



**BID REQUEST
ADDENDUM NUMBER TWO (2)**

DATE: JULY 16, 2020

RE: RFP NO. 2020-05- LIFT STATION 42 REHAB & UPGRADE-REBID

OWNER: CITY OF EDINBURG

TO: ALL PROPOSERS, HOLDERS OF SPECIFICATIONS, AND ALL INTERESTED PARTIES TO THE CITY OF EDINBURG

All Addenda issued in respect to this project shall be considered official changes to the original bid documents and shall become a part of the contract documents.

- REVISED DRAWING T1 - ADDED TWO ADDITIONAL DRAWINGS
- REVISED DRAWING C21 - DISREGARD S-3 FIBERGLASS MANHOLE DETAILS
- INCLUDE ADDITIONAL DRAWING C21A
- REVISED DRAWING C23 - DISREGARD S-11 SEWAGE AIR RELEASE VALVE DETAILS
- INCLUDE ADDITIONAL DRAWING C23A
- DUE DATE AND TIME REMAIN UNCHANGED. PLEASE USE FOLLOWING:

<https://zoom.us/j/93236045033?pwd=eW1mQjNFVnc5cTRhcFVuMU9WcjhSUT09>

Tel: 346 248 7799 (Houston)

Meeting ID: 932 3604 5033 Password: 039655

PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED BELOW AND RETURN TO MS. LORENA FUENTES, PURCHASING AGENT VIA EMAIL AT lfuentes@cityofedinburg.com. PLEASE INCLUDE THIS FORM IN YOUR BID PROPOSAL.

NAME: _____

TITLE: _____

COMPANY: _____

If you have any questions or require additional information, do not hesitate to contact Ms. Lorena Fuentes, Purchasing Agent at (956) 388-1895.

Lorena Fuentes, Purchasing Agent



CITY OF EDINBURG
LIFT STATION #42 REHAB & UPGRADE - REBID
EDINBURG, TEXAS

CITY OFFICIALS

RICHARD MOLINA MAYOR
GILBERT ENRIQUEZ MAYOR PRO-TEM
DAVID WHITE COUNCILMEMBER
JORGE SALINAS COUNCILMEMBER
JOHNNY GARCIA COUNCILMEMBER
RON GARZA CITY MANAGER



SHEET INDEX

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| 5 | C4 | BORING LOG |
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| 8 | C7 | MATERIALS TO BE PROVIDED BY THE CITY OF EDINBURG |
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| 10 | C9 | FORCE MAIN- STA 11+98.37 TO STA 24+48.05 |
| 11 | C10 | FORCE MAIN- STA 24+48.05 TO STA 36+98.36 |
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LEGEND

6" FORCE MAIN ABANDONMENT
10" FORCE MAIN INSTALL

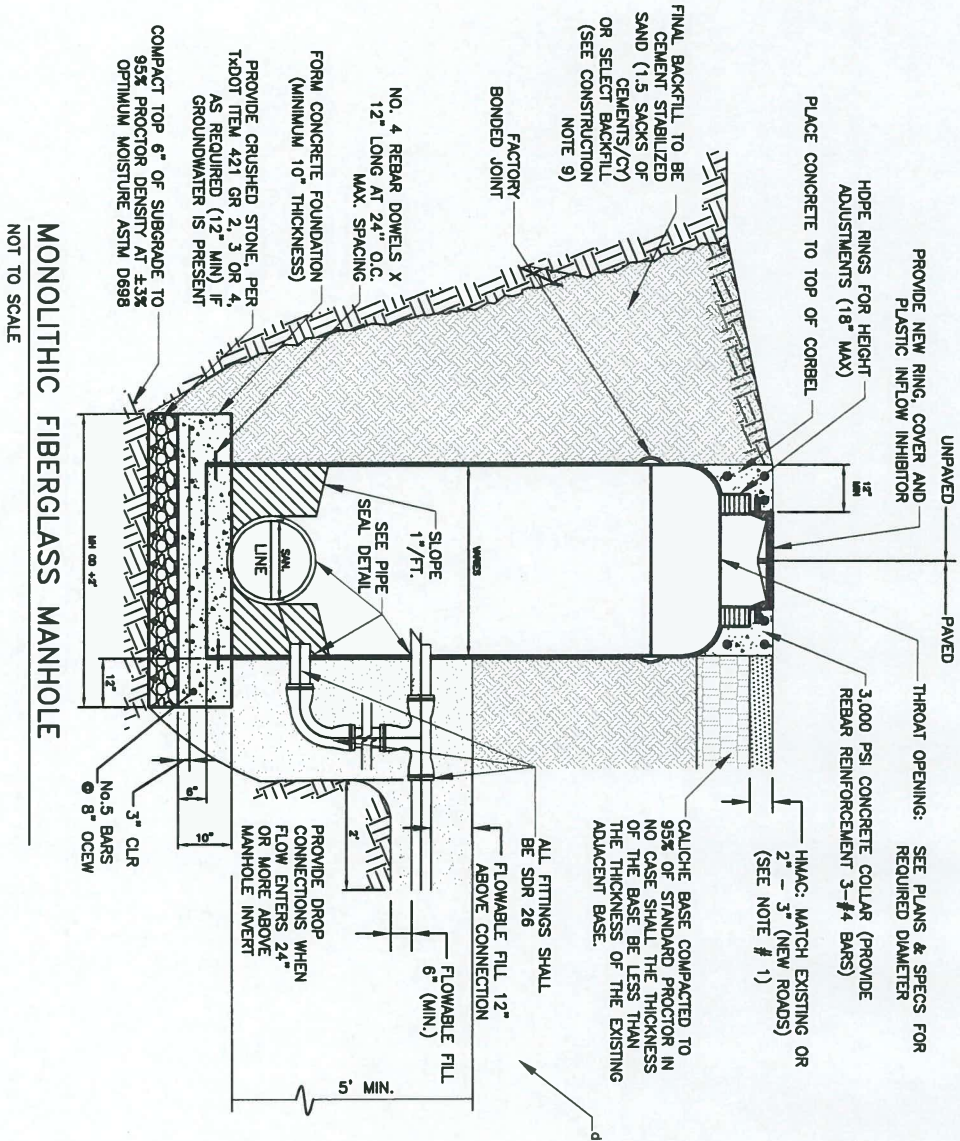
PREPARED BY:



INTERNATIONAL CONSULTING ENGINEERS
PHONE: 361.826.5905 1722 N. CLOISNER BLVD., STE B
EDINBURG, TX 78541
FAX: 361.826.5906

| REVISION NO. | DATE | BY | DESCRIPTION | REVISION NO. | DATE | BY | DESCRIPTION |
|--|-----------|-----|--|--|------|----|-------------|
| 1 | 7/15/2020 | HPG | ADDED ADDITIONAL DETAILS (C21A & C23A) (ADDENDUM #2) | | | | |
| CITY OF EDINBURG LIFT STATION 42 REHAB & UPGRADE-RE BID | | | | CONSULTANT'S SHEET PROJECT NO. 20590-04 | | | |
| TITLE SHEET/LOCATION MAP | | | | PHONE: 956.329.5404 415 W. UNIVERSITY DRIVE FAX: 956.383-7411 EDINBURG, TX 78541 | | | |
| DRAWING NO. T1 SHEET 1 of 36 | | | | INTERNATIONAL CONSULTING ENGINEERS PHONE: 361.826.5905 1722 N. CLOISNER BLVD., SUITE B FAX: 361.826.5906 EDINBURG, TX 78541 T.B.P.E. FIRM REGISTRATION #F - 10837 | | | |
| | | | | | | | |

Z:\2020\Engineering\City of Edinburg\Lift Station #42 Rehab & Upgrade - Re Bid\Drawings\Civil\Addendum 2\22A)-C21 A - MANHOLE DETAILS.dwg - Jul 16, 2020 - 6:17PM



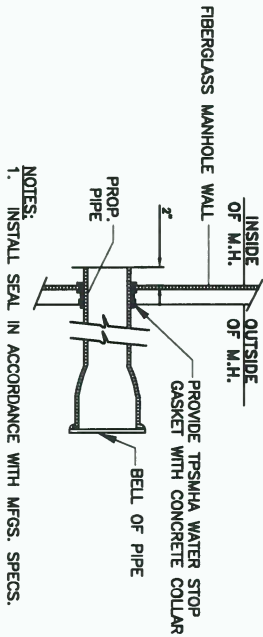
GENERAL WASTEWATER CONSTRUCTION NOTES:

1. HMA: 2'- MINOR RESIDENTIAL, RESIDENTIAL AND MULTI-FAMILY COLLECTOR, COLLECTOR, MINOR AND PRINCIPAL ARTERIAL STREETS, HMA: 3'-RURAL ARTERIAL STREETS. IN NO CASE SHALL THE THICKNESS OF THE HMA: BE LESS THAN THE THICKNESS OF THE EXISTING ADJACENT HMA:.
2. THE CONTRACTOR SHALL VISIT THE SITE OF THE WORK AND EXAMINE LOCAL CONDITIONS TO BE ENCOUNTERED, IMPROVEMENTS TO BE PROTECTED, AND PERMITS AND FEES TO BE REQUIRED, ALONG WITH OTHER RESEARCH THAT IS NECESSARY TO ENSURE THAT THE CONTRACTOR THOROUGHLY UNDERSTANDS THE PROJECT AND IS FULLY AWARE OF ALL THE CONDITIONS AND CONSTRAINTS THAT MAY BE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION.
3. THE CONTRACTOR SHALL ADHERE TO ALL TREC REGULATIONS PER 30 TAC CHAPTER 217 AND TRENCH SAFETY FOR EXCAVATIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL AND MUST ADHERE TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
4. ALL FIBERGLASS MANHOLES SHALL BE MONOLITHIC WITH 0.50" MINIMUM WALL THICKNESS. FIBERGLASS BOTTOM SHALL BE DESIGNED TO WITHSTAND HYDROSTATIC HEAD PRESSURE UNDER ALL CONDITIONS.
5. ALL MANHOLE WALL PENETRATIONS SHALL BE CORED AND SEALED WITH APPROVED TFSMHA WATER STOP GASKET ASSEMBLY.
6. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COATING ON ALL EXPOSED CONCRETE SURFACES, INCLUDING CORREL AREA, MANHOLE WALLS AND MANHOLE BENCH.
7. FOR FIBERGLASS MANHOLES WITH WATERTIGHT BOTTOM, ADHERE TO ALL MANUFACTURER REQUIREMENTS. FIBERGLASS BOTTOM AND BENCH MUST ALSO BE FACTORY INSTALLED.
8. CEMENT STABILIZED SAND AND SELECT BACKFILL TO BE COMPACTED IN 12 INCH LIFTS TO 95% STD. PROCTOR.
9. ALL DROP CONNECTIONS TO MANHOLE SHALL USE TFSMHA WATER STOP GASKET ASSEMBLY.
- 10.

S-31A

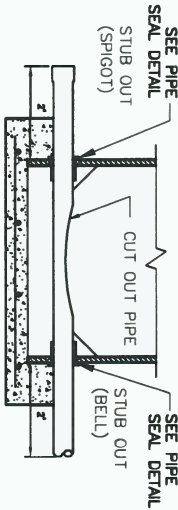
MONOLITHIC FIBERGLASS MANHOLE
DETAILS

SCALE: N.T.S. REVISED: I.P./GC REVISION: MAY 2019
DATE: JULY 2020 DRAWN BY: RMM REVISION:

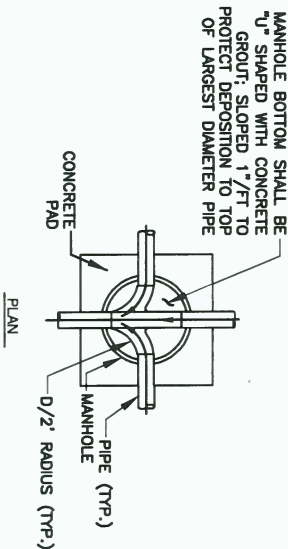


PIPE SEAL DETAIL

NOT TO SCALE



SECT. VIEW A-A



WASTEWATER MANHOLE (BOTTOM)

NOT TO SCALE

| MANHOLE REQUIREMENTS | |
|----------------------|------------------|
| PIPE DIAMETER | MANHOLE DIAMETER |
| ≤ 18" | 4' |
| 18" < TO ≤ 36" | 5' |
| 36" < TO ≤ 42" | 6' |

| APPROVED COATINGS TABLE | |
|-------------------------|----------------|
| MANUFACTURER | MODEL NAME |
| JEFFCOAT | JEFFCOAT 326 |
| RAVEN LINING SYSTEM | RAVEN 405 |
| SHERWIN WILLIAMS | DURAPLATE 5800 |
| CARBOLINE | PHENOLINE 309 |

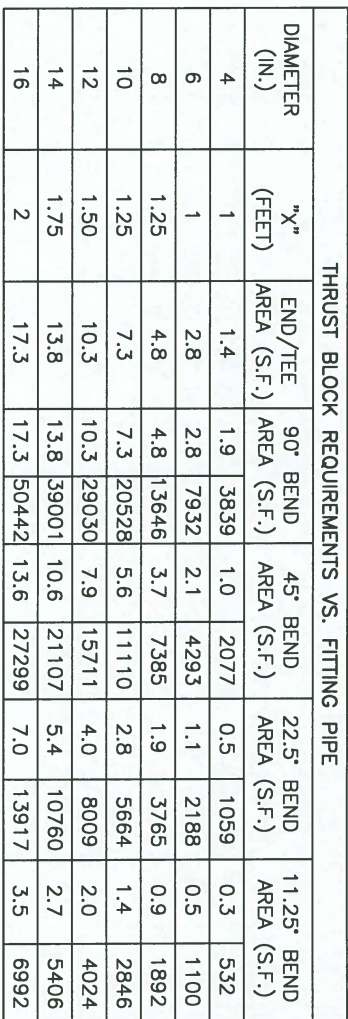
NOTE:
COAT ALL CONCRETE SURFACES INCLUDING BUT NOT LIMITED TO BENCH, WALLS AND CONCRETE COLLARS AROUND PIPE CONNECTIONS.

S-31B

MONOLITHIC FIBERGLASS MANHOLE
DETAILS




SCALE: N.T.S. REVISED: I.P./GC REVISION: MAY 2019
DATE: MAY 20119 DRAWN BY: RMM REVISION:

| | | | | | | | | | | | |
|--|-----------|-----|--|---|------|----|-------------|---|--|---|--|
| 1 | 7/15/2020 | HPG | ADDED ADDITIONAL DETAILS (C21A & C23A) (ADDENDUM #2) | | | | | | | | |
| REVISION NO. | DATE | BY | DESCRIPTION | REVISION NO. | DATE | BY | DESCRIPTION | | | | |
| CITY OF EDINBURG LIFT STATION 42 REHAB & UPGRADE-RE BID | | | | THE CITY OF Edinburg PHONE: 956.388-8204 FAX: 956-383-7411 415 W. UNIVERSITY DRIVE EDINBURG, TX 78541 | | | | ICE INTERNATIONAL CONSULTING ENGINEERS PHONE: 956.329.5404 FAX: 361.826.5806 1722 N. CLOISNER BLVD., SUITE B EDINBURG, TX 78541 T.B.P.E. FIRM REGISTRATION #F-10837 | | CONSULTANT'S SHEET PROJECT NO. 20580-04 HUGO P. GONZALEZ JR. 95680 LICENSED PROFESSIONAL ENGINEER <i>D. Gonzalez</i> | |
| DRAWING NO. C21A SHEET 22A of 36 | | | | MONOLITHIC FIBERGLASS MANHOLE DETAILS | | | | | | | |



1. THRUST BLOCKING TO BE PLACED AT ALL DEAD ENDS, TEES, BENDS, WYES, AND REDUCERS AND OTHER AREAS THAT REQUIRE THRUST RESISTANCE.
2. MINIMUM AREAS SHOWN ARE IN SQUARE FEET, BLOCK WEIGHTS FOR VERTICAL BENDS ARE IN POUNDS.
3. THRUST BLOCK AREAS SHOWN ARE BASED ON A TEST PRESSURE OF 150 P.S.I., SOIL BEARING PRESSURE OF 2000 PSF, AND MINIMUM 30" COVER. IF REQUIRED TEST PRESSURE IS LESS OR THE SOIL BEARING CAPACITY IS GREATER, THE CONTRACTOR MAY, AFTER APPROVAL BY THE ENGINEER, REDUCE THE THRUST BLOCK AREA SHOWN. THRUST BLOCKING AREA SHALL BE INCREASED IF SOIL BEARING CAPACITY IS LESS THAN 2000 P.S.I.
4. AT DOWNWARD VERTICAL BENDS, PIPING SHALL BE RESTRAINED BY THRUST BLOCK AS SHOWN WITH WEIGHT INDICATED IN THE TABLE. ANCHOR RODS OR FLAT BARS SHALL BE STAINLESS STEEL.
5. BEARING MUST BE ON UNDISTURBED EARTH.
6. USE 3000 P.S.I. CONCRETE
7. RESTRAINING JOINTS MAY BE REQUIRED AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER
8. THRUST BLOCK SHALL BEAR ON FULL 180° OF CIRCUMFERENCE OF PIPE.

1
C23 C23
CONCRETE
SCALE: N.T.S.

| | | | | | | | | |
|----------------|-----------|-----|--|--|---|------|---|-------------|
| 1 | 7/15/2020 | HPG | DISREGARD DETAIL S-11 (ADDENDUM #2) | | | | | |
| REVISION NO. | DATE | BY | DESCRIPTION | | REVISION NO. | DATE | BY | DESCRIPTION |
| DRAWING NO. | | | CITY OF EDINBURG LIFT STATION 42 REHAB & UPGRADE-RE BID | |  | |  | |
| SHEET 24 of 36 | | | AIR RELEASE VALVE INSTALLATION CONCRETE THRUST BLOCKS | | PHONE 281.288.4884 FAX 281.288.7411 415 W. UNIVERSITY DRIVE EDINBURG, TX 78841 | | PHONE 281.288.4884 FAX 281.288.5888 1720 N. GLASSBORO BLVD., SUITE D EDINBURG, TX 78841 T.B.P.E. FIRM REGISTRATION #F-10837 | |
| C23 | | | | |  | | CONSULTANT'S SHEET PROJECT NO. 20580-04 | |

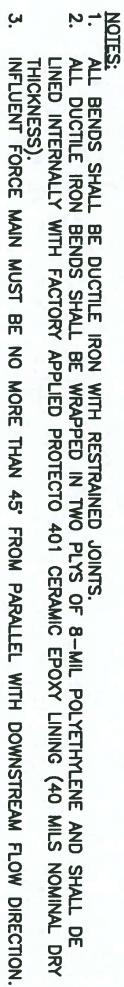


AIR RELEASE VALVE AND MANHOLE

* CEMENT STABILIZED SAND AND SELECT BACKFILL TO BE COMPACTED IN 12 INCH LIFTS TO 95% STD. PROCTOR.

AIR RELEASE VALVE AND MANHOLE

| | | |
|-----------------|---------------|-----------|
| SCALE: N.T.S. | REVISED: GC | REVISION: |
| DATE: JULY 2020 | DRAWN BY: RMM | REVISION: |






FORCE MAIN DISCHARGE MANHOLE DETAIL

NOT TO SCALE

FORCE MAIN DISCHARGE MANHOLE
DETAIL

| | | |
|-----------------|---------------|-----------|
| SCALE: N.T.S. | REVISED: GC | REVISION: |
| DATE: JULY 2020 | DRAWN BY: RMM | REVISION: |

| | | | | | | | | |
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| 1 | 7/15/2020 | HPG | ADDED ADDITIONAL DETAILS (C21A & C23A) (ADDENDUM #2) | | | | | |
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| <div><div>CITY OF EDINBURG LIFT STATION 42 REHAB & UPGRADE-RE BID</div><div>AIR RELEASE VALVE AND MANHOLE FORCEMAIN DISCHARGE MANHOLE DETAIL</div></div> | | | | <div><div></div><div>PHONE: 956.388-8204 FAX: 956-383-7411</div><div>415 W. UNIVERSITY DRIVE EDINBURG, TX 78541</div></div> | | <div><div></div><div>INTERNATIONAL CONSULTING ENGINEERS</div><div>PHONE: 956.329.5404 FAX: 361.826.8906</div><div>1722 N. CLOISER BLVD., SUITE B EDINBURG, TX 78541</div><div>T.S.P.E. FIRM REGISTRATION #F - 10837</div></div> | | <div></div> <div>CONSULTANT'S SHEET PROJECT NO. 20580-04</div> |