



SAWS 2021 CMOM Package 6 – Open Cut and Pipe Burst
Solicitation Number: CO-00713
Job No.: 22-4510

ADDENDUM 9
January 12, 2024

To Bidder of Record:

This addendum, applicable to the work referenced above, is an amendment to the bidding documents and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the addendum number and issue date in the space provided in the submitted bid proposal.

CHANGES TO SPECIFICATIONS

1. **BID PROPOSAL** – Remove Bid Proposal in its entirety and replace with the revised Bid Proposal attached to this Addendum. The bid items and estimated quantities have been updated. This version of the bid proposal should be used by bidders when submitting a bid for this project. Failure to use the revised version of the bid proposal may result in the bid being found non-responsive. The changes to the Bid Form includes:
 - A) Updating the quantity for Item No. 102 (Spec. Item 858) to 198.
 - B) Updating the quantity for Item No. 214 (Spec. Item 102.1) to 8.
2. **SPECIAL CONDITIONS** – Remove page SC-8 of the Special Conditions and replace with the revised SC-8 Special Conditions attached to this addendum. The changes to page SC-8 of the Special Conditions include:
 - A) Under Section XIII Site No.20 Roland added *Contractor to use for Compkey 989836, HDPE DR13.5 pipe (160 psi) for compliance with TCEQ Chapter 217.53(d)(7)(A).*

CHANGES TO PLANS

1. **SHEETS 3, 24, 35, 42, 43:** Remove sheets 3, 24, 35, 42, and 43 from the Plans and replace with the attached Sheets 3, 24, 35, 42, and 43. The changes include revisions to the Quantity Summary Table, CPS utility relocation changes on Sheet 24, label regarding pressure rate of HDPE pipe on Sheet 35, and concrete encasement quantities on Sheet 42, and Sheet 43.

END OF ADDENDUM 9

This Addendum, including these two (2) pages, is seventeen (17) pages in its entirety including the attachments.

Attachments:

- Bid Proposal in its entirety (9 pages)
- Special Conditions page SC-8 (1 page)
- Plan Sheets 3, 24, 35, 42, and 43 (5 pages)



Lockwood, Andrews & Newnam, Inc.
Texas Registered Engineering Firm
F-2614

BID PROPOSAL

PROPOSAL OF _____, a corporation
a partnership consisting of _____
an individual doing business as _____

THE SAN ANTONIO WATER SYSTEM:

Pursuant to Instructions and Invitation to Bidders, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the project as specified, in accordance with the Plans and Specifications for the following prices in the bid proposal to wit:

PLEASE SEE ATTACHED LIST OF BID ITEMS.

BIDDER'S SIGNATURE & TITLE

FIRM'S NAME (TYPE OR PRINT)

FIRM'S ADDRESS

FIRM'S PHONE NO. /FAX NO.

FIRM'S EMAIL ADDRESS

The Contractor herein acknowledges receipt of the following: **Addendum No(s)**. _____

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

The Bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within **600** calendar days after the start date, as set forth in the Authorization to Proceed. **The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.**

Complete the additional requirements of the Bid Proposal which are included on the following pages.

Statement on President's Executive Orders

Has your firm previously performed work subject to the President's Executive Orders Numbers 11246 and 11375 or any preceding similar executive orders (Numbers 10925 and 11114)? Yes No

Texas Government Code Chapter 2274 Verifications

- (1) Are you, Contractor, held or controlled by individuals who are citizens of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (2) Are you, Contractor, held or controlled by a company or other entity, including a governmental entity, that is owned or controlled by citizens of or directly controlled by the government of China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274? Yes No
- (3) Are you, Contractor, headquartered in China, Iran, North Korea, Russia or a country designated by the Governor of the State of Texas pursuant to Texas Government Code Chapter 2274?
Yes No

Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total
1	103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	554	\$	\$
2	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	6119	\$	\$
3	202.1	PRIME COAT (COSA SPEC)	GAL	3410	\$	\$
4	203.1	TACK COAT (COSA SPEC)	GAL	2257	\$	\$
5	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP DEPTH) (COSA SPEC)	SY	2057	\$	\$
6	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (12" COMP DEPTH) (COSA SPEC)	SY	18	\$	\$
7	205.3	HOT MIX ASPHALTIC PAVEMENT, TYPE C (3" COMP DEPTH) (COSA SPEC)	SY	14848	\$	\$
8	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP DEPTH) (COSA SPEC)	SY	3523	\$	\$
9	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (3" COMP DEPTH) (COSA SPEC)	SY	4417	\$	\$
10	208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH) (COSA SPEC)	SY	3272	\$	\$
11	208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH) (COSA SPEC)	SY	18988	\$	\$
12	209.1	CONCRETE PAVEMENT	SY	3	\$	\$
13	299	FLOWABLE FILL (HIGH STRENGTH)	CY	245	\$	\$
14	299.2	FLOWABLE FILL (LOW STRENGTH)	CY	215	\$	\$
15	403.8	INLET (COMPLETE)(TYPE C-I) (10') (COSA SPEC)	EA	1	\$	\$
16	403.14	INLET EXTENSION(COMPLETE) (TYPE C-I)(10') (COSA SPEC)	EA	1	\$	\$
17	404.1	CORRUGATED METAL PIPE	LF	17	\$	\$
18	500.1	CONCRETE CURB (COSA SPEC)	LF	554	\$	\$
19	502.1	CONCRETE SIDEWALKS (COSA SPEC)	SY	210	\$	\$
20	502.1	CONCRETE SIDEWALKS (COSA SPEC)(RAMP)	EA	2	\$	\$
21	503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS (COSA SPEC)	SY	373	\$	\$
22	503.2	PORTLAND CEMENT CONCRETE DRIVEWAYS - COMMERCIAL (COSA SPEC)	SY	105	\$	\$
23	503.5	GRAVEL DRIVEWAY	SY	113	\$	\$
24	506	CONCRETE RETAINING WALL - COMBINATION TYPE (COSA SPEC)	CY	5	\$	\$
25	520.1	HYDROMULCHING	SY	40	\$	\$
26	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 1	EA	1	\$	\$
27	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 2	EA	1	\$	\$
28	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 3	EA	1	\$	\$
29	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 4	EA	1	\$	\$

Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total
30	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 7	EA	1	\$	\$
31	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 8	EA	1	\$	\$
32	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 9	EA	1	\$	\$
33	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 11	EA	1	\$	\$
34	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (TXDOT SPEC) - SITE NO. 12	EA	1	\$	\$
35	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 13	EA	1	\$	\$
36	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 14	EA	1	\$	\$
37	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 16	EA	1	\$	\$
38	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 18	EA	1	\$	\$
39	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 20	EA	1	\$	\$
40	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 21	EA	1	\$	\$
41	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 22	EA	1	\$	\$
42	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 23	EA	1	\$	\$
43	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 24	EA	1	\$	\$
44	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 25	EA	1	\$	\$
45	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 26	EA	1	\$	\$
46	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 27	EA	1	\$	\$
47	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 28	EA	1	\$	\$
48	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 31	EA	1	\$	\$
49	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 32	EA	1	\$	\$
50	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 34	EA	1	\$	\$
51	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 35	EA	1	\$	\$
52	530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 36	EA	1	\$	\$
53	535.1	4 INCH WIDE YELLOW LINE (COSA SPEC)	LF	5879	\$	\$
54	535.2	4 INCH WIDE WHITE LINE (COSA SPEC)	LF	2546	\$	\$
55	535.4	8 INCH WIDE WHITE LINE (COSA SPEC)	LF	3075	\$	\$
56	535.5	12 INCH WIDE WHITE LINE (COSA SPEC)	LF	190	\$	\$
57	535.7	24 INCH WIDE WHITE LINE (COSA SPEC)	LF	806	\$	\$
58	535.8	RIGHT WHITE ARROW (COSA SPEC)	EA	2	\$	\$
59	535.9	LEFT WHITE ARROW (COSA SPEC)	EA	4	\$	\$

Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total
60	535.12	WORD "ONLY" (PER WORD) (COSA SPEC)	EA	1	\$	\$
61	535.13	STRAIGHT WHITE ARROW (COSA SPEC)	EA	7	\$	\$
62	535.17	BICYCLE RIDER SYMBOL (COSA SPEC)	EA	5	\$	\$
63	537.1	TRAFFIC BUTTON (TYPE W)	EA	34	\$	\$
64	537.5	PAVEMENT MARKER (TYPE I-A) (COSA SPEC)	EA	2	\$	\$
65	537.6	PAVEMENT MARKER (TYPE I-C) (COSA SPEC)	EA	31	\$	\$
66	537.7	PAVEMENT MARKER (TYPE I-R) (COSA SPEC)	EA	56	\$	\$
67	537.8	PAVEMENT MARKER (TYPE II-A-A) (COSA SPEC)	EA	182	\$	\$
68	537.9	PAVEMENT MARKER (TYPE II-C-R) (COSA SPEC)	EA	16	\$	\$
69	540.9	TEMPORARY SEDIMENT CONTROL FENCE (COSA SPEC)	LF	850	\$	\$
70	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	4506	\$	\$
71	801	TREE AND LANDSCAPE PROTECTION (COSA SPEC)	LS	1	\$	\$
72	814	4" DUCTILE IRON PIPE	LF	38	\$	\$
73	814	8" DUCTILE IRON PIPE	LF	114	\$	\$
74	818	8" PVC C-900 (SDR 18, 235 PSI) WATERLINE (RESTRAIN AS REQUIRED)	LF	104	\$	\$
75	836	PIPE FITTINGS (ALL SIZES & TYPES)	TN	2	\$	\$
76	840	2" WATER TIE-IN	EA	2	\$	\$
77	840	6" WATER TIE-IN	EA	6	\$	\$
78	840	8" WATER TIE IN	EA	4	\$	\$
79	841	WATER HYDROSTATIC TESTING	EA	6	\$	\$
80	844	2" BLOW-OFF, TEMPORARY	EA	12	\$	\$
81	848	8" PVC SANITARY SEWER PIPE (SDR 26, ASTM D2241) (ALL DEPTHS)	LF	3550	\$	\$
82	848	10" PVC SANITARY SEWER PIPE (SDR 26, ASTM D2241) (ALL DEPTHS)	LF	35	\$	\$
83	848	12" PVC SANITARY SEWER PIPE (SDR 26, ASTM D2241) (ALL DEPTHS)	LF	673	\$	\$
84	848	15" PVC SANITARY SEWER PIPE (SDR 26, ASTM D3034) (ALL DEPTHS)	LF	107	\$	\$
85	850	POLYMER CONCRETE SANITARY SEWER STRUCTURES (DOGHOUSE) (60" WIDE MIN)	EA	1	\$	\$
86	850	POLYMER CONCRETE SANITARY SEWER STRUCTURE (60" WIDE MIN)	EA	1	\$	\$
87	850	POLYMER CONCRETE DROP SANITARY SEWER STRUCTURE (60" WIDE MIN)	EA	3	\$	\$
88	851	EXISTING MANHOLE ADJUSTMENT	EA	3	\$	\$
89	852.8.1	SANITARY SEWER MANHOLE (0' - 6' DEPTH) (WATERTIGHT)	EA	26	\$	\$
90	852.8.1	SANITARY SEWER DROP MANHOLE (0' - 6' DEPTH) (WATERTIGHT)	EA	3	\$	\$

Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total
91	852.8.1	SANITARY SEWER DOGHOUSE MANHOLE (0' - 6' DEPTH) (WATERTIGHT)	EA	2	\$	\$
92	852.8.2	EXTRA DEPTH MANHOLES (> 6' DEEP)	VF	50	\$	\$
93	852.8.2	EXTRA DEPTH DROP MANHOLES (>6' DEEP)	VF	20	\$	\$
94	852.8.2	EXTRA DEPTH DOGHOUSE MANHOLE (>6' DEEP)	VF	8	\$	\$
95	852.8.3	SHALLOW SANITARY SEWER MANHOLE (DD-852-04)	EA	6	\$	\$
96	854.1	SANITARY SEWER LATERALS (SDR 26, ASTM D2241, 160 PSI)	LF	2125	\$	\$
97	854.2	TWO-WAY SANITARY SEWER CLEAN-OUT	EA	90	\$	\$
98	854.3	ONE-WAY SANITARY SEWER CLEAN-OUT	EA	9	\$	\$
99	855	RECONSTRUCTION OF EXISTING MANHOLES	EA	3	\$	\$
100	856.2	15" PVC SANITARY SEWER CARRIER PIPE (SDR 26, ASTM D3034)	LF	20	\$	\$
101	856.3	30" STEEL CASING (0.375-INCH THICKNESS)	LF	20	\$	\$
102	858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	198	\$	\$
103	860	VERTICAL STACKS	VF	52	\$	\$
104	862.7.1	ABANDONMENT OF SANITARY SEWER MANHOLE	EA	3	\$	\$
105	862.7.2	ABANDONMENT OF SANITARY SEWER MAINS (GROUTED)	LF	144	\$	\$
106	862.7.3	ABANDONMENT OF SANITARY SEWER MAINS (PLUG ONLY)	EA	2	\$	\$
107	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) - SITE NO. 14	EA	1	\$	\$
108	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 1	EA	1	\$	\$
109	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 2	EA	1	\$	\$
110	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 4	EA	1	\$	\$
111	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 7	EA	1	\$	\$
112	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 8	EA	1	\$	\$
113	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 9	EA	1	\$	\$
114	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 11	EA	1	\$	\$
115	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 12	EA	1	\$	\$
116	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 13	EA	1	\$	\$
117	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 15	EA	1	\$	\$
118	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 16	EA	1	\$	\$
119	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 18	EA	1	\$	\$

Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total
120	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 20	EA	1	\$	\$
121	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 21	EA	1	\$	\$
122	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 22	EA	1	\$	\$
123	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 23	EA	1	\$	\$
124	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 24	EA	1	\$	\$
125	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 25	EA	1	\$	\$
126	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 26	EA	1	\$	\$
127	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 27	EA	1	\$	\$
128	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 28	EA	1	\$	\$
129	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 31	EA	1	\$	\$
130	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 32	EA	1	\$	\$
131	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 34	EA	1	\$	\$
132	865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 35	EA	1	\$	\$
133	866	SANITARY SEWER MAIN PRE-TELEVISION INSPECTION (8"-15" DIA)	LF	9463	\$	\$
134	866	SANITARY SEWER MAIN POST-TELEVISION INSPECTION (8"-15" DIA)	LF	4885	\$	\$
135	866	SANITARY SEWER MAIN PRE-TELEVISION INSPECTION (18"-24" DIA)	LF	391	\$	\$
136	900	PIPE-BURST 8" SANITARY SEWER PIPE (ALL DEPTHS)	LF	3267	\$	\$
137	900	PIPE-BURST 10" SANITARY SEWER PIPE (ALL DEPTHS)	LF	318	\$	\$
138	900	PIPE-BURST 12" SANITARY SEWER PIPE (ALL DEPTHS)	LF	1299	\$	\$
139	900	PIPE-BURST 18" SANITARY SEWER PIPE (ALL DEPTHS)	LF	391	\$	\$
140	900.5	PIPE-BURST POINT REPAIRS (20 LF LENGTH) (ALL DEPTHS)	EA	5	\$	\$
141	900.5	PIPE-BURST POINT REPAIRS EXTRA LENGTH (ALL DEPTHS)	LF	3	\$	\$
142	900.6	PIPE-BURST OBSTRUCTION REMOVAL (ALL DEPTHS)	EA	1	\$	\$
143	910.1	MANHOLE REHABILITATION (STANDARD MANHOLES 4FT DIAMETER)	VF	150	\$	\$
144	1020	2" WATER MAIN BREAK/LEAK REPAIR	EA	1	\$	\$
145	1020	6" WATER MAIN BREAK/LEAK REPAIR	EA	7	\$	\$
146	1020	8" WATER MAIN BREAK/LEAK REPAIR	EA	5	\$	\$
147	1020	10" WATER MAIN BREAK/LEAK REPAIR	EA	1	\$	\$
148	1020	12" WATER MAIN BREAK/LEAK REPAIR	EA	2	\$	\$
149	1020	16" WATER MAIN BREAK/LEAK REPAIR	EA	1	\$	\$
150	1020	24" WATER MAIN BREAK/LEAK REPAIR	EA	1	\$	\$

Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total
151	1109.1	SERVICE RECONNECTION BY OPEN CUT EXCAVATION (ALL DEPTHS)	EA	95	\$	\$
152	3000	HANDLING ASBESTOS CEMENT PIPE	LF	65	\$	\$
153	6001	PORTABLE CHANGEABLE MESSAGE SIGN (TXDOT SPEC)	EA	10	\$	\$
154	SS 2010	REMOVAL & REPLACEMENT OF FENCES (ALL TYPES, SIZES)	LS	1	\$	\$
155	SS 2012	ROUNDBOUT REPAIRS	LS	1	\$	\$
156	SS 3300	SANITARY SEWER PRIVATE LATERAL (4"-6")	LF	93	\$	\$
157	TXDOT 0666-COSM1	GREEN REFLECTORIZED TYPE 1 THERMO	SF	200	\$	\$
SUBTOTAL (ITEMS 1 - 157)						\$
158	100	MOBILIZATION (SITE 1)	LS	1	\$	\$
159	100	MOBILIZATION (SITE 2)	LS	1	\$	\$
160	100	MOBILIZATION (SITE 3)	LS	1	\$	\$
161	100	MOBILIZATION (SITE 4)	LS	1	\$	\$
162	100	MOBILIZATION (SITE 7)	LS	1	\$	\$
163	100	MOBILIZATION (SITE 8)	LS	1	\$	\$
164	100	MOBILIZATION (SITE 9)	LS	1	\$	\$
165	100	MOBILIZATION (SITE 11)	LS	1	\$	\$
166	100	MOBILIZATION (SITE 12)	LS	1	\$	\$
167	100	MOBILIZATION (SITE 13)	LS	1	\$	\$
168	100	MOBILIZATION (SITE 14)	LS	1	\$	\$
169	100	MOBILIZATION (SITE 15)	LS	1	\$	\$
170	100	MOBILIZATION (SITE 16)	LS	1	\$	\$
171	100	MOBILIZATION (SITE 18)	LS	1	\$	\$
172	100	MOBILIZATION (SITE 20)	LS	1	\$	\$
173	100	MOBILIZATION (SITE 21)	LS	1	\$	\$
174	100	MOBILIZATION (SITE 22)	LS	1	\$	\$
175	100	MOBILIZATION (SITE 23)	LS	1	\$	\$
176	100	MOBILIZATION (SITE 24)	LS	1	\$	\$
177	100	MOBILIZATION (SITE 25)	LS	1	\$	\$
178	100	MOBILIZATION (SITE 26)	LS	1	\$	\$
179	100	MOBILIZATION (SITE 27)	LS	1	\$	\$
180	100	MOBILIZATION (SITE 28)	LS	1	\$	\$
181	100	MOBILIZATION (SITE 31)	LS	1	\$	\$
182	100	MOBILIZATION (SITE 32)	LS	1	\$	\$
183	100	MOBILIZATION (SITE 34)	LS	1	\$	\$
184	100	MOBILIZATION (SITE 35)	LS	1	\$	\$
185	100	MOBILIZATION (SITE 36)	LS	1	\$	\$
MOBILIZATION SUBTOTAL (MAX. 10% OF LINE ITEMS 1 - 157)*						\$

Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total
186	101	PREPARING RIGHT-OF-WAY (SITE 1)	LS	1	\$	\$
187	101	PREPARING RIGHT-OF-WAY (SITE 2)	LS	1	\$	\$
188	101	PREPARING RIGHT-OF-WAY (SITE 3)	LS	1	\$	\$
189	101	PREPARING RIGHT-OF-WAY (SITE 4)	LS	1	\$	\$
190	101	PREPARING RIGHT-OF-WAY (SITE 7)	LS	1	\$	\$
191	101	PREPARING RIGHT-OF-WAY (SITE 8)	LS	1	\$	\$
192	101	PREPARING RIGHT-OF-WAY (SITE 9)	LS	1	\$	\$
193	101	PREPARING RIGHT-OF-WAY (SITE 11)	LS	1	\$	\$
194	101	PREPARING RIGHT-OF-WAY (SITE 12)	LS	1	\$	\$
195	101	PREPARING RIGHT-OF-WAY (SITE 13)	LS	1	\$	\$
196	101	PREPARING RIGHT-OF-WAY (SITE 14)	LS	1	\$	\$
197	101	PREPARING RIGHT-OF-WAY (SITE 15)	LS	1	\$	\$
198	101	PREPARING RIGHT-OF-WAY (SITE 16)	LS	1	\$	\$
199	101	PREPARING RIGHT-OF-WAY (SITE 18)	LS	1	\$	\$
200	101	PREPARING RIGHT-OF-WAY (SITE 20)	LS	1	\$	\$
201	101	PREPARING RIGHT-OF-WAY (SITE 21)	LS	1	\$	\$
202	101	PREPARING RIGHT-OF-WAY (SITE 22)	LS	1	\$	\$
203	101	PREPARING RIGHT-OF-WAY (SITE 23)	LS	1	\$	\$
204	101	PREPARING RIGHT-OF-WAY (SITE 24)	LS	1	\$	\$
205	101	PREPARING RIGHT-OF-WAY (SITE 25)	LS	1	\$	\$
206	101	PREPARING RIGHT-OF-WAY (SITE 26)	LS	1	\$	\$
207	101	PREPARING RIGHT-OF-WAY (SITE 27)	LS	1	\$	\$
208	101	PREPARING RIGHT-OF-WAY (SITE 28)	LS	1	\$	\$
209	101	PREPARING RIGHT-OF-WAY (SITE 31)	LS	1	\$	\$
210	101	PREPARING RIGHT-OF-WAY (SITE 32)	LS	1	\$	\$
211	101	PREPARING RIGHT-OF-WAY (SITE 34)	LS	1	\$	\$
212	101	PREPARING RIGHT-OF-WAY (SITE 35)	LS	1	\$	\$
213	101	PREPARING RIGHT-OF-WAY (SITE 36)	LS	1	\$	\$
PREPARING ROW SUBTOTAL (MAX. 5% OF LINE ITEMS 1 - 157)**						\$
214	102.1	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION	EA	8	\$	\$
INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION SUBTOTAL (ITEM 214)						\$
215	530.2	POLICE OFFICER (OFF-DUTY) ALLOWANCE (SITE 1,2,7,9,12,14,18,20,22,24,26,27,28, 32, & 34) (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 312,000.00	\$ 312,000.00
216	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) - SITE NO. 9 (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 72,495.00	\$ 72,495.00
217	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) - SITE NO. 12 (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 72,495.00	\$ 72,495.00

Item No.	Spec Item	Description	Unit	Quantity	Unit Price	Total
218	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) - SITE NO. 16 (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 71,260.00	\$ 71,260.00
219	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) - SITE NO. 26 (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 65,108.00	\$ 65,108.00
220	864	BYPASS PUMPING (LARGE DIAMETER SANITARY SEWERS) - SITE NO. 28 (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 55,160.00	\$ 55,160.00
221	3001	CPS ENERGY UTILITY POLE BRACING ALLOWANCE (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 65,000.00	\$ 65,000.00
222	SP 3000	HANDLING ASBESTOS CEMENT PIPE (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 29,325.00	\$ 29,325.00
223	SS 02120 ES	ENVIRONMENTAL SERVICES (SITE 11 AND SITE 15) (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 100,000.00	\$ 100,000.00
224	SS 02120 EWM	ENVIRONMENTAL WASTE MANAGEMENT ALLOWANCE (SITE 11 AND 15) (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 50,000.00	\$ 50,000.00
225	SS 1200	RELOCATION OF UTILITIES ALLOWANCE (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 291,535.00	\$ 291,535.00
226	SS 9003	EXPLORATORY WORK ALLOWANCE (OWNER WRITTEN APPROVAL REQUIRED FOR PAYMENT)	ALW	1	\$ 50,000.00	\$ 50,000.00
ALLOWANCE SUBTOTAL (ITEMS 215 - 226)						\$ 1,234,378.00
*Mobilization lump sum bid shall be limited to a maximum 10% of the Line-Item Subtotal (Items 1-157) amount.						
**Preparing Right-of-Way lump sum bid shall be limited to a maximum of 5% of the Line-Item Subtotal (Items 1-157) amount.						
The Line Item Sub-total (Items 1-157) amount is defined as all bid items EXCLUDING Item 100, Mobilization, Item 101, Preparing Right-of-Way, Item 102.1, Item 530.2, Item 864, Item 3001, SP 3000, SS 02120 ES, SS 02120 EWM, SS 1200, SS 9003.						
In the event of a discrepancy between the written percentage and dollar amount shown for Mobilization and Preparation of ROW bid items the written percentage will govern. If the percentage written exceeds the allowable maximum stated for mobilization and or preparation of ROW, SAWS reserves the right to cap the amount at the percentages shown and adjust the extensions of the bid items accordingly.						
TOTAL BID PRICE (TO INCLUDE LINE ITEMS 1 - 226)					\$	

- b. All required items for the Contractor's traffic control plan, including but not limited to barricades, portable changeable message boards, and flaggers will be compensated at the unit prices bid for the line items shown on the plans. Off-duty police officers must be approved by SAWS for payment on an allowance basis.

XIII. Site No. 20 – Roland

- a. All required items for the Contractor's traffic control plan, including but not limited to barricades, portable changeable message boards, and flaggers will be compensated at the unit prices bid for the line items shown on the plans. Off-duty police officers must be approved by SAWS for payment on an allowance basis. Contractor to use for Compkey 989836, HDPE DR13.5 pipe (160 psi) for compliance with TCEQ Chapter 217.53(d)(7)(A).

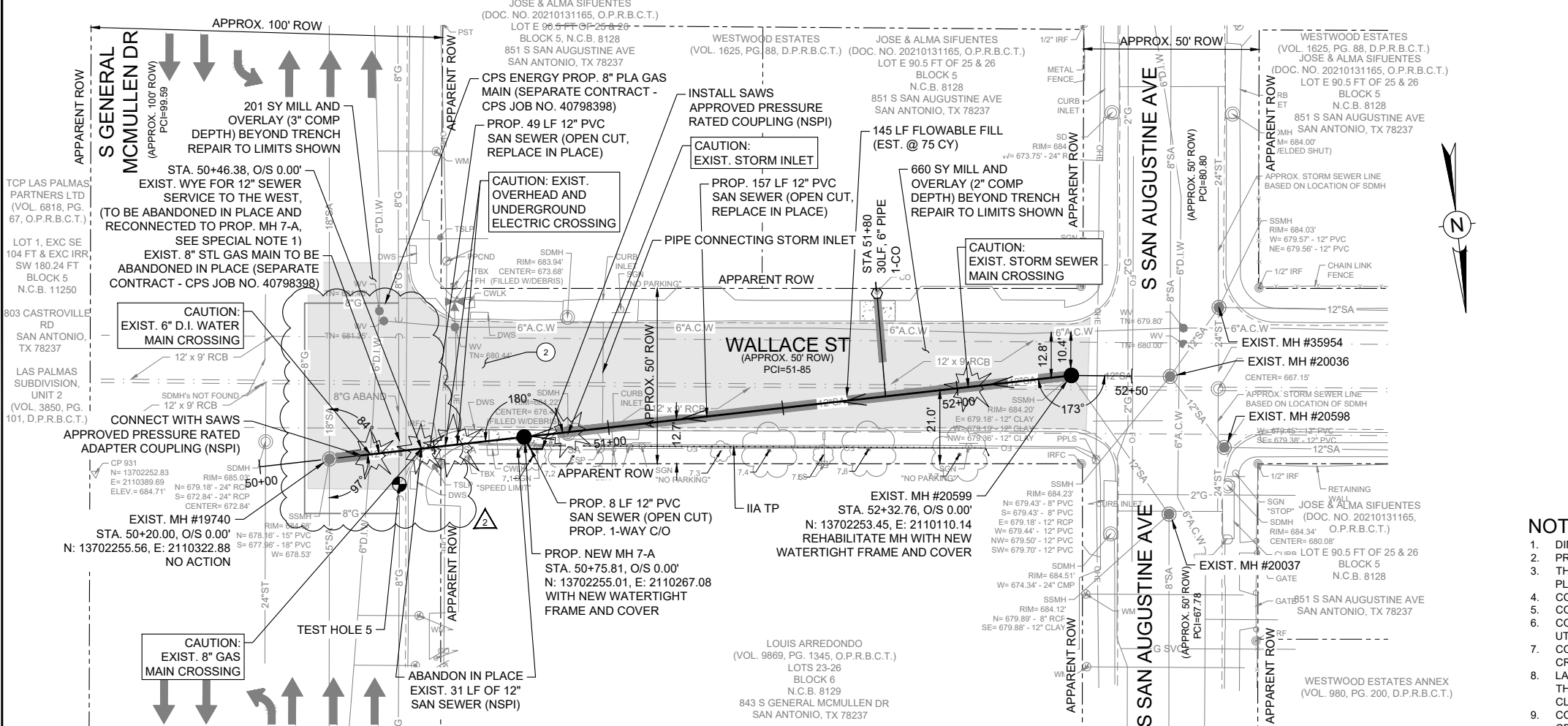
XIV. Site No. 22 – Kaiser Dr

- a. Contractor shall maintain construction and bypass activities within existing SAWS easement.
- b. Contractor to coordinate in advance with Terra Apartment management, as noted on the plans.
- c. The Contractor may be required to adjust a water main as necessary to complete the sanitary sewer improvements and will be compensated for the adjustment at the unit prices bid for water items shown on plans.
- d. All required items for the Contractor's traffic control plan, including but not limited to barricades, portable changeable message boards, and flaggers will be compensated at the unit prices bid for the line items shown on the plans. Off-duty police officers must be approved by SAWS for payment on an allowance basis.

XV. Site No. 24 – W Malone Ave

- a. Contractor must coordinate with Hillcrest Elementary School at least two weeks prior to construction for traffic control plan. Working hours when school is in session may be limited between the hours of 9AM and 5PM if permitted by SAWS Inspections. Contractor shall avoid impacts and access for pedestrian, vehicular and bus traffic as part of the traffic control operations.
- b. Contractor must coordinate and verify location of sanitary sewer bypass suction and discharge manholes and notify SAWS Inspections and Engineer of any issues identified.
- c. All required items for the Contractor's traffic control plan, including but not limited to barricades, portable changeable message boards, and flaggers will be compensated at the unit prices bid for the line items shown on the plans. Off-duty police officers must be approved by SAWS for payment on an allowance basis.

TRENCH EXCAVATION SAFETY PROTECTION: CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES(S) IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.
CPS ENERGY NOTE: CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.



SITE No. 7 - WALLACE ST
 COMPKY 973801

FOR CONCEPTUAL BYPASS PLAN, SEE SHEET 59.
 FOR CONCEPTUAL TRAFFIC CONTROL PLAN, SEE SHEET 90.

SPECIAL NOTES:

- CONTRACTOR TO VERIFY SIZE AND INVERT OF SEWER LATERAL (NW) TO TIE-IN TO NEW MH 7-A PRIOR TO MANHOLE SUBMITTAL AND FABRICATION.
- CONTRACTOR TO PROTECT STORM RCB AND DRAINAGE CURB INLET WHILE EXCAVATING. IT IS CONTRACTOR RESPONSIBILITY TO REPAIR ANY DAMAGES TO THE STORM RCB (NSPI).
- CONTRACTOR TO PROTECT EXISTING FENCING AND SIGNS, PROVIDE TEMPORARY SIGNS, AND SALVAGE AND REPLACE SIGNS THAT INTERFERE WITH REHABILITATION OF SEWER (NSPI).

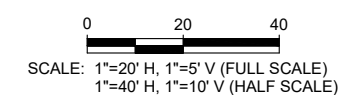
TEST HOLE 5
 8" STL GAS
 N: 13702264.88
 E: 2110303.83
 GROUND ELEV = 684.08
 DEPTH = 4.40
 OWNER: CPS ENERGY

POTENTIAL TRAFFIC CONTROL CONDUITS UNDER STREET AT PED CROSSING. CONTRACTOR TO TAKE CAUTION AND PROTECT WHILE EXCAVATING. CONTRACTOR RESPONSIBILITY TO REPAIR IF DAMAGED (NSPI).

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	50
103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	247
202.1	PRIME COAT (COSA SPEC)	GAL	11
203.1	TACK COAT (COSA SPEC)	GAL	86
205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP DEPTH) (COSA SPEC)	SY	56
205.3	HOT MIX ASPHALTIC PAVEMENT, TYPE C (3" COMP DEPTH) (COSA SPEC)	SY	201
205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP DEPTH) (COSA SPEC)	SY	660
208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2' DEPTH) (COSA SPEC)	SY	660
208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3' DEPTH) (COSA SPEC)	SY	201
299	FLOWABLE FILL (HIGH STRENGTH)	CY	10
299.2	FLOWABLE FILL (LOW STRENGTH)	CY	75
403.8	INLET (COMPLETE)(TYPE C-I) (10') (COSA SPEC)	EA	1
403.14	INLET EXTENSION(COMPLETE) (TYPE C-I)(10') (COSA SPEC)	EA	1
404.1	CORRUGATED METAL PIPE	LF	17
500.1	CONCRETE CURB (COSA SPEC)	LF	50
502.1	CONCRETE SIDEWALKS (COSA SPEC)	SY	28
502.1	CONCRETE SIDEWALKS (COSA SPEC)(RAMP)	EA	1
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 7	EA	1
535.7	24 INCH WIDE WHITE LINE (COSA SPEC)	LF	250
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	206
814	8" DUCTILE IRON PIPE	LF	38
836	PIPE FITTINGS (ALL SIZES & TYPES)	TN	0.3
840	8" WATER TIE IN	EA	2
841	WATER HYDROSTATIC TESTING	EA	1
844	2" BLOW-OFF, TEMPORARY	EA	2
848	12" PVC SANITARY SEWER PIPE (SDR 26, ASTM D2241) (ALL DEPTHS)	LF	206
852.8.1	SANITARY SEWER MANHOLE (0' - 6' DEPTH) (WATERTIGHT)	EA	1
854.1	SANITARY SEWER LATERALS (SDR 26, ASTM 2241, 160 PSI)	LF	30
854.2	TWO-WAY SANITARY SEWER CLEAN-OUT	EA	2
854.3	ONE-WAY SANITARY SEWER CLEAN-OUT	EA	1
858	CONCRETE ENCASUREMENT, CRADLES, SADDLES AND COLLARS	CY	0.5
865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 7	EA	1
866	SANITARY SEWER MAIN PRE-TELEVISION INSPECTION (8"-15" DIA)	LF	213
910.1	MANHOLE REHABILITATION (STANDARD MANHOLES 4FT DIAMETER)	VF	6

- NOTES:**
- DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 - PROPERTY LINES SHOWN ARE APPROXIMATE AND RIGHT-OF WAY BOUNDARY LINE SHOWN IS APPARENT.
 - THE EXISTENCE AND LOCATION OF UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE BASED ON THE AVAILABLE PLAN-OF-RECORD DRAWINGS AND ARE NOT GUARANTEED TO BE ACCURATE.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO CONSTRUCTION (NSPI).
 - CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING LATERALS AND CLEANOUTS PRIOR TO CONSTRUCTION (NSPI).
 - CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS, DEPTHS, DISTANCES, PIPE SIZES AND GRADES OF EXISTING UTILITIES PRIOR TO CONSTRUCTION (NSPI).
 - CONTRACTOR SHALL USE EXTREME CAUTION AND CARE WHEN UNCOVERING UTILITIES DESIGNATED BY CAUTION LOCATE CROSSING STAR ON PLANS, HAND DIGGING (NSPI) MAY BE NECESSARY.
 - LATERALS SHALL BE INSTALLED TO THE APPARENT ROW BOUNDARY LINE WITH CLEANOUT AND SAWS APPROVED THREADED CLEANOUT CAP (NSPI). TRAFFIC RATED CAST IRON FRAME AND GATE CAP (NSPI) REQUIRED FOR SEWER CLEANOUTS IN SIDEWALK OR DRIVEWAY AND PAVEMENT PER SAWS STANDARD DETAIL DD-854-02.
 - CONTRACTOR TO TAKE CAUTION WHILE EXCAVATING FOR SEWER MAIN AND LATERALS AT EXISTING GAS MAIN CROSSINGS AND EXPOSE AND PROTECT GAS MAINS AND GAS SERVICES WHERE CROSSING SEWER MAIN OR LATERALS, HAND DIGGING MAY BE NECESSARY (NSPI).
 - EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION. HAND DIGGING (NSPI) MAY BE NECESSARY. TREES FOUND ON PRIVATE PROPERTY WITH BRANCHES THAT OVERHANG ONTO PUBLIC ROW, WHERE IDENTIFIED, MAY REQUIRE TRIMMING, PRUNING, AND ROOT PROTECTION FOR CONSTRUCTION AND SHALL FOLLOW THE APPROVED TREE PERMIT (NSPI).
 - CONTRACTOR TO TAKE CAUTION WHEN CONSTRUCTING NEAR EXISTING POWER POLES. WHENEVER POWER/TEL. POLES ARE (<5') FROM OUTSIDE OF POLE TO TRENCH OF UTILITY CONSTRUCTION THE CONTRACTOR SHALL COORDINATE WITH CPS TO PROVIDE PROPER SHORING, BRACING, AND/OR OTHER SUITABLE SUPPORT FOR THE POLES DURING CONSTRUCTION.
 - SURVEY PREPARED BY MAESTRAS & ASSOCIATES, LLC DATED SEPTEMBER, 2022.

100% SUBMITTAL



LEGEND

PROP. SAN SEWER	—●—
PROP. LATERAL WITH TWO WAY CLEAN OUT	—○—
EXIST. WATER MAIN	—●—
EXIST. GAS MAIN	—2" G—
EXIST. SAN. SEWER	—8" SA—
EXIST. STORM SEWER	—12" ST—
OVER HEAD UTILITY	—OHU—
EXIST. RIGHT OF WAY	---
PROPERTY LINES	---
EXIST. EOP WITH CURB	---
EXIST. EOP WITHOUT CURB	---
EXIST. TREES	—TREE ID—
CONC. ENCASUREMENT DRIVEWAY & SIDEWALK REPAIR	[Hatched Pattern]
FLOWABLE FILL	[Solid Grey]
MILL AND OVERLAY	[Dotted Pattern]

Lockwood, Andrews & Newnam, Inc.
 A LEAD AGENCY COMPANY
 TBPE REGISTRATION NO.: F-2614

REVISIONS

2	ADDENDUM NO. 9	TRM	EMA	1/12/24
1	ADDENDUM NO. 5	TRM	EMA	12/28/23

REVISIONS

NO.	REVISION	DRAWN	APPROVED	DATE
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2021 CMOM PACKAGE 6 - OPEN CUT AND PIPE BURST
 SITE NO. 7 - COMPKY 973801
 WALLACE ST

DEVELOPER: _____
 CONT. _____ BUDGET PROJ.
 SUBMITTED _____
 APPROVED _____

MAP NO. 140576 SHEET 24
 SECT. NO. _____ OF 144
 DR. TRM CK. EMA JOB NO. 22-4510

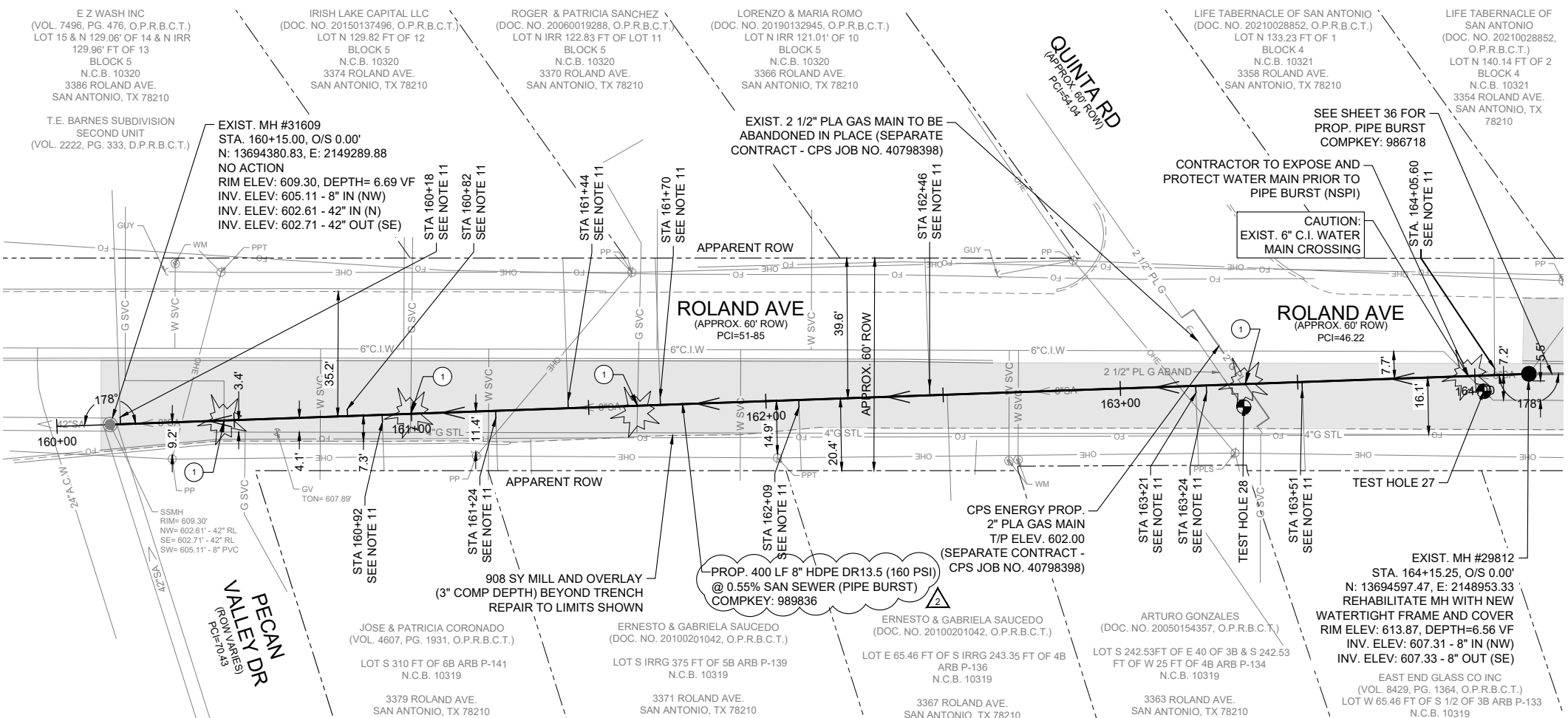
FILE:01_CXXX-CMOM_COPB PLPR 1-8.dwg PLOTTED: 1/12/2024 11:36 AM BY: GONZALEZ, MANUEL

TRENCH EXCAVATION SAFETY PROTECTION: CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES(S) IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

CPS ENERGY NOTE: CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
202.1	PRIME COAT (COSA SPEC)	GAL	182
203.1	TACK COAT (COSA SPEC)	GAL	91
205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP DEPTH) (COSA SPEC)	SY	163
205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (3" COMP DEPTH) (COSA SPEC)	SY	908
208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH) (COSA SPEC)	SY	908
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 20	EA	1
535.1	4 INCH WIDE YELLOW LINE (COSA SPEC)	LF	800
537.8	PAVEMENT MARKER (TYPE II-A-A) (COSA SPEC)	EA	20
865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 20	EA	1
866	SANITARY SEWER MAIN PRE-TELEVISION INSPECTION (8"-15" DIA)	LF	400
900	PIPE-BURST 8" SANITARY SEWER PIPE (ALL DEPTHS)	LF	400
910.1	MANHOLE REHABILITATION (STANDARD MANHOLES 4FT DIAMETER)	VF	7
1109.1	SERVICE RECONNECTION BY OPEN CUT EXCAVATION (ALL DEPTHS)	EA	12

- NOTES:**
- DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 - PROPERTY LINES SHOWN ARE APPROXIMATE AND RIGHT-OF WAY BOUNDARY LINE SHOWN IS APPARENT.
 - THE EXISTENCE AND LOCATION OF UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE BASED ON THE AVAILABLE PLAN-OF-RECORD DRAWINGS AND ARE NOT GUARANTEED TO BE ACCURATE. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO CONSTRUCTION (NSPI).
 - CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING LATERALS AND CLEANOUTS PRIOR TO CONSTRUCTION (NSPI).
 - CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS, DEPTHS, DISTANCES, PIPE SIZES AND GRADES OF EXISTING UTILITIES PRIOR TO CONSTRUCTION (NSPI).
 - CONTRACTOR SHALL USE EXTREME CAUTION AND CARE WHEN UNCOVERING UTILITIES DESIGNATED BY CAUTION LOCATE CROSSING STAR ON PLANS, HAND DIGGING (NSPI) MAY BE NECESSARY.
 - CONTRACTOR TO TAKE CAUTION WHILE EXCAVATING AND EXPOSE AND PROTECT GAS MAINS AND SERVICES WHERE CROSSING SEWER MAIN OR LATERALS PRIOR TO PIPE BURSTING, HAND DIGGING MAY BE NECESSARY (NSPI).
 - EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION, HAND DIGGING (NSPI) MAY BE NECESSARY. TREES FOUND ON PRIVATE PROPERTY WITH BRANCHES THAT OVERHANG ONTO PUBLIC ROW, WHERE IDENTIFIED, MAY REQUIRE TRIMMING, PRUNING, AND ROOT PROTECTION FOR CONSTRUCTION AND SHALL FOLLOW THE APPROVED TREE PERMIT (NSPI).
 - CONTRACTOR TO TAKE CAUTION WHEN CONSTRUCTING NEAR EXISTING POWER POLES. WHENEVER POWER/TEL. POLES ARE (<5') FROM OUTSIDE OF POLE TO TRENCH OF UTILITY CONSTRUCTION THE CONTRACTOR SHALL COORDINATE WITH CPS TO PROVIDE PROPER SHORING, BRACING, AND/OR OTHER SUITABLE SUPPORT FOR THE POLES DURING CONSTRUCTION.
 - CONTRACTOR TO LOCATE, VERIFY AND RECONNECT SEWER LATERALS BY OPEN CUT EXCAVATION AT THE SEWER MAIN PER SAWS ITEM 1109.
 - SURVEY PREPARED BY MAESTAS & ASSOCIATES, LLC DATED SEPTEMBER, 2022.



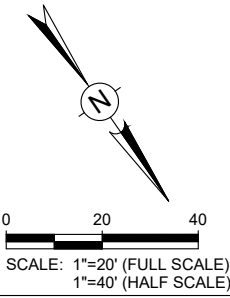
<p>TEST HOLE 27 6" CI WATER MAIN N: 13694594.27 E: 2148966.52 GROUND ELEV = 613.92 DEPTH = 5.01 OWNER: SAWS</p>	<p>TEST HOLE 28 2 1/2" PL GAS N: 13694559.24 E: 2149024.63 GROUND ELEV = 613.25 DEPTH = 5.88 OWNER: CPS ENERGY</p>
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SITE No. 20 - ROLAND AVE
COMPKEY 989836

FOR CONCEPTUAL BYPASS PLAN, SEE SHEET 69.
FOR CONCEPTUAL TRAFFIC CONTROL PLAN, SEE SHEET 106.

- SPECIAL NOTES:**
- THE ROLAND AVE PROJECT SITE NO. 20 SHALL BE A PRIORITY SITE FOR THE PROJECT SEQUENCE OF WORK AND SHALL BE COMPLETED IN A TIMELY MANNER PRIOR TO THE COSA 2025 IMP STREET RECONSTRUCTION PROJECT (ID 6248) BEGINS ON ROLAND AVE. CONTRACTOR TO COORDINATE WITH COSA ON PAVEMENT RESTORATION REQUIREMENTS.
 - THE CONTRACTOR MUST CONTACT AND COORDINATE WITH MICHELLE HERRERA AT DEMOCRACY PREP AT STEWART CAMPUS ELEMENTARY SCHOOL AT 210-438-6875 EXT. 66809 AT LEAST 2 WEEKS PRIOR TO START OF MOBILIZATION TO DISCUSS CONTRACTOR'S TRAFFIC CONTROL PLAN AND WORK SCHEDULE AS APPROVED BY COSA ROW. SEE SPECIAL CONDITIONS SC 1.1.

CAUTION: GAS SERVICE LINE CROSSING, SEE NOTE 7 & 8.



100% SUBMITTAL



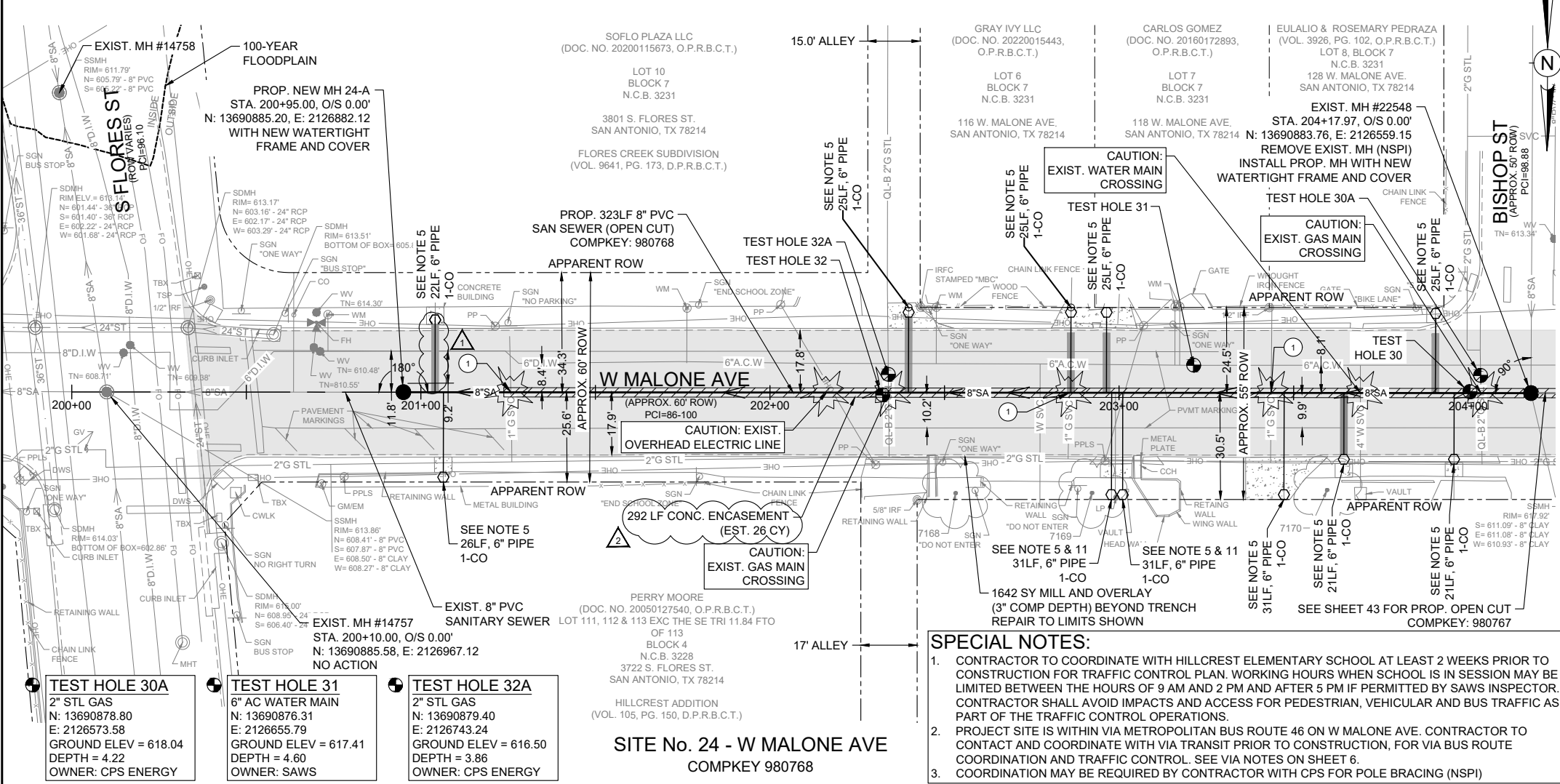
LEGEND

PROP. SAN SEWER	—●—
PROP. LATERAL WITH TWO WAY CLEAN OUT	—○—
EXIST. WATER MAIN	—●—
EXIST. GAS MAIN	—2"G—
EXIST. SAN. SEWER	—8"SA—
EXIST. STORM SEWER	—12"ST—
OVER HEAD UTILITY	—O/HU—
EXIST. RIGHT OF WAY	---
PROPERTY LINES	---
EXIST. EOP WITH CURB	---
EXIST. EOP WITHOUT CURB	---
EXIST. TREES	—TREE ID—
CONC. ENCASEMENT DRIVEWAY & SIDEWALK REPAIR	▨
FLOWABLE FILL	▩
MILL AND OVERLAY	▧

<p>Lockwood, Andrews & Newman, Inc. A LEO A DALY COMPANY TBPE REGISTRATION NO.: F-2614</p>				
2	ADDENDUM NO. 9	TRM	EMA	1/12/24
NO.	REVISION	DRAWN	APPROVED	DATE
<p>REVISIONS</p>				
<p>2021 CMOM PACKAGE 6 - OPEN CUT AND PIPE BURST</p>				
<p>SITE NO. 20 - COMPKEY 989836 ROLAND AVE</p>				
<p>DEVELOPER: _____</p>				
<p>CONT. _____</p>		<p>BUDGET PROJ. _____</p>		
<p>SUBMITTED _____</p>				
<p>APPROVED _____</p>				
<p>MAP NO. 178568, 180568</p>		<p>SHEET 35 OF 144</p>		
<p>SECT. NO. _____</p>		<p>DR. TRM CK. MRG JOB NO. 22-4510</p>		

TRENCH EXCAVATION SAFETY PROTECTION: CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES(S) IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY SYSTEMS THAT COMPLY WITH, AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

CPS ENERGY NOTE: CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, 48 HOURS BEFORE BEGINNING ANY EXCAVATION.

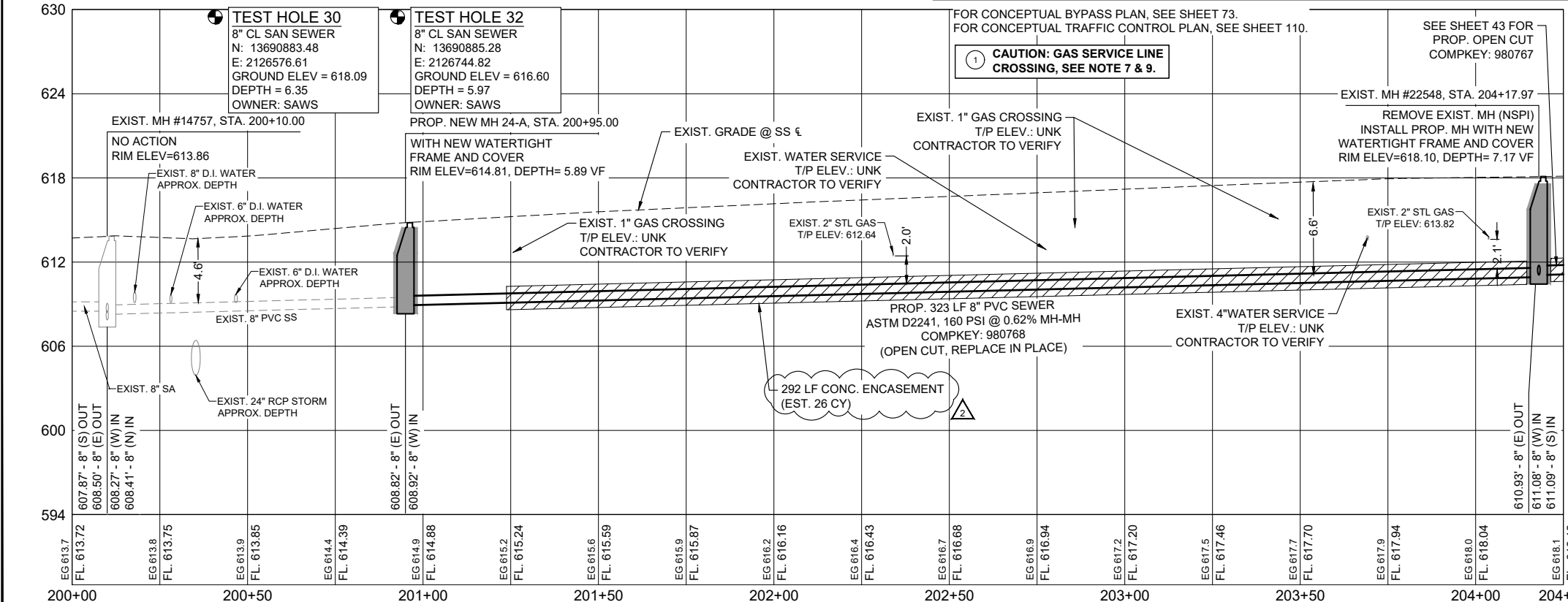


ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	60
103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	581
202.1	PRIME COAT (COSA SPEC)	GAL	329
203.1	TACK COAT (COSA SPEC)	GAL	165
205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP DEPTH) (COSA SPEC)	SY	132
205.3	HOT MIX ASPHALTIC PAVEMENT, TYPE C (3" COMP DEPTH) (COSA SPEC)	SY	1642
208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH) (COSA SPEC)	SY	1642
299	FLOWABLE FILL (HIGH STRENGTH)	CY	24
500.1	CONCRETE CURB (COSA SPEC)	LF	60
502.1	CONCRETE SIDEWALKS (COSA SPEC)	SY	17
503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS (COSA SPEC)	SY	49
506	CONCRETE RETAINING WALL - COMBINATION TYPE (COSA SPEC)	CY	2.5
530.1	BARRICADES, SIGNS, AND TRAFFIC HANDLING (COSA SPEC) - SITE NO. 24	EA	1
535.2	4 INCH WIDE WHITE LINE (COSA SPEC)	LF	90
535.4	8 INCH WIDE WHITE LINE (COSA SPEC)	LF	547
535.7	24 INCH WIDE WHITE LINE (COSA SPEC)	LF	95
535.13	STRAIGHT WHITE ARROW (COSA SPEC)	EA	1
535.17	BICYCLE RIDER SYMBOL (COSA SPEC)	EA	1
537.7	PAVEMENT MARKER (TYPE I-R) (COSA SPEC)	EA	8
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	323
848	8" PVC SANITARY SEWER PIPE (SDR 26, ASTM D2241) (ALL DEPTHS)	LF	323
852.8.1	SANITARY SEWER MANHOLE (0' - 6' DEPTH) (WATERTIGHT)	EA	2
852.8.2	EXTRA DEPTH MANHOLES (> 6' DEEP)	VF	1
854.1	SANITARY SEWER LATERALS (SDR 26, ASTM D2241, 160 PSI)	LF	283
854.2	TWO-WAY SANITARY SEWER CLEAN-OUT	EA	10
858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	27
865	BYPASS PUMPING (SMALL DIAMETER SANITARY SEWERS) - SITE NO. 24	EA	1
866	SANITARY SEWER MAIN PRE-TELEVISION INSPECTION (8"-15" DIA)	LF	323
866	SANITARY SEWER MAIN POST-TELEVISION INSPECTION (8"-15" DIA)	LF	323

- NOTES:**
- DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
 - PROPERTY LINES SHOWN ARE APPROXIMATE AND RIGHT-OF WAY BOUNDARY LINE SHOWN IS APPARENT.
 - THE EXISTENCE AND LOCATION OF UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE BASED ON THE AVAILABLE PLAN-OF-RECORD DRAWINGS AND ARE NOT GUARANTEED TO BE ACCURATE.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS PRIOR TO CONSTRUCTION (NSPI).
 - CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING LATERALS AND CLEANOUTS PRIOR TO CONSTRUCTION (NSPI).
 - CONTRACTOR SHALL EXPOSE AND VERIFY LOCATIONS, DEPTHS, DISTANCES, PIPE SIZES AND GRADES OF EXISTING UTILITIES PRIOR TO CONSTRUCTION (NSPI).
 - CONTRACTOR SHALL USE EXTREME CAUTION AND CARE WHEN UNCOVERING UTILITIES DESIGNATED BY CAUTION LOCATE CROSSING STAR ON PLANS, HAND DIGGING (NSPI) MAY BE NECESSARY.
 - LATERALS SHALL BE INSTALLED TO THE APPARENT ROW BOUNDARY LINE WITH CLEANOUT AND SAWS APPROVED THREADED CLEANOUT CAP (NSPI). TRAFFIC RATED CAST IRON FRAME AND GATE CAP (NSPI) REQUIRED FOR SEWER CLEANOUTS IN SIDEWALK OR DRIVEWAY AND PAVEMENT PER SAWS STANDARD DETAIL DD-854-02.
 - CONTRACTOR TO TAKE CAUTION WHILE EXCAVATING FOR SEWER MAIN AND LATERALS AT EXISTING GAS MAIN CROSSINGS AND EXPOSE AND PROTECT GAS MAINS AND GAS SERVICES WHERE CROSSING SEWER MAIN OR LATERALS, HAND DIGGING MAY BE NECESSARY (NSPI).
 - EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION, HAND DIGGING (NSPI) MAY BE NECESSARY. TREES FOUND ON PRIVATE PROPERTY WITH BRANCHES THAT OVERHANG ONTO PUBLIC ROW, WHERE IDENTIFIED, MAY REQUIRE TRIMMING, PRUNING, AND ROOT PROTECTION FOR CONSTRUCTION AND SHALL FOLLOW THE APPROVED TREE PERMIT (NSPI).
 - CONTRACTOR TO TAKE CAUTION WHEN CONSTRUCTING NEAR EXISTING POWER POLES. WHENEVER POWER/TEL. POLES ARE (<5') FROM OUTSIDE OF POLE TO TRENCH OF UTILITY CONSTRUCTION THE CONTRACTOR SHALL COORDINATE WITH CPS TO PROVIDE PROPER SHORING, BRACING, AND/OR OTHER SUITABLE SUPPORT FOR THE POLES DURING CONSTRUCTION.
 - SURVEY PREPARED BY MAESTAS & ASSOCIATES, LLC DATED SEPTEMBER, 2022.

- SPECIAL NOTES:**
- CONTRACTOR TO COORDINATE WITH HILLCREST ELEMENTARY SCHOOL AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION FOR TRAFFIC CONTROL PLAN. WORKING HOURS WHEN SCHOOL IS IN SESSION MAY BE LIMITED BETWEEN THE HOURS OF 9 AM AND 2 PM AND AFTER 5 PM IF PERMITTED BY SAWS INSPECTOR. CONTRACTOR SHALL AVOID IMPACTS AND ACCESS FOR PEDESTRIAN, VEHICULAR AND BUS TRAFFIC AS PART OF THE TRAFFIC CONTROL OPERATIONS.
 - PROJECT SITE IS WITHIN VIA METROPOLITAN BUS ROUTE 46 ON W MALONE AVE. CONTRACTOR TO CONTACT AND COORDINATE WITH VIA TRANSIT PRIOR TO CONSTRUCTION, FOR VIA BUS ROUTE COORDINATION AND TRAFFIC CONTROL. SEE VIA NOTES ON SHEET 6.
 - COORDINATION MAY BE REQUIRED BY CONTRACTOR WITH CPS FOR POLE BRACING (NSPI)

SITE No. 24 - W MALONE AVE
COMPKEY 980768



100% SUBMITTAL

SCALE: 1"=20' H, 1"=5' V (FULL SCALE)
1"=40' H, 1"=10' V (HALF SCALE)

LEGEND

- PROP. SAN SEWER
- PROP. LATERAL WITH TWO WAY CLEAN OUT
- EXIST. WATER MAIN
- EXIST. GAS MAIN
- EXIST. SAN. SEWER
- EXIST. STORM SEWER
- OVER HEAD UTILITY
- EXIST. RIGHT OF WAY
- PROPERTY LINES
- EXIST. EOP WITH CURB
- EXIST. EOP WITHOUT CURB
- EXIST. TREES
- CONC. ENCASEMENT
- DRIVEWAY & SIDEWALK REPAIR
- FLOWABLE FILL
- MILL AND OVERLAY

REVISIONS

2	ADDENDUM NO. 9	TRM	EMA	1/12/24
1	ADDENDUM NO. 5	TRM	EMA	12/28/23

REVISIONS

- 2021 CMOM PACKAGE 6 - OPEN CUT AND PIPE BURST
- SITE NO. 24 - COMPKEY 980768 W MALONE AVE

DEVELOPER: **Lockwood, Andrews & Newman, Inc.**
A LEAD A DAILY COMPANY
TBPE REGISTRATION NO.: F-2614

CONT. _____ BUDGET PROJ. _____

SUBMITTED _____
APPROVED _____

MAP NO. 156564, 158564 SHEET 42
SECT. NO. _____ OF 144
DR. TRM CK. MRG JOB NO. 22-4510

FILE:04_CXXX-CMOM_OCPB PLPR 23-27.dwg PLOTTED: 1/12/2024 11:38 AM BY: GONZALEZ, MANUEL

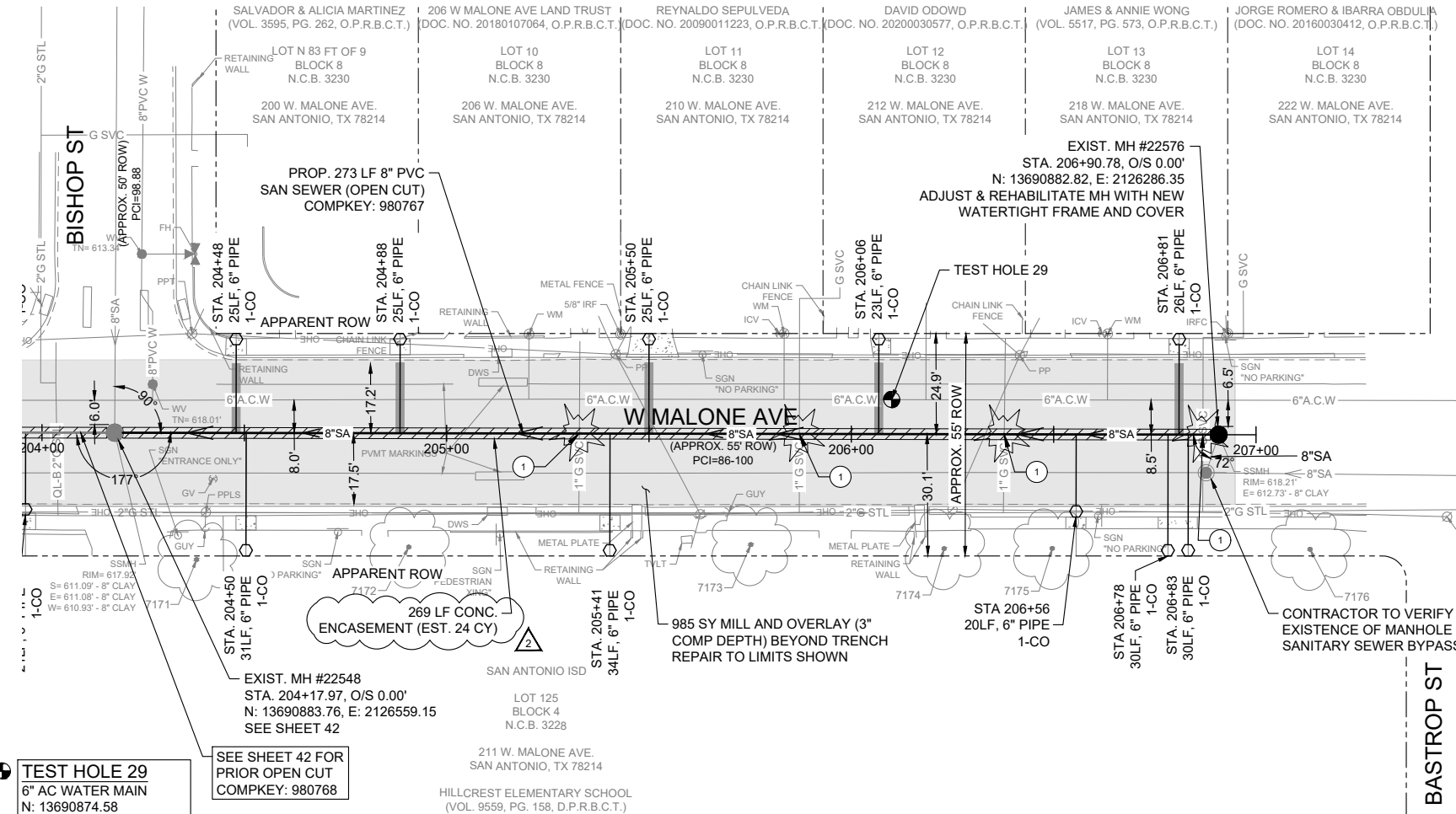
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ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	UNIT	QTY
103.1	REMOVE CONCRETE CURB (COSA SPEC)	LF	90
103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (COSA SPEC)	SF	244
202.1	PRIME COAT (COSA SPEC)	GAL	197
203.1	TACK COAT (COSA SPEC)	GAL	99
205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP DEPTH) (COSA SPEC)	SY	112
205.3	HOT MIX ASPHALTIC PAVEMENT, TYPE C (3" COMP DEPTH) (COSA SPEC)	SY	985
208.1	SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH) (COSA SPEC)	SY	985
299	FLOWABLE FILL (HIGH STRENGTH)	CY	20
500.1	CONCRETE CURB (COSA SPEC)	LF	90
502.1	CONCRETE SIDEWALKS (COSA SPEC)	SY	20
503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS (COSA SPEC)	SY	8
506	CONCRETE RETAINING WALL - COMBINATION TYPE (COSA SPEC)	CY	2
535.2	4 INCH WIDE WHITE LINE (COSA SPEC)	LF	80
535.4	8 INCH WIDE WHITE LINE (COSA SPEC)	LF	596
535.7	24 INCH WIDE WHITE LINE (COSA SPEC)	LF	60
535.13	STRAIGHT WHITE ARROW (COSA SPEC)	EA	1
535.17	BICYCLE RIDER SYMBOL (COSA SPEC)	EA	1
537.7	PAVEMENT MARKER (TYPE I-R) (COSA SPEC)	EA	6
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	273
848	8" PVC SANITARY SEWER PIPE (SDR 26, ASTM D2241) (ALL DEPTHS)	LF	273
851	EXISTING MANHOLE ADJUSTMENT	EA	1
854.1	SANITARY SEWER MAINS (SDR 26, ASTM D2241, 160 PSI)	LF	269
854.2	TWO-WAY SANITARY SEWER CLEAN-OUT	EA	10
858	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	CY	24
866	SANITARY SEWER MAIN PRE-TELEVISION INSPECTION (8"-15" DIA)	LF	273
866	SANITARY SEWER MAIN POST-TELEVISION INSPECTION (8"-15" DIA)	LF	273
910.1	MANHOLE REHABILITATION (STANDARD MANHOLES 4FT DIAMETER)	VF	6

NOTES:

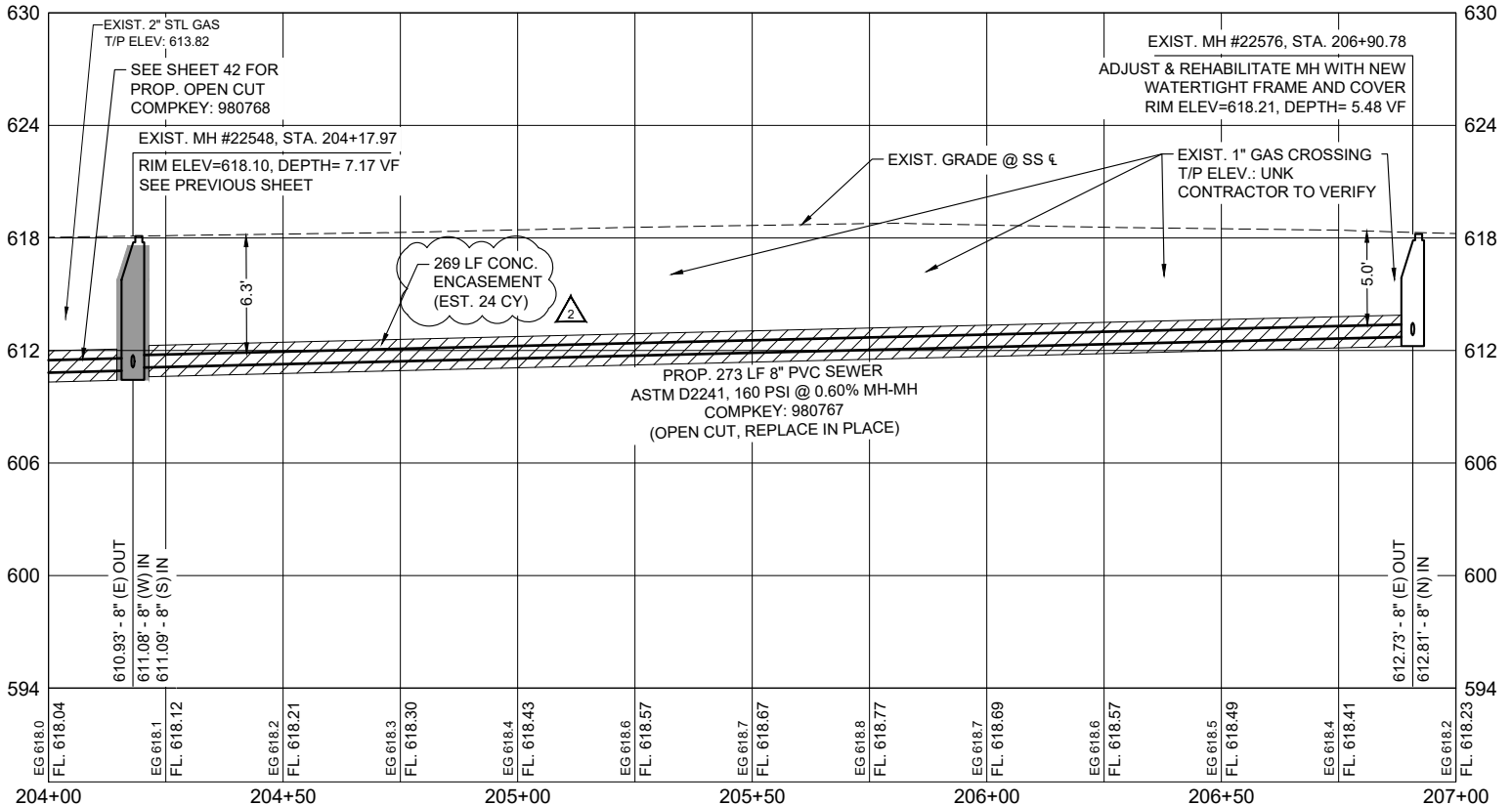
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- SURVEY PREPARED BY MAESTAS & ASSOCIATES, LLC DATED SEPTEMBER, 2022.



SITE No. 24 - W MALONE AVE
COMPKEY 980767

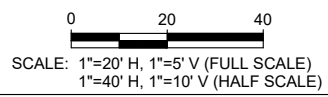
FOR CONCEPTUAL BYPASS PLAN, SEE SHEET 73.
FOR CONCEPTUAL TRAFFIC CONTROL PLAN, SEE SHEET 110.

CAUTION: GAS SERVICE LINE CROSSING, SEE NOTE 7 & 9.



SPECIAL NOTES:

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- PROP. LATERAL WITH TWO WAY CLEAN OUT
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100% SUBMITTAL

Lockwood, Andrews & Newman, Inc.
A LEAD A DAILY COMPANY
TBPE REGISTRATION NO.: F-2614

2	ADDENDUM NO. 9	TRM	EMA	1/12/24
NO.	REVISION	DRAWN	APPROVED	DATE

REVISIONS

2021 CMOM PACKAGE 6 - OPEN CUT AND PIPE BURST

SITE NO. 24 - COMPKEY 980767
W MALONE AVE

DEVELOPER: _____
CONT. _____ BUDGET PROJ. _____

SUBMITTED _____
APPROVED _____

MAP NO. 156564, 158564
SECT. NO. _____
DR. TRM CK. MRG JOB NO. 22-4510

SHEET 43 OF 144

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