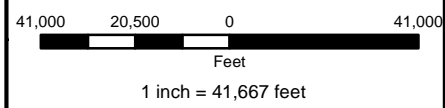


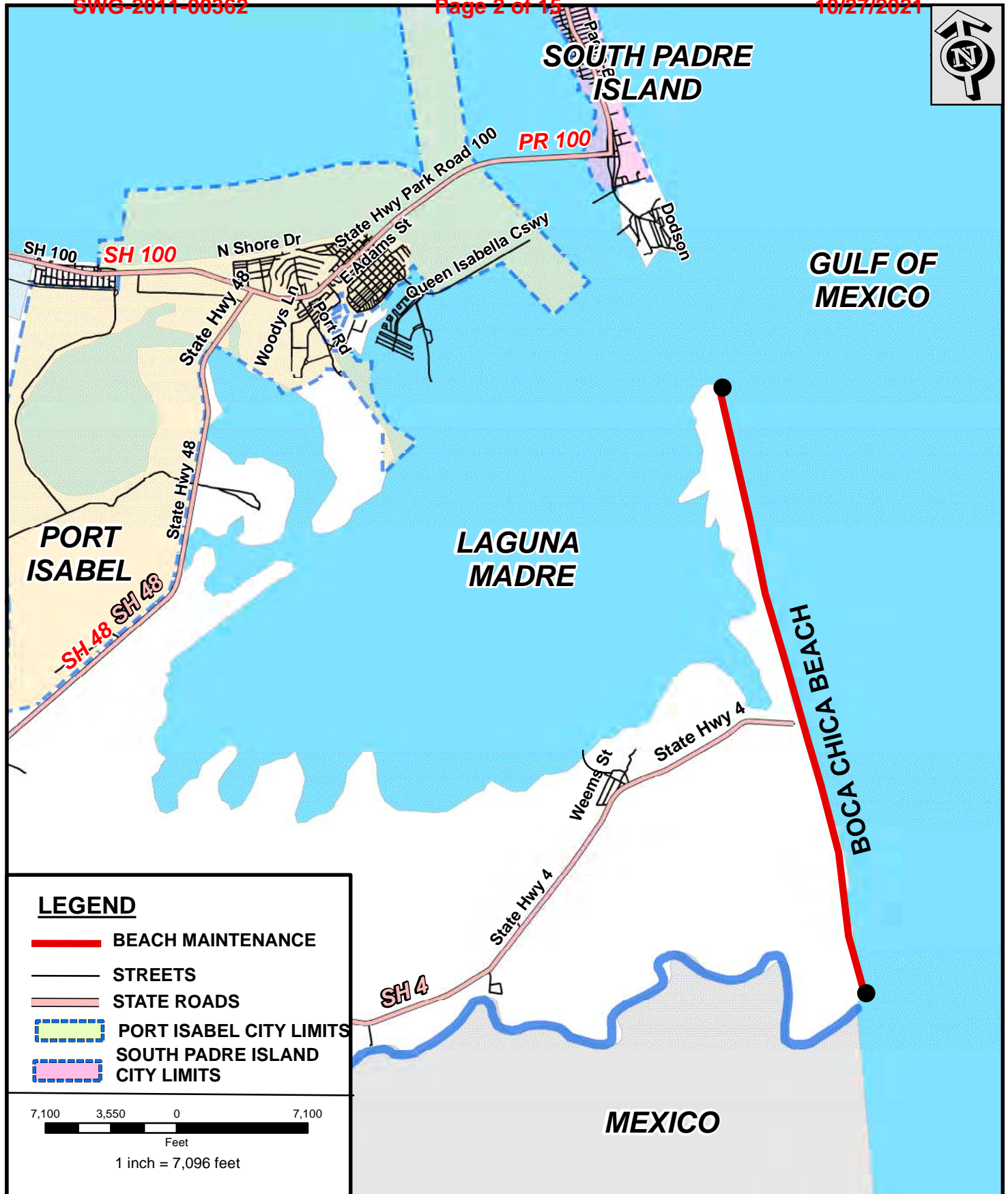


Figure 1

### CAMERON COUNTY USACE PERMIT VICINITY MAP

FROM NORTH OF THE SOUTH PADRE ISLAND CITY LIMITS TO THE MOUTH OF THE RIO GRANDE  
APPROX. PROJECT LENGTH 13.7 MILES (NON-CONTIGUOUS)





**CAMERON COUNTY USACE PERMIT  
BOCA CHICA BEACH LOCATION MAP**  
FROM SOUTH BRAZOS SANTIAGO JETTIES TO MOUTH OF THE RIO GRANDE  
APPROX. PROJECT LENGTH 7.48 MILES

**FIGURE 2**  
SHEET 1 OF 3



# SOUTH PADRE ISLAND

SHORES DEVELOPMENT

North County Beach  
SPI NorthTown Limits to  
Shores Development  
0.59 mi (3,128 LF.)

GULF OF MEXICO

LAGUNA MADRE

State Hwy Park Road 100

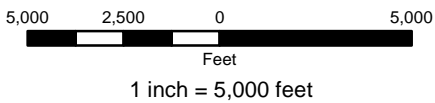
PR 100

ISLA BLANCA PARK

Isla Blanca Park Beach  
North Jetties to SPI Town Limits  
0.93 mi (4,908 LF.)

## LEGEND

-  BEACH MAINTENANCE AREAS
-  STREETS
-  STATE ROADS
-  SOUTH PADRE ISLAND CITY LIMITS



## CAMERON COUNTY USACE PERMIT ISLA BLANCA PARK & NORTH COUNTY BEACHES LOCATION MAP

FROM N. JETTIES TO SPI TOWN LIMITS & FROM SPI N. TOWN LIMITS TO SHORES DEVELOPMENT APPROX. PROJECT LENGTH 1.52 MILES

### FIGURE 2

SHEET 2 OF 3



# SOUTH PADRE ISLAND

## LAGUNA MADRE

## GULF OF MEXICO

Beach Access #6  
North for 1.0 mi  
1.0 mi (5,280 LF.)

North Boundary of Shores  
Development to  
Beach Access #6  
3.7 mi (19,628 LF.)

Ocean Blvd

BEACH ACCESS  
#6

PR 100

PR 100

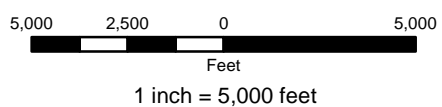
Ocean Blvd

SHORES  
DEVELOPMENT

Padre Blvd

### LEGEND

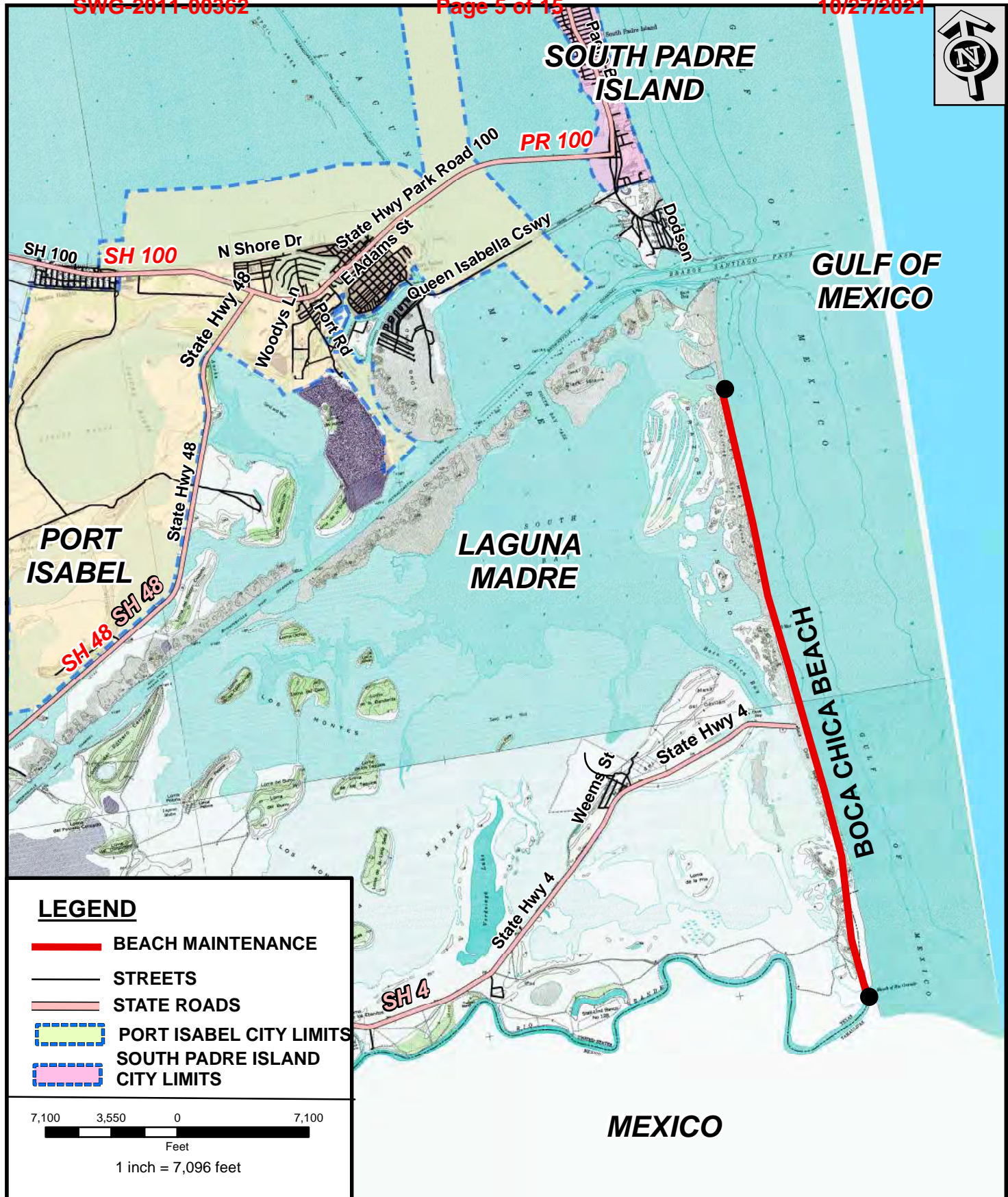
-  BEACH MAINTENANCE AREAS
-  STREETS
-  STATE ROADS
-  SOUTH PADRE ISLAND CITY LIMITS



## CAMERON COUNTY USACE PERMIT NORTH SHORES & ACCESS #6 BEACHES LOCATION MAP

FROM N. SHORES DEVELOPMENT TO BEACH  
ACCESS #6 & 1 MI N OF BEACH ACCESS #6 APPROX. PROJECT LENGTH 4.7 MILES

**FIGURE 2**  
SHEET 3 OF 3



**CAMERON COUNTY USACE PERMIT  
BOCA CHICA BEACH TOPOGRAPHIC MAP**  
FROM SOUTH BRAZOS SANTIAGO JETTIES TO MOUTH OF THE RIO GRANDE  
APPROX. PROJECT LENGTH 7.48 MILES

**FIGURE 3**  
SHEET 1 OF 3



# SOUTH PADRE ISLAND

North County Beach SPI NorthTown Limits to Shores Development 0.59 mi (3,128 LF.)

SHORES DEVELOPMENT

## GULF OF MEXICO

## LAGUNA MADRE

State Hwy Park Road 100

PR 100

Gulf Blvd

Padre Blvd

PR 100

Laguna Dr

Padre Blvd

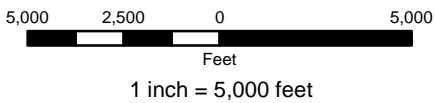
Queen Isabella Cswy

ISLA BLANCA PARK

Isla Blanca Park Beach North Jetties to SPI Town Limits 0.93 mi (4,908 LF.)

### LEGEND

-  BEACH MAINTENANCE AREAS
-  STREETS
-  STATE ROADS
-  SOUTH PADRE ISLAND CITY LIMITS



## CAMERON COUNTY USACE PERMIT ISLA BLANCA PARK & NORTH COUNTY BEACHES TOPOGRAPHIC MAP

FROM N. JETTIES TO SPI TOWN LIMITS & FROM SPI N. TOWN LIMITS TO SHORES DEVELOPMENT APPROX. PROJECT LENGTH 1.52 MILES

### FIGURE 3

SHEET 2 OF 3



# SOUTH PADRE ISLAND

LAGUNA MADRE

GULF OF MEXICO

Beach Access #6  
North for 1.0 mi  
1.0 mi (5,280 LF.)

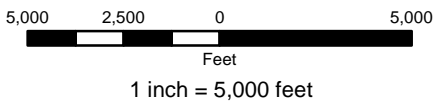
BEACH ACCESS #6

North Boundary of Shores Development to Beach Access #6  
3.7 mi (19,628 LF.)

SHORES DEVELOPMENT

### LEGEND

-  BEACH MAINTENANCE AREAS
-  STREETS
-  STATE ROADS
-  SOUTH PADRE ISLAND CITY LIMITS

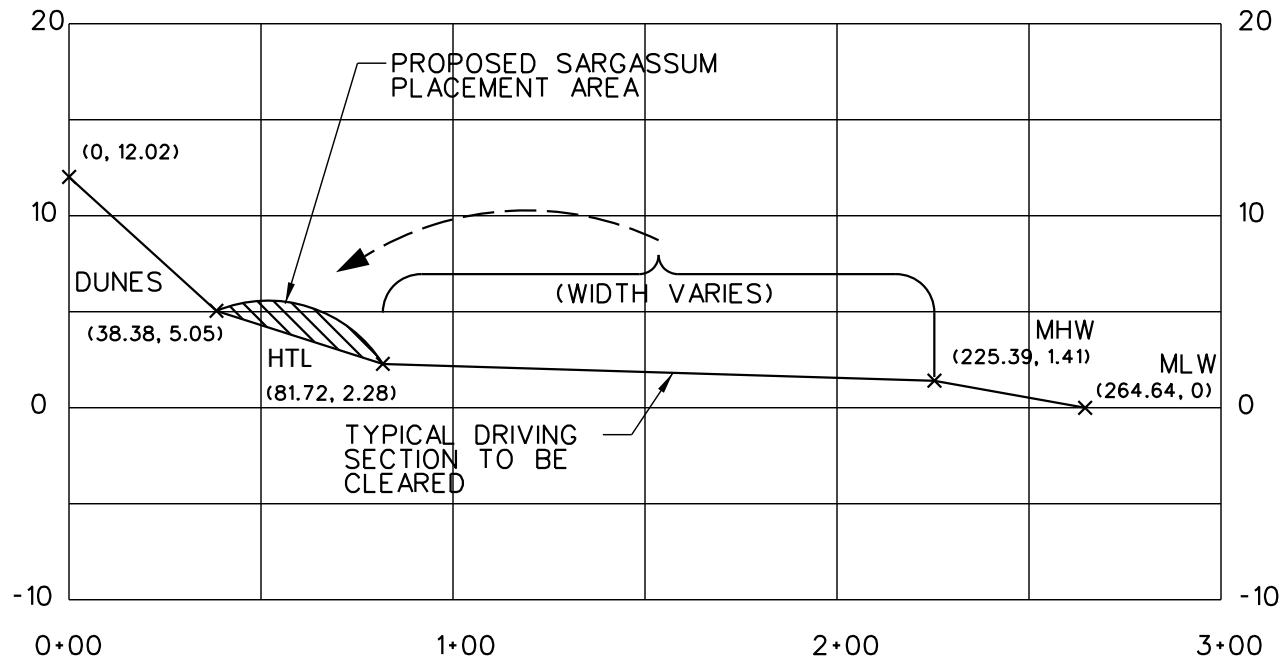


## CAMERON COUNTY USACE PERMIT NORTH SHORES & ACCESS #6 BEACHES TOPOGRAPHIC MAP

FROM N. SHORES DEVELOPMENT TO BEACH  
ACCESS #6 & 1 MI N OF BEACH ACCESS #6 APPROX. PROJECT LENGTH 4.7 MILES

**FIGURE 3**  
SHEET 3 OF 3

8/31/2021 P:\Clients\Counties\Cameron\Boca Chica Beach\Design\11 XSECS\Boca Chica Beach - Typical Cross Section.dgn



TYPICAL CROSS SECTION

FEBRUARY - AUGUST  
CLEANING / BEACH  
MAINTENANCE

DATUM USED: NAVD88

HTL & MHW - determined by NOAA Datum (July 2021)

SCALE:  
HOR. 1"=50'  
VERT. 1"=10'

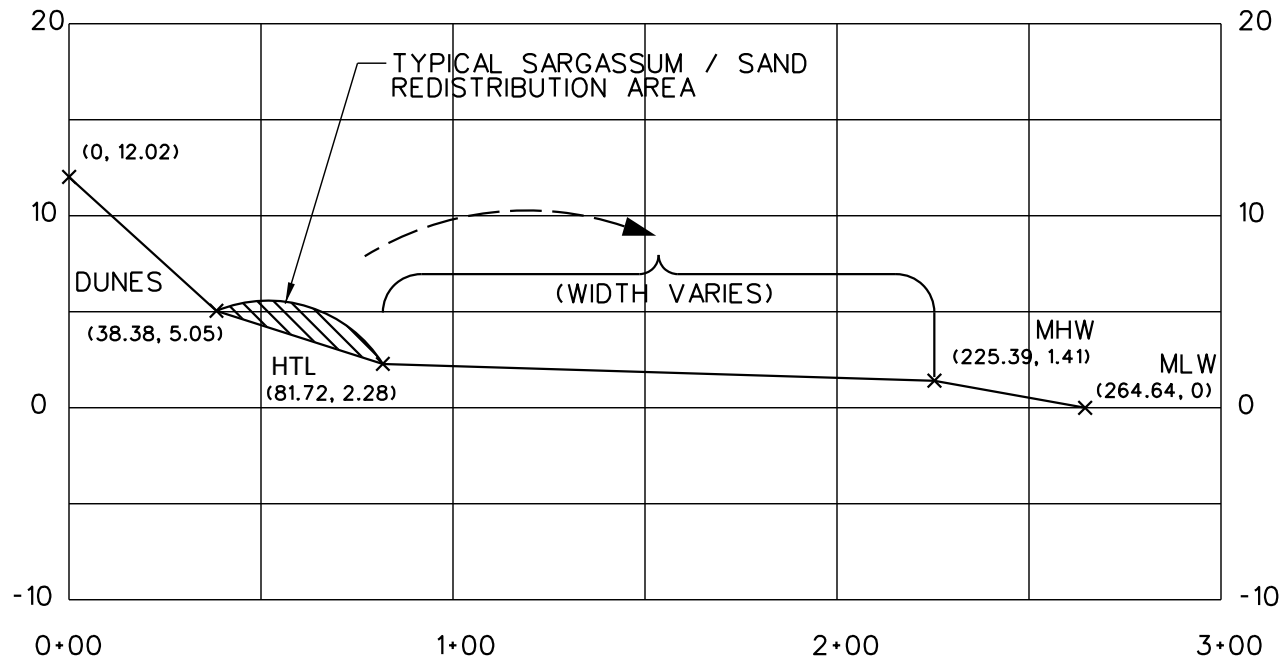


**LEGEND**  
 HTL - HIGH TIDE LINE  
 MHW - MEAN HIGH WATER  
 MLW - MEAN LOW WATER  
 NG - NATURAL GROUND

**BOCA CHICA BEACH**  
**(SWG-2011-00362)**



8/31/2021 P:\Clients\Counties\Cameron\Boca Chica Beach\Design\11 XSECS\Boca Chica Beach - Typical Cross Section.dgn



TYPICAL CROSS SECTION

SEPTEMBER - JANUARY  
SEASONAL BEACH MATERIAL  
RE-DISTRIBUTION

DATUM USED: NAVD88

HTL & MHW - determined by NOAA Datum (July 2021)

SCALE:  
HOR. 1"=50'  
VERT. 1"=10'



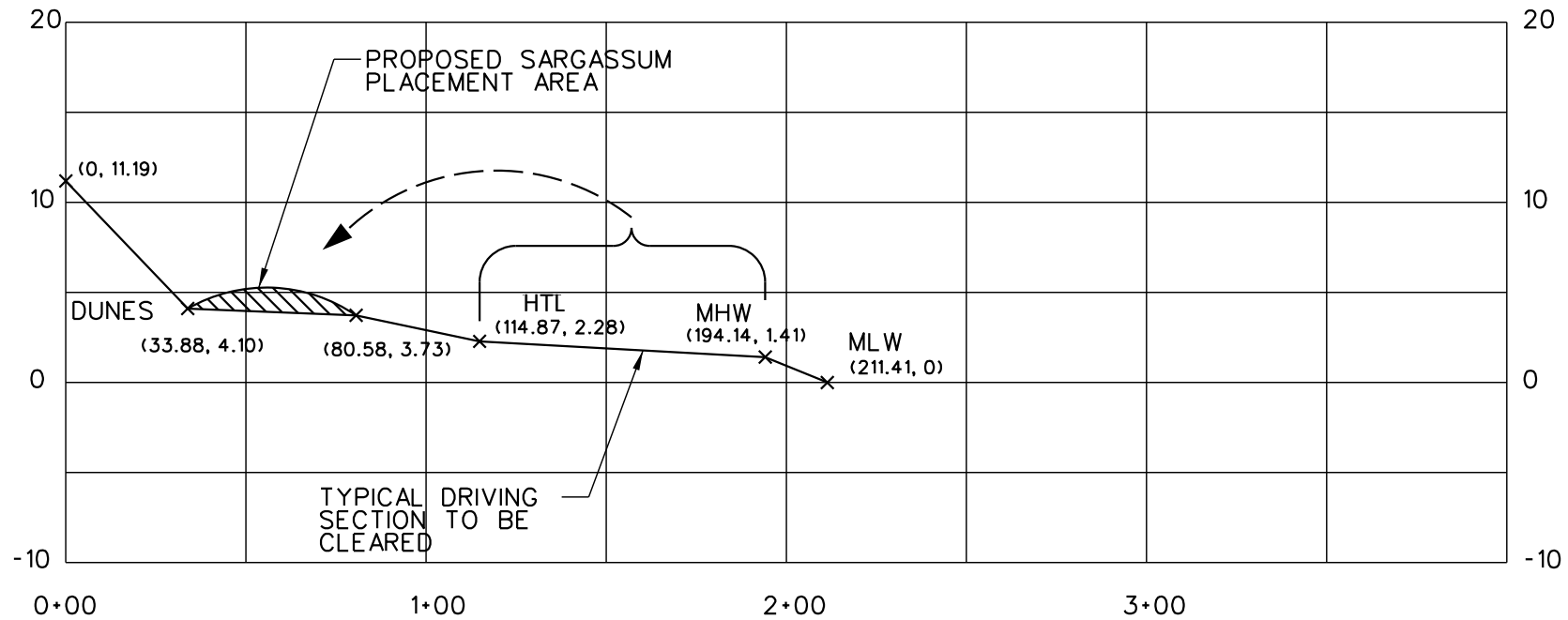
LEGEND

- HTL - HIGH TIDE LINE
- MHW - MEAN HIGH WATER
- MLW - MEAN LOW WATER
- NG - NATURAL GROUND

# BOCA CHICA BEACH

## (SWG-2011-00362)

8/31/2021P:\Clients\Counties\Cameron\Isla Blanca Park Beach\Design\11 XSECS\Isla Blanca Park Beach - Typical Cross Section.dgn



TYPICAL CROSS SECTION

FEBRUARY - AUGUST  
CLEANING / BEACH  
MAINTENANCE

DATUM USED: NAVD88

HTL & MHW - determined by NOAA Datum (July 2021)

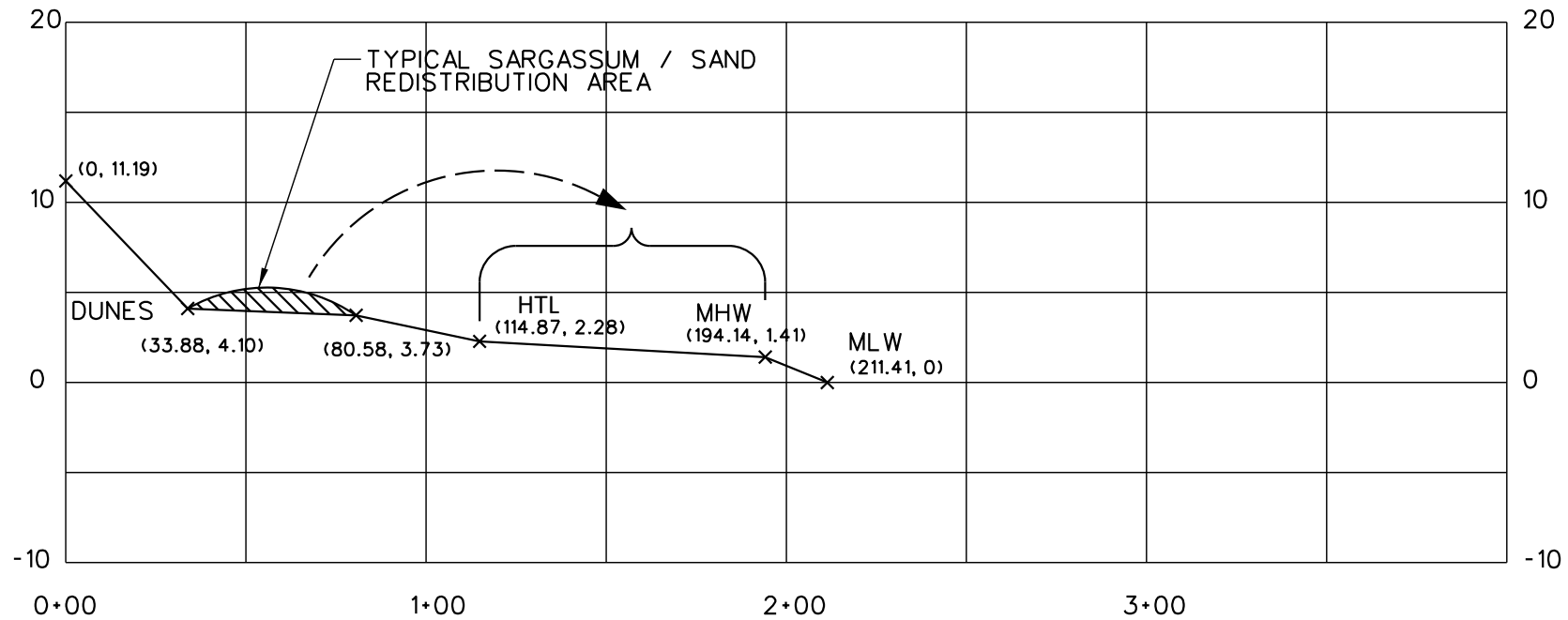
SCALE:  
HOR. 1"=50'  
VERT. 1"=10'



**LEGEND**  
HTL - HIGH TIDE LINE  
MHW - MEAN HIGH WATER  
MLW - MEAN LOW WATER  
NG - NATURAL GROUND

**ISLA BLANCA PARK BEACH**  
**(SWG-2011-00362)**

8/31/2021P:\Clients\Counties\Cameron\Isla Blanca Park Beach\Design\11 XSECS\Isla Blanca Park Beach - Typical Cross Section.dgn



TYPICAL CROSS SECTION

SEPTEMBER - JANUARY  
SEASONAL BEACH MATERIAL  
RE-DISTRIBUTION

DATUM USED: NAVD88

HTL & MHW - determined by NOAA Datum (July 2021)

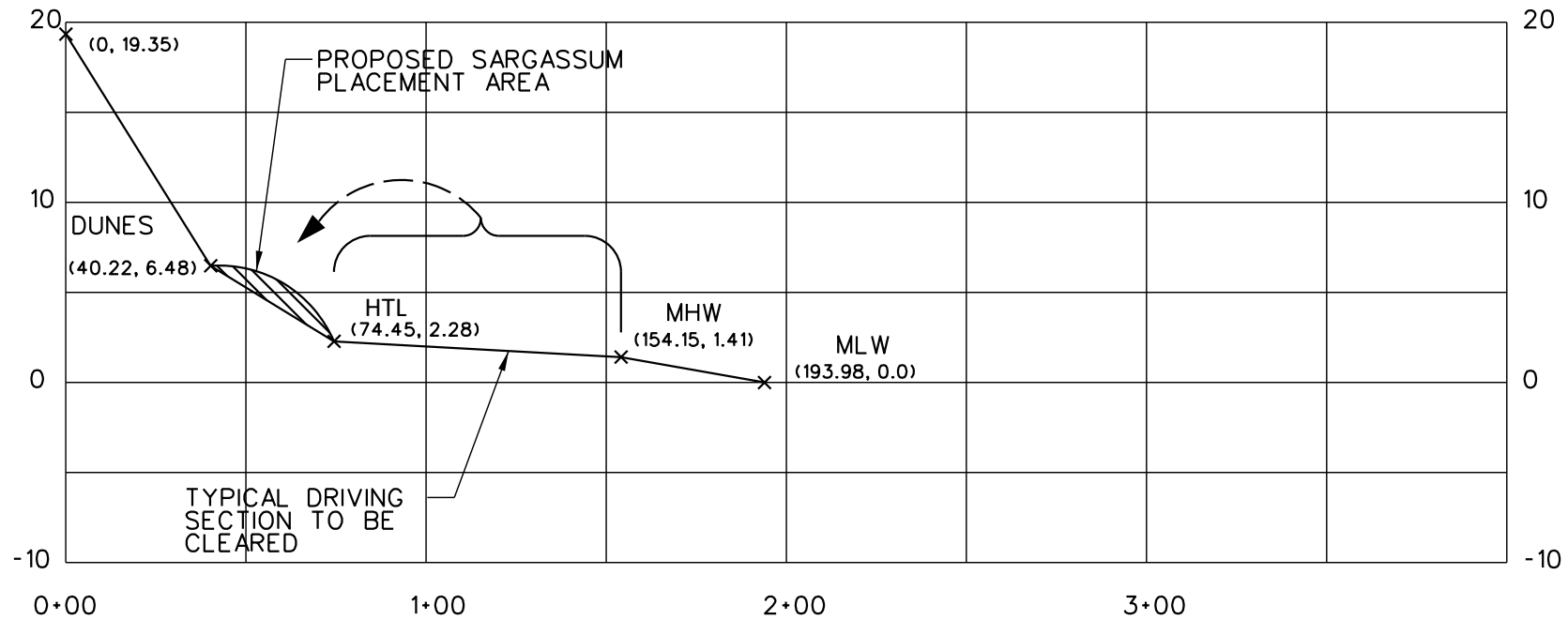
SCALE:  
HOR. 1"=50'  
VERT. 1"=10'



LEGEND  
HTL - HIGH TIDE LINE  
MHW - MEAN HIGH WATER  
MLW - MEAN LOW WATER  
NG - NATURAL GROUND

**ISLA BLANCA PARK BEACH**  
**(SWG-2011-00362)**

8/31/2021 P:\Clients\Counties\Cameron\Beach Access \*5\Design\11 XSECS\BAR \*5 - Typical Cross Section.dgn



TYPICAL CROSS SECTION

FEBRUARY - AUGUST  
CLEANING / BEACH  
MAINTENANCE

DATUM USED: NAVD88

HTL & MHW - determined by NOAA Datum (July 2021)

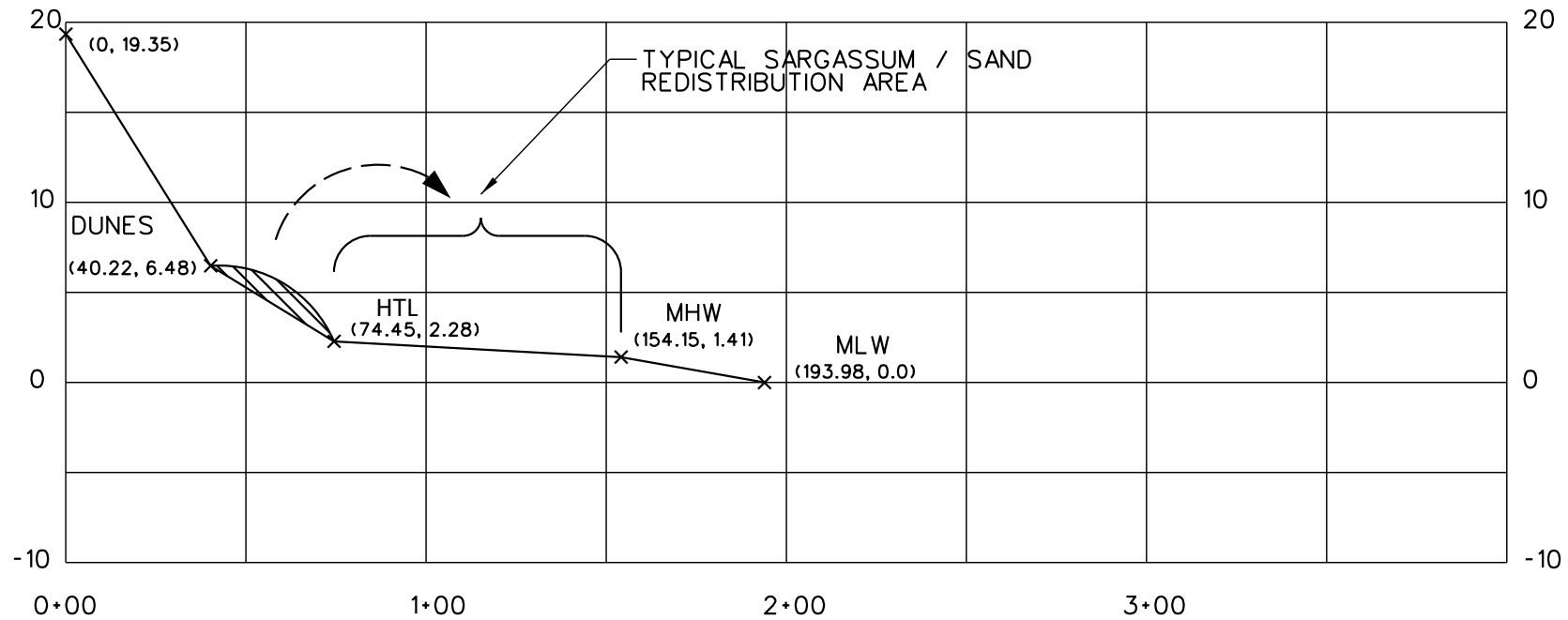
SCALE:  
HOR. 1"=50'  
VERT. 1"=10'



**LEGEND**  
HTL - HIGH TIDE LINE  
MHW - MEAN HIGH WATER  
MLW - MEAN LOW WATER  
NG - NATURAL GROUND

# BEACH ACCESS ROAD 5 (SWG-2011-00362)

8/31/2021 P:\Clients\Countries\Cameron\Beach Access \*5\Design\11 XSECS\BAR \*5 - Typical Cross Section.dgn



TYPICAL CROSS SECTION

SEPTEMBER - JANUARY  
SEASONAL BEACH MATERIAL  
RE-DISTRIBUTION

DATUM USED: NAVD88

HTL & MHW - determined by NOAA Datum (July 2021)

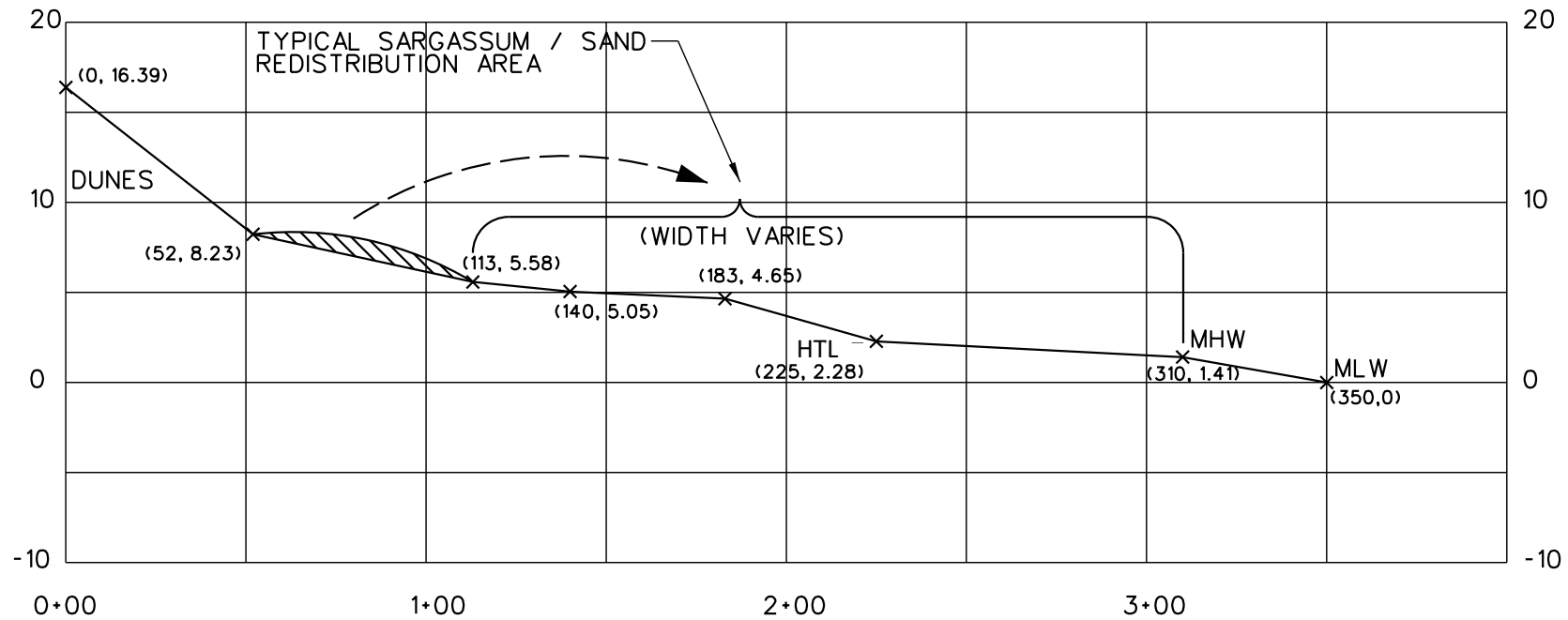
SCALE:  
HOR. 1"=50'  
VERT. 1"=10'



**LEGEND**  
HTL - HIGH TIDE LINE  
MHW - MEAN HIGH WATER  
MLW - MEAN LOW WATER  
NG - NATURAL GROUND

**BEACH ACCESS ROAD 5**  
**(SWG-2011-00362)**

8/31/2021 P:\Clients\Counties\Cameron\Beach Access \*6\Design\11 XSECS\BAR \*6 - Typical Cross Section - JR.dgn



TYPICAL CROSS SECTION

SEPTEMBER - JANUARY  
SEASONAL BEACH MATERIAL  
RE-DISTRIBUTION

DATUM USED: NAVD88

HTL & MHW - determined by NOAA Datum (July 2021)

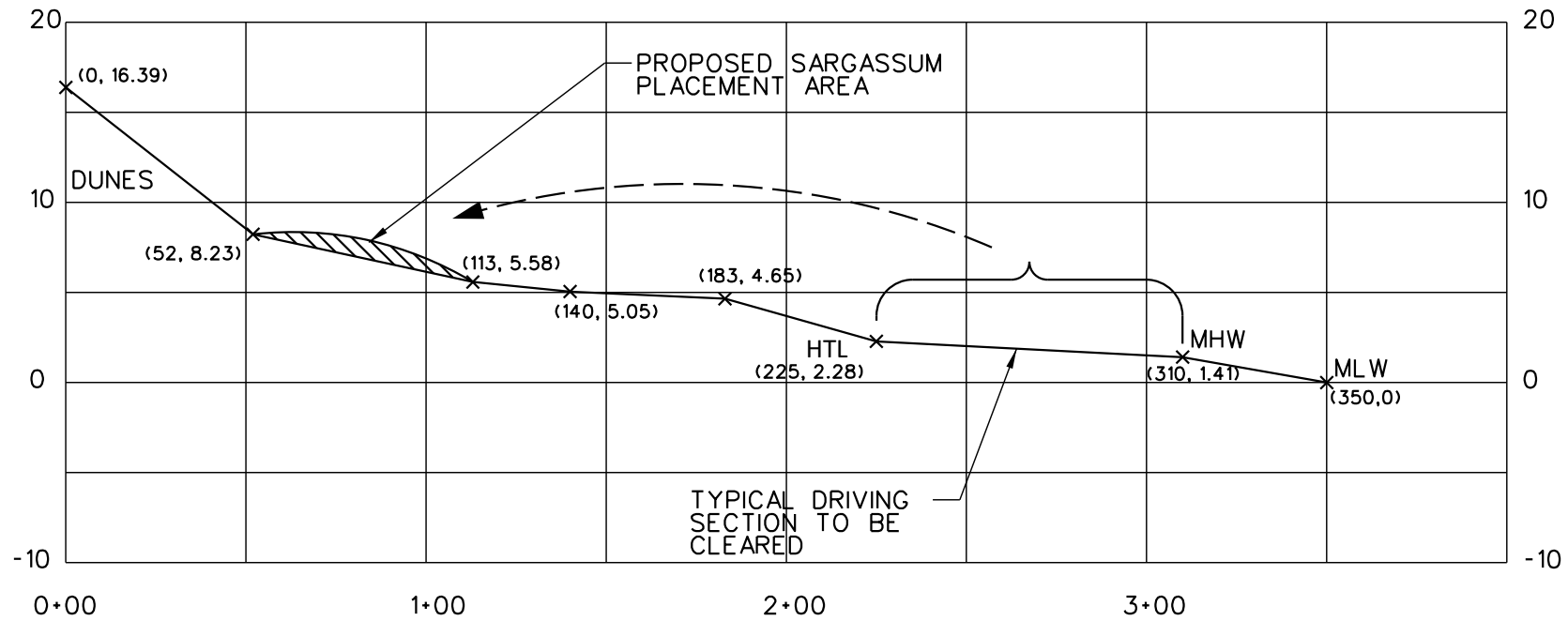
SCALE:  
HOR. 1"=50'  
VERT. 1"=10'



**LEGEND**  
HTL - HIGH TIDE LINE  
MHW - MEAN HIGH WATER  
MLW - MEAN LOW WATER  
NG - NATURAL GROUND

**BEACH ACCESS ROAD 6**  
**(SWG-2011-00362)**

8/31/2021 P:\Clients\Counties\Cameron\Beach Access \*6\Design\11 XSECS\BAR \*6 - Typical Cross Section - JR.dgn



TYPICAL CROSS SECTION

FEBRUARY - AUGUST  
CLEANING / BEACH  
MAINTENANCE

DATUM USED: NAVD88

HTL & MHW - determined by NOAA Datum (July 2021)

SCALE:  
HOR. 1"=50'  
VERT. 1"=10'



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**BEACH ACCESS ROAD 6**  
**(SWG-2011-00362)**