

NOTICE: THIS PRELIMINARY UTILITY PLAN IS FOR THE PLAT THAT IS INDICATED AND INDICATES THE CURRENT DESIGN. THIS UTILITY PLAN IS SUBJECT TO CHANGE AND MODIFICATION AS DESIGN OF THE PROJECT IS COMPLETED. THEREFORE THE CONSTRUCTION DRAWINGS FOR THE PROJECT SHALL GOVERN ALL WORK FOR THE PROJECT. REFER TO PLAT DRAWING FOR INFORMATION REGARDING ANY LINES, ABBREVIATIONS, AND SYMBOLS.

- GENERAL INFORMATION
- WASTEWATER UTILITY
 - LAYOUT INDICATES ONLY THE PUBLIC WASTEWATER UTILITY SYSTEM
 - REFER TO EXHIBIT A - ESTIMATED WASTEWATER GENERATION (SEE BELOW) FOR INFORMATION REGARDING THE WASTEWATER GENERATION FROM THE DEVELOPMENT.
 - WATER UTILITY
 - LAYOUT INDICATES ONLY THE PUBLIC WATER UTILITY SYSTEM
 - REFER TO EXHIBIT B - ESTIMATED WATER DEMAND (SEE BELOW) FOR INFORMATION REGARDING THE WATER GENERATION FROM THE DEVELOPMENT.
 - STORMWATER UTILITY
 - LAYOUT INDICATES ONLY THE PUBLIC STORMWATER UTILITY SYSTEM
 - REFER TO THE STORMWATER QUALITY MANAGEMENT PLAN FOR THE DEVELOPMENT FOR ADDITIONAL INFORMATION.
 - THE RECEIVING WATERS FROM THIS SITE IS AS FOLLOWS:
 - OSO CREEK DRAINAGE BASIN - THE RECEIVING WATER FOR THE STORM WATER RUNOFF FROM THIS PROPERTY IS THE OSO CREEK. THE TCEQ HAS NOT CLASSIFIED THE AQUATIC LIFE USE FOR THE OSO CREEK, BUT IT IS RECOGNIZED AS AN ENVIRONMENTALLY SENSITIVE AREA. THE OSO CREEK FLOWS DIRECTLY INTO THE OSO BAY. THE TCEQ HAS CLASSIFIED THE AQUATIC LIFE USE FOR THE OSO BAY AS "EXCEPTIONAL" AND "OYSTER WATERS" AND CATEGORIZED THE RECEIVING WATERS AS "CONTACT RECREATION" USE.

EXHIBIT A ESTIMATED WASTEWATER GENERATION

DEVELOPMENT NAME: AZALI DISTRICT
DESIGN DATE: September 29, 2023
ENGINEERING FIRM: MUNOZ ENGINEERING, LLC (TBEPLS F-12240)
1608 S. BROWNLEE BLVD., CORPUS CHRISTI, TEXAS 78404
DESIGN ENGINEER: THOMAS TITFIN, PE (TX PE #11733)

DESCRIPTION	UNIT	UNIT QTY	PERSONS PER UNIT	RATE PER PERSON (GPD)	TOTAL FLOW (GPD)
RESIDENTIAL - SINGLE FAMILY	EACH	0	3.5	75	0
RESIDENTIAL - TOWNHOUSE	EACH	0	3.5	75	0
RESIDENTIAL - APARTMENT - 1 BEDROOM	EACH	0	2.0	50	0
RESIDENTIAL - APARTMENT - 2+ BEDROOM	EACH	0	3.5	75	0
RESIDENTIAL - MANUFACTURED HOME	EACH	0	3.5	75	0
RESIDENTIAL - RECREATIONAL VEHICLE	EACH	0	2.5	65	0
COMMERCIAL - HOTEL ROOM	ROOM	1	2.0	4	4
COMMERCIAL - STORAGE CENTER OFFICE	EACH	1	2.0	4	4

ESTIMATED WASTEWATER GENERATION FLOW IN GALLONS PER DAY (GPD) (B) = 23,526

EXHIBIT B ESTIMATED WATER DEMAND

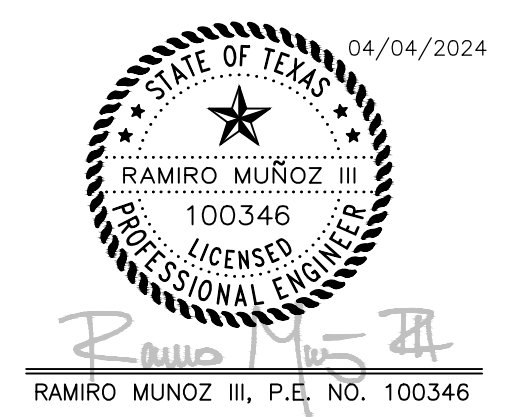
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DESCRIPTION	UNIT	UNIT QTY	PERSONS PER UNIT	RATE PER PERSON (GPD)	TOTAL FLOW (GPD)
RESIDENTIAL - SINGLE FAMILY	EACH	0	3.5	110	0
RESIDENTIAL - TOWNHOUSE	EACH	0	3.5	110	0
RESIDENTIAL - APARTMENT - 1 BEDROOM	EACH	0	2.0	75	0
RESIDENTIAL - APARTMENT - 2+ BEDROOM	EACH	0	3.5	75	0
RESIDENTIAL - MANUFACTURED HOME	EACH	0	3.5	75	0
RESIDENTIAL - RECREATIONAL VEHICLE	EACH	0	2.5	24	0
COMMERCIAL - HOTEL ROOM	ROOM	0	2.5	65	0
COMMERCIAL - STORAGE CENTER OFFICE	EACH	1	2.0	6	6

ESTIMATED WATER DEMAND FLOW IN GALLONS PER DAY (GPD) (B) = 22,558

STORMWATER QUALITY MANAGEMENT PLAN (SWQMP) LEGEND AND ABBREVIATION DEFINITIONS

- THE FOLLOWING IS A GENERAL LEGEND OF THE LINES, SYMBOLS, AND ABBREVIATIONS THAT MAY BE FOUND WITHIN THE SWQMP. NOT ALL LINES, SYMBOLS, AND ABBREVIATIONS INDICATED BELOW MAY BE USED AND ARE INCLUDED AS REFERENCE.
- EXISTING CURB INLET
 - EXISTING GRATE INLET
 - EXISTING POST INLET
 - EXISTING MANHOLE
 - EXISTING JUNCTION BOX
 - EXISTING SAFETY END TREATMENT (SET)
 - PROPOSED SAFETY END TREATMENT (SET)
 - EXISTING SLOPED DITCH/POND OUTFALL
 - PROPOSED SLOPED DITCH/POND OUTFALL
 - EXISTING STORMWATER UTILITY MARKER
 - PROPOSED STORMWATER UTILITY MARKER
 - EXISTING GENERAL PIPE (PIPE TYPE NOT DETERMINED)
 - PROPOSED GENERAL PIPE (PIPE TYPE NOT DETERMINED)
 - EXISTING REINFORCED CONCRETE BOX
 - PROPOSED REINFORCED CONCRETE BOX
 - EXISTING HIGH-PERFORMANCE POLYPROPYLENE (HP) PIPE
 - PROPOSED HIGH-PERFORMANCE POLYPROPYLENE (HP) PIPE
 - EXISTING POLYVINYL CHLORIDE (PVC) PIPE
 - PROPOSED POLYVINYL CHLORIDE (PVC) PIPE
 - EXISTING REINFORCED CONCRETE PIPE (RCP)
 - PROPOSED REINFORCED CONCRETE PIPE (RCP)
 - EXISTING DITCH/DETENTION POND CENTERLINE
 - PROPOSED DITCH/DETENTION POND CENTERLINE
 - EXISTING DITCH/DETENTION POND TOP
 - PROPOSED DITCH/DETENTION POND TOP
 - EXISTING DITCH/DETENTION POND TOE
 - PROPOSED DITCH/DETENTION POND TOE



- | WASTEWATER UTILITY | WATER UTILITY |
|--------------------------|---------------------------|
| (M) EXISTING MANHOLE | (V) EXISTING VALVE |
| (M) PROPOSED MANHOLE | (V) PROPOSED VALVE |
| (W) EXISTING PIPE | (W) EXISTING FIRE HYDRANT |
| (W) PROPOSED PIPE | (W) PROPOSED FIRE HYDRANT |
| (FM) EXISTING FORCE MAIN | (FM) EXISTING PIPE |
| (FM) PROPOSED FORCE MAIN | (FM) PROPOSED PIPE |

PRELIMINARY UTILITY PLAN FOR
AZALI DISTRICT
 CORPUS CHRISTI, NUECES COUNTY, TEXAS

MUNOZ ENGINEERING
 1608 S. BROWNLEE BOULEVARD
 CORPUS CHRISTI, TX 78404
 OFFICE: 361.946.4848
 TBEPLS FIRM F-12240

BRISTER SURVEYING
 4455 South Padre Island Drive Suite 51
 Corpus Christi, Texas 78411
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 bristersurveying@corpus.twhc.com
 Firm Registration No. 10072800

MUNOZ ENGINEERING
 CIVIL | STRUCTURAL | MARINE | LAND DEVELOPMENT

ENGINEER: THOMAS TITFIN, PE
 SURVEYOR: RONNOLD BRISTER, RPLS
 OWNER: [Redacted]
 SURVEY/PID: [Redacted]
 OWNER/PID: [Redacted]
 DRAWN BY: [Redacted]
 CHECK BY: [Redacted]
 APPR BY: [Redacted]
 SURVEY DATE: 09/29/2023

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