

## **WASTEWATER TRUNK LINE CONSTRUCTION AND REIMBURSEMENT AGREEMENT**

This Wastewater Trunk Line Construction and Reimbursement Agreement ("Agreement") is entered into between the City of Corpus Christi ("City"), a Texas home-rule municipality, and **(YASIN INVESTMENTS, LLC)**, ("Developer/Owner"), a (Texas Limited Liability Company).

**WHEREAS**, the Developer/Owner, in compliance with the City's Unified Development Code ("UDC"), has a plat, approved by the Planning Commission on **(June 29, 2022)** to develop a tract of land, to wit approximately **2.412** acres known as **(PADRE ISLAND NO.1 and OFF SOUTH PADRE ISLAND DRIVE ON THE ISLAND AND SOUTH OF VIENTO DEL MAR DR. )** as shown in the attached **Exhibit 1**, the content of such exhibit being incorporated by reference into this Agreement;

**WHEREAS**, under the UDC, the Developer/Owner is responsible for construction of the Trunk Line ("Wastewater Improvements");

**WHEREAS**, under the UDC, the Developer/Owner is eligible for reimbursement of the Developer/Owner's costs for the construction of Wastewater Improvements;

**WHEREAS**, it is to the best interest of the City that the Wastewater Improvements be constructed to its ultimate capacity under the City's applicable Master Plan;

**WHEREAS**, Section 8.5.2.E. of the UDC authorizes the acceptance of applications to be eligible for reimbursement in the future when funds become fully available in the Wastewater Trunk System Trust Fund and are appropriated by the City Council;

**WHEREAS**, the Developer/Owner has submitted an application for reimbursement of the costs from the Wastewater Trunk System Trust Fund for installing the Wastewater Improvements, as shown in **Exhibit 2**, the content of such exhibit being incorporated by reference into this Agreement;

**WHEREAS**, the Wastewater Trunk System Trust Fund does not currently have sufficient funds to fully reimburse Developer/Owner for Wastewater Improvements; and

**WHEREAS**, Developer/Owner may be paid when assets of the Wastewater Trunk System Trust Fund are sufficient, authorized for such purpose, and Developer/Owner has priority per UDC §8.5.2. E.

**NOW, THEREFORE**, in consideration of the mutual promises and covenants contained in this Agreement, the parties do covenant and agree as follows:

### **1. TRUSTEE LIABILITY.**

- a. The City is executing this agreement as trustee of the Wastewater Trust Fund pursuant to UDC §8.5. The City is acting as trustee to further its governmental functions of providing water and sewer service. Texas Constitution Article 11, Section 3 prohibits the City from becoming a subscriber to the capital of any private corporation or association, or make any appropriation or donation to the same, or in anyway loan its credit. As such, the City's participation as Trustee does not create a

loan of its credit. Execution of this agreement constitutes a promise to pay only to the extent that the assets and future assets of the trust are sufficient for such purpose and it is expressly agreed that any judgment will only be satisfied out of the assets of the trust and not out of the City's assets. The City is excluded from personal liability.

- b. The Wastewater Sanitary Sewer Trunk Line Trust Fund was established by Ordinance No. 17396 to encouraging the orderly development of subdivisions within and surrounding the City of Corpus Christi, Texas and continues pursuant Texas Local Government Code §395.001(4)(C). The revenue generated for funding and continuation of the Wastewater Sanitary Sewer Trunk Line Trust Fund is subject to legislation of the State of Texas and the City of Corpus Christi. Nothing in this agreement guarantees neither the continuation nor future revenues of the Wastewater Sanitary Sewer Trunk Line Trust Fund. The City is not liable for modification or termination of the Wastewater Sanitary Sewer Trunk Line Trust Fund. The Developer/Owner agrees that any modification or termination of the Wastewater Sanitary Sewer Trunk Line Trust Fund is a legislative action and does not constitute a breach of trust, an act of bad faith, an intentional or reckless indifference to the interest of a beneficiary, or a profit derived by the trustee from a breach of trust.

2. PLANS AND SPECIFICATIONS.

- a. Developer/Owner shall contract with a professional engineer licensed in the State of Texas and acceptable to the City's Development Services Engineer to prepare plans and specifications for the Wastewater Improvements, as shown in the attached **Exhibit 3**, the content of such exhibit being incorporated by reference into this Agreement, with the following minimum requirements:

1.

Sanitary Sewer - Reimbursable Items					
	Item	Quantity	Unit	Unit Cost	Amount
1	Mobilization	1.00	L.S.	\$45,000	\$45,000.00
2	Connect 24" PVC to exist WW manhole D = 13'	1.00	L.S.	\$18,000	\$18,000.00
3	New 24" PVC Sanitary sewer line D = 10' to 13'	668.00	L.F.	\$950	\$634,600.00
4	New 6' diameter fiberglass WW manhole 11'-12' deep	1.00	Ea.	\$19,000	\$19,000.00
5	Replace exist 4' dia. WW manhole with 6' diameter fiberglass WW manhole 10'-11' deep	1.00	Ea.	\$34,000	\$34,000.00
6	24" PVC cap	1.00	Ea.	\$800	\$800.00
7	Trench de-watering	668.00	L.F.	\$125	\$83,500.00
8	Trench protection	668.00	L.F.	\$8	\$5,344.00
9	Storm Water Pollution Protection	1.00	L.S.	\$15,000	\$15,000.00
10	Remove & replace concrete cart path	120.00	S.F.	\$55	\$6,600.00
11	Remove & replace existing 12' driveway	120.00	S.F.	\$65	\$7,800.00

12	Remove & replace concrete sidewalk	120.00	S.F.	\$40	\$4,800.00
13	Remove & replace existing chain link fence	285.00	L.F.	\$30	\$8,550.00
14	Temporary chain link fence	265.00	L.F.	\$25	\$6,625.00
15	Remove & replace existing grate inlet	1.00	Ea.	\$2,500	\$2,500.00
16	Fuels, insurance, video inspections, construction supervision	1.00	L.S.	\$183,500	\$183,500.00
				Subtotal Construction Items	\$1,075,619.00
				8% Engineering Costs	\$86,049.52
				Sub Total Costs	\$1,161,668.52
				10% Contingency	\$116,166.85
				TOTAL	\$1,277,835.37
				WASTEWATER LOT FEE CREDIT	\$2,972.33
				<b>TOTAL REIMBURSEMENT FROM TRUST FUND</b>	<b>\$1,274,863.04</b>

- b. The plan must be in compliance with the City's master plans.
- c. The plans and specifications must comply with the City's Wastewater Standards Detail Sheets and Standard Specifications.
- d. Before the Developer/Owner starts construction, the plans and specifications must be approved by the City's Development Services Engineer

3. REIMBURSEMENT.

- a. The cost for the Wastewater Improvements less \$2,972.33 lot/acreage fee credit is \$1,274,863.04. Subject to the conditions for reimbursement from the Wastewater Trunk Line System Trust Fund and the appropriation of funds, the City will reimburse the developer, the reasonable actual cost of the Wastewater Improvements up to an amount not to exceed \$1,274,863.04 as shown in the attached **Exhibit 4**, the contents of such exhibit being incorporated by reference into this Agreement.
- b. Subject to the conditions for reimbursement from the Wastewater Trunk Line System Trust Fund per the UDC and this agreement, the City agrees to reimburse the

Developer/Owner on a monthly basis upon invoicing for work performed. The submitted invoice shall be deemed administratively complete by the City prior to payment. The reimbursement will be made no later than 30 days from the date of the City's administrative approval of the invoice. Developer/Owner shall submit all required performance bonds and proof of required insurance under the provisions of this Agreement.

- c. Cost-supporting documentation to be submitted shall include:
  - 1. Summary of Costs and Work Performed on Form provided by the Development Services Department.
  - 2. Contractor and professional services invoices detailing work performed.
  - 3. The first reimbursement request requires submittal of invoices for work performed. Future disbursements shall provide evidence of payment by the developer/owner through a cancelled check or bank ACH for the previous submittal. The final reimbursement request shall require evidence that all invoices to date have been paid.
- d. To be eligible for reimbursement, the work must be constructed in a good and workmanlike manner and must have been inspected and accepted by the City. The City agrees to conduct periodic inspections and approve the progress of the work at key points during construction.
- e. The final 5% of the total contract reimbursement amount will be held as retainage until such time the City issues acceptance of public infrastructure in accordance with Unified Development Code.
- f. In the event that this Agreement is terminated by the City as a result of an uncured default by the Developer/Owner and at a time when there has been a partial completion and/or partial payment for the improvements, then the City shall only reimburse the Developer/Owner for its costs that were legitimately incurred towards the completion of the improvements that have been inspected and accepted by the City up to the time that the uncured default occurred.

#### 4. PAYMENTS, CREDITS, AND DEFERRED REIMBURSEMENT.

- a. All payments, credits, priority of reimbursement, and deferred reimbursement shall be made in accordance with UDC §8.5. Developer/Owner understands and agrees that if funds are not available in the Wastewater Trunk System Trust Fund, that reimbursement will not be made until such funds are available, appropriated, and Developer/Owner has priority per UDC §8.5.2. Pursuant UDC §8.5.2. E., priority is determined according to the date the reimbursement agreement is approved by the City Council.
- b. Payments will not be paid when funds are not available in the Wastewater Trunk System Trust Fund. Payments may be made when monies are available in and appropriated from the Wastewater Trunk System Trust Fund and the Developer/Owner has priority in accordance with UDC §8.5.2. E.

- c. If the developer is owed funds from the Wastewater Trunk System Trust Fund, the developer will be given credit for lot or acreage fees that are due on subsequent final plats filed with the County Clerk in accordance with UDC §8.5.2. E. The amounts credited will be deducted from the outstanding amounts owed to the developer by the Wastewater Trunk System Trust Fund until the total amount owed has been paid, provided that the lands being platted are within or contiguous to the boundaries of the preliminary plat of the originally developed property, the land will be served by the wastewater trunk line for which the credit was given, and an extension of the trunk line was not required to serve the land.

5. DEVELOPER/OWNER TO COMPLETE IMPROVEMENTS. Developer/Owner shall award a contract and complete the Wastewater Improvements under the approved plans and specifications within 24 months from the date of City Council approval of this agreement.

6. NOTICES.

- a. Any notice or other communication required or permitted to be given under this Agreement must be given to the other party in writing at the following address:

- 1. If to the Developer/Owner:

**YASIN INVESTMENTS, LLC  
14213 PUNTA BONAIRE DRIVE  
CORPUS CHRISTI, TEXAS 78418**

- 2. If to the City:

City of Corpus Christi  
Attn: Director, Development Services Department  
2406 Leopard Street 78401  
P. O. Box 9277  
Corpus Christi, Texas 78469-9277

with a copy to:

City of Corpus Christi  
Attn: Assistant City Manager, Business Support Services  
1201 Leopard Street 78401  
P. O. Box 9277  
Corpus Christi, Texas 78469-9277

- b. Notice must be made by United States Postal Service, First Class mail, certified, return receipt requested, postage prepaid; by a commercial delivery service that provides proof of delivery, delivery prepaid; or by personal delivery.

- c. Either party may change the address for notices by giving notice of the change under the provisions of this section.

7. REQUIRED CONSTRUCTION. Developer/Owner shall construct the Wastewater Improvements in compliance with the City's UDC, the City's Infrastructure Design Manual, and all local, state and federal laws, codes and regulations, in accordance with the plans and

specifications submitted to the City's Development Services Department and reviewed and approved by the City's Development Services Engineer.

8. SITE IMPROVEMENTS. Prior to the start of construction of the Wastewater Improvements, Developer/Owner shall acquire and dedicate to the City the required additional public utility easements ("Easements"), if any, necessary for the completion of the Wastewater Improvements. If any of the property needed for the Easements is owned by a third party and the Developer/Owner is unable to acquire the Easements through reasonable efforts, then the City may use its powers of eminent domain to acquire the Easements. Developer will be responsible for cost of acquisition, payable from the reimbursement agreed to in this agreement.

9. PLATTING FEES. Developer/Owner shall pay to the City the required acreage fees and pro-rata fees as required by the UDC.

10. TIME IS OF THE ESSENCE. Time is of the essence in the performance of this contract.

11. PROMPT AND GOOD FAITH ACTIONS. The parties shall act promptly and in good faith in performing their duties and obligations under this Agreement. If this Agreement calls for review or inspections by the City, then the City's reviews or inspections must be completed thoroughly and promptly.

12. DEFAULT. The following events shall constitute default:

a. Developer/Owner fails to engage a professional engineer for the preparation of plans and specifications by the 10th calendar day after the date of approval of this Agreement by the City Council.

b. Developer/Owner's professional engineer fails to submit the plans and specifications to the City's Director of Engineering Services by the 40th calendar day after the date of approval by City Council.

c. Developer/Owner fails to award a contract for the construction of the project, according to the approved plans and specifications, by the 70th calendar day after the date of approval by City Council.

d. Developer/Owner's contractor does not reasonably pursue construction of the Wastewater Improvements under the approved plans and specifications.

e. Developer/Owner's contractor fails to complete construction of the Wastewater Improvements, under the approved plans and specifications as provided in section 4 of this agreement.

f. Either the City or the Developer/Owner otherwise fails to comply with its duties or obligations under this Agreement.

13. NOTICE AND CURE.

a. In the event of a default by either party under this Agreement, the non-defaulting party shall deliver notice of the default, in writing, to the defaulting party stating, in sufficient detail, the nature of the default and the requirements to cure such default.

b. After delivery of the default notice, the defaulting party has 15 business days from the delivery of the default notice ("Cure Period") to cure the default.

c. In the event the default is not cured by the defaulting party within the Cure Period, then the non-defaulting party may pursue its remedies in this section.

d. Should Developer/Owner fail to perform any obligation or duty of this Agreement, the City shall give notice to Developer/Owner, at the address stated in section 6, of the need to perform the obligation or duty, and should Developer/Owner fail to perform the required obligation or duty within 15 days of receipt of the notice, the City may perform the obligation or duty, charging the cost of such performance to Developer/Owner by reducing the reimbursement amount due Developer/Owner.

e. In the event of an uncured default by the Developer/Owner, after the appropriate notice and Cure Period, the City has all its common law remedies and the City may:

1. Terminate this Agreement after the required notice and opportunity to cure the default;

2. Refuse to record a related plat or issue any certificate of occupancy for any structure to be served by the project; and/or

3. Perform any obligation or duty of the Developer/Owner under this Agreement and charge the cost of such performance to the Developer/Owner. The Developer/Owner shall pay to the City the reasonable and necessary cost of the performance within 30 days from the date the Developer/Owner receives notice of the cost of performance. In the event the Developer/Owner pays the City under the preceding sentence and is not otherwise in default under this Agreement, then the Agreement shall be considered in effect and no longer in default.

f. In the event of an uncured default by the City after the appropriate notice and Cure Period, the Developer/Owner has all its remedies at law or in equity for such default.

#### 14. FORCE MAJEURE.

a. The term "force majeure" as employed in this Agreement means and refers to acts of God; strikes, lockouts, or other industrial disturbances; acts of public enemies; insurrections; riots; epidemics; landslides; lightning; earthquakes; fires; hurricanes; storms; floods; washouts; droughts; arrests; civil disturbances; explosions; or other causes not reasonably within the control of the party claiming the inability.

b. If, by reason of force majeure, either party is rendered wholly or partially unable to carry out its obligations under this Agreement, then the party claiming force majeure shall give written notice of the full particulars of the force majeure to the other party within ten (10) business days after the occurrence or waive the right to claim it as a justifiable reason for delay. The obligations of the party giving the required notice, to the extent affected by the force majeure, are suspended during the continuance of the inability claimed but for no longer period, and the party shall endeavor to remove or overcome such inability with all reasonable dispatch.

15. THIRD-PARTY BENEFICIARY. Developer/Owner's contracts with the professional engineer for the preparation of the plans and specifications for the construction of the Wastewater Improvements, contracts for testing services, and contracts with the contractor for the construction of the Wastewater Improvements must provide that the City is a third-party beneficiary of each contract.

16. PERFORMANCE AND PAYMENT BONDS. Developer/Owner shall, before beginning the work that is the subject of this Agreement, furnish a performance bond payable to the City of Corpus Christi if the contract is in excess of \$100,000 and a payment bond if the contract is in excess of \$50,000. Bonds furnished must meet the requirements of Texas Insurance Code 3503, Texas Government Code 2253, and all other applicable laws and regulations. The performance or payment bond must name the City as an obligee. If the Developer/Owner is not an obligor, then Developer/Owner shall be named as a joint obligee. The bond must clearly and prominently display on the bond or on an attachment to the bond:

(1) the name, mailing address, physical address, and telephone number, including the area code, of the surety company to which any notice of claim should be sent; or

(2) the toll-free telephone number maintained by the Texas Department of Insurance under Subchapter B, Chapter 521, Insurance Code, and a statement that the address of the surety company to which any notice of claim should be sent may be obtained from the Texas Department of Insurance by calling the toll-free telephone number.

17. DEDICATION OF WASTEWATER IMPROVEMENTS. Upon completion of the construction, dedication of Wastewater Improvements will be subject to City inspection and approval.

18. WARRANTY. Developer/Owner shall fully warranty the workmanship of and function of the Wastewater Improvements and the construction thereof for a period of one year from and after the date of acceptance of the facilities by the City's Director of Engineering Services.

**19. INDEMNIFICATION. Developer/Owner covenants to fully indemnify, save and hold harmless the City of Corpus Christi, its officers, employees, and agents, ("indemnitees") against any and all liability, damage, loss, claims, demands suits and causes of action of any nature whatsoever asserted against or recovered from city on account of injury or damage to person including, without limitation on the foregoing, workers compensation and death claims, or property loss or damage of any other kind whatsoever, to the extent any injury, damage, or loss may be incident to, arise out of, be caused by, or be in any way connected with, either proximately or remotely, wholly or in part, the Developer/Owner's failure to comply with its obligations under this agreement or to provide city wastewater service to the development, including injury, loss, or damage which arise out of or are in any manner connected with, or are claimed to arise out of or be in any manner connected with the construction, installation, existence,**



**operation, use, maintenance, repair, restoration, or removal of the public improvements associated with the development described above, including the injury, loss or damage caused by the sole or contributory negligence of the indemnitees or any of them, regardless of whether the injury, damage, loss, violation, exercise of rights, act, or omission is caused or is claimed to be caused by the contributing or concurrent negligence of indemnitees, or any of them, but not if caused by the sole negligence of indemnitees, or any of them, unmixed with the fault of any other person or entity, and including all expenses of litigation, court costs, and attorneys fees, which arise, or are claimed to arise, out of or in connection with the asserted or recovered incident.**

**This indemnity specifically includes all claims, damages, and liabilities of whatever nature, foreseen or unforeseen, under any hazardous substance laws, including but not limited to the following:**

**(a) all fees incurred in defending any action or proceeding brought by a public or private entity and arising from the presence, containment, use, manufacture, handling, creating, storage, treatment, discharge, release or burial on the property or the transportation to or from the property of any hazardous substance. The fees for which the developer/owner shall be responsible under this subparagraph shall include but shall not be limited to the fees charged by (i) attorneys, (ii) environmental consultants, (iii) engineers, (iv) surveyors, and (v) expert witnesses.**

**(b) any costs incurred attributable to (i) the breach of any warranty or representation made by Developer/Owner in this agreement, or (ii) any cleanup, detoxification, remediation, or other type of response action taken with respect to any hazardous substance on or under the property regardless of whether or not that action was mandated by the federal, state or local government.**

**This indemnity shall survive the expiration or earlier termination of the agreement.**

20. ASSIGNMENT OF AGREEMENT. This Agreement or any rights under this Agreement may not be assigned by the Developer/Owner to another without the written approval and consent of the City's City Manager.

21. DISCLOSURE OF INTEREST. Developer/Owner agrees, in compliance with the Corpus Christi Code of Ordinance Sec. 2-349, to complete, as part of this Agreement, the Disclosure of Interest form attached to this Agreement as **Exhibit 5**.

22. CERTIFICATE OF INTERESTED PARTIES. Developer/Owner agrees to comply with Texas Government Code section 2252.908 and complete Form 1295 Certificate of Interested Parties as part of this agreement.

Form 1295 requires disclosure of "interested parties" with respect to entities that enter contracts with cities. These interested parties include:

- (1) persons with a "controlling interest" in the entity, which includes:
  - a. an ownership interest or participating interest in a business entity by virtue of units, percentage, shares, stock or otherwise that exceeds 10 percent;
  - b. membership on the board of directors or other governing body of a business entity of which the board or other governing body is composed of not more than 10 members; or
  - c. service as an officer of a business entity that has four or fewer officers, or service as one of the four officers most highly compensated by a business entity that has more than four officers.
- (2) a person who actively participates in facilitating a contract or negotiating the terms of a contract with a governmental entity or state agency, including a broker, intermediary, adviser or attorney for the business entity.

Form 1295 must be electronically filed with the Texas Ethics Commission at [https://www.ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm). The form must then be printed, signed, notarized and filed with the City. For more information, please review the Texas Ethics Commission Rules at <https://www.ethics.state.tx.us/legal/ch46.html>.

23. CONFLICT OF INTEREST. Developer/Owner agrees to comply with Chapter 176 of the Texas Local Government Code and file Form CIQ with the City Secretary's Office, if required. For more information and to determine if you need to file a Form CIQ, please review the information on the City Secretary's website at <http://www.cctexas.com/government/city-secretary/conflict-disclosure/index>

24. AUTHORITY. All signatories signing this Agreement warrant and guarantee that they have the authority to act on behalf of the entity represented and make this Agreement binding and enforceable by their signature.

25. EFFECTIVE DATE. This Agreement becomes effective and is binding upon and inures to the benefit of the City and the Developer/Owner and their respective heirs, successors, and assigns from and after the date of final execution by all parties.

*Remainder of page intentionally left blank; signature page to follow.*

**EXECUTED IN ONE ORIGINAL** this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

**ATTEST:**

**CITY OF CORPUS CHRISTI**

\_\_\_\_\_  
Rebecca Huerta  
City Secretary

\_\_\_\_\_  
Albert J. Raymond III, AIA, CBO  
Director of Development Services

APPROVED AS TO LEGAL FORM:

\_\_\_\_\_  
Buck Brice (Date)  
Deputy City Attorney  
For City Attorney

**DEVELOPER/OWNER:**

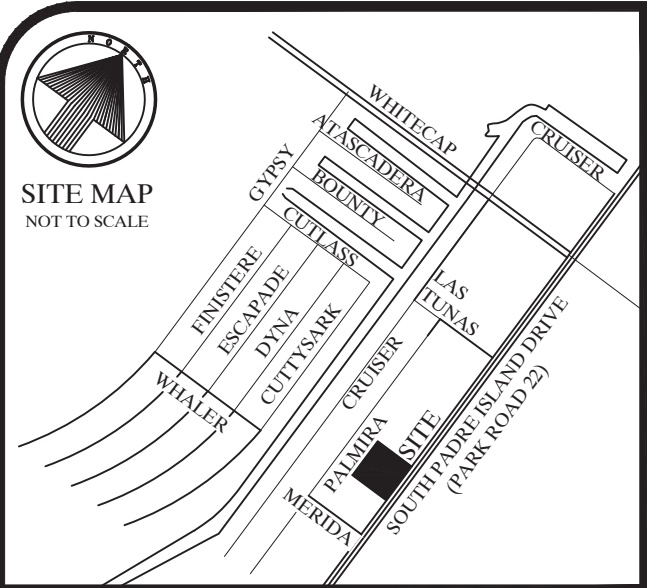
**Yasin Investments, LLC**

By: \_\_\_\_\_  
**Mosin Rasheed,**  
**Managing Member**

**STATE OF TEXAS**                   §  
                                                 §  
**COUNTY OF** \_\_\_\_\_ §

This instrument was acknowledged before me on \_\_\_\_\_, 20\_\_\_\_, by  
**Mosin Rasheed, Managing Member Yasin Investments, Llc, A Limited Liability Company,**  
on behalf of said company.

\_\_\_\_\_  
Notary Public's Signature



# Exhibit 1

## PLAT OF PADRE ISLAND NO. 1 LOT 10R, BLOCK 14

BEING A REPLAT OF LOTS 4A, 5A, 6A, 7A, 8A, 9A, AND 10A, BLOCK 14, PADRE ISLAND NO. 1, AS SHOWN ON A MAP RECORDED IN VOLUME 13, PAGES 1 - 8 AND 17, MAP RECORDS OF NUECES COUNTY, TEXAS.



**Brister Surveying**  
4455 South Padre Island Drive Suite Suite 51  
Corpus Christi, Texas 78411  
Office 361-850-1800  
Fax 361-850-1802  
bristersurveying@corpus.twcbc.com  
Firm Registration No. 10072800

STATE OF TEXAS  
COUNTY OF NUECES

WE, YASIN INVESTMENTS LLC, DO HEREBY CERTIFY THAT WE ARE THE OWNER OF THE PROPERTY SHOWN HEREON. WE HAVE HAD SAID LAND SURVEYED AS SHOWN ON THE FOREGOING MAP. THIS MAP HAS BEEN PREPARED FOR THE PURPOSE OF DESCRIPTION AND DEDICATION.

THIS THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022

\_\_\_\_\_  
MOHSIN RASHEED  
MANAGER

STATE OF TEXAS  
COUNTY OF NUECES

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT AND ACKNOWLEDGED TO ME THAT THEY EXECUTED THE SAME AS THE ACT AND DEED OF SAID LANDS FOR THE PURPOSE AND CONSIDERATION THEREIN EXPRESSED, AND IN THE CAPACITY STATED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE.

THIS THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022

\_\_\_\_\_  
NOTARY PUBLIC

STATE OF TEXAS  
COUNTY OF NUECES

THIS FINAL PLAT OF THE HEREIN DESCRIBED PROPERTY WAS APPROVED BY THE DEVELOPMENT SERVICES ENGINEER OF THE CITY OF CORPUS CHRISTI, TEXAS.

THIS THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022

\_\_\_\_\_  
BRETT FLINT, P.E.  
DEVELOPMENT SERVICES ENGINEER

STATE OF TEXAS  
COUNTY OF NUECES

THIS FINAL PLAT OF THE HEREIN DESCRIBED PROPERTY WAS APPROVED BY THE PLANNING COMMISSION ON BEHALF OF THE CITY OF CORPUS CHRISTI, TEXAS .

THIS THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022

\_\_\_\_\_  
DANIEL M. DIBBLE  
CHAIRMAN

\_\_\_\_\_  
AL RAYMOND III, A.I.A.  
SECRETARY

STATE OF TEXAS  
COUNTY OF NUECES

I, KARA SANDS, CLERK OF THE COUNTY COURT IN AND FOR NUECES COUNTY, TEXAS, DO HEREBY CERTIFY THAT THE FOREGOING INSTRUMENT DATED THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022, WITH ITS CERTIFICATE OF AUTHENTICATION WAS FILED FOR RECORD IN MY OFFICE THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022 AT \_\_\_\_\_ O'CLOCK \_\_M IN SAID COUNTY IN VOLUME \_\_\_\_\_, PAGE \_\_\_\_\_ MAP RECORDS.

WITNESS MY HAND AND SEAL OF THE COUNTY COURT, IN AND FOR SAID COUNTY AT MY OFFICE, IN CORPUS CHRISTI, TEXAS, THE DAY AND YEAR LAST WRITTEN.

NO. \_\_\_\_\_  
FILED FOR RECORD

\_\_\_\_\_  
KARA SANDS, CLERK  
NUECES COUNTY, TEXAS

BY: \_\_\_\_\_  
DEPUTY:

AT \_\_\_\_\_ O'CLOCK \_\_M

STATE OF TEXAS  
COUNTY OF NUECES

I, RONALD E. BRISTER, A REGISTERED PROFESSIONAL LAND SURVEYOR OF BRISTER SURVEYING, HAVE PREPARED THE FOREGOING MAP FROM A SURVEY MADE ON THE GROUND UNDER MY DIRECTION AND IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

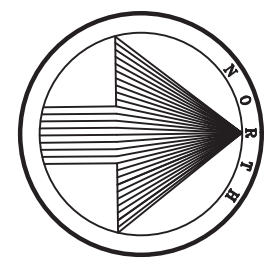
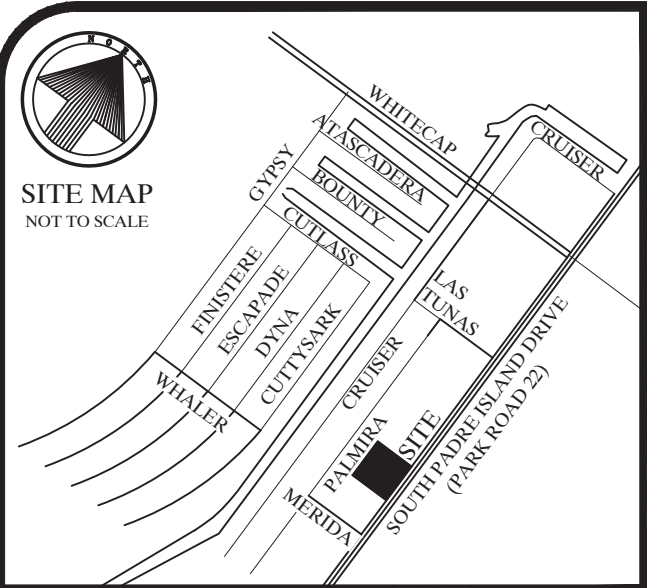
THIS THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2022

\_\_\_\_\_  
RONALD E. BRISTER  
REGISTERED PROFESSIONAL LAND SURVEYOR

NOTES:

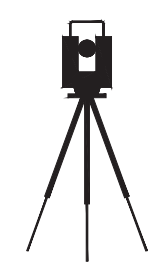
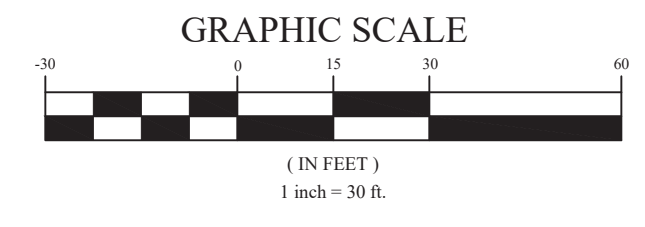
1. THE RECEIVING WATERS FOR THE STORM WATER RUNOFF FROM THIS PROPERTY IS THE LAGUNA MADRE. THE TCEQ HAS CLASSIFIED THE AQUATIC LIFE USE FOR THE LAGUNA MADRE AS "EXCEPTIONAL" AND "OYSTER WATERS". TCEQ ALSO CATEGORIZED THE LAGUNA MADRE AS "CONTACT RECREATIONAL" USE.
2. BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE "A13" (EL 10) ON FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 485464 0405 D, NUECES COUNTY, TEXAS, WHICH BEARS AN EFFECTIVE DATE OF SEPTEMBER 17, 1992. THIS PROPERTY ALSO IS IN ZONE "AE" (EL 10) ON THE PRELIMINARY FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 48355C 0755 G, NUECES COUNTY, TEXAS, WHICH BEARS AN EFFECTIVE PRELIMINARY DATE OF OCTOBER 23, 2015.
3. BEARINGS ARE BASED ON GLOBAL POSITIONING SYSTEM, TEXAS STATE PLAIN NAD 83 (93), TEXAS SOUTH ZONE 4205.
4. THE YARD REQUIREMENT, AS DEPICTED, IS A REQUIREMENT OF THE UNIFIED DEVELOPMENT CODE (UDC) AND IS SUBJECT TO CHANGE AS THE ZONING MAY CHANGE.
5. SET 5/8" RE-BAR WITH CAPS STAMPED "BRISTER SURVEYING" UNLESS NOTED OTHERWISE.
6. THE TOTAL PLATTED AREA IS 2.412 ACRES.
7. PROPOSED DRIVEWAY ACCESS TO A PUBLIC CITY STREET SHALL CONFORM TO ACCESS MANAGEMENT STANDARDS OUTLINED IN ARTICLE 7 OF THE UDC.
8. IF ANY LOT IS DEVELOPED WITH RESIDENTIAL USES, COMPLIANCE WITH THE OPEN SPACE REQUIREMENT WILL BE REQUIRED DURING THE BUILDING PERMIT PHASE.

**APPROVED**  
JUNE 29, 2022  
BY: PLANNING COMMISSION

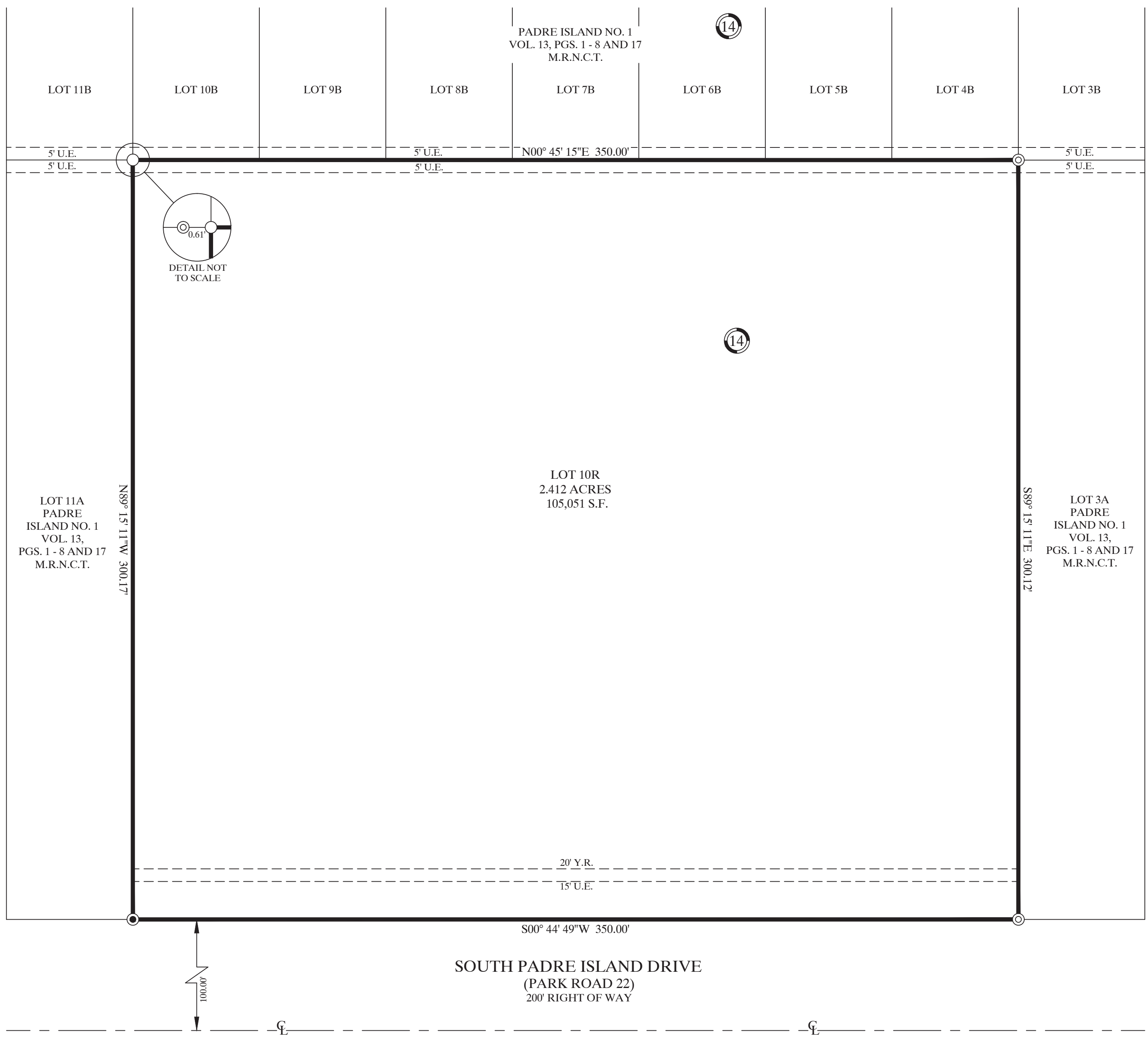


PLAT OF  
PADRE ISLAND NO. 1  
LOT 10R, BLOCK 14

BEING A REPLAT OF LOTS 4A, 5A, 6A, 7A, 8A, 9A, AND 10A, BLOCK 14,  
PADRE ISLAND NO. 1, AS SHOWN ON A MAP RECORDED IN VOLUME  
13, PAGES 1 - 8 AND 17, MAP RECORDS OF NUECES COUNTY, TEXAS.



**Brister Surveying**  
4455 South Padre Island Drive Suite Suite 51  
Corpus Christi, Texas 78411  
Office 361-850-1800  
Fax 361-850-1802  
bristersurveying@corpus.twcbc.com  
Firm Registration No. 10072800



- ⊙ = FOUND 5/8" RE-BAR
- = FOUND 1" IRON PIPE
- = PROPERTY CORNER



# Exhibit 2

## Reimbursement Agreement Application

Development Services Department

Submit the Application to: [contractsandagreements@cctexas.com](mailto:contractsandagreements@cctexas.com)

Mail to: City of Corpus Christi Development Services  
2406 Leopard St. Suite 100  
Corpus Christi, Texas 78408

Date: 5/01/2023

Approved Plat Name: Padre Island No. 1, Block 14, Lot 10

Type of Public Improvements: Wastewater collection system extension

Ownership and authorized signatories to enter into the agreement:  
Yasin Investments, LLC by Mosin Rasheed, Member

Requested duration of agreement: 24 Months

Point of Contact Information:

Contact Name: Mosin Rasheed

Contact Number: (832)922-7951

Name of Company Entering into the agreement (L.L.C.; L.P., Inc.):  
Yasin Investments, LLC

Address: 14213 Punta Bonaire Drive

City: Corpus Christi State: TX ZIP: 78418

Phone Number: (832)922-7951

**The items listed below are required before an application can be processed:**

- 1)  Application for reimbursement per UDC Section 8.5.1 or 8.5.2
- 2)  \$535.00 application fee for new agreements and addendums
- 3)  Planning Commission approved plat (Final or Master Preliminary)
- 4)  Cost estimate for project from a registered engineer
- 5)  Public improvement plans or design memorandum
- 6)  Warrantee Deed for the property associated with the project
- 7)  Disclosure of Interest Form
- 8)  Form 1295, a W-9 Form, and a Corporate Resolution

Mosin Rasheed  
Applicant's Signature

Managing Member  
Title

CITY OF CORPUS CHRISTI  
DEPARTMENT OF DEVELOPMENT SERVICES

(Required Items for a Reimbursement Agreement)

- (1) Reimbursement agreement processing fee of \$535 is due before processing. (fee amount per Section 14-1341 of the city code)
- (2) **Exhibit 1** - Approved final plat or master preliminary plat
- (3) **Exhibit 2** - Application for reimbursement and lot or acreage fee credit if applicable. (Staff will send the applicant all the required agreement forms for signature after the application and required documents have been reviewed and the application fee has been received.)
- (4) **Exhibit 3** - Approved set of public improvement plans or signed and dated design memorandum. Submit plans [to: publicimprovements@cctexas.com](mailto:publicimprovements@cctexas.com)
- (5) **Exhibit 4** - Provide a construction cost estimate and a breakdown of the reimbursable amount you will be requesting. Cost estimates should include title block with engineering firm name and legal description of property. Submit estimates to: [Publicimprovements@cctexas.com](mailto:Publicimprovements@cctexas.com)
- (6) **Exhibit 5** - Signed Disclosure of Interest Form from all interested parties including all supporting documentation for proof of ownership and authorized signatories (original signed form).
- (7) Standard General Insurance Information (documents to be provided before construction begins).
- (8) Warranty Deed
- (9) Corporate Resolution
- (10) Form 1295 use link below to access the form. Enter the name of the type of agreement for box asking for a contract number:  
[https://www.ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm)
- (11) A document recording fee will be due after agreement receives a second reading before City Council and is approved. The recording fee amount is based upon on the total number of pages in the agreement.

Submit the Application to: [contractsandagreements@cctexas.com](mailto:contractsandagreements@cctexas.com)

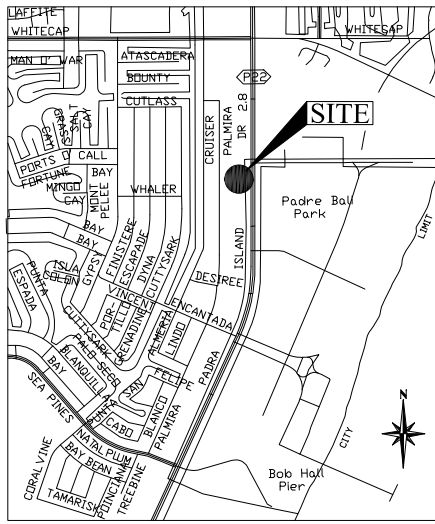
Mail to: City of Corpus Christi Development Services  
2406 Leopard St. Suite 100 Corpus  
Christi, Texas 78408



# Exhibit 3

## CONSTRUCTION PLANS FOR PUBLIC WASTEWATER IMPROVEMENTS MERIDA PLAZA SHOPPING CENTER 15521 SOUTH PADRE ISLAND DR. LOT 10, BLOCK 14 - PADRE ISLAND NO. 1 CORPUS CHRISTI, TEXAS

Estimated Plan Quantities		
Sanitary Sewer		
Connect 24" PVC to exist WW manhole D = 13'	1.00	L.S.
New 24" PVC Sanitary sewer line D = 10' to 13'	668.00	L.F.
New 6" diameter fiberglass WW manhole 11'-12' deep	1.00	Ea.
Replace exist 4' dia. WW manhole with 6' diameter fiberglass WW manhole 10'-11' deep	1.00	Ea.
24" PVC cap	1.00	Ea.
Remove exist 8" clay WW line & replace with 8" PVC D = 9'	150.00	L.F.
Remove & replace 4' diameter WW manhole 8'-9' deep	1.00	Ea.
Reconnect WW service lines to replaced manhole D = 8' to 9'	1.00	L.S.
New 8" PVC Sanitary sewer line D = 9' to 11'	550.00	L.F.
New 4' diameter fiberglass WW manhole 11'-12' deep	1.00	Ea.
8" PVC cap	1.00	Ea.
Trench protection	1,368.00	L.F.
Storm Water Protection	1.00	L.S.



**VICINITY MAP**  
SCALE: N.T.S.

**DRAWING INDEX:**

1. TITLE SHEET
2. GENERAL NOTES
3. SITE PLAN
4. CITY BASE MAPS
5. WASTEWATER LINE
- 6.-8. WASTEWATER PLAN & PROFILE
9. POLLUTION PREVENTION PLAN
10. POLLUTION PREVENTION DETAILS

**CITY OF CORPUS CHRISTI STANDARD DETAIL SHEETS:**

- 11-14 SANITARY SEWER STANDARD DETAILS

**CALL BEFORE YOU DIG!**

DIG TESS PARTICIPANTS REQUEST  
48 HOURS NOTICE BEFORE YOU DIG,  
DRILL, OR BLAST - STOP AND CALL

**DIG TESS**  
1.800.344.8377

VERIZON DIG ALERT  
AT 1.800.483.6279

THE LONE STAR  
NOTIFICATION COMPANY  
AT 1.800.669.8344

Bria A. Whitmire, P.E., CFM, CPM  
CFM, CPM

Digitally signed by Bria A. Whitmire, P.E., CFM, CPM  
Date: 2023.06.01  
10:14:56 -05'00'

**RELEASED FOR CONSTRUCTION**

Bria A. Whitmire, P.E., CFM, CPM  
Development Services Engineer  
City of Corpus Christi

Note: Construction Plans will expire based on the conditions stated in UDC 3.8.5.F.

<b>TITLE SHEET</b>	<b>MERIDA PLAZA SHOPPING CENTER</b> 15521 SOUTH PADRE ISLAND DR. LOT 10, BLOCK 14 - PADRE ISLAND No.1 Corpus Christi, Texas	APPROVED BY: JP DATE: 01-18-23 DRAWING #: 220405 PAGE: 1 OF 14
<p style="font-size: x-small; text-align: right;">Jim Perales, P.E. 10/18/2023</p>		DRAWN BY: RT SCALE: N.T.S.
J. Perales Civil Engineering and Planning Services TBPE FIRM No. E-14207 jperales@jperalesengineering.com P.O. BOX 260547 Corpus Christi, Texas 78426 Tel.: (361) 728-7188		

**LEGEND:**

- EXISTING FIELD ENTITIES:
- ALUMINUM LIGHT POLE
- ALUMINUM POWER POLE
- BOLLARD/POST
- BOREHOLE LOCATION
- BOTTOM OF BANK
- CHAINLINK FENCE
- CLEANOUT
- CONCRETE INLET
- CONCRETE POWER POLE
- CONTOUR
- ELECTRICAL BOX
- EXISTING ELEVATION
- FIRE HYDRANT
- FOOTING
- GAS PIPELINE MARKER
- GAS METER
- GAS VALVE
- GRATE INLET
- GRATE INLET
- HOSE BIB
- HOSE INLET
- HOSE POLE
- MANHOLE COVER
- NATURAL GRADE
- POST STORM INLET
- POSTAL MAILBOX
- POWER POLE
- POWER POLE, DOWN GUY
- PROPERTY ROW LINE
- RTA PEDESTRIAN BENCH
- STATIONING & BASELINE
- STORM MANHOLE/CONC INLET
- STORM MANHOLE
- TELEPHONE MANHOLE
- TELEPHONE REFEESTAL
- TELE UNDERGROUND MARKER
- TOP OF BANK
- TRAFFIC SIGN
- TRAFFIC SIGNAL BOX
- TRAFFIC SIGNAL LIGHT
- WASTEWATER MANHOLE
- WATER METER
- WATER VALVE
- WOOD FENCE
- VEGETATION
- BUSH OR SHRUB
- TREE AND PALM
- VILLEA BOUGAINVILLEA
- BERRY CHINABERRY
- TALLOW CHRISSTHALLLOW
- WOOD COTTONWOOD
- BERRY HACKBERRY
- KUMQUAT
- MENTAL ORNAMENTAL
- AMORE SYCAMORE
- JVRE DATA: D=DELTA, R=RADIUS
- TANGENT, L=ARC LENGTH
- =CHORD DISTANCE

**ABBREVIATIONS:**

- ACP ASBESTOS CEMENT PIPE
- ALP AMERICAN ELECTRIC POWER
- AGMT AGREEMENT
- ARV AIR RELEASE VALVE
- ASPH ASPHALT
- AVE AVENUE
- B-B BACK TO BACK (CURB)
- BBNK BOTTOM OF BANK
- BDRY BOUNDARY
- BL BUILDING LINE
- BLK BLOCK
- BLVD BOULEVARD
- BM BENCHMARK
- BOC BACK OF CURB
- BOL BASELINE
- BY SI BY SEPARATE INSTRUMENT
- CATV CABLE TV
- OP CAST IRON PIPE
- CL CENTERLINE
- OMP CORRUGATED METAL PIPE
- CO CLEANOUT
- CONC CONCRETE
- COP CORRUGATED POLY PIPE
- CPL CENTRAL POWER LIGHT
- DE DRAINAGE EASEMENT
- DI DRILL HOLE
- DM DIAMETER
- DIP DUCTILE IRON PIPE
- DR DRIVE/DRIVEWAY
- DRNCT DREED RECORDS
- DSL NEJES COUNTY TEXAS
- EL ELEVATION
- ELEV ELEVATION
- EDA EDGE OF ASPHALT
- EOC EDGE OF CONCRETE
- EOP EDGE OF PAVEMENT
- EOR EDGE OF ROAD
- ESMT EASEMENT
- ESP EXTRA STRENGTH PIPE
- EX EXISTING
- EXIST EXISTING
- FD FOUND
- FE FENCE EASEMENT
- FF FINISHED FLOOR
- FL FIRE HYDRANT
- FL FLOWLINE
- FM FORCE MAIN
- FOC FIBER OPTIC CABLE
- GAS GAS LINE
- GB GASE BREAK
- GPW GAS PIPELINE MARKER
- GR GROUND/GRADE
- GV GAS VALVE
- HC BARRIER FREE RAMP (ADA)
- HDP HIGH DENSITY POLY PIPE
- HORZ HORIZONTAL
- HPG HIGH PRESSURE GAS
- INV INVERT
- IP IRON PIPE
- IR IRON ROD
- JOINT
- LINEAR FEET
- LT LINE
- MAX MAXIMUM
- MCD MULTI-CONDUCTOR DUCT
- MANHOLE
- MIN MINIMUM
- MJ MECHANICAL JOINT
- MON MONUMENT
- MAP MAP RECORDS
- NEJES NEJES COUNTY TEXAS
- NUMBER
- NO OVERHEAD ELECTRIC
- OHE OVERHEAD SECONDARY
- OSR OFFICIAL PUBLIC RECORDS
- NEJES NEJES COUNTY TEXAS
- PBM PROJECT BENCHMARK
- PC POINT OF CURVE
- PAGE
- PSI POUNDS SQUARE INCH
- PT POINT OF TANGENCY
- RCB REINFORCED CONCRETE BOX
- RCP REINFORCED CONCRETE PIPE
- REQ'D REQUIRED
- ROW RIGHT-OF-WAY
- RT RIGHT
- SCH SCHEDULE
- SF SQUARE FEET
- SR STEEL ROD
- ST STREET
- STATION/STATIONING
- STO STORM
- SWB SOUTHWESTERN BELL
- SWM STORM WATER MANHOLE
- TEMPORARY BENCHMARK
- TOP OF BANK
- TOP OF CURB
- TEMPORARY CONSTRUCTION ESMT
- TELE DUCT
- TELEPHONE CONSTRUCTION ESMT
- TELEPHONE PEDESTAL
- TSB TRAFFIC SIGNAL BOX
- TSL TRAFFIC SIGNAL LIGHT
- TSM TRAFFIC SIGNAL MAST
- TM TRAFFIC SIGN
- TUM TELE UNDERGROUND MARKER
- TYP TYPICAL
- UE UTILITY EASEMENT
- UG UNDERGROUND ELECTRIC
- UGL UNDERGROUND LINE
- UGR UNDERGROUND TELEPHONE
- UOT UNTRIPED GLAY PIPE
- VERT VERTICAL
- VG VALLEY GUTTER
- VOL VOLUME
- VERTICAL POINT INFLECTION
- WTR WATER
- WTR WATER VALVE
- WWMW WASTEWATER MANHOLE
- WATERWATER LINE
- MARK IN CONCRETE (MON)
- X YARD REQUIREMENT

**CONSTRUCTION NOTES:**

- GENERAL:**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO COMPLETE THE PROPOSED CONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE FOR SUCH PERMITS.
  - ALL CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH CITY OF CORPUS CHRISTI STANDARD DETAILS AND SPECIFICATIONS. ANY DEVIATION OF THESE PLANS AND SPECIFICATIONS FROM SUCH STANDARDS THAT WILL AFFECT THE CONTRACT PRICE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AT LEAST 10 DAYS PRIOR TO THE BID SUBMISSION DATE FOR REVIEW AND ACTION.
  - ALL WATER AND SEWER MAINS AND MANHOLES ARE TO BE LOCATED IN THE R.O.W. UNLESS OTHERWISE NOTED.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE CITY OF CORPUS CHRISTI DEPARTMENT OF DEVELOPMENT SERVICES TO OBTAIN ENGINEERING PERMITS, UTILITY TAP APPLICATIONS AND PAYING ALL APPLICABLE FEES PRIOR TO COMMENCING CONSTRUCTION.
  - RIGHT OF WAY PERMITS ARE REQUIRED PRIOR TO COMMENCING WORK WITHIN PUBLIC RIGHT OF WAY OR A CITY EASEMENT. THE CONTRACTOR SHALL CONTACT ENGINEERING SERVICES (TRAFFIC ENGINEERING) TO DETERMINE ALL APPLICABLE REQUIREMENTS (PERMITS, TRAFFIC CONTROL PLAN, FEE, ETC.). A 72 HOUR ADVANCE NOTICE IS REQUIRED FOR PUBLIC NOTIFICATION.
  - CONTRACTOR IS REQUIRED TO GIVE A 72 HOUR ADVANCE NOTIFICATION TO CITY'S CONSTRUCTION INSPECTION ACTIVITY PRIOR TO COMMENCING WORK. THE CONTACT NUMBER IS 361-826-1738.
- EXISTING UTILITIES & STRUCTURES:**
- THE UTILITIES SHOWN ON THESE PLANS WERE LOCATED BASED ON AS-BUILT CONSTRUCTION PLANS FROM THE CITY OF CORPUS CHRISTI AS WELL AS AN ON THE GROUND SURVEY PERFORMED BY TEXAS GEO-TECH. ALL INFORMATION SHOWN IS INTENDED TO AID THE CONTRACTOR IN ESTABLISHING THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES. ALL UTILITIES MAY NOT BE SHOWN OR ACCURATELY LOCATED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL THE LOCAL UTILITY COMPANIES OF THE PROPOSED CONSTRUCTION AND REQUEST EXACT LOCATIONS OF ALL AFFECTED UTILITIES PRIOR TO CONSTRUCTION.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL UTILITIES AND PRIVATE OR PUBLIC PROPERTY ON OR NEAR THE PROJECT FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES AND PRIVATE OR PUBLIC PROPERTY SHALL BE REMEDIATED AND PAID FOR IN WHOLE BY THE CONTRACTOR.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE OR OTHERWISE PROVIDE FOR THE ADJUSTMENT OR RELOCATION OF ANY UTILITIES AS REQUIRED TO COMPLETE THE PROPOSED CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES AS NECESSARY TO IMPLEMENT THE PROPOSED CONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE FOR ANY SUCH ADJUSTMENTS OR RELOCATIONS, FORESEEN OR UNFORESEEN.
  - CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION:  
 LONE STAR > 1-800-669-8344  
 SOUTHWESTERN BELL TELEPHONE > 1-800-395-0440  
 1-800-DIG-TEST  
 TEXAS EXCAVATION SAFETY SYSTEM 1-600-344-8377
- SAFETY:**
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF HIS EMPLOYEES AND THE PUBLIC DURING ALL PHASES OF THE CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS.
  - THE ENGINEER OR ENGINEER'S REPRESENTATIVE SHALL BE AT THE SITE SOLELY FOR THE PURPOSE OF PROVIDING SURVEY CONTROL FOR CONSTRUCTION. GENERAL OBSERVATION OF THE CONTRACTOR'S COMPLIANCE WITH THE DESIGN, PROGRESS REVIEW AND DESIGN PROBLEM RESOLUTION. THE ENGINEER SHALL NOT SUPERVISE THE CONSTRUCTION OR BE RESPONSIBLE FOR SAFETY PRECAUTIONS OR COMPLIANCE.
  - TRAFFIC CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.
- CONCRETE NOTES:**
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI-318 BUILDING CODE.
  - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
  - ALL REINFORCING STEEL MATERIAL TO BE A615-GRADE 60.
  - ALL REINFORCING STEEL PLACEMENT AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI-318 BUILDING CODE.
  - ALL BARS ARE TO BE SUPPORTED IN THE FORMS AND SLAB WITH CHAIRS AND TIED AT EVERY OTHER INTERSECTION.
  - ALL CONDUIT, GROUND WRES, DRAINS ETC., ARE TO BE IN PLACE PRIOR TO POURING CONCRETE.
  - ALL REINFORCING STEEL SHALL HAVE 3" MIN. CLEAR COVER UNLESS NOTED OTHERWISE.
  - VEHICLES SUCH AS READY MIX CONCRETE OR DUMP TRUCKS AND OTHER CONSTRUCTION EQUIPMENT SHALL NOT BE WASHED AT LOCATIONS WHERE THE RUNOFF WILL FLOW DIRECTLY INTO A WATERCOURSE OR STORM WATER CONVEYANCE SYSTEM. SPECIAL AREAS SHALL BE DESIGNATED FOR WASHING VEHICLES. THESE AREAS SHALL BE LOCATED WHERE THE RUNOFF CAN BE COLLECTED IN A TEMPORARY HOLDING BASIN.

**STORM SEWER:**

- ALL EXCAVATION FOR STORM SEWER CONSTRUCTION SHALL BE WITHIN THE LIMITS OF THE PLATED DRAINAGE EASEMENT OR PUBLIC RIGHT-OF-WAY. NO EXCAVATION SHALL BE ALLOWED BEYOND THE DRAINAGE EASEMENT, OR RIGHT OF WAY.
  - ALL STORM SEWER PIPE SHALL BE INSTALLED PER THE EMBEDMENT DETAIL AS SHOWN WITH SPECIAL ATTENTION TO THE CORRECT INSTALLATION OF THE EMBEDMENT PLUG.
  - ALL TRENCH BACKFILL SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY IN LIFTS NOT TO EXCEED 6 INCHES.
- PAVING:**
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO PROVIDE ADEQUATELY SIZED PVC SLEEVES UNDER THE STREETS TO SERVE EACH UTILITIES NEEDS WITHOUT ANY ROAD BORINGS OR CROSSINGS.
  - ALL SLOPES SHOWN FOR CURB AND GUTTER INDICATE A SMOOTH, STRAIGHT AND UNIFORM SLOPED STRUCTURE WITH NO LOW OR HIGH SPOTS BETWEEN EACH OF THE TOP OF CURB (TO) ELEVATIONS SHOWN WITH SLOPE AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN A MINIMUM SLOPE OF 0.3% ON ALL CURB AND GUTTER.
  - SIDEWALKS SHALL BE CONSTRUCTED WITH THE TOP LEVEL WITH FINISHED GRADES AS INDICATED FOR THE GROUND SURFACE ON THE PLANS. A 2.0% CROSS-SLOPE SHALL BE PROVIDED ON ALL SIDEWALKS TOWARD THE STREET.
  - PUBLIC PEDESTRIAN ACCESS ROUTES SHALL COMPLY WITH THE CURRENTLY ADOPTED VERSION OF THE TEXAS ACCESSIBILITY STANDARDS.

**GRADING AND EARTHWORK:**

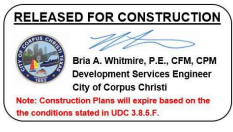
- ALL EXCESS EXCAVATED MATERIALS TO BE SPREAD IN AREA SHOWN ON GRADING PLAN OR POLLUTION PREVENTION PLAN. IF SUCH AREAS ARE NOT SHOWN IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE MATERIALS FROM THE JOB SITE.
- AREAS THAT RECEIVE MORE THAN 12" OF FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% OF THE STANDARD PROCTOR DENSITY PER ASTM D-698 AND A MOISTURE CONTENT WITHIN +3% TO -1% OF OPTIMUM. FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6" ON UNDISTURBED SOIL FREE OF DEBRIS AND ORGANIC MATERIALS. TEST REPORTS FOR COMPACTED FILL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

**WATER NOTES:**

- JOINT RESTRAINT - FIRE HYDRANTS & RELATED FITTINGS INCLUDING TEE IN MAIN, 90° EL, NIPPLES, VALVE & FIRE HYDRANT, SHALL HAVE FULLY RESTRAINED JOINTS. THE 90° EL FITTING AND CAP FITTING ON PROP. 6" MAIN SHALL BE FULLY RESTRAINED AT THE JOINT TO ADJACENT PIPE AND A MINIMUM OF 4 JOINTS OF PIPE (72 LF) SHALL BE RESTRAINED TOGETHER IN EACH DIRECTION FROM 90° EL AND IN ONE DIRECTION FROM CAP. RESTRAINING DEVICES SHALL BE MANUFACTURED BY EBAA IRON FOR PVC PIPE AND DUCTILE IRON FITTINGS.
- PROVIDE CAST IRON BOXES AND PVC PIPE EXTENSIONS WITH CONCRETE AT GATE VALVES PURSUANT TO DETAILS AS SHOWN.
- CONSTRUCT WATER SERVICE LINES AND CONNECTIONS PURSUANT TO THE NOTES AND DETAILS AS SHOWN.
- ALL WATER MAINS SHALL BE C900 & C905 DR18 PVC WITH DUCTILE IRON MECHANICAL JOINT FITTINGS AND SHALL BE BEDDED IN (ENCASED IN) SAND TO 6" ALL AROUND PIPE.
- PROVIDE MINIMUM CLEARANCE BETWEEN WATER AND SANITARY SEWER LINE AND/OR MANHOLES AS REQUIRED BY THE TEXAS ADMINISTRATIVE CODE 317-3, APPENDIX "E" SEPARATION DISTANCE (AS REQUIRED BY TEXAS STATE WATER HYGIENE LAW).
- ALL WATER SERVICE LINES SHALL BE 2" DIAMETER, UNLESS OTHERWISE NOTED ON THE PLANS.
- WATER SYSTEM MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF 30 TAC 290.

**WASTEWATER CONSTRUCTION NOTES:**

- SET ENDS OF SERVICE LINES MID LOT FRONTAGE UNLESS SHOWN OTHERWISE ON THE PLANS.
- ALL SANITARY SEWER MANHOLES SHALL BE FIBERGLASS, 48" MINIMUM DIAMETER 0.5" (MINIMUM) WALL AND CONSTRUCTED IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS.
- ALL GRAVITY SEWER PIPES 6" AND LARGER SHALL BE GREEN PVC, SDR 26 AND SHALL BE ACCORDANCE WITH ASTM D3034 AND THE BEDDED IN SAND WITH P1 LESS THAN 10, P2 BELOW AND 6" TO SIDES OF PIPE (FULL HEIGHT OF PIPE), IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS. BED 4" AND SMALLER PIPES IN EARTH FROM THE EXCAVATION.
- CONTRACTOR WILL PROVIDE TESTING SCHEDULES AND RESULTS TO ENGINEERING SERVICES/ CONSTRUCTION INSPECTION, WASTEWATER DEPARTMENT, AND DEVELOPMENT SERVICES/ SPECIAL SERVICES.
- WASTEWATER SYSTEM MATERIALS AND CONSTRUCTION SHALL MEET THE REQUIREMENTS OF 30 TAC 217.



**ITY STANDARD SPECIFICATIONS:**

STRUCT ALL IMPROVEMENTS ON THIS PROJECT IN ACCORDANCE WITH CITY OF A.S. CHRISTI, DEPARTMENT OF ENGINEERING SERVICES, STANDARD SPECIFICATIONS LISTED BELOW. THE WORD "ENGINEER" AS USED IN SAID CITY STANDARD SPECIFICATIONS SHALL REFER TO CITY ENGINEER. CONTRACTOR SHALL OBTAIN A COPY THESE SPECIFICATIONS PRIOR TO BIDDING THE PROJECT AND PRIOR TO CONSTRUCTION.

- 120 SITE CLEARING AND STRIPPING
- 140 SITE GRADING
- 220 EXCAVATION AND BACKFILL FOR UTILITIES AND SEWERS
- 322 TRENCH SAFETY FOR EXCAVATIONS
- 340 STREET EXCAVATION
- 380 EMBANKMENT
- 420 SILT FENCE
- 420 JACKING, BORING & TUNNELING
- 420 LINE STABILIZATION
- 220 FLEXIBLE BASE CALJOIE
- 220 ASPHALTS, OILS AND EMULSIONS
- 112 PRIME COAT
- 124 HOT MIX ASPHALTIC CONCRETE PAVEMENT
- 310 CONCRETE CURBS AND GUTTER
- 314 CONCRETE CURB RAMPS
- 314 TEMPORARY BRIDGES AND DRIVEWAYS
- 314 WATER LINE RISER ASSEMBLY
- 302 HYDROSTATIC TESTING OF PRESSURE SYSTEMS
- 306 DUCTILE IRON PIPE AND FITTINGS
- 104 PVC PIPE -M&A C-900 AND C-905
- 102 INSTALLATION OF WATER LINES
- 111 GATE VALVES FOR WATER LINES
- 102 FIRE HYDRANTS
- 102 MANHOLES
- 102 VACUUM TESTING OF SANITARY SEWER MANHOLES AND STRUCTURES
- 105 FIBERGLASS MANHOLES
- 102 REINFORCED CONCRETE PIPE CULVERTS
- 102 GRAVITY SANITARY SEWERS
- 102 SANITARY SERVICE LINES
- 220 PORTLAND CEMENT CONCRETE
- 220 REINFORCING STEEL
- 300 CONCRETE STEEL
- 120 FRAMES, GRATES, RINGS AND COVERS

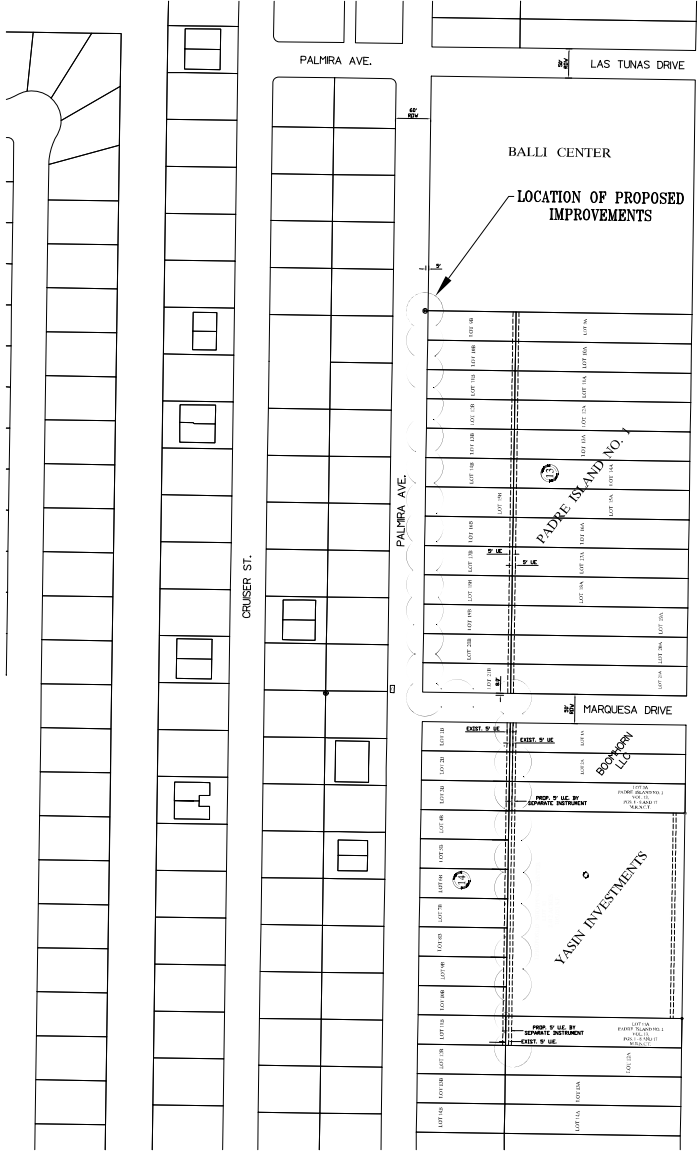
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 DATE: 220405  
 PAGE: 14

**GENERAL NOTES**

MBRIDA PLAZA SHOPPING CENTER  
 15521 SOUTH PADRE ISLAND DR.  
 LOT 10, BLOCK 14 - PADRE ISLAND No.1  
 Corpus Christi, Texas

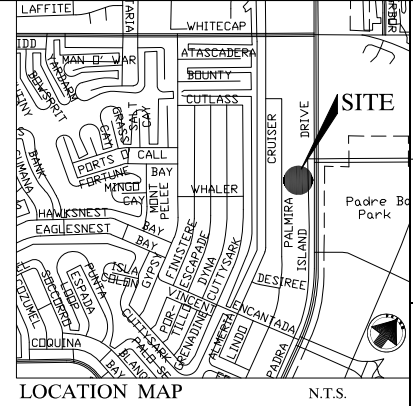
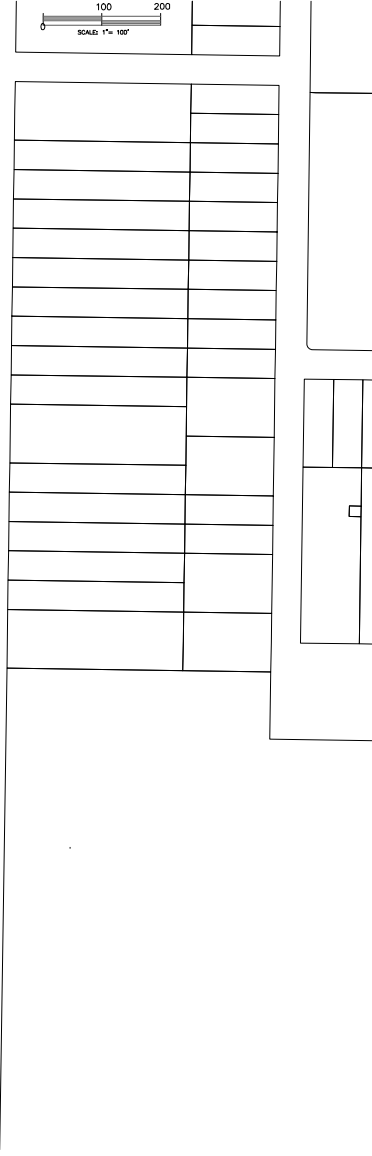
J. Perates Civil Engineering and Planning Services  
 TPE ERM (No. F-14207)  
 jperates@jperatescivilengineering.com  
 P.O. BOX 260547  
 Corpus Christi, Texas 78426  
 Tel: (361) 728-7188



SOUTH PADRE ISLAND DRIVE  
 PARK ROAD 223  
 200' RIGHT OF WAY



GRAPHIC SCALE  
 0 100 200  
 SCALE 1" = 100'



LOCATION MAP

N.T.S.

**RELEASED FOR CONSTRUCTION**

Bria A. Whitmire, P.E., CFM, CPM  
 Development Services Engineer  
 City of Corpus Christi

Note: Construction Plans will expire based on the conditions stated in UDC 3.8.5.F.

J. Perales Civil Engineering and Planning Services  
 JPERALES@jperalesengineering.com  
 P.O. BOX 260547  
 Corpus Christi, Texas 78426  
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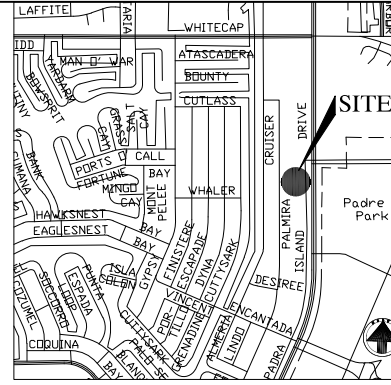
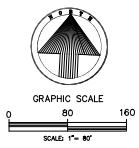
**SITE PLAN**

**MERIDA PLAZA SHOPPING CENTER**  
 15521 SOUTH PADRE ISLAND DR.  
 LOT 10, BLOCK 14 - PADRE ISLAND No.1  
 Corpus Christi, Texas

Juan P. Perales, P.E.  
 10/19/2023

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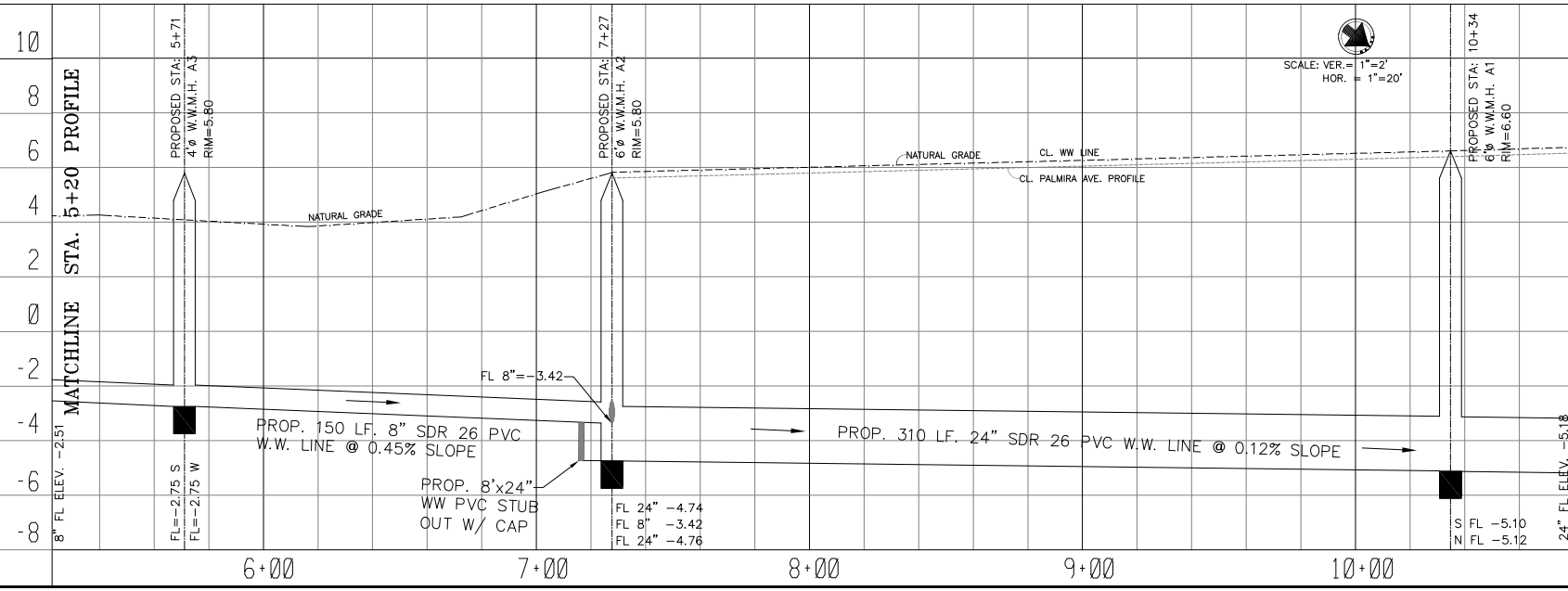
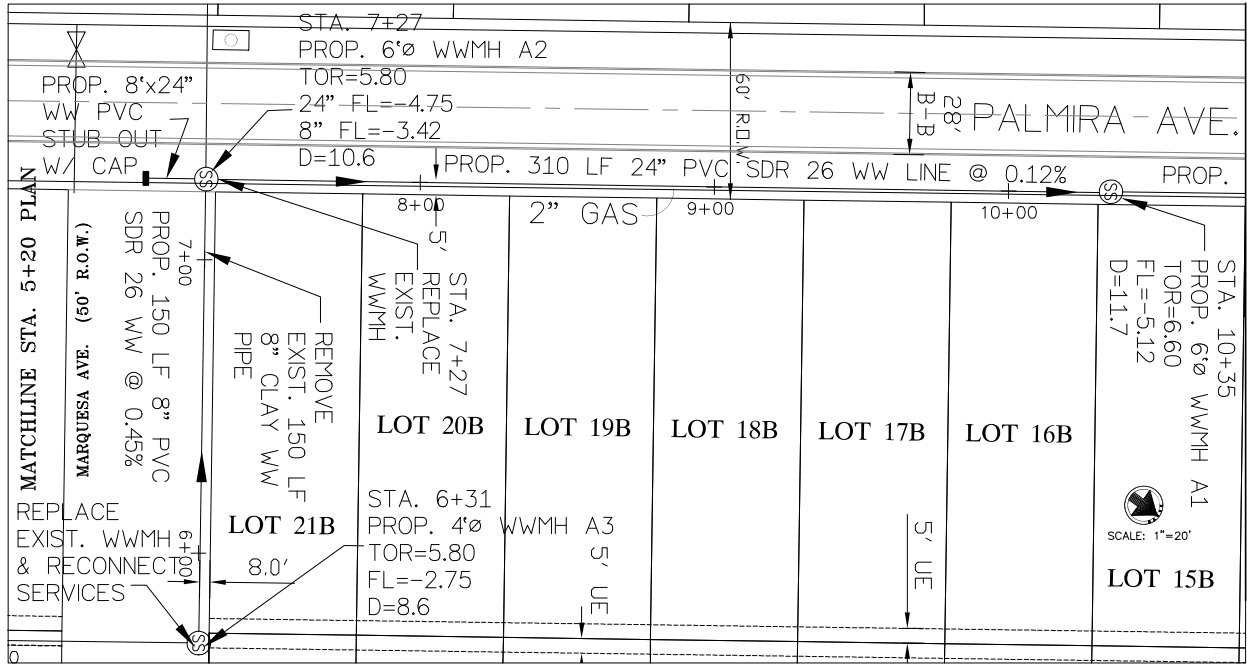
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SCHEMATIC LAYOUT FOR PROPOSED  
PUBLIC WASTEWATER IMPROVEMENTS  
MERIDA PLAZA SHOPPING CENTER  
15521 SOUTH PADRE ISLAND DR.  
LOT 10, BLOCK 14 - PADRE ISLAND No.1  
Corpus Christi, Texas

J. Perales Civil Engineering and  
Planning Services  
TBPE FIRM No. F-14207  
jperales@jperalesengineering.com  
P.O. BOX 260547  
Corpus Christi, Texas 78426  
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**J. Perales Civil Engineering and Planning Services**  
 TYPE FIRM No. F-14207  
 jperales@jperalescivil.com  
 P.O. BOX 260547  
 Corpus Christi, Texas 78426  
 Tel: (361) 728-7188

**WASTEWATER PLAN & PROFILE**  
**MERIDA PLAZA SHOPPING CENTER**  
 15521 SOUTH PADRE ISLAND DR.  
 LOT 10, BLOCK 14 - PADRE ISLAND No.1  
 Corpus Christi, Texas

APPROVED BY: JP  
 DATE: 01-19-23  
 DRAWING #: 220405  
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 DF: 14

RELEASED FOR CONSTRUCTION  
 Bria A. Whitmire, P.E., CFM, CPM  
 Development Services Engineer  
 City of Corpus Christi  
 Note: Construction Plans will expire based on the conditions stated in UDC 3.8.6.F.

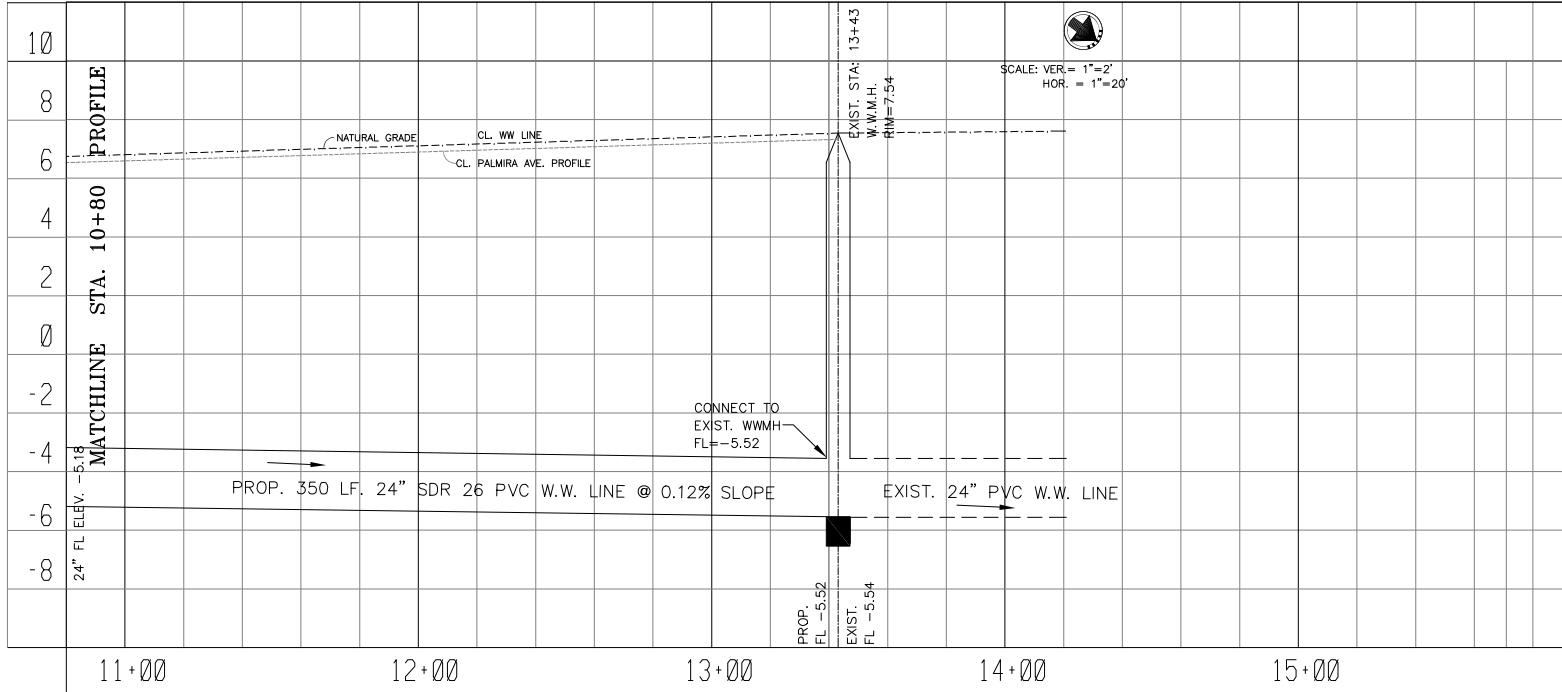
SEALED & CERTIFIED  
 J. PERALES CIVIL ENGINEERING & PLANNING SERVICES  
 10/19/2023

**RELEASED FOR CONSTRUCTION**

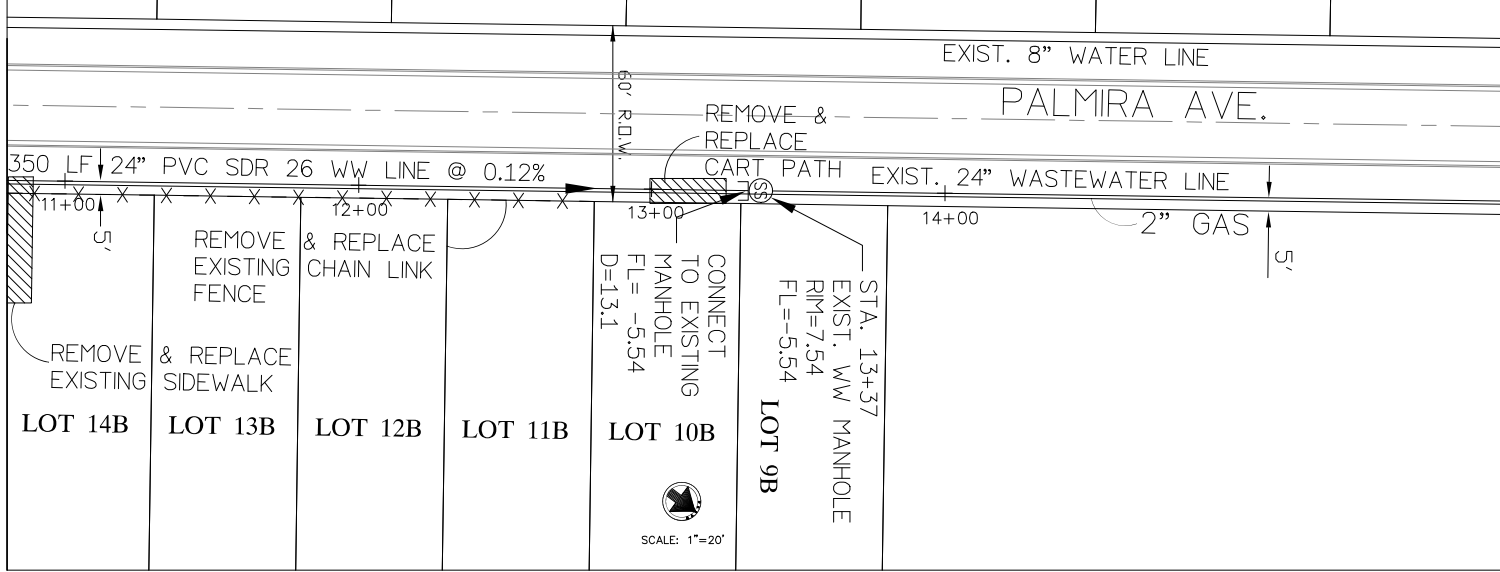


Brita A. Whitmire, P.E., CFM, CPM  
Development Services Engineer  
City of Corpus Christi

Note: Construction Plans will expire based on the conditions stated in UDC 3.8.6.F.



MATCHLINE STA. 10+80  
PLAN



**J. Perales Civil Engineering and Planning Services**  
TBPE FIRMING F-14207  
jperales@peralesengineering.com  
P.O. BOX 260647  
Corpus Christi, Texas 78426  
Tel: (361) 728-7188

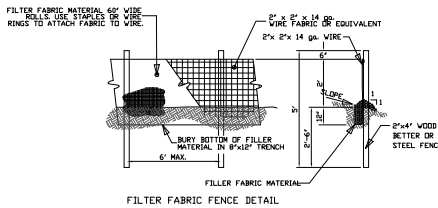
**WASTEWATER PLAN & PROFILE**  
MÉRIDA PLAZA SHOPPING CENTER  
15521 SOUTH PADRE ISLAND DR.  
LOT 10, BLOCK 14 - PADRE ISLAND No.1  
Corpus Christi, Texas



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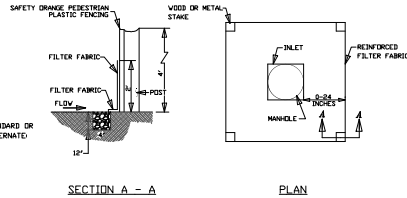
FILTER FABRIC FENCE DETAIL

**STANDARD NOTES:**

- THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.
- THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND MINIMUM OF 20 INCHES.
- A TRENCH SHALL BE EXCAVATED, ROUGHLY 3 INCHES WIDE AND 12 INCHES DEEP, UPSLOPE AND ADJACENT TO THE WOOD POST TO ALLOW THE FILTER FABRIC TO BE BURIED.
- WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, THE WIRES OR HDG RINGS, THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 26 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF STANDARD NOTE "E", APPLYING.
- THE TRENCH SHALL BE BACK FILLED AND HAND TAMPED.
- FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

FILTER FABRIC FENCE DETAIL

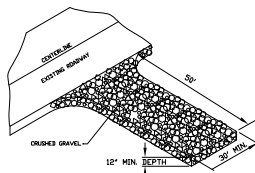
NOT TO SCALE



SECTION A - A PLAN

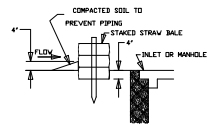
**INLET & MANHOLE PROTECTION BARRIER**

NOT TO SCALE

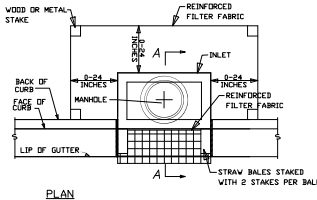


**TEMPORARY STABILIZED CONSTRUCTION ROAD ENTRANCE / EXIT DETAIL**

NOT TO SCALE

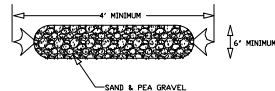


SECTION A - A



**CURB INLET INLET PROTECTION BARRIER**

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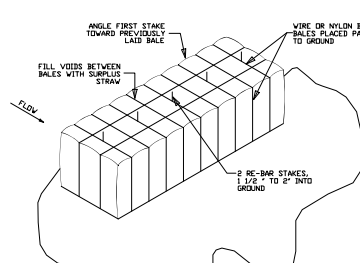
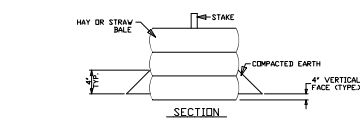


**SNAKE BAG INLET PROTECTION**

NOT TO SCALE

**GENERAL NOTES:**

- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. PLACE BALES WITH BINDING PARALLEL TO GROUND SURFACE.
- BALES SHALL BE APPROVED BY THE EPA IN ORANGE COLOR WITH HIGH UV RESISTANT.
- FILL HOLES WITH A 750 GRAIN HDG OR GRAVEL TO INSURE THE BEST WATER FILTRATION.
- INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY BY CONTRACTOR, AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES.



**HAY BALES BARRIER FENCE**

NOT TO SCALE

- GENERAL NOTES:**
- BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. FILL THE VOIDS BETWEEN BALES WITH SURPLUS STRAW. PLACE BALES WITH BINDING PARALLEL TO GROUND SURFACE.
  - WHERE POSSIBLE EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES.
  - BALES SHALL BE SECURELY ANCHORED IN PLACE BY 3/8-INCH REBAR STAKES DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUS BALE TO FORCE THE BALES TOGETHER.
  - BALES SHALL BE BOUND BY EITHER WIRE OR NYLON ROPE TIE ACROSS THE HAY BALES.
  - INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY BY CONTRACTOR, AS NEEDED.
  - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.
  - ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES.

**TOPSOILING**

WHEN TOPSOILING, THE CONTRACTOR SHALL MAINTAIN EROSION AND SEDIMENTATION CONTROL SYSTEMS, SUCH AS DIKES, SWALES, GRADE STABILIZATION STRUCTURES, WATERWAYS, AND SEDIMENT BASINS OPERATIONAL.

**PROTECTION OF TREES:**

THE CONTRACTOR SHALL PROTECT TREES DESIGNATED TO REMAIN IN CONSTRUCTION AREAS. HEAVY EQUIPMENT, VEHICULAR TRAFFIC, AND STOCKPILES OF CONSTRUCTION MATERIALS, INCLUDING TOPSOIL, ARE NOT PERMITTED WITHIN THE 30P LINE OF ANY TREE TO BE RETAINED. TREE TRUNKS, EXPOSED ROOTS, AND LIMBS OF TREES DESIGNATED TO BE RETAINED WHICH ARE DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE OMAED FOR BY A LICENSED TREE EXPERT. SPECIMEN TREES SHALL BE BOKED OR FENCED.

**DUST CONTROL:**

THE CONTRACTOR SHALL CONTROL DUST BLOWING AND MOVEMENT ON CONSTRUCTION SITES AND READS TO PREVENT LOSS OF SOIL SURFACE, TO REDUCE ONSITE AND OFFSITE DAMAGE, TO PREVENT HEALTH HAZARDS, AND TO IMPROVE TRAFFIC SAFETY.

THE CONTRACTOR SHALL CONTROL DUST BLOWING BY UTILIZING ONE OR MORE OF THE FOLLOWING METHODS: DUST CONTROL METHODS SHALL BE IMPLEMENTED IMMEDIATELY WHENEVER DUST CAN BE OBSERVED BLOWING ON THE PROJECT SITE.

- MULCHES BOUND WITH CHEMICAL BINDERS SUCH AS CORASOL, TERRATACK, OR APPROVED EQUAL.
- TEMPORARY VEGETATIVE COVER.
- SPRAY-ON ADHESIVES ON MINERAL SOILS WHEN NOT USED BY TRAFFIC.
- IRRIGATION BY WATER SPRINKLING.
- BARRIERS USING SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, OR SIMILAR MATERIALS.

**WASHING AREAS:**

VEHICLES SUCH AS READY MIX CONCRETE OR BUMP TRUCKS AND OTHER CONSTRUCTION EQUIPMENT SHALL NOT BE WASHED AT LOCATIONS WHERE THE RUNOFF WILL FLOW DIRECTLY INTO A WATERCOURSE OR STORM WATER CONVEYANCE SYSTEM. SPECIAL AREAS SHALL BE DESIGNATED FOR WASHING VEHICLES. THESE AREAS SHALL BE LOCATED WHERE THE WATER WILL SPREAD OUT AND EVAPORATE OR INFILTRATE DIRECTLY INTO THE GROUND, OR WHERE THE RUNOFF CAN BE COLLECTED IN A TEMPORARY HOLDING OR SEEPAGE BASIN. WASH AREAS SHALL HAVE GRAVEL OR CRUSHED STONE BASES.

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASHOUT ON SITE UNLESS A CONTAINMENT IS PROVIDED AND THAT CONCRETE WASH WATERS AND LEACHATES MAY NOT BE ALLOWED TO ENTER THE MUNICIPAL SEWER SYSTEM OR STORM SEWER SYSTEM, CITY STREETS, THE WATERS OF THE UNITED STATES, OR GROUND WATERS.

**EQUIPMENT MAINTENANCE AND REPAIR:**

THE CONTRACTOR'S MAINTENANCE AND REPAIR OF CONSTRUCTION MACHINERY AND EQUIPMENT SHALL BE CONFINED TO AREAS SPECIFICALLY DESIGNATED FOR THIS PURPOSE. SUCH DESIGNATED AREAS SHOULD BE LOCATED AND DESIGNED SO THAT OILS, GASOLINE, GREASE, SOLVENTS, AND OTHER POTENTIAL POLLUTANTS CANNOT BE WASHED DIRECTLY INTO RECEIVING STREAMS OR STORM WATER CONVEYANCE SYSTEMS. THE CONTRACTOR SHALL PROVIDE THESE AREAS WITH ADEQUATE WASTE DISPOSAL RECEPTACLES FOR LIQUID AS WELL AS SOLID WASTE. MAINTENANCE AREAS SHOULD BE INSPECTED AND CLEANED DAILY.

ON A CONSTRUCTION SITE WHERE DESIGNATED EQUIPMENT MAINTENANCE AREAS ARE NOT FEASIBLE, THE CONTRACTOR SHALL TAKE CARE DURING EACH INDIVIDUAL REPAIR OR MAINTENANCE OPERATION TO PREVENT POTENTIAL POLLUTANTS FROM BEING AVAILABLE TO BE WASHED INTO STREAMS OR STORM SEWER CONVEYANCE SYSTEMS. TEMPORARY WASTE DISPOSAL RECEPTACLES SHALL BE PROVIDED BY THE CONTRACTOR AS NECESSARY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING ALL ONSITE VEHICLES AND EQUIPMENT FOR LEAKS AND PERFORM REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.

**WASTE COLLECTION AND DISPOSAL:**

THE CONTRACTOR SHALL FORMULATE A PLAN FOR THE COLLECTION AND DISPOSAL OF WASTE MATERIALS ON THE CONSTRUCTION SITE. THIS PLAN SHALL DESIGNATE LOCATIONS FOR TRASH AND WASTE RECEPTACLES AND ESTABLISH A SPECIAL COLLECTION SCHEDULE. METHODS FOR ULTIMATE DISPOSAL OF WASTE SHALL BE SPECIFIED AND CARRIED OUT IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL HEALTH AND SAFETY REGULATIONS. SPECIAL PROVISIONS SHALL BE MADE FOR THE COLLECTION AND DISPOSAL OF LIQUID WASTES AND TOXIC OR HAZARDOUS MATERIALS.

THE CONTRACTOR SHALL KEEP RECEPTACLES AND OTHER WASTE COLLECTION AREAS NEAT AND ORDERLY TO THE EXTENT POSSIBLE. WASTE SHALL NOT BE ALLOWED TO OVERFLOW ITS CONTAINER OR ACCUMULATE FOR EXCESSIVELY LONG PERIODS OF TIME. TRASH COLLECTION POINTS SHALL BE LOCATED WHERE THEY WILL LEAST LIKELY BE AFFECTED BY CONCENTRATED STORM WATER RUNOFF.

**STORAGE OF CONSTRUCTION MATERIALS, CHEMICALS, ETC.:**

SITES WHERE CHEMICALS, CEMENTS, SOLVENTS, PAINTS OR OTHER POTENTIAL WATER POLLUTANTS ARE TO BE STORED SHALL BE ISOLATED BY THE CONTRACTOR IN AREAS WHERE THEY WILL NOT CAUSE DISPERSED POLLUTION.

FERTILIZERS USED SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. FERTILIZER SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALED PLASTIC BIN TO AVOID SPILLS.

TOXIC AND/OR OTHER HAZARDOUS CHEMICALS AND MATERIALS, SUCH AS PESTICIDES, PAINTS, AND ACIDS SHALL BE STORED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES. THE CONTRACTOR SHALL PROTECT GROUNDWATER RESOURCES FROM LEACHING BY PLACING A PLASTIC WALL PACKED CLAY, THE PAINTS, OR OTHER IMPEROUS MATERIALS ON ANY AREAS WHERE TOXIC AND/OR HAZARDOUS LIQUIDS ARE TO BE OPENED AND STORED.

SPILLS OF TOXIC AND/OR HAZARDOUS SUBSTANCES ARE TO BE CLEANED AND TREATED IMMEDIATELY AFTER DISCOVERY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND CONTRACTOR'S PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

THE CONTRACTOR SHALL KEEP MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP IN THE MATERIALS STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS SHALL INCLUDE BUT IS NOT LIMITED TO BROOMS, DUST PANS, ROPS, RAGS, GLOVES, SHOES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

**DEMOLITION:**

DEMOLITION OF EXISTING IMPROVEMENTS MAY GENERATE DUST WITH SIGNIFICANT CONCENTRATIONS OF HEAVY METALS AND/OR OTHER TOXIC POLLUTANTS. THE CONTRACTOR SHALL EMPLOY DUST CONTROL TECHNIQUES TO LIMIT THE TRANSPORT OF AIRBORNE POLLUTANTS. HOWEVER, WATER OR SLURRY USED TO CONTROL DUST SHALL BE RETAINED ON THE SITE AND NOT BE ALLOWED TO RUN DIRECTLY INTO WATERCOURSES OR STORM WATER CONVEYANCE SYSTEMS.

**SANITARY FACILITIES:**

THE CONTRACTOR SHALL PROVIDE THE CONSTRUCTION SITE WITH ADEQUATE SANITARY FACILITIES FOR WORKERS IN ACCORDANCE WITH APPLICABLE HEALTH REGULATIONS.

**PESTICIDES:**

PESTICIDES USED DURING CONSTRUCTION SHALL BE STORED AND USED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINE AND WITH LOCAL, STATE AND FEDERAL REGULATIONS. EXCESSIVE SHALL BE AVOIDED AND GREAT CARE SHALL BE TAKEN TO PREVENT ACCIDENTAL SPILLAGE. PESTICIDE CONTAINERS SHALL NEVER BE WASHED IN OR NEAR FLOWING STREAMS OR STORM WATER CONVEYANCE SYSTEMS.

**FILTER FABRIC SPECIFICATIONS:**

THE FILTER FABRIC SHOWN IN THE VARIOUS DETAILS AND SPECIFICATIONS SHALL MEET THE FOLLOWING SPECIFICATIONS:

- GRID STRENGTH SHALL BE 100 POUNDS MINIMUM IN ANY PRINCIPAL DIRECTION WHEN TESTED IN ACCORDANCE WITH ASTM TEST PROCEDURE D-1680.
- MINIMUM BURST STRENGTH SHALL BE 260 PSI MINIMUM WHEN TESTED IN ACCORDANCE WITH ASTM TEST PROCEDURE D-3786.
- EQUIVALENT STANDARD SIEVE OPENING SIZE SHALL BE BETWEEN 80 AND 140.
- WATER FLOW RATE SHALL BE A MINIMUM OF 10 GAL/200 SQ. FEET AT 50 IN CONSTANT HEAD AS DETERMINED BY MULTIPLYING PERMITIVITY IN 1/SEC AS DETERMINED BY ASTM TEST PROCEDURE D-4493.

THE FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS AS NECESSARY TO PROVIDE AND EXPECTED USEABLE LIFE COMPARABLE TO THE ANTICIPATED DURATION OF CONSTRUCTION.

**RELEASED FOR CONSTRUCTION**

Bria A. Whitmore, P.E., CFM, CFM Development Services Engineer City of Corpus Christi

Note: Construction Plans will expire based on the conditions stated in UDC 3.8.5.F.

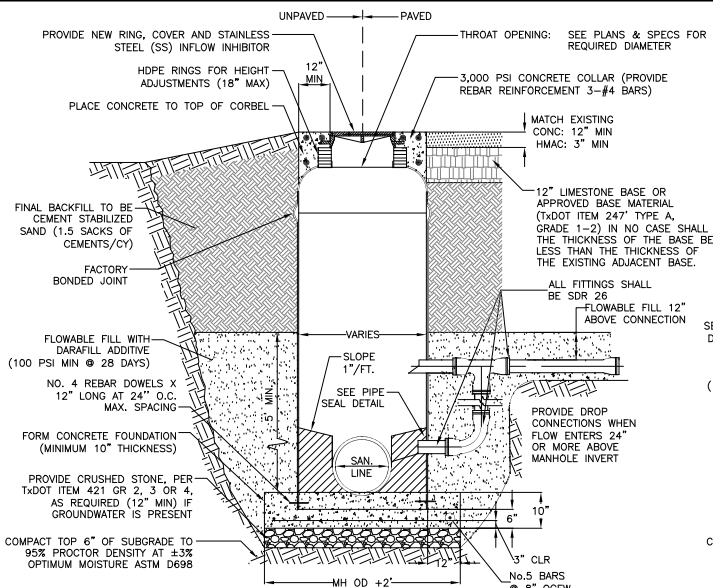
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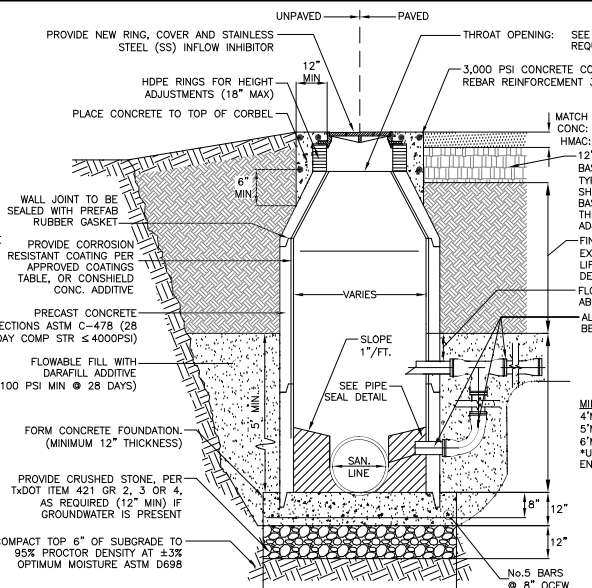
**POLLUTION PREVENTION DETAILS**

**MERIDA PLAZA SHOPPING CENTER**  
**15521 SOUTH PADRE ISLAND DR.**  
**LOT 10, BLOCK 14 - PADRE ISLAND No.1**  
 Corpus Christi, Texas

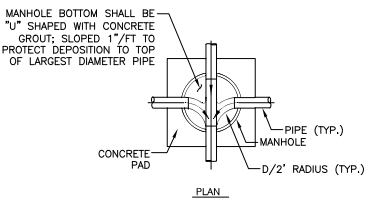
**J. Peralta Civil Engineering and Planning Services**  
 TBE FIRM No. E-14207  
 jperalta@jperaltacivilengineering.com  
 P.O. BOX 260547  
 Corpus Christi, Texas 78426  
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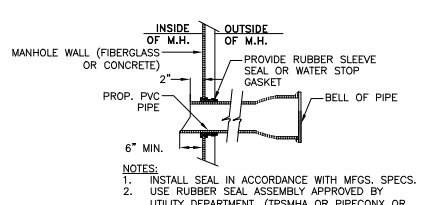
**FIBERGLASS MANHOLE**  
NOT TO SCALE



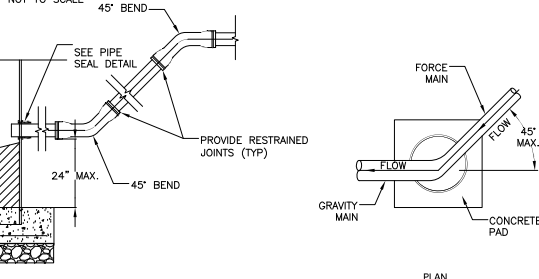
**CONCRETE MANHOLE**  
NOT TO SCALE



**WASTEWATER MANHOLE (BOTTOM)**  
NOT TO SCALE



**PIPE SEAL DETAIL**  
NOT TO SCALE



**FORCE MAIN DISCHARGE MANHOLE DETAIL**  
NOT TO SCALE

**GENERAL WASTEWATER CONSTRUCTION NOTES:**

1. 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.
2. THE CONTRACTOR SHALL ADHERE TO ALL TCEQ REGULATIONS PER 30 TAC CHAPTER 217 AND TRENCH SAFETY FOR EXCAVATIONS.
3. 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. IF PROVIDED OR REQUIRED, FIBERGLASS BOTTOM SHALL BE DESIGNED TO WITHSTAND HYDROSTATIC HEAD PRESSURE UNDER ALL CONDITIONS.
5. THE MANHOLE WALL PENETRATIONS FOR PIPE (8"-16" DIAMETER PIPE) ABOVE THE FLOWLINE OF THE MANHOLE SHALL BE CORED AND SEALED WITH APPROVED SEAL GASKET WATER STOP ASSEMBLY.
6. FOR FIBERGLASS MANHOLES, THE MANHOLE FOUNDATION MAY BE PRECAST ON GROUND SURFACE. (PROCEDURE MUST BE SUBMITTED TO THE ENGINEERING SERVICES CONSTRUCTION ENGINEER FOR APPROVAL.)
7. THE CONTRACTOR SHALL PROVIDE PROTECTIVE COATING ON ALL EXPOSED CONCRETE SURFACES, INCLUDING CORBEL AREA, MANHOLE WALLS AND MANHOLE BENCH.
8. FOR FIBERGLASS MANHOLES WITH WATERTIGHT BOTTOM, ADHERE TO ALL MANUFACTURER REQUIREMENTS. FIBERGLASS BOTTOM AND BENCH MUST ALSO BE FACTORY INSTALLED.

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

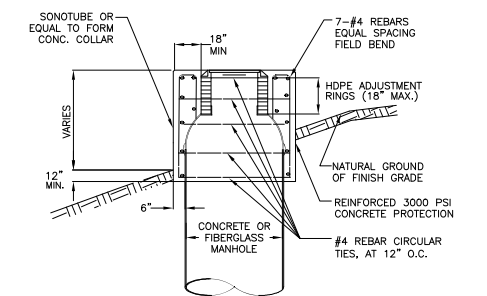
NOTE: COAT ALL CONCRETE SURFACES INCLUDING BENCH & WALLS.

**RELEASED FOR CONSTRUCTION**

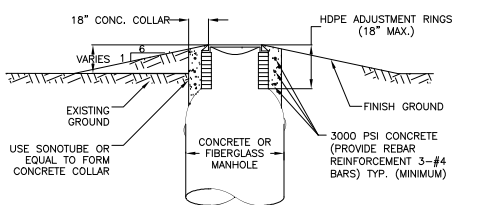
Bria A. Whitmore, P.E., CFM, CPM  
Development Services Engineer  
City of Corpus Christi

Note: Construction Plans will expire based on the conditions stated in UDC 3.8.5.F.

THE CONSTRUCTION DETAILS SHOWN HEREON ARE STANDARD CONSTRUCTION DETAILS DEVELOPED BY AND FOR THE CITY OF CORPUS CHRISTI, TEXAS. THESE DETAILS ARE TO BE USED IN CONJUNCTION WITH THE SPECIFICATIONS AND BY THIS SEAL AND SIGNATURE ARE INCORPORATED INTO THE ATTACHED PLAN SET IN THEIR ENTIRETY WITHOUT CHANGE OR EDIT.



**MANHOLE PROTECTION IN UNPAVED AREAS (CULTIVATED/SPECIAL)**  
NOT TO SCALE



**MANHOLE PROTECTION IN UNPAVED AREAS (RESIDENTIAL)**  
NOT TO SCALE

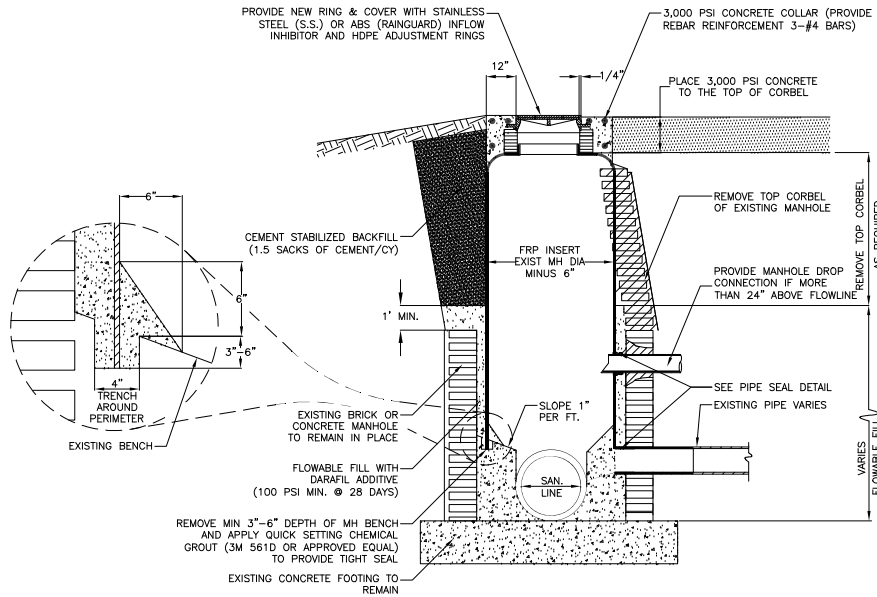


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Corpus Christi, Texas 78426  
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**CITY OF CORPUS CHRISTI TEXAS**  
Department of Engineering Services

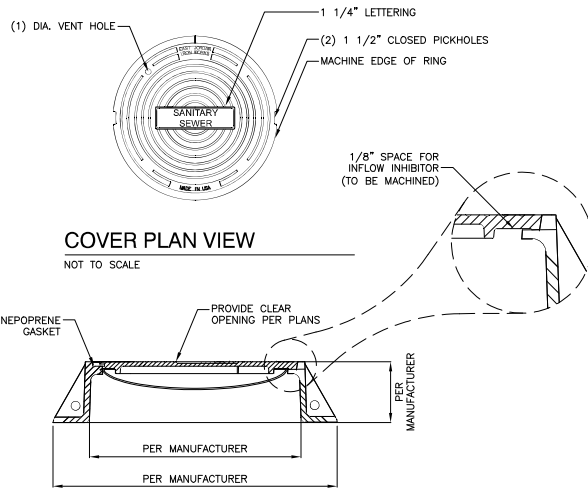
**PHASE 4 COTTAGES BY THE BAY CORPUS CHRISTI, TEXAS**  
WASTEWATER STANDARD DETAILS  
MANHOLE INSTALLATION

CITY OF CORPUS CHRISTI  
CORPUS CHRISTI, TEXAS  
WASTEWATER STANDARD DETAILS  
MANHOLE INSTALLATION



**FRP INSERT REHABILITATION OF EXISTING MANHOLE**

NOT TO SCALE

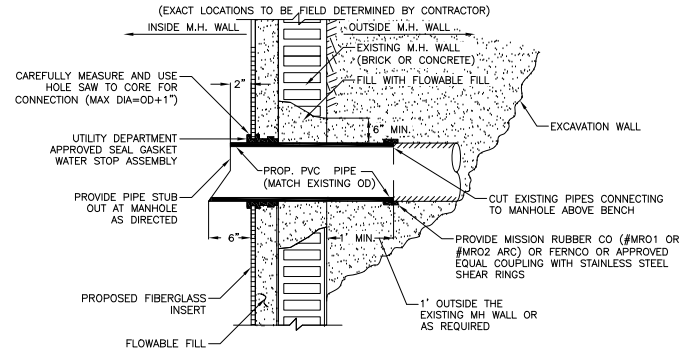


**SECTION OF RING & COVER**

NOT TO SCALE

**FRP INSERT REHABILITATION OF EXISTING MANHOLE NOTES:**

1. THE CONTRACTOR SHALL FIELD-VERIFY THE EXISTING MANHOLE DIAMETER, FLOW LINE, RIM ELEVATION, NUMBER OF LATERALS, LOCATIONS, SIZES, AND OTHER INFORMATION NEEDED TO REHABILITATE EACH MANHOLE.
2. PRIOR TO INSTALLING CONTROL OF FLOW OR INITIATING MANHOLE REPAIRS, THE CONTRACTOR SHALL PLACE BARRICADES AND SIGNS TO DIVERT TRAFFIC AND PEDESTRIANS PER THE APPROVED TRAFFIC CONTROL PLAN, AS REQUIRED.
3. THE CONTRACTOR SHALL PREPARE THE INTERIOR OF THE EXISTING FOUNDATION STRUCTURE BY REMOVING ALL DEFECTIVE GROUT AND DEBRIS/BLOCKAGES, MECHANICALLY ROUGHEN THE ENTIRE INVERT, AND CLEAN THE INTERIOR WITH A HIGH-PRESSURE WATER JET.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF THE RESULTING SLUDGE AND DEBRIS AT AN APPROVED SITE, ACCORDING TO ALL PERTINENT WASTE DISPOSAL REGULATIONS.
5. THE CONTRACTOR SHALL USE QUICK-SETTING, NON-SHRINK CONCRETE GROUT TO SEAL AND RESHAPE THE BOTTOM. SUBMIT PROPOSED MATERIALS TO BE USED TO THE ENGINEER FOR APPROVAL.
6. PROVIDE COATING TO EXPOSED CONCRETE SURFACES WITH APPROVED SYSTEM TO PREVENT CORROSION.
7. FRP INSERT SHALL COMPLY WITH ASTM D3753 WITH SINGLE PIECE MONOLITHIC BARREL AND CORBEL CONSTRUCTION WITHOUT SEAMS, JOINTS OR SECTIONS. WALL THICKNESS SHALL PROVIDE AN AASHTO H-20 LOAD RATING AND WALL STIFFNESS OF 36 PSI MIN.
8. CUT BOTTOM OF FRP INSERT TO FIT EVENLY ON BENCHES OR CHIP BENCHES OUT TO EVENLY SUPPORT INSERT.
9. SEAL ANNULAR SPACE AROUND EXIST LINES WITH JUTE ROPE AND CHEMICAL GROUT.



**FRP INSERT PIPE SEAL DETAIL**

NOT TO SCALE

**ROADWAY MANHOLE RING AND COVER:**

1. THE CONTRACTOR SHALL PROVIDE STAINLESS STEEL (S.S.) INFLOW INHIBITOR WITH SS TETHER SECURED TO MANHOLE WALL, SUCH THAT THE INNER LID IS FLUSH WITH THE OUTER LID.
2. TRAFFIC SHALL BE RESTRICTED FROM MANHOLE FOR 48 HOURS AFTER THE PLACEMENT OF CONCRETE, AND COLLAR SHALL PROVIDE A SUFFICIENT, CLEAR OPENING TO ACCOMMODATE THE SPECIFIED MANHOLE COVER.
3. AASHTO-M-306 (LATEST REVISION) PROOF LOAD TESTING IS REQUIRED (40,000 LBS) AND MUST BE INSPECTED. PRIOR TO INSTALLATION, THE RESULTS OF THE TEST SHALL BE SUBMITTED TO THE CITY.
4. THE MANUFACTURING FACILITIES FOR ALL PROVIDED RING AND COVER ASSEMBLIES SHALL MEET OR EXCEED ALL EPA ENVIRONMENTAL STANDARDS AND OSHA SAFETY STANDARDS. THE CASTINGS SHALL BE MANUFACTURED FROM RECYCLED MATERIALS. THE CONTRACTOR SHALL PROVIDE CERTIFICATION.

CLEAR OPENING	MANUFACTURER (1)	MODEL NUMBER*	INFLOW INHIBITOR
24"	EAST JORDAN IRON WORKS	V-1168	REQUIRED ON ALL INSTALLATIONS PER CITY SPECIFICATIONS
	U.S. FOUNDRY	COVER- #8018538 FRAME- #8022247	
	NEENAH FOUNDRY	R-1930-24	
30" (2)	EAST JORDAN IRON WORKS	COVER- V1430 FRAME- V1420	
	U.S. FOUNDRY	COVER- #9210048 FRAME- #8021361	
	NEENAH FOUNDRY	DF-1274	

- (1) OR APPROVED EQUAL (MADE IN THE USA)
- (2) UNLESS NOTED IN THE PLANS, ALL COVERS SHALL BE 24" DIAMETER AND NOT INTENDED FOR MANNED ENTRY.

**RING & COVER APPROVED LIST**

THE CONSTRUCTION DETAILS SHOWN HEREON ARE THE PROPERTY OF J. PERALES CIVIL ENGINEERING AND ARCHITECTURE, P.C. AND ADAPTED BY THE CITY OF CORPUS CHRISTI, AND BY THIS SEAL AND SIGNATURE ARE INCORPORATED INTO THE ATTACHED PLAN SET IN THEIR ENTIRETY WITHOUT CHANGE OR EDIT.

CONSULTANT'S SHEET NO.



**J. Perales Civil Engineering and Planning Services**  
 TBBE FIRM No. F-14207  
 P.O. BOX 260547  
 Corpus Christi, Texas 78426  
 Tel: (361) 728-7188

**CITY OF CORPUS CHRISTI, TEXAS**  
 Department of Engineering Services

**PHASE 4  
 COTTAGES BY THE BAY  
 CORPUS CHRISTI, TEXAS**  
 CITY OF CORPUS CHRISTI  
 WASTEWATER STANDARD DETAILS  
 REHABILITATION OF EXISTING MANHOLE & MANHOLE RING AND COVER DETAILS

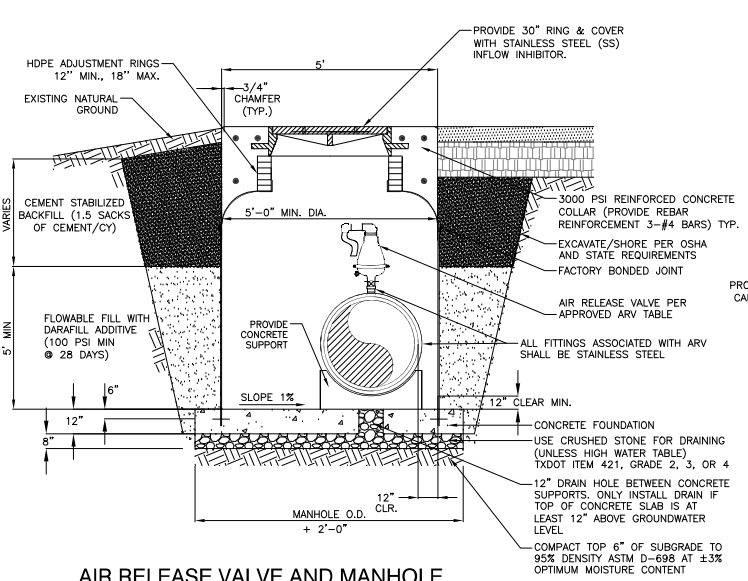
SHEET 12 of 14  
 RECORD DRAWING NO.

CITY PROJECT #

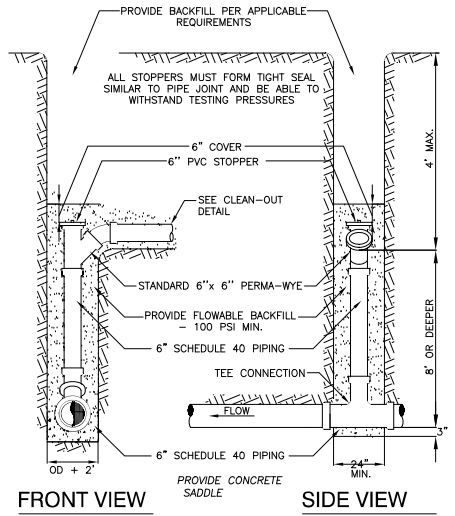
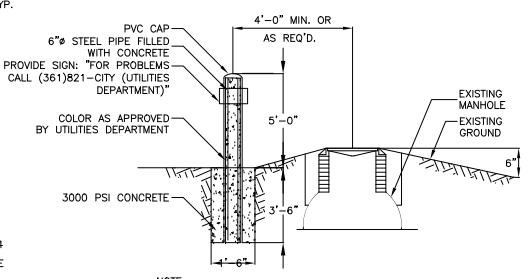
**RELEASED FOR CONSTRUCTION**

Bris A. Whitmire, P.E., CFM, CPM  
 Development Services Engineer  
 City of Corpus Christi

Note: Construction Plans will expire based on the conditions stated in UDC 3.8.6.F.



APPROVED ARVs		
MANUFACTURER	MODEL NAME	MATERIAL
A.R.I.	D-025 OR D-025 SHORT	316 SS
H-TEC	MODEL 986 (SS) AND 988	
VENT OMAT	MODEL RGXII (ST. STEEL)	
VALMATIC	VM 48AS OR VM 49AS	



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CONSULTANT'S SHEET NO.



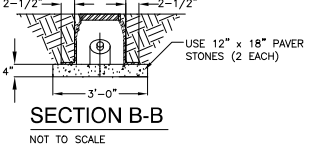
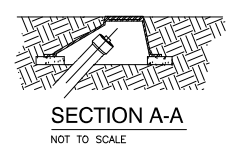
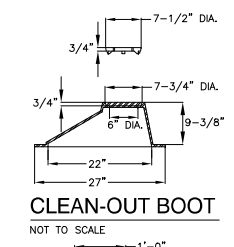
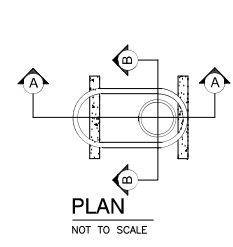
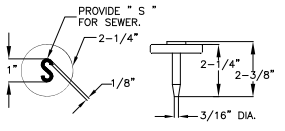
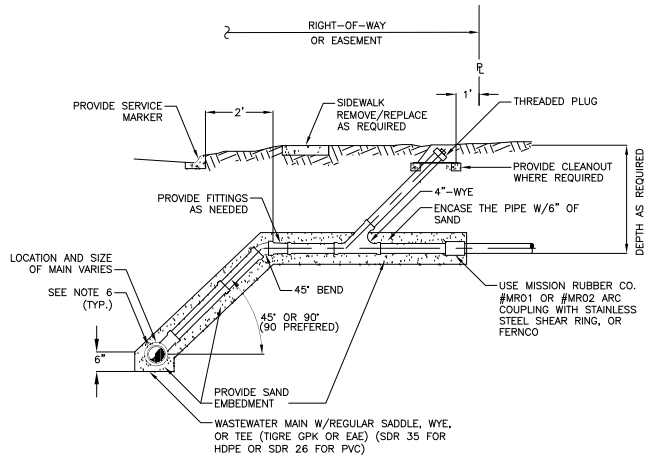
**J. Perates Civil Engineering and Planning Services**  
 14143 JAMES HARRIS BLVD.  
 SUITE 100  
 CORPUS CHRISTI, TEXAS 78446  
 TEL: (361) 728-7188

**CITY OF CORPUS CHRISTI, TEXAS**  
 Department of Engineering Services

**RELEASED FOR CONSTRUCTION**  
 Bris A. Whitmire, P.E., CFM, CPM  
 Development Services Engineer  
 City of Corpus Christi  
 Note: Construction Plans will expire based on the conditions stated in UDC 3.8.6.F.

**SERVICE CONNECTION NOTES:**

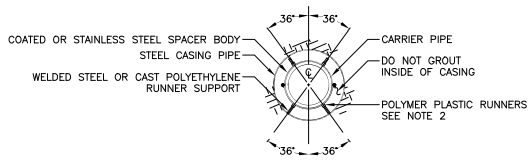
1. CONTRACTOR TO PROVIDE SERVICE CONNECTION TAP TO THE R.O.W. LINE & CONNECT EXIST. SERVICE LINE OUTSIDE EASEMENT AS SHOWN AND REQUIRED.
2. ALL SERVICE PIPE AND FITTINGS TO BE SOLVENT WELD SCH 40 PVC UNLESS SHOWN OTHERWISE IN THE PLANS.
3. FOR EXISTING MAIN PIPE MATERIAL - PVC AND/OR VCP USE UTILITY DEPARTMENT APPROVED CONNECTOR.
4. FOR NEW PVC MAIN AND SERVICE, USE PVC WYE OR TEE AS DIRECTED AT SERVICE CONNECTION.
5. IF PIPE LENGTH, ON SERVICE LINE, IS GREATER THAN 50', USE 6" PVC SCH 40 FROM CLEANOUT WYE TO THE MAIN LINE.



**PHASE 4 COTTAGES BY THE BAY**  
 CITY OF CORPUS CHRISTI, TEXAS  
 WASTEWATER STANDARD DETAILS  
 AIR RELEASE VALVE, BOLLARD AND SERVICE CONNECTION DETAILS

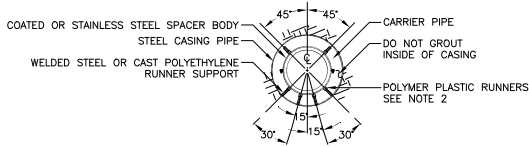
SHEET 13 of 14  
 RECORD DRAWING NO.

CITY PROJECT #



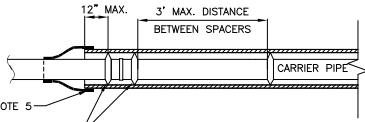
**4" TO 10" CASING DETAIL**

NOT TO SCALE



**12" TO 36" CASING DETAIL**

NOT TO SCALE



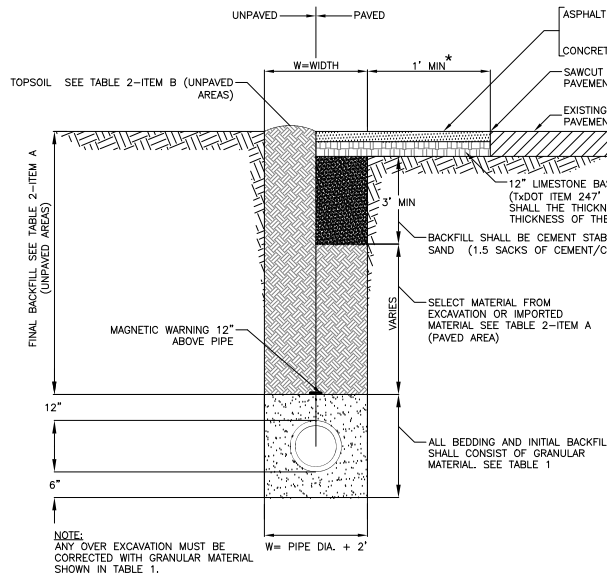
**CASING DETAIL**

NOT TO SCALE

CASING SPACER SHOULD BE SPACED A MAXIMUM OF ONE FOOT FROM EACH SIDE OF JOINT

**CASING NOTES:**

- CASING DIAMETER, LENGTH, LOCATION, AND WALL THICKNESS SHALL BE PER PROJECT SPECIFIC REQUIREMENTS. (MINIMUM SCHEDULE 40)
- ALL CARRIER PIPES IN INSTALLED CASINGS SHALL BE SUPPORTED BY BOLT-ON STYLE CASING SPACERS ("ADVANCED PRODUCTS" OR APPROVED EQUAL).
- THE CONTRACTOR SHALL PROVIDE MECHANICALLY RESTRAINED JOINTS FOR FORCE MAINS ONLY ON CARRIER PIPES. "MEGALUG" TYPE JOINT RESTRAINTS OR APPROVED EQUAL SHALL BE USED.
- CASING SPACERS SHALL BE SIZED TO SECURELY FASTEN TO THE CARRIER PIPE O.D. AND SHALL BE FURNISHED WITH A MINIMUM RUNNER HEIGHT TO MAINTAIN SEPARATION BETWEEN THE MAXIMUM O.D. OF THE CARRIER PIPE AND THE CASING WALL.
  - POSITIONING OF THE SPACERS SHALL ENSURE THAT THE CARRIER PIPE IS ADEQUATELY SUPPORTED THROUGHOUT ITS LENGTH.
  - SPACERS AT EACH END SHALL NOT BE FURTHER THAN 12" FROM THE END OF THE CASING.
  - CASING SPACERS SHALL BE INSTALLED IN THE CENTER OF THE PIPE SECTION. THE MAXIMUM SPACING OF THE CASING SPACERS SHALL BE 3 FEET.
- THE TWO ENDS OF THE CASING PIPE SHALL BE SEALED WATERTIGHT WITH AN ADVANCED PRODUCTS SYSTEM, INC. MODEL AZ - ZIPPER, PSI MODEL C END SEAL, OR AN APPROVED EQUAL.



**TRENCH BACKFILL FOR WASTEWATER LINES AND PAVEMENT REPAIR FOR UTILITIES**

NOT TO SCALE

ASPHALT REPAIR: 3" MIN. THICKNESS. IN NO CASE SHALL REPAIR BE LESS THAN THE THICKNESS OF EXISTING PAVEMENT. PROVIDE PRIME COAT (0.15 GAL. PER SY MIN.)

CONCRETE REPAIR: 12" MIN. THICKNESS. IN NO CASE SHALL REPAIR BE LESS THAN THE THICKNESS OF EXISTING CONCRETE PAVEMENT.

**\*NOTE:**

PER CITY ORD. 030040 ARTICLE III CUTS AND EXCAVATIONS, A PERMIT FROM CITY DEVELOPMENT SERVICES DEPARTMENT IS REQUIRED FOR ALL UTILITY STREET CUTS. THE INSTALLATION OF A UTILITY THAT CROSSES THE ROW AT A PERPENDICULAR OR NEAR-PERPENDICULAR ANGLE AND HAS AN O.D. OF 6" OR LESS WILL NOT BE PERMITTED TO BE INSTALLED BY CUTTING THE ROAD SECTION.

ANY UTILITY RELATED STREET EXCAVATION/CUT SHALL INCLUDE REPAIR OF NOT ONLY THE IMPACTED TRENCH, BUT ALSO A FULL LANE OVERLAY/PAVEMENT REPAIR FOR PARALLEL CUTS OR 12' WIDE FOR PERPENDICULAR CUTS ON ASPHALT STREETS, AND FULL PANEL REPLACEMENT ON CONCRETE STREETS. A SITE SPECIFIC PAVEMENT CUT AND RESTORATION PLAN THAT INDICATES THE GENERAL NATURE OF THE PAVEMENT AND ROADWAY TO BE CUT AND RESTORED, THE EXISTING PAVEMENT SECTION (IF KNOWN), THE LOCATION AND APPROXIMATE AREA OF THE EXCAVATION/PAVEMENT REPAIR, INCLUDING THE APPROXIMATE LENGTH AND WIDTH OF THE PAVEMENT REPAIR IN RELATION TO THE ROADWAY TRAVEL LANE(S), MUST BE INCLUDED IN THE DRAWINGS/PERMIT APPLICATION.

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CONSULTANT'S SHEET NO.



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 Corpus Christi, Texas 78426  
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CITY OF CORPUS CHRISTI  
 TEXAS  
 Department of Engineering Services

PHASE 4  
 COTTAGES BY THE BAY  
 CORPUS CHRISTI, TEXAS  
 CITY OF CORPUS CHRISTI  
 WASTEWATER STANDARD DETAILS  
 PAVEMENT REPAIR/BACKFILL/GENERAL NOTES/CASING DETAILS

SHEET 14 of 14  
 RECORD DRAWING NO.  
 CITY PROJECT #

**GENERAL NOTES FOR BACKFILL**

TABLE 1 BEDDING AND INITIAL BACKFILL (BELOW PIPE TO 12" ABOVE PIPE)		TABLE 2 FINAL BACKFILL (GREATER THAN 12" ABOVE PIPE)	
		UNPAVED AREAS	PAVED AREAS
ALL BEDDING AND INITIAL BACKFILL SHALL CONSIST OF THE FOLLOWING OR REFER TO DESIGN ENGINEER REQUIREMENTS: GRANULAR BACKFILL CONSISTING OF EITHER NATURAL SAND OR SANDY GRAVEL, OR MATERIAL PRODUCED BY CRUSHING OF NATURAL STONE OR GRAVEL:		A. FROM 12" ABOVE PIPE TO BOTTOM OF TOPSOIL, BACKFILL SHALL BE APPROVED SELECT MATERIAL FROM THE EXCAVATION; OR IMPORTED MATERIAL; ALL TO BE FREE OF ROCKS, DEBRIS, OR ANY CLUMPS GREATER THAN 2" IN DIAMETER; LOOSE LIFTS TO BE PLACED 10" MAX.	
<ol style="list-style-type: none"> <li>EXCAVATIONS &lt;20 FT. DEEP AND ABOVE WATER TABLE, USE MATERIAL MEETING THE FOLLOWING CRITERIA.            MEETING REQUIREMENTS OF ASTM D2487 FOR:            SP GP            SW GW            SP-SM GP-GM            SW-SM GW-GM            AND IN ADDITION:            PASSING 1/2" SIEVE - 100%            PASSING #4 SIEVE - 30% MINIMUM            PLASTICITY INDEX (PI) - NP TO 10 MAX.         </li> <li>IN DEEP EXCAVATIONS (&gt;20') OR BELOW WATER TABLE, USE CRUSHED STONE OR CRUSHED GRAVEL MEETING GRADATION OF:            A. CONCRETE COARSE AGGREGATE; TxDOT ITEM 421; GRADE 2, 3, OR 4.            OR            B. CRUSHED LIMESTONE PER TxDOT ITEM 421' GRADE 2, 3, OR 4.         </li> </ol>		A. FROM 12" ABOVE PIPE TO 3" BELOW BOTTOM OF ROAD BASE; BACKFILL SHALL BE SELECT MATERIAL FROM EXCAVATION OR IMPORTED MATERIAL. IN EITHER CASE, ALL MATERIAL SHALL MEET THE FOLLOWING: LL<35 PI 8-20 NO CLUMPS > 2" DIA. MOISTURE - 1 TO +3% COMPACT 95% D698 STD PROCTOR LOOSE LIFTS OF 12" MAX OR IF SELECT MATERIAL FROM EXCAVATION DOES NOT MEET REQUIREMENTS, THEN USE CEMENT STABILIZED SAND. SEE TABLE 2-ITEM B BELOW. B. FROM 3' BELOW BOTTOM OF ROAD BASE TO BOTTOM OF ROAD BASE: BACKFILL SHALL BE CEMENT STABILIZED SAND (1.5 SK/CY.) AND SHALL MEET THE FOLLOWING REQUIREMENTS: SAND GRADATION: % PASSING #4 55-100 #10 40-100 #40 25-100 #200 10-20 PI NP-10 COMPACT TO 95% OF D588. MOISTURE TO BE ADJUSTED TO (+/-2%) OF OPTIMUM.	



## Exhibit 4

ESTIMATED REIMBURSABLE COSTS FOR PUBLIC WASTEWATER IMPROVEMENTS  
MERIDA SHOPPING CENTER, 15517 S.P.I.D., CORPUS CHRISTI, TX

<b>Sanitary Sewer - Reimbursable Items</b>					
	<b>Item</b>	<b>Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Amount</b>
1	Mobilization	1	L.S.	\$45,000	\$45,000.00
2	Connect 24" PVC to exist WW manhole D = 13'	1	L.S.	\$18,000	\$18,000.00
3	New 24" PVC Sanitary sewer line D = 10' to 13'	668	L.F.	\$950	\$634,600.00
4	New 6' diameter fiberglass WW manhole 11'-12' deep	1	Ea.	\$19,000	\$19,000.00
5	Replace exist 4' dia. WW manhole with 6' diameter fiberglass WW manhole 10'-11' deep	1	Ea.	\$34,000	\$34,000.00
6	24" PVC cap	1	Ea.	\$800	\$800.00
7	Trench de-watering	668	L.F.	\$125	\$83,500.00
8	Trench protection	668	L.F.	\$8	\$5,344.00
9	Storm Water Pollution Protection	1	L.S.	\$15,000	\$15,000.00
10	Remove & replace concrete cart path	120	S.F.	\$55	\$6,600.00
11	Remove & replace existing 12' driveway	120	S.F.	\$65	\$7,800.00
12	Remove & replace concrete sidewalk	120	S.F.	\$40	\$4,800.00
13	Remove & replace existing chain link fence	285	L.F.	\$30	\$8,550.00
14	Temporary chain link fence	265	L.F.	\$25	\$6,625.00
15	Remove & replace existing grate inlet	1	Ea.	\$2,500	\$2,500.00
16	Fuels, insurance, video inspections, construction supervision	1	L.S.	\$183,500	\$183,500.00
	Subtotal Construction Items				\$1,075,619.00
	8% Engineering Costs				\$86,049.52
	Sub Total Costs				\$1,161,668.52
	10% Contingency				\$116,166.85
	TOTAL				\$1,277,835.37
	WASTEWATER LOT FEE CREDIT				\$2,972.33
	<b>TOTAL REIMBURSEMENT FROM TRUST FUND</b>				<b>\$1,274,863.04</b>







## DEFINITIONS

### Development Services Department

2406 Leopard St, Corpus Christi, TX 78408 | Phone: 361.826.3240 | [plafapplication@cctexas.com](mailto:plafapplication@cctexas.com)

- a. "Board Member". A member of any board, commission or committee appointed by the City Council of the City of Corpus Christi, Texas.
- b. "Employee". Any person employed by the City of Corpus Christi, Texas, either on a full or part time basis, but not as an independent contractor.
- c. "Firm". Any entity operated for economic gain, whether professional, industrial or commercial and whether established to produce or deal with a product or service, including but not limited to, entities operated in the form of sole proprietorship, as self-employed person, partnership, corporation, joint stock company, joint venture, receivership or trust and entities which, for purposes of taxation, are treated as non-profit organizations.
- d. "Official". The Mayor, members of the City Council, City Manager, Deputy City Manager, Assistant City Managers, Department and Division Heads and Municipal Court Judges of the City of Corpus Christi, Texas.
- e. "Ownership Interest". Legal or equitable interest, whether actually or constructively held, in a firm, including when such interest is held through an agent, trust, estate or holding entity. "Constructively held" refers to holding or control established through voting trusts, proxies or special terms of venture or partnership agreements.
- f. "Consultant". Any person or firm, such as engineers and architects, hired by the City of Corpus Christi for the purpose of professional consultation and recommendation.