PROJECT CONSULTING SERVICES®, INC.

3300 WEST ESPLANADE AVENUE S., SUITE 500 METAIRIE, LA. 70002-3447 (504) 833-5321 Fax (504) 833-4940 www.projectconsulting.com

December 26, 2018

U.S. Army Corps of Engineers Galveston District - Corpus Christi Office, Regulatory Division 5151 Flynn Parkway, Suite 306 Corpus Christi, Texas 78411

RE:

PERMIT APPLICATION

Axis Midstream Holdings, LLC – Midway to Harbor Island Pipelines & Support Facility Proposed Pipelines and Support Facilities San Patricio and Nueces Counties, Texas

On behalf of Axis Midstream Holdings, LLC (Axis), please find enclosed a permit application package for the above referenced activity on San Patricio and Nueces Counties, Texas.

Axis proposes to construct a series of facilities and pipelines to transport crude oil for loading onto marine transport vessels. The project consists three facilities interconnected by a series of pipelines. As detailed in the permit drawings, the project will initiate at the proposed Midway Tank Farm south of Taft, Texas extend southeasterly to the Redfish Bay Facility, west of Aransas Pass, connected by a 42" oil pipeline. The project continues easterly with a series of pipelines (1-6" Gas Supply, 1-12" Intermix Return and 2-42" Crude Pipelines) to the proposed Harbor Island Export Terminal. All is shown in greater detail in the permit drawings provided. This activity has been designed to avoid and minimize adverse impacts to all sensitive features (i.e. wetlands, cultural sites, etc.).

On October 10, 2018, Ms. Emily Edwards directed a Joint Evaluation Meeting in the Corpus Christi Office. The evaluation focused on the alternatives associated with the series of pipelines crossing Redfish Bay between Redfish Bay Facility to Harbor Island Terminal.

Should there be any questions or if we can be of further assistance, do not hesitate in contacting Robert Ganczak at 713-407-2480/rganczak@projectconsulting.com or Richard Leonhard at 504-833-5321/rleonhard@projectconsulting.com.

Sincerely.

PROJECT CONSULTING SERVICES, INC. ©

Robert Ganczak

Senior Environmental Specialist

Enclosures

pc:

Mr. David O'Dell/Axis Midstream Holdings, LLC – Houston (w/encls.)

Mr. Richard Leonhard/Project Consulting Services, Inc. – New Orleans (w/encls)

Mr. Charles Thomas/Project Consulting Services, Inc. – Houston (w/encls.)

PCS Project File No. 18087.02 (w/encls.)

♦ Houston, TX ♦ Birmingham, AL ♦ Atlanta, GA ♦ North Hampton, NH ♦ Chicago, IL ♦

♦ San Antonio, TX ♦ Mandeville, LA ♦ Lafayette, LA ♦ Mobile, AL ♦ DeQuincy, LA ♦

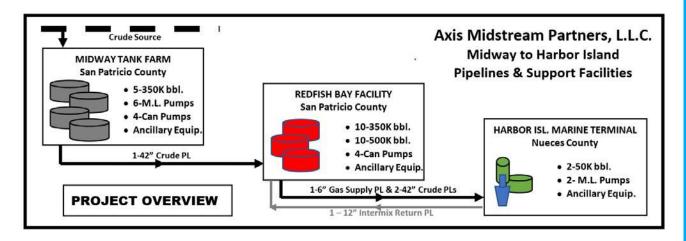
AXIS MIDSTREAM HOLDINGS, LLC



Midway to Harbor Island Pipelines & Support Facilities

Nueces and San Patricio Counties, Texas

12-27-2018



Prepared By:



Project Consulting Services, Inc. 3300 West Esplanade Avenue South, Suite 500 New Orleans, Louisiana, 70002 (504) 833-5321 www.projectconsulting.com 1800 West Loop South, Suite 900 Houston, Texas 77027 (713) 952-7380



AXIS MIDSTREAM Holdings, LLC

Midway to Harbor Island Pipelines & Support Facilities

Nueces and San Patricio Counties, Texas

12-27-2018

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U.S. Army Corps of Engineers (USACE)

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT

33 CFR 325. The proponent agency is CECW-CO-R_a

Form Approved -OMB No. 0710-0003 Expires: 01-08-2018

The public reporting burden for this collection of information, OMB Control Number 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whw.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR APPLICATION TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: http://docid.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce aspx

| and may be accessed at the following website. http://dpcid.detense.gov/=nvacy/5ORNsindex/DOD-wide-SORN-Anicle-view/Anicle/5/0115/a1145b-ce.aspx | | | | | |
|---|----------------------------|---|--|-----------------|------------------------|
| (ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS) | | | | | |
| 1, APPLICATION NO. | 2. FIELD OFFICE CODE | | 3. DATE RECEIVED | 4. DATE AP | PLICATION COMPLETE |
| | (ITEMS BELOW TO BE | FILLED BY AP | PLICANT) | | |
| 5. APPLICANT'S NAME | | 8. AUTHORIZ | 8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required) | | |
| First - David Middle - | Last - O'Dell | First - Robert | First - Robert Middle - Last - Ganczak | | |
| Company - Axis Midstream Holdings, L | LC | Company - PROJECT CONSULTING SERVICES, INC. | | | |
| E-mail Address - dodell@axismidstream.c | om | E-mail Addres | s - rganczak@projecto | onsulting.co | om |
| 6. APPLICANT'S ADDRESS: | | 9. AGENT'S A | ADDRESS: | | |
| Address- 5005 Riverway, Suite 110 | | Address- 180 | 00 West Loop South, S | Ste. 900 | |
| City - Houston State - Texas | Zip - 77056 Country - USA | City - Housto | on State - Te | exas Zip - | 77027 Country - USA |
| 7. APPLICANT'S PHONE NOS, WAREA CO | DE | 10. AGENTS | PHONE NOs. w/AREA C | ODE | |
| a. Residence b. Business 713/623-2412 | c. Fax 713/623-2382 | a. Residence | b. Business 713/407-2 | | c. Fax 713/952-7082 |
| 11. I hereby authorize, Project Consulting Services, Inc. to act in my behalf as my a supplemental information in support of this permit application. SIGNATURE OF APPLICANT | | | | ation and to fu | ırnish, upon request, |
| | NAME, LOCATION, AND DESCRI | PTION OF PRO | JECT OR ACTIVITY | | |
| 12. PROJECT NAME OR TITLE (see instructions) Midway to Harbor Island Pipelines & Support Facilities | | | | | |
| 13. NAME OF WATERBODY, IF KNOWN (if applicable) Redfish Bay | | 14. PROJECT STREET ADDRESS (if applicable) Address NA | | | |
| 15. LOCATION OF PROJECT | | | - | | |
| Latitude: ∘N 27.875746° Long | itude: •W -97.160668° | City - | St | ate- | Zip- |
| 16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) | | | | | |
| State Tax Parcel ID NA | Municipality | | | | |
| Section - Township | - | Range | e - | | |

| 17. DIRECTIONS TO THE SITE |
|--|
| Midway Facility - ± 5.0 miles south of Taft, TX. North of the intersection of FM 893 and FM 1074. Redfish Facility - ± 2.25 miles south of Aransas Pass, TX. South of the intersection of Hwy. 138 and FM 2725. Harbor Island - ± west of Port Aransas, TX. West of Hwy 361 ferry crossing. |
| 18. Nature of Activity (Description of project, include all features) |
| The project consists three facilities interconnected by a series of pipelines. As detailed in the permit drawings, the project will initiate at the proposed Midway Tank Farm south of Taft, Texas extend southeasterly to the Redfish Bay Facility, west of Aransas Pass, connected by a 42" oil pipeline. The project continues southeasterly with a series of pipelines (1-6" Gas Supply, 1-12" Intermix Return and 2-42" Crude Pipelines) to the Harbor Island site. |
| |
| 19. Project Purpose (Describe the reason or purpose of the project, see instructions) |
| Axis proposes to construct a series of facilities and pipelines to transport crude oil for loading onto marine transport vessels. |
| USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED |
| 20. Reason(s) for Discharge |
| Excavation for pipeline installation Pipeline burial and backfill Fill for facility installation |
| 21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards: |
| Type Type Type Type Amount in Cubic Yards Type Amount in Cubic Yards Amount in Cubic Yards |
| See Attached Sheet |
| 22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions) Acres See Attached Sheet or Linear Feet |
| 23. Description of Avoidance, Minimization, and Compensation (see instructions) |
| On land the pipeline is situated in agricultural fields and adjacent to existing pipeline corridors to the maximum extent practicable. The applicant will use directional bores to avoid impacts to water bodies and horizontal directional drilling at Redfish Bay, as practicable, to avoid |

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impacts to seagrasses. The applicant will utilize existing oil and gas infrastructure for pipeline installation to the maximum extent practicable.

Best management practices (i.e., turbidity curtains, etc.) will be installed to minimize impacts to water quality.

| 24, Is Any Portion of the | Work Already Complete? | Yes No IF YES | , DESCRIBE THE COMPLE | TED WORK | |
|---|--|---|--|--|--|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 25 Addresses of Adjoinin | og Proporty Owners League | o Eta Whose Dranetty | Adiaina tha Watarhadu si | | |
| | CHED LANDOWNER | | Adjoins the Waterbody (if more | e man can be entered nere, please att | ach a supplemental list) |
| a Address BLL ATTA | CIED LANDOWILK | LIG I | | | |
| City - | | State - | | Zip - | |
| b. Address- | ž. | | | | |
| City - | | State - | | Zip - | |
| c. Address- | | | | | |
| City - | | State - | | Zip - | |
| d. Address- | | | | | |
| City - | | State - | | Zip - | |
| e. Address- | | | | | |
| City - | | State - | | Zip - | |
| 26. List of Other Certifica | tes or Approvals/Denials rec | | , State, or Local Agencies fo | r Work Described in This Ap | plication. |
| AGENCY | TYPE APPROVAL* | IDENTIFICATION NUMBER | DATE APPLIED | DATE APPROVED | DATE DENIED |
| TX-GLO | Easement | | pending | | |
| TCEQ - WQC | 401 Certification | | pending | × | |
| TXRRC - CMP | Consistency | | pending | v <u>. </u> | · · · · · · · · · · · · · · · · · · · |
| San Patricio Co. | Rd cross/floodplain | | pending | | |
| | restricted to zoning, building | | | | |
| 27. Application is hereby complete and accurate. I applicant. | made for permit or permits t further certify that I possess | o authorize the work des the authority to undertak | cribed in this application. I can be the work described herein | ertify that this information in or am acting as the duly aut | this application is horized agent of the |
| | OF APPLICANT e signed by the person w | DATE | SIGNATURE the proposed activity (| IRE OF AGENT | DATE ned by a duly |

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

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ATTACHMENT 1 – Items 21 & 22

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

| Excavation for access in O&G canals | 65,995 yd³ | Canal bottom materials |
|--|---------------------------|------------------------|
| Excavation for pipeline burial in O&G canals | 125, 706 yd ³ | Canal bottom materials |
| Excavation for pipeline burial in open water | 87,925 yd ³ | Bay bottom materials |
| Excavation for pipeline burial in wetlands | 125,007 yd ³ | Earthen material |
| Fill for Redfish Facility | 1,841,480 yd ³ | Fill dirt |

22. Surface Area in Acres of Wetlands or Other Waters Filled

Affected Acreage - Pipeline

| AREA WITHIN REDFISH BAY | | | | |
|---|---------------------|--|--|--|
| RESOURCE TYPE | AFFECTED ACRE TOTAL | | | |
| Black Mangrove | 2.08 | | | |
| Wetlands * | 0.51 | | | |
| Oyster Shells | 0.01 | | | |
| Seagrass Beds | 9.74 | | | |
| Tidal Flats * | 15.56 | | | |
| AREA WITHIN DMPA | | | | |
| RESOURCE TYPE | AFFECTED ACRE TOTAL | | | |
| Wetlands * | 6.33 | | | |
| Black Mangrove | 0.08 | | | |
| *Temporal Impacts: Work space to be restored to pre-project | | | | |
| elevations upon completion of the activity. | | | | |

Affected Acreage - Pipeline

| RESOURCE TYPE | AFFECTED ACRE TOTAL |
|----------------------|---------------------|
| Estuarine Open Water | 23.84 |
| Oil & Gas Canal | 21.96 |
| Waterbodies (Other) | 0.73 |

Affected Acreage—Redfish Facility

| RESOURCE TYPE | AFFECTED ACRE TOTAL |
|--------------------|---------------------|
| Estuarine Wetlands | 133 |

| Tract | PID | Owner |
|--------|----------------|--|
| | | |
| SP-001 | 52255 | PHILLIPS DERYL GLEN & CHERYL ANN LEWIS & LUTHER EARL PHILLIPS FBO NEVA ANDERSON PHILLIPS 9893 CR 1906 TAFT, TX 78390 |
| SP-002 | 52216 | CHENIERE SAN PATRICIO PROCESSING HUB LLC 700 MILAM ST. SUITE 1900 HOUSTON, TX 78401 |
| SP-003 | 52240 52243 | FLINT HILLS RESOURCES CC LLC ATTN: PROPERTY TAX DEPT PO BOX 2917 WICHITA, KS 67201 |
| SP-004 | 53403 | MAYO THOMAS E 8642 CR 3349 TAFT, TX 78390 |
| SP-005 | 53363 | BLASCHKE CHARLES L 3521 MILITARY RD ARLINGTON, VA 22207 |
| SP-006 | 53358 | MULTIPLE OWNERS |
| SP-007 | 53827 | BELL M & J FAMILY FARMS LTD JEFFERSON E BELL ESTATE GEN 802 N CARANCAHUA STE 310 CORPUS CHRISTI, TX 78401 |
| SP-008 | 53819 | MULTIPLE OWNERS |
| SP-009 | 1029756 | MULTIPLE OWNERS |
| SP-010 | 54546 | CARTER ADRIAN TILL PO BOX 1167 SEGUIN, TX 78156 |
| SP-011 | 43659 | HARDEMAN SUZANNE E 147 SPANISH PASS ROAD BOERNE, TX 78006 |

| SP-012 | 55049 | MCCABE MARY C 105 CANYON SPRINGS BOERNE, TX 78006 |
|------------|---------|---|
| SP-013 | 55040 | DUPRIE JUSTIN X 7616 CR 2144 TAFT, TX 78390 |
| SP-014 | 43662 | MULTIPLE OWNERS |
| SP-015 | 1029780 | MULTIPLE OWNERS |
| SP-016 | 54652 | MULTIPLE OWNERS |
| SP-017 | 54628 | HANNA WANITA LOU 224 NE 3RD CT BOCA RATON, FL 33432 |
| SP-018 | 56552 | FLOERKE ROY JAMES & ORA MARIE FAMILY LIMITED PARTNERSHIP P O BOX 38 TAFT, TX 78390 |
| SP-019 | 56605 | HIGHWAY 181 LLC 7363 US HWY 181 TAFT, TX 78390 |
| SP-019.001 | | RAILROAD |
| SP-020 | 51787 | DUPRIE FARMS % DEMPSEY JAMES DUPRIE 328 ROSE MEADOW DR LA VERNIA, TX 78121 |
| SP-021 | 51729 | DECOU MARTHA MCKAMEY 231 BAYRIDGE DR CORPUS CHRISTI, TX 78411 |
| SP-022 | 51762 | HUNT INEZ B MRS NICHOLAS AND KUBICEK 216 W SINTON ST SINTON, TX 78387 |
| SP-023 | 70323 | HESTER JENNIE ETAL % J W HUNT PO BOX 829 GREGORY, TX 78359 |
| SP-024 | 67496 | LONG SHARON G 18314 EDWARDS OAKS SAN ANTONIO, TX 78259 |

| SP-025 | 64876 | FIRST BAPTIST CHURCH OF TAFT BOX 807 TAFT, TX 78390 |
|--------|------------------|---|
| SP-026 | 48191 | MCKINLEY VALERIE WALFORD 301 CORVENA WAY EL PASO, TX 79922 |
| SP-027 | 67469 | JONES V. H. P O BOX 72 GREGORY, TX 78359 |
| SP-028 | 67819 | SAN PATRICIO COUNTY 400 W SINTON RM 105 SINTON, TX 78387 |
| SP-029 | 51517 | SOLIS ABEL V 502 E BROADWAY BLVD PORTLAND, TX 78374 |
| SP-030 | 51384 | REDING PROPERTY HOLDINGS LLC 620 COLONIAL DR. PORTLAND, TX 78374 |
| SP-031 | 51310 | OHM SURFACE LLC 20714 ROCK HARBOR CT KATY, TX 77449 |
| SP-032 | 6277766395 | GUETTLER AUGUST E JR5778 COUNTY RD 4241TAFT, TX 78390 |
| SP-033 | 113103 114626 | PRICE JAMES FRANKLIN JR & SUSAN PATRICIA HAYES PRICE 4290 CO RD 4343 ARANSAS PASS, TX 78336 |
| SP-034 | 62770 | GIBSON WILLIAM MCCAMPBELL 11286 BIG CANOE BIG CANOE, GA 30143 |
| SP-035 | 67162 61476 | MCCAMPBELL JOHN S TRUST ATTN. A SCALLAN PO BOX 4886 HOUSTON, TX 77210 |
| SP-036 | 65496 | GULF SOUTH PIPELINE COMPANY ATTN: PROPERTY TAX DEPT PO BOX 829 HOUSTON, TX 77001 |
| SP-037 | 1470 | SNP HOLDINGS LLC P O BOX 27200 CORPUS CHRISTI, TX 78427 |

| SP-038 | 65361 | GULF SOUTH PIPELINE COMPANY |
|---------------|----------------|-------------------------------------|
| | 65258 | ATTN: PROPERTY TAX DEPT |
| | | PO BOX 829 |
| 00.000 | 65040 | HOUSTON, TX 77001 |
| SP-039 | 65248 | BROWN DANELLE D 1519 MORGAN LANE |
| | | INGLESIDE, TX 78362 |
| SP-040 | 65209 | GULF SOUTH PIPELINE COMPANY |
| 31-040 | 65180 | ATTN: PROPERTY TAX DEPT |
| | 65104 | PO BOX 829 |
| | | HOUSTON, TX 77001 |
| SP-041 | 65079 | VICE A GERARD & LORI |
| | | PO BOX 1178 |
| | | INGLESIDE, TX 78362 |
| SP-042 | 65089 | RAMOS BRYAN D & LUCILLE C |
| | | 2069 MOONEY LANE |
| | | INGLESIDE, TX 78362 |
| SP-043 | 65069 | MCCLEESE FRANK S & GAIL A |
| | | 2053 MOONEY LANE |
| 60.011 | 1000011 | INGLESIDE, TX 78362 |
| SP-044 | 1030211 | MULTIPLE OWNERS |
| | | WOLTIPLE OWNERS |
| SP-045 | 1030213 | |
| | | MULTIPLE OWNERS |
| | | |
| SP-046 | 65005 | PATTON JULIE AND GARY |
| | | 2007 MOONEY LN |
| | | INGLESIDE, TX 78362 |
| SP-047 | 50537 | GULF SOUTH PIPELINE COMPANY |
| | 50560 | ATTN: PROPERTY TAX DEPT |
| | 50548 50575 | PO BOX 829 |
| | | HOUSTON, TX 77001 |
| SP-048 | 50505 | TRUITT FRANK & VICKI PO BOX 654 |
| | | INGLESIDE, TX 78362 |
| SP-049 | 50512 | SMITH RANDALL SCOTT1689 MOONEY |
| 3F-049 | 30312 | LANEINGLESIDE, TX 78362 |
| | | LANCINGLESIDE, 1A 70302 |
| SP-050 | 50477 | HALE LYNITA ANN |
| • | | 1686 MORGAN LN |
| | | INGLESIDE, TX 78362 |
| | | 1140[[0][], 17, 70002 |

| SP-051 | 50453 | DOUGLAS CLYDE 2152 HWY 35 ARANSAS PASS, TX 78336 |
|--------|--------|---|
| SP-052 | 50439 | CHASAK GARY & LINDA PO BOX 1456 INGLESIDE, TX 78362 |
| SP-053 | 50389 | MULLENAX JIMMY C JR P O BOX 1182 ARANSAS PASS, TX 78335 |
| SP-054 | 36889 | WILTSHIRE SHIRLEY KAY 1567 MOONEY LN INGLESIDE, TX 78362 |
| SP-055 | 110271 | DAILEY LUCIA D 1547 MOONEY LN INGLESIDE, TX 78362 |
| SP-056 | 36888 | MONROE ARTHUR & LORRIE 1529 MOONEY LANE INGLESIDE, TX 78362 |
| SP-057 | 50330 | GABRIEL PAUL F & GERALD P PO BOX 1816 INGLESIDE, TX 78362 |
| SP-058 | 50312 | BARRINGTON RUSSEL E WOOD MICHAEL D DAVIS TAMMY G PO BOX 2317 ARANSAS PASS, TX 78336 |
| SP-059 | 69195 | DOLAN MIKE & DOTTIE PO BOX 184 ARANSAS PASS, TX 78335 |
| SP-060 | 54028 | BROWN SHIRLEY & D R PO BOX 94 INGLESIDE, TX 78362 |
| SP-061 | 54015 | REEVES MACK 1384 MORGAN LN INGLESIDE, TX 78362 |
| SP-062 | 54007 | GULLEY FAMILY INVESTMENTS, LTD 6421 SARATOGA BLVD CORPUS CHRISTI, TX 78414 |
| SP-063 | 53958 | BECK JENNIFER MARIE J PO BOX 1267 INGLESIDE ON THE BAY, TX 78155 |
| SP-064 | 53937 | LEWIS CHARLES R PO BOX 636 ARANSAS PASS, TX 78335 |

| SP-064.001 | | RAILROAD |
|------------|-----------------|--|
| SP-065 | 37183 | BREWSTER S R JR PO BOX 113 ARANSAS PASS, TX 78335 |
| SP-066 | 506547142153925 | REDFISH BAY TERMINAL INC% AMERICAN AD VALOREMPO BOX 271095CORPUS CHRISTI, TX 78427 |
| SP-067 | 71434 | REDFISH BAY TERMINAL % AMERICAN AD VALOREM PO BOX 271095 CORPUS CHRISTI, TX 78427 |
| SP-068 | 71440 | POOLEY FAMILY TRUST HOWARD R. POOLEY TRUSTEE 20503 SUNNY SHORES DR HUMBLE, TX 77346 |
| SP-069 | 71448 39168 | REDFISH BAY TERMINAL % AMERICAN AD VALOREM PO BOX 271095 CORPUS CHRISTI, TX 78427 |

CONSISTENCY WITH THE TEXAS COASTAL MANAGEMENT PROGRAM

| THE APPLICANT SHOULD SIGN THIS STATEMENT AND RETURN WITH APPLICATION PACKET TO: | FOR USACE USE ONLY: |
|--|--|
| U. S. Army Engineer District, Galveston | PERMIT #: |
| CESWG-PE-R | |
| P.O. Box 1229 | Project Mgr: |
| Galveston, TX 77553-1229 | |
| APPLICANT'S NAME AND ADDRESS (PLEASE PRINT): | 39 39 39 |
| Title Mr. First David Last | O'dell Suffix |
| Mailing Address 5005 Riverway, Suite. 110 | Home |
| 5005 Riverway, Suite. 110 | Work 713/623-2412 |
| City Houston State Texas Zip Code 7 | |
| Country USA Email david.odell@fairwaymidstream.com | Fax 713/8632-2382 |
| policies of the Texas Coastal Management Program and be cond The boundary definition is contained in the CMP rules (31 TAC § • To determine whether your proposed activity lies within the CN Service Center at permitting.assistance@glo.texas.gov PROJECT DESCRIPTION: | §503.1). |
| Is the proposed activity at a waterfront site or within coastal, tidal, or navi | gable waters? Yes No |
| If Yes, name affected coastal, tidal, or navigable waters: Redfish Bay | |
| Is the proposed activity water dependent? Yes No (31 TAG | C §501.3(a)(14)) |
| http://tinyurl.com/CMPdefinitions | |
| Please briefly describe the project and all possible effects on coastal resou | irces: |
| Axis proposes to construct a series of facilities and pipelines to transvessels. The project consists three facilities interconnected by a ser drawings, the project will initiate at the proposed Midway Tank Farm Redfish Bay Facility, west of Aransas Pass, connected by a 42" oil paseries of pipelines (1-6" Gas Supply, 1-12" Intermix Return and 2-4 | ries of pipelines. As detailed in the permit south of Taft, Texas extend southeasterly to the pipeline. The project continues southeasterly with |
| Indicate area of impact: See permit drawings | acres or square feet |
| ADDITIONAL PERMITS/ AUTHORIZATIONS REQUIRED: | |
| ✓ Coastal Easement - Date application submitted: ☐ Coastal Lease - Date application submitted: ☐ Stormwater Permit- Date application submitted: ✓ Water Quality Certification - Date application submitted: ✓ Other state/federal/local permits/authorizations required: | |
| 10/404 Permit - USACE | |

| The proposed activity must not adversely affect coastal natural resource areas (CNRAs). | | | | | |
|--|--|--|--|--|--|
| PLEASE CHECK ALL COASTAL NATURAL RESOURCE AREAS THAT MAY BE AFFECTED: | | | | | |
| □ Coastal Barriers □ Critical Erosion Areas ✓ Submerged Lands □ Coastal Historic Areas □ Gulf Beaches ✓ Submerged Aquatic Vegetation ✓ Coastal Preserves □ Hard Substrate Reefs ✓ Tidal Sand or Mud Flats □ Coastal Shore Areas □ Oyster Reefs □ Waters of Gulf of Mexico ✓ Coastal Wetlands □ Special Hazard Areas ✓ Waters Under Tidal Influence □ Critical Dune Areas The applicant affirms that the proposed activity, its associated facilities, and their probable effects comply with the relevant enforce policies of the CMP, and that the proposed activity will be conducted in a manner consistent with such policies. | | | | | |
| PLEASE CHECK ALL APPLICABLE ENFORCEABLE POLICIES: http://tinyurl.com/CMPpolicies | | | | | |
| §501.15 Policy for Major Actions | | | | | |
| §501.16 Policies for Construction of Electric Generating and Transmission Facilities | | | | | |
| §501.17 Policies for Construction, Operation, and Maintenance of Oil and Gas Exploration and Production Facilities | | | | | |
| §501.18 Policies for Discharges of Wastewater and Disposal of Waste from Oil and Gas Exploration and Production Activities | | | | | |
| §501.19 Policies for Construction and Operation of Solid Waste Treatment, Storage, and Disposal Facilities | | | | | |
| §501.20 Policies for Prevention, Response and Remediation of Oil Spills | | | | | |
| §501.21 Policies for Discharge of Municipal and Industrial Wastewater to Coastal Waters | | | | | |
| §501.22 Policies for Nonpoint Source (NPS) Water Pollution | | | | | |
| §501.23 Policies for Development in Critical Areas | | | | | |
| §501.24 Policies for Construction of Waterfront Facilities and Other Structures on Submerged Lands | | | | | |
| §501.25 Policies for Dredging and Dredged Material Disposal and Placement | | | | | |
| §501.26 Policies for Construction in the Beach/Dune System | | | | | |
| §501.27 Policies for Development in Coastal Hazard Areas | | | | | |
| §501.28 Policies for Development Within Coastal Barrier Resource System Units and Otherwise Protected Areas on Coastal Barriers | | | | | |
| §501.29 Policies for Development in State Parks, Wildlife Management Areas or Preserves | | | | | |
| §501.30 Policies for Alteration of Coastal Historic Areas | | | | | |
| §501.31 Policies for Transportation Projects | | | | | |
| §501.32 Policies for Emission of Air Pollutants | | | | | |
| §501.33 Policies for Appropriations of Water | | | | | |
| §501.34 Policies for Levee and Flood Control Projects | | | | | |

Please explain how the proposed project is consistent with the applicable enforceable policies identified above. Please use additional sheets if necessary. For example: If you are constructing a pier with a covered boathouse, then the applicable enforceable policy is: §501.24 Policies for Construction of Waterfront Facilities and Other Structures on Submerged Lands. The project is consistent because it will not interfere with navigation, natural coastal processes, and avoids/minimizes shading.

Section 501.20: All facilities that store oil will be constructed with adequate secondary containment. A Spill Prevention Plan will be developed for the facilities.

Section 501.23: The project has been designed to avoid impacts to seagrasses within the BBSSA through use of HDD where feasible, and implementation of best management practices such as use of existing oil/gas infrastructure, turbidity curtains, etc. Mitigation for unavoidable impacts to wetlands will be developed.

Section 501.25: Spoil will be placed in non-vegetated open water areas where feasible. Excavated materials will be used as backfill upon completion.

BY SIGNING THIS STATEMENT, THE APPLICANT IS STATING THAT THE PROPOSED ACTIVITY COMPLIES WITH THE TEXAS COASTAL MANAGEMENT PROGRAM AND WILL BE CONDUCTED IN A MANNER CONSISTENT WITH SUCH PROGRAM

Signature of Applicant/Agent

Date

Any questions regarding the Texas Coastal Management Program should be referred to:

Allison Buchtien

Texas General Land Office

1001 Texas Clipper Road

PMEC #3027, Room 135

Galveston, Texas 77554

Phone: (409) 741-4057 Fax: (409) 741-4010

Toll Free: 1-866-894-7664

permitting.assistance@glo.texas.gov

Jesse Solis

Texas General Land Office

6300 Ocean Drive, Unit 5848

Corpus Christi, Texas 78412

Phone: (361) 825-3050 Fax: (361) 825-3040

Toll Free: 1-866-894-3578

permitting.assistance@glo.texas.gov

Tier II 401 Certification Questionnaire and Alternatives Analysis Checklist

Does your project meet Texas' water quality standards?

The Texas Commission on Environmental Quality (TCEQ) must consider this question for all proposed projects seeking a Section 404 dredge and fill permit.

One of the requirements for obtaining a Corps of Engineers Section 404 permit is certification from the TCEQ that the permit will comply with State water quality standards. This requirement is authorized by Section 401 of the Federal Clean Water Act and is therefore referred to as \$401 certification.

The attached §401 certification questionnaire must be submitted in order for the TCEQ to determine whether or not a project should be granted §401 certification. Please note that the information requested in this questionnaire is not required in order for a Section 404 application to be considered administratively complete by the Corps of Engineers. However, failure to provide this information (including the Alternatives Analysis Checklist) to the TCEQ (within 30 days of the public notice) may cause your project to be denied §401 certification without prejudice.

What do you need to submit to TCEQ?

- 1. A completed §401 certification questionnaire
- 2. A completed Alternatives Analysis Checklist (if your project affects surface water in the State, including wetlands)
- 3. A map with the location of the project clearly marked (A U.S. Geological Survey (USGS) topographic map strongly recommended)
- 4. Photographs or a video cassette showing the project area and any associated disposal areas (Map and photos should be numbered to show where the photos were taken, and the area covered by each photo)

What is involved in review of Section 401 certifications?

- 1. Filing an application with the Corps starts both the §404 permit and the 401 certification processes
- 2. A Joint Public Notice is issued by the Corps and the TCEQ after receipt by the Corps of a completed application to inform the public and other government agencies of the proposed activity
 - A 30-day comment period follows
 - The TCEQ may hold a public hearing to consider the potential adverse impacts of the proposed project on water quality
- 3. The TCEQ may request additional information from the application, persons submitting comments or requesting a hearing, or other resource agencies
- 4. A final §401 certification decision will be provided following the end of the comment period.



Tier II

401 Certification Questionnaire

The following questions seek to determine how adverse impacts will be avoided during construction or upon completion of the project. If any of the following questions are not applicable to your project, write NA ("not applicable") and continue.

Please include the applicant's name as it appears on the Corps of Engineers' permit application (and permit number, if known) on all material submitted. The material should be sent to:

Texas Commission on Environmental Quality Attn: 401 Coordinator (MC-150) P.O. Box 13087 Austin, TX 78711-3087

I. Impacts to surface water in the State, including wetlands

A. What is the area of surface water in the State, including wetlands, that will be disturbed, altered or destroyed by the proposed activity?

<u>Affected Acreage – Pipeline Corridor</u>

- Black Mangrove 2.16 ac
- Estuarine Öpen Water 23.84 ac
- Estuarine Wetlands 6.84 ac
- Oil & Gas Canals 21.96 ac
- Oyster Shells 0.01 ac
- Seagrass Beds 9.74 ac
- Tidal Flats 15.56 ac -
- Water Bodies (other) 0.73 ac

Affected Acreage – Redfish Facility
• Estuarine Wetlands – 133 ac

- B. Is compensatory mitigation proposed? If yes, submit a copy of the mitigation plan. If no, explain why not.

Mitigation for unavoidable impacts to wetlands is under development.

C. Please complete the attached Alternatives Analysis Checklist.



Tier II

II. Disposal of waste materials

A. Describe the methods for disposing of materials recovered from the removal or destruction of existing structures.

NA

B. Describe the methods for disposing of sewage generated during construction. If the proposed work establishes a business or a subdivision, describe the method for disposing of sewage after completing the project.

Terrestrial operations will include Port-O-Lets that will be managed by contract. Marine Operations will have on-board sanitary systems.

C. For marinas, describe plans for collecting and disposing of sewage from marine sanitation devices. Also, discuss provisions for the disposing of sewage generated from day-to-day activities.

NA

III. Water quality impacts

A. Describe the methods to minimize the short-term and long-term turbidity and suspended solids in the waters being dredged and/or filled. Also, describe the type of sediment (sand, clay, etc.) that will be dredged or used for fill.

For terrestrial construction operations the applicant will utilize silt fencing, sand bag or filter berms, hay bale dikes, blankets and matting, temporary mulching, etc., for short-term measures. For long-term stabilization upon completion of the project, affected areas outside of the facilities will be seeded and mulched. Areas within the facilities will be stabilized using soil cement and rock.

For marine operations the applicant will utilize turbidity curtains where practicable.

Sediments in the area consist of sand, silt and loam. Excavated materials will be utilized as backfill upon completion.

B. Describe measures that will be used to stabilize disturbed soil areas, including: dredge material mounds, new levees or berms, building sites, and construction work areas. The description should address both short-term (construction related) and long-term (normal operation or maintenance) measures. Typical measures might include containment structures, drainage modifications, sediment fences, or vegetative cover. Special construction techniques intended to minimize soil or sediment disruption should also be described.

See above response.

C. Discuss how hydraulically dredged materials will be handled to ensure maximum settling of solids before discharging the decant water. Plans should include a calculation of minimum settling times with supporting data (Reference: Technical Report, DS-7810, Dredge Material Research Program, GUIDELINES FOR DESIGNING, OPERATING, AND MAINTAINING DREDGED MATERIAL CONTAINMENT AREAS). If future maintenance dredging will be required, the disposal site should be designed to accommodate additional dredged materials. If not, please include plans for periodically removing the dried sediments from the disposal area.

NA. No hydraulic dredging of materials is proposed.

C. Describe any methods used to test the sediments for contamination, especially when dredging in an area known or likely to be contaminated, such as downstream of municipal or industrial wastewater discharges.

NA. No testing of the sediments for contamination is proposed.



Tier II Alternatives Analysis Checklist

Alternatives

A. How could you satisfy your needs in ways which do not affect surface water in the State?

The proposed action is the least damaging feasible alternative. On land the pipeline is situated in agricultural fields and adjacent to existing pipeline corridors to the maximum extent practicable. The applicant will use directional bores to avoid impacts to water bodies and horizontal directional drilling at Redfish Bay, as practicable, to avoid impacts to seagrasses. The applicant will utilize existing oil and gas infrastructure for pipeline installation to the maximum extent practicable. Best management practices (i.e., turbidity curtains, etc.) will be installed to minimize impacts to water quality.

B. How could the project be re-designed to fit the site without affecting surface water in the State?

No. To accomplish the project purpose "to construct a series of facilities and pipelines to transport crude oil for loading onto marine transport vessels" the project will affect surface waters of the State. The proposed action is the least damaging feasible alternative.

C. How could the project be made smaller and still meet your needs?

No. The project is designed to meet to provide sufficient storage and transfer capacity to meet onloading requirements of large marine transport vessels.

- D. What other sites were considered?
 - 1. What geographical area was searched for alternative sites? The search area included lands in proximity to a deep-water channel to allow for ingress and egress of large marine transport vessels and for storage areas of sufficient size to facilitate operations.
 - 2. How did you determine whether other non-wetland sites are available for development in the area?

The Harbor Island site met the criteria for access to a deep-water channel (i.e., Corpus Christi Channel) and was of sufficient size to facilitate transfer operations. The Redfish Facility was selected for its size and location within an industrialized area.

3. In recent years, have you sold or leased any lands located within the vicinity of the project? If so, why were they unsuitable for the project?

NA



Tier II

C. What are the consequences of not building the project?

The project is of critical importance for the energy sector within the State of Texas and consistent with the nation's move toward energy independence. Current facilities are not designed to handle larger deep draft transport vessels, would require additional travel distance and time and their current capacity for loading is limited. Funds authorizing the deepening of the Corpus Christi Channel have been allocated by the Corps specifically to facilitate growth of the area. The No action alternative would result in a loss of revenue to the State and not be in concert with spending allocated for improvement of commerce shipping in the area.

II. Comparison of alternatives

A. How do the costs compare for the alternatives considered above?

Costs for the project increases with land acquisition, length and construction methodology.

B. Are there logistical (location, access, transportation, etc.) reasons that limit the alternatives considered?

Installation of the pipelines from Redfish to Harbor Island would require a ± 150-ft. construction right-of-way for land operations. This would include the burial trench, spoil placement area and traffic areas for construction. This requirement precludes construction within urban areas.

It was determined that the maximum effective length for horizontal directional drilling (HDD) of multiple large pipelines was approximately 5,500-ft. This limitation precluded HDD alternatives from the existing oil/gas canal infrastructure from the south.

C. Are there technological limitations for the alternatives considered?

The current maximum distance for HDD for installation of a 42" pipeline is approximately 5,500-ft. (land-based operation). The maximum distance for land to water operations is unknown. The HDD of multiple pipelines further complicates use of this technology.

D. Are there other reasons certain alternatives are not feasible?

Other alternatives considered may result in greater impacts to wetland resources such as seagrasses, mangroves and tidal marshlands.



Tier II

- III. If you have not chosen an alternative which would avoid impacts to surface water in the State, please explain:
 - A. Why your alternative was selected, and

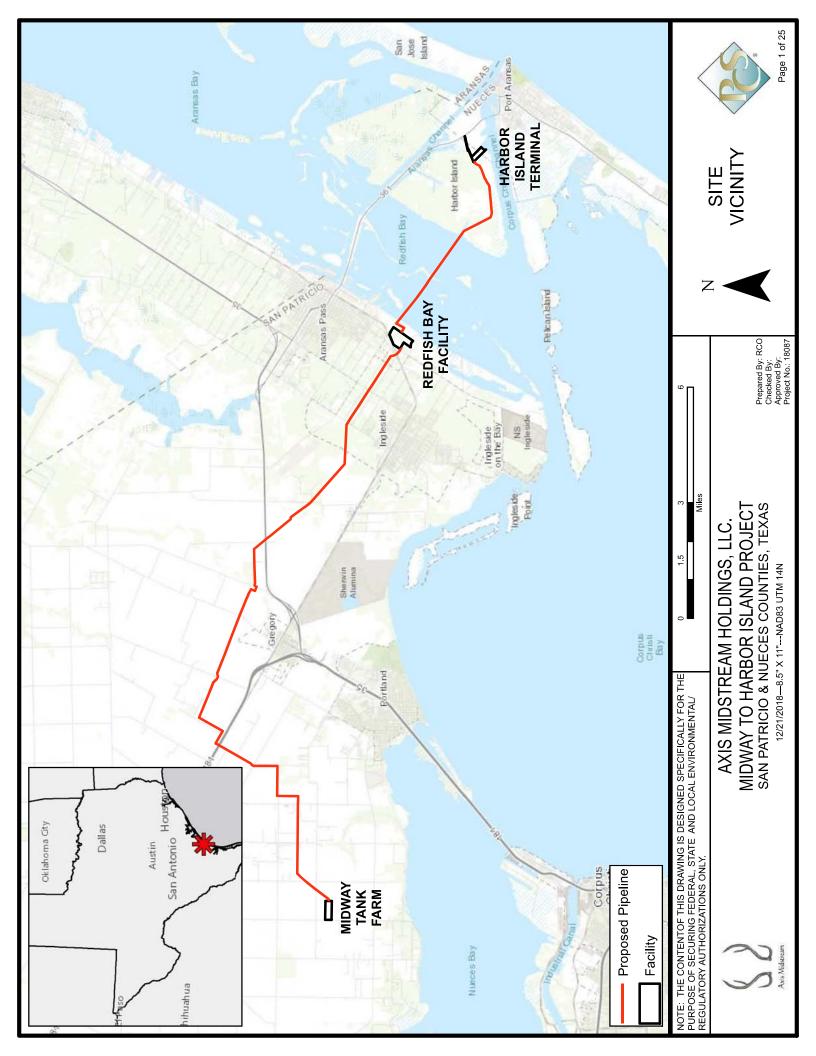
The preferred alternative represents the least damaging feasible alternative.

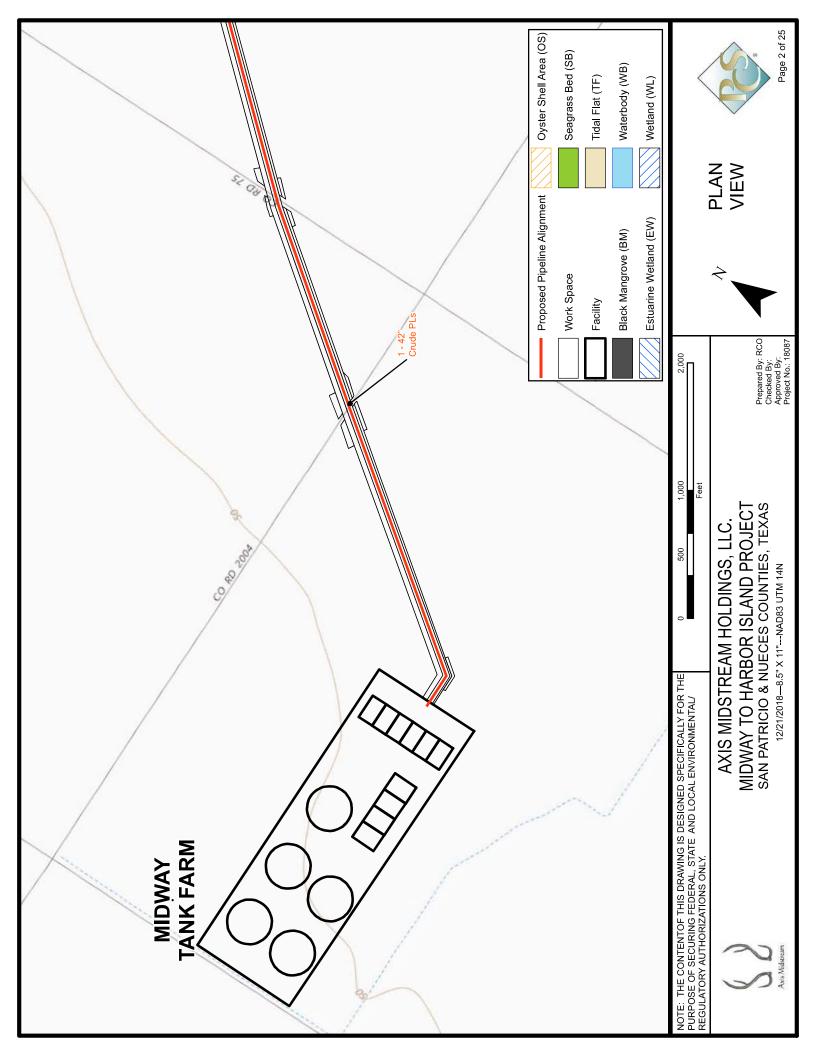
B. What you plan to do to minimize adverse effects on the surface water in the State impacted.

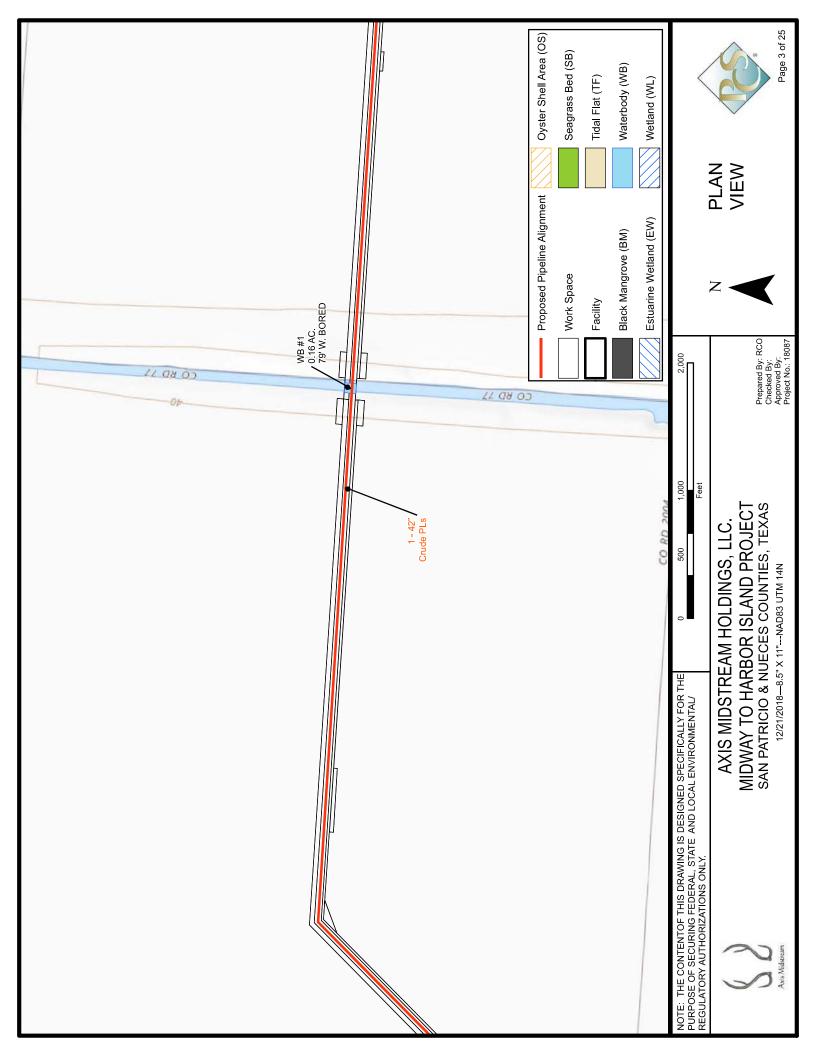
Where feasible the pipelines will be installed by HDD. In those areas where conventional construction techniques are utilized turbidity curtains will be installed during construction.

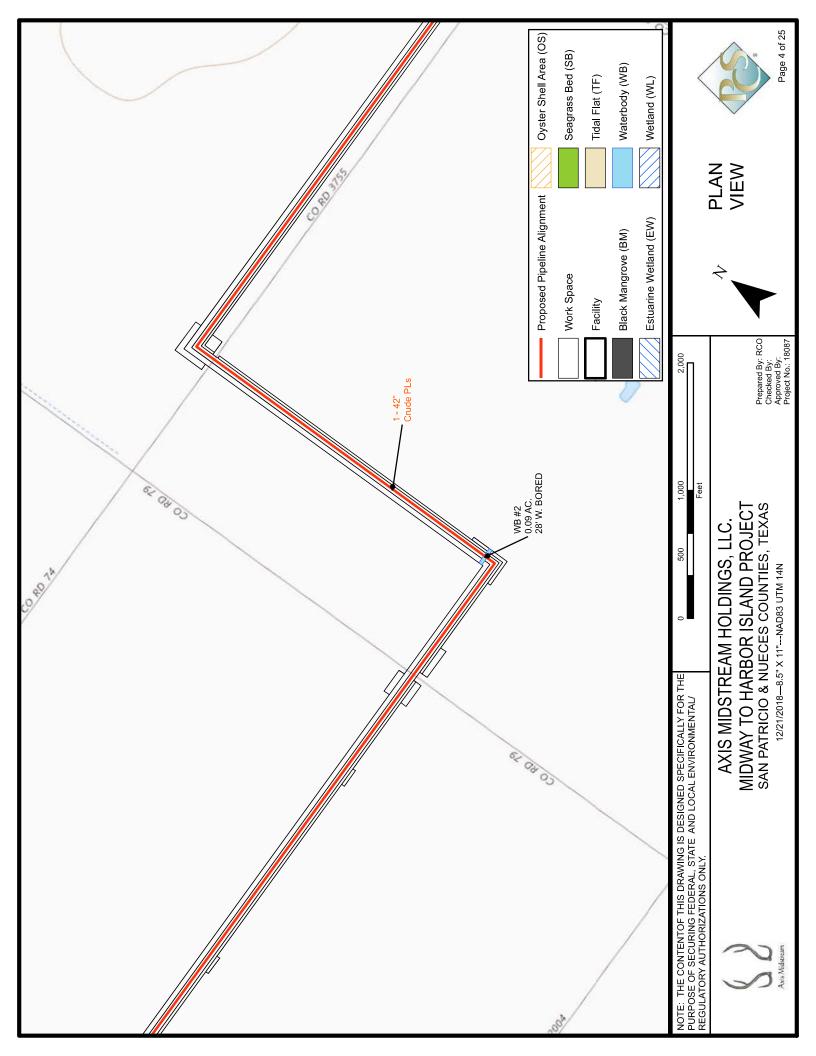
IV. Please provide a comparison of each criteria (from Part II) for each site evaluation in the alternatives analysis.

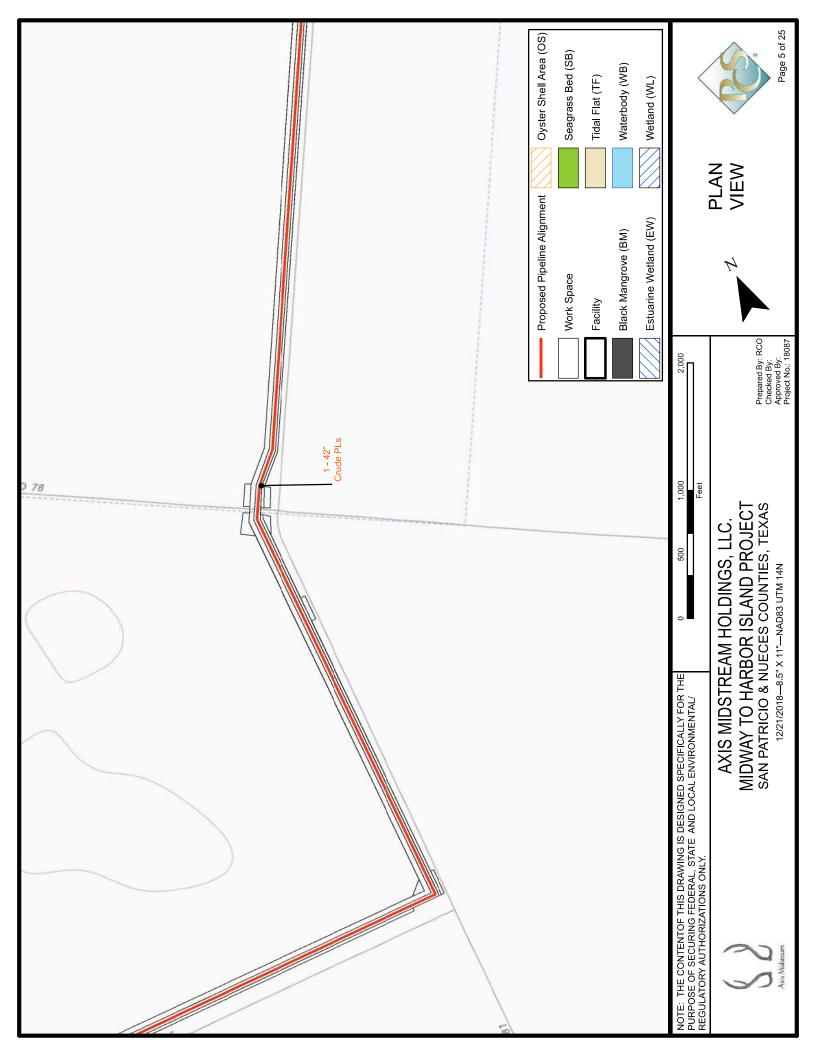
A detailed Alternatives Analysis to be provided.

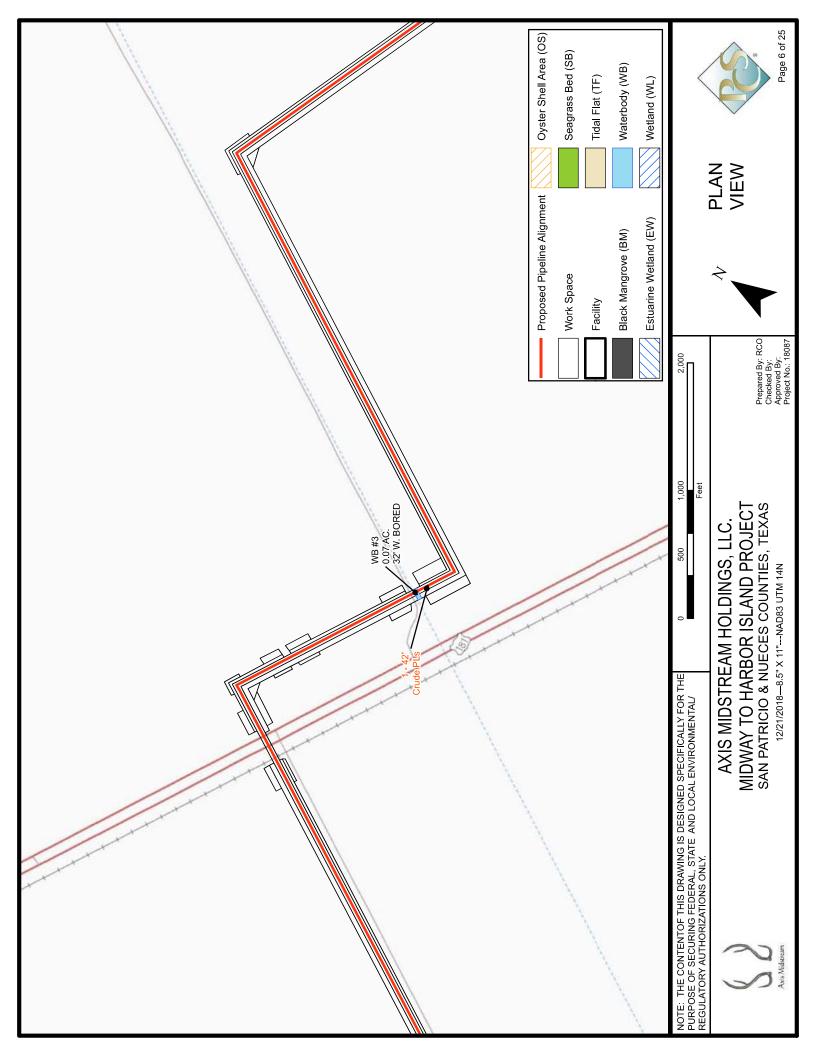


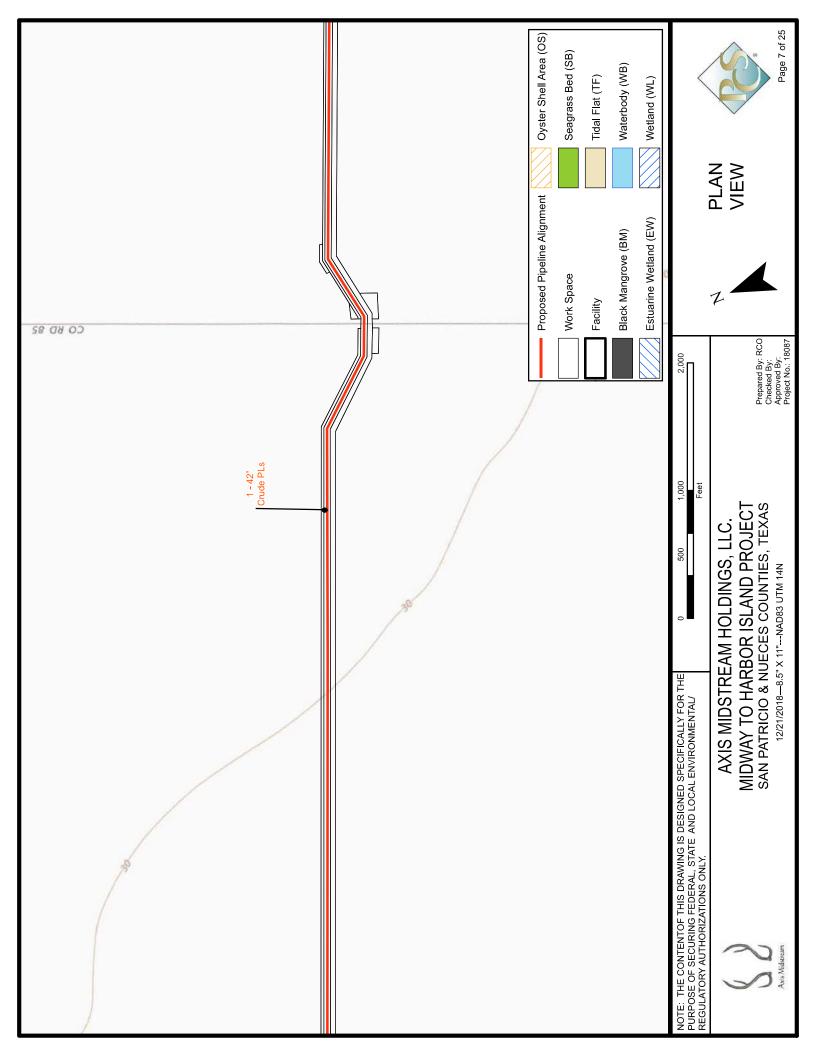


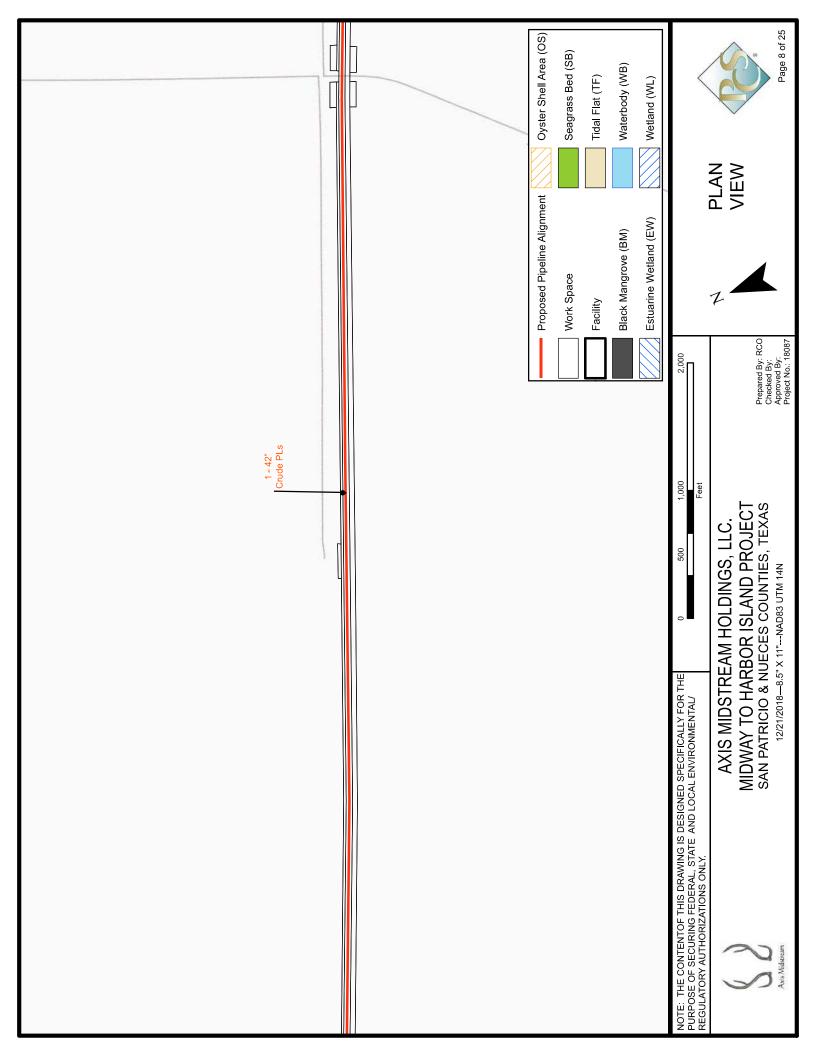


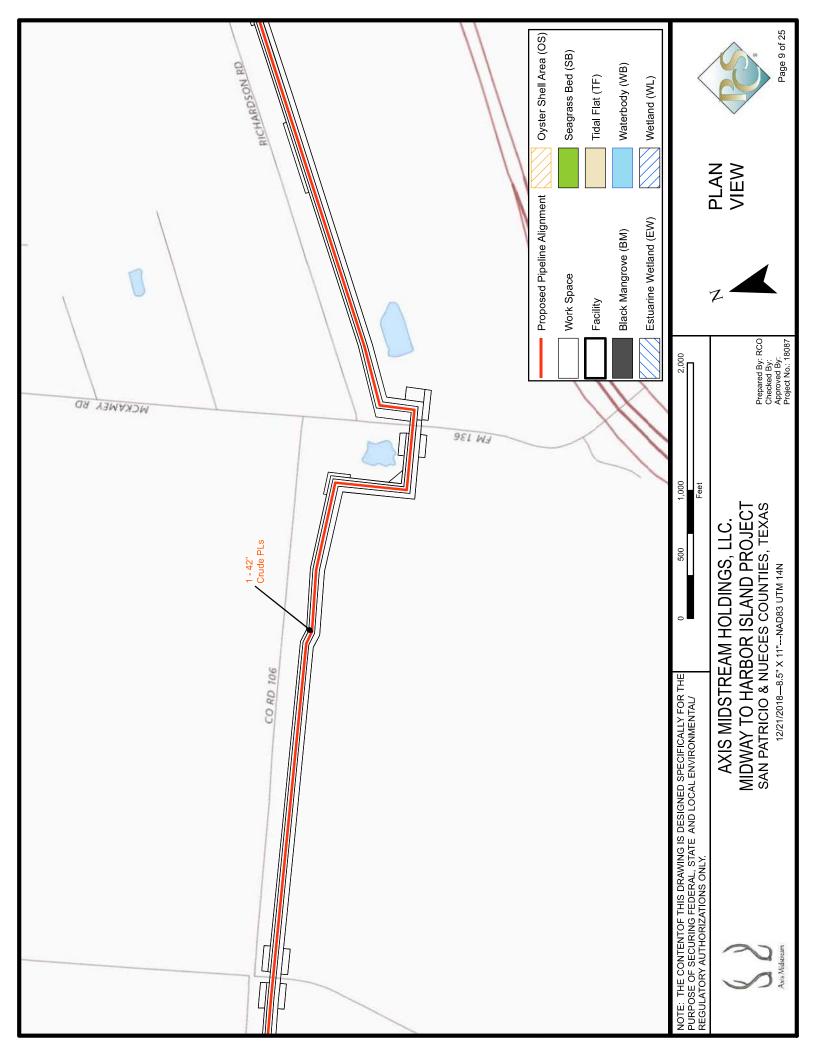


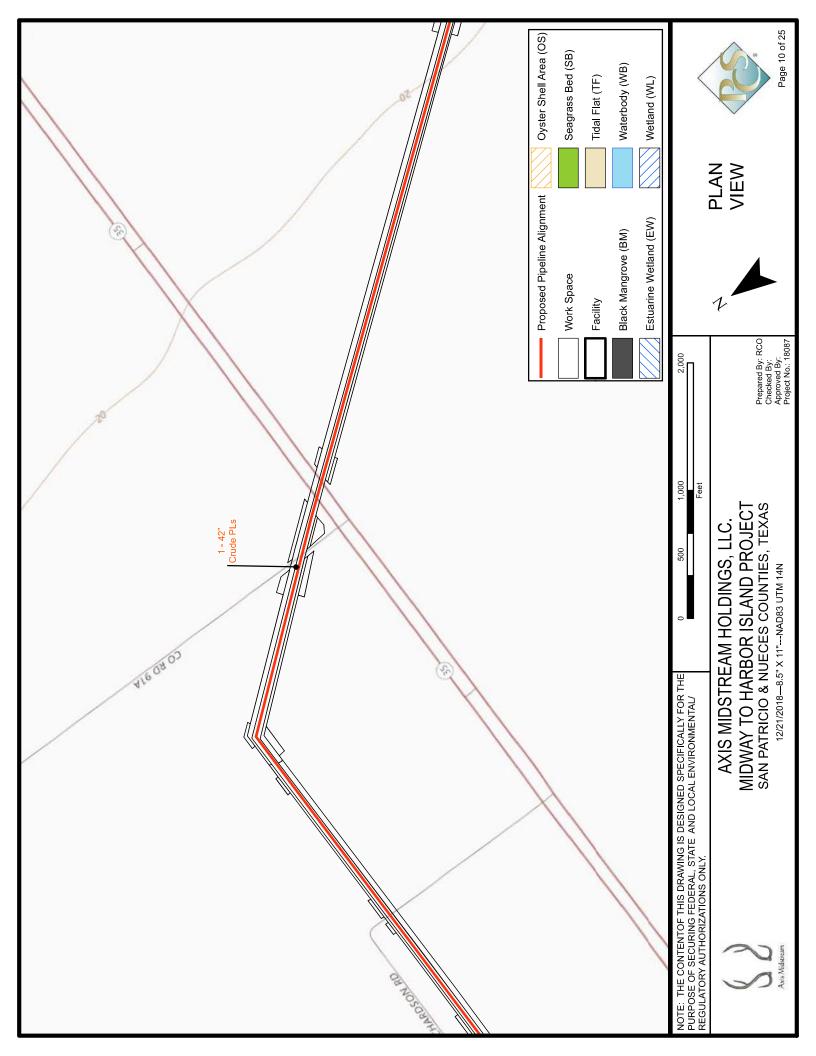


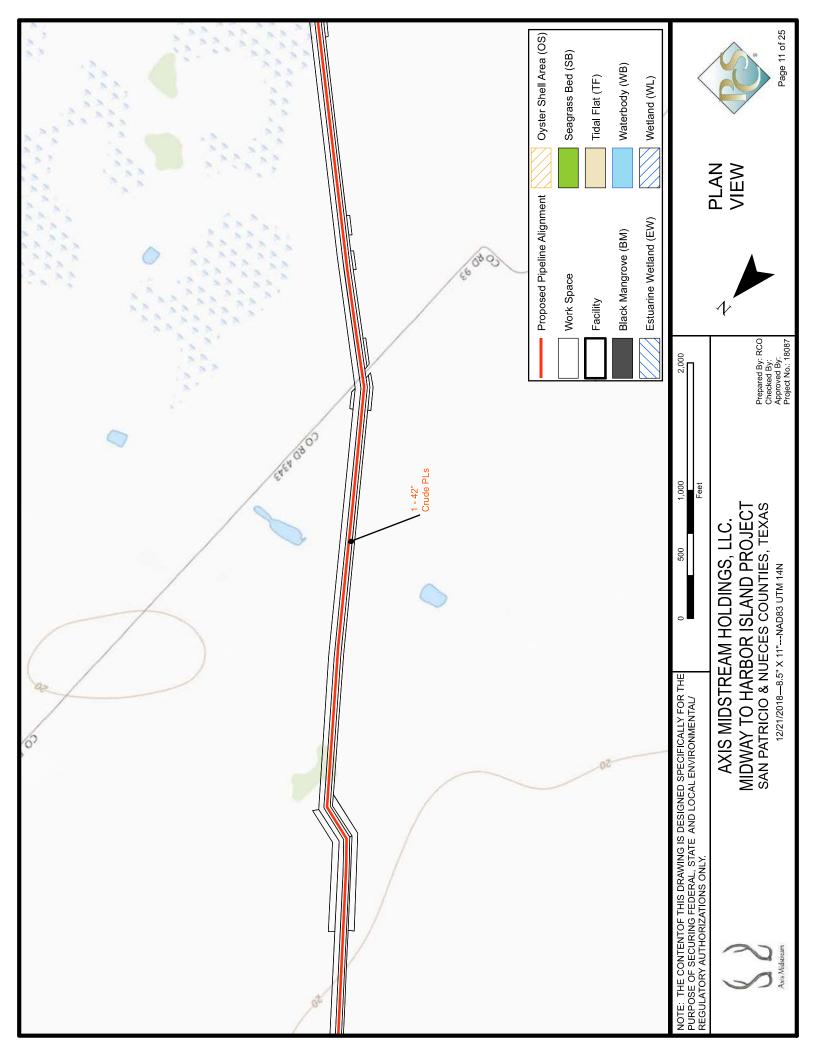


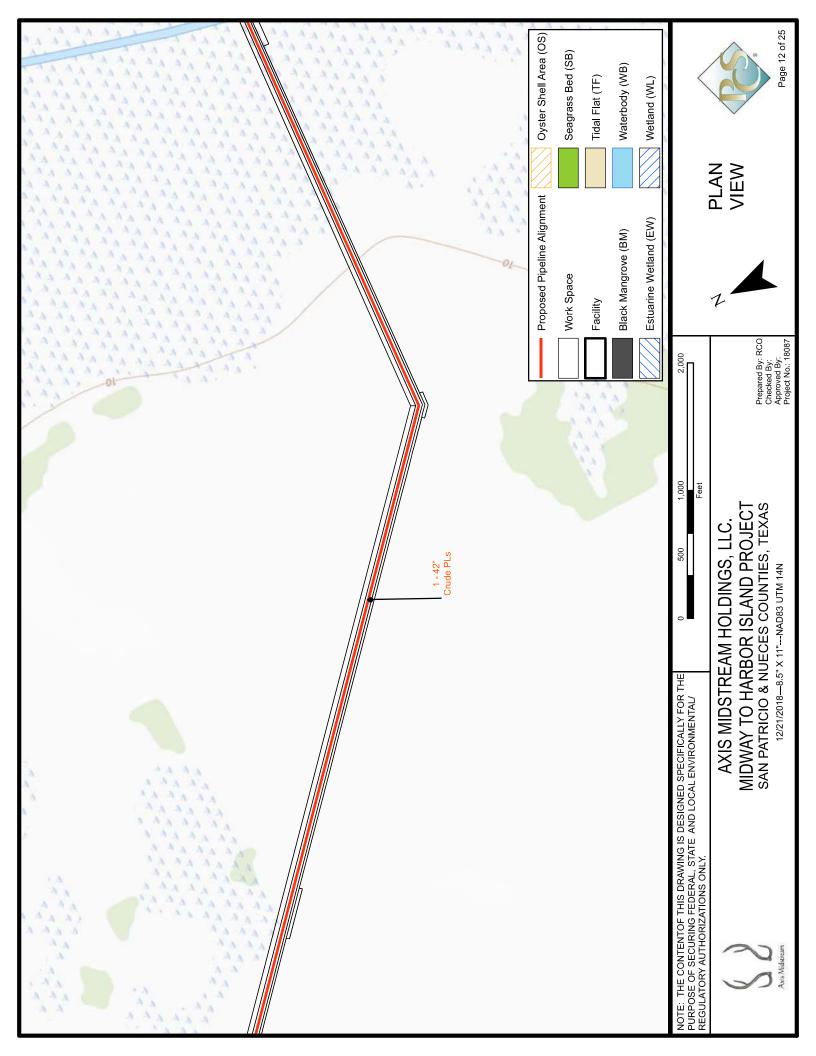


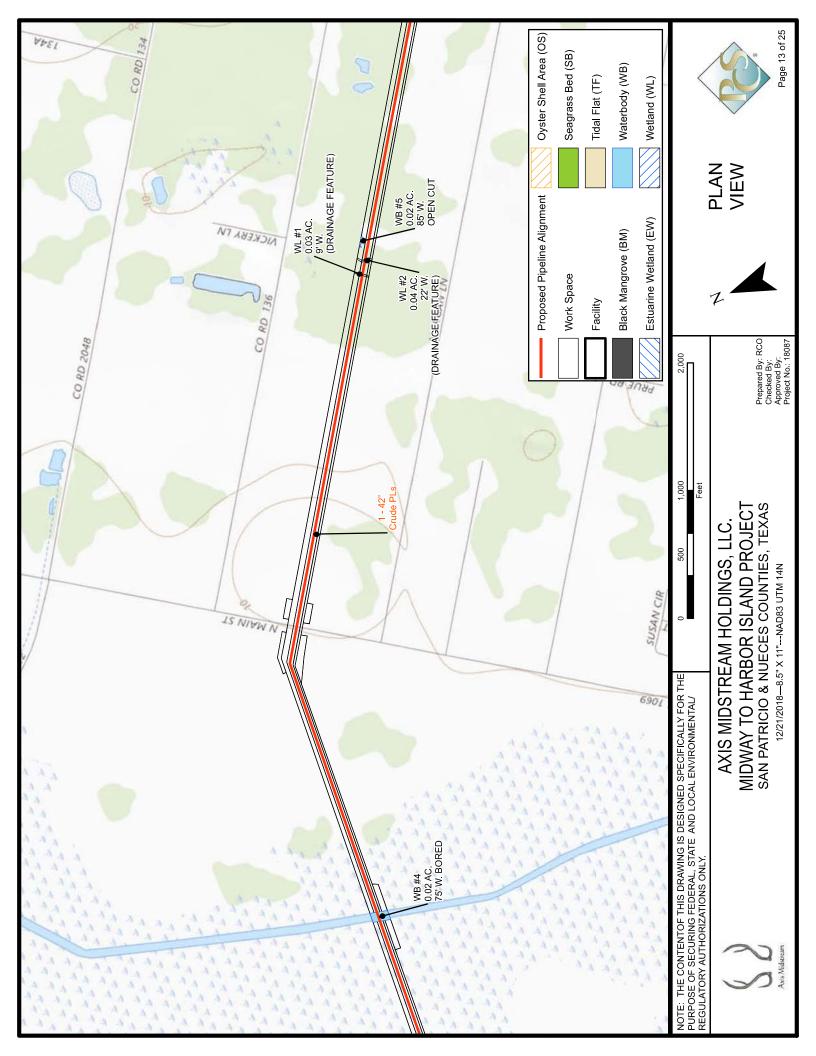


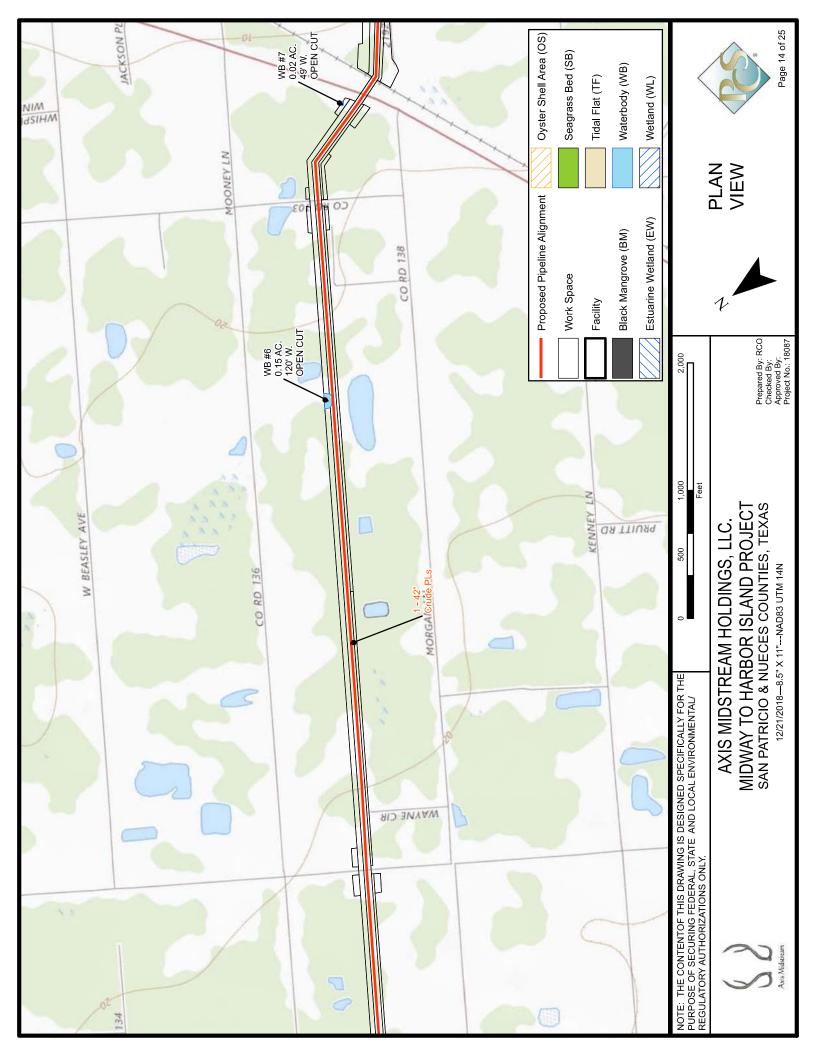


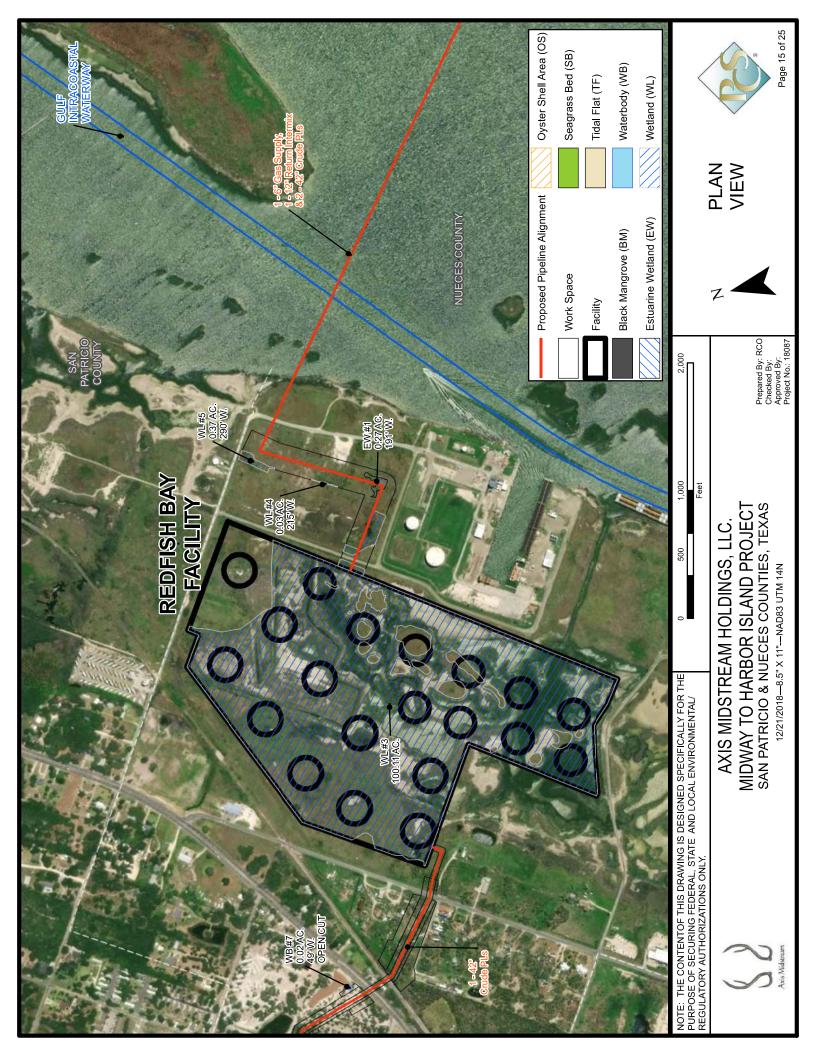


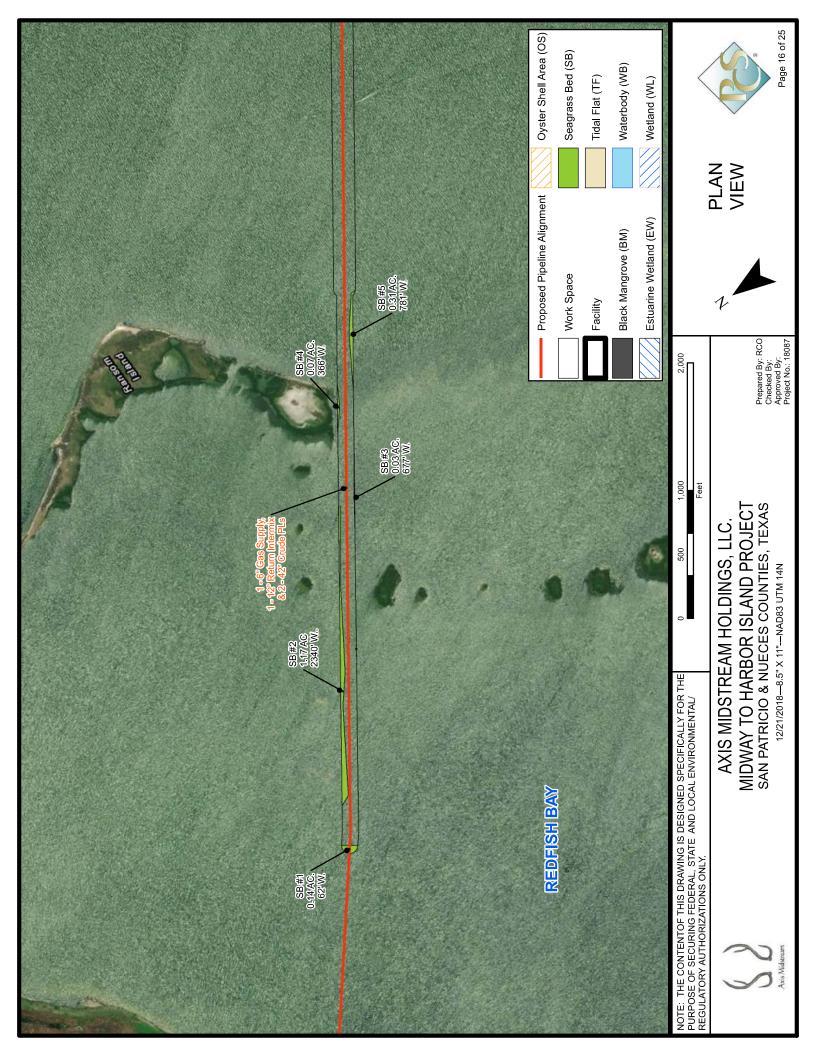


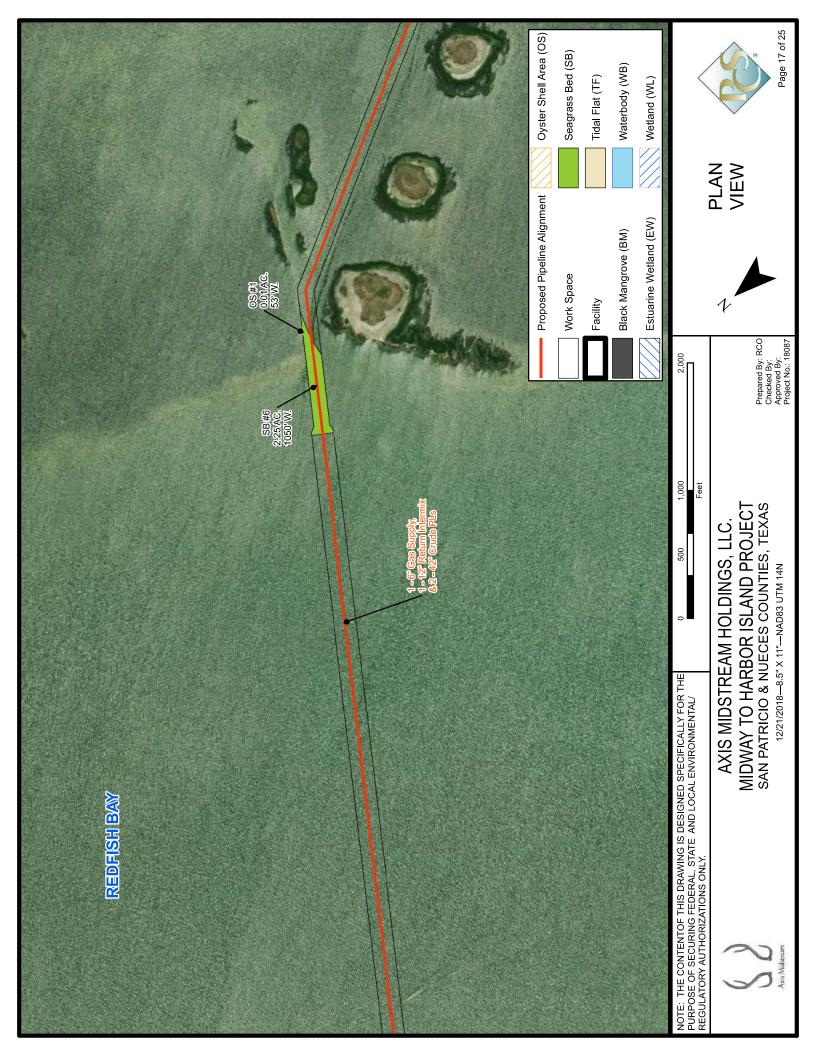


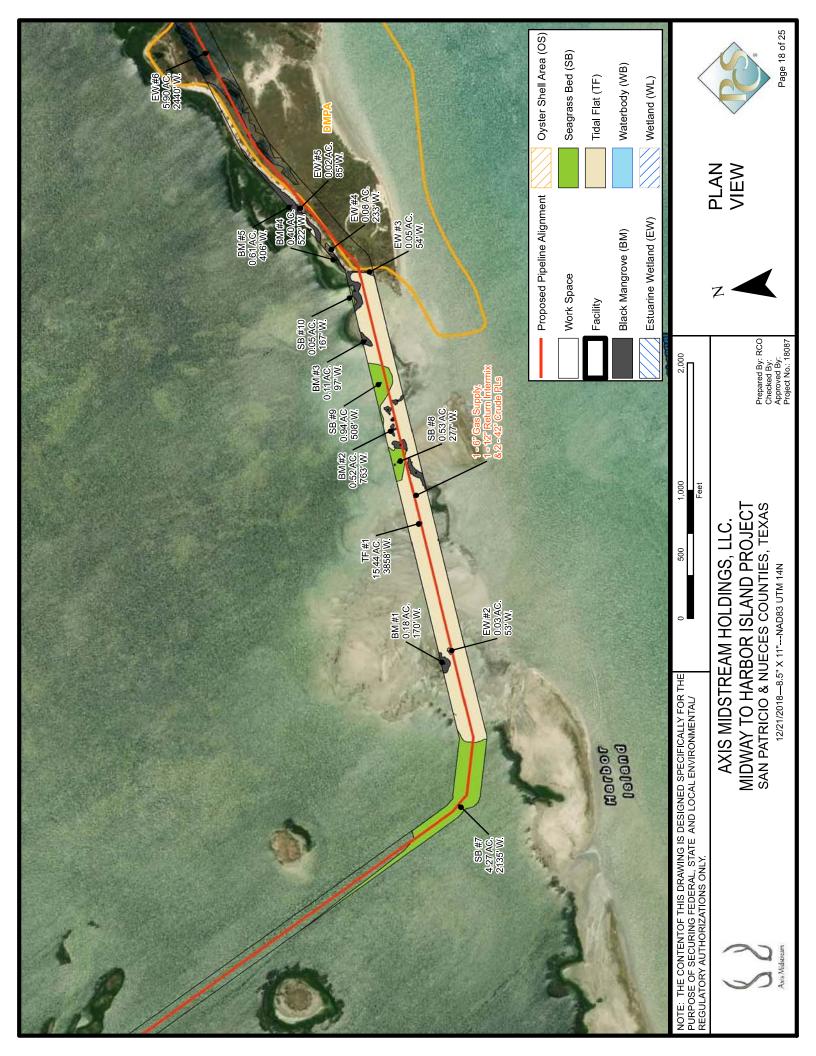


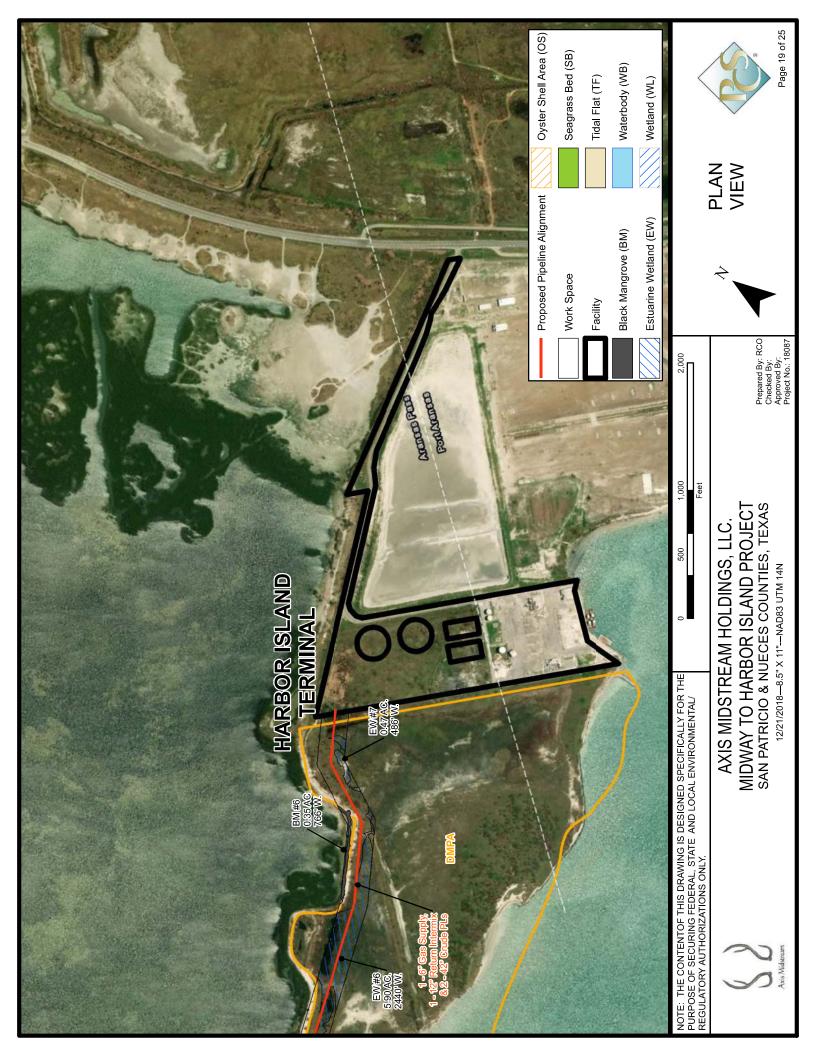












ATTACHMENT 1 - Items 21 & 22

| 21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards: | and the Amount o | of Each Type in Cubic Yards: | |
|--|-------------------------|------------------------------|--------------|
| Excavation for access in O&G canals | $65,995 \mathrm{yd}^3$ | Canal bottom materials | RESOURCE |
| Excavation for pipeline burial in O&G canals 125, 706 yd ³ | | Canal bottom materials | Wetlands * |
| O motors and and in include only and the second | | Dave Leathern material | Black Mangr |
| Excavation for pipeline burial in open water 87,925 yd | | Day bottoin materials | |
| Excavation for pipeline burial in wetlands | $125,007 \text{ yd}^3$ | Earthen material | |
| Fill for Redfish Facility | 1,841,480 yd³ Fill dirt | Fill dirt | *Temporal In |

| 22. Surface Area in Acres of Wetlands or Other Waters Filled | |
|---|-------------|
| Affected Acreage - Pipeline | |
| AREA WITHIN REDFISH BAY | |
| RESOURCE TYPE ACRE TOTAL | RE TOTAL |
| Black Mangrove | 2.08 |
| Wetlands * | 0.51 |
| Oyster Shells | 0.01 |
| Seagrass Beds | 9.74 |
| Tidal Flats * | 15.56 |
| AREA WITHIN DMPA | |
| RESOURCE TYPE AFFECTED AC | ACRE TOTAL |
| Wetlands * | 6.33 |
| Black Mangrove | 0.08 |
| *Temporal Impacts: Work space to be restored to pre-project elevations upon completion of the activity. | tion of the |
| Affected Acreage - Pipeline | |
| RESOURCE TYPE AFFECTED AC | ACRE TOTAL |
| Estuarine Open Water | 23.84 |
| Oil & Gas Canal | 21.96 |
| Waterbodies (Other) | 0.73 |
| Affected Acreage–Redfish Facility | |
| RESOURCE TYPE AFFECTED AC | ACRE TOTAL |
| Estuarine Wetlands | 133 |
| | |

NOTE: THE CONTENTOF THIS DRAWING IS DESIGNED SPECIFICALLY FOR THE PURPOSE OF SECURING FEDERAL, STATE AND LOCAL ENVIRONMENTAL/ REGULATORY AUTHORIZATIONS ONLY.



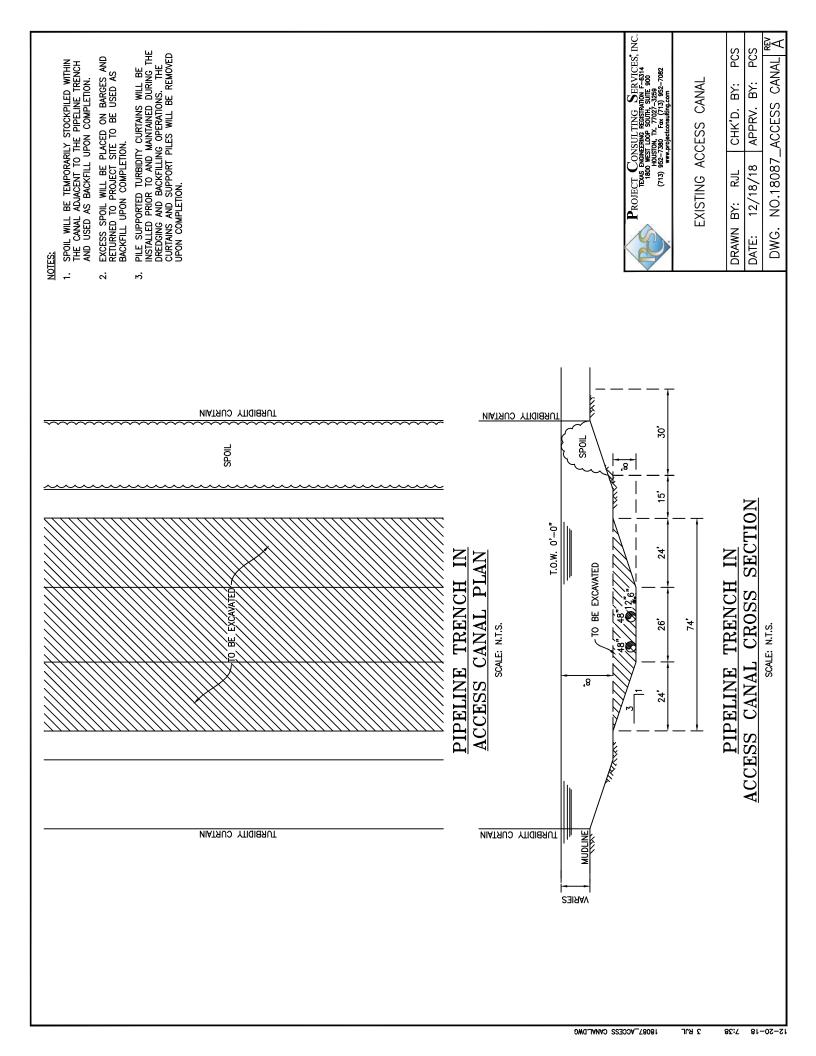
Axis Midstream

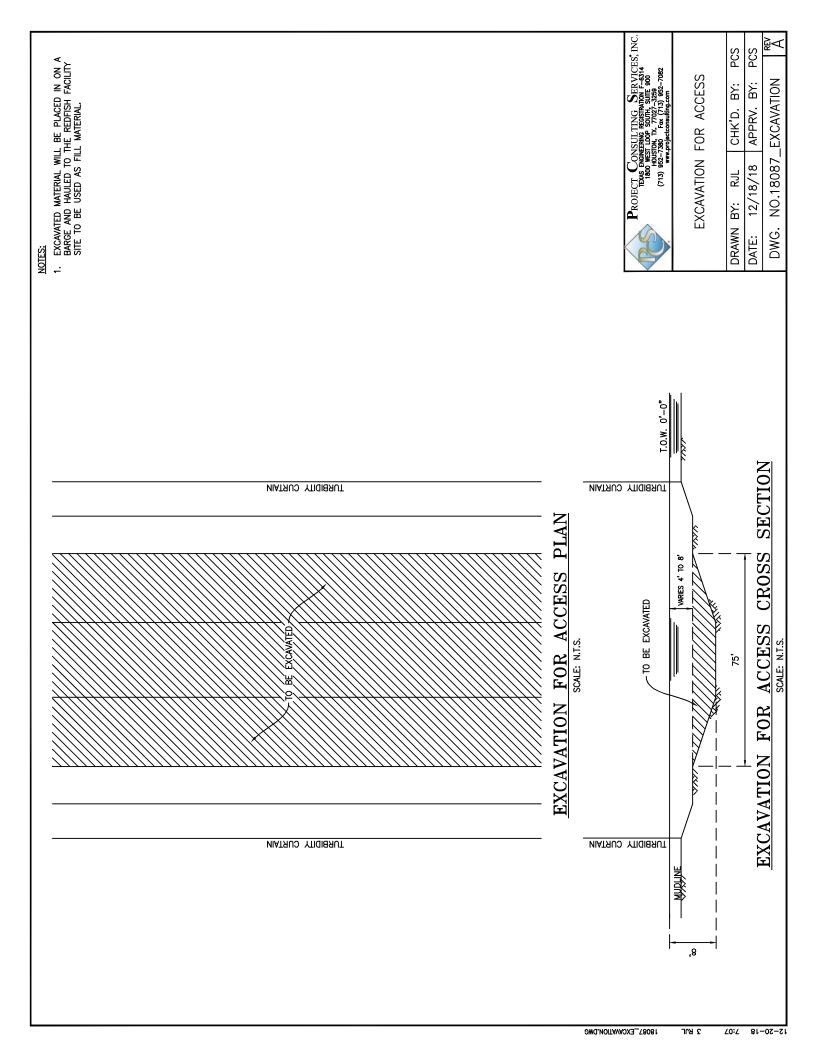
AXIS MIDSTREAM HOLDINGS, LLC.
MIDWAY TO HARBOR ISLAND PROJECT
SAN PATRICIO & NUECES COUNTIES, TEXAS
12/21/2018—8.5" x 11"--NAD83 UTM 14N

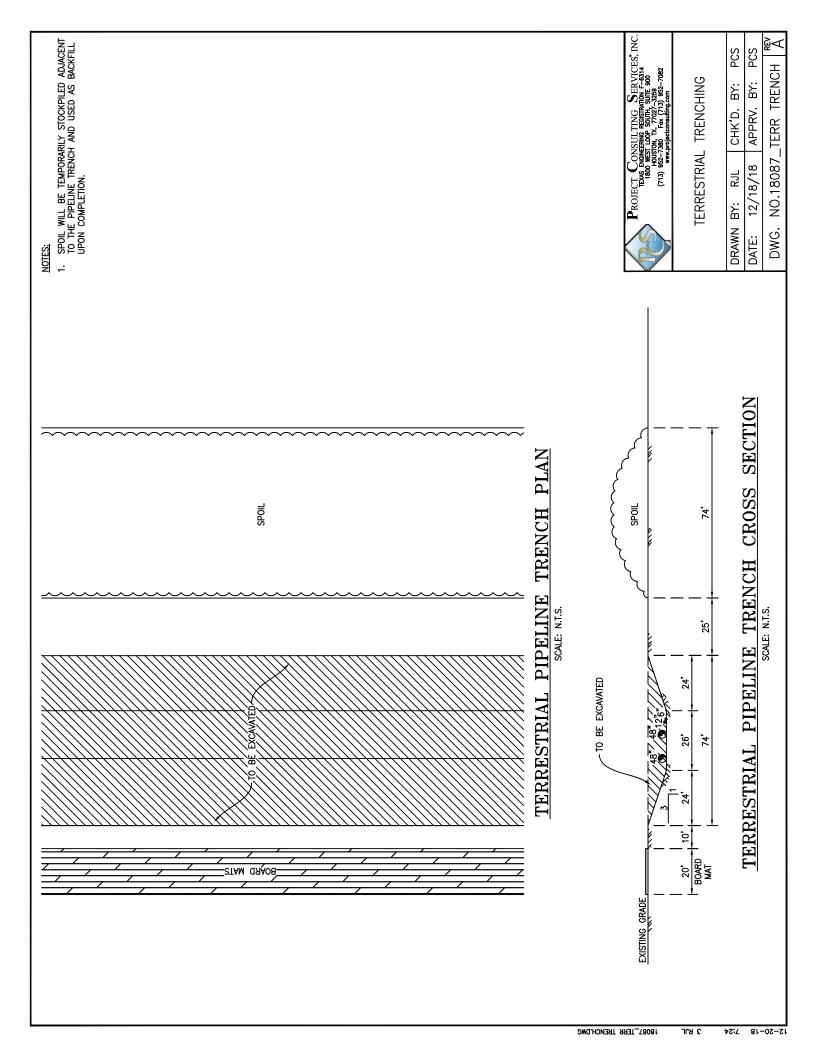
Prepared By: RCO Checked By: Approved By: Project No.: 18087

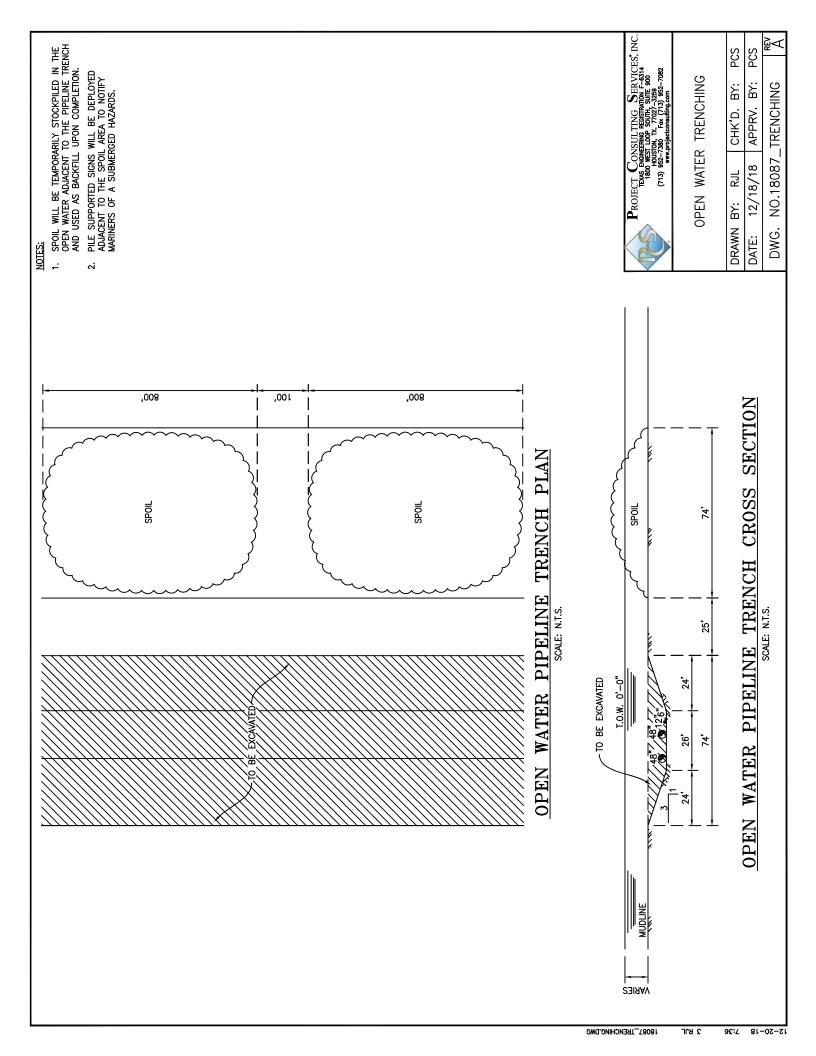
ACREAGE

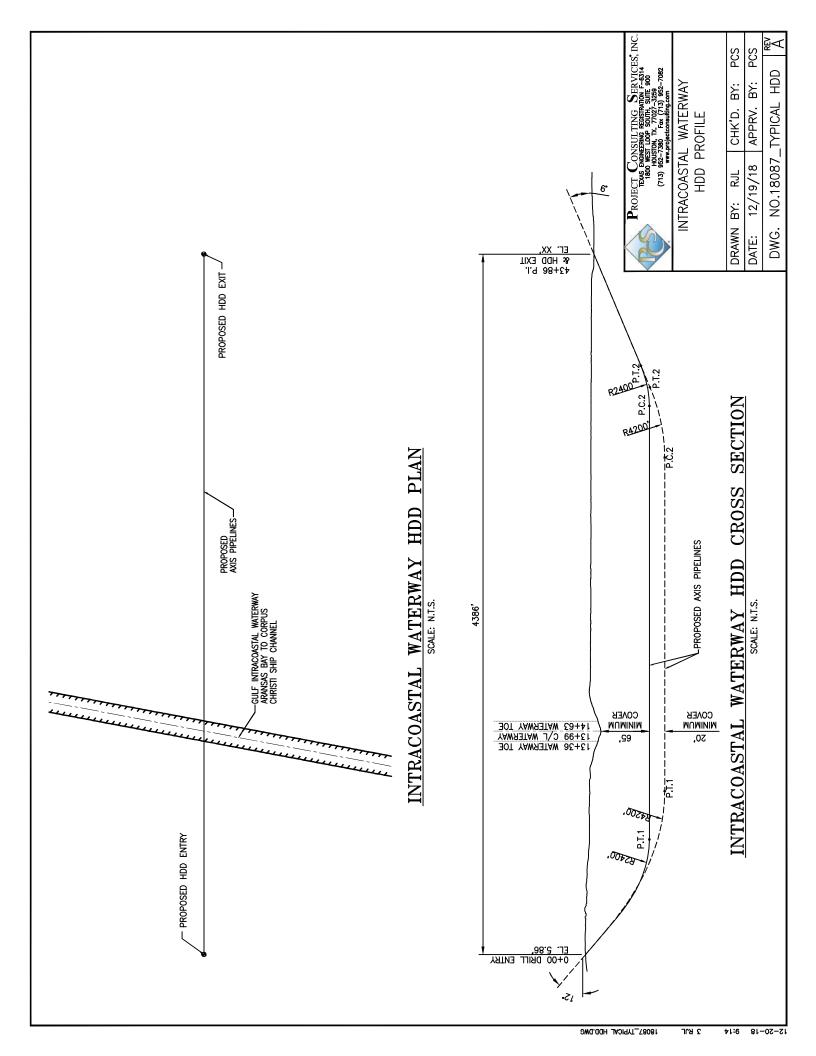
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Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

- A. REPORT COMPLETION DATE FOR PJD:
- B. NAME AND ADDRESS OF PERSON REQUESTING PJD: Robert Ganczak
- C. DISTRICT OFFICE, FILE NAME, AND NUMBER:
- D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:
 (USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: Texas County/parish/borough: San Patricio, Nueces City: NA

Center coordinates of site (lat/long in degree decimal format):

Lat.: 27.933319° Long.: -97.269563°

Universal Transverse Mercator: NA

Name of nearest waterbody: Redfish Bay

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date:

Field Determination. Date(s): November 27, 28 & 29, 2018

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.

| Site number | Latitude (decimal degrees) | Longitude (decimal degrees) | Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable) | Type of aquatic resource (i.e., wetland vs. non-wetland waters) | Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404) |
|----------------|----------------------------------|-----------------------------------|--|---|---|
| | | | See Attached | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "preconstruction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "may be" waters of the U.S. and/or that there "may be" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items: Maps, plans, plots or plat submitted by or on behalf of the PJD requestor: Map: Site Vicinity, Topographic, NWI, NRCS Soils, Floodplain Data sheets prepared/submitted by or on behalf of the PJD requestor. Office concurs with data sheets/delineation report. Office does not concur with data sheets/delineation report. Rationale: Data sheets prepared by the Corps: ______ ☐ Corps navigable waters' study: _____ U.S. Geological Survey Hydrologic Atlas: North Corpus Christi Bay - 12110201, Aransas - 12100407, Aransas Bay - 12100405 USGS NHD data. USGS 8 and 12 digit HUC maps. U.S. Geological Survey map(s). Cite scale & quad name: _____ Indicate: Gregory, Aransas Pass, Port Ingleside, Port Aransas National wetlands inventory map(s). Cite name: http://www.fws.gov/wetlands/Data/Mapper.html ☐ State/local wetland inventory map(s): ___ FEMA/FIRM maps: Panels: 48409C0425E, 48409C0440E, 48409C0450E, 409C0445E, 48409C0465E, 48409C0470E, 48409C0810E, 4854530055B, 4854530080C, 4854840230D, 4854980003F, 4854980003F, 4854980003F 100-year Floodplain Elevation is: NA .(National Geodetic Vertical Datum of 1929) Photographs: Aerial (Name & Date): NAIP 2015 Other (Name & Date): Previous determination(s). File no. and date of response letter: Other information (please specify): IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations. 12/21/18 Signature and date of Signature and date of

person requesting PJD

(REQUIRED, unless obtaining

the signature is impracticable)1

Regulatory staff member

completing PJD

¹ Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.