

LOCATION MAP  
SCALE: 1" = 2,000'



ULTIMATE OUTFALL MAP  
1" = 1,000'

RUN-OFF CALCULATIONS	
PRE-DEVELOPMENT	POST-DEVELOPMENT
DA=1	DA=1
A=2.23 AC.	A=2.23 AC.
C=0.80	C=0.80
Tc=10 min. (assumed)	Tc=10 min. (assumed)
i <sub>5</sub> =6.70 in./hr.	i <sub>5</sub> =6.70 in./hr.
i <sub>25</sub> =9.33 in./hr.	i <sub>25</sub> =9.33 in./hr.
i <sub>100</sub> =11.8 in./hr.	i <sub>100</sub> =11.8 in./hr.
Q <sub>5</sub> =11.95 cfs	Q <sub>5</sub> =11.95 cfs
Q <sub>25</sub> =16.64 cfs	Q <sub>25</sub> =16.64 cfs
Q <sub>100</sub> =21.05 cfs	Q <sub>100</sub> =21.05 cfs

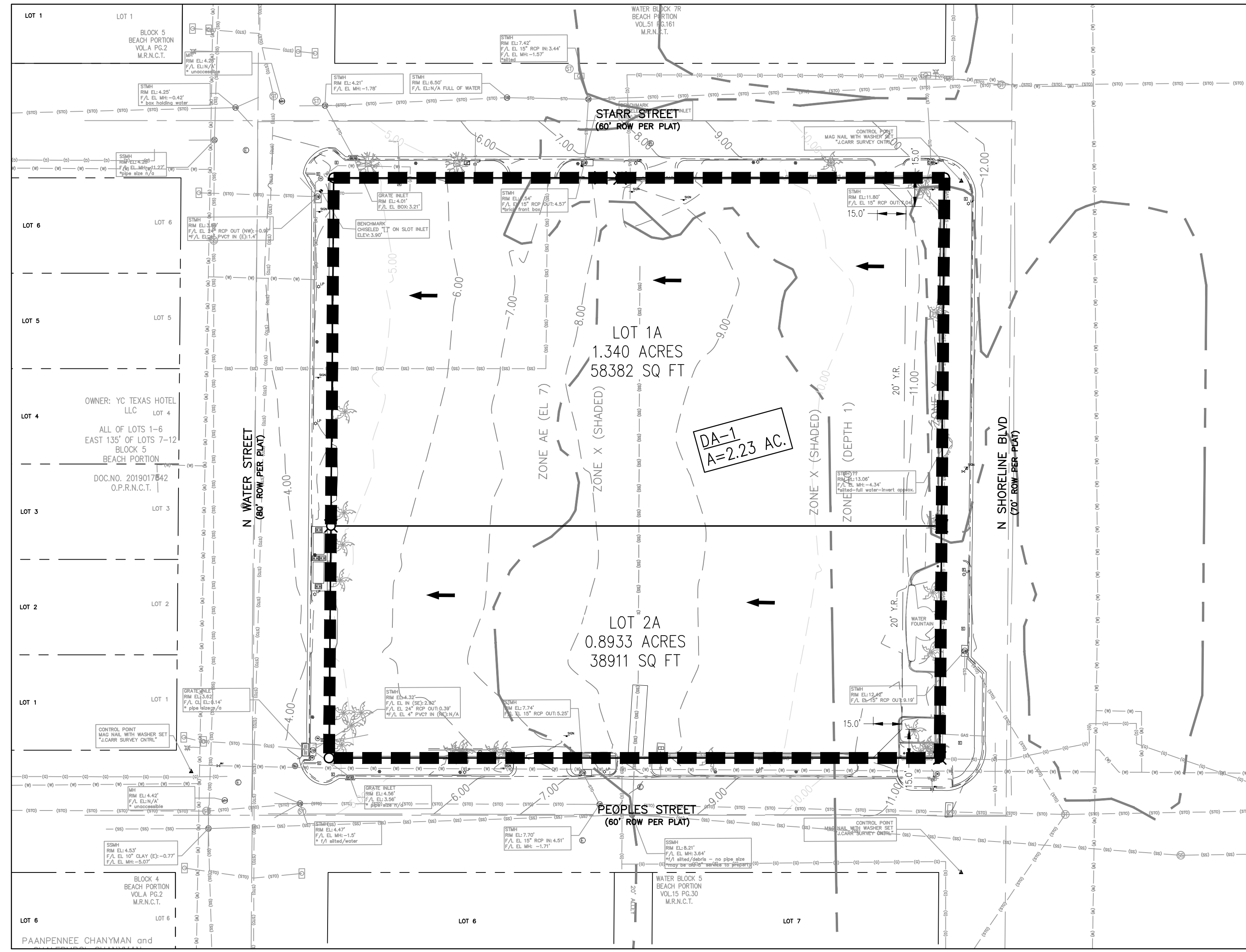
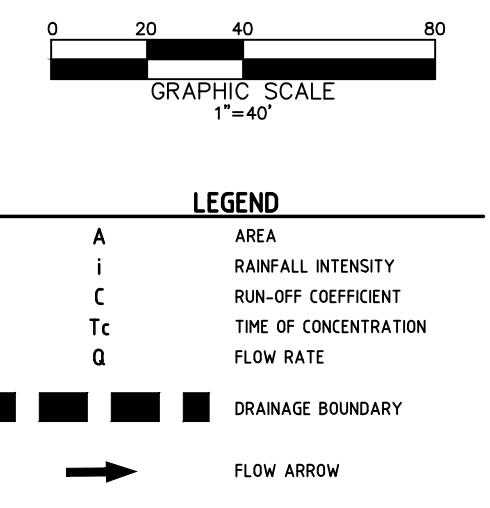
**DRAINAGE NOTES:**  
THE SUBJECT SITE CONSISTS OF MULTIPLE PLATTED LOTS AND WAS PREVIOUSLY FULLY DEVELOPED AS A HOTEL AND RESTAURANT. THE SUBJECT DEVELOPMENT WILL RE-PLAT THE PROPERTY INTO TWO LOTS FOR DEVELOPMENT CONSISTENT WITH THE CURRENT ZONING.

THE SITE IS RELATIVELY FLAT AND CURRENTLY DRAINS TO THE SURROUNDING STREETS WHICH HAVE PUBLIC STORM DRAIN SYSTEMS. THE PROPOSED DEVELOPMENT WILL GENERALLY MAINTAIN THE EXISTING DRAINAGE PATTERNS.

PRE-DEVELOPMENT AND POST-DEVELOPMENT RUN-OFF CALCULATIONS FOR THIS PROJECT ARE BASED ON THE CURRENT CITY OF CORPUS CHRISTI DRAINAGE MASTER PLAN AS WELL AS THE CITY OF CORPUS CHRISTI INFRASTRUCTURE DESIGN MANUAL.

FOR PURPOSES OF DETERMINING THE COEFFICIENT OF RUNOFF, BASED ON ZONING AND LAND USE OF THE SUBJECT PROPERTY, BAYFRONT BUSINESS DISTRICT WAS CHOSEN WAS CHOSEN FOR BOTH THE PRE-DEVELOPMENT AND POST-DEVELOPMENT CONDITIONS. A MINIMUM TIME OF CONCENTRATION (T<sub>c</sub>) OF 10 MINUTES IS ASSUMED.

THIS DEVELOPMENT COMPLIES WITH THE CITY'S MASTER DRAINAGE PLAN AND THE PROPOSED DRAINAGE WILL NOT ADVERSELY AFFECT THE DRAINAGE PATTERN OR DESIGN OF THE ADJACENT PROPERTIES.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MICHAEL C. YORK, P.E. IN AN ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

**STORM WATER QUALITY  
MANAGEMENT PLAN  
FOR  
WATER BEACH ADDITION  
BLOCK 6, LOTS 1A & 2A**

BEING A RE-PLAT OF LOTS 1 THROUGH 12, WATER BLOCK 6, BAY FRONT WATER BEACH PORTION. A MAP WHICH IS RECORDED IN VOLUME 9, PAGES 38-41, MAP RECORDS OF NUCCES COUNTY, TEXAS, INCLUDING THE 20' WIDE ALLEY CLOSED BY CITY ORDINANCE NO. 117305.