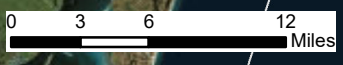
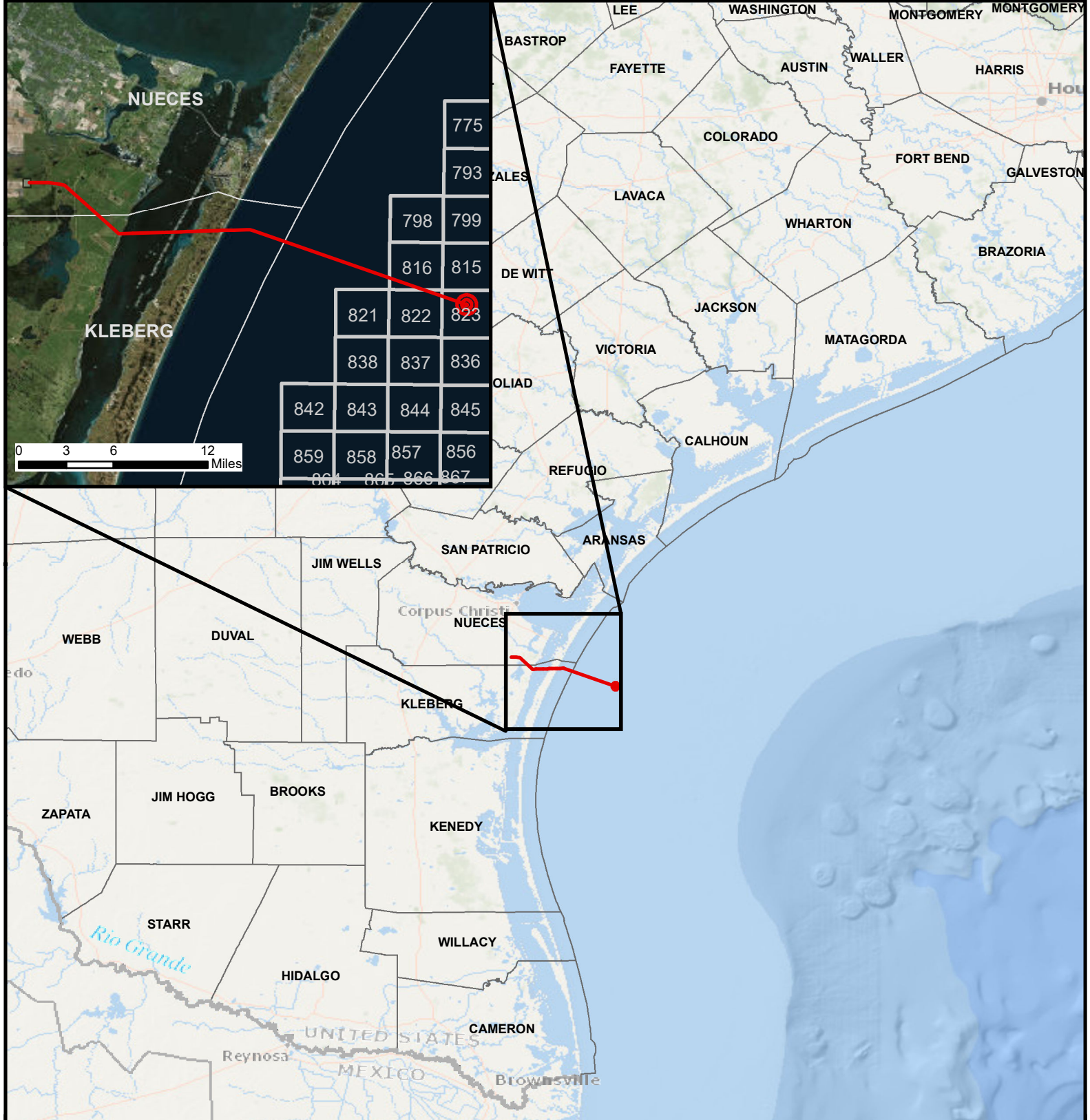


# Appendix A




## Project Figures



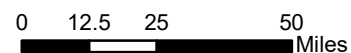
			775	
			793	
		798	799	
		816	815	
	821	822	823	
	838	837	836	
	842	843	844	845
	859	858	857	856
	864	865	866	867



**Legend**

-  Proposed Project
-  Federal Lease Blocks
-  Counties

Coordinate System: GCS WGS 1984  
 Datum: WGS 1984  
 Units: Degree

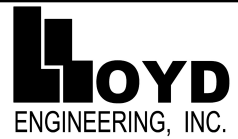


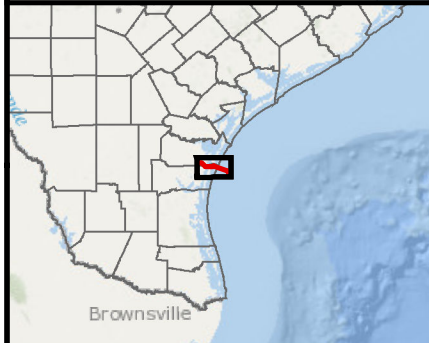
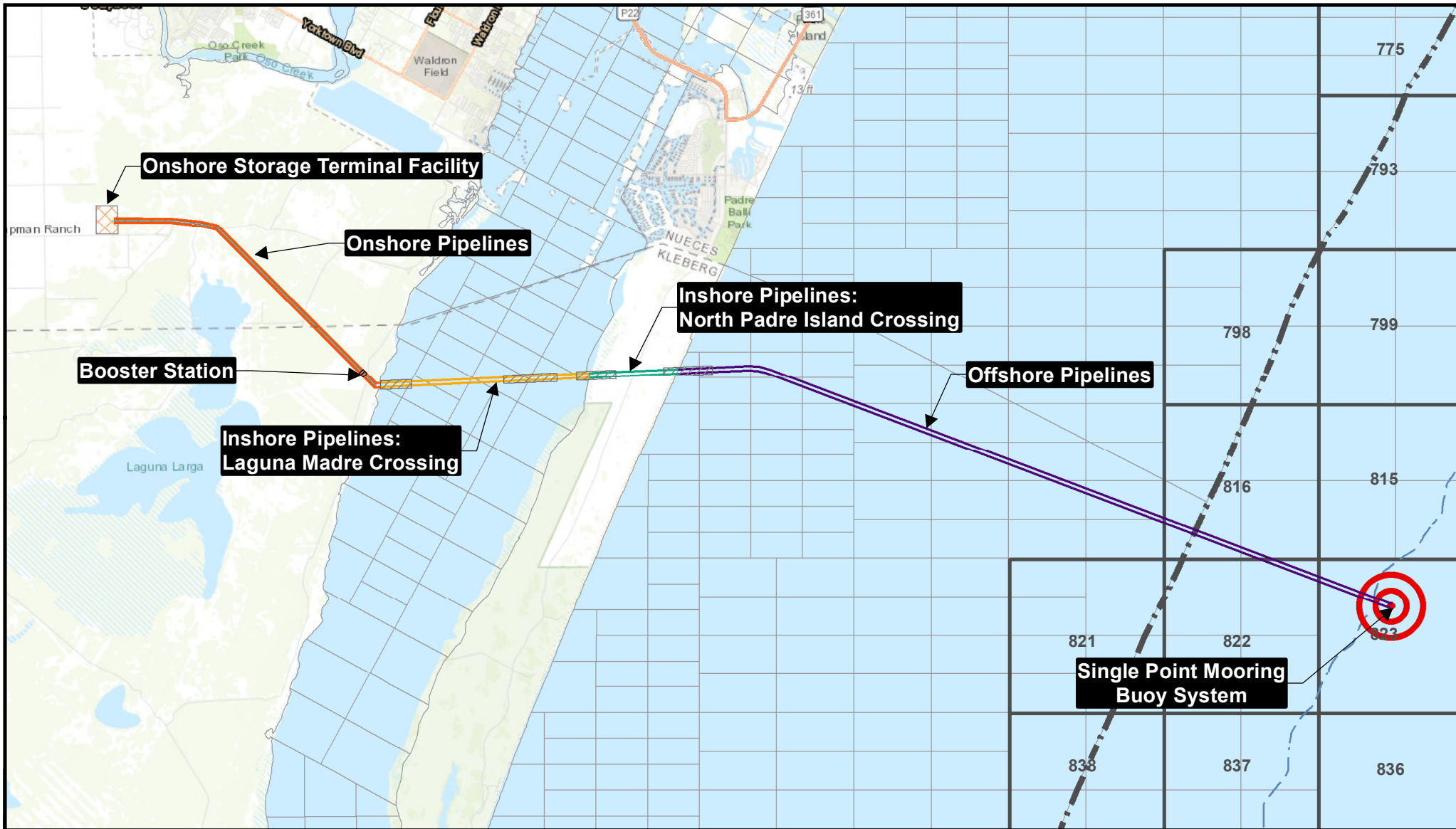
**Figure 1: Vicinity Map**

Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application

Texas Gulf Terminals Inc.

Kleberg and Nueces County, TX	
1:2,250,000	
Date: Jun 22, 2018	
Prepared By: CG/JW	



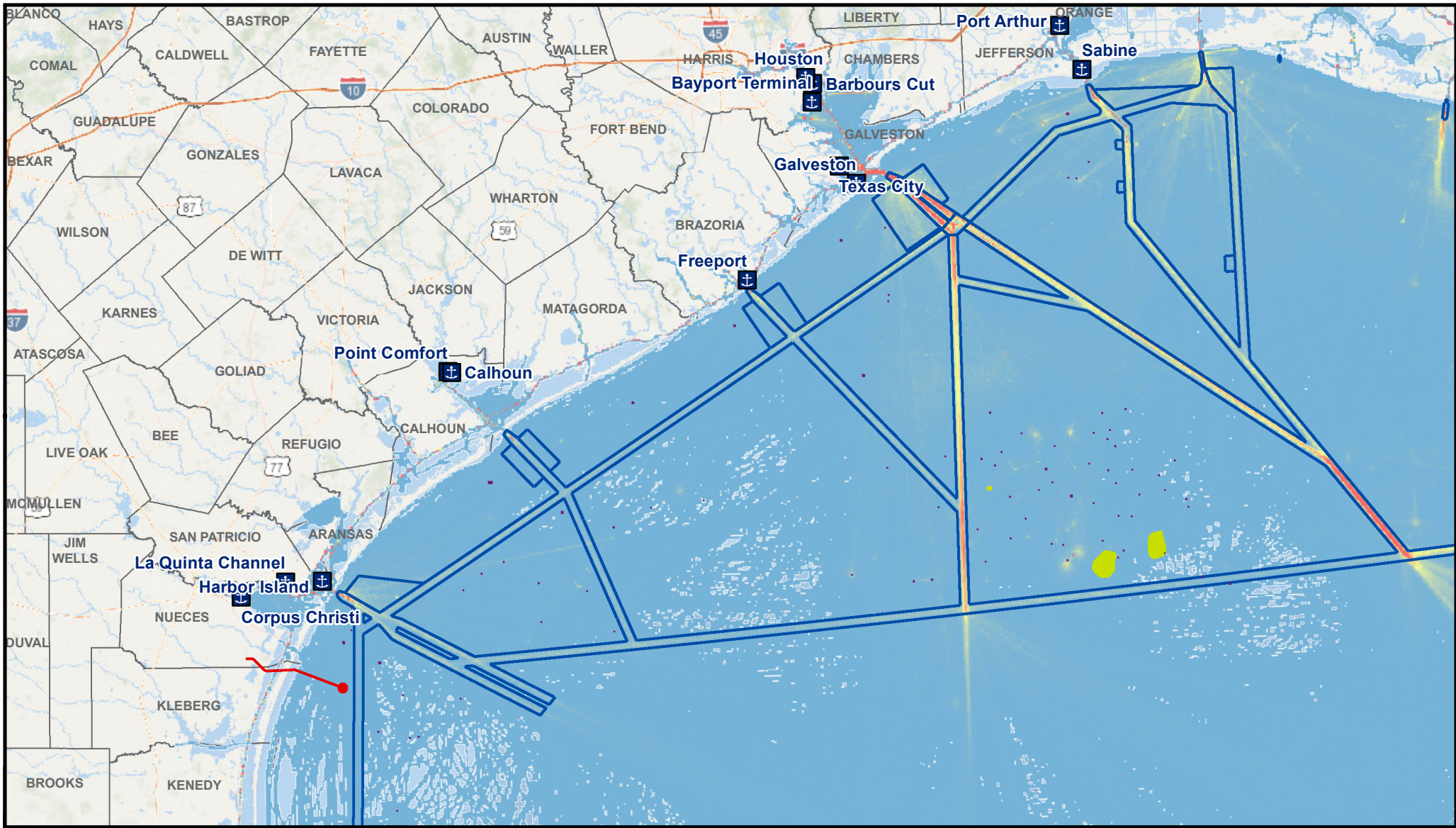


Legend	
<b>Project Component</b>	
Inshore Laguna Madre Pipelines	Booster Station
Inshore North Padre Island Pipelines	Onshore Storage Terminal Facility
Offshore Pipelines	90ft Depth Contour
Onshore Pipelines	Federal/State Line
HDD Pipeline Section	Federal Lease Blocks
SPM Buoy System and Safety Zone	GLO Lease Tracts

Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US

**Figure 2: Project Components Map**  
 Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX  
 1:168,000  
 Date: Jun 22, 2018  
 Prepared By: CG/JW



**Legend**

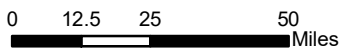
- Deep Draft Port
- Artificial Reefs
- National Marine Sanctuary
- Navigation Fairways
- Proposed Project

**2013 Vessel Density**

**Value**

- High
- Medium
- Low

Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US

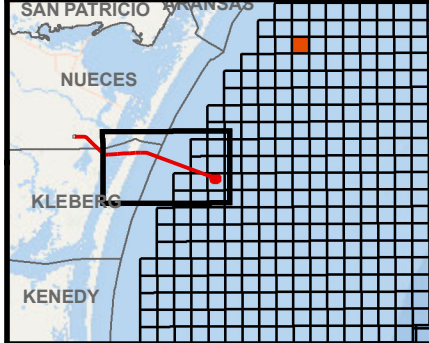
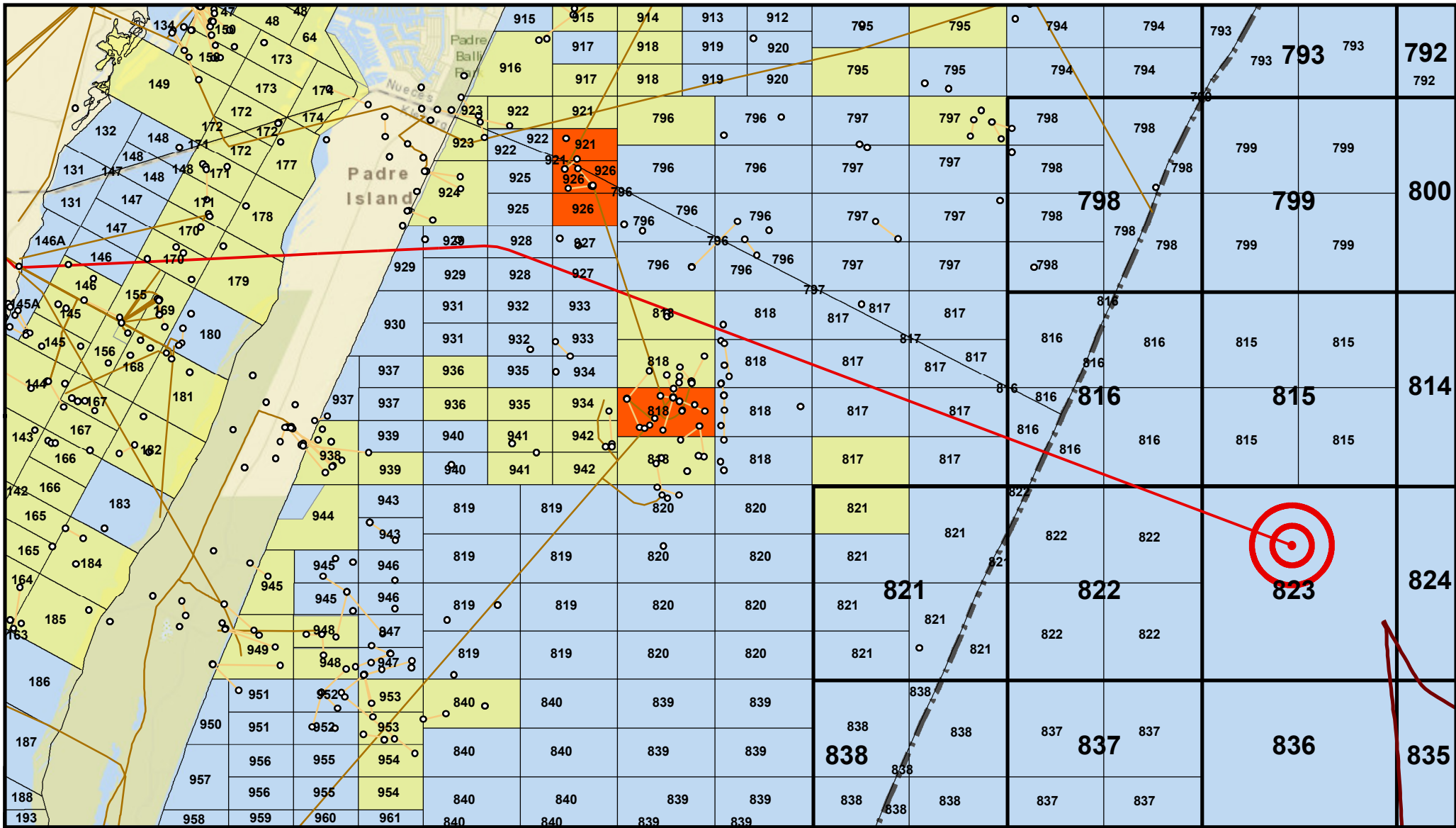


**Figure 3: Maritime Fairways and Ports**  
 Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX  
 1:2,200,000  
 Date: Jun 22, 2018  
 Prepared By: CG/JW



Vessel Densities provided by MarineCadastre.gov



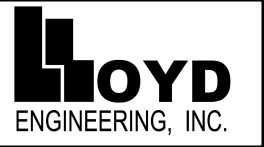
- Legend**
- Existing Structures
  - Proposed Project
  - Well Location (RRC)
  - Well Line
  - Pipeline
  - Offshore Platform
  - Offshore Pipelines
  - State Tracts (GLO)
  - ▭ Federal Lease Blocks (BOEM)
  - Active Leases
  - Inactive Leases
  - Federal/State Line

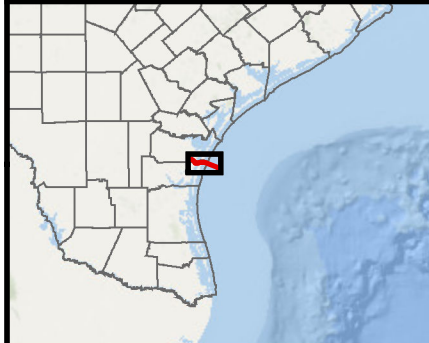
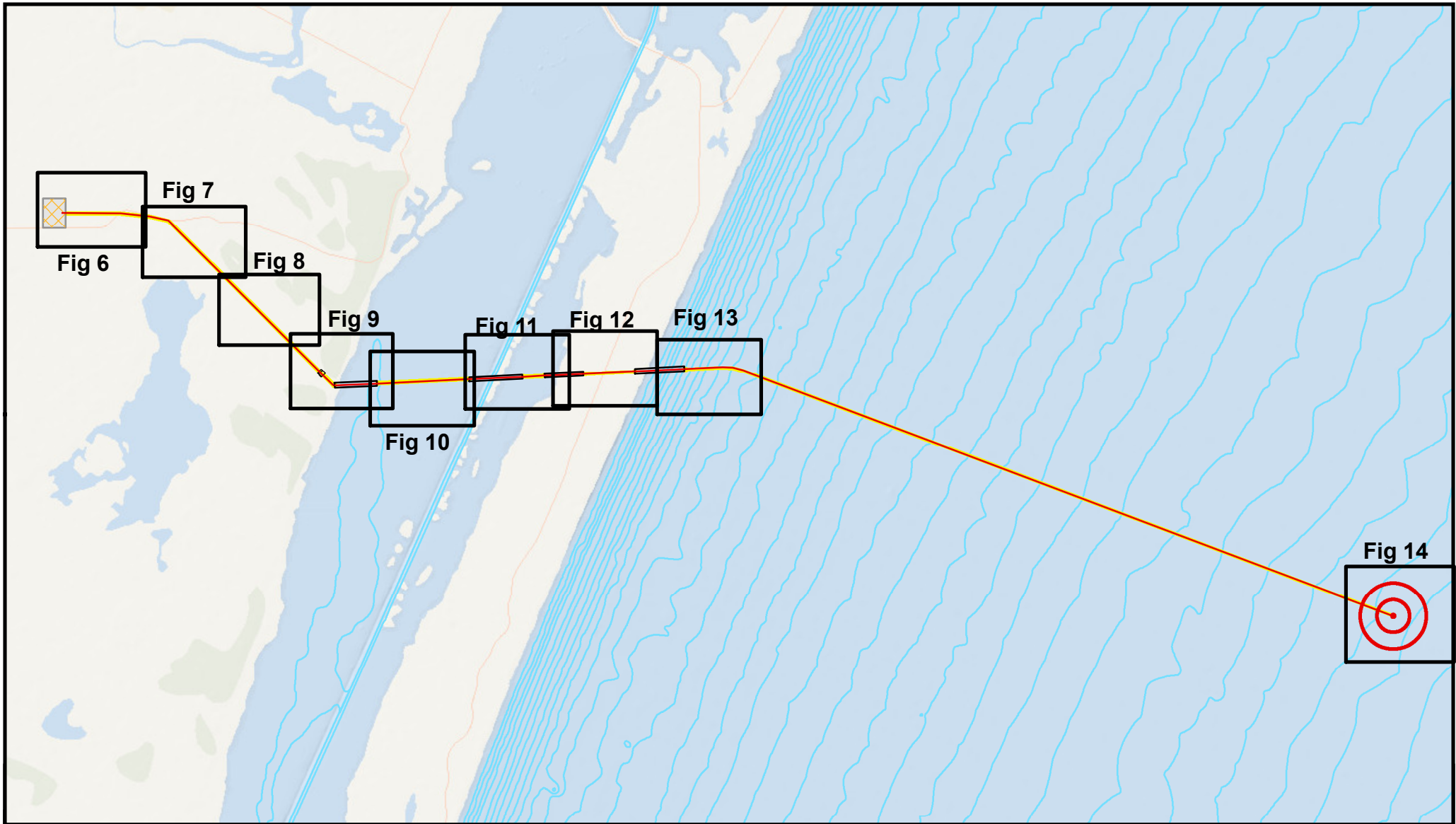
Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US

0 0.75 1.5 3 Miles








**Figure 4: Existing Oil and Gas Activity**  
 Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX  
 1:133,000  
 Date: Jun 22, 2018  
 Prepared By: CG/JW



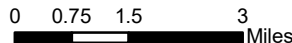


**Legend**

-  Project Pipelines
-  HDD Pipeline Section
-  Onshore Storage Terminal Facility
-  Booster Station
-  SPM Buoy System and Safety Zone
-  Construction Workspace
-  Bathymetric Contours

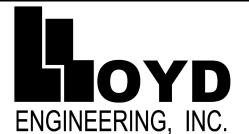


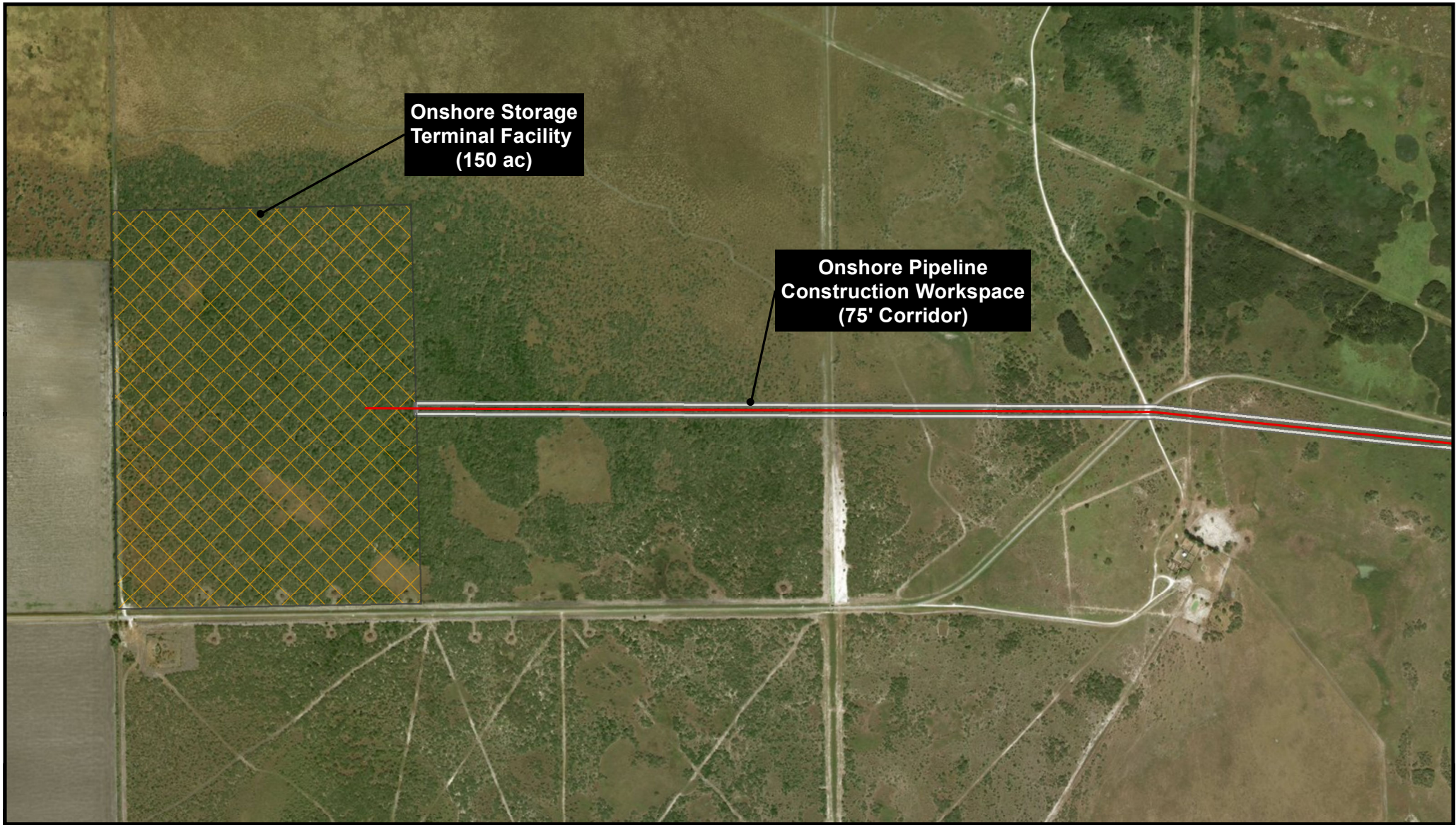
Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US



**Figure 5: Project Details Map Index**  
 Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX  
 1:160,000  
 Date: Jun 22, 2018  
 Prepared By: CG/JW

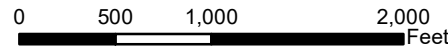




**Legend**

- Proposed Pipeline (HDD)
- Proposed Pipeline (trench & bury)
- Onshore Storage Terminal Facility (150 ac)
- Booster Station (8.25 ac)
- Designated Construction Workspace

Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US



**Figure 6: Project Details**

Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX

1:12,000

Date: Jun 22, 2018

Prepared By: CG/JW





**Onshore Pipeline  
Construction Workspace  
(75' Corridor)**

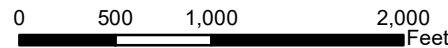


**Legend**

- Proposed Pipeline (HDD)
- Proposed Pipeline (trench & bury)
- Onshore Storage Terminal Facility (150 ac)
- Booster Station (8.25 ac)
- Designated Construction Workspace



Coordinate System: NAD 1983 StatePlane  
Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic  
Datum: North American 1983  
Units: Foot US



**Figure 7: Project Details**

Texas Gulf Terminals Project  
Volume I  
Deepwater Port License Application  
Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX

1:12,000

Date: Jun 22, 2018

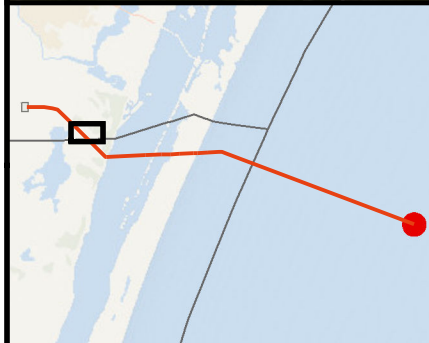
Prepared By: CG/JW







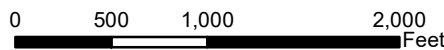
**Onshore Pipeline  
Construction Workspace  
(75' Corridor)**



**Legend**

- Proposed Pipeline (HDD)
- Proposed Pipeline (trench & bury)
- Onshore Storage Terminal Facility (150 ac)
- Booster Station (8.25 ac)
- Designated Construction Workspace

Coordinate System: NAD 1983 StatePlane  
Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic  
Datum: North American 1983  
Units: Foot US



**Figure 8: Project Details**

Texas Gulf Terminals Project  
Volume I  
Deepwater Port License Application  
Texas Gulf Terminals Inc.

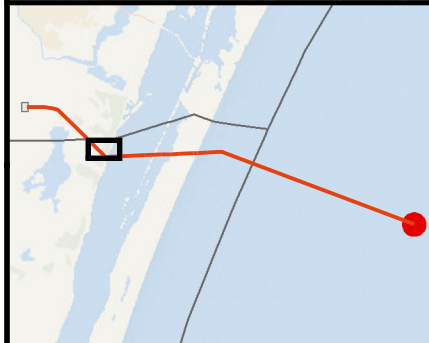
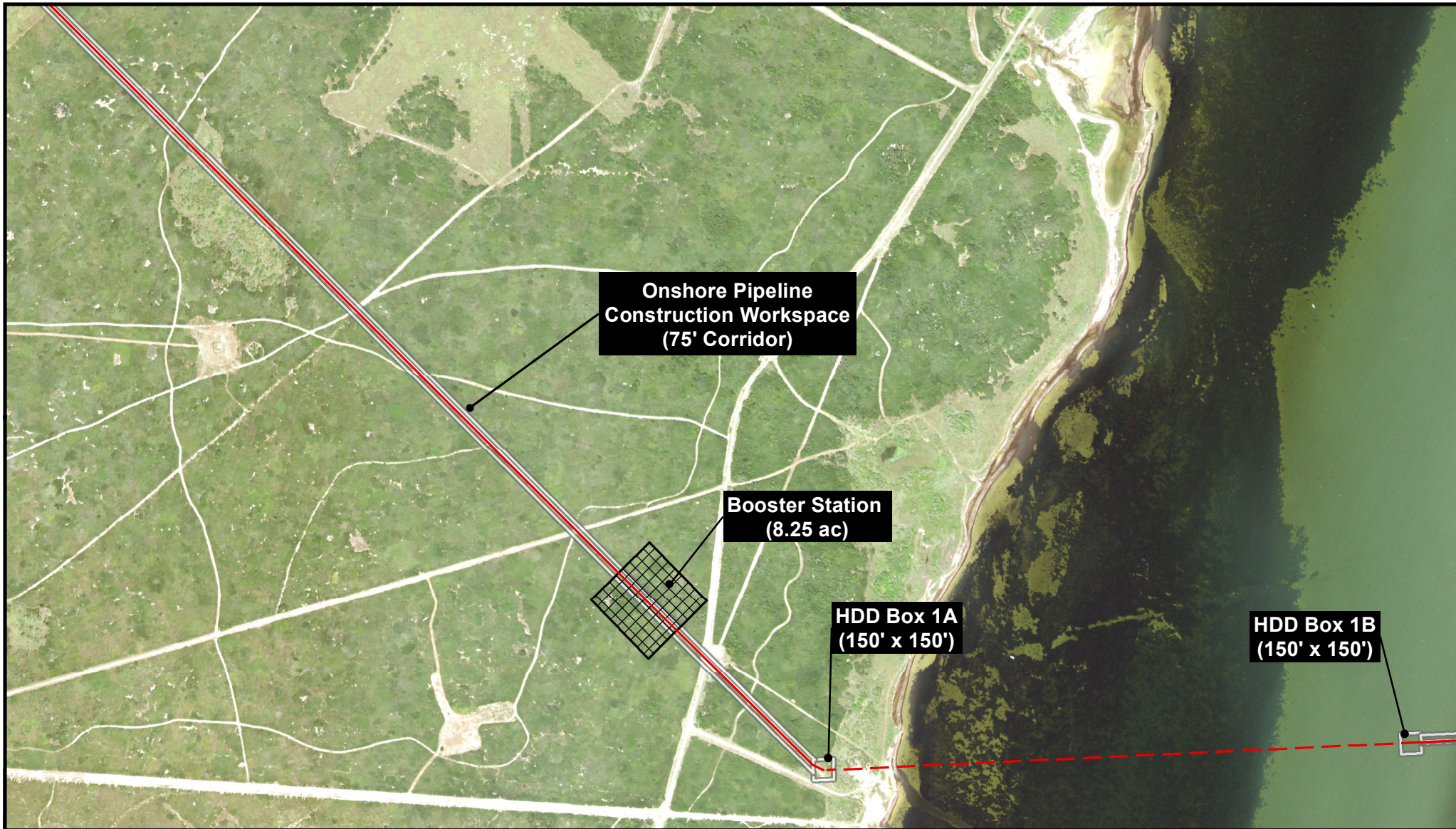
Kleberg & Nueces County, TX

1:12,000

Date: Jun 22, 2018

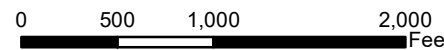
Prepared By: CG/JW





- Legend**
- Proposed Pipeline (HDD)
  - Proposed Pipeline (trench & bury)
  - Onshore Storage Terminal Facility (150 ac)
  - Booster Station (8.25 ac)
  - Designated Construction Workspace

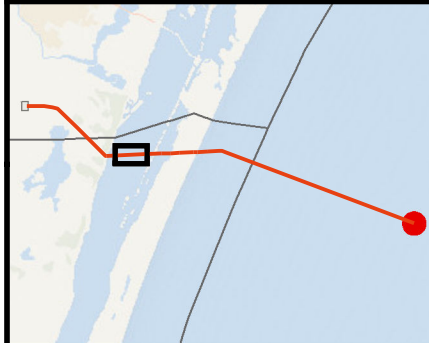
Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US



**Figure 9: Project Details**  
 Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX  
 1:12,000  
 Date: Jun 22, 2018  
 Prepared By: CG/JW

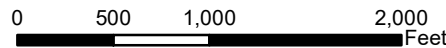




**Legend**

- - - Proposed Pipeline (HDD)
- Proposed Pipeline (trench & bury)
- Onshore Storage Terminal Facility (150 ac)
- Booster Station (8.25 ac)
- Designated Construction Workspace

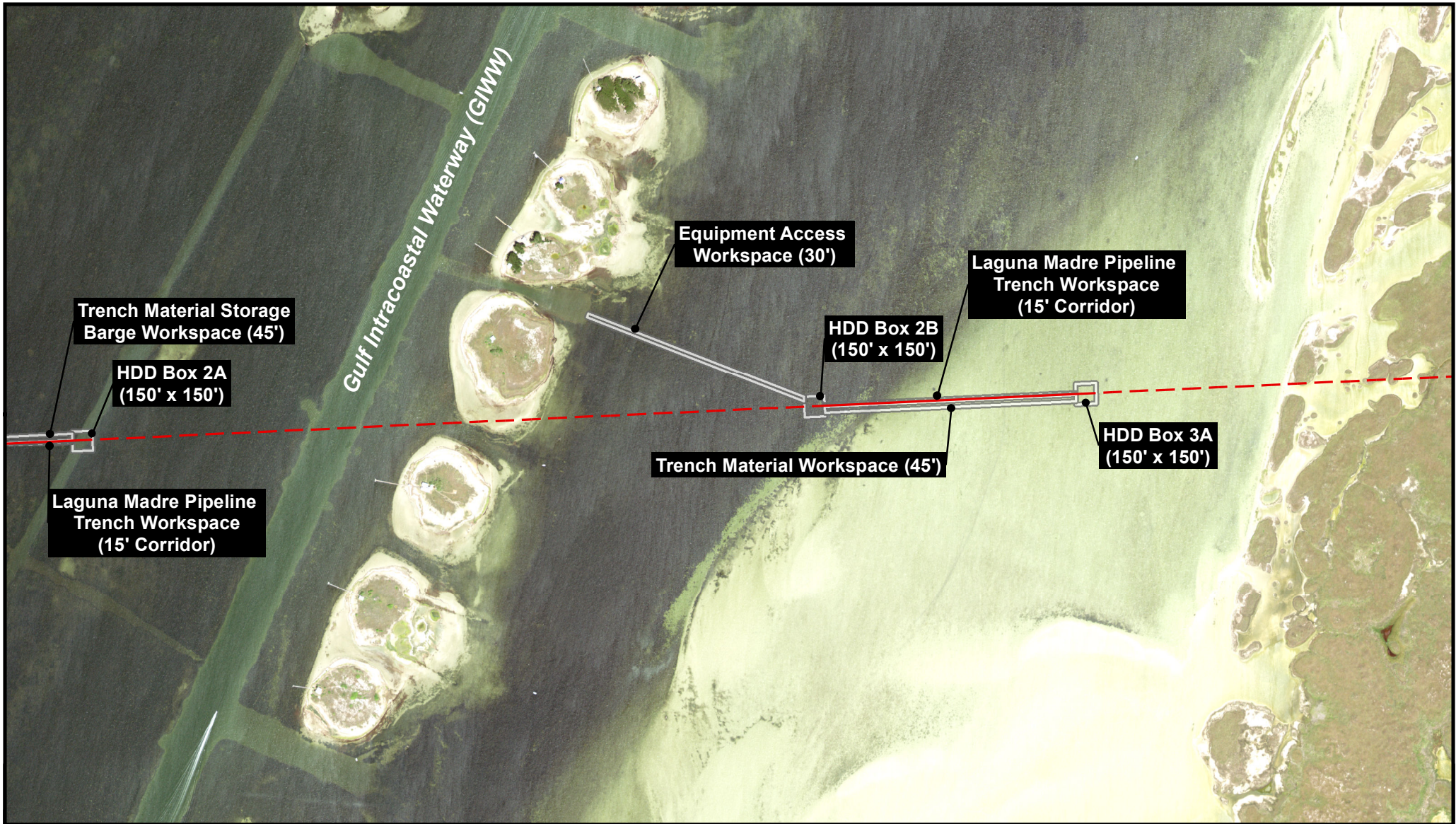
Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US



**Figure 10: Project Details**  
 Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX  
 1:12,000  
 Date: Jun 22, 2018  
 Prepared By: CG/JW

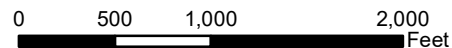




**Legend**

- - - Proposed Pipeline (HDD)
- Proposed Pipeline (trench & bury)
- Onshore Storage Terminal Facility (150 ac)
- Booster Station (8.25 ac)
- Designated Construction Workspace

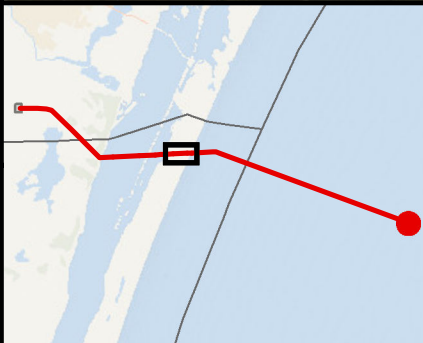
Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US



**Figure 11: Project Details**  
 Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX  
 1:12,000  
 Date: Jun 22, 2018  
 Prepared By: CG/JW

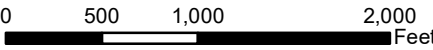




**Legend**

- - - Proposed Pipeline (HDD)
- Proposed Pipeline (trench & bury)
- Booster Station (8.25 ac)
- Designated Construction Workspace
- Onshore Storage Terminal Facility (150 ac)

Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US



**Figure 12: Project Details**

Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

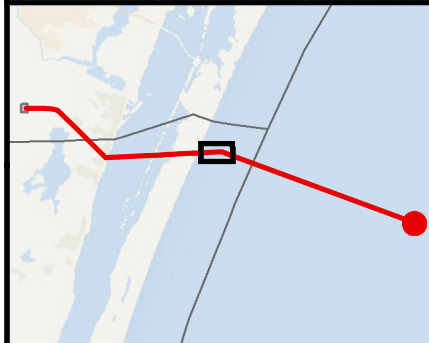
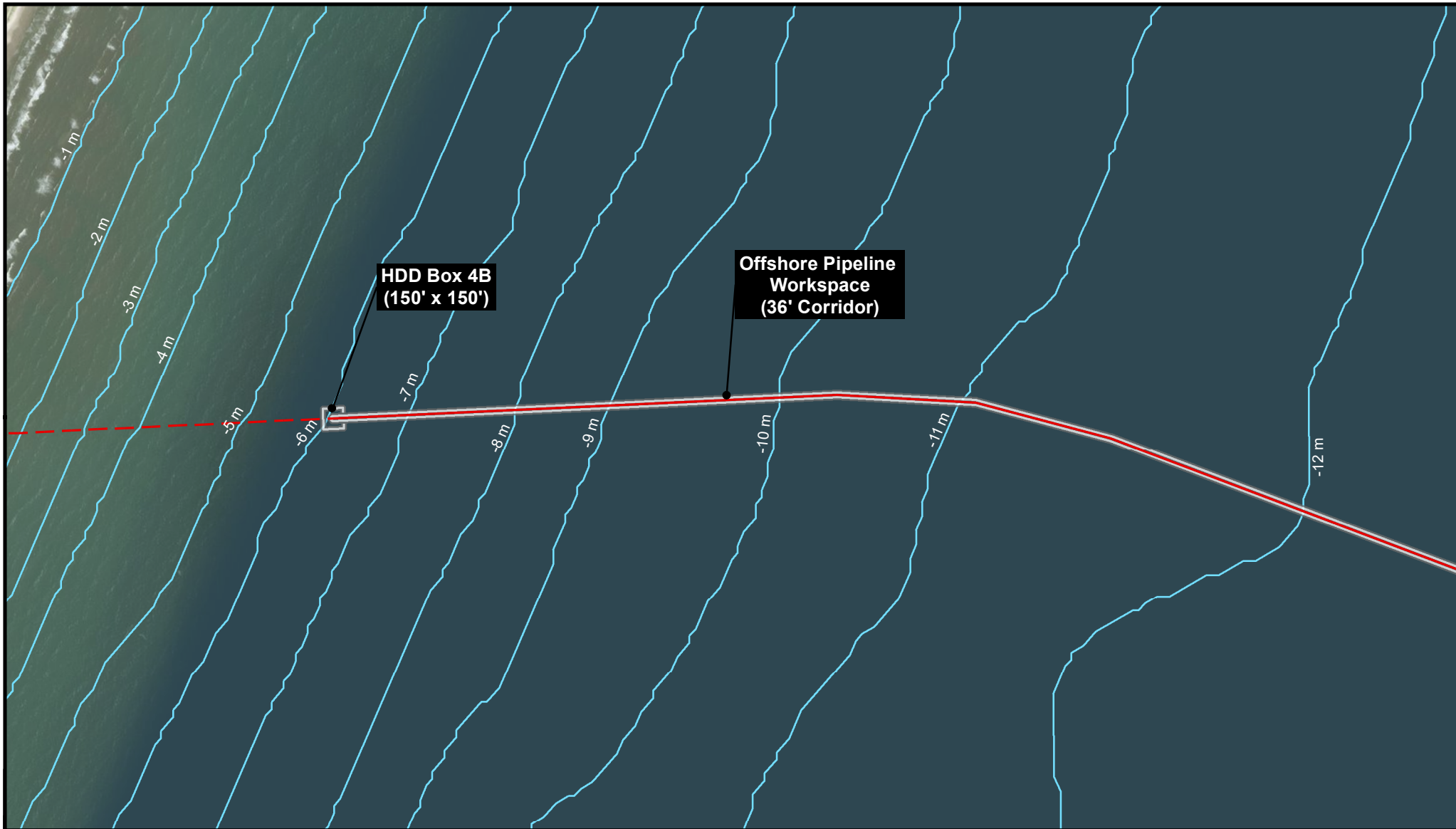
Kleberg & Nueces County, TX

1:12,000

Date: Jun 22, 2018

Prepared By: CG/JW





**Legend**

- Proposed Pipeline (HDD)
- Proposed Pipeline (trench & bury)
- Onshore Storage Terminal Facility (150 ac)
- Booster Station (8.25 ac)
- Designated Construction Workspace
- SPM System and Safety Zone
- Bathymetric Contours

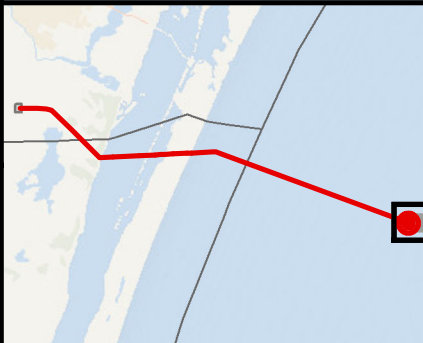
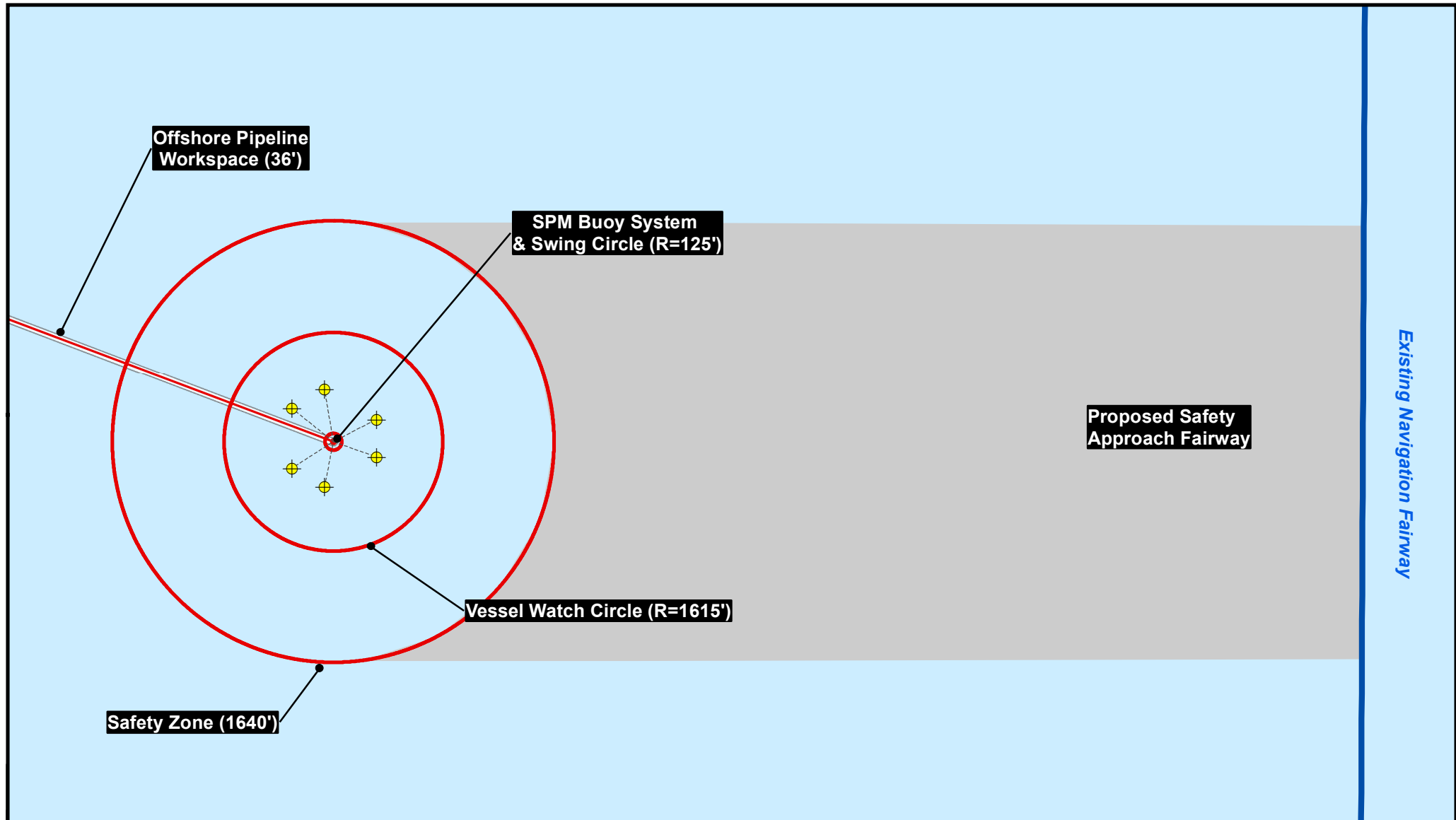
N  
  
 Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US

0      500      1,000      2,000  
 Feet

**Figure 13: Project Details**  
 Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX
1:12,000
Date: Jun 22, 2018
Prepared By: CG/JW

**LLOYD**  
 ENGINEERING, INC.



- Legend**
- SPM Buoy Anchor Locations (60" Piles)
  - Anchor Lines
  - Proposed Pipeline (HDD)
  - Proposed Pipeline (trench & bury)
  - SPM Buoy System and Safety Zone
  - Existing Navigation Fairways
  - Proposed Safety Approach Fairway
  - Construction Workspace

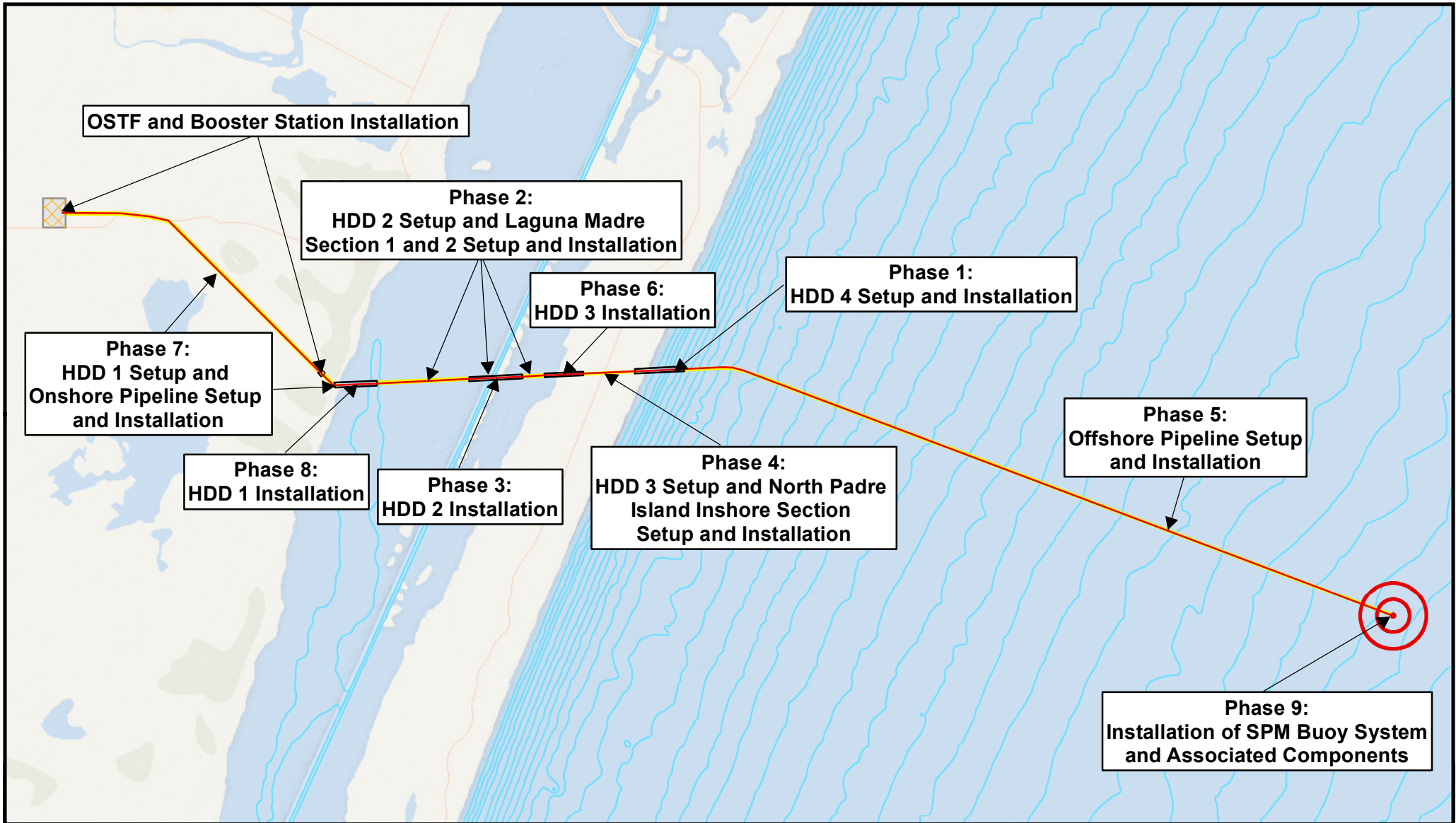
Coordinate System: NAD 1983 StatePlane  
 Texas South FIPS 4205 Feet  
 Projection: Lambert Conformal Conic  
 Datum: North American 1983  
 Units: Foot US

0      1,000      2,000      4,000  
 Feet

**Figure 14: Project Details (SPM Buoy)**  
 Texas Gulf Terminals Project  
 Volume I  
 Deepwater Port License Application  
 Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX  
 1:24,000  
 Date: Jun 22, 2018  
 Prepared By: CG/JW





OSTF and Booster Station Installation

Phase 2:  
HDD 2 Setup and Laguna Madre  
Section 1 and 2 Setup and Installation

Phase 6:  
HDD 3 Installation

Phase 1:  
HDD 4 Setup and Installation

Phase 7:  
HDD 1 Setup and  
Onshore Pipeline Setup  
and Installation

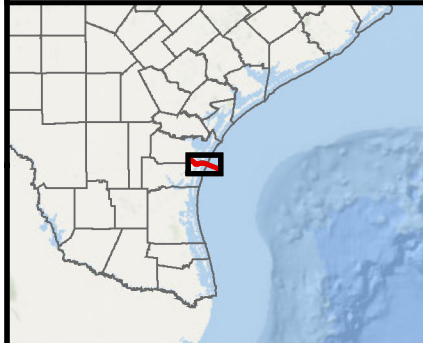
Phase 8:  
HDD 1 Installation

Phase 3:  
HDD 2 Installation

Phase 4:  
HDD 3 Setup and North Padre  
Island Inshore Section  
Setup and Installation

Phase 5:  
Offshore Pipeline Setup  
and Installation

Phase 9:  
Installation of SPM Buoy System  
and Associated Components



- Legend**
- Project Pipelines
  - HDD Pipeline Section
  - Onshore Storage Terminal Facility
  - Booster Station
  - SPM Buoy System and Safety Zone
  - Construction Workspace
  - Bathymetric Contours

N

Coordinate System: NAD 1983 StatePlane  
Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic  
Datum: North American 1983  
Units: Foot US

0 0.75 1.5 3  
Miles

**Figure 15: Installation Phases**  
Texas Gulf Terminals Project  
Volume I  
Deepwater Port License Application  
Texas Gulf Terminals Inc.

Kleberg & Nueces County, TX
1:160,000
Date: Jun 22, 2018
Prepared By: CG/JW