



**2019 Dead End Water Main Elimination Project
Solicitation Number: CO-00326-SM
Job No.: 19-4004**

**ADDENDUM 2
Date: 07/29/2020**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications 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 on the space provided in submitted copies of the bid proposal.

RESPONSES TO QUESTIONS

No additional questions and responses.

CHANGES TO THE SPECIFICATIONS

- Bid Proposal:** Replace the Bid Proposal in its entirety and replaced with the attached Bid Proposal. The Item Ids have been revised in the Bid Proposal. Following quantities were added to the Bid Proposal.

ITEM ID	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
2	307.1	CONCRETE STRUCTURES (RETAINING WALLS)	CY	5
10	801.3	TREE PROTECTION- LEVEL IIB	LS	1
54	836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.4
58	858.0	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	C.Y.	1
60	COSA 413	FLOWABLE FILL	C.Y.	14

All other sections of the Instructions to Bidders shall remain the same.

CHANGES TO THE PLANS

- Sheet No. 4 of 27 (Summary of Quantities):** Replace Sheet 4 in its entirety with attached Sheet 4. The Item No. and quantities have been revised in the Bid Proposal.
- Sheet No. 9 of 27 (W Quincy Street Site):** Replace Sheet 9 in its entirety with attached Sheet 9. During a SUE pothole survey at the site, an existing waterline was found to be towards the center of the N Flores Street. The proposed tie-in location, tie-in assembly and profile, mill and overlay area, flowable fill, and quantities have been revised.

CLARIFICATIONS

- The estimated cost for this project has changed to \$893,000.00, which is reflected on SAWS website at the following link:

https://apps.saws.org/business_center/contractsol/Drill.cfm?id=3832&View=Yes

END OF ADDENDUM

This Addendum is twelve (12) page(s) in its entirety.

Attachments:

1. Bid Proposal
2. Revised Sheet 4 of 27 (Summary of Quantities)
3. Revised Sheet 9 of 27 (W Quincy Street Site)


K. W. Chan, P.E.

Unintech Consulting Engineer, Inc.



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 Nos. _____

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 **200** 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

BID PROPOSAL – JAMAR SITE (1)

ESTIMATED QUANTITIES FOR JAMAR SITE						
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS	SF	918	\$	\$
2	307.1	CONCRETE STRUCTURES (RETAINING WALLS)	CY	5	\$	\$
3	502.1	CONCRETE SIDEWALKS	SY	17	\$	\$
4	503.2	PORTLAND CEMENT CONCRETE DRIVEWAYS-COMMERCIAL	SY	85	\$	\$
5	506.0	RETAINING WALL - COMB TYPE	CY	3	\$	\$
6	515.1	TOPSOIL	CY	90	\$	\$
7	516.1	BERMUDA SOD	SY	534	\$	\$
8	530.1	BARRICADE, SIGNS AND TRAFFIC HANDLING (LS)	LS	1	\$	\$
9	550.0	TRENCH EXCAVATION SAFETY PROTECTION	LF	50	\$	\$
10	801.3	TREE PROTECTION- LEVEL IIB	LS	1	\$	\$
11	814.0	12" DUCTILE IRON PIPE (OPEN CUT)	LF	50	\$	\$
12	828.0	12" GATE VALVES	EA.	2	\$	\$
13	831.0	12" CUT-IN TEE	EA.	1	\$	\$
14	836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.5	\$	\$
15	840.0	6" WATER TIE-INS	EA.	1	\$	\$
16	841.0	HYDROSTATIC TESTING	EA.	1	\$	\$
17	844.0	2" BLOWOFF, TEMPORARY	EA.	2	\$	\$
18	846.0	1" COMBINATION AIR AND VACUUM RELEASE VALVE	EA.	2	\$	\$
19	856.1	JACKING, BORING, OR TUNNELING 24"	L.F.	140	\$	\$

20	856.2	12" CARRIER PIPE FOR JACKING, BORING, TUNNELING	L.F.	140	\$	\$
21	856.3	STEEL CASING 24"	L.F.	140	\$	\$
SUBTOTAL (ITEM 1 - 21)					\$	

BID PROPOSAL – W. TRAVIS SITE (2)

ESTIMATED QUANTITIES FOR W. TRAVIS SITE						
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
22	104.3	REMOVE MISC. CONCRETE	SF	200	\$	\$
23	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH)	SY	60	\$	\$
24	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)	SY	89	\$	\$
25	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH)	SY	89	\$	\$
26	307.2	CONCRETE STRUCTURES (MISC)	SY	22	\$	\$
27	515.1	TOPSOIL	CY	4	\$	\$
28	520.1	HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	30	\$	\$
29	530.1	BARRICADE, SIGNS AND TRAFFIC HANDLING (LS)	LS	1	\$	\$
30	550.0	TRENCH EXCAVATION SAFETY PROTECTION	LF	49	\$	\$
31	815.0	8" HDPE WATERLINE (OPEN CUT) (DR11) (200 PSI)	LF	49	\$	\$
32	828.0	8" GATE VALVES	EA.	2	\$	\$
33	836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.4	\$	\$
34	840.0	6" WATER TIE-INS	EA.	2	\$	\$
35	841.0	HYDROSTATIC TESTING	EA.	1	\$	\$
36	844.0	2" BLOWOFF, TEMPORARY	EA.	2	\$	\$
37	846.0	1" COMBINATION AIR AND VACUUM RELEASE VALVE	EA.	2	\$	\$

38	3010.0	8" HDPE WATERLINE (HDD) (DR11) (200 PSI)	LF	232	\$	\$
SUBTOTAL (ITEM 22 – 38)					\$	

BID PROPOSAL – W QUINCY SITE (3)

ESTIMATED QUANTITIES FOR W. QUINCY SITE						
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
39	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS	SF	45	\$	\$
40	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (12" COMP. DEPTH)	SY	137	\$	\$
41	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (3" COMP. DEPTH)	SY	1444	\$	\$
42	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (3" DEPTH)	SY	1444	\$	\$
43	502.1	CONCRETE SIDEWALKS	SY	5	\$	\$
44	530.1	BARRICADE, SIGNS AND TRAFFIC HANDLING (LS)	LS	1	\$	\$
45	535.5	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (12" WIDE YELLOW LINE)	LF	120	\$	\$
46	535.7	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE YELLOW LINE)	LF	60	\$	\$
47	535.7	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE WHITE LINE)	LF	180	\$	\$
48	550.0	TRENCH EXCAVATION SAFETY PROTECTION	LF	320	\$	\$
49	814.0	6" DUCTILE IRON PIPE (OPEN CUT)	LF	12	\$	\$
50	818.0	8" PVC WATERLINE (OPEN CUT) (C-900) (DR18) (235 PSI)	LF	308	\$	\$
51	828.0	8" GATE VALVES	EA.	2	\$	\$
52	832.0	12" X 8" TAPPING SLEEVES & VALVES	EA.	1	\$	\$
53	834.1	FIRE HYDRANT	EA.	1	\$	\$
54	836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.4	\$	\$
55	840.0	8" WATER TIE-INS	EA.	1	\$	\$

56	841.0	HYDROSTATIC TESTING	EA.	1	\$	\$
57	844.0	2" BLOWOFF, TEMPORARY	EA.	2	\$	\$
58	858.0	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	C.Y.	1	\$	\$
59	3000.0	REMOVAL, TRANSPORTATION, AND DISPOSAL OF AC PIPE	LF	26	\$	\$
60	COSA 413	FLOWABLE FILL	C.Y.	15	\$	\$
SUBTOTAL (ITEM 39 - 60)					\$	

BID PROPOSAL – W. BUCHANAN SITE (4)

ESTIMATED QUANTITIES FOR W BUCHANAN SITE						
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
61	515.1	TOPSOIL	CY	99	\$	\$
62	520.1	HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	889	\$	\$
63	530.1	BARRICADE, SIGNS AND TRAFFIC HANDLING (LS)	LS	1	\$	\$
64	540.9	TEMPORARY SEDIMENT CONTROL FENCE	LF	70	\$	\$
65	550.0	TRENCH EXCAVATION SAFETY PROTECTION	LF	335	\$	\$
66	818.0	6" PVC WATERLINE (OPEN CUT) (C-900) (DR18) (235 PSI)	LF	5	\$	\$
67	818.0	8" PVC WATERLINE (OPEN CUT) (C-900) (DR18) (235 PSI)	LF	330	\$	\$
68	828.0	8" GATE VALVES	EA.	1	\$	\$
69	834.1	FIRE HYDRANT	EA.	1	\$	\$
70	836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.10	\$	\$
71	840.0	6" WATER TIE-INS	EA.	1	\$	\$
72	840.0	8" WATER TIE-INS	EA.	1	\$	\$
73	841.0	HYDROSTATIC TESTING	EA.	1	\$	\$

74	844.0	2" BLOWOFF, TEMPORARY	EA.	2	\$	\$
SUBTOTAL (ITEM 61 - 74)					\$	

BID PROPOSAL – SAN FERNANDO (5)

ESTIMATED QUANTITIES FOR SAN FERNANDO SITE

ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
75	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS	SF	30	\$	\$
76	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH)	SY	23	\$	\$
77	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)	SY	214	\$	\$
78	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH)	SY	214	\$	\$
79	502.1	CONCRETE SIDEWALKS	SY	56	\$	\$
80	515.1	TOPSOIL	CY	8	\$	\$
81	520.1	HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	67	\$	\$
82	530.1	BARRICADE, SIGNS AND TRAFFIC HANDLING (LS)	LS	1	\$	\$
83	540.9	TEMPORARY SEDIMENT CONTROL FENCE	LF	96	\$	\$
84	550.0	TRENCH EXCAVATION SAFETY PROTECTION	LF	68	\$	\$
85	815.0	8" HDPE WATERLINE (OPEN CUT) (DR11) (200 PSI)	LF	68	\$	\$
86	828.0	8" GATE VALVES	EA.	1	\$	\$
87	834.1	FIRE HYDRANT	EA.	1	\$	\$
88	836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.50	\$	\$
89	840.0	8" WATER TIE-INS	EA.	2	\$	\$
90	841.0	HYDROSTATIC TESTING	EA.	1	\$	\$

91	844.0	2" BLOWOFF, TEMPORARY	EA.	2	\$	\$
92	846.0	1" COMBINATION AIR AND VACUUM RELEASE VALVE	EA.	2	\$	\$
93	3010.0	8" HDPE WATERLINE (HDD) (DR11) (200 PSI)	LF	264	\$	\$
SUBTOTAL (ITEM 75 - 93)					\$	

BID PROPOSAL – BLACKHAWK PASS (6)

ESTIMATED QUANTITIES FOR BLACKHAWK PASS SITE						
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
94	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS	SF	891	\$	\$
95	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH)	SY	27	\$	\$
96	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)	SY	336	\$	\$
97	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH)	SY	336	\$	\$
98	502.1	CONCRETE SIDEWALKS	SY	75	\$	\$
99	503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS	SY	91	\$	\$
100	515.1	TOPSOIL	CY	266	\$	\$
101	520.1	HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	1980	\$	\$
102	530.1	BARRICADE, SIGNS AND TRAFFIC HANDLING (LS)	LS	4	\$	\$
103	550.0	TRENCH EXCAVATION SAFETY PROTECTION	LF	886	\$	\$
104	817.0	3" PVC WATERLINE (OPEN CUT) (SCH. 80) (235 PSI)	LF	14	\$	\$
105	818.0	8" PVC WATERLINE (OPEN CUT) (C-900) (DR18) (235 PSI)	LF	837	\$	\$
106	818.0	12" PVC WATERLINE (OPEN CUT) (DR18) (235 PSI)	LF	35	\$	\$
107	824.0	RELAY 2" SHORT SERVICE	EA.	2	\$	\$
108	828.0	8" GATE VALVES	EA.	6	\$	\$

109	834.1	FIRE HYDRANT	EA.	1	\$	\$
110	836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	1.50	\$	\$
111	839.0	3" WATER TIE-INS	EA.	2	\$	\$
112	840.0	8" WATER TIE-INS	EA.	7	\$	\$
113	840.0	12" WATER TIE-INS	EA.	1	\$	\$
114	841.0	HYDROSTATIC TESTING	EA.	4	\$	\$
115	844.0	2" BLOWOFF, TEMPORARY	EA.	10	\$	\$
116	846.0	1" COMBINATION AIR AND VACUUM RELEASE VALVE	EA.	1	\$	\$
SUBTOTAL (ITEM 94 - 116)					\$	

GRAND TOTAL ESTIMATED CONSTRUCTION COST (ITEM 1 TO 116)						\$
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
117	100.1	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEM 1-116	LS	1	\$	\$
118	100.2	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (OPEN-CUT)	EA.	1	\$	\$
119	100.3	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (HDD, JACKING, BORING, OR TUNNELING)	EA.	1	\$	\$
120	101.1	PREPARING ROW, MAX 5% OF LINE ITEM 1-116	LS	1	\$	\$
Mobilization and Prep of ROW shall be limited to the maximum percentage shown. If the percentage 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 – 120)					\$	

ESTIMATED QUANTITIES FOR JAMAR SITE				
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITIES
1	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS	SF	918
2	307.1	CONCRETE STRUCTURES (RETAINING WALLS)	CY	5
3	502.1	CONCRETE SIDEWALKS	SY	17
4	503.2	PORTLAND CEMENT CONCRETE DRIVEWAYS-COMMERCIAL	SY	85
5	506	RETAINING WALL - COMB TYPE	CY	3
6	515.1	TOPSOIL	CY	90
7	516.1	BERMUDA SOD	SY	534
8	530.1	BARRICADE,SIGNS AND TRAFFIC HANDLING (LS)	LS	1
9	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	50
10	801.3	TREE PROTECTION- LEVEL IIB	LS	1
11	814	12" DUCTILE IRON PIPE (OPEN CUT)	LF	50
12	828	12" GATE VALVES	EA.	2
13	831	12" CUT-IN TEE	EA.	1
14	836	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.5
15	840	6" WATER TIE-INS	EA.	1
16	841	HYDROSTATIC TESTING	EA.	1
17	844	2" BLOWOFF, TEMPORARY	EA.	2
18	846	1" COMBINATION AIR AND VACUUM RELEASE VALVE	EA.	2
19	856.1	JACKING, BORING, OR TUNNELING 24"	L.F.	140
20	856.2	12" CARRIER PIPE FOR JACKING, BORING, TUNNELING	L.F.	140
21	856.3	STEEL CASING 24"	L.F.	140

ESTIMATED QUANTITIES FOR W. TRAVIS SITE				
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITIES
22	104.3	REMOVE MISC. CONCRETE	SF	200
23	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH)	SY	60
24	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)	SY	89
25	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH)	SY	89
26	307.2	CONCRETE STRUCTURES (MISC)	SY	22
27	515.1	TOPSOIL	CY	4
28	520.1	HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	30
29	530.1	BARRICADE,SIGNS AND TRAFFIC HANDLING (LS)	LS	1
30	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	49
31	815.0	8" HDPE WATERLINE (OPEN CUT) (DR11) (200 PSI)	LF	49
32	828.0	8" GATE VALVES	EA.	2
33	836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.4
34	840.0	6" WATER TIE-INS	EA.	2
35	841.0	HYDROSTATIC TESTING	EA.	1
36	844	2" BLOWOFF, TEMPORARY	EA.	2
37	846	1" COMBINATION AIR AND VACUUM RELEASE VALVE	EA.	2
38	3010.0	8" HDPE WATERLINE (HDD) (DR11) (200 PSI)	LF	232

ESTIMATED QUANTITIES FOR W. QUINCY SITE				
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITIES
39	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS	SF	45
40	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (12" COMP. DEPTH)	SY	137
41	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (3" COMP. DEPTH)	SY	1444
42	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT(3" DEPTH)	SY	1444
43	502.1	CONCRETE SIDEWALKS	SY	5
44	530.1	BARRICADE,SIGNS AND TRAFFIC HANDLING (LS)	LS	1
45	535.5	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (12" WIDE YELLOW LINE)	LF	120
46	535.7	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE YELLOW LINE)	LF	60
47	535.7	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE WHITE LINE)	LF	180
48	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	320
49	814	6" DUCTILE IRON PIPE (OPEN CUT)	LF	12
50	818	8" PVC WATERLINE (OPEN CUT) (C-900) (DR18) (235 PSI)	LF	308
51	828	8" GATE VALVES	EA.	2
52	832	12" X 8" TAPPING SLEEVES & VALVES	EA.	1
53	834.1	FIRE HYDRANT	EA.	1
54	836	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.4
55	840	8" WATER TIE-INS	EA.	1
56	841	HYDROSTATIC TESTING	EA.	1
57	844	2" BLOWOFF, TEMPORARY	EA.	2
58	858	CONCRETE ENCASMENT, CRADLES, SADDLES AND COLLARS	CY	1
59	3000	REMOVAL, TRANSPORTATION, AND DISPOSAL OF AC PIPE	LF	26
60	COSA 413	Flowable Fill	LF	14

ESTIMATED QUANTITIES FOR W. BUCHANAN SITE				
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITIES
61	515.1	TOPSOIL	CY	99
62	520.1	HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	889
63	530.1	BARRICADE,SIGNS AND TRAFFIC HANDLING (LS)	LS	1
64	540.9	TEMPORARY SEDIMENT CONTROL FENCE	LF	70
65	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	335
66	818	6" PVC WATERLINE (OPEN CUT) (C-900) (DR18) (235 PSI)	LF	5
67	818	8" PVC WATERLINE (OPEN CUT) (C-900) (DR18) (235 PSI)	LF	330
68	828	8" GATE VALVES	EA.	1
69	834.1	FIRE HYDRANT	EA.	1
70	836	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.1
71	840	6" WATER TIE-INS	EA.	1
72	840	8" WATER TIE-INS	EA.	1
73	841	HYDROSTATIC TESTING	EA.	1
74	844	2" BLOWOFF, TEMPORARY	EA.	2

ESTIMATED QUANTITIES FOR SAN FERNANDO ST SITE				
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITIES
75	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS	SF	30
76	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH)	SY	23
77	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)	SY	214
78	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH)	SY	214
79	502.1	CONCRETE SIDEWALKS	SY	56
80	515.1	TOPSOIL	CY	8
81	520.1	HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	67
82	530.1	BARRICADE,SIGNS AND TRAFFIC HANDLING (LS)	LS	1
83	540.9	TEMPORARY SEDIMENT CONTROL FENCE	LF	96
84	550.0	TRENCH EXCAVATION SAFETY PROTECTION	LF	68
85	815.0	8" HDPE WATERLINE (OPEN CUT) (DR11) (200 PSI)	LF	68
86	828	8" GATE VALVES	EA.	1
87	834.1	FIRE HYDRANT	EA.	1
88	836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.5
89	840	8" WATER TIE-INS	EA.	2
90	841.0	HYDROSTATIC TESTING	EA.	1
91	844.0	2" BLOWOFF, TEMPORARY	EA.	2
92	846.0	1" COMBINATION AIR AND VACUUM RELEASE VALVE	EA.	2
93	3010.0	8" HDPE WATERLINE (HDD) (DR11) (200 PSI)	LF	264

ESTIMATED QUANTITIES FOR BLACKHAWK PASS SITE				
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITIES
94	103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS	SF	891
95	205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (10" COMP. DEPTH)	SY	27
96	205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (2" COMP. DEPTH)	SY	336
97	208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE	SY	336
98	502.1	CONCRETE SIDEWALKS	SY	75
99	503.1	PORTLAND CEMENT CONCRETE DRIVEWAYS	SY	91
100	515.1	TOPSOIL	CY	266
101	520.1	HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	1980
102	530.1	BARRICADE,SIGNS AND TRAFFIC HANDLING (LS)	LS	1
103	550	TRENCH EXCAVATION SAFETY PROTECTION	LF	886
104	817	3" PVC WATERLINE (OPEN CUT) (SCH. 80) (235 PSI)	LF	14
105	818	8" PVC WATERLINE (OPEN CUT) (C-900) (DR18) (235 PSI)	LF	837
106	818	12" PVC WATERLINE (OPEN CUT) (DR18) (235 PSI)	LF	35
107	824	RELAY 2" SHORT SERVICE	EA.	2
108	828	8" GATE VALVES	EA.	6
109	834.1	FIRE HYDRANT	EA.	1
110	836	PIPE FITTINGS, ALL SIZES AND TYPES	TON	1.5
111	839	3" WATER TIE-INS	EA.	2
112	840	8" WATER TIE-INS	EA.	7
113	840	12" WATER TIE-INS	EA.	1
114	841	HYDROSTATIC TESTING	EA.	4
115	844	2" BLOWOFF, TEMPORARY	EA.	10
116	846	1" COMBINATION AIR AND VACUUM RELEASE VALVE	EA.	1

GRAND TOTAL ESTIMATED MOBILIZATION AND PREP ROW QUANTITIES (ALL SITES)				
ITEM ID	ITEM No.	DESCRIPTION	UNIT	QUANTITY
117	100.1	MOBILIZATION AND DEMOBILIZATION, MAX 10% OF LINE ITEMS 1- 116	LS	1
118	100.2	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (OPEN-CUT)	EA.	1
119	100.3	INTERMEDIATE DEMOBILIZATION AND REMOBILIZATION (HDD, JACKING, BORING, OR TUNNELING)	EA.	1
120	101.1	PREPARING ROW, MAX 5% OF LINE ITEMS 1 - 116	LS	1

7/29/2020



07/24/20	ADDENDUM #2	T.L.	
NO.	DATE	REVISION	APP.
UNINTECH CONSULTING ENGINEERS, INC. <small>2431 E. Evans Road San Antonio, Texas 78259 Phone: (210) 641-6003</small>			
2019 DEAD END WATER MAIN ELIMINATION PROJECT SUMMARY OF QUANTITIES			
DEVELOPER:		CONT.	
SUBMITTED			
APPROVED			
MAP No.	BUDGET PROJ.	33	
100% SUBMITTAL	PROJECT NO. 19-4004	DATE: 7/29/2020	
DRAWN: CT	DESIGN: MP	CHECK: KWC	SHEET NO : 4 OF 27

ESTIMATED QUANTITIES QUINCY

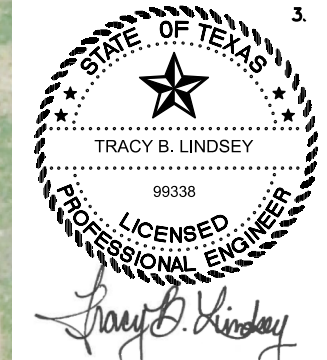
ITEM	DESCRIPTION	UNIT	QUANTITIES
103.3	REMOVE CONCRETE SIDEWALKS & DRIVEWAYS	SF	45
205.2	HOT MIX ASPHALTIC PAVEMENT, TYPE B (12" COMP. DEPTH)	SY	137
205.4	HOT MIX ASPHALTIC PAVEMENT, TYPE D (3" COMP. DEPTH)	SY	1444
208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT	SY	1444
502.1	CONCRETE SIDEWALKS	SY	5
530.1	BARRICADE SIGNS AND TRAFFIC HANDLING	LS	1
535.5	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (12" WIDE YELLOW LINE)	L.F.	120
535.7	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE YELLOW LINE)	L.F.	60
535.7	HOT APPLIED THERMOPLASTIC PAVEMENT MARKINGS (24" WIDE WHITE LINE)	L.F.	180
550.0	TRENCH EXCAVATION SAFETY PROTECTION	L.F.	320
814.0	6" DUCTILE IRON PIPE	L.F.	12
818.0	8" PVC WATERLINE (OPEN CUT) (C-900) (DR18) (235 PSI)	L.F.	308
828.0	8" GATE VALVES	EA.	2
832.0	12" X 8" TAPPING SLEEVES & VALVES	EA.	1
834.1	FIRE HYDRANT	EA.	1
836.0	PIPE FITTINGS, ALL SIZES AND TYPES	TON	0.40
840.0	8" WATER TIE-INS	EA.	1
841.0	HYDROSTATIC TESTING	EA.	1
844.0	2" BLOWOFF, TEMPORARY	EA.	2
858.0	CONCRETE ENCASEMENT, CRADLES, SADDLES AND COLLARS	C.Y.	1
3000.0	REMOVAL, TRANSPORTATION, AND DISPOSAL OF AC PIPE	L.F.	26
COSA 413	FLOWABLE FILL	C.Y.	14

NOTES:

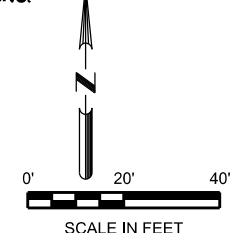
- SUBSURFACE UTILITY EXPLORATION TO IDENTIFY EXACT LOCATION OF HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UNDERGROUND ELECTRICAL LINES AT N. FLORES (NSPI). CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST PRIOR TO CONSTRUCTION.
- CAUTION: ABANDONED STREET CAR TRACKS MAY BE ENCOUNTERED WITHIN THE RIGHT OF WAY OF FLORES STREET. REFER TO TYPICAL STREET CAR TRACKS DETAIL THIS SHEET. REMOVAL SUBSIDIARY TO ITEM 818.

TRAFFIC CONTROL NOTES:

- CONTRACTOR SHALL INSTALL TRAFFIC CONTROL MEASURES ALONG QUINCY STREET DURING CONSTRUCTION OF THE WATERLINE AND PAVEMENT REPAIR IN ACCORDANCE WITH TEXAS DEPARTMENT OF TRANSPORTATION TCP (2-4)-18 FOR A LEFT LANE CLOSURE (DETAIL 2-4A).
- CONTRACTOR SHALL INSTALL TRAFFIC CONTROL MEASURES AT FLORES STREET INTERSECTION DURING REPAIR IN ACCORDANCE WITH TEXAS DEPARTMENT OF TRANSPORTATION TCP (2-4)-18 FOR A TWO LANE CLOSURE (DETAIL 2-4B) OR APPROVED EQUAL.
- CONSTRUCTION WITHIN THE CENTRAL BUSINESS DISTRICT REQUIRES A MESSAGE BOARD ANNOUNCING THE LANE CLOSURE 7 DAYS PRIOR TO STARTING THE SCHEDULED WORK. IT ALSO REQUIRES THE PRESENCE OF 1 POLICE OFFICER DURING CONSTRUCTION. THE MESSAGE BOARD AND OFFICER DUTIES SHALL BE INCLUDED IN 530.1 BARRICADES, SIGNS & TRAFFIC HANDLING.



JULY 24, 2020



NO.	DATE	REVISION	T.L.	APP.
1	7/24/20	ADDENDUM #2		

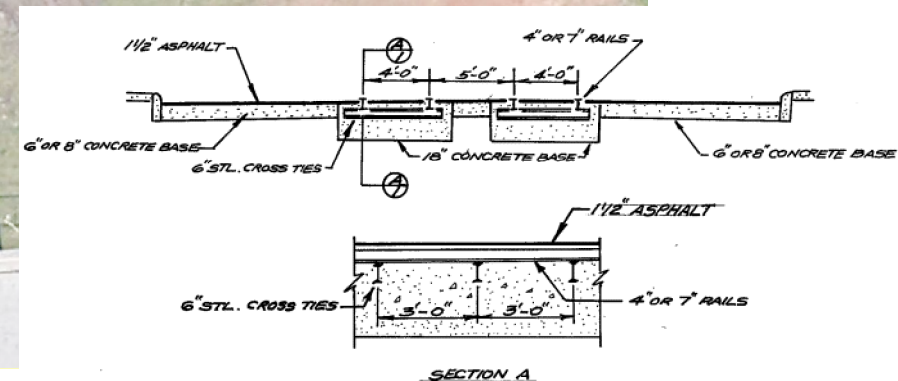
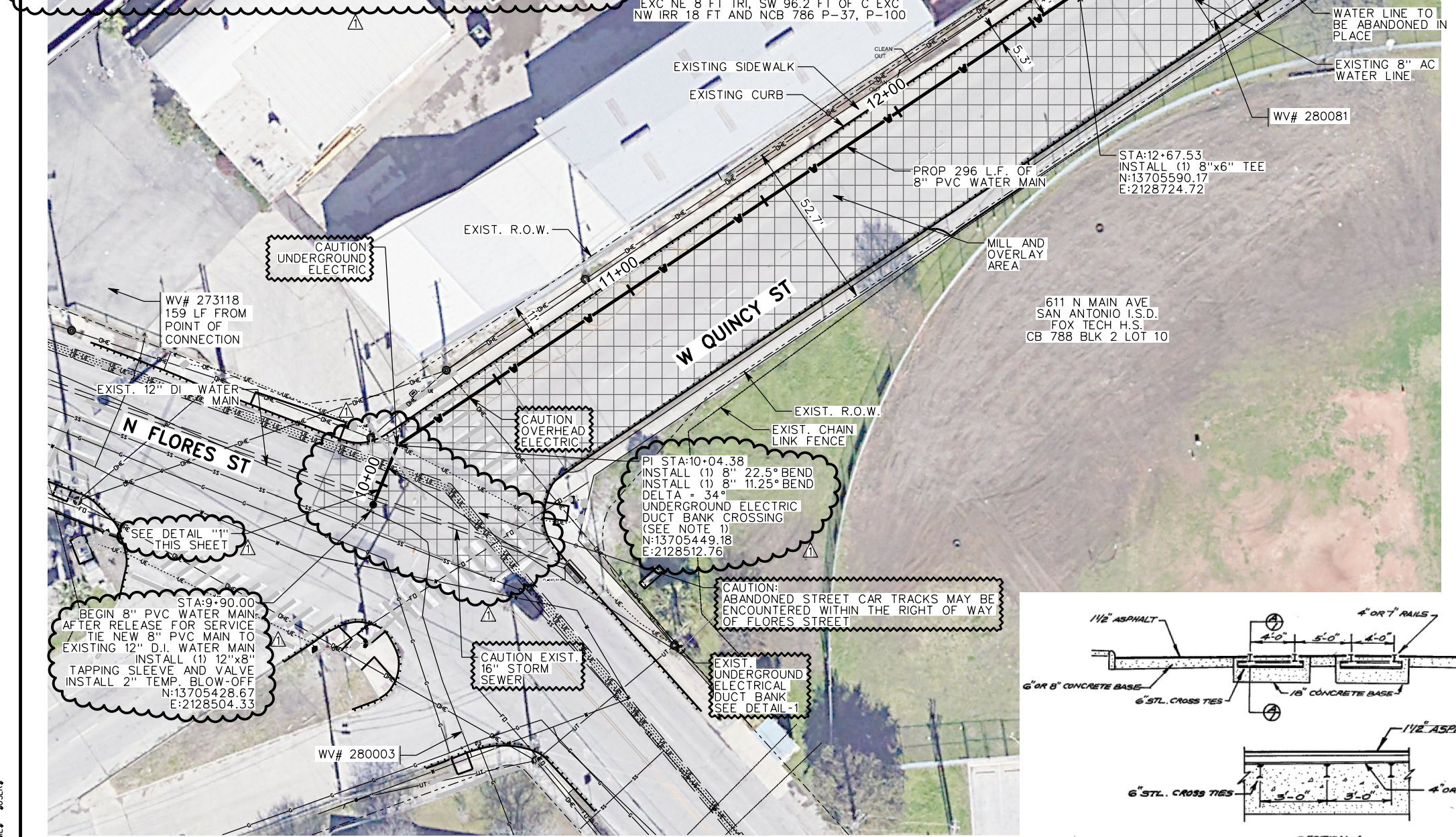
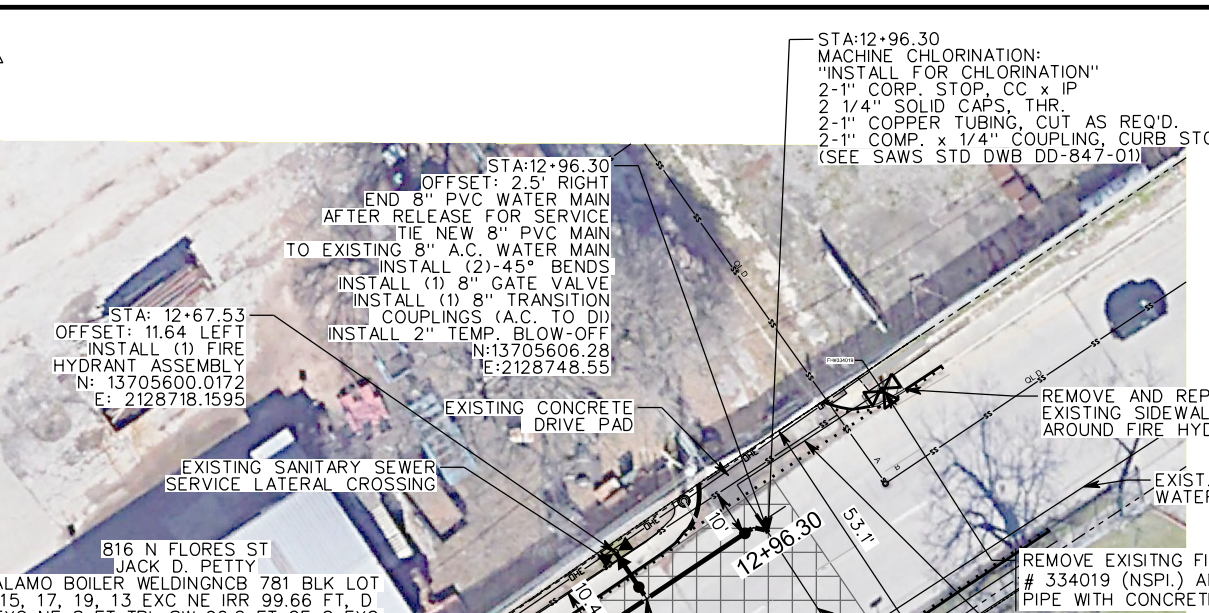
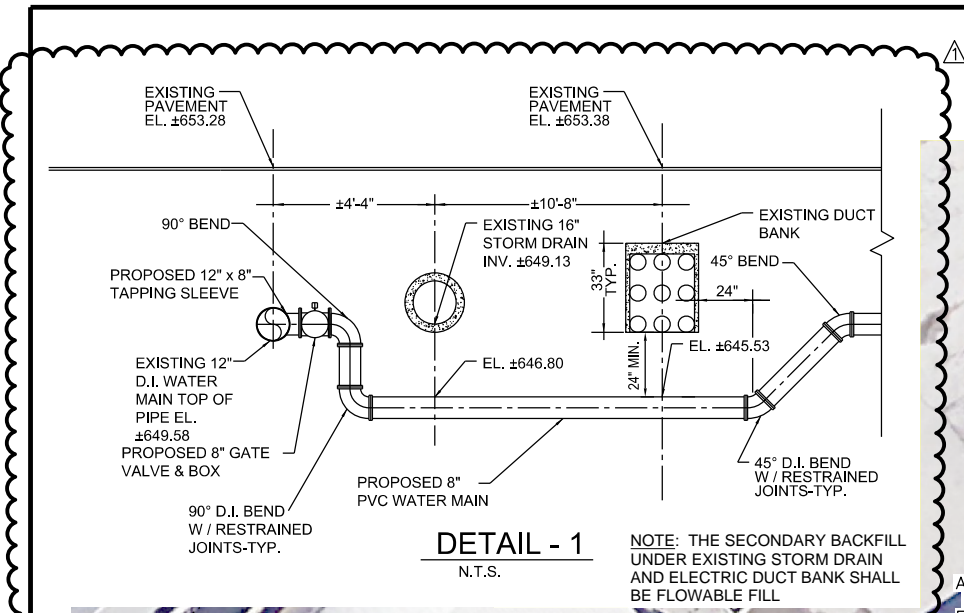
AECOM
 AECOM TECHNICAL SERVICES, INC.
 112 E PEGAN ST, SUITE 400
 SAN ANTONIO, TEXAS 78205
 WWW.AECOM.COM
 TBPE REG. NO. F-3580

UNINTECH CONSULTING ENGINEERS, INC.
 2431 E. Evans Road
 San Antonio, Texas 78259
 Phone: (210) 641-6003
 TBPE Reg. No. F-5499
 Fax: (210) 641-8279
 www.unintech.com

2019 DEAD END WATER MAIN ELIMINATION PROJECT
 SAWS WATER WORK
 W QUINCY ST PLAN
 UNIT ID# 334019

DEVELOPER: _____ CONT. _____
 SUBMITTED _____
 APPROVED _____

MAP No. 160580,160582 BUDGET PROJ. 33
 30% SUBMITTAL PROJECT NO. TBD DATE: SDATES
 DRAWN: CT DESIGN: MP CHECK: KWC SHEET NO: 9 OF 27



W QUINCY PLAN

TYPICAL STREET CAR TRACKS NOT TO SCALE

SDATES \$USERS \$FILES