



PROPOSED CHANGE ORDER REQUEST

Department of Watershed Management

Contract Name: Reindeer Drive Water Main Replacement (Multiyear) **Date:** 8/5/2022
Contractor: GS Construction, Inc.
Contract Number: 1272696 **Contract Amendment Number:** 1
Contract Amendment Category: Cost Schedule Scope Deliverables

Original Contract \$ Amount:	Contract Start Date:	Original Contract Time:(TERM)	Original Contract End Date:
\$10,682,365.00	3/14/2022	473	6/30/2023

NTP Start Date:	Original Performance Days:(TIME)	Original Performance End Date:
3/28/2022	365	3/28/2023

Previous Change Order:	Previous Time Extensions (Days):	Previous Changes to \$ Amount:
Change Order No. 1:	0	\$0.00
Change Order No. 2:	0	\$0.00
Change Order No. 3:	0	\$0.00

Current Contract Amount:	Current Performance Time (Days):	Current Performance End Date:	Current Contract End Date:
\$10,682,365.00	365	3/28/2023	6/23/2023

Description of Proposed Changes: Amendment/Change Order No. 1 is being proposed to increase the project scope, funding and schedule to include the water main replacement in the Shepherds Lane and Woodland Hills Drive area of the County (both in the vicinity of Briarcliff Rd and Lavista Rd intersection - called Reindeer Phase II). Additional project scope includes but not limited to the replacement of 18,100 of 8-inch ductile iron pipe, 13,300 of 12-inch ductile iron pipe and approximately 400 customer water transfers.

Justification of Proposed Changes: The purpose of this Change Order is to take advantage of the surplus funds from contract 1272696 (Reindeer Drive Water Main Replacement) of approximately \$750,000 and the quick installation from the contractor. Shepherds Lane and Woodland Hills Drive Water Main Replacement projects are just west of the currently ongoing Reindeer Drive Area Water main Replacement and are on DWM's water main priority list for replacement due to repeated failures. These mains have experienced 43 recorded breaks in the last 10 year period. The aging water mains in this area are primarily 6-inch AC pipe, approximately 70 years old which has reached the end of its useful life. Water mains will be replaced with 8-inch and 12-inch ductile iron pipe. GS Construction has shown the ability to complete similar scope of work with the Reindeer area project in a timely manner and has provided reasonable pricing and schedule to DWM for completing this additional work. The project is currently over 85% complete and actual amount completed through 7/31/22 is \$6.1 million.

Proposed Additional Performance Days:	Proposed Cumulative Performance Days:	Proposed Performance End Date:	Proposed Contract End Date:
279	644	12/31/2023	6/30/2024
Proposed Changes to Dollar Amount:		Proposed Cumulative Contract Amount:	Amount Spent To Date as of (8/5/22):
\$15,502,309.70		\$26,184,674.70	\$1,776,124.62

Describe Any Risk Associated With This Change: There is no risk for the County if the change is approved. GS construction has proven itself as a capable contractor for replacing aged water mains within the County.

Effect of NOT Approving This Change: Not approving this Change would mean the aged water mains within these areas of the County would continue to be at risk of failure, disrupting customers service and the public for main break repairs.

Engineering Manager's Approval:

Accepted

Rejected

Signature: Cassandra M. Marshall

Digitally signed by Cassandra M. Marshall
Date: 2022.08.05 13:12:45 -04'00'

Print Name: Cassandra Marshall

Date: 08/05/22

Watershed Director's Approval:

Accepted

Rejected

Signature: David Hayes

Digitally signed by David Hayes
Date: 2022.08.19 11:31:30 -04'00'

Print Name: David Hayes

Date: 8.19.2022

Chief Operating Officer's Approval:

Accepted

Rejected

Signature: 

Print Name: Zachary L. Williams

Date: 8/19/22

Contract Name: Reindeer Drive Water Main Replacement (Multiyear)

Contractor: GS Construction, Inc.

Contract Number: 1272696

GS Construction

Reindeer Drive Phase 2 Water Main Replacement

Item#	Item	Units	Quantity	Unit Bid/w Profit	Total Bid
1	MOBILIZATION AND DEMOBILIZATION	LS	1	\$ 190,000.00	\$ 190,000.00
2	MAINTENANCE OF TRAFFIC	LS	1	\$ 634,157.00	\$ 634,157.00
3	NPDES MONITORING	LS	1	\$ 3,500.00	\$ 3,500.00
4	ORANGE BARRIER FENCE	LF	100	\$ 1.35	\$ 135.00
5	CONSTRUCTION EXIT	EA	0	\$ 1,000.00	\$ -
6A	SILT FENCE TYPE S	LF	500	\$ 3.60	\$ 1,800.00
6B	SILT FENCE TYPE NS	LF	2100	\$ 3.15	\$ 6,615.00
7	ROCK FILTER DAM	EA	5	\$ 250.00	\$ 1,250.00
8A	STONE RIP RAP, 24" IN PLACE	SY	0	\$ 180.00	\$ -
8B	STONE RIP RAP TYPE III, 12" IN PLACE	SY	0	\$ 90.00	\$ -
9	STRAW BALES	EA	50	\$ 9.00	\$ 450.00
10	INLET SEDIMENT TRAP	EA	15	\$ 1,000.00	\$ 15,000.00
11	COMPOST SOCKS	EA	50	\$ 180.00	\$ 9,000.00
12	ROLLED EROSION CONTROL BLANKET	SY	100	\$ 9.00	\$ 900.00
13A	MULCHING DISTURBED AREA	SY	4000	\$ 0.45	\$ 1,800.00
13B	PERMANENT SEEDING	SY	3000	\$ 2.25	\$ 6,750.00
14	SOD	SY	1000	\$ 25.00	\$ 25,000.00
15	SIDEWALK	SY	1000	\$ 95.00	\$ 95,000.00
16	COMBINATION CURB AND GUTTER	LF	400	\$ 45.00	\$ 18,000.00
17	GRANITE CURB REMOVAL AND REPLACEMENT	LF	300	\$ 40.00	\$ 12,000.00
18	FREE BORE	LF	0	\$ 5.00	\$ -
19A	ROADWAY RESTORATION 1/2" MILL AND 1-1/2" ASPHALT OVERLAY	SY	44266	\$ 45.00	\$ 1,991,970.00
19B	ROADWAY RESTORATION 1-1/2" ASPHALT OVERLAY	SY	0	\$ 13.00	\$ -
19C	ROADWAY RESTORATION 4" BINDER	SY	0	\$ 20.00	\$ -
19D	ROADWAY RESTORATION 10" GAB	SY	0	\$ 5.00	\$ -
19E	ROADWAY RESTORATION 8" CONCRETE BASE	SY	15000	\$ 120.00	\$ 1,800,000.00
20	PAINTING TRAFFIC STRIPE/ARROWS/ MARKINGS	LS	0	\$ 20,000.00	\$ -
21A	1.5" COPPER TUBING	LF	1800	\$ 40.00	\$ 72,000.00
21B	8" DUCTILE IRON PIPE	LF	18100	\$ 190.00	\$ 3,439,000.00
21C	8" RESTRAINED JOINT	LF	0	\$ 205.00	\$ -
	12" DUCTILE IRON PIPE	LF	13300	\$ 250.00	\$ 3,325,000.00
21D	16" DUCTILE IRON PIPE	LF	0	\$ 250.00	\$ -
21E	16" RESTRAINED JOINT PIPE	LF	0	\$ 265.00	\$ -
22B	TAPPING SLEEVE & VALVE 8"X8"	EA	4	\$ 8,500.00	\$ 34,000.00
22E	TAPPING SLEEVE & VALVE 8"X6"	EA	4	\$ 8,000.00	\$ 32,000.00
22F	TAPPING SLEEVE AND VALVE 16"X16"	EA	0	\$ 16,000.00	\$ -
	TAPPING SLEEVE AND VALVE 12"X12"	EA	4	\$ 15,000.00	\$ 60,000.00
	TAPPING SLEEVE AND VALVE 8"X12"	EA	4	\$ 13,000.00	\$ 52,000.00
23	GROUT FILL WATER LINE	CY	1000	\$ 350.00	\$ 350,000.00

24	CUT AND PLUG EXISTING WATER MAIN	EA	10	\$ 2,250.00	\$ 22,500.00
25A	JACK AND BORE - 8" CARRIER PIPE IN 18" STEEL CASING	LF	0	\$ 325.00	\$ -
25B	JACK AND BORE - 16" CARRIER PIPE IN 30" STEEL CASING	LF	0	\$ 450.00	\$ -
26	8-MIL POLYETHYLENE SLEEVE FOR 8" AND 16" DIP	LF	0	\$ 25.00	\$ -
27	CONNECTION TO EXISTING WATER MAIN	EA	10	\$ 4,500.00	\$ 45,000.00
28A	FURNISH AND INSTALL 8" GATE VALVE	EA	100	\$ 2,100.00	\$ 210,000.00
28B	16" GATE VALVE	EA	0	\$ 7,500.00	\$ -
	12" GATE VALVE	EA	20	\$ 7,250.00	\$ 145,000.00
29	RELOCATE FIRE HYDRANT	EA	0	\$ 3,500.00	\$ -
30	NEW FIRE HYDRANT	EA	80	\$ 5,500.00	\$ 440,000.00
31	TRANSFER WATER SERVICE	EA	400	\$ 1,500.00	\$ 600,000.00
32	REPLACE WATER METER AND BOX	EA	150	\$ 1,000.00	\$ 150,000.00
33	RELOCATION OF EXISTING WATER SERVICE	EA	20	\$ 1,500.00	\$ 30,000.00
34	REMOVAL OF UNSUITABLE AND REPLACEMENT OF SUITABLE SOIL	CY	15000	\$ 50.00	\$ 750,000.00
35	ROCK EXCAVATION AND REPLACEMENT WITH SUITABLE SOIL	CY	500	\$ 50.00	\$ 25,000.00
36	TESTING LABORATORY SERVICES	LS	1	\$ 50,000.00	\$ 50,000.00
37	TREE REMOVAL	EA	0	\$ 2,500.00	\$ -
38	AIR RELEASE VALVE AND VAULT	EA	2	\$ 10,000.00	\$ 20,000.00
39	POLICE OFFICER	HR	300	\$ 200.00	\$ 60,000.00
40	TRAFFIC STRIPING ALLOWANCE	LS	1	\$ 50,000.00	\$ 50,000.00
41	OWNER ALLOWANCE	LS	1	\$ 1,477,482.70	\$ 1,477,482.70
	Savngs from Phase 1	LS	1	\$ (750,000.00)	\$ (750,000.00)
				BID	\$ 15,502,309.70