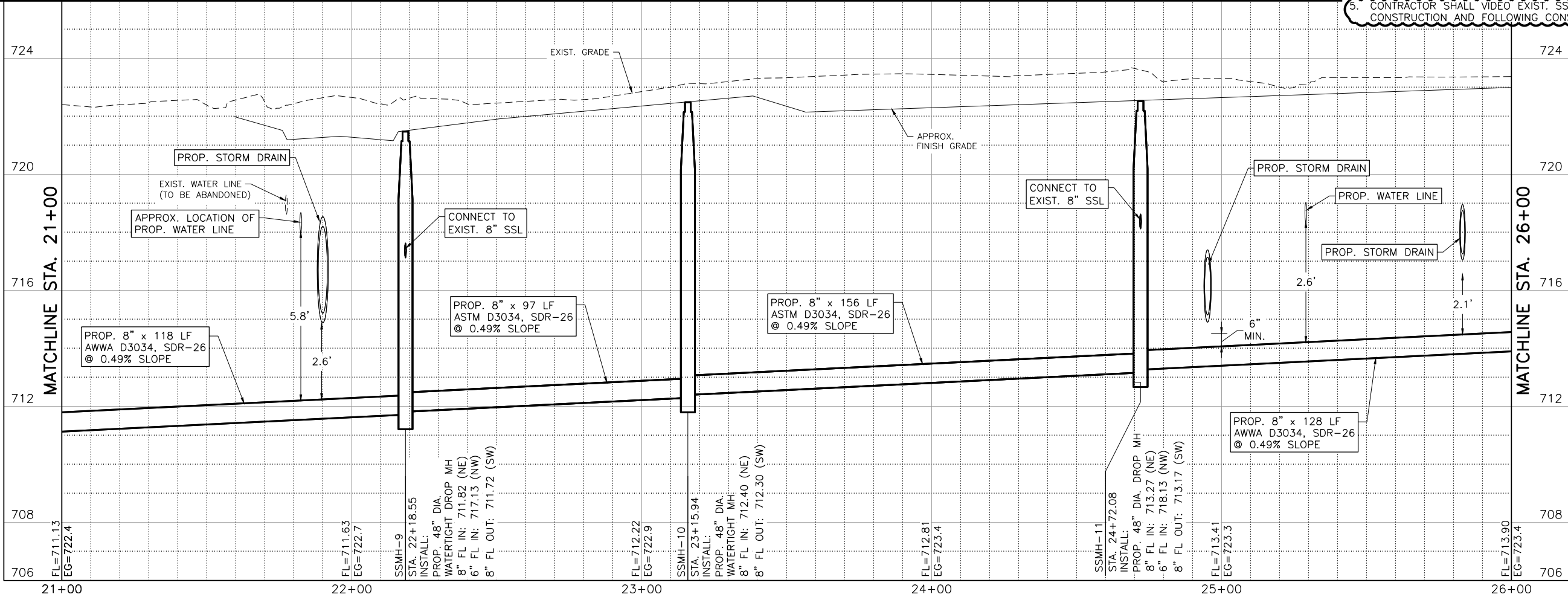


Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18

FRESE NICHOLS
 10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
SANITARY SEWER LINE 'A'
 STA. 21+00 TO STA. 26+00

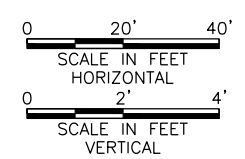
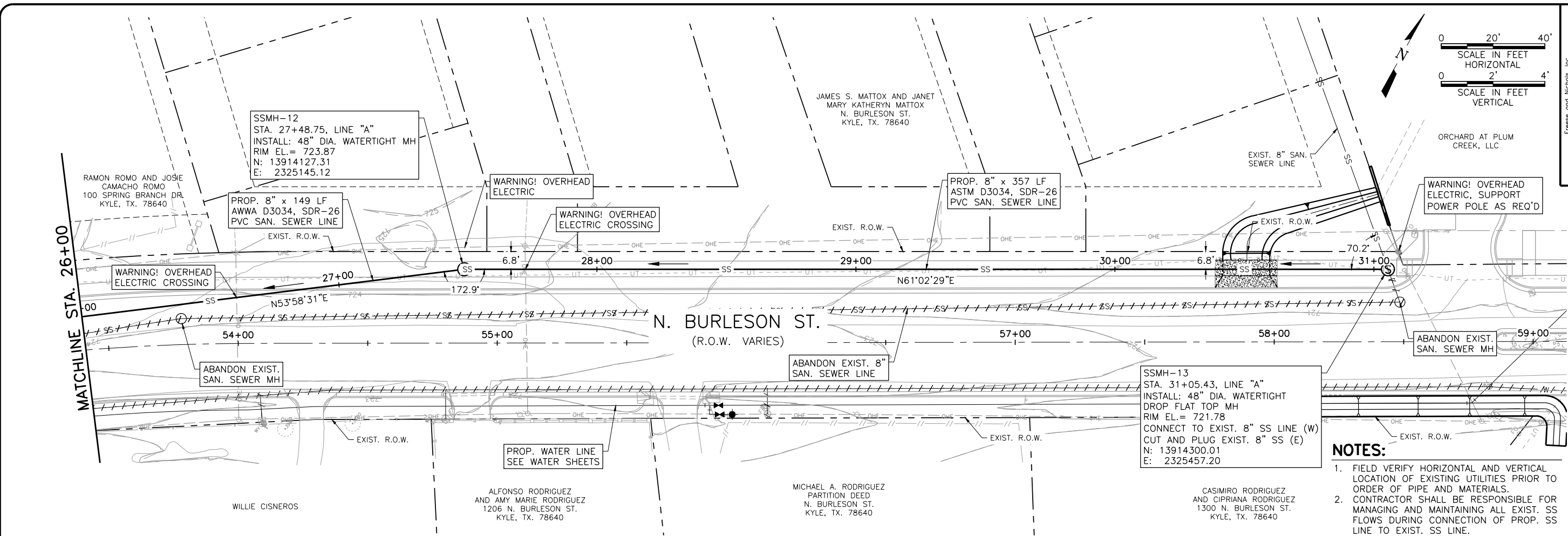
- NOTES:**
1. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXIST. SS FLOWS DURING CONNECTION OF PROP. SS LINE TO EXIST. SS LINE.
 3. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 5. CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.



NO.	REVISION	BY	DATE	APP. NO.	DATE	FILE NAME
1	ADDENDUM NO. 2	ACH	06/22/18	REVISED	06/22/18	WTU-BUR-PP-SS01.dwg
0	VERIFY SCALE			CHECKED		
0	Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.			ERB		

SHEET **238**
 TOTAL 292

ACAD: Rel: 21.0s (LMS Tech)
 File Name: N:\WTU\Drawings\WTU-BUR-PP-SS01.dwg
 Last Saved: 6/22/2018 4:27 PM Saved By: 02618



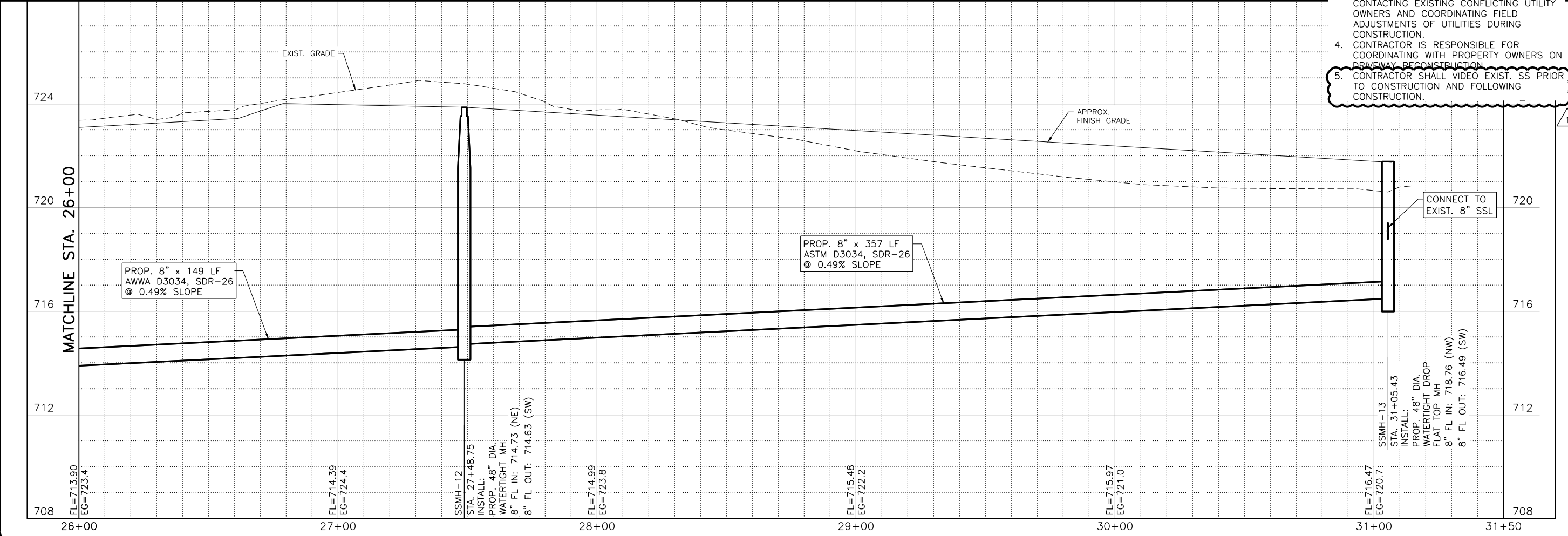
Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18

 ANNE C. HOSKINS
 103447
 PROFESSIONAL ENGINEER
 STATE OF TEXAS

FRESE NICHOLS
 10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

CITY OF KYLE, TEXAS
 CIVIL
N. BURLESON ST. IMPROVEMENTS
SANITARY SEWER LINE 'A'
STA. 26+00 TO END

- NOTES:**
1. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXIST. SS FLOWS DURING CONNECTION OF PROP. SS LINE TO EXIST. SS LINE.
 3. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 5. CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.

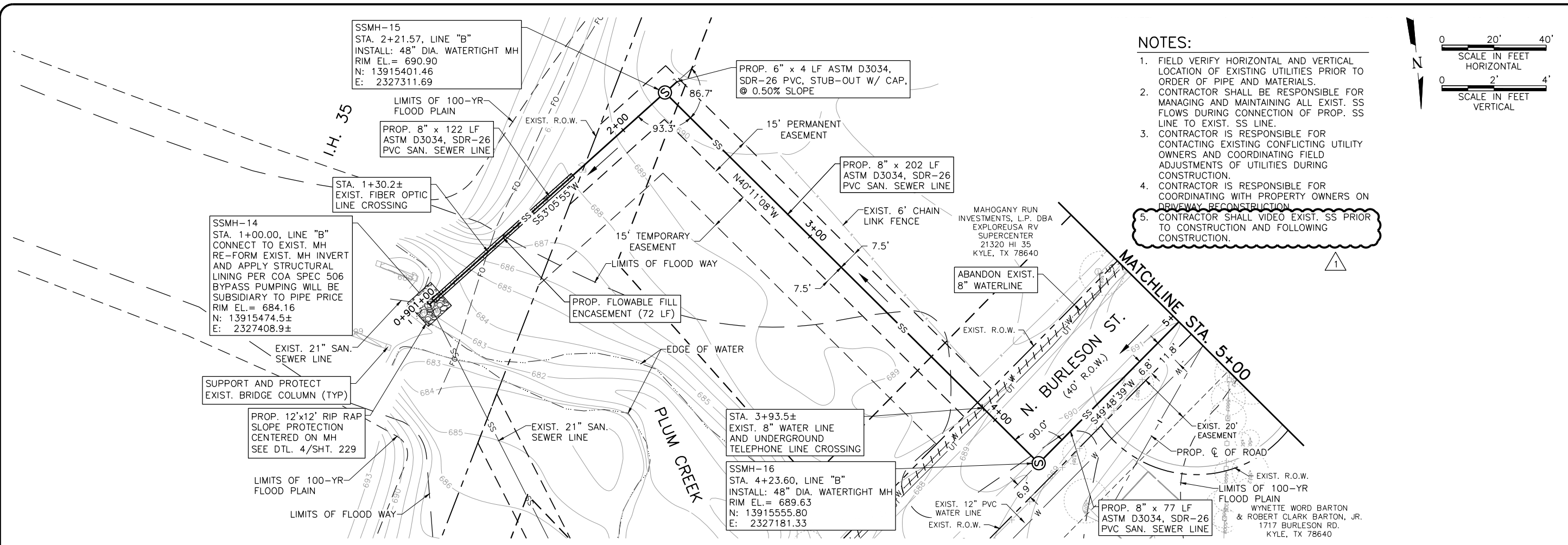


NO.	REVISION	BY	DATE	DESIGNED	DRAWN	REVISION	CHECKED	FILE NAME
1		ACH	06/22/18	SC	DDH	0		WTU-BUR-PP-SS01.dwg

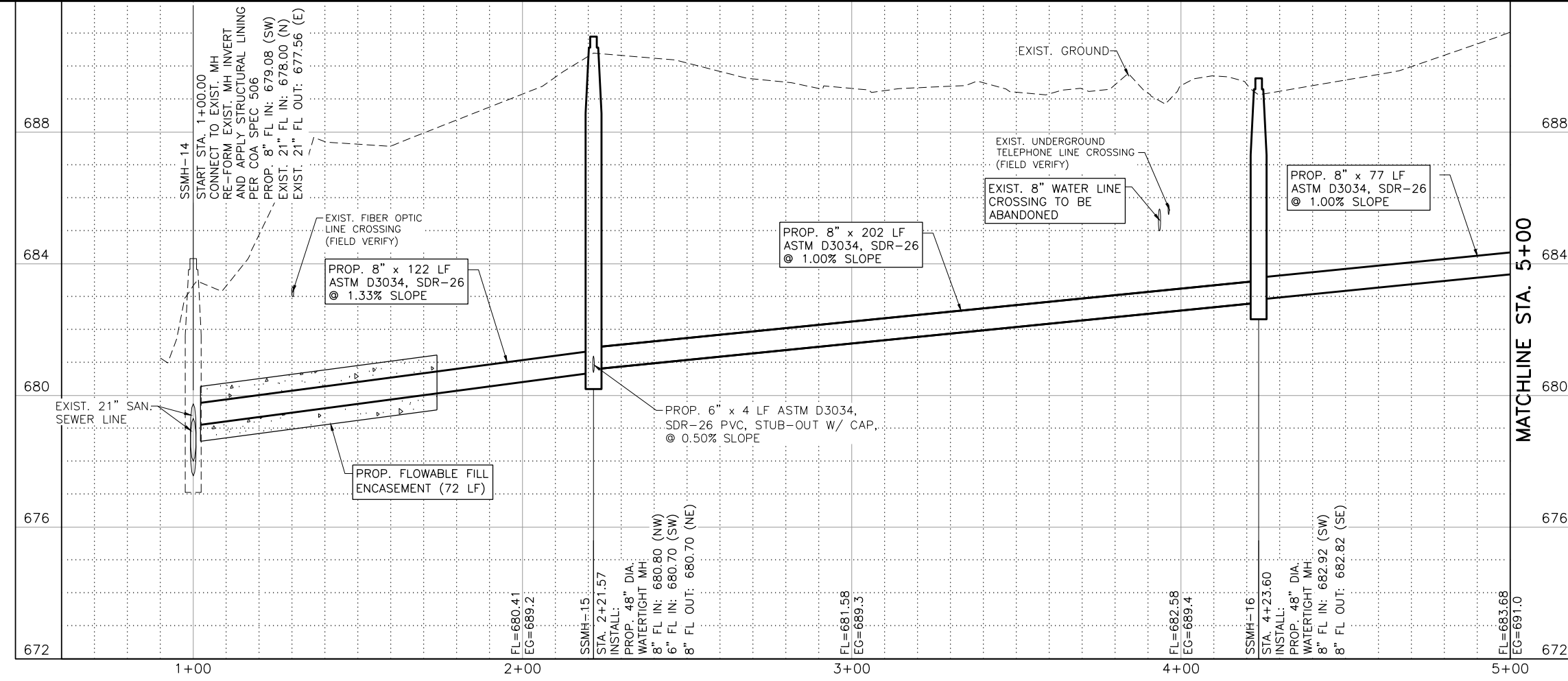
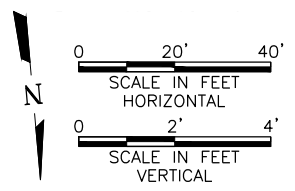
ADDITIONAL NO. 2
 Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.

SHEET **239**
 TOTAL 292

ACAD File: 21.0s (LMS Tech)
 File Name: N:\WTU\Drawings\WTU-BUR-PP-SS02.dwg
 Last Saved: 6/25/2018 11:10 AM Saved By: 02524



- NOTES:**
1. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXIST. SS FLOWS DURING CONNECTION OF PROP. SS LINE TO EXIST. SS LINE.
 3. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 5. CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.



Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18

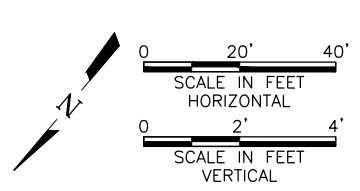
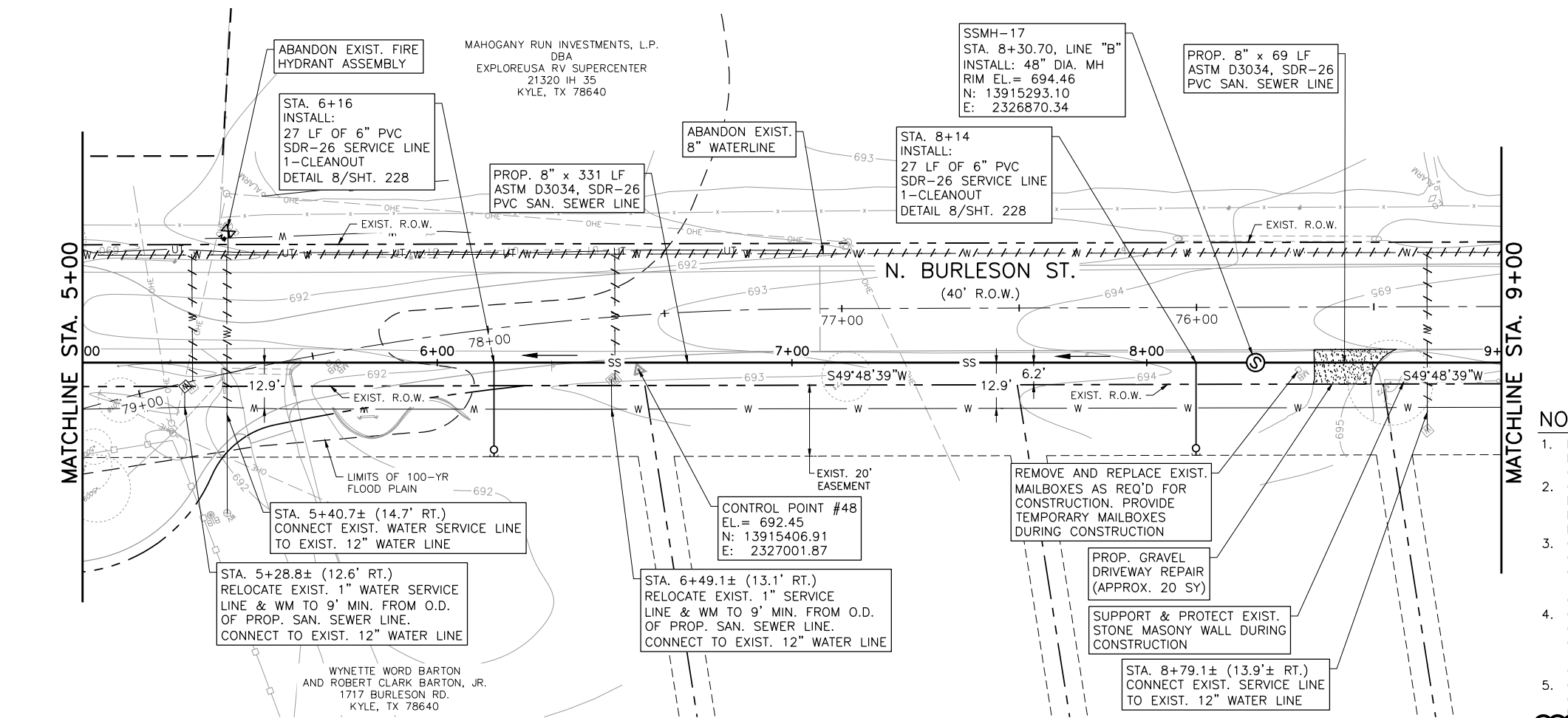
 ANNE C. HOSKINS
 103447
 PROFESSIONAL ENGINEER
 STATE OF TEXAS

FREES & NICHOLS
 10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

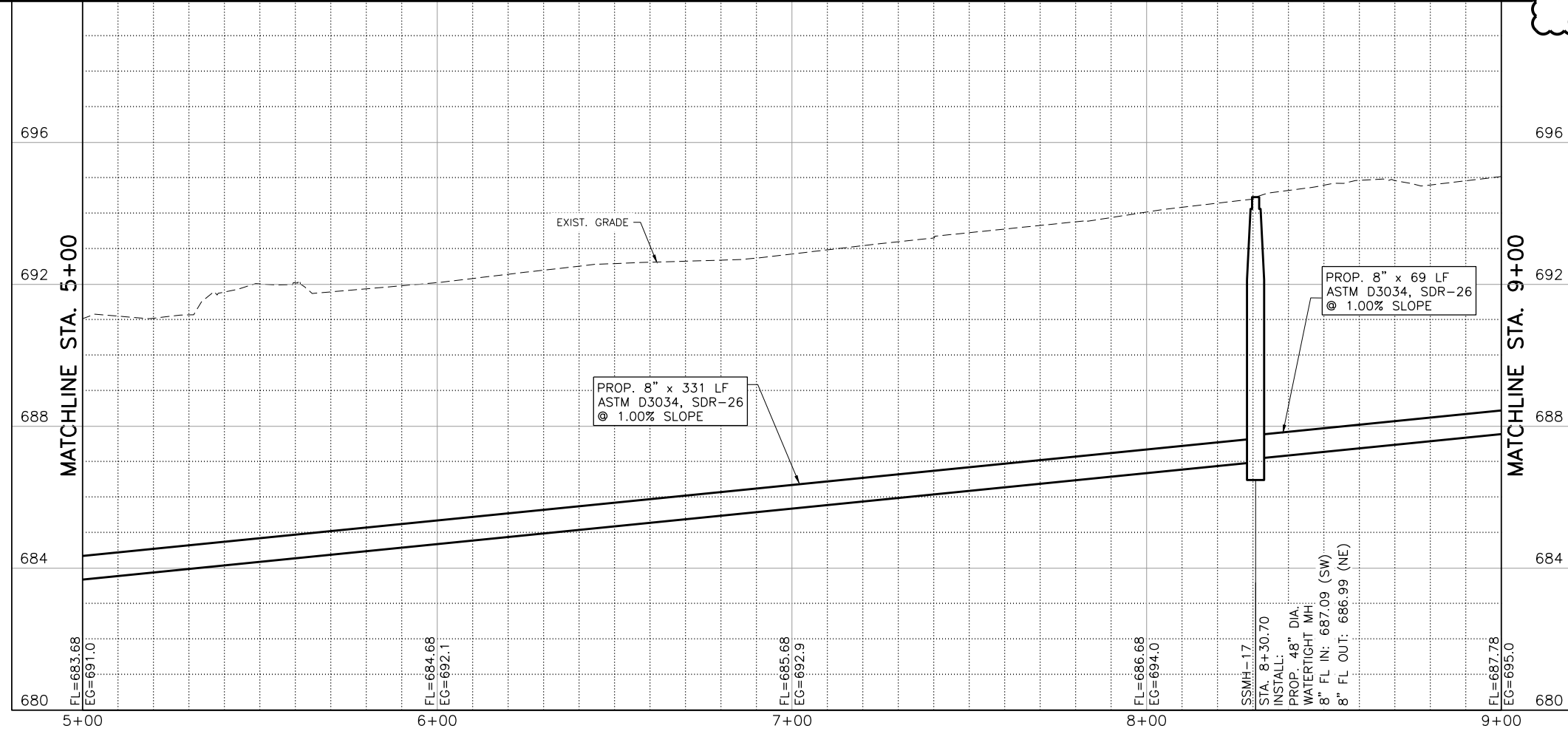
CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
SANITARY SEWER LINE 'B'
STA. 1+00 TO STA. 5+00

NO.	REVISION	BY	DATE	APP. JOB NO.	DATE	DESIGNED	SC	DRAWN	DDH	REVISION	CHECKED	ERB
				KYL14284	6/25/2018					06/22/18		
ADDENDUM NO. 2 Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.												
SHEET											240	
TOTAL											292	

ACAD File: 21.0s (LMS Tech)
 File Name: N:\WTU\Drawings\WTU-BUR-PP-SS02.dwg
 Last Saved: 6/25/2018 11:10 AM Saved By: 02524



- NOTES:**
1. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXIST. SS FLOWS DURING CONNECTION OF PROP. SS LINE TO EXIST. SS LINE.
 3. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 4. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 5. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 6. CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.



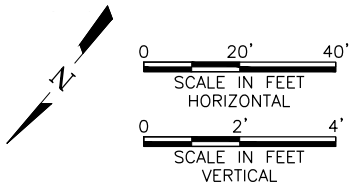
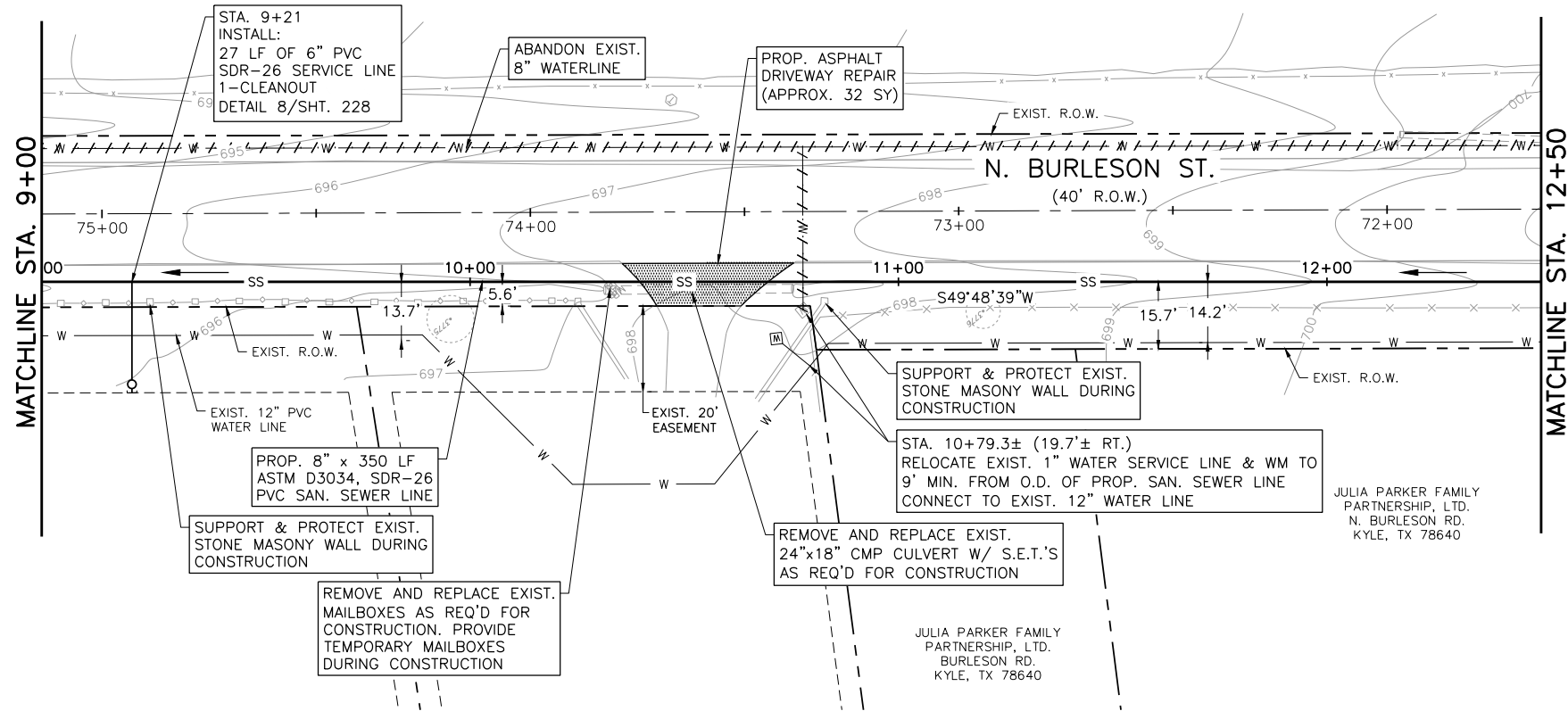
Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18

FREES & NICHOLS
 10431 Marado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
SANITARY SEWER LINE 'B'
STA. 5+00 TO STA. 9+00

NO.	REVISION	BY	DATE	APP. JOB NO.	DATE	DESIGNED	SC	DRAWN	DDH	REVISION	CHECKED	ERB
				KYL14284	6/25/2018					06/22/18		
ADDENDUM NO. 2 VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.												
SHEET											241	
TOTAL											292	

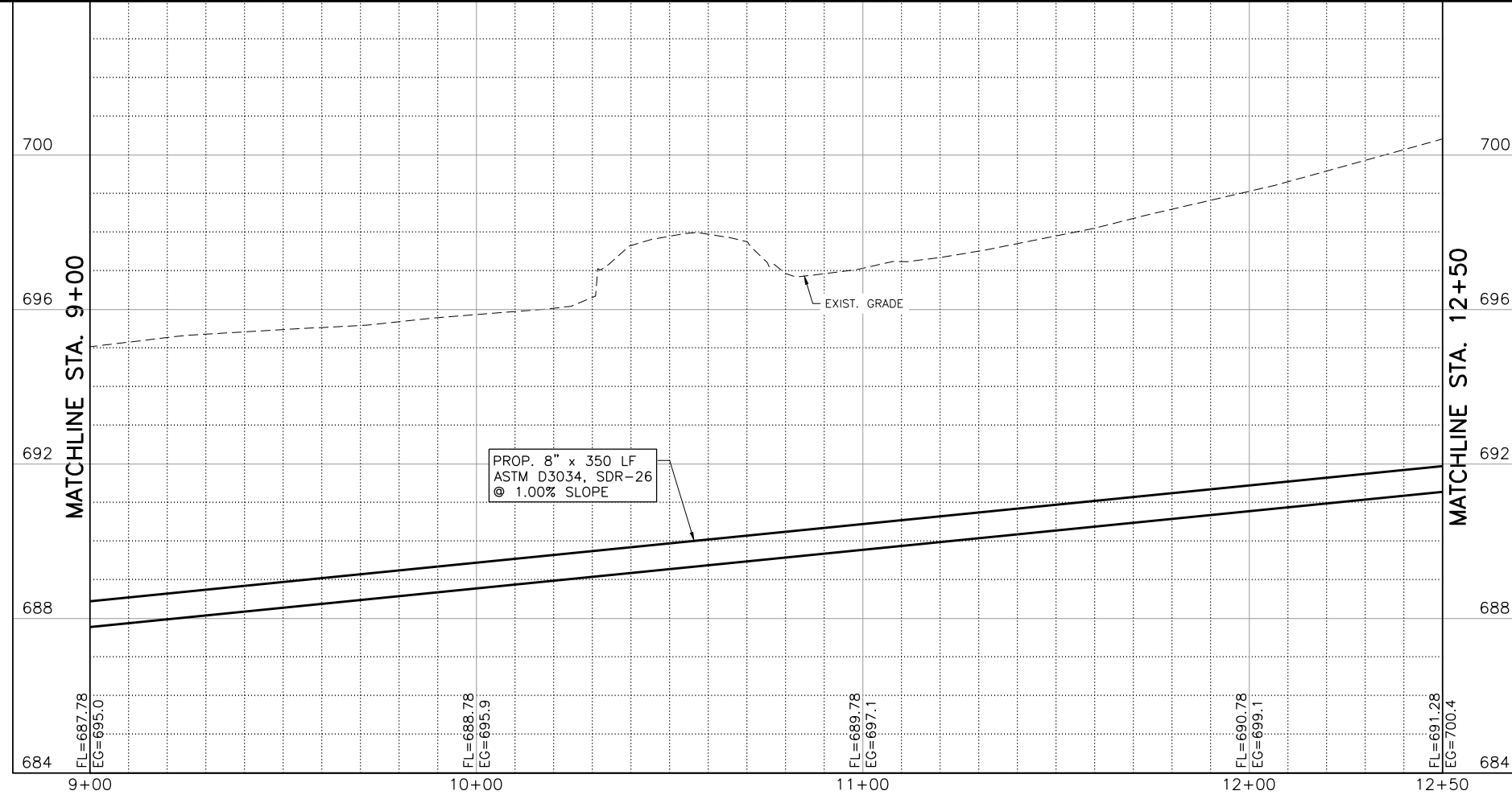
MAHOGANY RUN INVESTMENTS, L.P.
 DBA
 EXPLOREUSA RV SUPERCENTER
 21320 IH 35
 KYLE, TX 78640



Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144
 6-22-18
 ANNE C. HOSKINS
 103447
 PROFESSIONAL ENGINEER
 CIVIL

FRESE NICHOLS
 10431 Marado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

- NOTES:**
1. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXIST. SS FLOWS DURING CONNECTION OF PROP. SS LINE TO EXIST. SS LINE.
 3. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
 4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
 5. CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.

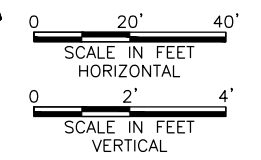
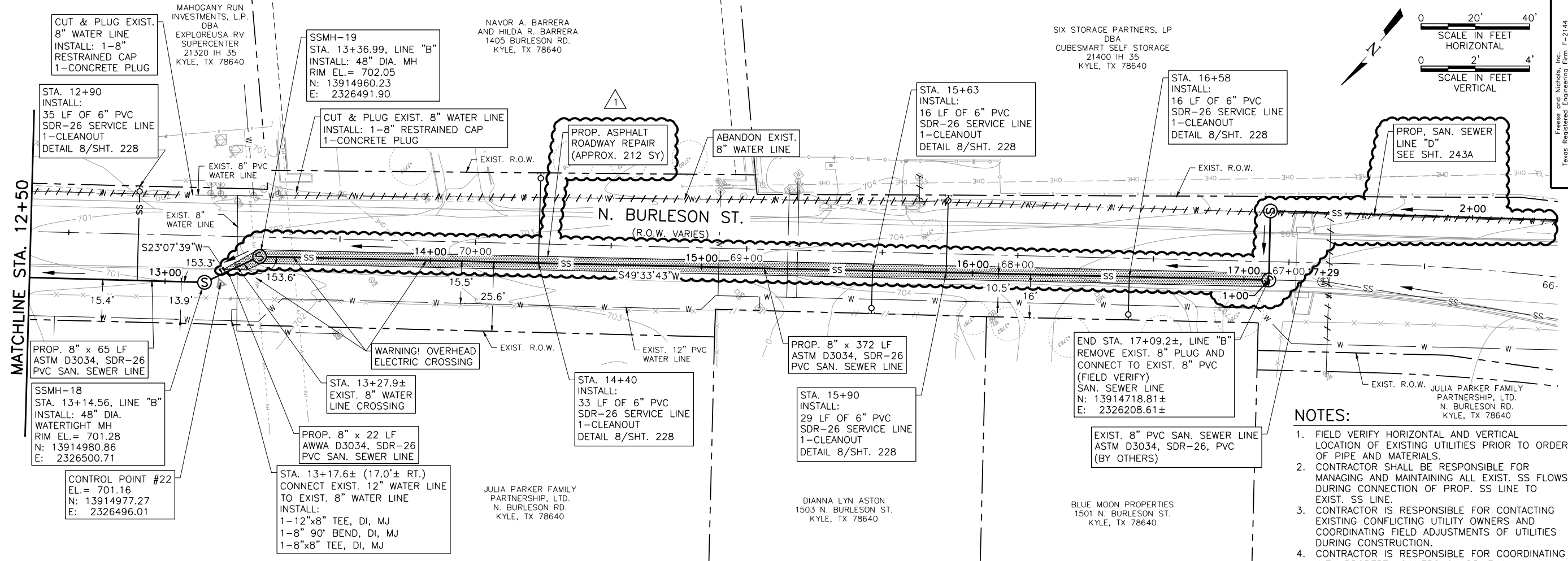


CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
 CIVIL
SANITARY SEWER LINE 'B'
 STA. 9+00 TO STA. 12+50

NO.	REVISION	BY	DATE	DATE	FILE NAME
				06/22/18	WTU-BUR-PP-SS02.dwg
		ACH	06/22/18	REVISION	
				DESIGNED	SC
				DRAWN	DDH
				CHECKED	ERB
				FILE NAME	
				ADDENDUM NO. 2	
				VERIFY SCALE	
				Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.	
SHEET 242					
TOTAL 292					

ACAD Ref: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\WTU-BUR-PP-SS02.dwg
 Last Saved: 6/25/2018 11:10 AM Saved By: 02524

ACAD File: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\WTU-BUR-PP-SS02.dwg
 Last Saved: 6/25/2018 4:38 PM Saved By: 07155



MATCHLINE STA. 12+50

MATCHLINE STA. 12+50

12+50

13+00

14+00

15+00

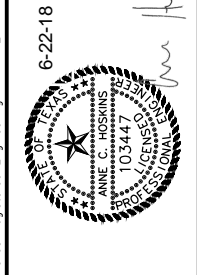
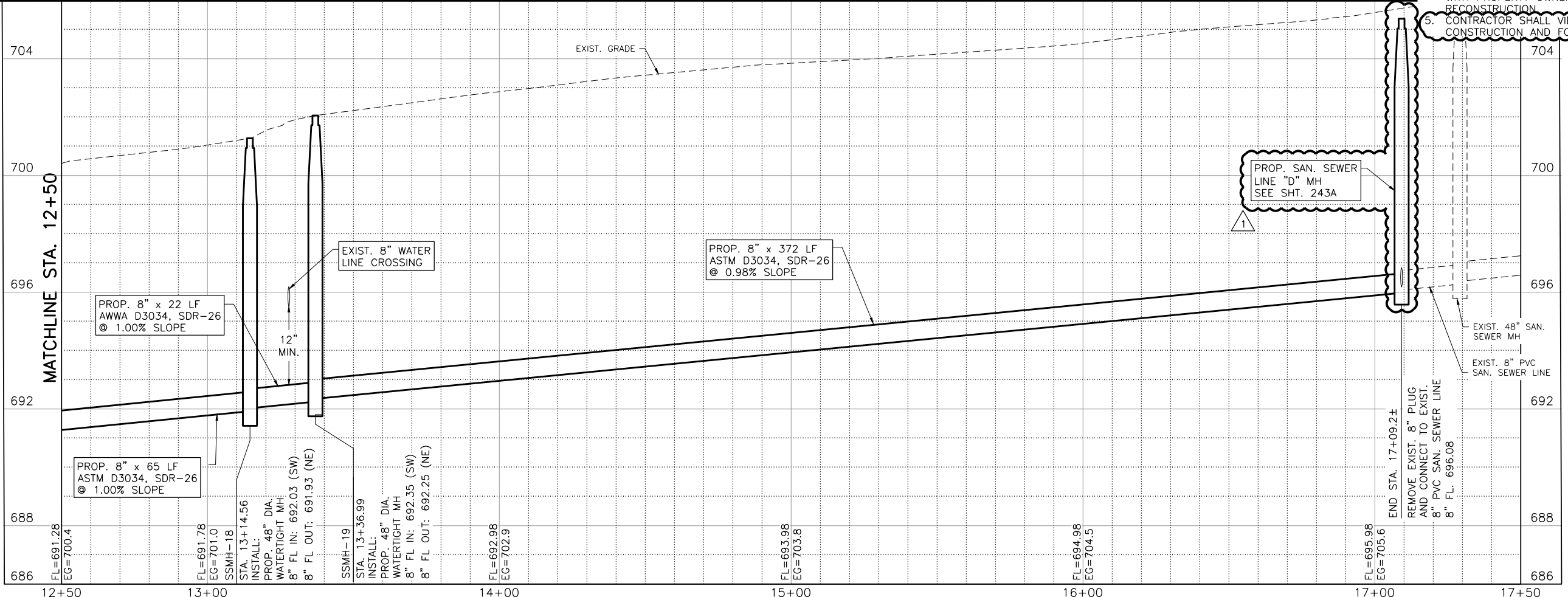
16+00

17+00

17+50

NOTES:

1. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXIST. SS FLOWS DURING CONNECTION OF PROP. SS LINE TO EXIST. SS LINE.
3. CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
5. CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.

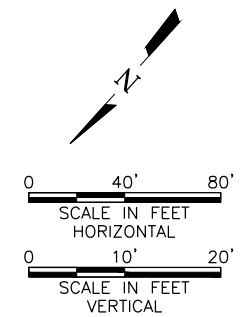
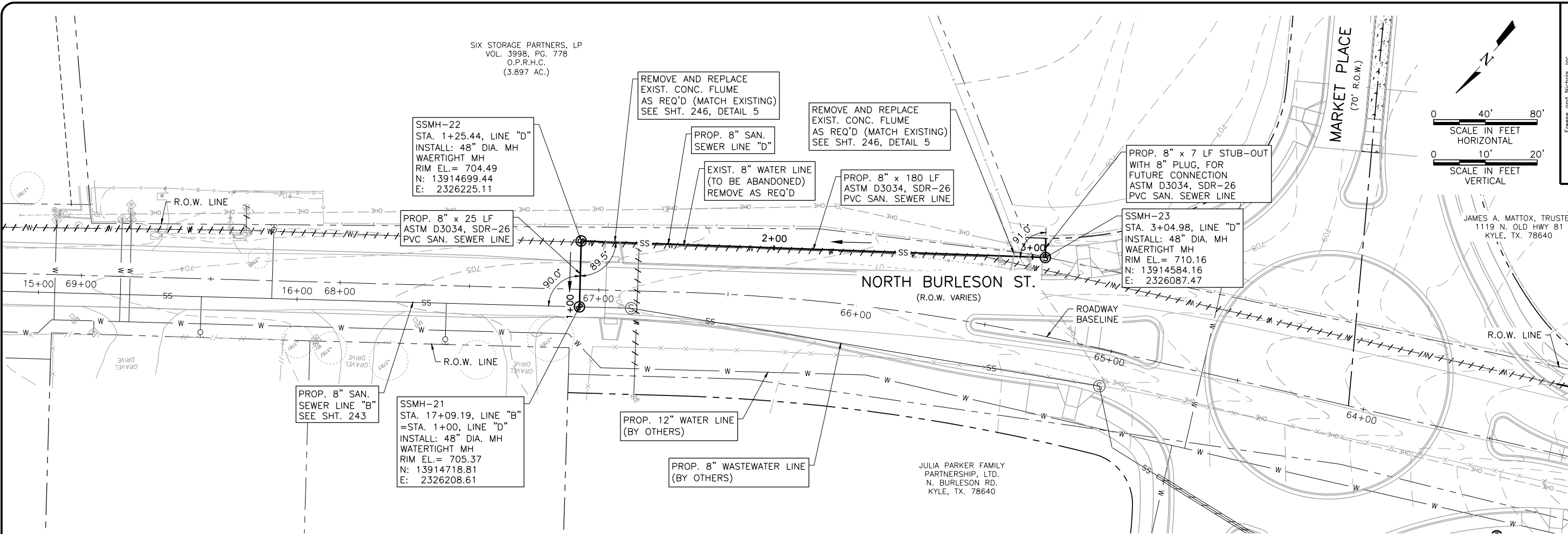


FRESE NICHOLS
 10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.frese.com

CITY OF KYLE, TEXAS
 N. BURLESON ST. IMPROVEMENTS
 CIVIL
 SANITARY SEWER LINE 'B'
 STA. 12+50 TO END

NO.	REVISION	BY	DATE	APP. JOB NO.	DATE	DESIGNED	EJC	DRAWN	DDH	CHECKED	ERB	FILE NAME
				KYL14284	6/25/2018							WTU-BUR-PP-SS02.dwg
ADDENDUM NO. 2 VERIFY SCALE Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.												
SHEET												243
TOTAL												292

ACAD: Rel: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\WTU-BUR-PP-SS02A.dwg
 Last Saved: 6/25/2018 4:38 PM Saved By: 07155



Freese and Nichols, Inc.
 Texas Registered Engineering Firm F-2144

6-22-18

ANNE C. HOSKINS
 103447
 PROFESSIONAL ENGINEER
 STATE OF TEXAS

FRESE NICHOLS

10431 Morado Circle, Suite 300
 Austin, Texas 78759
 Phone - (512) 617-3100
 Fax - (512) 617-3101
 Web - www.freese.com

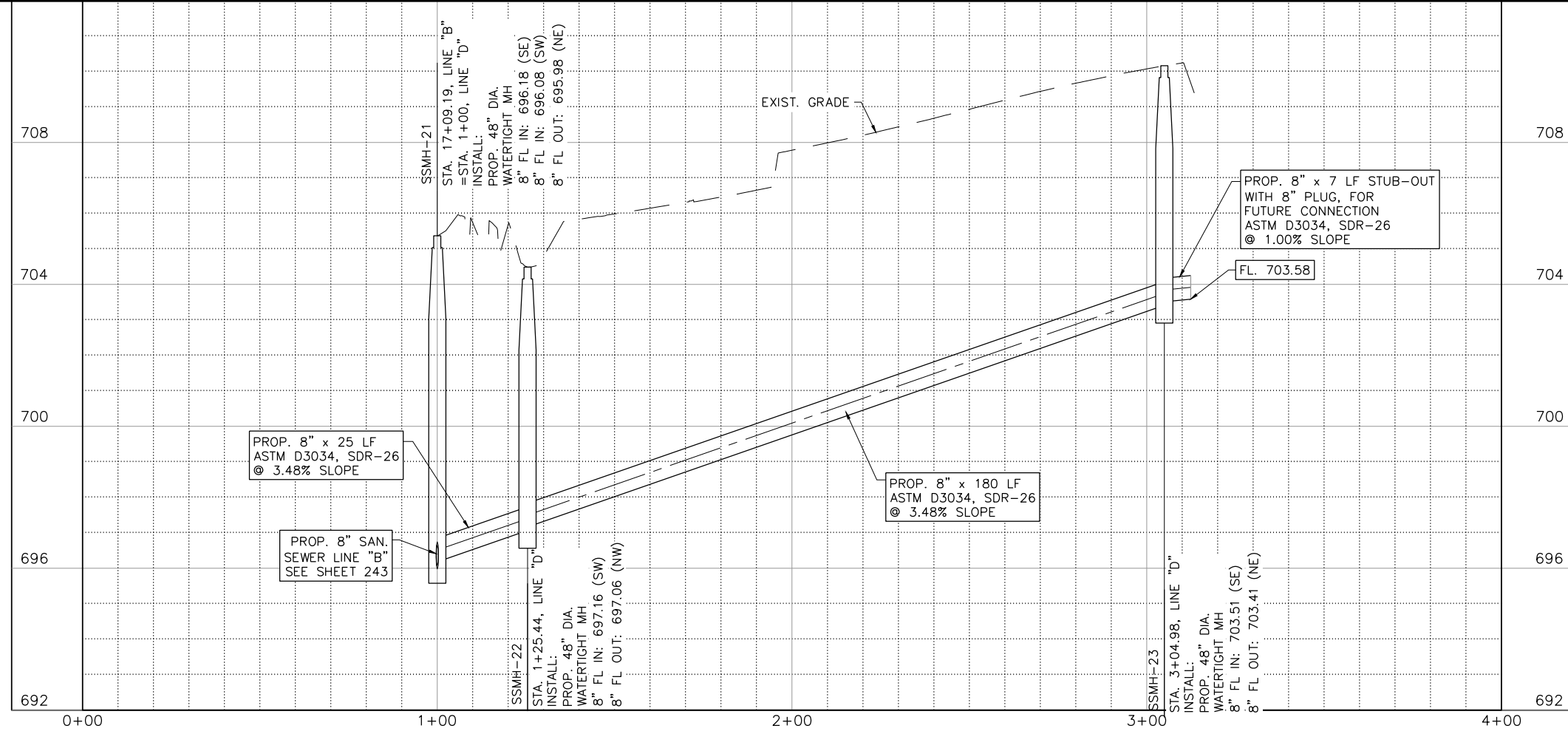
CITY OF KYLE, TEXAS

N. BURLESON ST. IMPROVEMENTS

CIVIL

SANITARY SEWER LINE 'D', MATTOX WASTEWATER CONNECTION

JAMES A. MATTOX, TRUSTEE
 1119 N. OLD HWY 81
 KYLE, TX. 78640



NO.	REVISION	BY	DATE	APP. JOB NO.	DATE	DESIGNED	DRAWN	CHECKED	FILE NAME
				KYL14284	6/25/2018	EJC	DDH		WTU-BUR-PP-SS02A.dwg

ADDITIONAL NO. 2 - WHOLE SHEET ACH 06/22/18 REVISION
 VERIFY SCALE Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.

SHEET **243A**

TOTAL

NOTES:

- FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO ORDER OF PIPE AND MATERIALS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING AND MAINTAINING ALL EXISTING SANITARY SEWER FLOWS DURING CONNECTION OF PROPOSED SANITARY SEWER LINE TO EXISTING SANITARY SEWER LINE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING OPERATION OF EXISTING IRRIGATION SYSTEM DURING CONSTRUCTION. ANY SYSTEM COMPONENTS REMOVED OR DAMAGED BY CONTRACTORS OPERATION SHALL BE REINSTALLED WITHIN IMPACTED AREA BY LICENSED IRRIGATOR OR CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING EXISTING CONFLICTING UTILITY OWNERS AND COORDINATING FIELD ADJUSTMENTS OF UTILITIES DURING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS ON DRIVEWAY RECONSTRUCTION.
- CONTRACTOR SHALL VIDEO EXIST. SS PRIOR TO CONSTRUCTION AND FOLLOWING CONSTRUCTION.

ELYDIA G. SOTO
206 MORENO ST.
KYLE, TX. 78640

SSMH-1
STA. 10+00.00, LINE "C"
REMOVE & REPLACE EXIST. MH
INSTALL: 48" DIA. WATERTIGHT MH
CONNECT TO EXIST. 8" SS LINE
RIM EL.= 714.00
N:13912597.19
E: 2324565.87

REMOVE EXIST. 8" SAN. SEWER
LINE & REPLACE IN-PLACE W/
PROP. 8" x 9 LF
ASTM D3034, SDR-26
PVC WASTEWATER LINE

EXIST. 8" SAN. SEWER LINE
5' UTIL. EASEMENT

CONNECT TO EXISTING 8" SAN SEWER LINE (FIELD VERIFY)
N:13912595.29
E:2324577.88

DANIEL BOONE HINOJOSA
TENORIO ST.
KYLE, TX. 78640

CAUTION!!
UNDERGROUND GAS, WATER, ELECTRIC, TELEPHONE, CABLE TV AND OTHER UTILITIES MAY EXIST WITHIN THE WORK AREA. THE UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION.

PROP. UTIL. EASEMENT

PROP. RETAINING WALL
SEE ROADWAY SHEETS

REMOVE EXIST. 8" SAN. SEWER
LINE & REPLACE IN-PLACE W/
PROP. 12" x 38 LF
ASTM D3034, SDR-26
PVC WASTEWATER LINE

STA. 10+24, LINE "C"
INSTALL: PROP. 16" x 8 LF
STL. CASING (OPEN CUT)

PROP. STORM DRAIN
SEE DRAINAGE SHEETS

ABANDON EXIST. 8" SAN. SEWER LINE

STA. 10+23.91, LINE "C"
PROP. 12" WATER LINE CROSSING
SEE WATER SHEETS

SSMH-2
STA. 10+37.91, LINE "C"
= STA. 10+00.00, LINE "A"
INSTALL: 48" DIA. MH
RIM EL.= 714.67
N:13912603.35
E: 2324528.46

PROP. CONCRETE ENCASEMENT
(25 LF)

PROP. 12" SANITARY SEWER LINE "A"
SEE SS SHEETS

EXIST. SAN. SEWER MH TO BE REMOVED

PROP. 8" SANITARY SEWER LINE "A"
SEE SS SHEETS

PROP. 8" SANITARY SEWER LINE "A"
SEE SS SHEETS

EXIST. SIDEWALK TO BE REMOVED

PROP. CONCRETE ENCASEMENT
(17 LF)

EXIST. WATER LINE (TO BE ABANDONED)

SSMH-3
STA. 10+67.76, LINE "C"
= STA. 10+29.85, LINE "A"
INSTALL: 48" DIA. MH
RIM EL.= 709.52
N:13912607.88
E: 2324498.96

ABANDON EXIST. 8" SAN. SEWER LINE

PROP. RETAINING WALL
SEE ROADWAY SHEETS

PROP. CHURCH POND
SEE DRAINAGE SHEETS

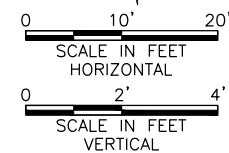
PROP. WATER LINE
SEE WATER SHEETS

EXIST. CLEANOUT TO BE REMOVED

STA. 11+38±, LINE "C"
EXIST. STORM DRAIN CROSSING
SUPPORT & PROTECT AS REQ'D FOR CONSTRUCTION

REMOVE EXIST. 6" SAN. SEWER
LINE & REPLACE IN-PLACE W/
PROP. 12" x 101 LF
ASTM D3034, SDR-26
PVC WASTEWATER LINE

SSMH-20
END STA. 11+69.16, LINE "C"
INSTALL: 48" DIA. WATERTIGHT DROP MH
CONNECT TO EXIST. 6" SAN. SEWER SERVICE
RIM EL.= 719.31
N:13912623.30±
E: 2324398.74±



Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144



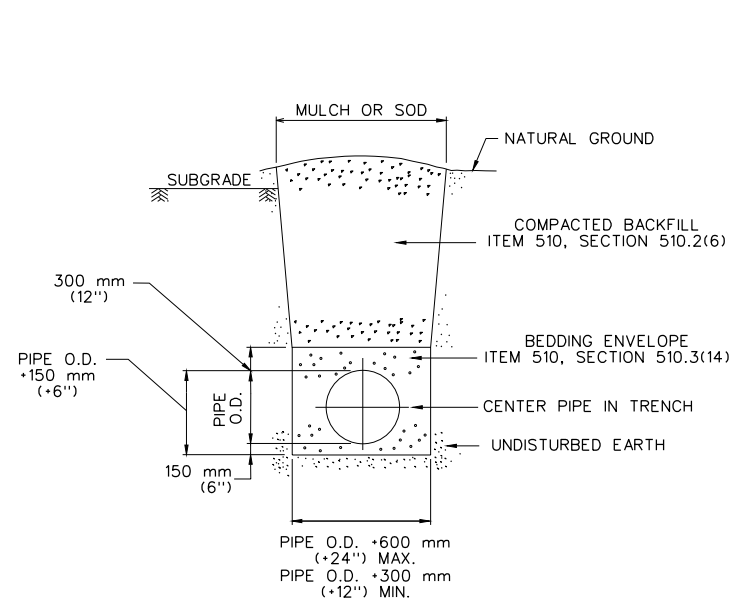
FRESE NICHOLS
10431 Morado Circle, Suite 300
Austin, Texas 78759
Phone - (512) 617-3100
Fax - (512) 617-3101
Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
CIVIL
SANITARY SEWER LINE 'C'
STA. 10+00 TO END

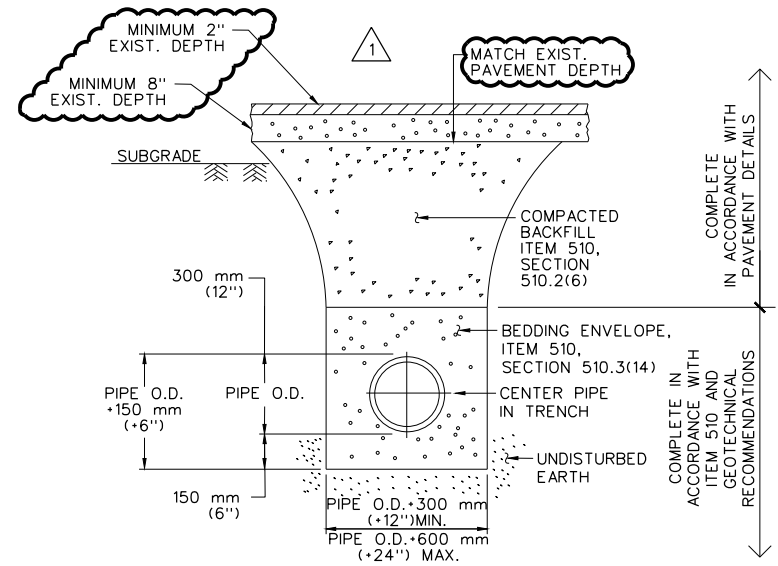
NO.	REVISION	DATE	BY	DATE	FILE NAME
1	ADDENDUM NO. 2	06/22/18	ACH	06/22/18	WTU-BUR-PP-SS03.dwg
0	VERIFY SCALE				Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET **244**
TOTAL 292

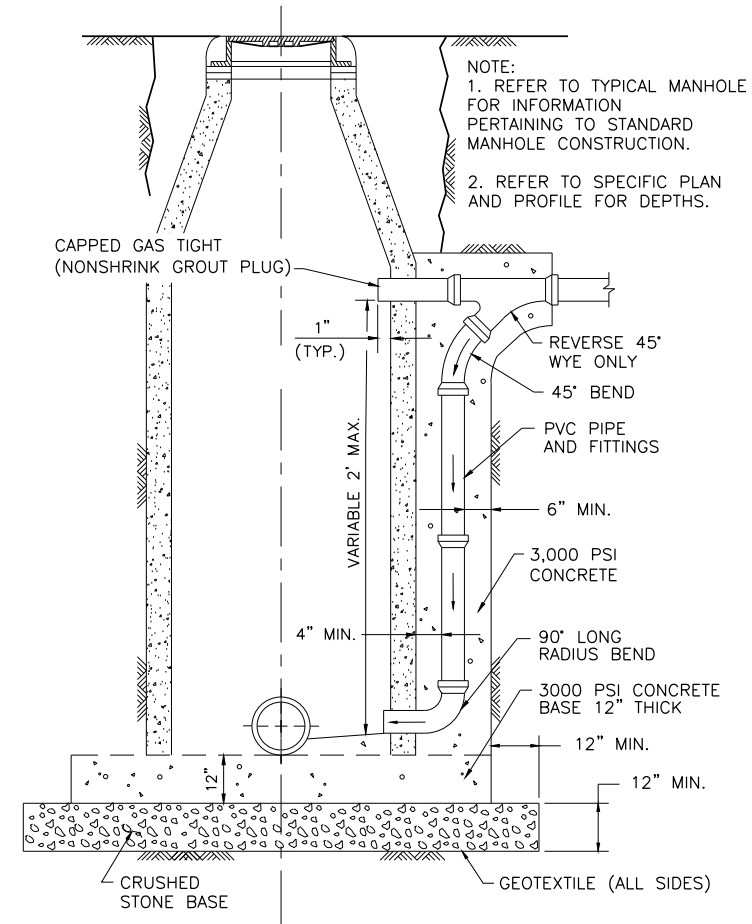
ACAD File: 21.0s (LMS Tech)
Filename: N:\WTU\Drawings\WTU-BUR-PP-SS03.dwg
Last Saved: 6/22/2018 4:39 PM Saved By: 02618



1 TRENCH DETAIL - UNFINISHED SURFACE
N.T.S.

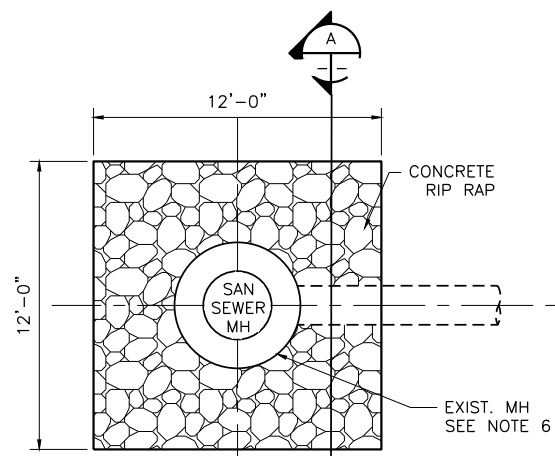


2 TRENCH DETAIL - FINISHED SURFACE
N.T.S.

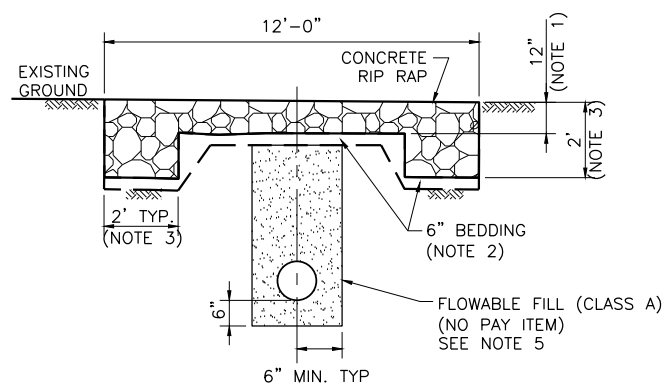


3 STANDARD DROP CONNECTION
N.T.S.

- NOTES:**
1. CONCRETE RIP RAP SHALL BE INSTALLED AT A MINIMUM THICKNESS OF 12", CONCRETE RIP RAP SHALL BE PER TXDOT ITEM 432.
 2. BEDDING SHALL BE INSTALLED AT A MINIMUM THICKNESS OF 6". GEOTEXTILE FABRIC MAY BE USED IN PLACE OF BEDDING WITH ENGINEER APPROVAL.
 3. THE CONCRETE RIP RAP SHALL BE CONTINUOUS. A TOE WILL BE CONSTRUCTED ALONG THE SIDES OF THE RIP RAP. THE RIP RAP TOE WILL HAVE A MINIMUM DEPTH AND WIDTH OF 2 TIMES THE MINIMUM THICKNESS OF THE ROCK RIP RAP SPECIFIED. THE FINISHED SURFACE OF THE RIP RAP SHALL NOT EXTEND ABOVE PRE CONSTRUCTION GRADE.
 4. RIP RAP SHALL BE PLACED ON THE NATURAL SLOPE.
 5. INSTALL FLOWABLE FILL BACKFILL IN MAXIMUM 12" LIFTS.
 6. SUPPORT/PROTECT EXIST. MH DURING CONSTRUCTION. ENSURE RIP RAP PLACEMENT WILL NOT OBSTRUCT OPERATIONS AND MAINTENANCE OF MANHOLE, INCLUDING OPENING AND CLOSING OF MANHOLE COVER.

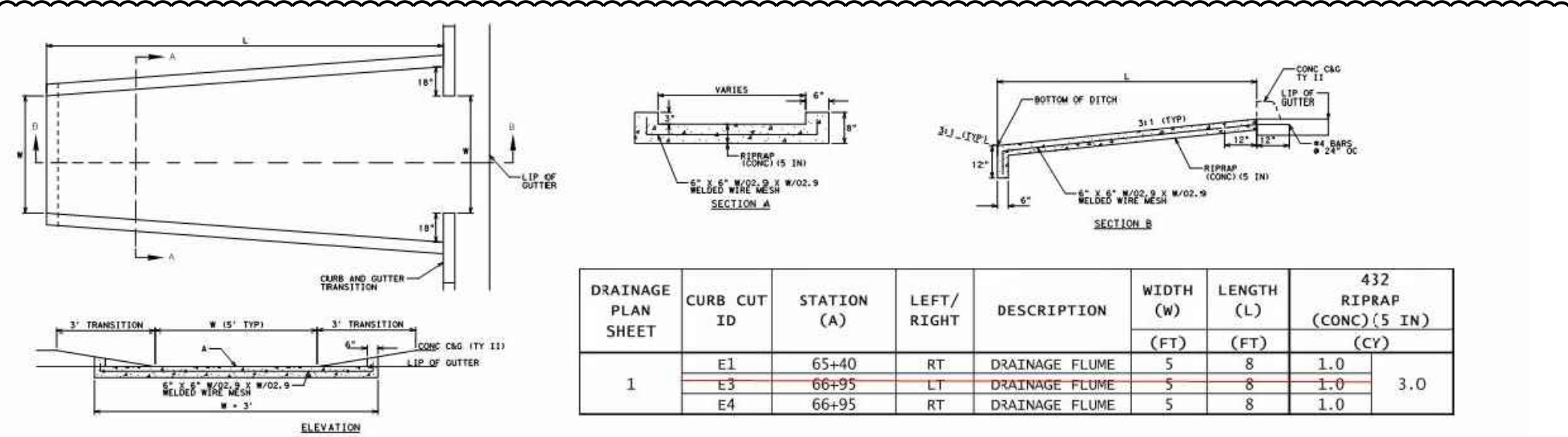


PLAN



SECTION "A"

4 RIP-RAP SLOPE PROTECTION DETAILS
N.T.S.



5 EXISTING CONCRETE FLUME DETAIL - SANITARY SEWER LINE "D"
N.T.S.

DRAINAGE PLAN SHEET	CURB CUT ID	STATION (A)	LEFT/RIGHT	DESCRIPTION	WIDTH (W)	LENGTH (L)	432 RIPRAP (CONC) (5 IN)	
					(FT)	(FT)	(CY)	(CY)
1	E1	65+40	RT	DRAINAGE FLUME	5	8	1.0	3.0
	E3	66+95	LT	DRAINAGE FLUME	5	8	1.0	
	E4	66+95	RT	DRAINAGE FLUME	5	8	1.0	

Freese and Nichols, Inc.
Texas Registered Engineering Firm F-2144
6-22-18

FREES & NICHOLS
10431 Marado Circle, Suite 300
Austin, Texas 78759
Phone - (512) 617-3100
Fax - (512) 617-3101
Web - www.freese.com

CITY OF KYLE, TEXAS
N. BURLESON ST. IMPROVEMENTS
CIVIL
SANITARY SEWER LINE
MISCELLANEOUS DETAILS II

NO.	REVISION	DATE	BY	DESIGNED	SC	DRAWN	DDH	REVISION	CHECKED	FILE NAME
		6/25/2018						06/22/18		WTU-BUR-DT-MISC01.dwg
ADDENDUM NO. 2 Bar is one inch on original drawing, if not one inch on this sheet, adjust scale.										

SHEET 246
TOTAL 292

ACAD Ref: 21.0s (LMS Tech)
 Filename: N:\WTU\Drawings\WTU-BUR-DT-MISC01.dwg
 Last Saved: 6/25/2018 4:45 PM Saved By: 07155