

ADDENDUM NO. 1

BID NO. 2024-001

Wednesday, November 22, 2023

TO ALL BIDDERS:

Please incorporate the following information/clarifications, changes, additions, and/or deletions into the specification packet for the above-referenced project:

QUESTIONS/CLARIFICATIONS:

- 1. BID OPENING WILL BE EXTENDED UNTIL 12/07/23 AT 11:00 AM
- 2. Please note the technical files have been updated, link on final page of Bid Documents.

3. Remove: Cover page Replace: Cover page – A

Reason: To correct bid opening time/date

4. Remove: Pages A-17 thru A-22 Replace: A-17a thru A-22a Reason: Updated Bid Tabs

- 5. Inspection hours will be Monday Friday 9:00 am to 4:00 pm, Inspections will need to be scheduled with 24 hours notice.
- 6. City will provide staging area at 911 N SR 7 Margate, FL 33063 at no cost, but the contractor will be responsible for any damage or required restoration to the staging area. See map for staging area.
- 7. Park Drive will be where construction begins.
- 8. Q: Will the city provide water?
 - A: No, the awarded contractor will be responsible for renting a hydrant meter and paying for usage and rental. Fee schedule and application are on City's website.
- 9. Q: Please provide the dollar amount for the Permit Fee Contingency Item to be reimbursed for permitting.
 - A: \$600 for the NPDES Permit Fee for each project. \$1,200 total to both Phase 2A and Park Drive. COM Engineering Permit fees are waived. Please refer to the COM Building Dept. fee schedule for

fees related to the plumbing permit. Contingency for Phase 2A is \$270,000 and for Park Drive is \$80,000. Therefore, the total is \$350,000 for Contingency. See revised bid tabs.

- 10. Q: Please provide the dollar amount for the Cost of Indemnification.
 - A: \$100 for Phase 2A and \$100 for Park Drive for a total of \$200. See revised bid tabs.
- 11. Q: On DWG 17, please provide a pay item for the 2" PVC WM.
 - A: See revised bid tabs. (Item 4)
- 12. Q: On DWG-2, please confirm if 1" PE in casing is the correct pipe size to connect to the water meter bank.
 - A: See revised Plan Set and Bid Tab. Existing water services on WM-2 and WM-3 will be 2" size. (Item 10A)
- 13. Q: On DWG-4, please provide a pay item for the 6"x6" Tapping Sleeve and Valve to be installed on existing 6" ACP. The bid form shows 8"x6" Tapping Sleeve and Valve.
 - A: See revised Bid Tab. (Item 25)
- 14. Q: On DWG WM-21 and WM-24, please provide a pay item for the 24"X6" Tapping Sleeve and Valve to be installed on the existing 24" CIP WM. The bid form shows 20"x6" Tapping Sleeve and Valve.
 - A: See revised Bid Tab and Plan Set.
- 15. Q: Item 57 states to remove and reinstall speed hump. Please provide a typical speed hum detail.
 - A: Remove and replace existing speed hump to match existing conditions. See provided detail for speed humps.
- 16. Q: Item 42 states to remove and relocate existing mailboxes at unit of 2 LS. Please confirm if the unit should be LS or EA. If EA, please provide an accurate quantity of mailboxes to be relocated.
 - A: This line item is lump sum. See revised Bid Tab. (Item 42)
- 17. Q: Item 46 states tree removal and installation. Please provide tree inventory that includes the size and type of trees required to be installed.
 - A: Refer to TT-1 to view the list of tree species and size. See the revised Bid Tab that includes a line item for tree removal and a line item for tree installation. (Items 46 and 46A)
- 18. Q: All of the water service details have a note that states "install backflow preventer if not present" will the city provide that material and if not how many services are currently missing the backflow preventer? Since the backflow preventer is behind the meter will a licensed plumber be required to install them if they are missing?
 - A: See revised bid tab (Item 14A) and Plan Set.
- 19. Q: Please advise is a temporary blow-off with a full cannon is required.
 - A: Yes, a blow-off and full cannon is required.

- 20. Q: Please advise if a plumbing permit is required for the private side water service connection. If yes, please provide the permit fees and number of private side permits required for this item.
 - A: A plumbing permit and licensed plumber are required for work shown on WM-1 and installation of new backflow preventers. Please refer to the fee schedule for COM's Building Dept.
- 21. Q: Please provide diagram layouts of the existing private side connection so the contractor can determine what needs to be restored. I.E. sod, asphalt restoration, concrete restoration, landscaping restoration, etc.
 - A: Refer to WM-1 for restoration areas.
- 22. Q: Please provide a typical diagram for connection to building detail that meets permit/building code requirements.
 - A: See updated Plan Set Sheet D-4.
- 23. Q: Please provide the number of WS connections to be constructed in Phase 2A Bid form Items 10 & 11 to determine the number of double meter boxes required.
 - A: Refer to the Plan Set for the location of the water meters.
- 24. Q: Please provide the total number of WS connections to be constructed in Phase 2A Bid for Items 10& 11 between both single and double water services.
 - A: Refer to the Plan Set for the location of the water meters.
- 25. Q: What is the Engineer's Estimate?
 - A: \$3.8M \$3.9M for both Phase 2A and Park Drive.
- 26. Q: What is the City budget for this contract?
 - A: \$3.8M \$3.9M for both Phase 2A and Park Drive.
- 27. Q: Please provide the plans showing the design for the alternative method of installation of HDPE by Horizontal Directional Drill (HDD), the plans provided do not indicate where HDD as an alternative to Open Cut is.
 - A: HDD pipe is planned to be in the same location as depicted in the open cut plans. Pit locations shall be per contractor's preference with City and Engineer's approval. All connections, valves, hydrants, water services, and other appurtenances shall match the locations depicted in the open cut plans. Contractor shall perform frac out calculations to determine the minimum pipe depth.
- 28. Q: Does the City require a listed plumber to perform work on private property behind the water meter?
 - A: A plumbing permit and licensed plumber are required for work shown on WM-1 and installation of new backflow preventers. Please refer to the fee schedule for COM's Building Dept.
- 29. Q: On DWG WM-5 and beyond, please advise if an operable valve is nearby to shut down to make the 8" Cut-in Tee or please advise if a line stop is required.

- A: There is an existing valve that can be used to shut down the water service for the connection. Coordination between all parties, Contractor, City, EOR is needed.
- 30. Q: Please advise if double valves are required for the connections to the existing system.
 - A: Double valves are shown at some locations throughout the bid documents. Additional valves needed for connections to the existing system that are temporary (installed for the connection, but removed after the connection and not permanent) are included under the connection to existing watermain line item.
- 31. Q: The specification for the Horizontal Directional Drill makes a reference to what's shown on the drawings; however, there aren't any to reference. Please provide plan and profile drawings for the HDD scope of work for this project.
 - A: HDD pipe is planned to be in the same location as depicted in the open cut plans. Pit locations shall be per contractor's preference with City and Engineer's approval. All connections, valves, hydrants, water services, and other appurtenances shall match the locations depicted in the open cut plans. Contractor shall perform frac out calculations to determine the minimum pipe depth.
- 32. Q: Please advise if signed and sealed bore calculations are required for this project.
 - A: Signed and sealed bore calculations are not required.
- 33. Q: On DWG WM-1, at the water banks, the plan states to relocate existing water meter with new meter box. Please provide the location of the existing meters to be relocated.
 - A: Refer to the Plan Set for the location of the water meters.
- 34. Q: Please advise if a license asbestos supervisor is required to be present to perform a tap on existing ACP.
 - A: A licensed asbestos supervisor is not required.
- 35. Q: Item 43 states to remove and replace existing sign. Please advise if this includes the pedestrian and speed hump traffic signs on the Signing and Marking Plans.
 - A: Yes, this line item applies to all signs affected by construction as shown on the Plan Set.
- 36. Q: Item 44 states to restore the existing irrigation system. Please provide the number of existing homes that have an irrigation system.
 - A: The exact number is unknown, however, the Plan Set and Bid Tab assumes all properties within the project area have irrigation systems.
- 37. Q: Item 22 states to connect to existing MW. Please provide a typical jumper connection detail if required to make the connection.
 - A: Refer to Detail 101 on D-1.
- 38. Q: Please confirm that providing a bond capacity letter will allow the bidder to write "5% of the attached bid" in the space for the bid bond amount on the bid bond.
 - A: Yes.
- 39. Q: Please confirm that the bidder can bid either open cut, horizontal directional drill or both so long as they provide pricing for both the Park Drive and the Phase 2A proposals.

- A: Correct, the bidder can bid on any combination of installation methods but there must be prices submitted for both Phase 2A and Park Drive.
- 40. Q: Please confirm that the intent of this bid is to award one contract to one contractor and the City doesn't intend to split the job up.
 - A: Correct, one contractor will be awarded the contract for Phase 2A and Park Drive. The installation method for Phase 2A and Park Drive may be different depending on the bids received.
- 41. Q: The Proposal forms do not have a set price for the Contingency or indemnification pay items, what amount should the contractor put here since they are arbitrary and will change the bid amount?
 - A: See revised bid tab.
- 42. Q: On page A-25 statement 7. Instructs the bidder to attach financial statement if required, are they required for this proposal?
 - A: Awarded vendor may be asked for financial statement, nothing needs to be submitted with the Bid.
- 43. Q: In the plan general notes number 26 it notes all joints to be restrained, detail 107 is a pipe restraint table, do all joints need to be restrained or restrained per the table?
 - A: Yes, all joints must be restrained.
- 44. Q: Is the existing abandoned AC Pipe noted such as the 12 FM shown on the plans along NW 9 St grout filled?
 - A: Assume all abandoned pipes above 2" diameter is grouted.
- 45. Q: For the alternate means of horizontal directional drill installation what is the engineer's estimate for this method?
 - A: \$3.9M
- 46. Q: For the alternate means of horizontal directional drill installation what is the minimum cover required to insure there won't be any risk of surface hump or frack out of the drilling fluid?
 - A: The contractor shall perform frac out calculations to determine the minimum pipe depth.

Kelly McGilvray
Kelly McGilvray
Buyer II

Wednesday, November 22, 2023

Please sign and return the acknowledgment page of this addendum by email or by fax. The original acknowledgement page is to be included with your qualifications submission.

ACKNOWLEDGEMENT FORM

ADDENDUM NO. 1

BID NO. 2024-001

I acknowledge receipt of Addendum No. 1 for BID No. 2024-001. This addendum contains thirteen (13) pages. Please include the original of this form in your qualifications submission.

(please print)	
Signature:	Date:
Telephone:	Facsimile:
Please fax your completed form	to (954) 935-5258 or e-mail to purchase@margatefl.co
Volla McGílavega	

Kelly McGilvray
Kelly McGilvray
Buyer II

Wednesday, November 22, 2023

NOTE: The original of this form must be included with your qualifications submission.



2024-001 WATER MAIN IMPROVEMENTS PHASE 2A AND PARK DRIVE

BIDDING REQUIREMENTS AGREEMENT FORMS CONDITIONS OF THE AGREEMENT

PRE-BID CONFERENCE DATE AND TIME: 11/15/2023 @ 11:00 am

BID OPENING DATE AND TIME: 12/07/2023 @ 11:00 am

BID BOND REQUIRED: YES

PERFORMANCE BOND REQUIRED: YES

PAYMENT BOND REQUIRED: YES

DEPARTMENT OF ENVIRONMENTAL & ENGINEERING SERVICES 901 NW 66TH AVENUE, SUITE A MARGATE, FL 33063

NOTE: THESE PLANS AND SPECS RELATE TO CITY SECURE INFRASTRUCTURE. PURSUANT TO FLORIDA LAW, THIS IS EXEMPT FROM DISCLOSURE AS DOCUMENTS THAT MAY DISCLOSE THE SECURITY AND/OR FIRESAFETY MATTERS. BIDDER IS RESPONSIBLE TO MAINTAIN CONFIDENTIALITY OF THESE PLANS AND SPECS AND TO ENSURE THAT SUCH PLANS AND SPECS ARE NOT DISTRIBUTED TO INDIVIDUALS AND FIRMS THAT DO NOT HAVE A REAL INTEREST IN THE BID.

City of Margate Base Bid Tab

Phase 2A Watermain Improvements & Replacement - Open Cut

	Item	Section 1025	Qty.	Unit Price	Units	Total Price
	CONSTRUCTION - GENERAL					
1	BONDS AND INSURANCE	1.2	1		LS	\$
2	MOBILIZATION	1.3	1		LS	\$
3	MAINTENANCE OF TRAFFIC	1.4	1		LS	\$
	GENERAL SUBTOTAL					\$
	CONSTRUCTION - UTILITY ITEMS					
4	FURNISH & INSTALL LESS THAN 4" PVC WATER MAIN PIPE VIA OPEN CUT	1.5	35		LF	\$
5	FURNISH & INSTALL 4" PVC WATER MAIN PIPE VIA OPEN CUT	1.5	40		LF	\$
6	FURNISH & INSTALL 6" PVC WATER MAIN PIPE VIA OPEN CUT	1.5	9220		LF	\$
7	FURNISH & INSTALL 8" PVC WATER MAIN PIPE VIA OPEN CUT	1.5	900		LF	\$
8	FURNISH & INSTALL 12" PVC WATER MAIN PIPE VIA OPEN CUT	1.5	20		LF	\$
9	FURNISH & INSTALL MJ SLEEVE ADAPTER	1.7	10		EA	\$
10	FURNISH & INSTALL 1" PE WATER SERVICE	1.8	40		EA	\$
10		1.0	2		ГΛ	\$
Α	FURNISH & INSTALL 2" PE WATER SERVICE	1.8	2		EA	
11	FURNISH & INSTALL 1" PE WATER SERVICE IN 2" PVC CASING	1.8	78		EA	\$
12	FURNISH & INSTALL PRIVATE SIDE WATER SERVICE CONNECTION	1.9	11		EA	\$
13	EXISTING WATER METER RELOCATION	1.10	131		EA	\$
14	CONNECTION TO EXISTING WATER METER BANK	1.11	5		EA	\$
14		1.11A	11		EA	\$
_	FURNISH & INSTALL BACKFLOW PREVENTER					
	FURNISH & INSTALL PRESSURE MAIN FITTINGS	1.12	15		TN	\$
	FURNISH & INSTALL 2" GATE VALVE	1.13	1		EA	\$
_	FURNISH & INSTALL 3" GATE VALVE	1.13	2		EA	\$
_	FURNISH & INSTALL 4" GATE VALVE	1.13	2		EA	\$
_	FURNISH & INSTALL 6" GATE VALVE	1.13	54		EA	\$
_	FURNISH & INSTALL 8" GATE VALVE	1.13	10		EA	\$
21	FURNISH & INSTALL FIRE HYDRANT	1.14	23		EA	\$
22	CONNECTION TO EXISTING WATER MAIN	1.15	23		EA	\$
_	REMOVE AND SALVAGE EXISTING FIRE HYDRANT	1.16	20		EA	\$
24	FURNISH AND INSTALL TAPPING SLEEVE AND VALVE (8"x6")	1.17	2		EA	\$
25	FURNISH AND INSTALL TAPPING SLEEVE AND VALVE (24"x6")	1.17	2		EA	\$
26	FURNISH AND INSTALL SAMPLE POINT	1.18	17		EA	\$
27	ABANDON EXISTING WATER MAIN (SMALLER THAN 4")	1.19	1,630		LF	\$
	UTILITY ITEMS SUBTOTAL					\$
	CONSTRUCTION - RESTORATION					
	RESTORE CONCRETE DRIVEWAYS AND MISCELLANEOUS CONCRETE	1.22	135		SY	\$
_	RESTORE ASPHALT DRIVEWAY	1.23	60		SY	\$
_	RESTORE PAVER SIDEWALK AND DRIVEWAY	1.24	20		SY	\$
33	RESTORE CONCRETE SIDEWALK	1.25	100		SY	\$
	RESTORE CURB AND GUTTER	1.26	200		LF	\$
35	REMOVE EXISTING LIMEROCK BASE MATERIAL	1.27	7,950		SY	\$
36	REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT	1.28	7,950		SY	\$
37	STABILIZATION OF SUBGRADE	1.29	7,950		SY	\$
38	FURNISH AND COMPACT LIMEROCK BASE MATERIAL	1.30	7,950		SY	\$
39	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - FIRST LIFT (1")	1.31	7,950		SY	\$
40	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - SECOND LIFT (1")	1.31	12,500		SY	\$
41	MILL EXISTING ASPHALT PAVEMENT	1.32	4,550		SY	\$
42	REMOVE AND RELOCATE EXISTING MAILBOXES	1.33	1		LS	\$
43	REMOVE AND REPLACE EXISTING SIGN	1.34	1		EA	\$

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	ltem	Section 1025	Qty.	Unit Price	Units	Total Price
44 EXISTING IRRIGATION	N SYSTEM RESTORATION	1.35	1		LS	\$
45 REMOVE AND REPLA	CE ST AUGUSTINE SOD	1.36	1,400		SY	\$
46 REMOVE EXISTING T		1.37	7		EA	\$
46 A FURNISH AND INSTA	LL NEW TREE	1.37	7		EA	\$
47 REMOVE AND REPLA	CE HEDGE	1.38	100		LF	\$
48 FURNISH AND PLACE	6" SOLID WHITE	1.39	300		LF	\$
49 FURNISH AND PLACE	6" DOUBLE YELLOW	1.39	1450		LF	\$
50 FURNISH AND PLACE	12" SOLID WHITE	1.39	350		LF	\$
51 FURNISH AND PLACE	18" SOLID YELLOW	1.39	20		LF	\$
52 FURNISH AND PLACE	24" SOLID WHITE (STOP BAR)	1.39	150		LF	\$
53 FURNISH AND PLACE	10'-30' YELLOW SKIP	1.39	3000		LF	\$
54 FURNISH AND PLACE	REFLECTIVE PAVEMENT MARKERS	1.40	200		EA	\$
55 FURNISH AND PLACE	PAVEMENT SYMBOL	1.41	1		EA	\$
56 FURNISH AND PLACE	SPECIAL PAVEMENT MARKING MESSAGE	1.41	1		EA	\$
57 REMOVE AND REINS	TALL SPEED HUMP	1.42	5		EA	\$
58 FURNISH AND INSTA	LL ADA RAMP WITH DETECTABLE WARNING MAT	1.43	2		EA	
	RESTORATION SUBTOTAL					\$
MISCELLANEOUS						
59 ADDITIONAL COMPE	NSATION FOR EXCAVATION IN HARD ROCK CONDITIONS	1.44	100		LF	\$
	MISCELLANEOUS SUBTOTAL					\$
	WISCELLANEOUS SUBTUTAL					ې
		DEDIV	IT EEE /N	<u>l</u> NPDES - NOI)		\$600.00
		PERIV		ONTINGENCY		\$270,000.00
		COST		INIFICATION		\$100.00
				SUBTOTAL	LJ	\$
		ESTIMAT	ED CO31	JOBIOTAL		Ş
CONSTRUCTION AND	O GENERAL TOTAL OPEN CUT TRENCH INSTALLATION					\$
BASE BID. PARISE ZA	OPEN COT TRENCH INSTALLATION					
	City of Margate					
	Base Bid Tab					
	Park Drive Watermain Improvements & Repl	acement - Ope	n Cut			
	F	<u> </u>				
	Item	Section 1025	Qty.	Unit Price	Units	Total Price
CONSTRUCTION - GE	NERAL					
1 BONDS AND INSURAI	NCE	1.2	1		LS	\$
2 MOBILIZATION		1.3	1		LS	\$
3 MAINTENANCE OF T	RAFFIC	1.4	1		LS	\$
	GENERAL SUBTOTAL					\$
CONSTRUCTION - UT						
4 FURNISH & INSTALL	6" PVC WATER MAIN PIPE VIA OPEN CUT	1.5	300		LF	\$
	8" PVC WATER MAIN PIPE VIA OPEN CUT	1.5	1,720		LF	\$
6 FURNISH & INSTALL I	MJ SLEEVE ADAPTER	1.7	6		EA	\$
7 FURNISH & INSTALL	1" PE WATER SERVICE	1.8	7		EA	\$
	1" PE WATER SERVICE IN 2" PVC CASING	1.8	1		EA	\$
9 EXISTING WATER ME	TER RELOCATION	1.10	8		EA	\$
10 FURNISH & INSTALL	PRESSURE MAIN FITTINGS	1.12	3		TN	\$
11 FURNISH & INSTALL	6" GATE VALVE	1.13	2		EA	\$
12 FURNISH & INSTALL 8	8" GATE VALVE	1.13	12		EA	\$
13 FURNISH & INSTALL I	FIRE HYDRANT	1.14	5		EA	\$

	ltem	Section 1025	Qty.	Unit Price	Units	Total Price
14	CONNECTION TO EXISTING WATER MAIN	1.15	7		EA	\$
15	REMOVE AND SALVAGE EXISTING FIRE HYDRANT	1.16	4		EA	\$

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16	FURNISH AND INSTALL SAMPLE POINT	1.18	7		EA	\$	
	ABANDON EXISTING WATER MAIN (SMALLER THAN 4")	1.19	10		LF	\$	
	ABANDON AND GROUT EXISTING WATER MAIN (4"-8")	1.19	1,850		LF	\$	
	ASBESTOS CEMENT PIPE REMOVAL AND DISPOSAL	1.20	50		LF	\$	
13	UTILITY ITEMS SUBTOTAL	1.20	30		LI	\$	
	OTIETT TIEWS SOUTOTAL					۲	
	CONSTRUCTION - RESTORATION						
20	RESTORE CONCRETE DRIVEWAYS AND MISCELLANEOUS CONCRETE	1.22	80		SY	\$	
_	RESTORE PAVER SIDEWALK AND DRIVEWAY	1.24	20		SY	\$	
_	RESTORE CURB AND GUTTER	1.24	45		LF	\$	
	REMOVE EXISTING LIMEROCK BASE MATERIAL	1.27	1,160		SY	\$	
	REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT	1.27			SY	\$	
_	STABILIZATION OF SUBGRADE	1.28	1,160 1,160		SY	\$	
_						\$	
26	FURNISH AND COMPACT LIMEROCK BASE MATERIAL	1.30	1,160		SY	Ş	
27	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - FIRST LIFT (1")	1.31	2,510		SY	\$	
28	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - SECOND LIFT (1")	1.31	2,510		SY	\$	
29	MILL EXISTING ASPHALT PAVEMENT	1.32	1,350		SY	\$	
30	REMOVE AND REPLACE EXISTING SIGN	1.34	1		EA	\$	
31	EXISTING IRRIGATION SYSTEM RESTORATION	1.35	1		LS	\$	
32	REMOVE AND REPLACE ST AUGUSTINE SOD	1.36	155		SY	\$	
33	FURNISH AND PLACE 6" DOUBLE YELLOW	1.39	370		LF	\$	
34	FURNISH AND PLACE 12" SOLID WHITE	1.39	280		LF	\$	
35	FURNISH AND PLACE 24" SOLID WHITE (STOP BAR)	1.39	40		LF	\$	
36	FURNISH AND PLACE 10'-30' YELLOW SKIP	1.39	980		LF	\$	
37	FURNISH AND PLACE REFLECTIVE PAVEMENT MARKERS	1.40	65		EA	\$	
	RESTORATION SUBTOTAL					\$	
	MISCELLANEOUS						
38	ADDITIONAL COMPENSATION FOR EXCAVATION IN HARD ROCK CONDITIONS	1.44	20		LF	\$	
	MISCELLANEOUS SUBTOTAL					\$	
	PERMIT FEE (NPDES - NOI)						
	CONTINGENCY						
		COST C	F INDEN	INIFICATION	LS	\$100.00	
		ESTIMAT	ED COST	SUBTOTAL		\$	
	CONSTRUCTION AND GENERAL TOTAL					\$	
	BASE BID: PARK DRIVE OPEN CUT TRENCH INSTALLATION					ې	
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City of Margate Alternative Bid Tab

Phase 2A Watermain Improvements & Replacement - HDD

	Item	Section 1025	Qty.	Unit Price	Units	Total Price
	CONSTRUCTION - GENERAL					
1	BONDS AND INSURANCE	1.2	1		LS	\$
2	MOBILIZATION	1.3	1		LS	\$
3	MAINTENANCE OF TRAFFIC	1.4	1		LS	\$
	GENERAL SUBTOTAL					\$
	CONSTRUCTION - UTILITY ITEMS					
4	FURNISH & INSTALL LESS THAN 4" HDPE WATER MAIN PIPE VIA OPEN CUT	1.5	35		LF	\$
5	FURNISH & INSTALL 4" HDPE WATER MAIN PIPE VIA OPEN CUT	1.5	40		LF	\$
6	FURNISH & INSTALL 6" HDPE WATER MAIN PIPE VIA OPEN CUT	1.5	922		LF	\$
7	FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA OPEN CUT	1.5	90		LF	\$
_	FURNISH & INSTALL 12" HDPE WATER MAIN PIPE VIA OPEN CUT	1.5	2		LF	\$
	FURNISH & INSTALL 6" HDPE WATER MAIN PIPE VIA HORIZONTAL					
0	DIRECTIONAL DRILL	1.6	8,298		LF	\$
	FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL					,
10	DIRECTIONAL DRILL	1.6	810		LF	\$
	FURNISH & INSTALL 12" HDPE WATER MAIN PIPE VIA HORIZONTAL					ć
11	DIRECTIONAL DRILL	1.6	18		LF	\$
12	FURNISH & INSTALL MJ SLEEVE ADAPTER	1.7	10		EA	\$
13	FURNISH & INSTALL 1" PE WATER SERVICE	1.8	40		EA	\$
13A	FURNISH & INSTALL 2" PE WATER SERVICE	1.8	2		EA	\$
14	FURNISH & INSTALL 1" PE WATER SERVICE IN 2" PVC CASING	1.8	78		EA	\$
15	FURNISH & INSTALL PRIVATE SIDE WATER SERVICE CONNECTION	1.9	11		EA	\$
16	EXISTING WATER METER RELOCATION	1.10	131		EA	\$
17	CONNECTION TO EXISTING WATER METER BANK	1.11	5		EA	\$
17A	FURNISH & INSTALL BACKFLOW PREVENTER	1.11A	11		EA	\$
18	FURNISH & INSTALL PRESSURE MAIN FITTINGS	1.12	15		TN	\$
19	FURNISH & INSTALL 2" GATE VALVE	1.13	1		EA	\$
20	FURNISH & INSTALL 3" GATE VALVE	1.13	2		EA	\$
21	FURNISH & INSTALL 4" GATE VALVE	1.13	2		EA	\$
22	FURNISH & INSTALL 6" GATE VALVE	1.13	54		EA	\$
23	FURNISH & INSTALL 8" GATE VALVE	1.13	10		EA	\$
24	FURNISH & INSTALL FIRE HYDRANT	1.14	23		EA	\$
25	CONNECTION TO EXISTING WATER MAIN	1.15	23		EA	\$
\vdash	REMOVE AND SALVAGE EXISTING FIRE HYDRANT	1.16	20		EA	\$
	FURNISH AND INSTALL TAPPING SLEEVE AND VALVE (8"x6")	1.17	2		EA	\$
	FURNISH AND INSTALL TAPPING SLEEVE AND VALVE (24"x6")	1.17	2		EA	\$
29	FURNISH AND INSTALL SAMPLE POINT	1.18	17		EA	\$
-	ABANDON EXISTING WATER MAIN (SMALLER THAN 4")	1.19	1,630		LF	\$
	UTILITY ITEMS		,			\$
	SUBTOTAL					
	CONSTRUCTION - RESTORATION					
33	RESTORE CONCRETE DRIVEWAYS AND MISCELLANEOUS CONCRETE	1.22	14		SY	\$
_	RESTORE ASPHALT DRIVEWAY	1.23	6		SY	\$
35	RESTORE PAVER SIDEWALK AND DRIVEWAY	1.24	2		SY	\$
	RESTORE CONCRETE SIDEWALK	1.25	100		SY	\$
37	RESTORE CURB AND GUTTER	1.26	200		LF	\$
38	REMOVE EXISTING LIMEROCK BASE MATERIAL	1.27	795		SY	\$
39	REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT	1.27	795		SY	\$
40	STABILIZATION OF SUBGRADE	1.29	795		SY	\$
41	FURNISH AND COMPACT LIMEROCK BASE MATERIAL	1.30	795		SY	\$

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42	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - FIRST LIFT (1")	1.31	795		SY	\$	
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	Item	Section 1025	Qty.	Unit Price	Units	Total Price
43	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - SECOND LIFT (1")	1.31	1,250		SY	\$
44	MILL EXISTING ASPHALT PAVEMENT	1.32	455		SY	\$
45	EXISTING IRRIGATION SYSTEM RESTORATION	1.35	1		LS	\$
46	REMOVE AND REPLACE ST AUGUSTINE SOD	1.36	140		SY	\$
47	REMOVE AND REPLACE HEDGE	1.38	10		LF	\$
48	FURNISH AND PLACE 6" SOLID WHITE	1.39	30		LF	\$
49	FURNISH AND PLACE 6" DOUBLE YELLOW	1.39	145		LF	\$
50	FURNISH AND PLACE 12" SOLID WHITE	1.39	35		LF	\$
51	FURNISH AND PLACE 18" SOLID YELLOW	1.39	2		LF	\$
52	FURNISH AND PLACE 24" SOLID WHITE (STOP BAR)	1.39	15		LF	\$
53	FURNISH AND PLACE 10'-30' YELLOW SKIP	1.39	300		LF	\$
54	FURNISH AND PLACE REFLECTIVE PAVEMENT MARKERS	1.40	20		EA	\$
55	FURNISH AND INSTALL ADA RAMP WITH DETECTABLE WARNING MAT	1.43	2		EA	\$
	RESTORATION SUBTOTAL					\$
	MISCELLANEOUS					
56	ADDITIONAL COMPENSATION FOR EXCAVATION IN HARD ROCK CONDITIONS	1.44	10		LF	\$
	MISCELLANEOUS SUBTOTAL					\$
		PERMIT	FEE (N	PDES - NOI)		\$600.00
			COI	NTINGENCY	LS	\$270,000.00
						4.00.00
		COST OF	INDEM	NIFICATION	LS	\$100.00
	CONSTRUCTION AND GENERAL TOTAL			NIFICATION SUBTOTAL	LS	\$
	CONSTRUCTION AND GENERAL TOTAL BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION				LS	
	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate				LS	\$
	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements	ESTIMATE	D COST		LS	\$
	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab	ESTIMATE	D COST		LS	\$
	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item	ESTIMATE	D COST	SUBTOTAL		\$
	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL	& Replaceme	nt -	SUBTOTAL	Units	\$ \$ Total Price
1	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE	& Replaceme Section 1025	nt - Qty.	SUBTOTAL	Units	\$ Total Price
2	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION	& Replacements Section 1025 1.2 1.3	nt - Qty.	SUBTOTAL	Units	\$ Total Price \$ \$
2	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION MAINTENANCE OF TRAFFIC	& Replaceme Section 1025	nt - Qty.	SUBTOTAL	Units	\$ Total Price \$ \$ \$
2	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION	& Replacements Section 1025 1.2 1.3	nt - Qty.	SUBTOTAL	Units	\$ Total Price \$ \$
1 2 3	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION MAINTENANCE OF TRAFFIC GENERAL SUBTOTAL CONSTRUCTION - UTILITY ITEMS	& Replaceme Section 1025 1.2 1.3 1.4	O COST Otto Otto Otto 1 1 1	SUBTOTAL	Units	\$ Total Price \$ \$ \$ \$
1 2 3	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION MAINTENANCE OF TRAFFIC GENERAL SUBTOTAL CONSTRUCTION - UTILITY ITEMS FURNISH & INSTALL 6" HDPE WATER MAIN PIPE VIA OPEN CUT	& Replacement Section 1025 1.2 1.3 1.4	O COST Otto Otto 1 1 1 1 30	SUBTOTAL	Units LS LS LS	\$ Total Price \$ \$ \$ \$ \$
1 2 3	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION MAINTENANCE OF TRAFFIC GENERAL SUBTOTAL CONSTRUCTION - UTILITY ITEMS FURNISH & INSTALL 6" HDPE WATER MAIN PIPE VIA OPEN CUT FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA OPEN CUT	& Replaceme Section 1025 1.2 1.3 1.4	O COST Otto Otto Otto 1 1 1	SUBTOTAL	Units	\$ Total Price \$ \$ \$ \$
1 2 3 4 5	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION MAINTENANCE OF TRAFFIC GENERAL SUBTOTAL CONSTRUCTION - UTILITY ITEMS FURNISH & INSTALL 6" HDPE WATER MAIN PIPE VIA OPEN CUT	& Replacement Section 1025 1.2 1.3 1.4	O COST Otto Otto 1 1 1 1 30	SUBTOTAL	Units LS LS LS	\$ Total Price \$ \$ \$ \$ \$ \$
1 2 3 4 5 6	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION MAINTENANCE OF TRAFFIC GENERAL SUBTOTAL CONSTRUCTION - UTILITY ITEMS FURNISH & INSTALL 6" HDPE WATER MAIN PIPE VIA OPEN CUT FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL	8. Replaceme Section 1025 1.2 1.3 1.4 1.5 1.6 1.6	O COST	SUBTOTAL	Units LS LS LS LS LS LF LF LF	\$ Total Price \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
1 2 3 4 5 6 7 8	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION MAINTENANCE OF TRAFFIC GENERAL SUBTOTAL CONSTRUCTION - UTILITY ITEMS FURNISH & INSTALL 6" HDPE WATER MAIN PIPE VIA OPEN CUT FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA OPEN CUT FURNISH & INSTALL 6" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL FURNISH & INSTALL MI SLEEVE ADAPTER	**Replacement	O COST	SUBTOTAL	Units LS LS LS LF LF LF LF LF LF LF	\$ Total Price \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
1 2 3 4 5 6 7 8 9	BID ALTERNATIVE: PHASE 2A HORIZONTAL DIRECTIONAL DRILL INSTALLATION City of Margate Alternative Bid Tab Park Drive Watermain Improvements HDD Item CONSTRUCTION - GENERAL BONDS AND INSURANCE MOBILIZATION MAINTENANCE OF TRAFFIC GENERAL SUBTOTAL CONSTRUCTION - UTILITY ITEMS FURNISH & INSTALL 6" HDPE WATER MAIN PIPE VIA OPEN CUT FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL FURNISH & INSTALL 8" HDPE WATER MAIN PIPE VIA HORIZONTAL DIRECTIONAL DRILL	8. Replaceme Section 1025 1.2 1.3 1.4 1.5 1.6 1.6	O COST	SUBTOTAL	Units LS LS LS LS LS LF LF LF	\$ Total Price \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$

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	ltem	Section 1025	Qty.	Unit Price	Units	Total Price
11	EXISTING WATER METER RELOCATION	1.10	8		EA	\$
12	FURNISH & INSTALL PRESSURE MAIN FITTINGS	1.12	3		TN	\$
13	FURNISH & INSTALL 6" GATE VALVE	1.13	8		EA	\$
14	FURNISH & INSTALL 8" GATE VALVE	1.13	12		EA	\$
15	FURNISH & INSTALL FIRE HYDRANT	1.14	5		EA	\$
16	CONNECTION TO EXISTING WATER MAIN	1.15	7		EA	\$
17	REMOVE AND SALVAGE EXISTING FIRE HYDRANT	1.16	4		EA	\$
18	FURNISH AND INSTALL SAMPLE POINT	1.18	7		EA	\$
19	ABANDON EXISTING WATER MAIN (SMALLER THAN 4")	1.19	20		LF	\$
20	ABANDON AND GROUT EXISTING WATER MAIN (4"-8")	1.19	1,820		LF	\$
21	ASBESTOS CEMENT PIPE REMOVAL AND DISPOSAL	1.20	40		LF	\$
	UTILITY ITEMS SUBTOTAL					\$
	CONCERNICE ON DESCRIPTION					
	CONSTRUCTION - RESTORATION	4.22	<u> </u>		617	<u></u>
	RESTORE CONCRETE DRIVEWAYS AND MISCELLANEOUS CONCRETE	1.22	8		SY	\$
	RESTORE PAVER SIDEWALK AND DRIVEWAY	1.24	2		SY	\$
	RESTORE CURB AND GUTTER	1.26	5		LF	\$
	REMOVE EXISTING LIMEROCK BASE MATERIAL	1.27	116		SY	\$
	REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT	1.28	116		SY	\$
	STABILIZATION OF SUBGRADE	1.29	116		SY	\$
28	FURNISH AND COMPACT LIMEROCK BASE MATERIAL	1.30	116		SY	\$
29	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - FIRST LIFT (1")	1.31	251		SY	\$
30	FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT - SECOND LIFT (1")	1.31	251		SY	\$
<u> </u>	MILL EXISTING ASPHALT PAVEMENT	1.32	135		SY	\$
32	EXISTING IRRIGATION SYSTEM RESTORATION	1.35	1		LS	\$
	REMOVE AND REPLACE ST AUGUSTINE SOD	1.36	16		SY	\$
	FURNISH AND PLACE 6" DOUBLE YELLOW	1.39	37		LF	\$
	FURNISH AND PLACE 12" SOLID WHITE	1.39	28		LF	\$
_	FURNISH AND PLACE 24" SOLID WHITE (STOP BAR)	1.39	4		LF	\$
	FURNISH AND PLACE 10'-30' YELLOW SKIP	1.39	98		LF	\$
38	FURNISH AND PLACE REFLECTIVE PAVEMENT MARKERS	1.40	7		EA	\$
	RESTORATION SUBTOTAL					\$
	MISCELLANEOUS					
39	ADDITIONAL COMPENSATION FOR EXCAVATION IN HARD ROCK CONDITIONS	1.44	10		LF	\$
	MISCELLANEOUS SUBTOTAL					\$
			\$600.00			
			\$80,000.00			
		COST OF	INDEM	NIFICATION		\$100.00
			\$			
				SUBTOTAL		-
	CONSTRUCTION AND GENERAL TOTAL BID ALTERNATIVE: PARK DRIVE HORIZONTAL DIRECTIONAL DRILL INSTALLATION					\$

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