THE CITY OF Edinburg

BID REQUEST
ADDENDUM NUMBER THREE (3)

DATE: November 15, 2018

RE: RFP NO. 2019-04 – NEW WASTEWATER TREATMENT PLANT

OWNER: CITY OF EDINBURG

TO: ALL PROPOSERS, HOLDERS OF SPECIFICATIONS, AND ALL 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.

SPECIFICATIONS ADDENDUM ITEM AS SPECIFIED BELOW:

- Refer to attached exhibit from PBK Architects.

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

Lorena Fuentes, Purchasing Agent

Addendum Number 03

November 15, 2018

To Drawings and Specifications dated **October 03, 2018**

City of Edinburg Wastewater Treatment Plant Office

Prepared by: PBK
3900 North 10th Street Suite 810
McAllen, Texas 78501

PBK Project No.: 1811

Notice to Proposers:

A. Receipt of this Addendum shall be acknowledged on the Proposal Form.

B. This Addendum forms part of the Contract documents for the above referenced project and shall be incorporated integrally therewith.

C. Each proposer shall make necessary adjustments and submit his proposal with full knowledge of all modifications, clarifications, and supplemental data included therein. Where provisions of the following supplemental data differ from those of the original Contract Documents, this Addendum shall govern.

GENERAL

Item No. 01: Correction from Addendum 02 Item No. 02, "**Lockers MFG**" is the approved metal locker manufacturer.

Item No. 02: Refer to Geotechnical Supplemental Recommendations for Surface Dry Pit before specification 02 32 00. Please contact Mr. Daniel Garza at 956.292.2045 for site visits.

Item No. 03: Front End documents sections I, II, III, and IV are complementary for the selection process, and what is required by one shall be as binding as if required by all.

SPECIFICATIONS

Item No. 04: DELETE specification 06 12 13 – Structural Panel Concrete Roof Deck

Item No. 05: DELETE specification 10 21 17 – Solid Phenolic Toilet Compartments

Item No. 06: ADD specification 08 16 00 – Fiberglass Doors & Frames

Item No. 07: ADD specification 11 31 00 – Residential Appliances to the Table of Contents

3900 North 10th Street, Suite 810 \\ McAllen, Texas 78501 \\ P 956-687-1330 \\ F 956-687-1331 \\ PBK.com

DRAWINGS

Item No. 08: REPLACE Civil sheets C-1 Existing Conditions & Demolition Plan and C-2 Dimensional Plan Base Bid

END OF ADDENDUM NO. 03

SECTION 08 16 00 – FIBERGLASS DOORS AND FRAMES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

A. Providing Fiberglass Reinforced Plastic (FRP) Doors and Fiberglass Resin Transfer Molded Door Frames, with all fasteners and accessories required for a complete installation.

1.3 RELATED SECTIONS

A. Section 04 20 00 - Unit Masonry: Masonry work in which doorframes are installed.

B. Section 08 80 00 - Glazing: Vision glazing in doors, if any.

1.4 QUALITY ASSURANCE

A. Referenced Standards:
   1. Door Assembly:
      a. ASTM C518, Standard test method for steady state thermal transmission properties by means of the heat flow meter apparatus.

   2. Laminate Properties:
      a. ASTM D256, Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics = 15.75 psi
      b. ASTM D635, Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position
      c. ASTM D638 Standard Test Method for Tensile Properties of Plastics = 15,000 psi.
      d. ASTM D790, Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials Strength = 39,000 psi
      e. ASTM D792 Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement
      f. ASTM D1761, Standard Test Method for Mechanical Fasteners in Wood
      g. ASTM D2583, Standard Test Method for Indentation Hardness of Rigid Plastics by Means of Barcol Impressor = 57
      h. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials
      i. ASTM G155, Standard Practice for Operating Xenon Arc light Apparatus for Exposure of Non-Metallic Materials

   3. Core Properties:
      a. ASTM C177, Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus
      b. ASTM D1622, Standard Test Method for Apparent Density of Rigid Cellular Plastics
      c. ASTM E84, Standard Test Method for Surface Burning Characteristics of Building Materials
      d. WDMA TM-10 and TM-5 Firestop ASTM E2074 U.L. 10(b)

B. Qualifications:
   1. Manufacturer Qualifications: A company specialized in the manufacture of fiberglass reinforced plastic (FRP) doors and frames as specified herein with a minimum of 25 years documented experience and with a record of successful in-service performance for the applications as required for this project.
   2. Installer Qualifications: An experienced installer who has completed fiberglass door and frame installations similar in material, design, and extent to those indicated and whose work has resulted in construction with a record of successful in-service performance.
   3. Source Limitations: Obtain fiberglass reinforced plastic doors and frames through one source fabricated from a single manufacturer, including fire rated fiberglass frames.
   4. Source Limitations: Hardware and accessories for all FRP doors as specified in Section 08 71 00 should be provided and installed by the fiberglass door and frame manufacturer.
   5. Source Limitations: Glass for windows in doors shall be furnished and installed by door and frame manufacturer in accordance with Section 08 80 00.

1.5 SUBMITTALS

A. Product Technical Data Including:
   1. Acknowledgment that products submitted meet requirements of standards referenced.
   2. Manufacturer shall provide certificate of compliance with current local and federal regulations as it applies to the manufacturing process.
   3. Manufacturer's installation instructions.
   4. Schedule of doors and frames indicating the specific reference numbers as used on drawings, door type.
   5. Details of core and edge construction. Include factory-construction specifications.
   6. Certification of manufacturer's qualifications.

B. Submittal Drawings For Customer Approval Shall Be Submitted Prior To Manufacture And Will Include The Following Information And Formatting:
   1. Summary door schedule indicating the specific reference numbers as used on Architect's drawings, with columns noting door type, frame type, size, handing, accessories and hardware.
   2. A drawing depicting front and rear door elevations showing hardware with bill of material for each door.
   3. Drawing showing dimensional location of each hardware item and size of each door.
   4. Individual part drawing and specifications for each hardware item and FRP part or product.
   5. Construction and mounting detail for each frame type.

C. Samples:
   1. Provide one (1) 21 inch x 18 inch completely assembled (hinged) door and frame corner section, with faces and edges representing typical color and finish. One (1) edge shall be exposed for view of interior door and frame composition. Sample shall include six (6) inch light opening as well as standard cutouts for hinges and strike plates.

D. Operation and Maintenance Manuals:
   1. Include recommended methods and frequency for maintaining optimum condition of fiberglass doors and frames under anticipated traffic and use conditions.
   2. Include one (1) set of final as built drawings with the same requirements as mentioned in Paragraph B above.
   3. Include certificate of warranty for door and frame listing specific door registration numbers.
   4. Include hardware data sheets and hardware manufacturer's warranties.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Each door and frame should be delivered individually crated for protection from damage in cardboard containers, clearly marked with project information, door location, specific reference number as shown on drawings, and shipping information. Each crate should contain all fasteners necessary for installation as well as complete installation instructions.

B. Doors should be stored in the original container out of inclement weather for protection against the elements.

C. Handle doors pursuant to the manufacturer's recommendations as posted on outside of crate.

1.7 WARRANTY

A. Warranty all fiberglass doors and frames for a period of 25 years against failure due to corrosion. Additionally, warranty all fiberglass doors and frames on materials and workmanship for a period of ten (10) years, including warp, separation or delamination, and expansion of the core.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Specifications are based on Chem-Pruf Door Co., Ltd., Brownsville, Texas; (800) 444-6924. Manufacturers listed below who produce products equivalent to those specified are approved for use on the Project. Other manufacturers must have a minimum of five (5) years experience manufacturing equivalent products to those specified and comply with requirements of Division 1 regarding substitutions to be considered.

1. Cline FRP Doors, Bradenton, Florida; (800) 648-6736
2. Special-Lite, Inc., Decatur, Michigan; (800) 821-6531
3. Tiger Door Company, LLC, An Overly Door Company, Omaha, Nebraska; (888) 891-4416

2.2 FRP DOORS

A. Doors shall be made of fiberglass reinforced plastic (FRP) using chemically proven resins resistant to contaminants typically found in the environment for which these specifications are written. Doors shall be 1-3/4 inch thick and of flush construction, having no seams or cracks. All doors up to 4 feet-0 inches x 8 feet-0 inches shall have equal diagonal measurements with a maximum tolerance of +/- 1/32 inch.

B. Door Plates shall be +/- 0.125 inch thick, molded in one continuous piece, starting with a 25 mil polyurethane coating of the color specified, integrally molded with at least two (2) layers of 1.5 ounce per square foot fiberglass mat and one (1) layer of 13 ounce per square yard unidirectional roving. This will yield a plate weight of 0.97 lbs per square foot at a ratio of 30/70 glass to resin.

C. Stiles and Rails shall be constructed starting from the outside toward the inside, of a 25 mil polyurethane coating of the color specified followed by a matrix of at least three (3) layers of 1.5 ounce per square foot of fiberglass mat. The stile and rail shall be molded in one continuous piece to a U-shaped configuration and to the exact dimensions of the door. In this manner there will be no miter joints or disparate materials used to form the one-piece stile and rail.

D. Core material shall be 2 psf expanded polyurethane foam, which completely fills all voids between the doorplates. Class A in accordance with ASTM E-84 with a maximum flame spread of 75 and maximum smoke development of 450.

E. Internal Reinforcement shall be NWPF of sufficient amount to adequately support required hardware and function of the same.

F. Finish of door and frame shall be identical in color and texture. At time of manufacture, 25 mil of resin-rich polyurethane coating must be integrally molded into both the door and frame. Secondary painting to achieve color is not acceptable.

G. Window openings shall be provided for at time of manufacture and shall be completely sealed so that the interior of the door is not exposed to the environment. Fiberglass retainers who hold the glazing in place shall be resin transfer molded with a profile that drains away from glazing. The retainers must match the color, texture and finish of the doorplates. Glass shall be furnished and installed by door and frame manufacturer.

H. Louver openings shall be sealed in the same manner as the window openings. Louvers are to be solid fiberglass inverted "V" vanes and shall match the color, texture and finish of the doorplates.

I. Transoms shall be identical to the doors in construction, materials, thickness and reinforcement.

2.3 FRP FRAMES

A. Frames shall be fiberglass and manufactured using the resin transfer method in closed rigid molds to assure uniformity in color and size. Beginning with a minimum 25 mil polyurethane coating and a minimum of two (2) layers continuous strand fiberglass mat saturated with resin, the frame will be of one-piece construction with molded stop. All frame profiles up to 3/4 inch will be solid fiberglass. All frame profiles greater than 3/4 inch shall have a core material of 2 psf polyurethane foam. Metal frames or pultruded fiberglass frames will not be accepted.

B. Finish of frame shall be identical in color and texture to the door. 25 mil resin rich polyurethane coating will be integrally molded into the frame at time of manufacture. Secondary painting to achieve color is not acceptable.

C. Jamb/Header connection shall be coped by CNC for tight fit.

D. Internal Reinforcement shall be continuous within the structure to allow for mounting of specified hardware. Material shall be completely non-organic with a minimum hinge screw holding value of 656 lbs. Frame screw holding value to accommodate screw shall be minimum of 1,000 lbs per screw. Documented strength of frame screw holding value after third insert must be submitted. Dissimilar materials, such as steel, will be deemed unacceptable as reinforcement for hardware attachment.

E. Mortises for hardware shall be accurately machined by CNC to hold dimensions to +/- 0.010 inch in all three (3) axis.

F. Hinge pockets shall be accurately machined by CNC to facilitate heavy-duty hinges at all hinge locations, using spacers when standard weight hinges are used.

2.4 HARDWARE

A. Due to the special nature of the material in this Section, all related hardware as specified must be furnished and installed by the door and frame manufacturer.

PART 3 - EXECUTION

3.1 INSTALLATION CONDITIONS

A. Verification of Conditions:

1. Openings are correctly prepared to receive doors and frames.
2. Openings are correct size and depth in accordance with shop drawings or submittals.

B. Installer's Examination:
1. Have the installer examine conditions under which construction activities of this section are to be performed and submit a written report if conditions are unacceptable.
2. Transmit two (2) copies of the installer's report to the architect within 24 hours of receipt.
3. Beginning construction activities of this Section before unacceptable conditions have been corrected is prohibited.

3.2 INSTALLATION

A. Install door-opening assemblies in accordance with shop drawings and manufacturer's printed installation instructions, using installation methods and materials specified in installation instructions.

B. Field alteration of doors or frames to accommodate field conditions is strictly prohibited.

C. Site tolerances: Maintain plumb and level tolerance specified in manufacturer's printed installation instructions.

D. Fire labeled doors and frames must be installed in strict accordance with manufacturer's instructions and the latest revision of NFPA 80.

3.3 ADJUSTING

A. Adjust doors in accordance with door manufacturer's maintenance instructions to swing open and shut without binding and to remain in place at any angle without being moved by gravitational influence.

B. Adjust door hardware to operate correctly in accordance with hardware manufacturer's maintenance instructions.

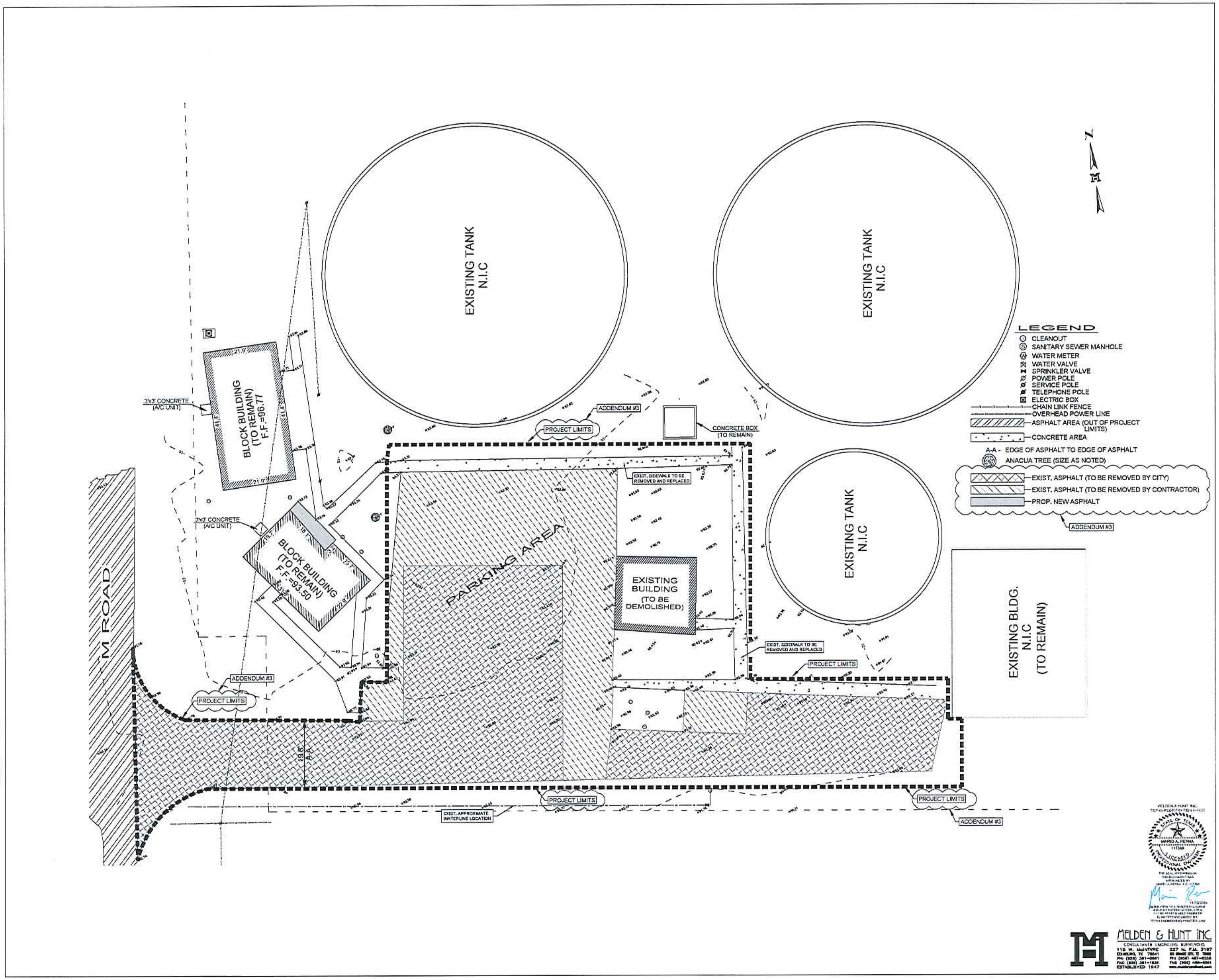
3.4 CLEANING

A. Clean surfaces of door opening assemblies and exposed door hardware in accordance with respective manufacturer's maintenance instructions.

3.5 PROTECTION OF INSTALLED PRODUCTS

A. Protect door opening assemblies and door hardware from damage by subsequent construction activities until final inspection and acceptance.

END OF SECTION 08 16 00



PBK

ARCHITECT PBK Architects, Inc.
MCALLEN
3800 North 10th Street, Suite 810
McAllen, TX 78501
956-687-1330 P
956-687-1331 F
TX Firm: F-3789

WASTEWATER TREATMENT PLANT OFFICE

415 W. UNIVERSITY DRIVE
P.O. BOX 1079 EDINBURG, TEXAS 78540
75% Review Set

KEY PLAN

G	H	J
D	E	F
A	B	C

PLAN NORTH TRUE NORTH

Interim Notification

Architect's Name
Architectural Registration No.00000

This document is incomplete and is for interim review only

Not for regulatory approval, permitting, or construction

Other

Architect

CLIENT
CITY OF EDINBURG
PROJECT NUMBER
1611
DATE 06.04.18

REVISIONS

No.	Description	Date
1	Addendum No. 3	11.11.18

BID SET

EXISTING CONDITIONS & DEMOLITION PLAN

C1

Addendum No. 03

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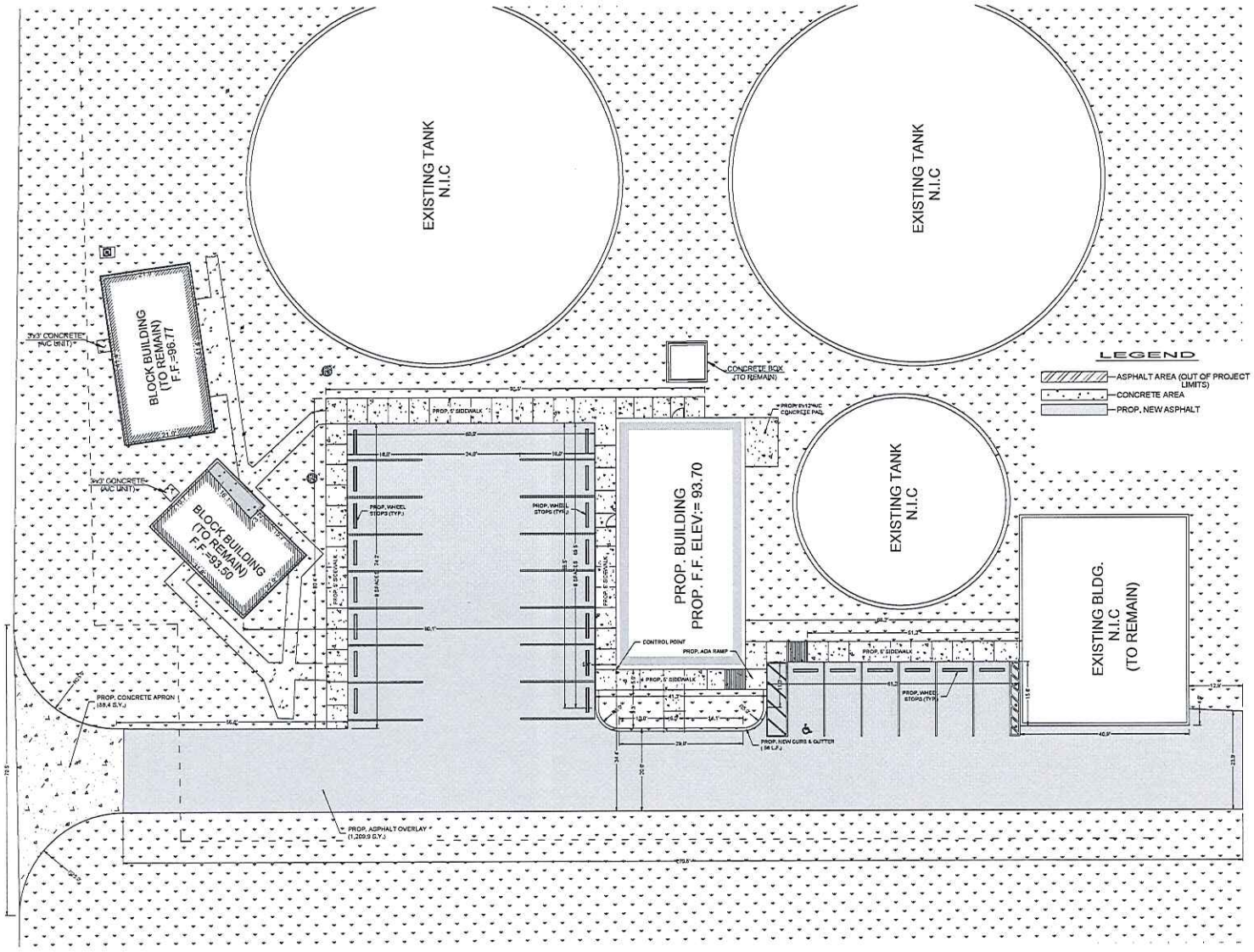

NOTE:

1. RESHAPE PARKING LAYOUT, GRADING, SIDEWALK, SIDEWALK CHUTES, CURB & GUTTER, FIRE LANE PAINT, ADA RAMPS AND ADA SIGN UNDER BASE BID. (BY CONTRACTOR)
1. REMOVAL OF EXISTING ASPHALT, SUBGRADE, ASPHALT OVERLAY, CONCRETE APRON, STRIPING AND CONCRETE WHEEL STOP BY CITY OF EDINBURG.

ADDENDUM #3

MELDEN & HUNT INC.
CONSULTANTS ENGINEERS SURVEYORS
115 W. McINTYRE
EDINBURG, TX 78541
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Fax: (956) 487-8865
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PBK

ARCHITECT: PBK Architects, Inc.
MCALLEN
3500 North 10th Street, Suite 810
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TX Firm: F-3709

WASTEWATER TREATMENT
PLANT OFFICE

415 W. MAGNOLIA DRIVE
P.O. BOX 1079 EDINBURG, TEXAS 78540

Revised Set

G H J
D E F
A B C

KEY PLAN — PLAN NORTH — TRUE NORTH

Interim Notification

Architect's Name
Architectural Registration No.00000

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Other

Architect

CLIENT
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PROJECT NUMBER
1611

DATE
06.04.18

REVISIONS

No.	Description	Date
1	Addendum No. 1	11.05.18

BID SET

DIMENSIONAL
PLAN
BASE BID

C2
Addendum No. 03

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