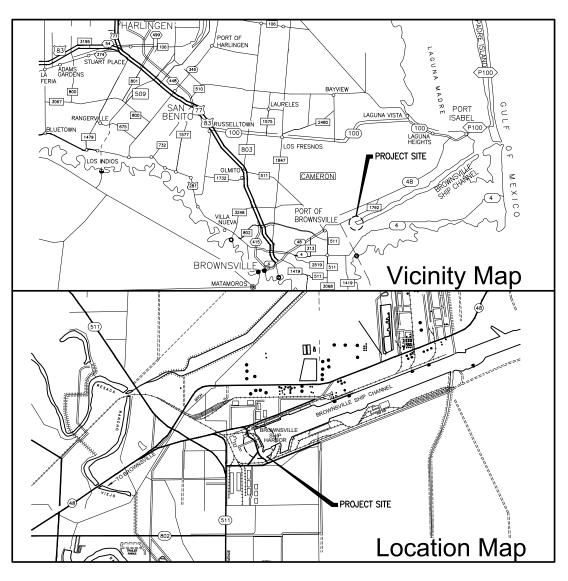


# PORT TO THE BROWNSVILLE

# the port that works



Construction Drawings For

# **Brownsville Navigation District**

Cargo Dock No. 3 Demolition

Project No. 10320226

BROWNSVILLE, TEXAS SEPTEMBER 2023



# **INDEX OF DRAWINGS**

	Brattings
SHEET NO.	SHEET TITLE
01	COVER SHEET AND INDEX
02	GENERAL NOTES, ABBREVIATIONS, AND LEGEND
03	OVERALL SITE, STAGING & STORAGE PLAN
04	EXISTING DEMO SITE PLAN
05	DOCK FAÇILITY EXISTING DEMO PLAN (1 OF 2)
06	DOCK FAÇILITY EXISTING DEMO PLAN (2 OF 2)
07	BEŁOW DECK EXISTING DEMO PLAN
08	EXISTING DEMO SECTIONS
09	EXISTING CONDITIONS PHOTOS 01
10	EXISTING CONDITIONS PHOTOS 02
11	EXISTING CONDITIONS PHOTOS 03
12	EXISTING CONDITIONS PHOTOS 04
13	EXISTING CONDITIONS PHOTOS 05
14	EXISTING CONDITIONS PHOTOS 06

— — COLUMN GRID LINE/CENTERLINE

# GENERAL REQUIREMENTS

- THE DETAILED REQUIREMENTS FOR ALL ITEMS DESCRIBED IN THE GENERAL NOTES ARE CONTAINED IN THE SPECIFICATIONS.
- 2. CONTRACTOR SHALL NOT COMMENCE ANY DEMOLITION OPERATION UNTIL THE CONTRACTOR HAS VERIFIED THAT DEMOLITION / ENVIRONMENTAL PERMITS FOR THIS PROJECT HAVE BEEN ACQUIRED.
- DEMOLITION WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES AND STANDARDS, THE PROJECT SPECIFICATIONS AND PROJECT DRAWINGS. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY OF ANY CONFLICTS BETWEEN STATE AND LOCAL CODES, PROJECT SPECIFICATIONS AND PROJECT DRAWINGS
- CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL ELEVATIONS, COORDINATES, DIMENSIONS, EXISTING CONDITIONS, AND INFORMATION INDICATED ON THE CONTRACT DOCUMENTS PRIOR TO COMMENCEMENT OF SITE WORK. THE OWNER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES FOLIND ON THE CONTRACT DOCUMENTS OR FOUND TO EXIST BETWEEN THE FIELD CONDITIONS AND THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION AS DIRECTED BY THE OWNER.
- CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES THROUGHOUT THE DURATION OF THE PROJECT. COMPLY WITH TEMPORARY ENVIRONMENTAL AND STORM WATER POLLUTION REQUIREMENTS PROVIDED BY OWNER.
- THE LOCATION AND DEPTH OF UTILITIES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR BEFORE WORK COMMENCES. PRIOR TO BEGINNING ANY EXCAVATION WORK IN THE AREA OF EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT THE OWNER FOR EXACT LOCATIONS AND DEPTHS TO PREVENT ANY DAMAGE OR INTERFERENCE WITH PRESENT FACILITIES.
- THE CONTRACTOR SHALL NOTIFY THE TEXAS ONE CALL (811) AND ALL KNOWN UTILITY OWNERS WITHIN THE WORK AREA AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, PILING OR OTHER FOUNDATION DEMOLITION OPERATIONS. THIS ACTION HOWEVER. SHALL IN NO WAY BE INTERPRETED AS RELIEVING THE CONTRACTOR OF THE RESPONSIBILITY UNDER THE TERMS OF THE CONTRACT AS SET OUT IN THE PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY HIS OPERATIONS AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE UTILITY
- CONTRACTOR SHALL COORDINATE WITH THE OWNER AND PROVIDE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES DURING THE COURSE OF THE CONSTRUCTION PERIOD.
- CONTRACTOR TO COORDINATE WITH LOCAL PILOT AND PORT OF BROWNSVILLE ON MARINE TRAFFIC/MOVEMENTS SCHEDULES WHICH MAY AFFECT DEMOLITION, NOTE THAT SHIP MOVEMENTS MAY CAUSE TEMPORARY CURRENT/WAKES THAT AFFECT MARINE ACTIVITIES.
- 10. CONTRACTOR SHALL MAINTAIN ALL REGULATORY AND WARNING SIGNS DURING THE DEMOLITION PERIOD
- 11. CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO NOT INTERFERE WITH, OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC AND THE DAILY OPERATION OF THE OWNER DURING THE COURSE OF THE WORK.
- 12. ALL EXISTING FEATURES OF THE PROJECT SITE TO REMAIN WHICH ARE DAMAGED BY THE CONTRACTOR DURING HIS OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- 13. WORKER SAFETY IN EXCAVATIONS AND TRENCHES SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS, 29 CFR 1926, SUBPART P - EXCAVATIONS, TRENCHING, AND SHORING. CONTRACTOR SHALL ALSO COMPLY WITH ALL APPLICABLE STATE AND LOCAL REQUIREMENTS, A COPY OF THE GEOTECHNICA REPORT CAN BE OBTAINED FROM THE OWNER FOR USE BY THE CONTRACTOR IN THE DESIGN OF ANY TRENCH SAFETY SYSTEM(S).
- 14. CONTRACTOR, SUBCONTRACTORS AND OTHER CONTRACTED ENTITIES SHALL SUCCESSFULLY COMPLETE ALL THE TRAINING COURSES AND REQUIREMENTS REQUIRED BY OWNER IN ORDER TO ACCESS THE PROJECT SITE AND CARRY OUT THE CONTRACTED WORK. CONTRACTOR SHALL POSSESS ALL THE REQUIRED IDENTIFICATION DOCUMENTS AND SHALL ACCESS THE PROJECT SITE THROUGH OWNER SECURITY CHECK POINT AND FOLLOW OWNER'S CHECK-IN/-OUT PROCEDURE ON A DAILY BASIS THE IDENTIFICATION DOCUMENTS INCLUDE AS A MINIMUM VALID TRANSPORTATION WORKER IDENTIFICATION CREDENTIAL (TWIC®) CARD AND VALID DRIVER'S LICENSE.
- 15. CONTACT OWNER FOR TRAINING INFORMATION, ACCESS AND PARKING REQUIREMENTS:
- 16. HARBOR MASTER OFFICE, (956) 831-8256 / MARINE VHF RADIO CHANNEL 16

# HORIZONTAL AND VERTICAL CONTROL:

- 1. TOPOGRAPHIC SURVEY WAS PERFORMED BY MEJIA AND ROSE, INC., DATED OCTOBER 11, 2021.
- 2. BATHYMETRIC SURVEY DATA IS BASED ON NAISMITH MARINE SERVICES SURVEY DATED JANUARY 22 2021
- 3. COORDINATES SHOWN ARE STATE PLANE GRID, TEXAS SOUTH ZONE, NAD' 83 IN U.S.
- 4. ALL ELEVATIONS SHOWN REFER TO NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD
- 5. MONUMENT USED FOR HORIZONTAL AND VERTICAL CONTROL IS AS FOLLOWS "CP1" (535 R/L 1948 89+679.68)
  - N 16.509.591.45'
  - E 1,344,712.65'

EL. +13.8' NAVD88 (+15.0' MLT) REFERENCE MONUMENT "ZIMCO"

- N 16,518.058.49
- E 1.366,219,45'
- EL. +6.6' NAVD88

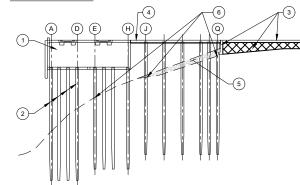
# HORIZONTAL AND VERTICAL CONTROL (CONTINUED):

WATER LEVEL	DATUM (FT)			
WATER LEVEL	NAVD 88	USACE MLLW	USACE MLT	
MEAN HIGHER HIGH WATER (MHHW)	+0.35	+1.50	+1.55	
MEAN LOWER LOW WATER (MLLW)	-1.15	0.0	+0.05	
NORTH AMERICAN VERTICAL DATUM (NAVD88)	0.0	+1.15	+1.20	
USACE MEAN LOW TIDE (MLT)	-1.20	-0.05	0.0	

TIDAL DATA SHOWN IS BASED ON VIDATUM, AN ONLINE TOOL DEVELOPED JOINTLY BY NOAA'S (NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION) NATIONAL GEODETIC SURVEY (NGS), OFFICE OF COAST SURVEY (OCS), AND CENTER FOR OPERATIONAL OCEANOGRAPHIC PRODUCTS AND SERVICES (CO-OPS).

WATER SURFACE ELEVATIONS AND WAVE HEIGHTS AT THE SITE WILL BE AFFECTED BY RAINFALL WIND DIRECTION VELOCITY AND DURATION CHANNEL TRAFFIC AND DAILY TIDAL FLUCTUATIONS. TROPICAL WEATHER EVENTS, SUCH AS TROPICAL STORMS AND HURRICANES, CAN GREATLY AFFECT BOTH WATER SURFACE ELEVATIONS AND WAVE

# DEMOLITION SEQUENCE:



## THE DEMOLITION SEQUENCE IS AS FOLLOWS:

- DEMOLISH WATERSIDE DOCK SUPERSTRUCTURE OVER PILE ROWS A-H AND THE ENTIRE LENGTH OF THE RAIL TRESTLE SUPERSTRUCTURE
- FULLY EXTRACT DOCK PILES FOR ROWS A-D AND TRESTLE PILES FOR COLUMN T1.
- THEN CUT REMAINING DOCK AND TRESTLE PILES AT THE MUDLINE AND REMOVE. TERMINATE WATER, ELECTRICAL, AND SEWER ON PORTIONS TO BE DEMILISHED AND REMOVE DOCK HOUSE AND POLES ON LANDSIDE FOUNDATION.
- DEMOLISH ELEVATED LANDSIDE PLATFORM AND EXCAVATE DOWN TO REMOVE
- EXISTING RETAINING WALL. DEMOLISH THE REMAINING DOCK SUPERSTRUCTURE.
- REMOVE THE EXISTING RIP RAP AND STORE ON SITE AS DIRECTED BY OWNER
- CUT OFF PILES ON ROWS J-Q AT MUDLINE. REMOVE AND CLEAR ALL DEBRIS FROM THE MUDLINE
- DEMOLISH LANDSIDE FACILITIES AND FEATURES AS SHOWN ON DRAWINGS.

THE CONSTRUCTION SEQUENCE ABOVE IS GENERAL IN NATURE. THE CONTRACTOR HAS THE OPTION OF PROPOSING AN ALTERNATIVE CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL SUBMIT HIS ALTERNATIVE CONSTRUCTION SEQUENCE TO THE OWNER FOR REVIEW PRIOR TO CONSTRUCTION.

# PROJECT CONSTRUCTION VIBRATION MONITORING

THE CONSTRUCTION WORK FOR THIS PROJECT WILL PRODUCE VIBRATIONS WHICH MAY EFFECT NEARBY EXISTING STRUCTURES, EARTHEN BERMS AND/OR SLOPE TERRAIN. THE CONTRACTOR IS REQUIRED TO MONITOR THE VIBRATIONS ON EXISTING ELEMENTS WHICH MAY BE AFFECTED ACCORDING TO PROJECT SPECIFICATION 02 22 13 CONSTRUCTION VIBRATION MONITORING.

# DEMOLITION AND SALVAGE:

- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING LANDSIDE, WATERSIDE, AND SUBMERGED STRUCTURES ON THE SITE AS SHOWN ON THE DRAWINGS. THE APPROXIMATE LOCATION AND EXTENT OF THESE STRUCTURES HAVE BEEN SHOWN ON THE DRAWINGS.
- NOTIFY THE HARBOR MASTER. PORT OF BROWNSVILLE SECURITY, AND THE UNITED STATES COAST GUARD PRIOR TO COMMENCING WATERSIDE DEMOLITION WORK
- COORDINATE AND SCHEDULE ALL DEMOLITION WITH THE OWNER AND HARBORMASTER TO CAUSE MINIMAL INTERRUPTION TO MARINE TRAFFIC AND MAINTAIN COORDINATION THROUGHOUT THE WATERSIDE DEMOLITION WORK
- DEMOLITION OF EXISTING FACILITIES, UNLESS NOTED OTHERWISE, SHALL BECOME E PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF LEGALLY AND
- 5. ALL TIMBER, CONCRETE, STEEL AND OTHER DEBRIS SHALL BE HAULED OFF SITE AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE. EXCAVATED SOIL AND ROCK SHALL BE DISPOSED OF AS DIRECTED BY OWNER AT THE
- EXPENSE OF THE CONTRACTOR. CONCRETE DECKING SHOULD BE REMOVED IN MANAGEABLE SECTIONS. ANY CONCRETE DROPPED OVERBOARD SHALL BE RETRIEVED AND DISPOSED OF

# DEMOLITION AND SALVAGE (CONTINUED):

- 8. MATERIALS TO BE SALVAGED FOR THE OWNER'S USE ARE AS FOLLOWS:
  - A. STREET AND DOCK SIGNAGE
- B. SHORELINE RIP-RAP
- C1. BASE BID: EXCLUDING SHORELINE RIPRAP, CONTRACTOR TO REMOVE ALL DEMOLISHED CONCRETE MATERIALS/DEBRIS (REGARDLESS OF SIZE) FROM DOCK AND TRANSPORT TO STORAGE WITHIN 3 MILE RADIUS FROM PROJECT SITE, NO PROTRUDING STEEL REINFORCEMENT IS TO REMAIN IN STORED CONCRETE DEBRIS MEASURING LESS THEN 8 INCHES IN ANY DIMENSION.
- C2. ALTERNATE BID: AT THE STORAGE SITE FOR REMOVED CONCRETE MATERIALS, CONTRACTOR TO CUT DOWN CONCRETE TO MAXIMUM 36" DIMENSION AND CUT/REMOVE AND DISPOSE PROTRUDING REINFORCEMENT FLUSH WITH CONCRETE EDGES
- MATERIALS TO BE SALVAGED SHALL BE STOCKPILED IN THE AREA AS DIRECTED BY. STOCKPILED MATERIALS SHALL BE PLACED ON TIMBER SLEEPERS A MINIMUM OF 4-INCH ABOVE GROUND SURFACE AND SHALL BE ADEQUATELY SUPPORTED UNLESS OTHER STORAGE METHOD IS PRE-APPROVED BY OWNER.
- 10. ALL VISIBLE PILING HAVE BEEN SHOWN IT IS POSSIBLE THAT THERE ARE PILES BROKEN OF BELOW THE WATER AND/OR GROUND SURFACE AND/OR MUDLINE THAT ARE NOT VISIBLE.

  CONTRACTOR TO NOTIFY OWNER AND PROCEED AS DIRECTED. CONTRACTOR SHALL COMPLY WITH ALL WATER QUALITY AND POLLUTION PREVENTION REGULATIONS, INCLUDING USE OF SILT CURTAINS AND FLOATING BOOMS.
- 11. PILING SHALL NOT BE FULLY EXTRACTED UNLESS SHOWN OTHERWISE ON THE DRAWINGS OR SPECIFIC WRITTEN PERMISSION OF THE OWNER IS PROVIDED TO CONTRACTOR. 12 JETTING EXTRACTION METHODS FOR PILE REMOVAL ARE NOT ALLOWED LINESS NOTED OR
- APPROVED OTHERWISE IN WRITING BY OWNER.
- CONTRACTOR SHALL PERFORM A POST-DEMOLITION DIVE SURVEY TO CONFIRM THAT ALL SUBMERGED STRUCTURES/DEBRIS HAVE BEEN REMOVED WITHIN THE WORK LIMITS. SUBMIT THE DIVE REPORT FOR ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATION 02 41 00 - DEMOLITION FOR ADDITIONAL REQUIREMENTS INCLUDING THE PERFORMANCE OF BATHYMETRIC SURVEY.
- 14. ALL CONFIRMATION SURVEYS AND TESTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF SUBMITTALS DO NOT INDICATE WORK HAS BEEN SUCCESSFULLY COMPLETED. CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS AND PERFORMANCE OF ALL SUBSEQUENT TEST AND SURVEYS.

- AREAS TO SERVE AS STORAGE AND/OR LAYDOWN SHALL BE CLEARED TO REMOVE ALL VEGETATION.
- 2. TRANSITIONS IN GRADES DUE TO EXCAVATION AND DEMOLITION WORKS SHALL BE SMOOTH AND
- THE AREA SURROUNDING THE CONCRETE PAVING AND WORK LIMITS SHALL BE GRADED IN SUCH A MANNER THAT RAINWATER DOES NOT POND WITHIN THE WORK LIMITS. RUNOFF SHALL BE DIVERTED AROUND THE PROJECT LIMITS BY MEANS OF PROPER GRADING.
- EROSION CONTROL AND STABILIZATION MEASURES SHALL BE UTILIZED UPON RESTORATION OF DISTURBED AREAS AT AND AROUND RAIL TRESTLE AND INTERNATIONAL SEAFARER CENTER MEASURES CAN INCLUDE SEEDING WITH MATS AND SODDING

# REFERENCE DATA

EXST

- HDR REPORT "GEOTECHNICAL ANALYSES AND RECOMMENDATIONS REPORT, CARGO DOCK 3 PHASE 1 DESIGN, BROWNSVILLE NAVIGATION DISTRICT, BROWNSVILLE, TX, DECEMBER 22, 2021.
- ORIGINAL DESIGN DRAWINGS OF CARGO DOCK 3 IN SPECIFICATION 02 41 00.
- TOPOGRAPHIC SURVEY PERFORMED BY MEJIA AND ROSE, INCORPORATED DATED OCTOBER 11
- 4. DIVE REPORT "BROWNSVILLE NAVIGATION DISTRICT CARGO DOCK #3, DEBRIS REPORT CONDUCTED BY INDEPTH DIVING SERVICES LLC. ON OCTOBER 19, 2021 IN SPECIFICATION 02 41 00.

# **ABBREVIATIONS**

ı		, ,				
ſ	ABAN	ABANDON	FIG	FIGURE	OAL	OUTSIDE DIAMETER
ı	ADJ	ADJUSTABLE, ADJACENT	FN	FENCE	ОН	OVERHEAD
ı	AGGR	AGGREGATE	FOC	FACE OF CONCRETE.	OPNG	OPENING
ı	ALIG	ALIGNMENT		FACE OF CURB	OPP	OPPOSITE
ı	AP	ACCESS PANEL	FT	FEET, FOOT		
ı	APRX	APPROXIMATE			NIC	NOT IN CONTRACT
ı	AVE	AVENUE	GALV	GALVANIZED	_	
ı			GEN	GENERAL	PED	PEDESTAL
ı	BLDG	BUILDING	GND	GROUND	PL	PLATE, PROPERTY LINE,
ı	BOT	BOTTOM	GR	GRADE	PRELIM	PRELIMINARY
ı	BTW	BETWEEN	GVL	GRAVEL	PROP	PROPERTY, PROPOSED
ı					PT	POINT
ı		CENTER TO CENTER	HORIZ	HORIZONTAL	PVC	POLYVINYL CHLORIDE
ı	CE	CONCRETE EDGE	HT	HEIGHT	PVMT	PAVEMENT
ı	CI	CURB INLET				
ı	CL	CENTERLINE	IN	INCH	QTY	QUANTITY
ı	CLR	CLEAR	INC	INCLUDE		
ı		COMMUNICATION			R&S	REMOVE AND SALVAGE
ı	CONC	CONCRETE	JT	JOINT	REF	REFERENCE
ı		CONNECTION			REINF	REINFORCING
ı	CONT	CONTINUOUS	LF	LINEAR FOOT	REM	REMOVE
ı	CTR	CENTER	LG	LONG	REQD	REQUIRED
ı	CVT	CULVERT	LIN	LINEAR	REV	REVISION
ı			LOC	LOCATION	RND	ROUND
ı	DEMO	DEMOLITION	l		ROW	RIGHT-OF-WAY
ı	DET	DETAIL	MAINT	MAINTENANCE	RR	RAILROAD
ı	DIA	DIAMETER	MATL	MATERIAL	0011	OOLIEDIJI E
ı	DIFF	DIFFERENTIAL, DIFFERENCE	MAX	MAXIMUM	SCH	SCHEDULE
ı	DIM	DIMENSION	MECH MH	MECHANICAL	SECT SEP	SECTION
ı	DWG	DRAWING	MIN	MANHOLE MINIMUM	SHT	SEPARATE SHEET
ı	EA	EACH	MIR	MIRROR	SIM	SIMILAR
ı	EJ	EXPANSION JOINT	MISC	MISCELLANEOUS	SL	SLOPE
ı	EL	ELEVATION	MON	MONUMENT	SOG	SLAB ON GRADE
ı	EMBD	EMBEDDED	IVIOIN	WONOWENT	SPA	SPACING
ı	ENTR	ENTRANCE	l <sub>N</sub>	NORTH	SPEC	SPECIFICATION
ı	EOP	EDGE OF PAVEMENT	NA NA	NOT APPLICABLE	ST	STREET
I	EQ	EQUAL	NIC	NOT IN CONTRACT	STA	STATION
۱	EQUIP		NTS	NOT TO SCALE	STD	STANDARD
I	EQUIV	EQUIVALENT	l		STL	STEEL
I	EXC	EXCAVATION			STOR	STORAGE
I	EYD	EXPANSION EXPOSED	l		0.510	0.0.0.02

# ABBREVIATIONS (CONTINUED)

TEMPORARY BENCHMARK TEMPORARY TOC TOPO TRANS TRD TYP TOP OF CURB. TOP OF CONCRETE TOPOGRAPH

TRANSITION TRENCH DRAIN TYPICAL

UNO UTIL UNLESS NOTED OTHERWISE

WORKING POINT

VIF VERIFY IN FIELD WITHOLIT

# ABBREVIATION NOTES:

- 1 THESE ARREVIATIONS APPLY TO THE ENTIRE SET
- 2. LISTING OF ABBREVIATIONS DOES NOT IMPLY THAT ALL ABBREVIATIONS ARE USED IN THE CONTRACT
- 3 ARBREVIATIONS SHOWN ON THIS SHEET INCLUDE VARIATIONS OF A WORD. FOR EXAMPLE, "MOD" MAY MEAN MODIFY OR MODIFICATION; "INC" MAY MEAN INCLUDED OR INCLUDING AND "REINF" MAY MEAN EITHER REINFORCE OR REINFORCING.

# MATERIALS IN PLAN/SECTION



PLAN NORTH

EARTH (SECTION)

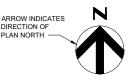
GRANULAR FILL (SECTION)

RIPRAP (PLAN AND/OR SECTION)

# EXISTING FENCE +++++++++++++++++ RAILROAD BOTTOM OF DITCH PROPERTY LINE — — — — EASEMENT - LIMITS OF CONSTRUCTION FENCE - WOOD \_\_SF\_\_\_SF\_\_\_ — — — — TOE OF SLOPE TOP OF SLOPE — ☐ HIGHWAY GUARDRAIL - LEVEE TOP ---- LEVEE TOE **GENERAL NOTES:** 1. THIS IS A STANDARD SHEET SHOWING COMMON

- SYMBOLOGY, ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
- 2. SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO
  DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK REFER TO CONTEXT OF EACH SHEET FOR USAGE

# **GENERAL SYMBOLOGY**



**NORTH ARROW** 





SECTION CUT MARKER





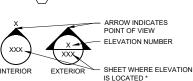
FOR REFERENCING DETAILS INCLUDED IN DRAWING SET

- DETAIL NUMBER DETAIL - SHEET WHERE DETAIL IS LOCATED **DETAIL TITLE** - ELEVATION IDENTIFICATION

NUMBER X ELEVATION 3" = 1'-0" SHEET WHERE POINT OF VIEW MARKER CAN BE FOUND 1 **ELEVATION TITLE** 



KEY NOTE DESIGNATION KEY NOTE NUMBER



SINGLE ELEVATION OR PHOTO MARKER

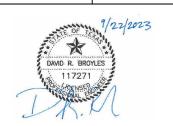
\* EXCEPTIONS WHERE THE SHEET NUMBER IS REPLACED BY A DASH (-

1) FOR COMMON DETAILS, SECTIONS, ELEVATIONS OR DETAILS THAT ARE CUT OR CALLED OUT ON MULTIPLE SHEETS.

SECTIONS, ELEVATIONS OR DETAILS THAT ARE LOCATED ON THE SAME SHEET THEY ARE CUT OR CALLED OUT ON.

TBPELS Firm Registration No. F-754

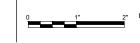
PROJECT MANAGER K. M. WUND DESIGNED BY D. R. BROYLES DRAWN BY VILLARREAL CHECKED BY A. McCOY A 09/22/2023 "ISSUED FOR BID" ISSUE DATE PROJECT NUMBER 10320226 DESCRIPTION





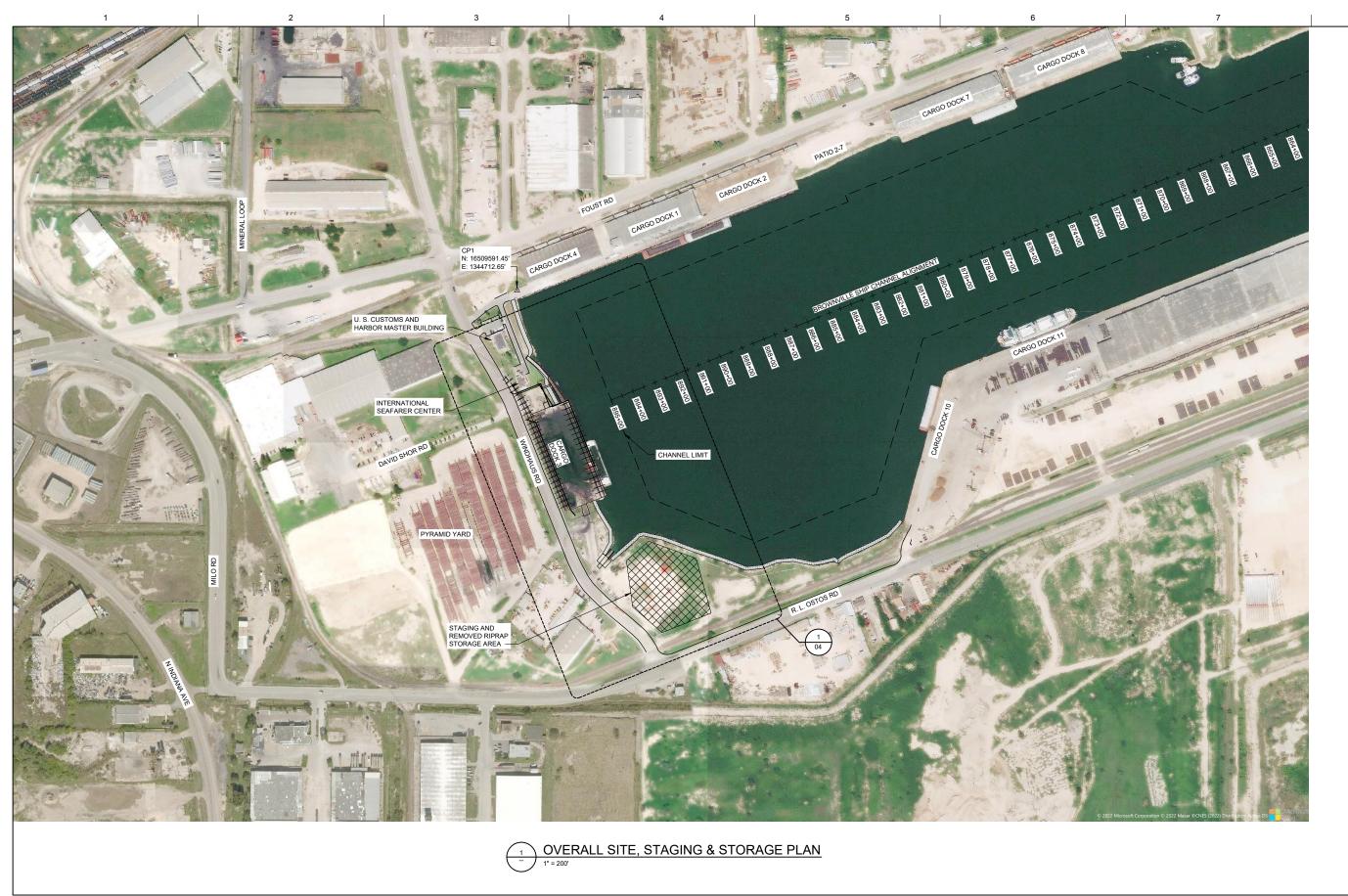
**CARGO DOCK 3 DEMOLITION** 

**GENERAL NOTES, ABBREVIATIONS, AND LEGEND** 



FILENAME 00G-02.dwa SCALE N/A

SHEET 02



PORT OF BROWNSVILLE
the port that works

CARGO DOCK 3
DEMOLITION

**OVERALL SITE, STAGING & STORAGE PLAN** 



LENAME 00G-03.dwg

SCALE 1" = 200'

оз 03

HDR Engineering, INC TBPELS Firm Registration No. F-754

			PROJECT MANAGER	K. M. WUNDT	
			DESIGNED BY	D. R. BROYLES	ı
			DRAWN BY	A. VILLARREAL	
			CHECKED BY	S. A. McCOY	
Α	09/22/2023	"ISSUED FOR BID"			
SSUE	DATE	DESCRIPTION	PROJECT NUMBER	10320226	

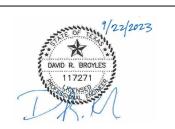
DAND R. BROYLES

892+00 893+00 894+00 CHANNEL LIMIT 1 05 BOAT SLIP AND WOOD DOCKS INTERNATIONAL SEAFARER CENTER WINDHAUS RD RAIL SPUR U. S. CUSTOMS AND HARBOR MASTER BUILDING

EXISTING/DEMO SITE PLAN

TBPELS Firm
Registration No. F-754

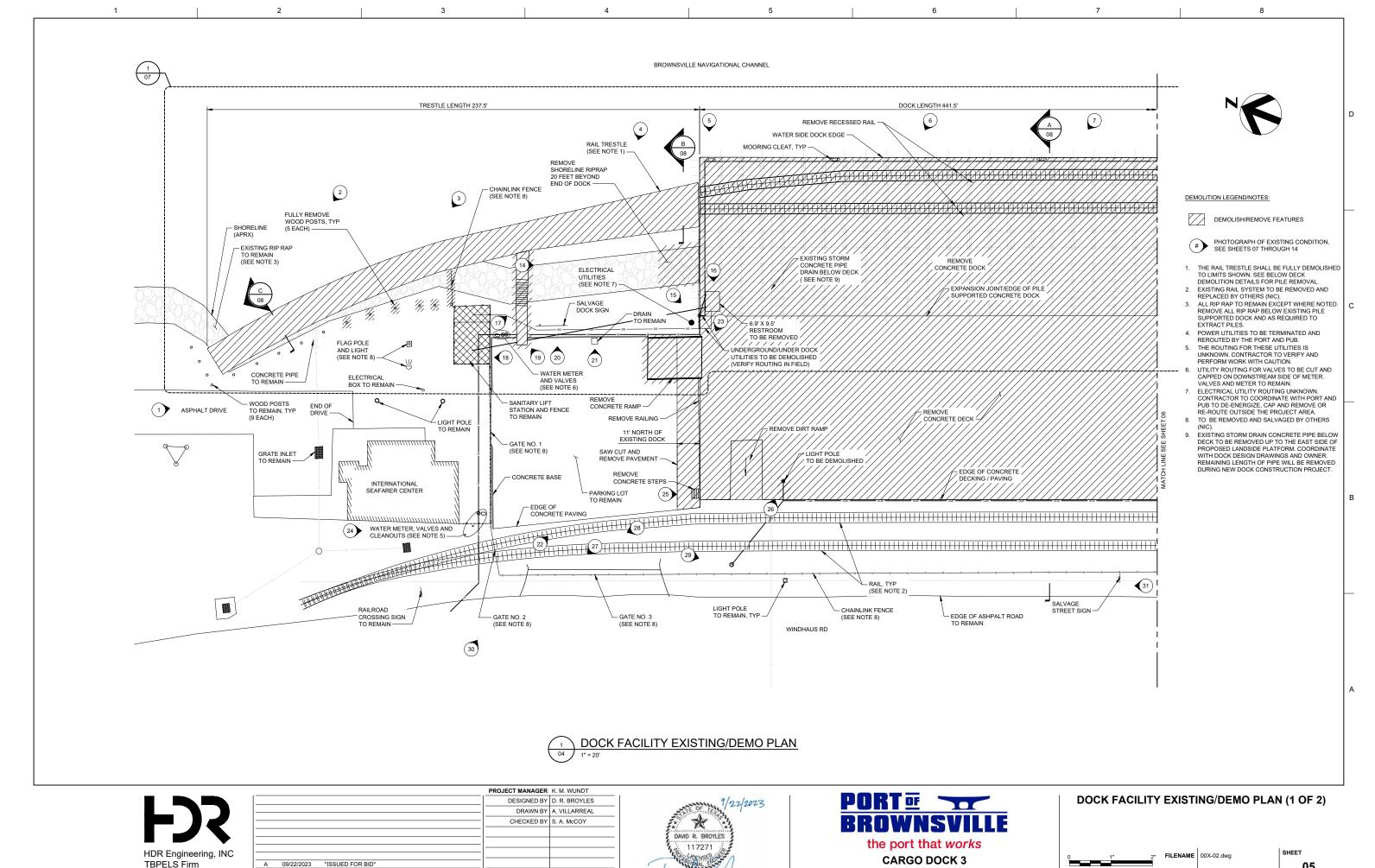
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10320226
A	09/22/2023	"ISSUED FOR BID"		
			CHECKED BY	S. A. McCOY
			 DRAWN BY	A. VILLARREAL
			DESIGNED BY	D. R. BROYLES
			PROJECT MANAGER	K. M. WUNDT





# **EXISTING/DEMO SITE PLAN**

00X-0	FILENAME	2"	1"		
1" = 6	SCALE	=			



ISSUE DATE

Registration No. F-754

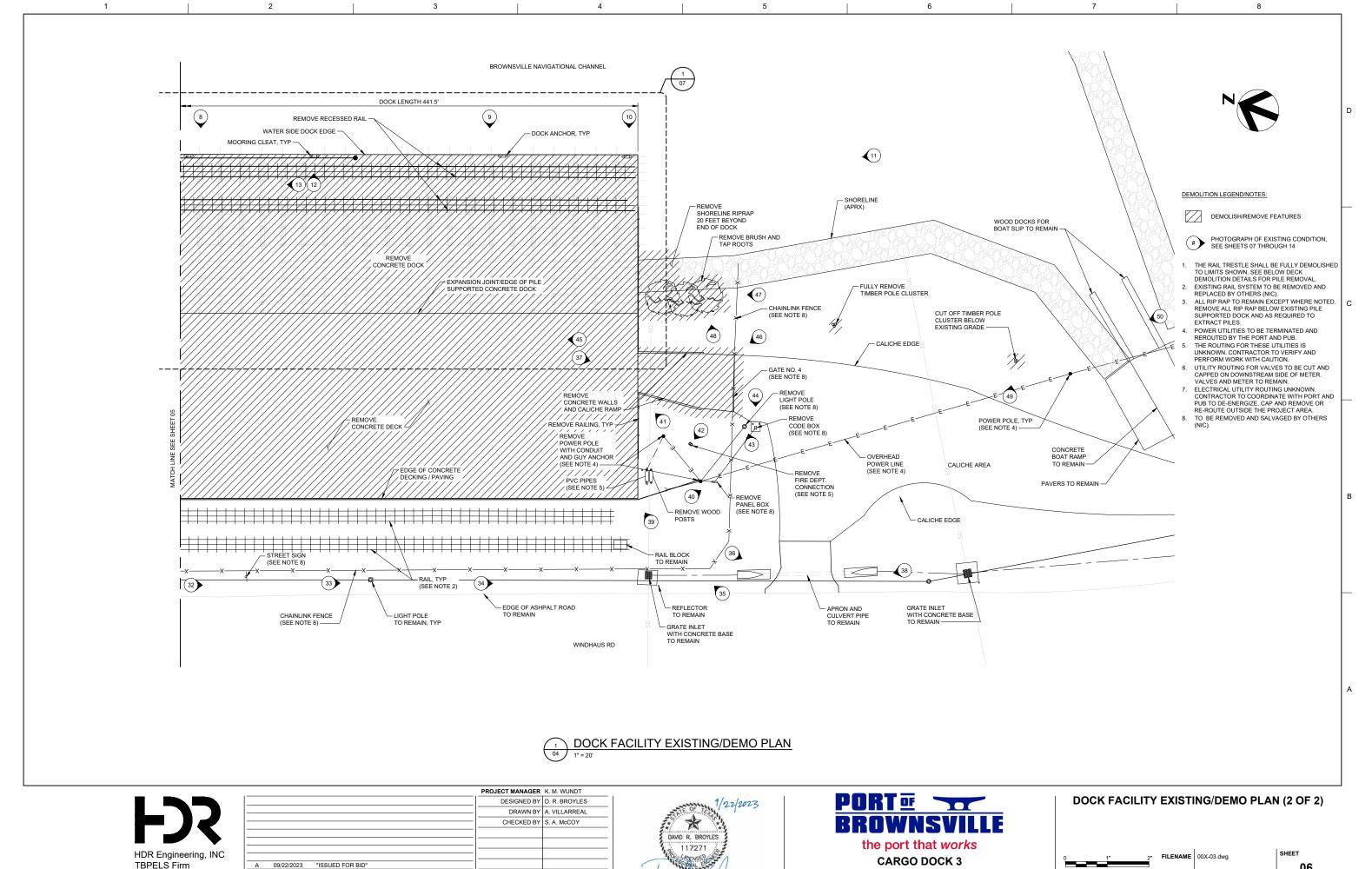
DESCRIPTION

PROJECT NUMBER 10320226

05

SCALE 1" = 20'

**DEMOLITION** 



ISSUE DATE

Registration No. F-754

DESCRIPTION

PROJECT NUMBER 10320226

06

SCALE 1" = 20'

**DEMOLITION** 

BROWNSVILLE NAVIGATION CHANNEL FULLY EXTRACT 16" SQUARE CONCRETE PILES AT EXISTING GRADE MUDLINE AND REMOVE (GRID (A) TO GRID (D) - 178 EACH) RAIL TRESTLE PILES | DOCK PILES -(M)

CARGO DOCK NO. 3

LANDSIDE DOCK AREA

BROWNSVILLE NAVIGATION CHANNEL CUT 16" SQUARE CONCRETE PILES AT EXISTING GRADE/MUDLINE RAIL TRESTLE PILE NOTES: PRIOR TO PILE REMOVAL, CONTRACTOR SHALL SURVEY ALL RAIL TRESTLE PILE LOCATIONS (GRID T1 THRU T24 ALONG WITH DOCK GRID 45) AND SUBMIT DATA FILE AND ELECTRONIC DRAWING SIGNED AND SEALED BY LICENSED LAND SURVEYOR IN

- EXISTING STORM DRAIN CONCRETE PIPE BELOW DECK TO BE REMOVED UP TO THE EAST SIDE OF

PROPOSED LANDSIDE PLATFORM COORDINATE

WITH DOCK DESIGN DRAWINGS AND OWNER.
REMAINING LENGTH OF PIPE WILL BE REMOVED DURING NEW DOCK CONSTRUCTION PROJECT

BELOW DECK EXISTING/DEMO PLAN

TEXAS TO THE OWNER FOR RECORD.

2. PILE QUANTITIES AND SPACINGS ARE ESTIMATED ON RAIL TRESTLE.

# LEGEND:

 $-\sqrt{5}$ 

- PILE TO BE FULLY EXTRACTED AND REMOVED. JETTING PERMITTED, SEE SPECIFICATION 02 41 00 FOR LIMITATIONS. FILLING OF VOIDS NOT REQUIRED.
- PILE TO BE CUT AT EXISTING MUDLINE AND REMOVED

REMOVE SHORELINE RIP-RAP AND/OR MISCELLANEOUS DEBRIS

AREA TO BE CLEARED OF ALL OBSTRUCTIONS FOR FUTURE PILE DRIVING OPERATIONS

PHOTOGRAPH OF EXISTING CONDITION, SEE SHEETS 07 THROUGH 14

THE ITEMS IDENTIFIED BELOW SHALL BE REMOVED ACCORDING TO DEMOLITION REQUIREMENTS SPECIFIED. THESE ITEMS ARE ALSO IDENTIFIED IN DIVE REPORT "BROWNSVILLE NAVIGATION DISTRICT CARGO DOCK #3, DEBRIS REPORT" CONDUCTED BY INDEPTH DIVING SERVICES LLC. ON OCTOBER 19, 2021 PROVIDED IN SPECIFICATION 02 41 00

(1.) RIP RAP

(2.) 3" x 30" STEEL PIPE

(3.) 2" x 12" FLAT BAR

4. 18" x 18" x 12' TIMBER BOAT BUMPER

(5.) 12" x 24" FLAT PLATE

(6.) 18" x 18" x 12' TIMBER BOAT BUMPER

(7.) 12" x 12" WOOD PLANK

(8.) 18" x 18" x 12' TIMBER BOAT BUMPER

(9.) 18" x 18" x 12' TIMBER BOAT BUMPER

(10.) BROKEN PILE

(11.) 6" x 48" I-BEAM

(12) 2" MOORING LINE

(13.) 2" MOORING LINE (14.) TRIANGULAR 60" PLATE

(15.) 6" x 6' STEEL PIPE

(17.) 8" x 4' STEEL PIPE

(18.) 24" FLAT TRIANGULAR PLATE

(19.) 6" x 6' STEEL PIPE

20. CONCRETE FRAGMENT 60" x 72"

21) 12" x 3' STEEL PILE PAIR

22. 6" x 48" STEEL PIPE 23. 6" x 48" STEEL PIPE

24) 12" METAL SHEET

25. 6" STEEL PIPE

26. 6" STEEL PIPE

27 6" ANGLE IRON

28. 6" ANGLE IRON

29. SHEET METAL

30. 12" x 3' SHEET PILE PAIR

31) 16" x 40' CONCRETE DRAIN PIPE

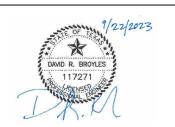
(16.) 6" x 2' PVC PIPE

TBPELS Firm Registration N

- FULLY EXTRACT 16" SQUARE CONCRETE PILES AT GRID (T1)

RAIL TRESTLE. (4) TOTAL

			PROJECT M	ANAGER	K. M. WUNDT
			DESI	GNED BY	D. R. BROYLE
_			DI	RAWN BY	A. VILLARREA
			CHE	CKED BY	S. A. McCOY
_					
4	09/22/2023	"ISSUED FOR BID"			
Ε	DATE	DESCRIPTION	PROJECT	NUMBER	10320226





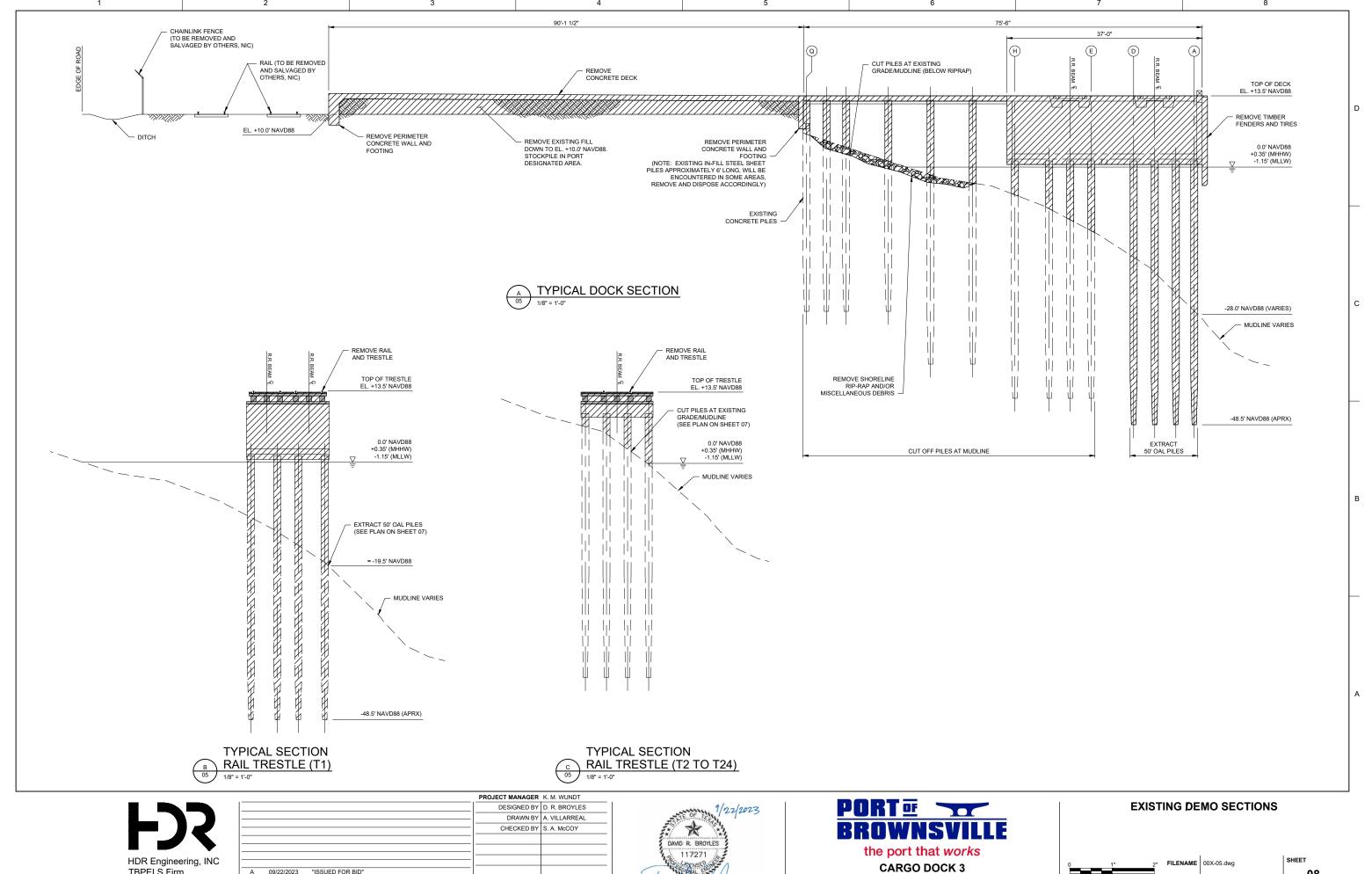
**DEMOLITION** 

CUT 16" SQUARE CONCRETE PILES

AT EXISTING GRADE MUDLINE AND REMOVE (GRID © 100 Q - 430 EACH)

**BELOW DECK EXISTING/DEMO PLAN** 

FILENAME 00X-04.dwa SCALE 1" = 20'



TBPELS Firm

Registration No. F-754

A 09/22/2023 "ISSUED FOR BID"

DESCRIPTION

PROJECT NUMBER 10320226

ISSUE DATE

**DEMOLITION** 

SCALE 1/8" = 1'-0"

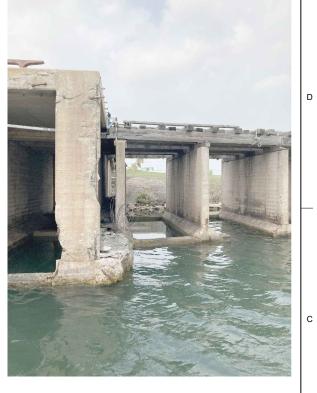
1 2 3 4 5 6 7 8











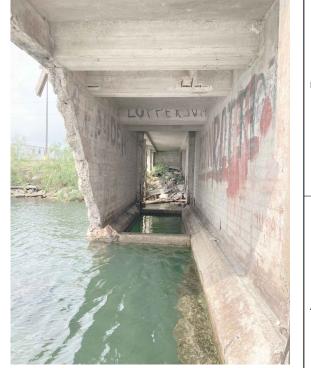
<u>PHOTO 1</u> <u>PHOTO 2</u> <u>PHOTO 3</u> <u>PHOTO 4</u> <u>PHOTO 5</u>











<u>PHOTO 6</u> <u>PHOTO 7</u> <u>PHOTO 8</u> <u>PHOTO 9</u> <u>PHOTO 10</u>

HDR Engineering, INC TBPELS Firm Registration No. F-754

				PROJECT MANAGER	K. M. WUNDT
				DESIGNED BY	D. R. BROYLES
				DRAWN BY	A. VILLARREAL
				CHECKED BY	S. A. McCOY
l					
A	09/22/2023	"ISSUED FOR BID"			
ISSUE	DATE	DESCRIPTION		PROJECT NUMBER	10320226
•			·		'





**EXISTING CONDITIONS PHOTOS 01** 



1 2 3 4 5 6 7











<u>PHOTO 11</u> <u>PHOTO 12</u> <u>PHOTO 13</u> <u>PHOTO 14</u> <u>PHOTO 15</u>







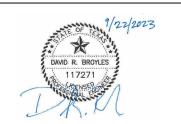




<u>PHOTO 16</u> <u>PHOTO 17</u> <u>PHOTO 18</u> <u>PHOTO 19</u> <u>PHOTO 20</u>

HDR Engineering, INC TBPELS Firm Registration No. F-754

				PROJECT MANAGER	K. M. WUNDT
				DESIGNED BY	D. R. BROYLES
				DRAWN BY	A. VILLARREAL
			_	CHECKED BY	S. A. McCOY
Α	09/22/2023	"ISSUED FOR BID"			
ISSUE	DATE	DESCRIPTION		PROJECT NUMBER	10320226
					,





**EXISTING CONDITIONS PHOTOS 02** 

0 1" 2" FILEI

SHEET 1











PHOTO 24 PHOTO 25 PHOTO 21 PHOTO 22 PHOTO 23











<u>PHOTO 26</u> <u>PHOTO 27</u> PHOTO 28 **PHOTO 29** PHOTO 30

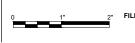


			PROJECT MANAGER	K. M. WUNDT
			DESIGNED BY	D. R. BROYLES
			 DRAWN BY	A. VILLARREAL
			CHECKED BY	S. A. McCOY
Α	09/22/2023	"ISSUED FOR BID"		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10320226









David Rd









<u>PHOTO 31</u> <u>PHOTO 32</u> <u>PHOTO 33</u> <u>PHOTO 34</u> <u>PHOTO 35</u>







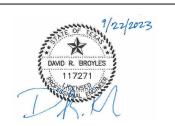




<u>PHOTO 36</u> <u>PHOTO 37</u> <u>PHOTO 38</u> <u>PHOTO 39</u> <u>PHOTO 40</u>

HDR Engineering, INC TBPELS Firm Registration No. F-754

			PROJECT MANAGER	K. M. WUNDT
			DESIGNED BY	D. R. BROYLES
			 DRAWN BY	A. VILLARREAL
			 CHECKED BY	S. A. McCOY
A	09/22/2023	"ISSUED FOR BID"		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10320226







1" 2" FIL

SHEE

1 2 3 4 5 6 7 8







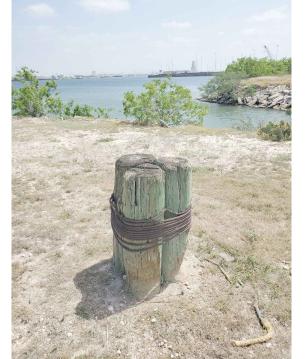










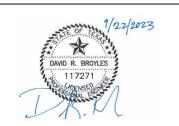




<u>PHOTO 46</u> <u>PHOTO 47</u> <u>PHOTO 48</u> <u>PHOTO 49</u> <u>PHOTO 50</u>

HDR Engineering, INC TBPELS Firm Registration No. F-754

		DESIGNED BY	D. R. BROYLES
		DRAWN BY	A. VILLARREAL
		CHECKED BY	S. A. McCOY
A 09/22/2023 "ISS	SUED FOR BID"		
ISSUE DATE DES	SCRIPTION	PROJECT NUMBER	10320226





**EXISTING CONDITIONS PHOTOS 05** 

0 1" 2" F

SHEET 1

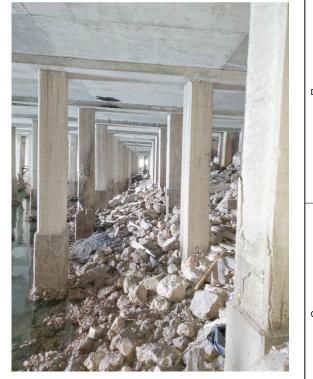
1 2 3 4 5 6 7











<u>PHOTO 51</u> <u>PHOTO 52</u> <u>PHOTO 53</u> <u>PHOTO 54</u> <u>PHOTO 55</u>







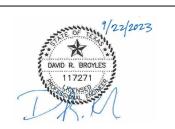




<u>PHOTO 56</u> <u>PHOTO 57</u> <u>PHOTO 58</u> <u>PHOTO 59</u> <u>PHOTO 60</u>

HDR Engineering, INC TBPELS Firm Registration No. F-754

			 PROJECT MANAGER	K. M. WUNDT
			 DESIGNED BY	D. R. BROYLES
-			 DRAWN BY	A. VILLARREAL
			 CHECKED BY	S. A. McCOY
Α	09/22/2023	"ISSUED FOR BID"		
ISSUE	DATE	DESCRIPTION	PROJECT NUMBER	10320226





**EXISTING CONDITIONS PHOTOS 06** 

0 1" 2" FILEN

SHEET