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Date: 12/27/2018  
Revised: 04/23/2020

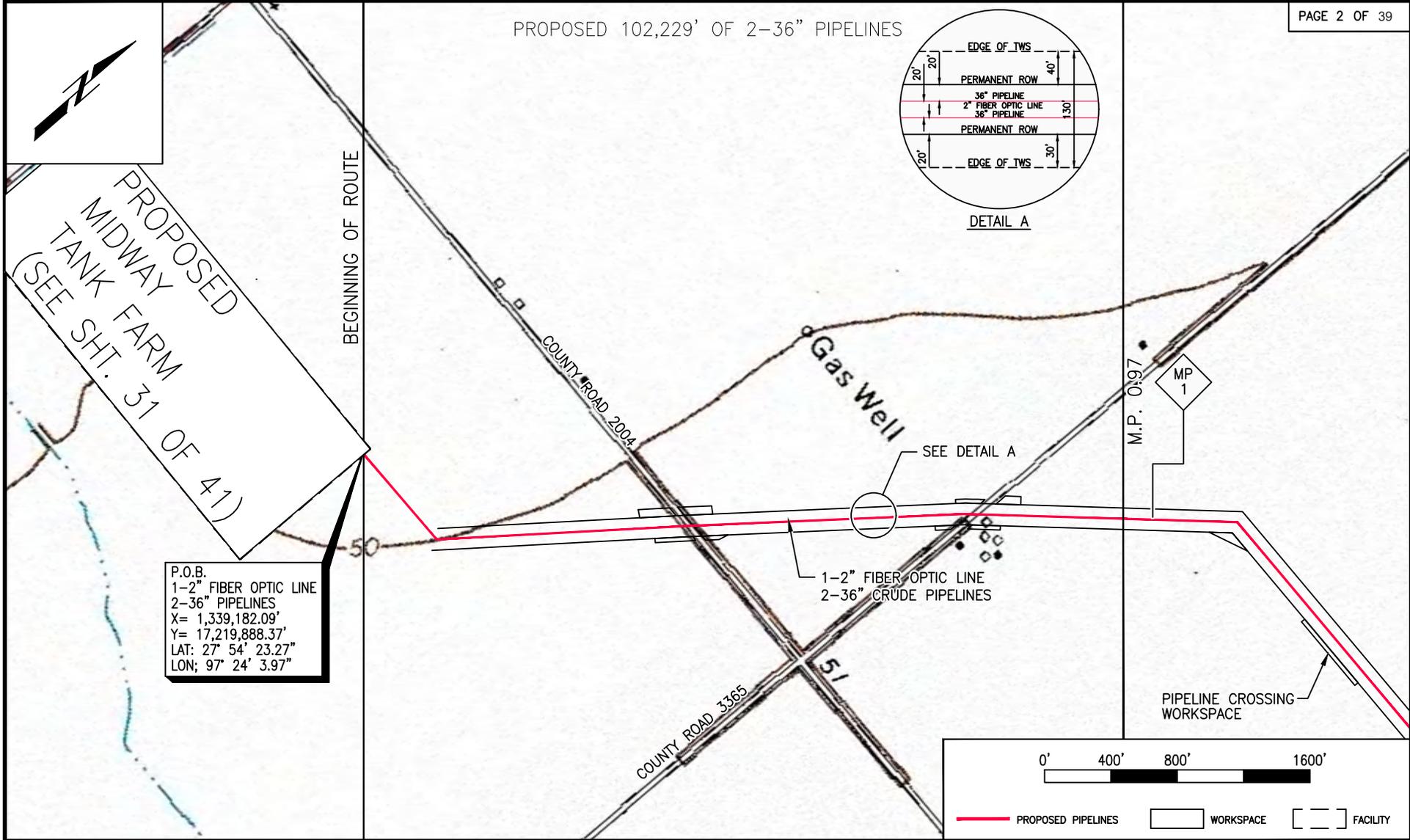
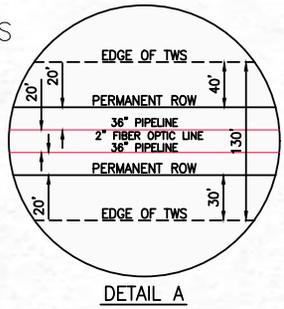
**VICINITY MAP**  
PLs & Facility.: Midway T.F. to Harbor Island

**U.S. ARMY CORPS OF ENGINEERS**  
**PERMIT APPLICATION**  
**SWG-2018-00789**



**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
**MIDWAY to HARBOR ISLAND PROJECT**  
SAN PATRICIO & NUECES COUNTIES, TEXAS

PROPOSED 102,229' OF 2-36" PIPELINES



P.O.B.  
1-2" FIBER OPTIC LINE  
2-36" PIPELINES  
X= 1,339,182.09'  
Y= 17,219,888.37'  
LAT: 27° 54' 23.27"  
LON: 97° 24' 3.97"

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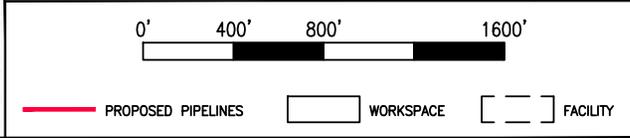
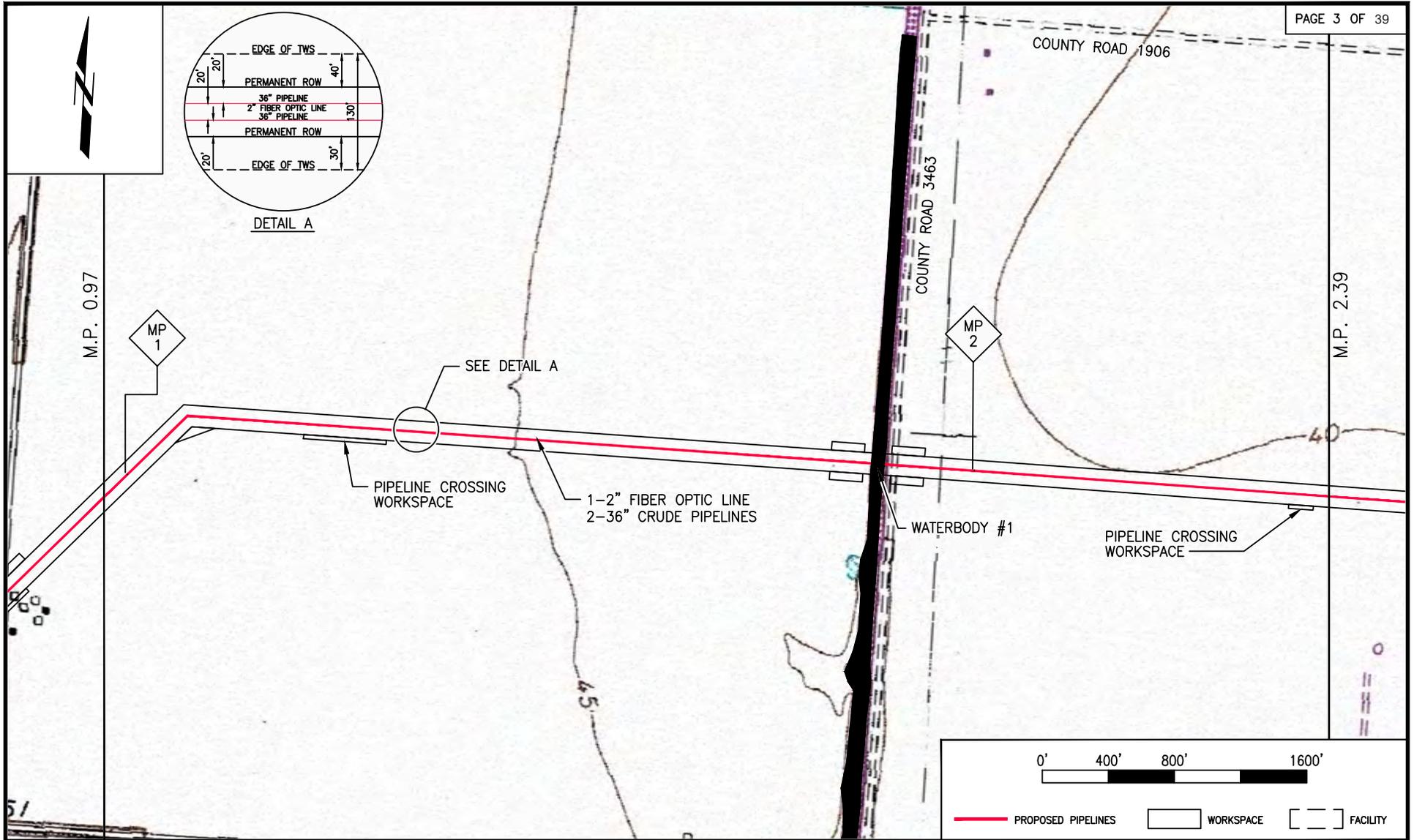
**PLAN VIEW**  
PLs: Midway T.F. to Aransas

**U.S. ARMY CORPS OF ENGINEERS  
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AXIS MIDSTREAM

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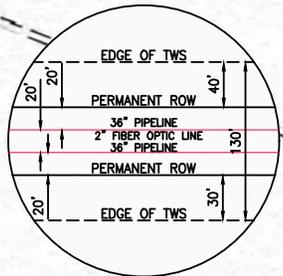
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DETAIL A

San Patricio Memorial Gardens (Cem)

M.P. 2.39

M.P. 4.36

COUNTY ROAD 3567

COUNTY ROAD 1906

CR 3677

SEE DETAIL A  
PIPELINE CROSSING WORKSPACE

MP 3

MP 4

1-2" FIBER OPTIC LINE  
2-36" CRUDE PIPELINES

WATERBODY #2



— PROPOSED PIPELINES    □ WORKSPACE    [ - - ] FACILITY

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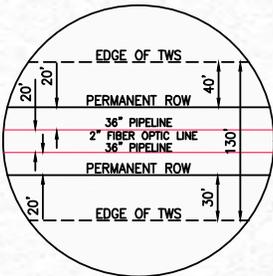
**PLAN VIEW**  
PLs: Midway T.F. to Aransas

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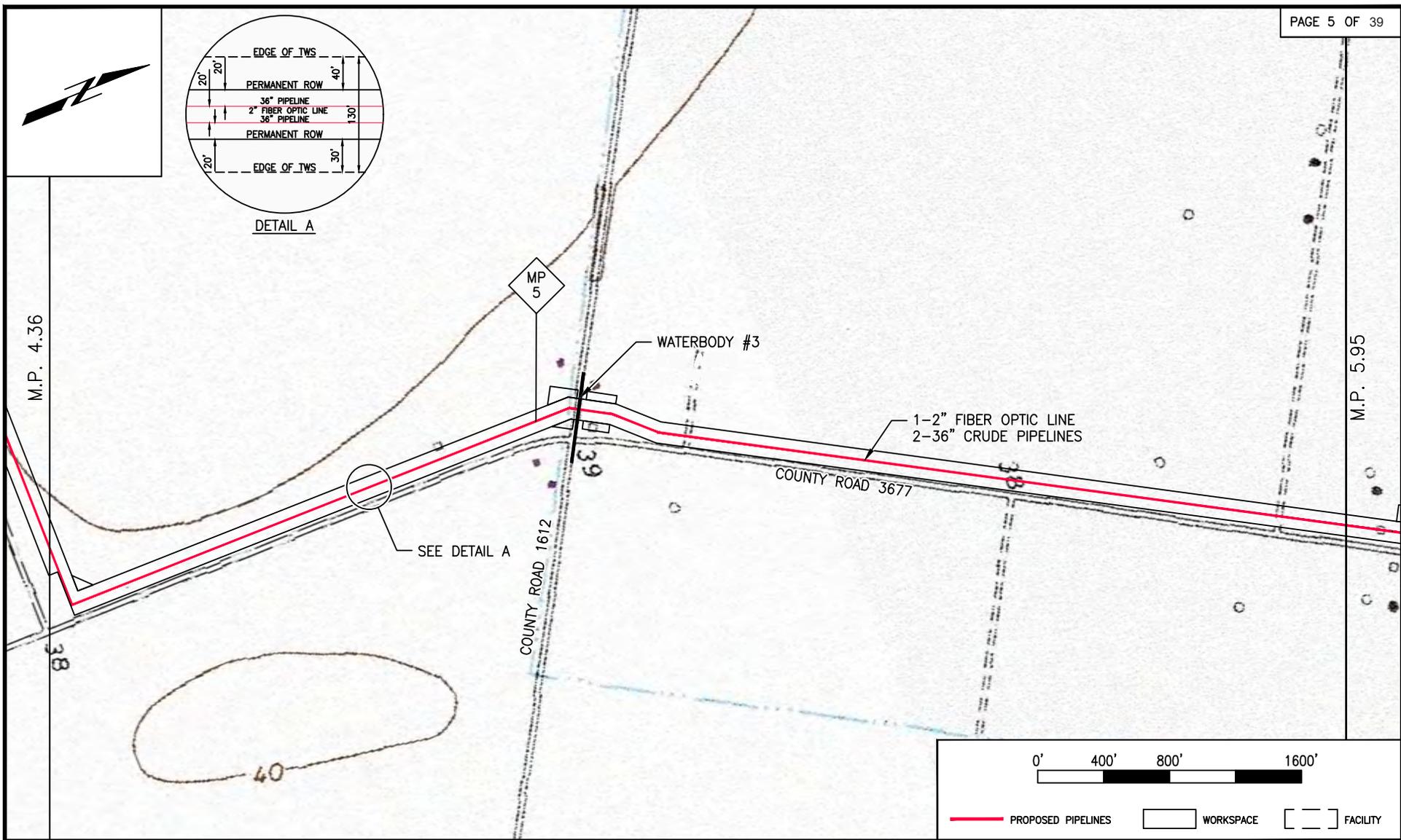


AXIS MIDSTREAM

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DETAIL A



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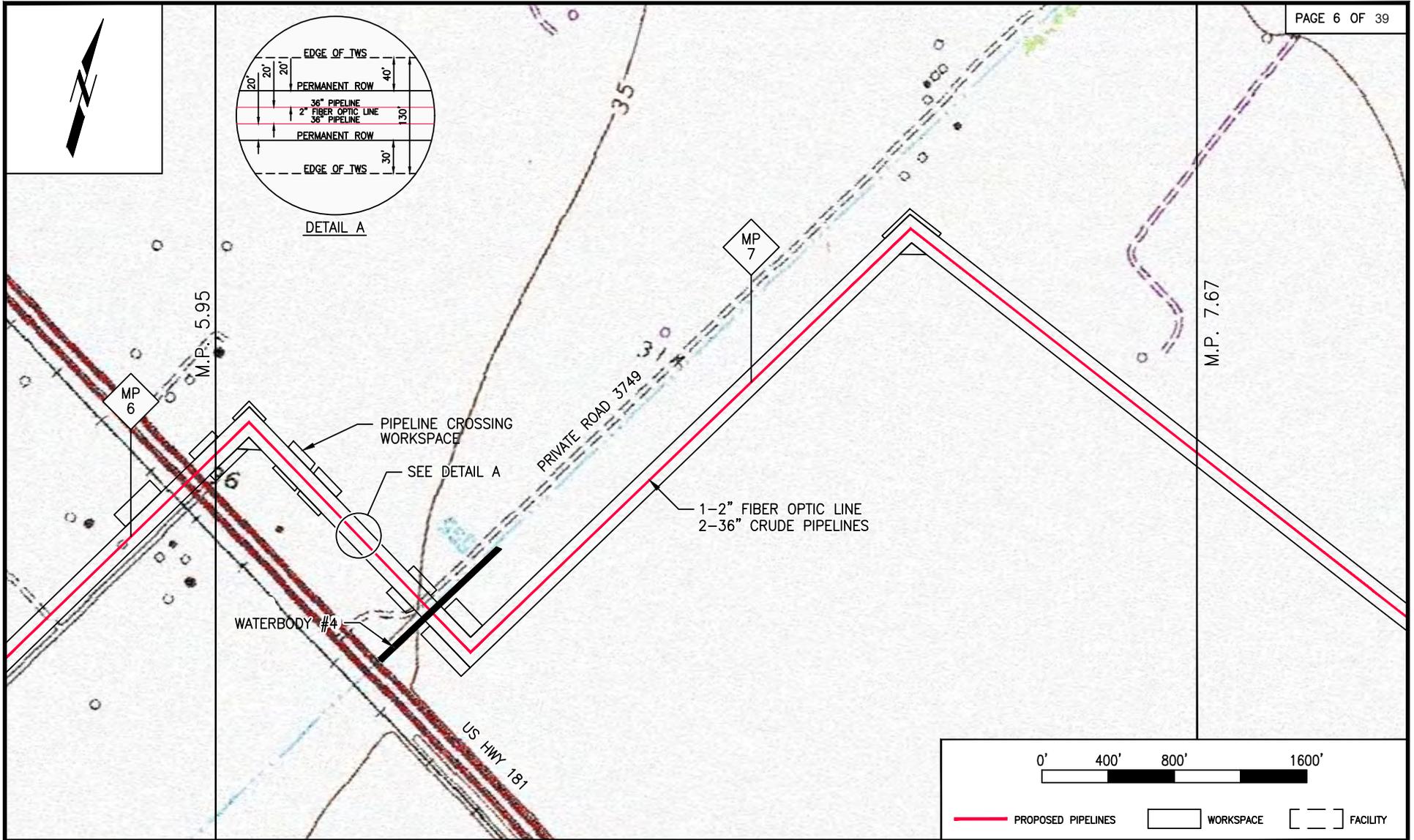
**PLAN VIEW**  
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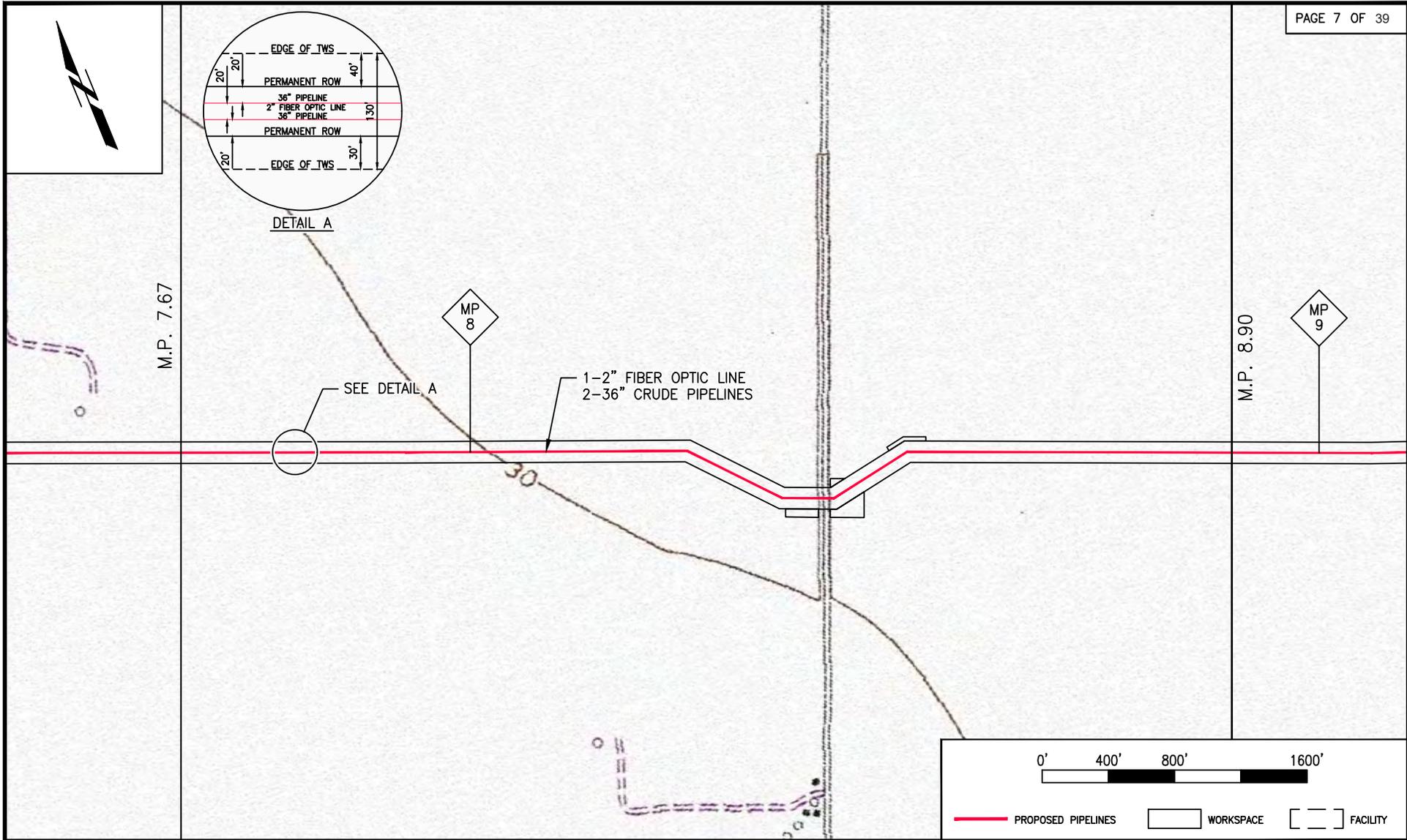
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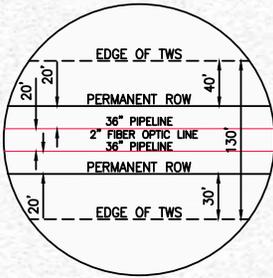
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DETAIL A

M.P. 8.90



SEE DETAIL A

28

PIPELINE CROSSING WORKSPACE

COUNTY ROAD 1722



M.P. 10.04

27

1-2" FIBER OPTIC LINE  
2-36" CRUDE PIPELINES

HIGHWAY 3284

29



— PROPOSED PIPELINES   
  WORKSPACE   
  FACILITY

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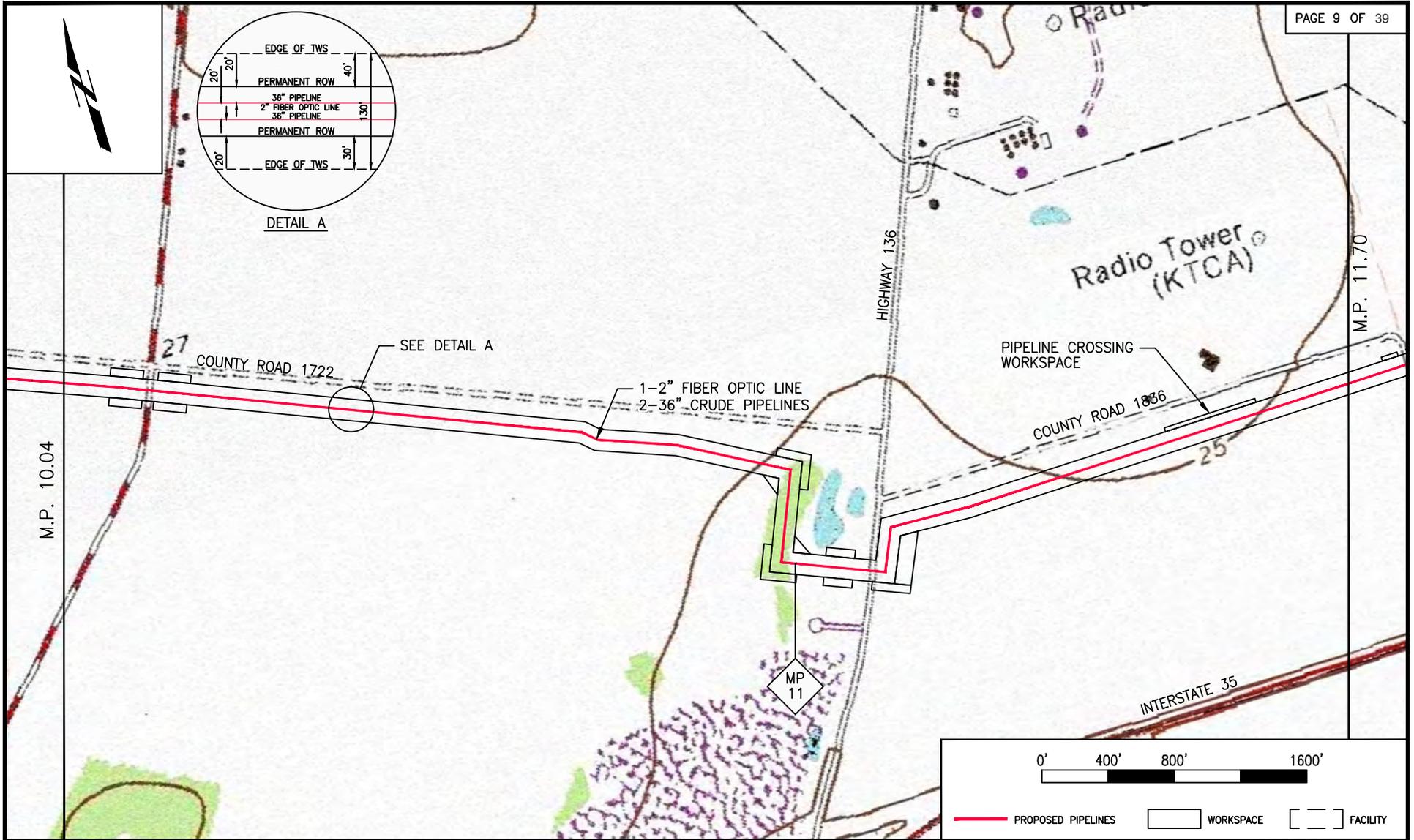
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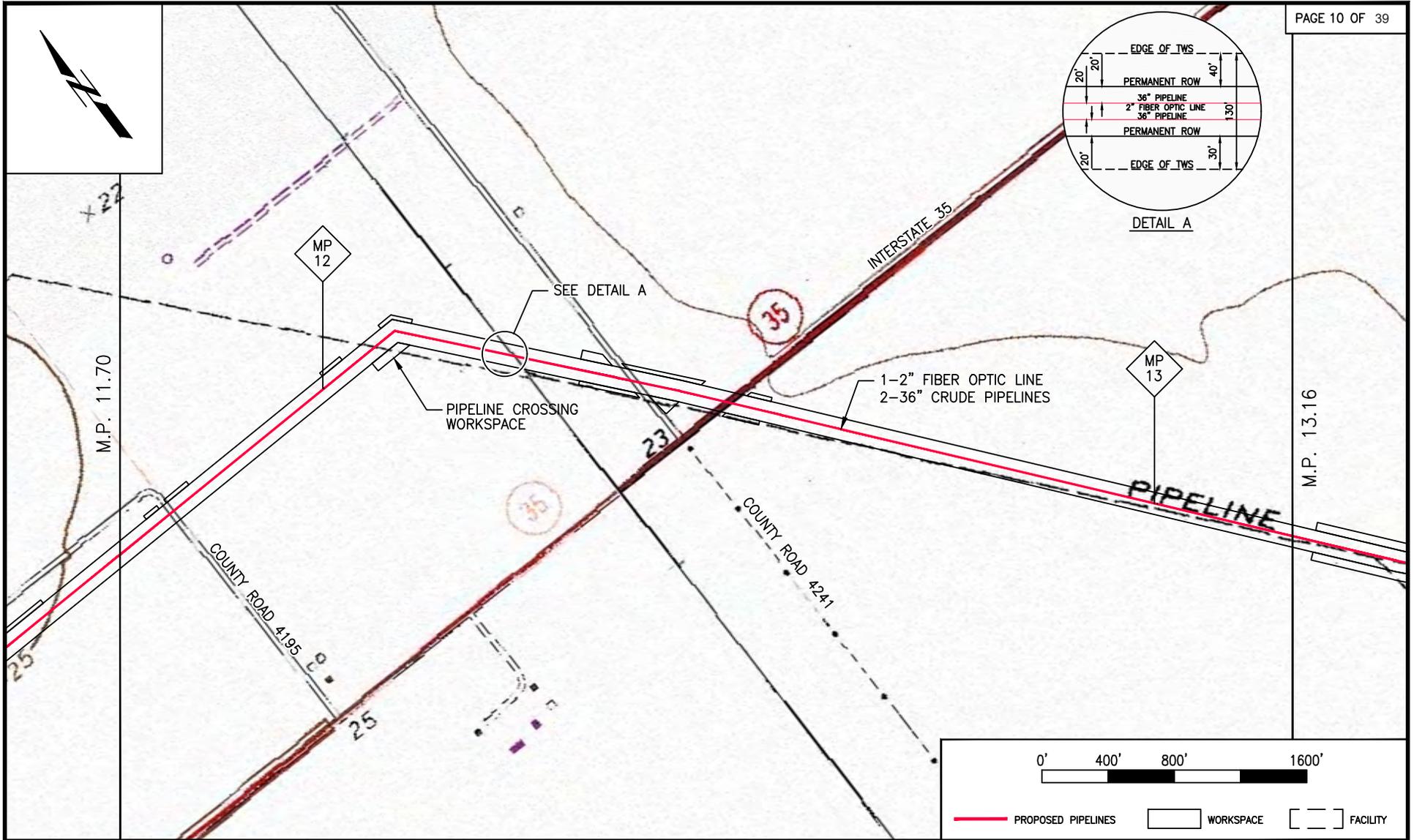
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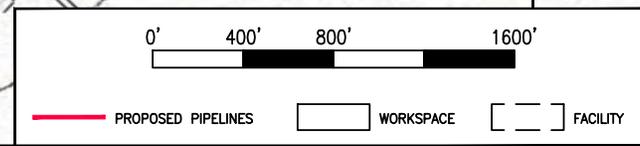
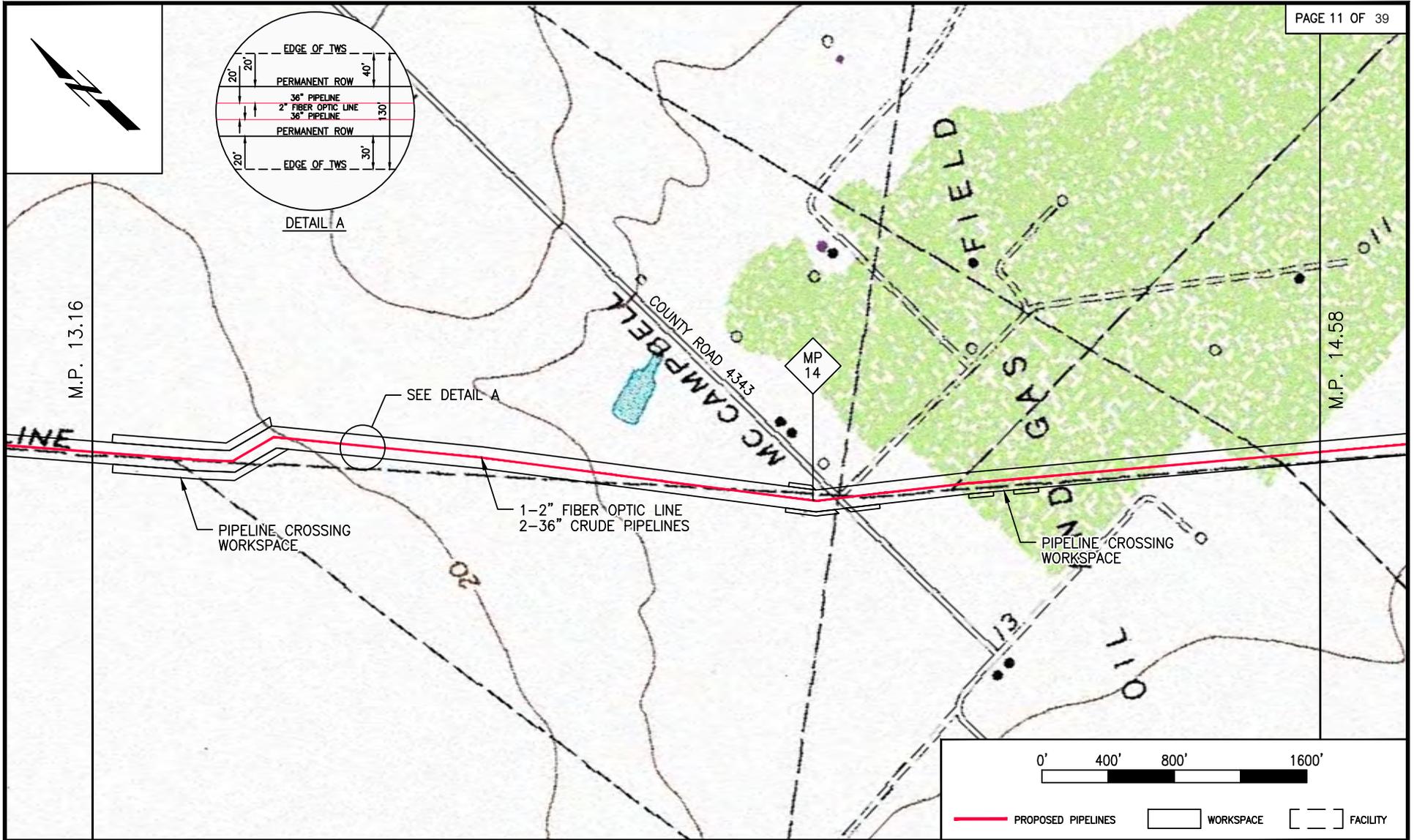
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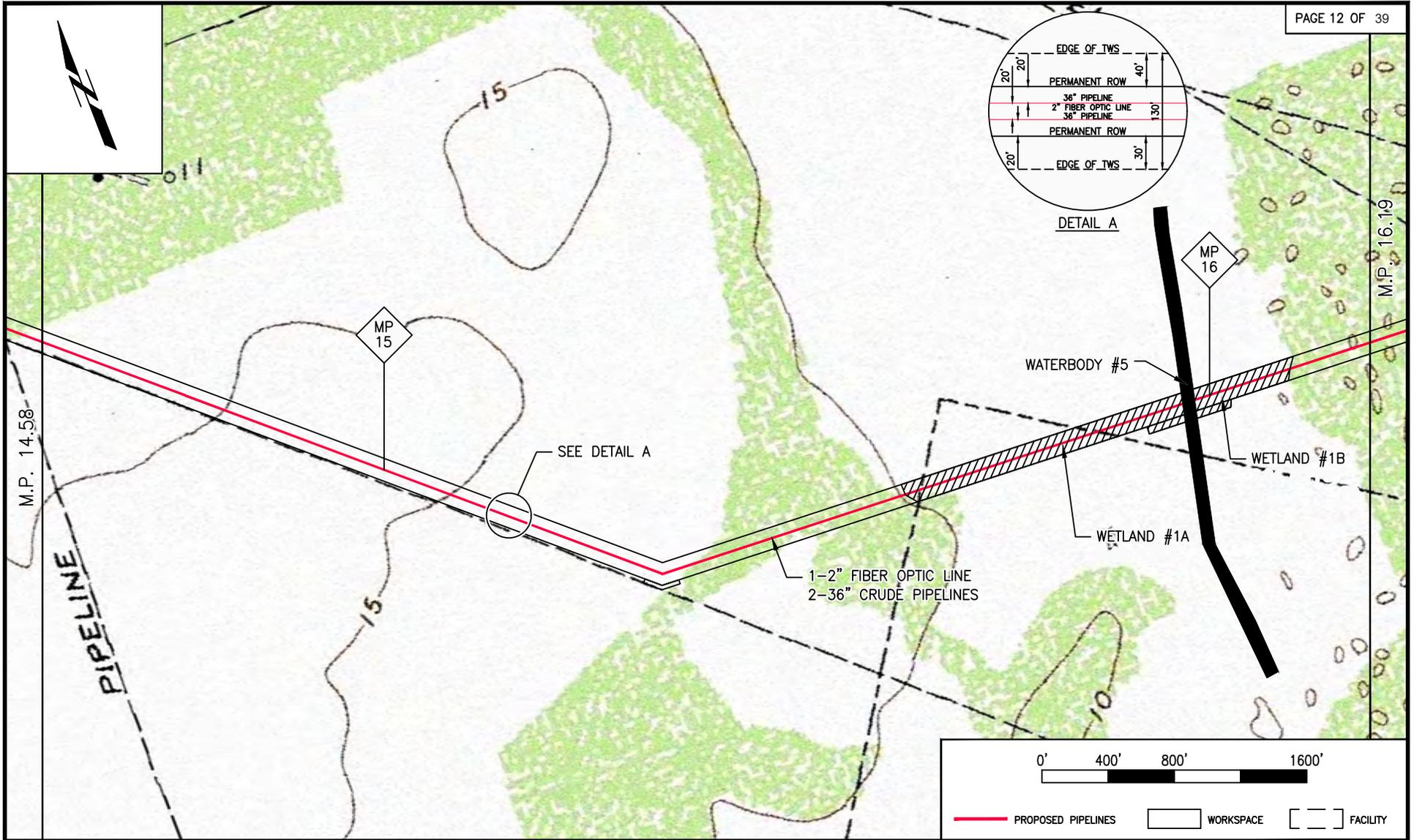
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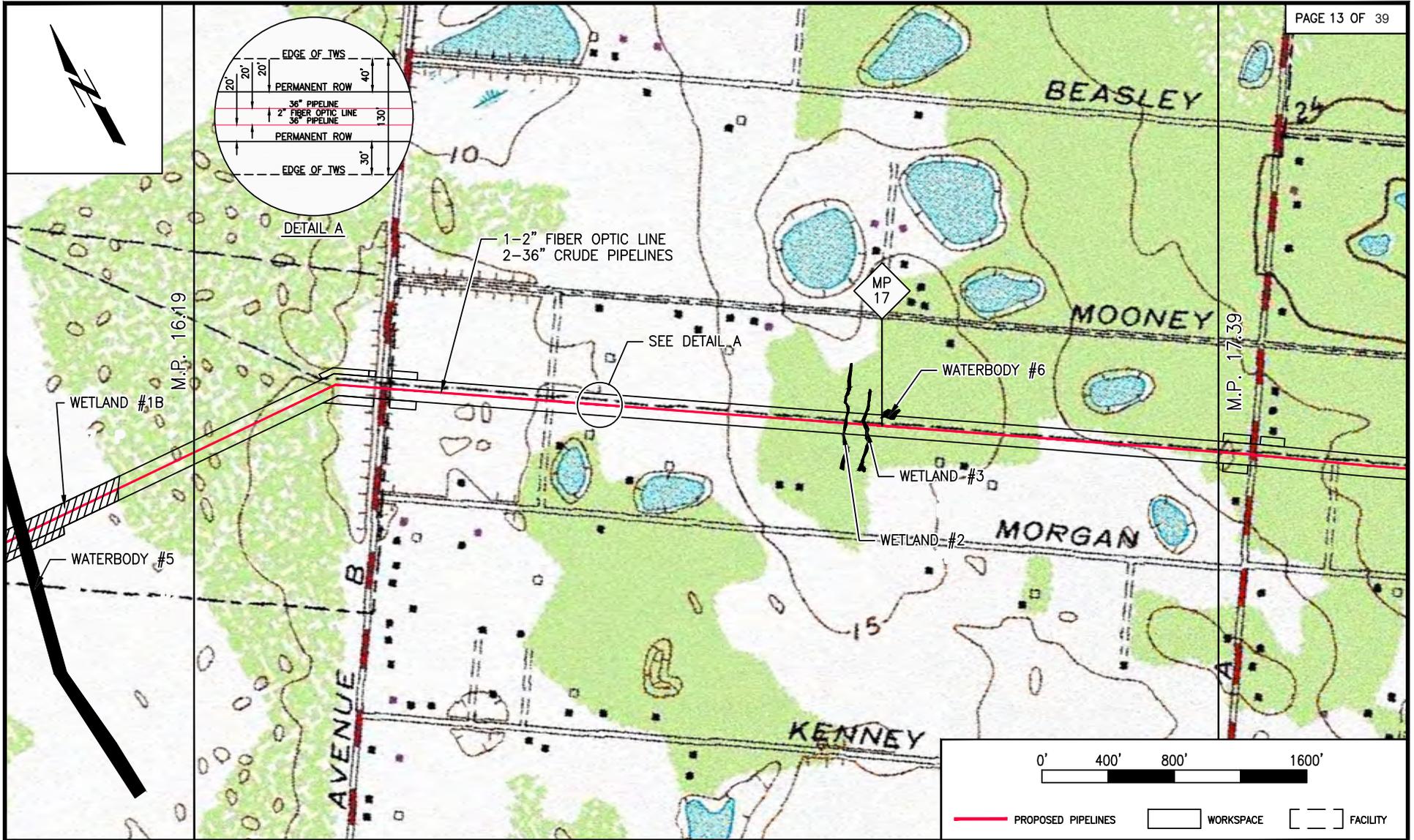
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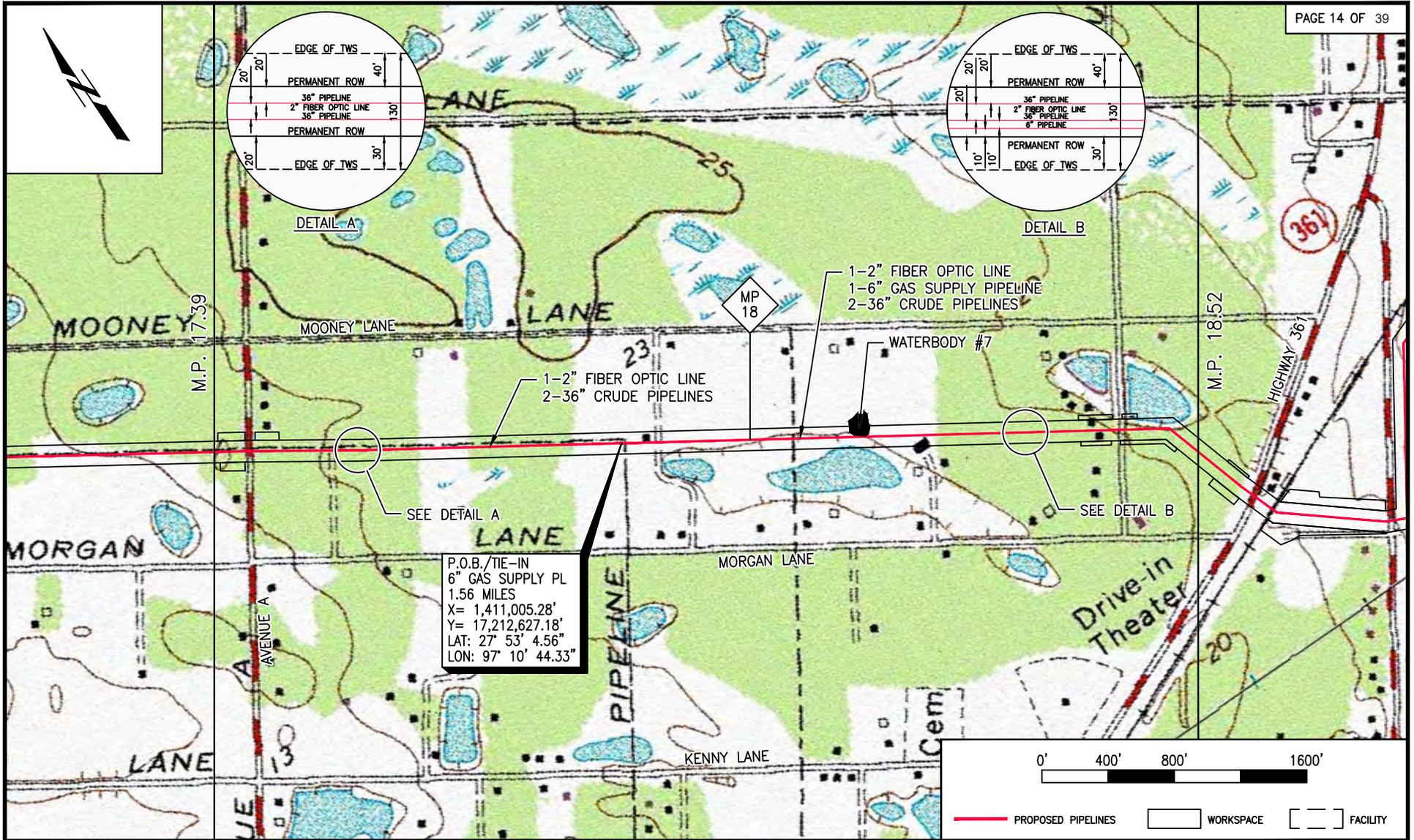
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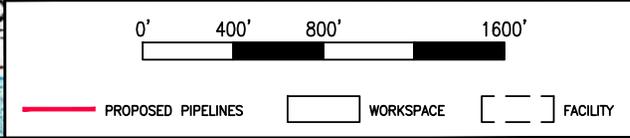


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P.O.B./TIE-IN  
 6" GAS SUPPLY PL  
 1.56 MILES  
 X= 1,411,005.28'  
 Y= 17,212,627.18'  
 LAT: 27° 53' 4.56"  
 LON: 97° 10' 44.33"



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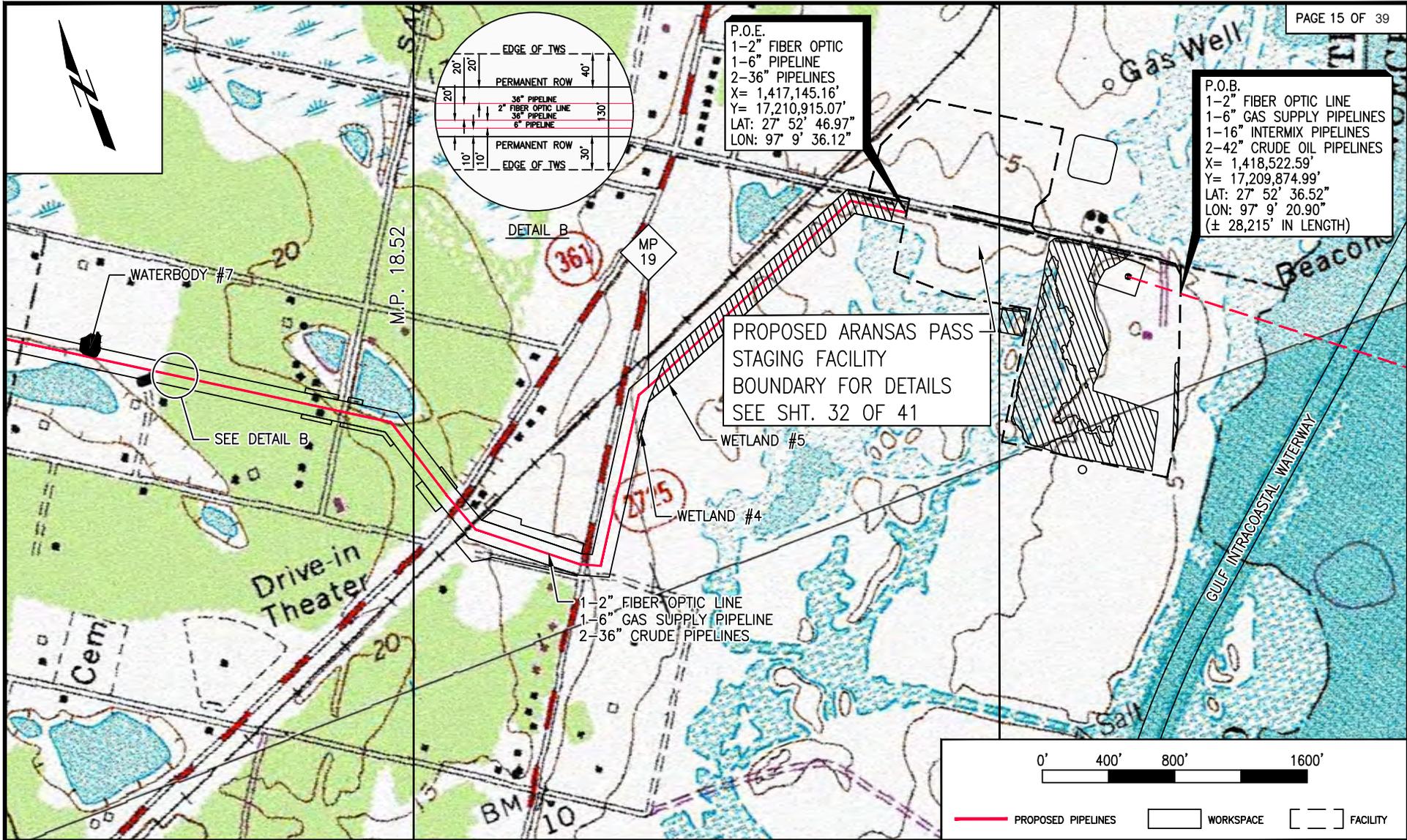
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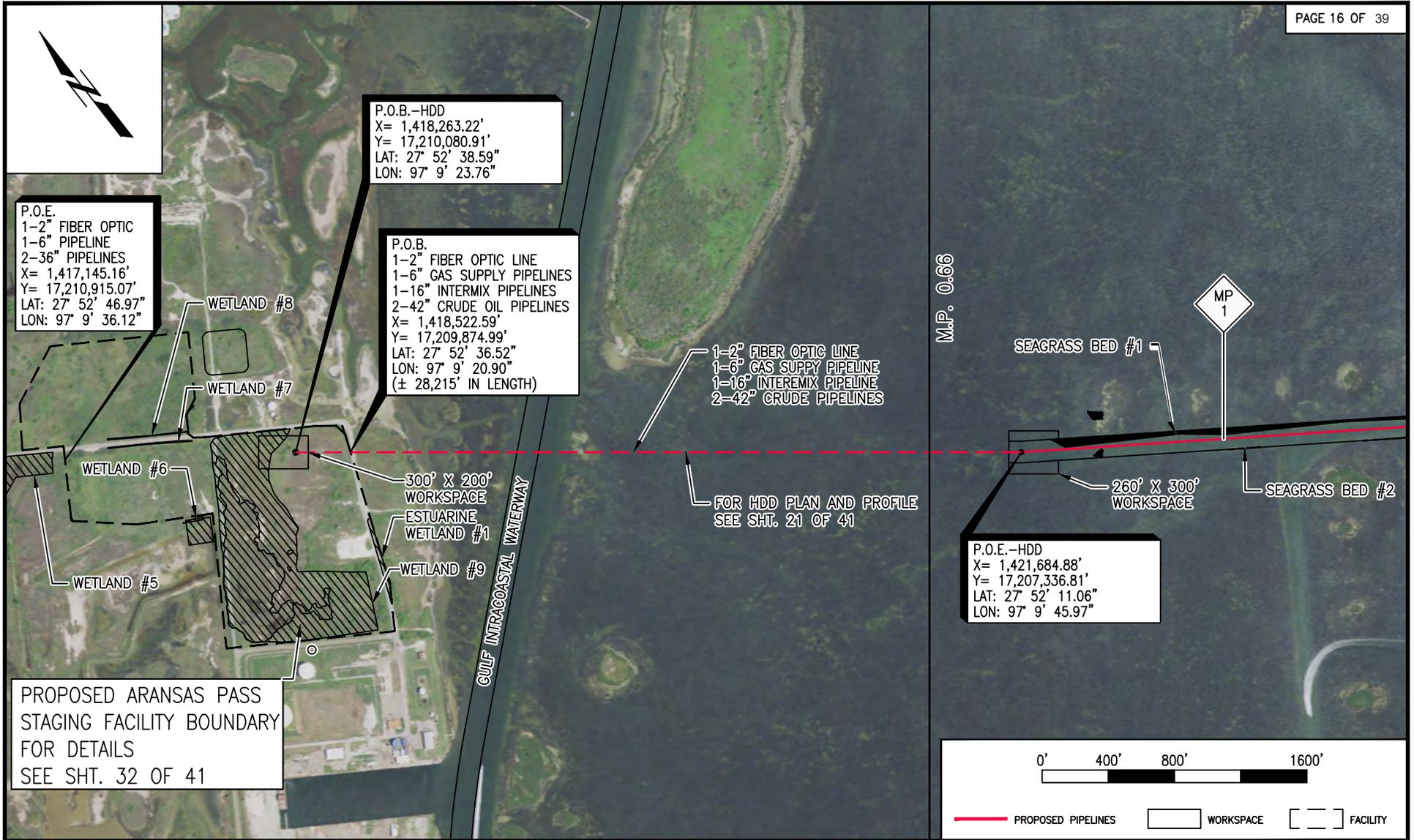
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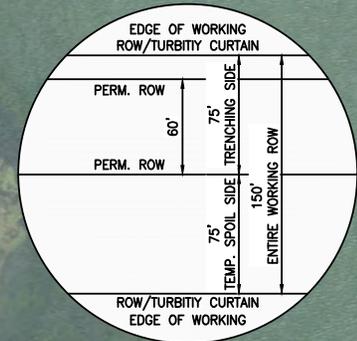
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**PLAN VIEW**  
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 SAN PATRICIO & NUECES COUNTIES, TEXAS



M.P. 0.66

M.P. 1.88

RANSOM ISLAND

SEAGRASS BED #1

260' X 300' WORKSPACE



SEE DETAIL C

- 1-2" FIBER OPTIC LINE
- 1-6" GAS SUPPLY PIPELINE
- 1-16" INTERMIX PIPELINE
- 2-42" CRUDE PIPELINES

SEE SHT. 22 OF 41

SEAGRASS BED #2

SEE SHT. 22 OF 41

SEAGRASS BED #3

SEE SHT. 22 OF 41

SEAGRASS BED #4

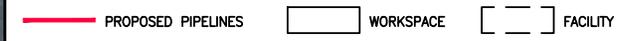
SEE SHT. 22 OF 41

SEAGRASS BED #5

REDFISH BAY

P.O.E.-HDD  
 X= 1,421,684.88'  
 Y= 17,207,336.81'  
 LAT: 27° 52' 11.06"  
 LON: 97° 9' 45.97"

PIPELINE TO BE INSTALLED WITHIN EXISTING OIL FIELD CANAL, CHANNEL & SLIP.



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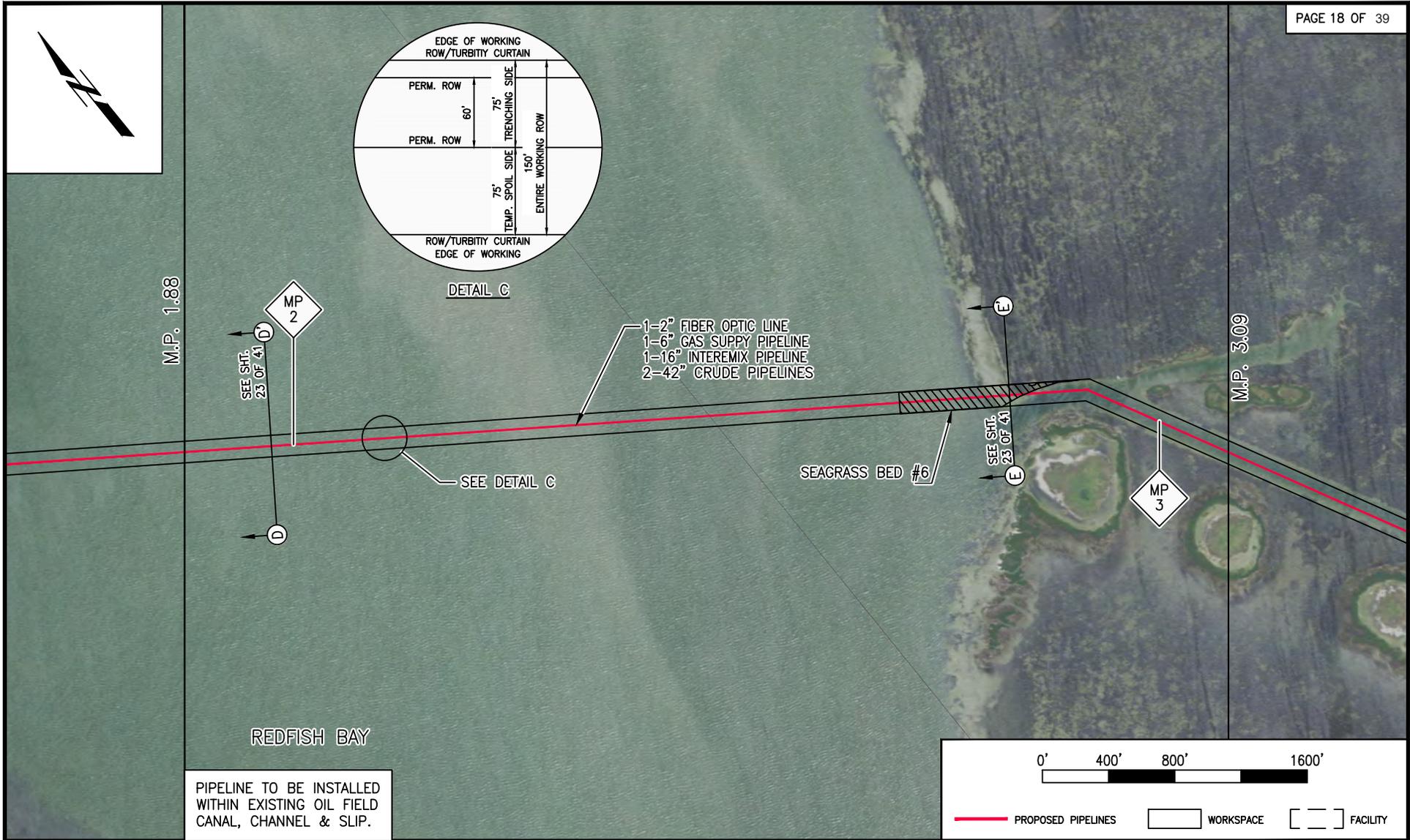
**PLAN VIEW**  
 PLs: Aransas To Harbor Island

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AXIS MIDSTREAM

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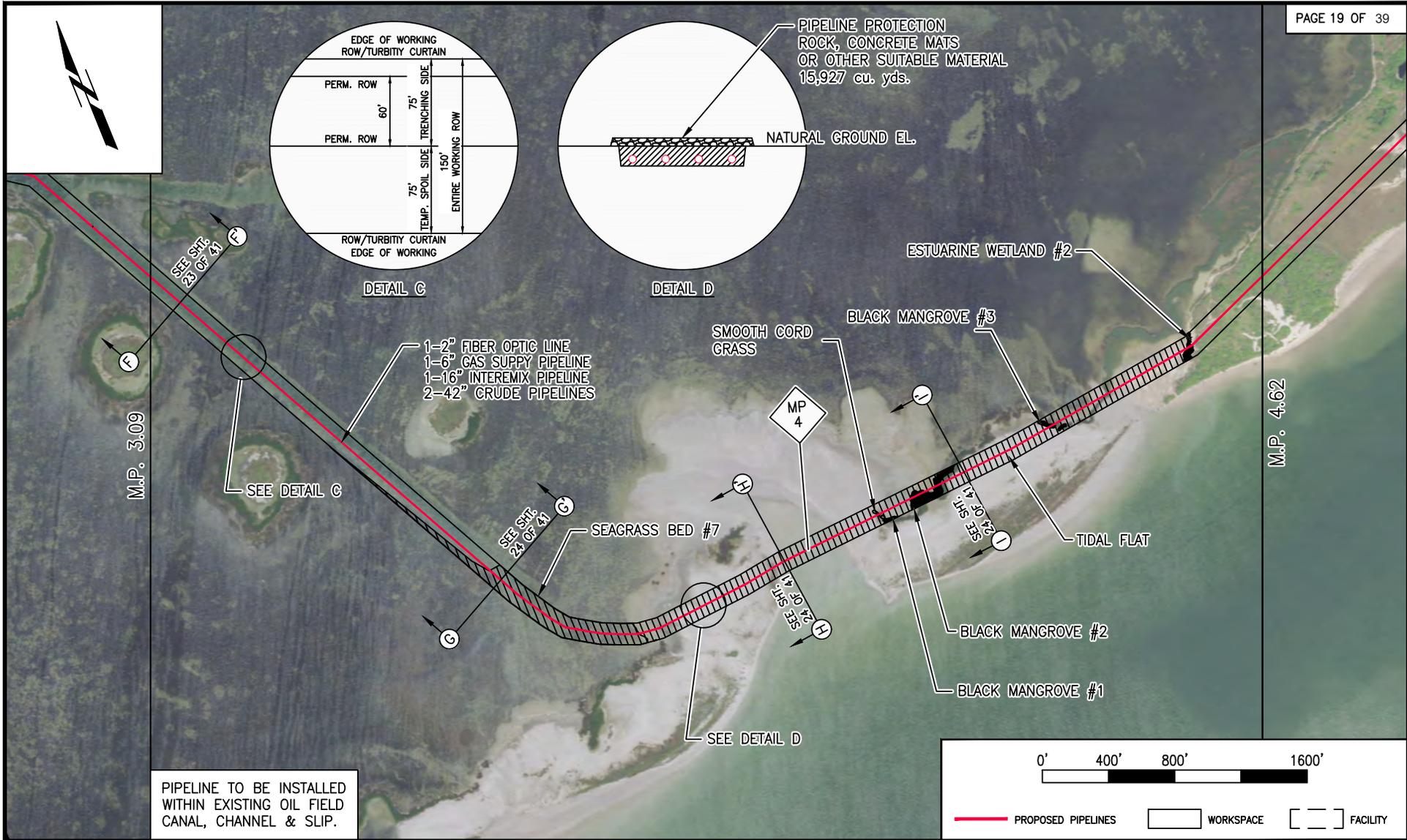
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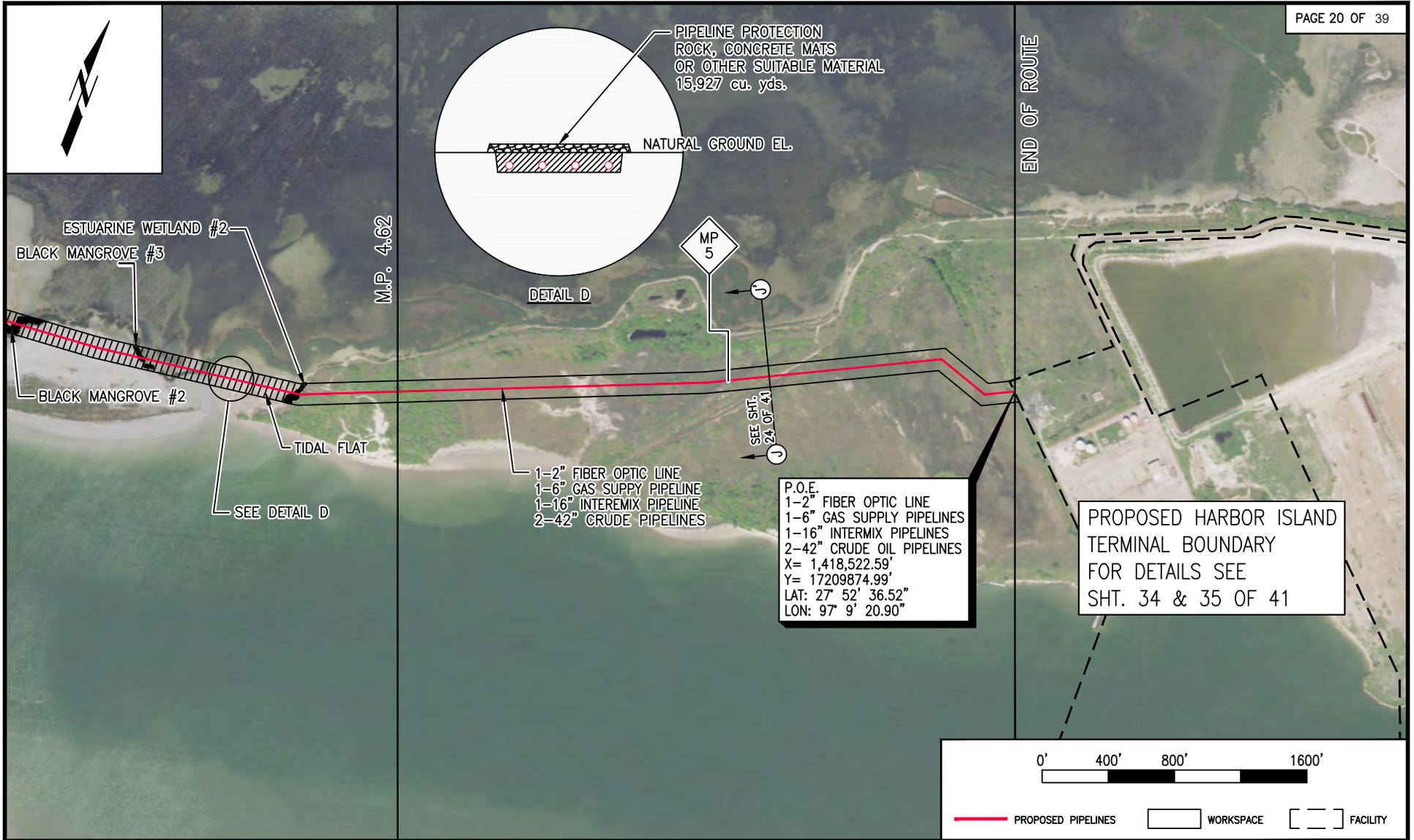
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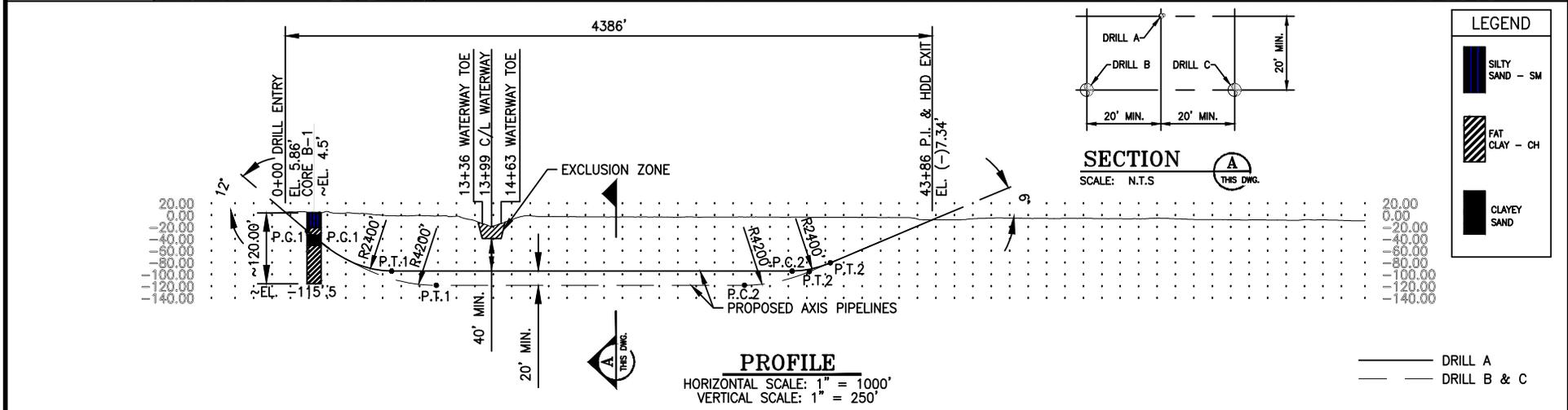
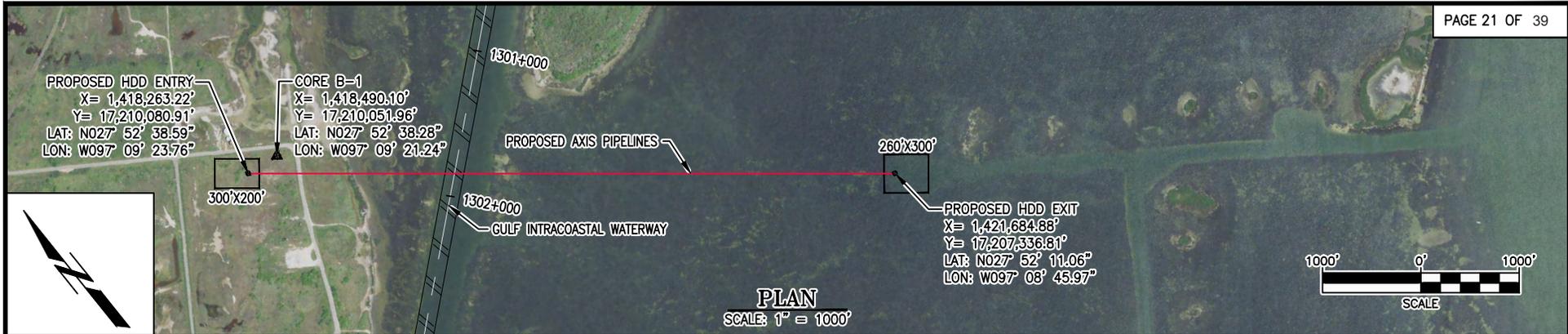
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SAN PATRICIO & NUECES COUNTIES, TEXAS



**SPECIFICATIONS:**

- CARRIER PIPE:  
 DRILL A BUNDLE  
 16.000" O.D. \*  
 6.625" O.D. \*  
 2" FIBER OPTIC CABLE  
 DRILL B  
 42.000" O.D. \*  
 DRILL C  
 42.000" O.D. \*  
 \* PIPE WALL THICKNESS AND COATING TO BE DETERMINED.

**GENERAL NOTES:**

- 1) GRID PROJECTION BASED UPON TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (GRID UNITS IN FEET) GEODETIC DATUM: NAD 1983, CLARKE SPHEROID, 1866.
- 2) CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL FOREIGN PIPELINE CROSSINGS AND COVER PRIOR TO CONSTRUCTION.
- 3) 3 PROPOSED HDD WILL BE INSTALLED IN THE EASEMENT. DRILL A WILL CONSIST OF A BUNDLED ON 16.000" O.D., ONE 6.625" O.D. AND 2" O.D. DRILL B WILL BE A 42.000" O.D. PIPELINE AND DRILL C WILL BE A 42.000" O.D. PIPELINE.
- 4) THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING THE ORDER OF THE DRILLS.
- 5) THE ENGINEER'S SEAL AFFIXED TO THIS DRAWING REPRESENTS THE ENGINEERING DESIGN OF THE 3 HDD PROFILES SHOWN ON THIS DRAWING. THE DESIGN IS BASED UPON THE SURVEY INFORMATION PROVIDED BY GULLETT & ASSOCIATES DISPLAYED HEREIN. THE ISSUANCE OF THIS DRAWING IS NOT INTENDED AS A SURVEYING DOCUMENT AND SHOULD NOT BE USED FOR ESTABLISHMENT OR RECORD OF BOUNDARY, EASEMENTS OR ANY OTHER SURVEYING PURPOSE.

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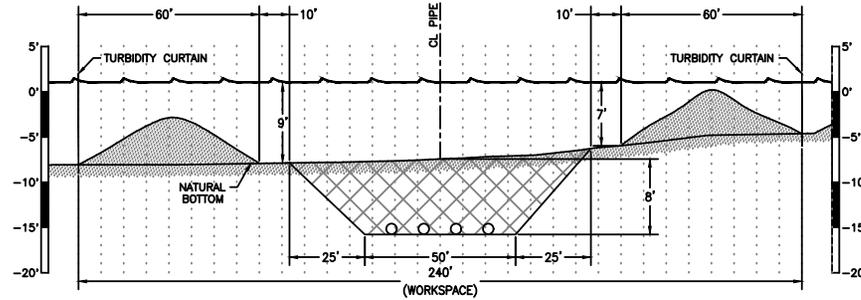
**PLAN PROFILE**  
 PLs: GIWW HDD

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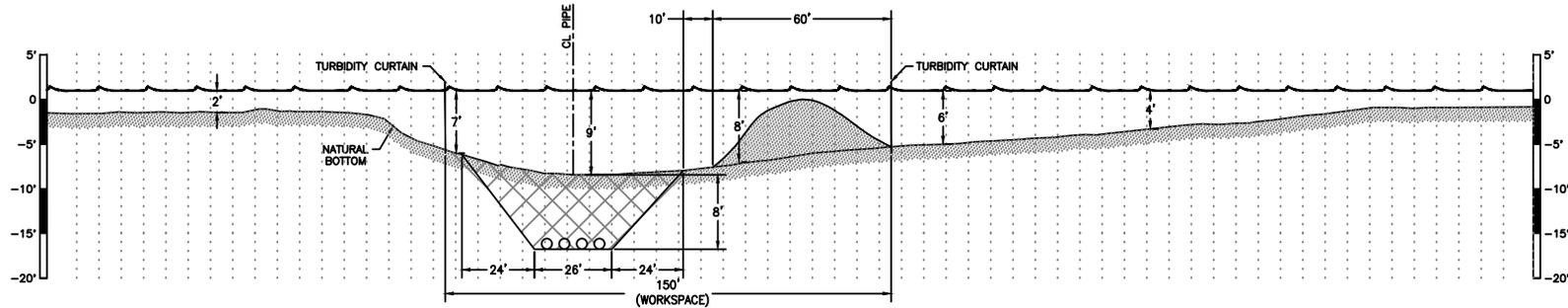


AXIS MIDSTREAM

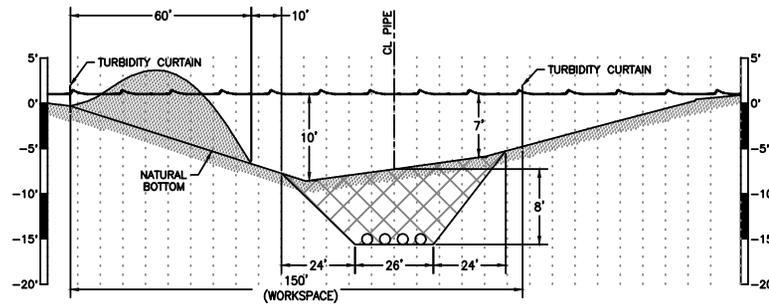
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 MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL  
 SAN PATRICIO & NUECES COUNTIES, TEXAS



SECTION A-A' (HDD EXIT SITE)



SECTION B-B'



SECTION C-C'

HORIZONTAL SCALE: 1"=60'  
VERTICAL SCALE: 1"=20'

NOTE:  
TRENCH SIDE SLOPES ARE 3:1.

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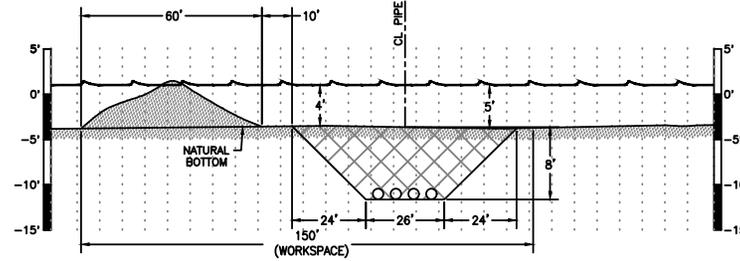
**CROSS-SECTIONS**  
PLs: Aransas Fac. to Harbor Island

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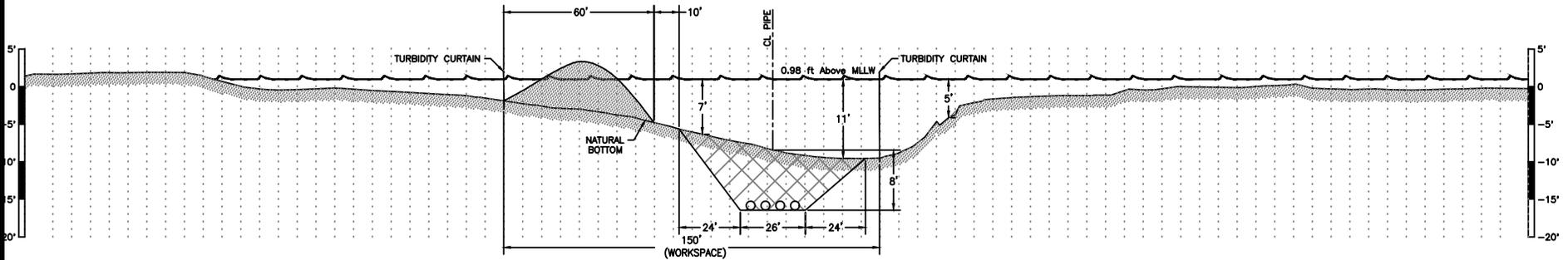


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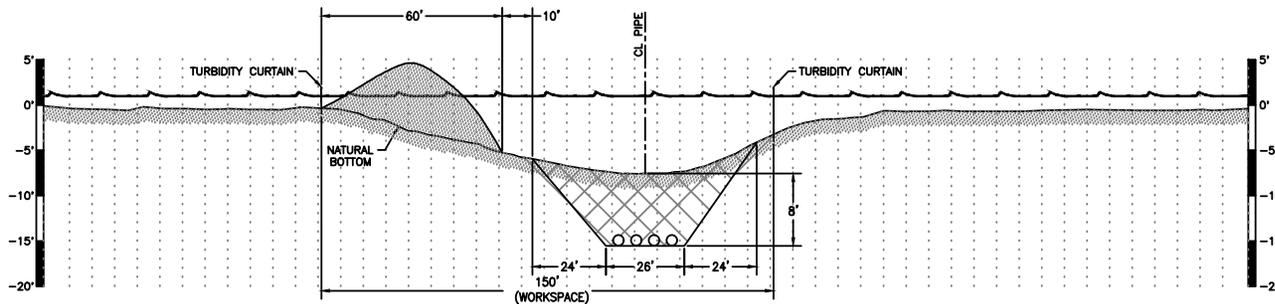
**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
**MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL**  
SAN PATRICIO & NUECES COUNTIES, TEXAS



SECTION D-D'



SECTION E-E'



SECTION F-F'

HORIZONTAL SCALE: 1"=60'  
VERTICAL SCALE: 1"=20'

NOTE:  
TRENCH SIDE SLOPES ARE 3:1.

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Date: 12/27/2018  
Revised: 04/23/2020

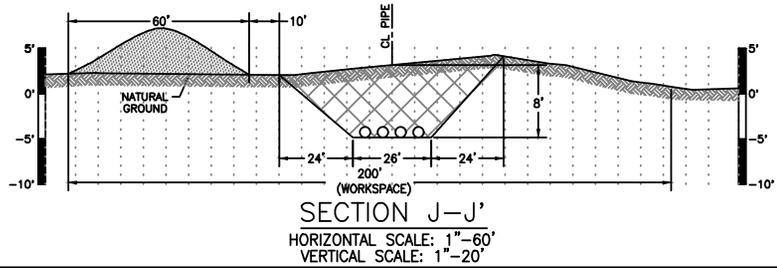
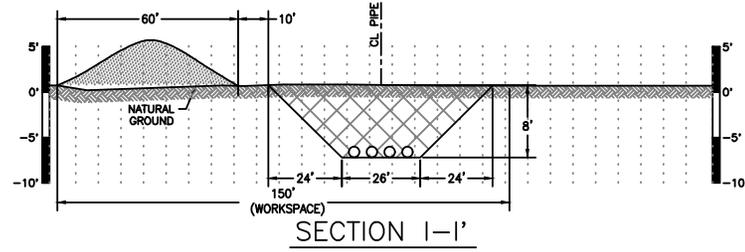
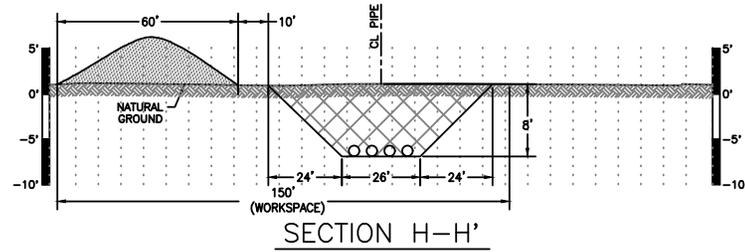
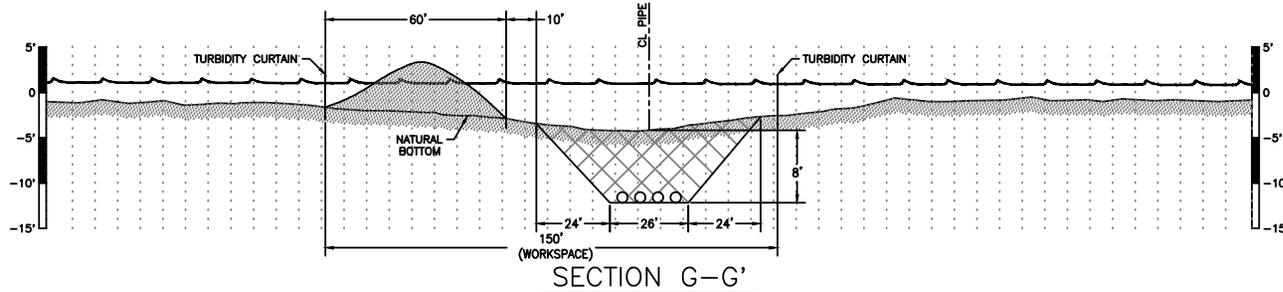
CROSS-SECTIONS  
PLs: Aransas Fac. to Harbor Island

**U.S. ARMY CORPS OF ENGINEERS  
PERMIT APPLICATION  
SWG-2018-00789**



AXIS MIDSTREAM

**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL  
SAN PATRICIO & NUECES COUNTIES, TEXAS



HORIZONTAL SCALE: 1" = 60'  
VERTICAL SCALE: 1" = 20'

NOTE:  
TRENCH SIDE SLOPES ARE 3:1.

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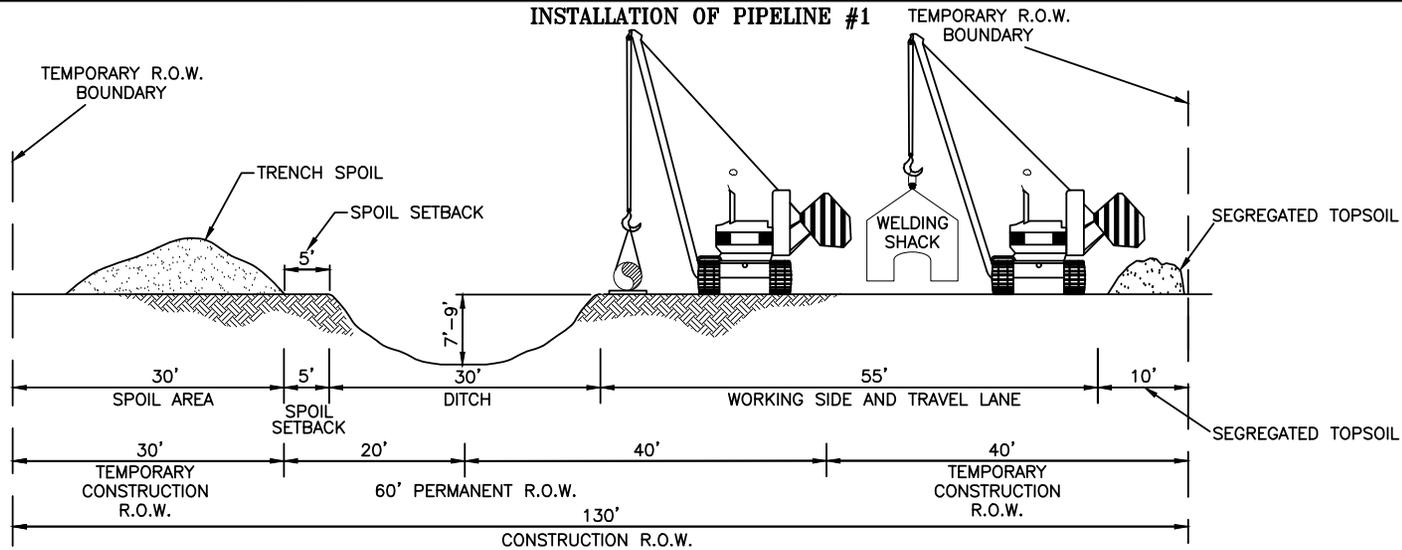
**CROSS-SECTIONS**  
PLs: Aransas Fac. to Harbor Island

**U.S. ARMY CORPS OF ENGINEERS**  
**PERMIT APPLICATION**  
**SWG-2018-00789**



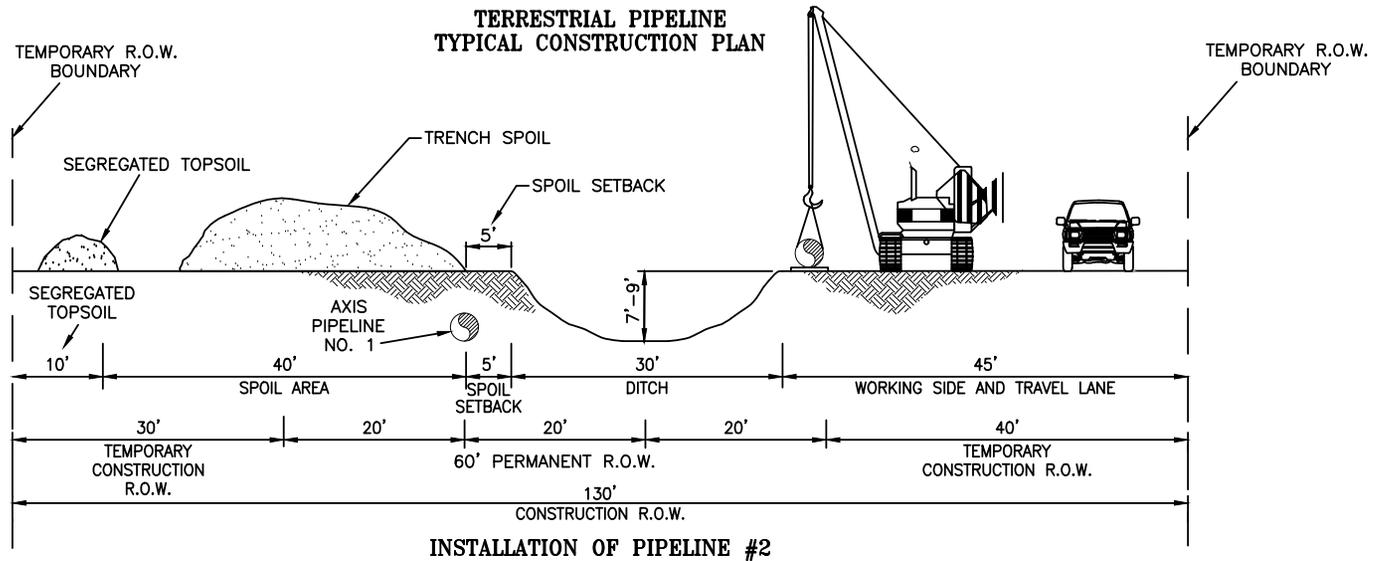
AXIS MIDSTREAM

**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
**MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL**  
SAN PATRICIO & NUECES COUNTIES, TEXAS



**NOTES:**

1. ALTHOUGH THE DIMENSIONS SHOWN ARE TYPICAL, SOME VARIATIONS MAY EXIST DUE TO SITE SPECIFIC CONDITIONS. UNLESS OTHERWISE INDICATED ON THE ALIGNMENT SHEETS, THE MAXIMUM WIDTH OF THE CONSTRUCTION RIGHT-OF-WAY SHALL BE AS SHOWN IN THE TABLE FOR THE APPROPRIATE PIPE DIAMETER.
2. TOPSOIL AND SUBSOIL SHALL BE SEGREGATED WITHIN WETLAND, RESIDENTIAL, AGRICULTURAL, PASTURES, HAYFIELDS AND OTHER AREAS AT LANDOWNER'S OR LAND MANAGING AGENCY'S REQUEST.
3. 6" PIPELINE (NOT SHOWN) WILL BE PLACED IN DITCH WITH 1 FT WALL TO WALL SEPARATION WITH EITHER 36" PIPELINE #1 OR #2 DEPENDING ON CONTRACTOR SEQUENCE PREFERENCE AT TIME OF INSTALLATION.



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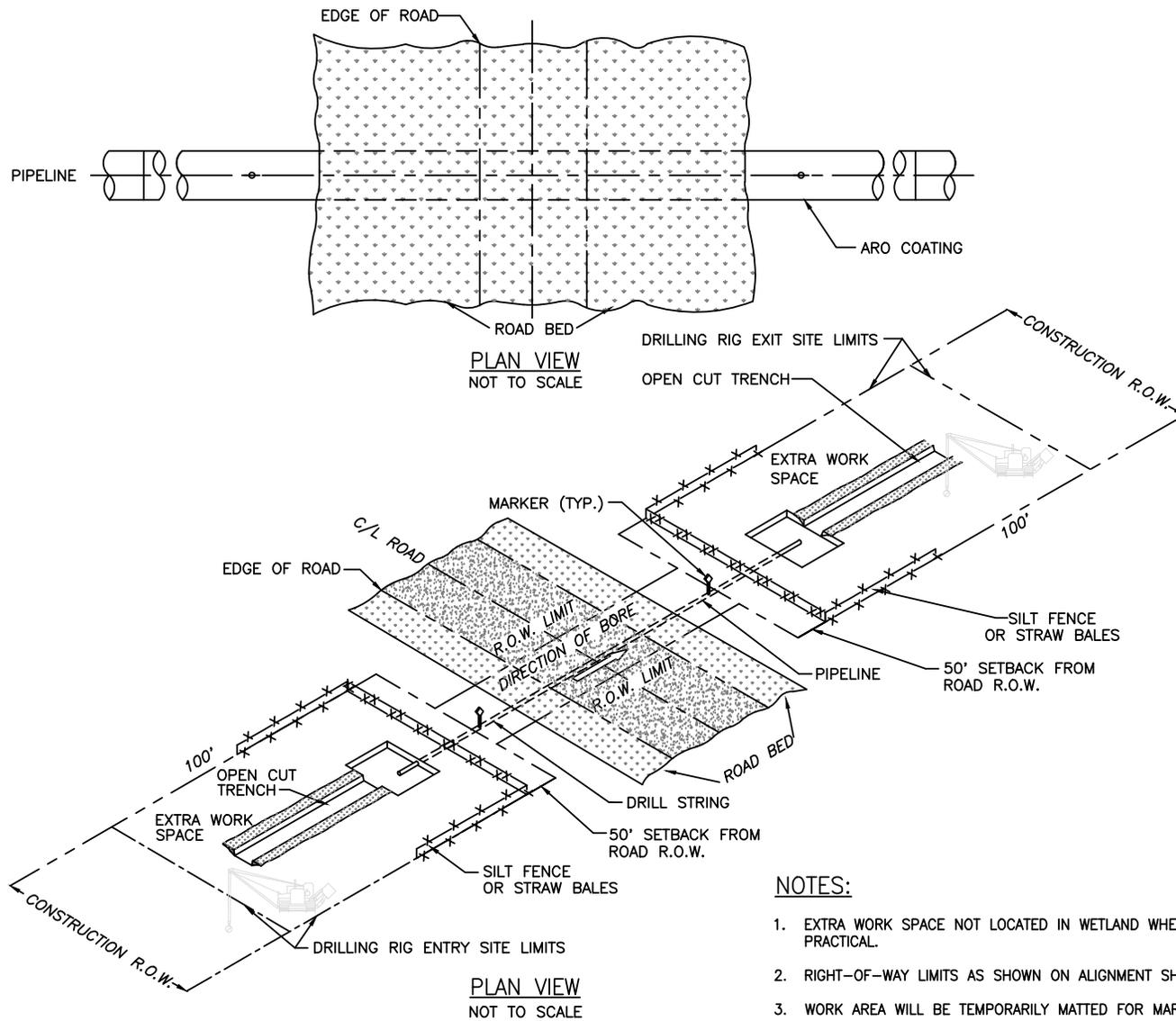
**TYPICAL CROSS-SECTION**  
PLs: Midway T.F. to Aransas Fac.

**U.S. ARMY CORPS OF ENGINEERS  
PERMIT APPLICATION  
SWG-2018-00789**



AXIS MIDSTREAM

**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL  
SAN PATRICIO & NUECES COUNTIES, TEXAS



**NOTES:**

1. EXTRA WORK SPACE NOT LOCATED IN WETLAND WHEN POSSIBLE AND PRACTICAL.
2. RIGHT-OF-WAY LIMITS AS SHOWN ON ALIGNMENT SHEETS.
3. WORK AREA WILL BE TEMPORARILY MATTED FOR MARSH AREAS.

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**TYPICAL CONST. LAYOUT**

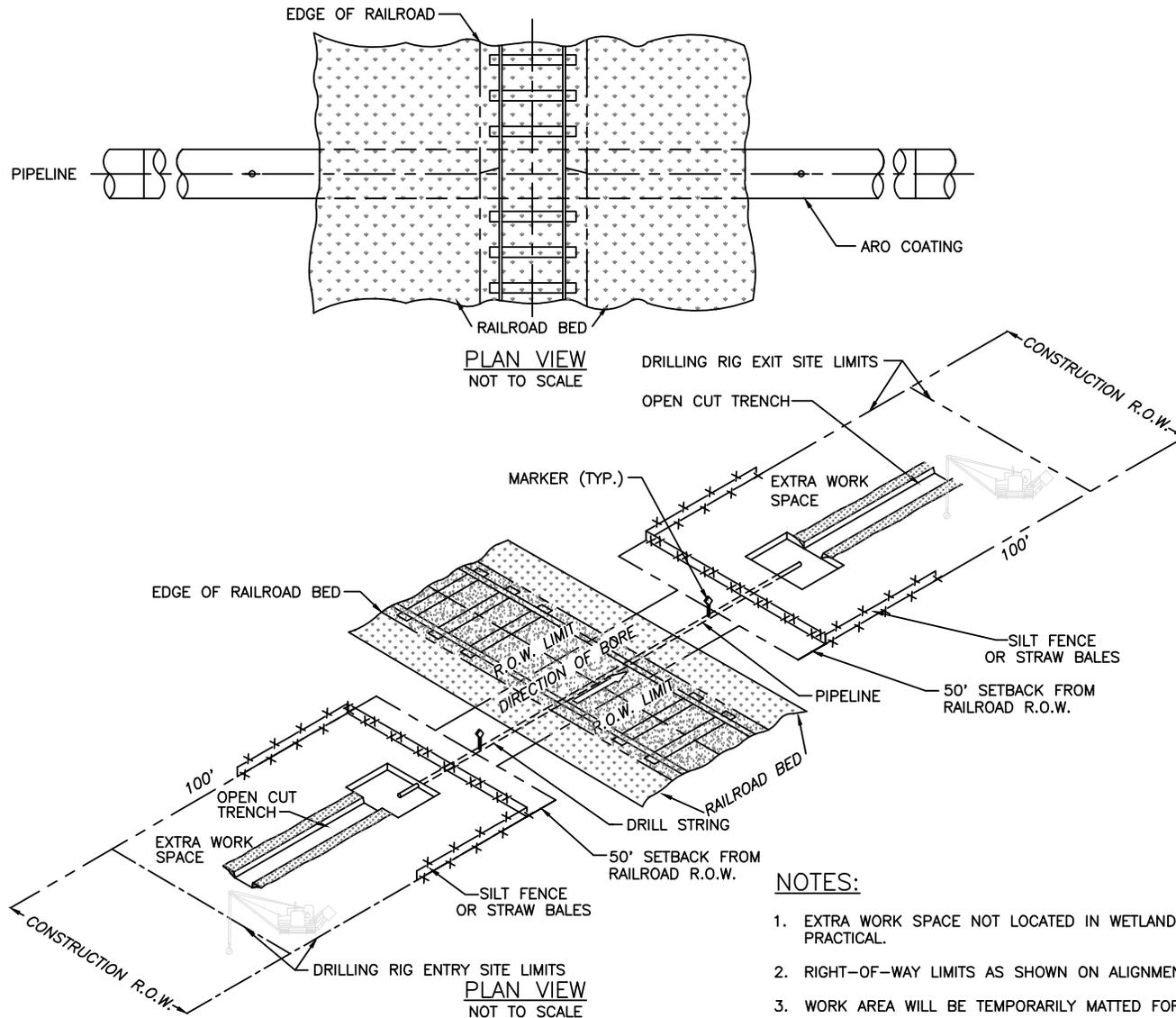
PLs: Road Crossing Bore

**U.S. ARMY CORPS OF ENGINEERS  
PERMIT APPLICATION  
SWG-2018-00789**



AXIS MIDSTREAM

**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
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SAN PATRICIO & NUECES COUNTIES, TEXAS



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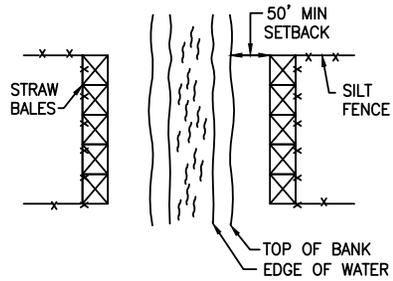
**TYPICAL CONST. LAYOUT**  
PLs: Railroad Crossing Bore

**U.S. ARMY CORPS OF ENGINEERS  
PERMIT APPLICATION  
SWG-2018-00789**

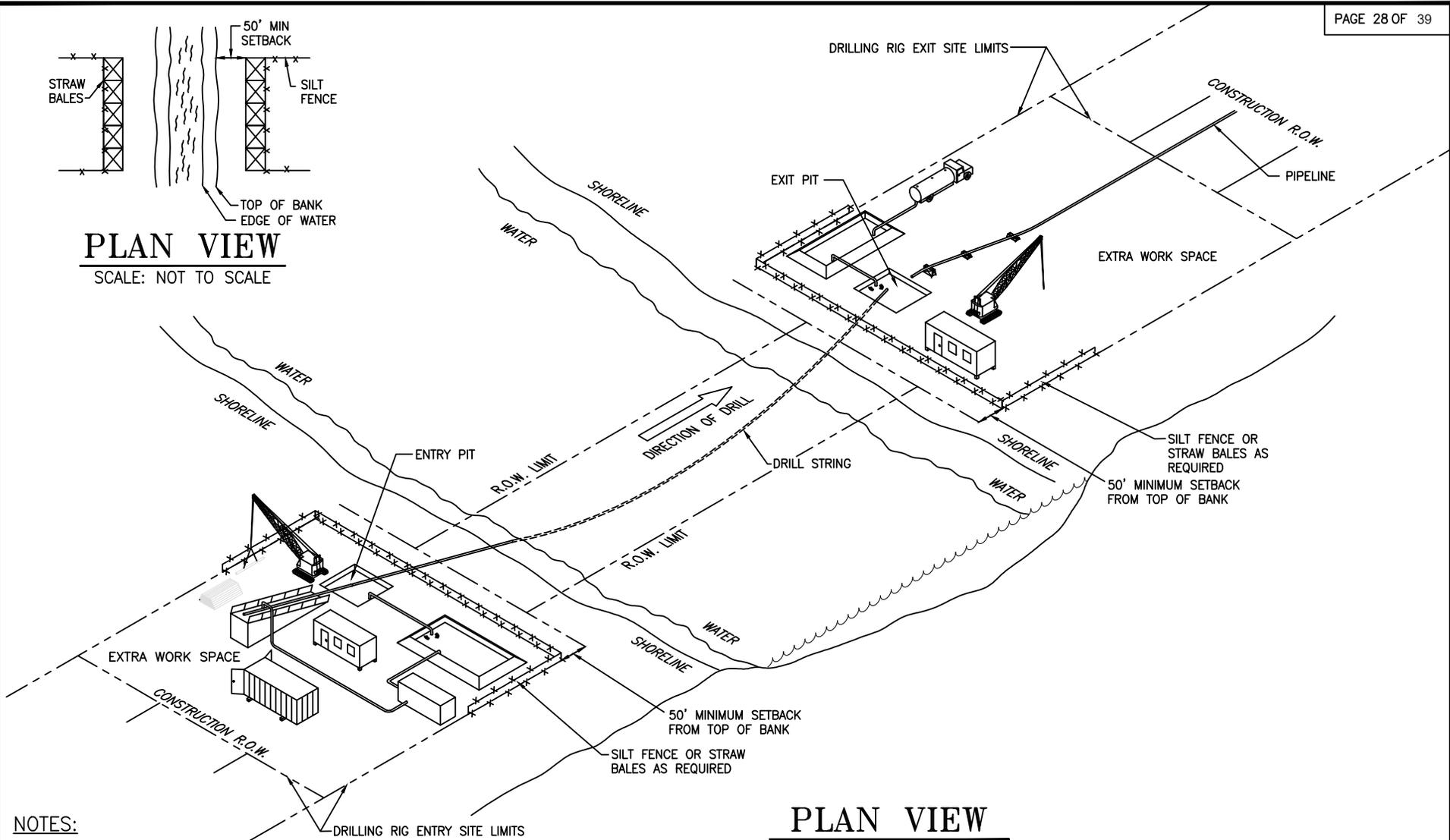


AXIS MIDSTREAM

**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL  
SAN PATRICIO & NUECES COUNTIES, TEXAS



**PLAN VIEW**  
SCALE: NOT TO SCALE



**PLAN VIEW**  
NOT TO SCALE

**NOTES:**

- 1. EXTRA WORK SPACE NOT LOCATED IN WETLANDS WHEN POSSIBLE.

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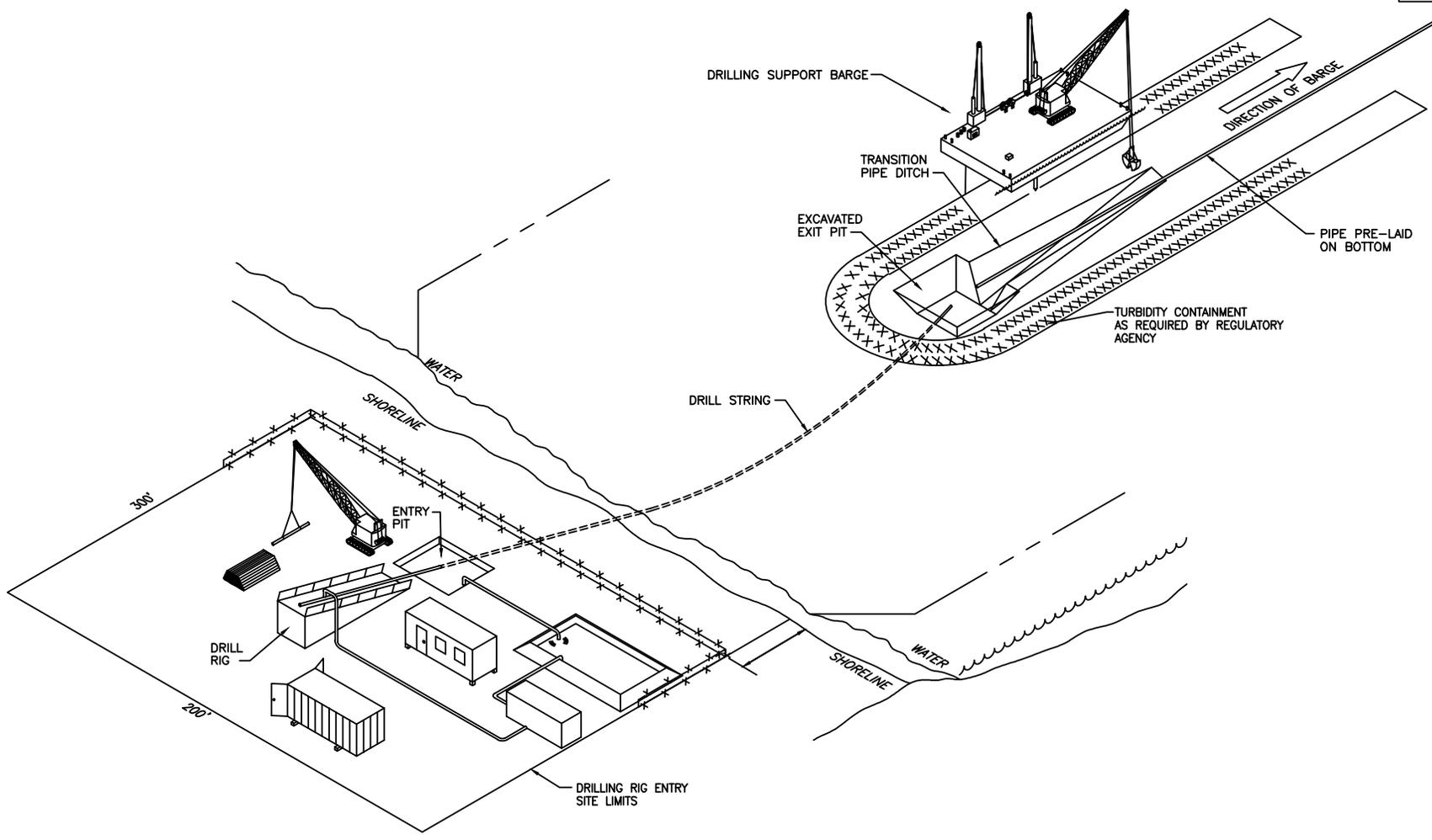
**TYPICAL CONST. LAYOUT**  
PLs: Waterbody Crossing

**U.S. ARMY CORPS OF ENGINEERS  
PERMIT APPLICATION  
SWG-2018-00789**



AXIS MIDSTREAM

**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL  
SAN PATRICIO & NUECES COUNTIES, TEXAS



### HORIZONTAL DIRECTIONAL DRILLING LAND TO WATER

SCALE: N.T.S  
CONDENSED FOR ILLUSTRATIVE PURPOSES

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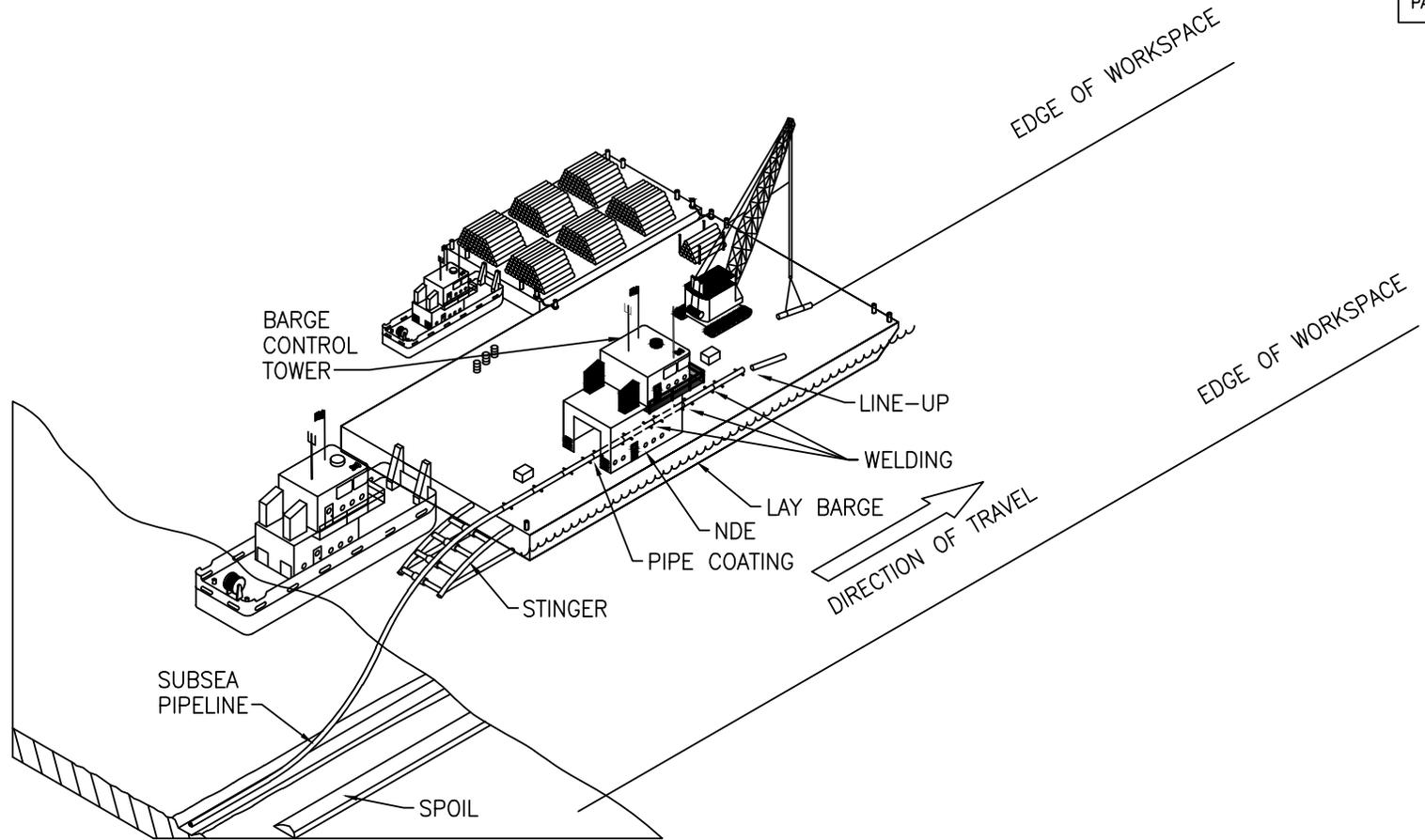
TYPICAL CONST. LAYOUT  
PLs: Land to Water

**U.S. ARMY CORPS OF ENGINEERS  
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SWG-2018-00789**



AXIS MIDSTREAM

**AXIS MIDSTREAM HOLDINGS, LLC**  
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MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL  
SAN PATRICIO & NUECES COUNTIES, TEXAS



**TYPICAL PIPELINE LAY BARGE SPREAD**

SCALE  
CONDENSED FOR ILLUSTRATIVE PURPOSES

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**TYPICAL CONST. LAYOUT**

PLs: Shallow Water Lay Barge

**U.S. ARMY CORPS OF ENGINEERS  
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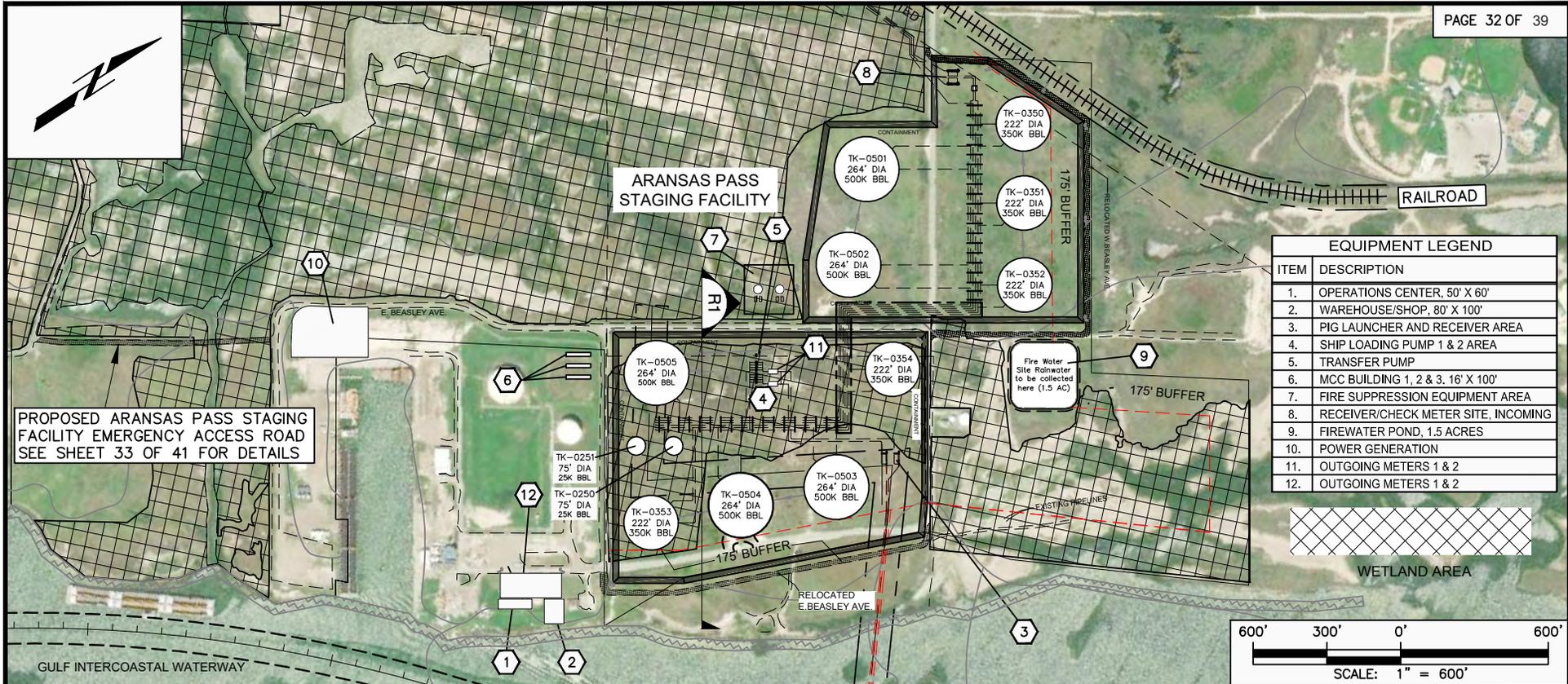
PLAN VIEW  
Midway Tank Farm

**U.S. ARMY CORPS OF ENGINEERS**  
**PERMIT APPLICATION**  
**SWG-2018-00789**



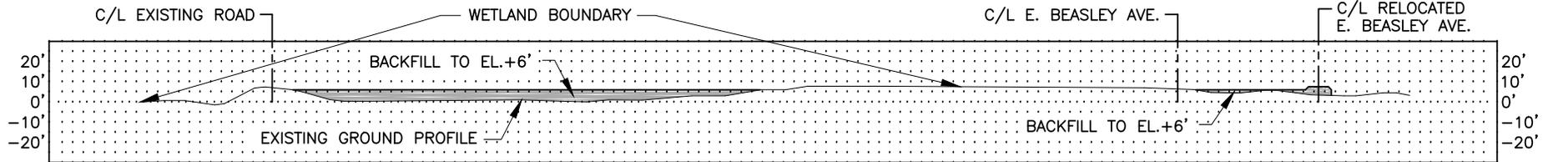
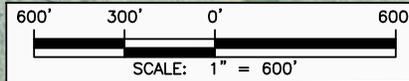
AXIS MIDSTREAM

**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
**MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL**  
SAN PATRICIO & NUECES COUNTIES, TEXAS



PROPOSED ARANSAS PASS STAGING FACILITY EMERGENCY ACCESS ROAD SEE SHEET 33 OF 41 FOR DETAILS

EQUIPMENT LEGEND	
ITEM	DESCRIPTION
1.	OPERATIONS CENTER, 50' X 60'
2.	WAREHOUSE/SHOP, 80' X 100'
3.	PIG LAUNCHER AND RECEIVER AREA
4.	SHIP LOADING PUMP 1 & 2 AREA
5.	TRANSFER PUMP
6.	MCC BUILDING 1, 2 & 3. 16' X 100'
7.	FIRE SUPPRESSION EQUIPMENT AREA
8.	RECEIVER/CHECK METER SITE, INCOMING
9.	FIREWATER POND, 1.5 ACRES
10.	POWER GENERATION
11.	OUTGOING METERS 1 & 2
12.	OUTGOING METERS 1 & 2



**R1** CROSS SECTION  
SCALE: 1"=150'  
VERT. SCALE: 1"=75'

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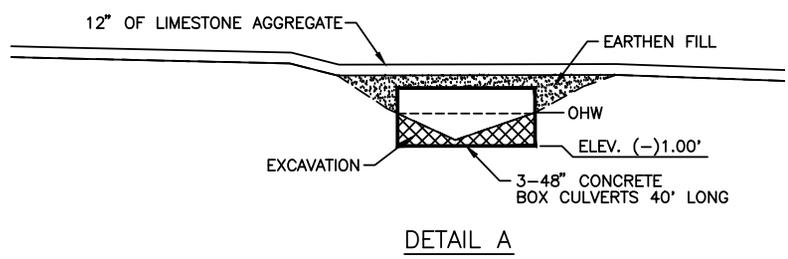
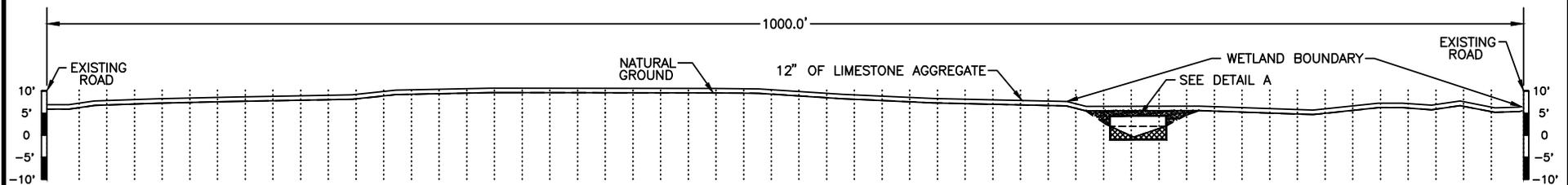
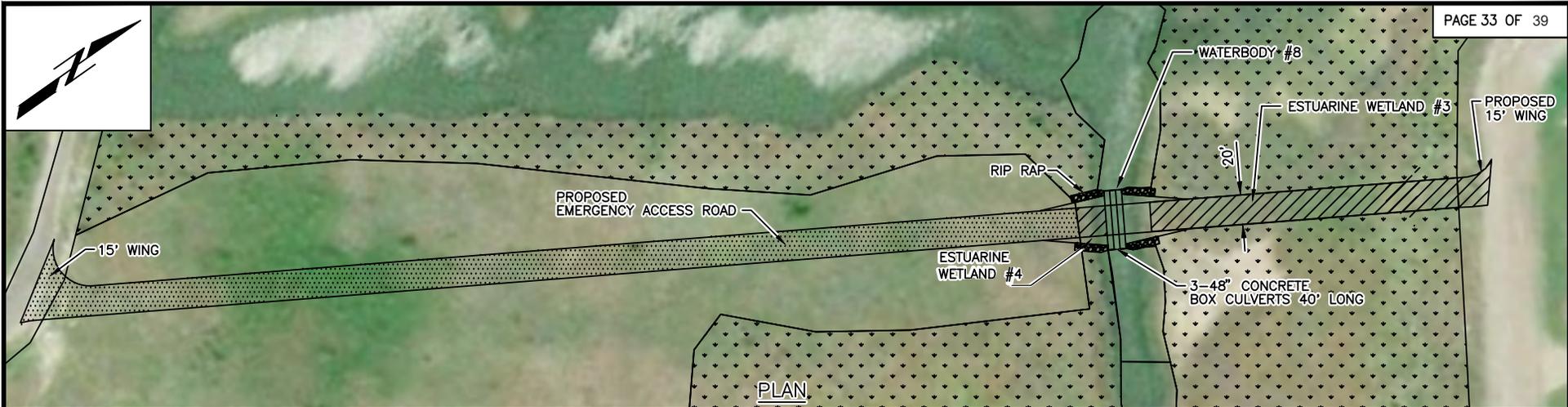
Date: 12/27/2018  
Revised: 04/23/2020

**PLAN VIEW/CROSS-SECTION**  
Aransas Pass Staging Facility

**U.S. ARMY CORPS OF ENGINEERS**  
**PERMIT APPLICATION**  
**SWG-2018-00789**



**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL  
SAN PATRICIO & NUECES COUNTIES, TEXAS



NOTES:

LIMESTONE AGGREGATE (EAST SIDE)	195 CU. YDS.
LIMESTONE AGGREGATE (IN WETLANDS)	540 CU. YDS.
EARTHEN FILL FOR ROAD	163 CU. YDS.
RIP-RAP	17 CU. YDS.
EXCAVATION FOR CULVERTS	102 CU. YDS.

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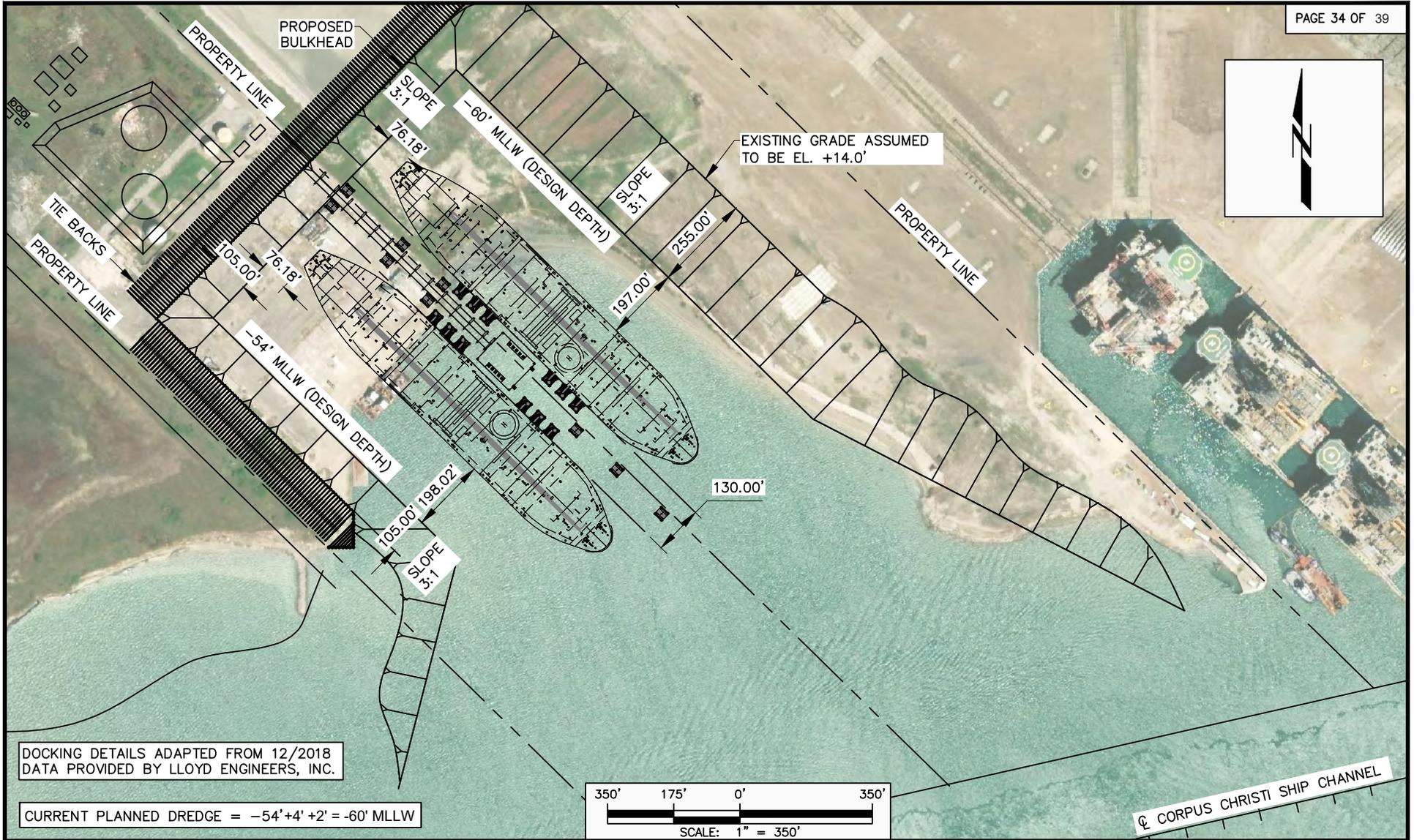
**PLAN VIEW/CROSS SECTION**  
ACCESS ROAD – ARANSAS FAC.

**U.S. ARMY CORPS OF ENGINEERS**  
**PERMIT APPLICATION**  
**SWG-2018-00789**



AXIS MIDSTREAM

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DOCKING DETAILS ADAPTED FROM 12/2018 DATA PROVIDED BY LLOYD ENGINEERS, INC.

CURRENT PLANNED DREDGE = -54'+4'+2' = -60' MLLW

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PLAN VIEW  
Harbor Island Marine Terminal

**U.S. ARMY CORPS OF ENGINEERS**  
**PERMIT APPLICATION**  
**SWG-2018-00789**

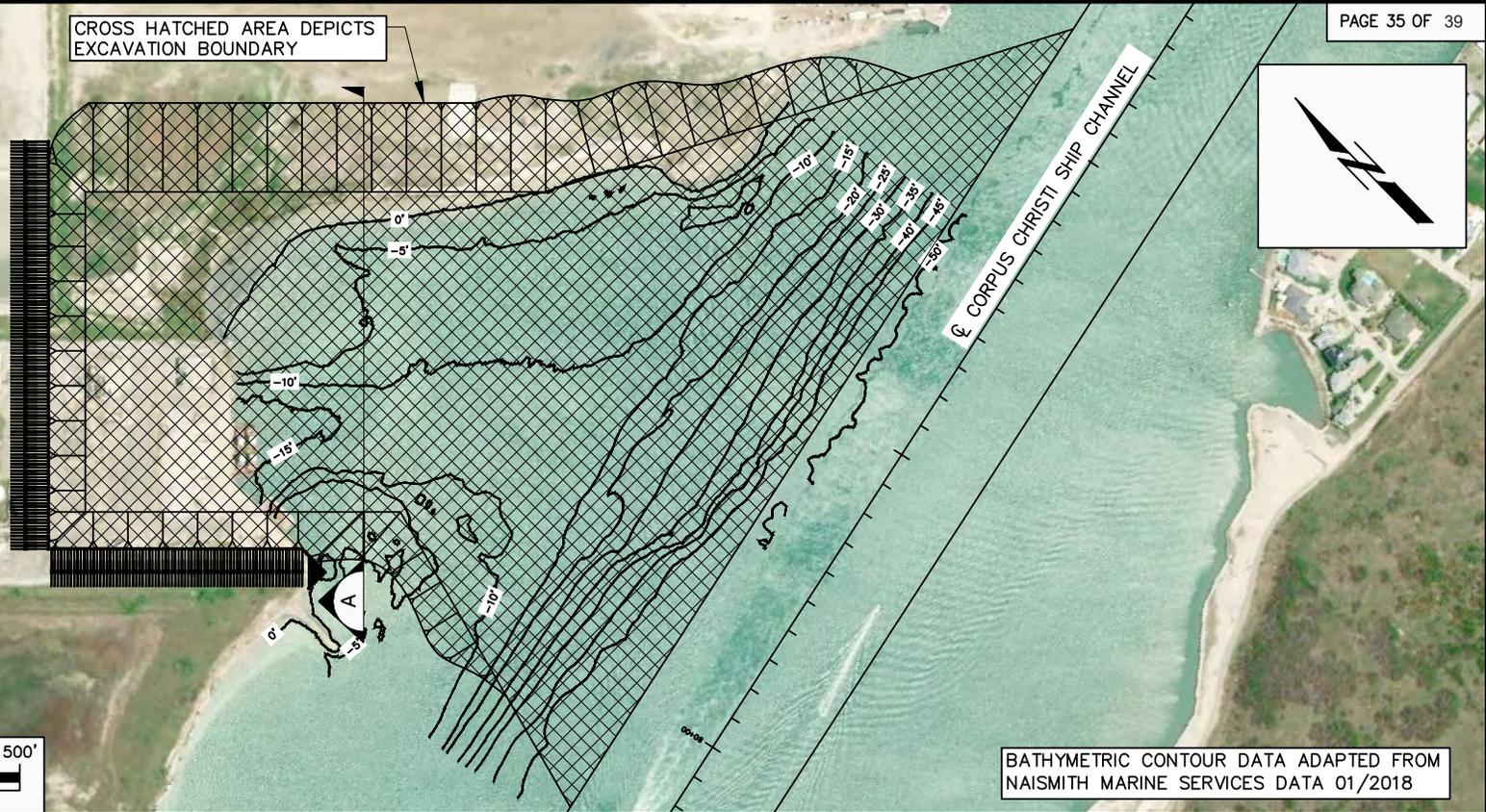


AXIS MIDSTREAM

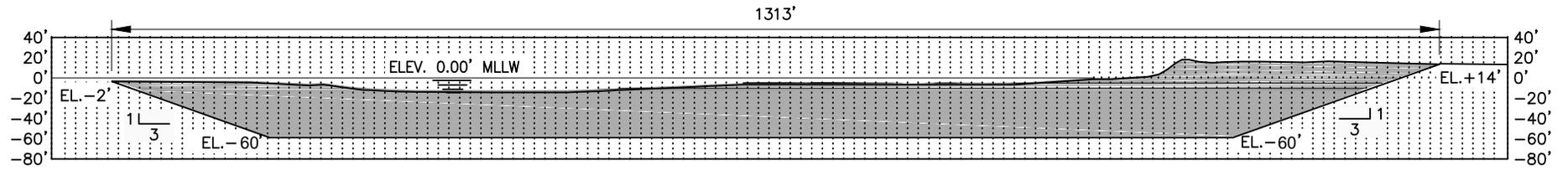
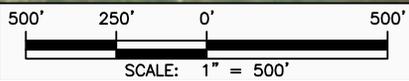
**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL  
SAN PATRICIO & NUECES COUNTIES, TEXAS

EQUIPMENT LEGEND	
ITEM	DESCRIPTION
1.	OFFICE
2.	16" PIG LAUNCHER/RECEIVER
3.	42" PIG LAUNCHER/RECEIVER #1
4.	42" PIG LAUNCHER/RECEIVER #2
5.	METER SKID #1
6.	METER SKID #2
7.	COMBUSTOR UNIT #1
8.	COMBUSTOR UNIT #2
9.	CONTROL BUILDING
10.	80K BBL. TANK
11.	80K BBL. TANK

CROSS HATCHED AREA DEPICTS EXCAVATION BOUNDARY



BATHYMETRIC CONTOUR DATA ADAPTED FROM NAISMITH MARINE SERVICES DATA 01/2018



**A** CROSS SECTION  
SCALE: 1"=150'

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**PLAN VIEW/CROSS SECTION**  
Harbor Island Marine Terminal

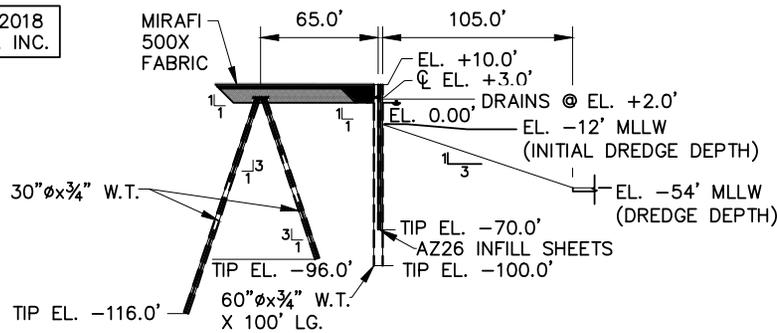
**U.S. ARMY CORPS OF ENGINEERS**  
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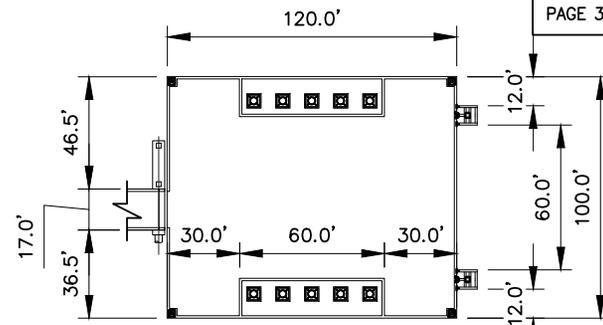
AXIS MIDSTREAM

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**MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL**  
SAN PATRICIO & NUECES COUNTIES, TEXAS

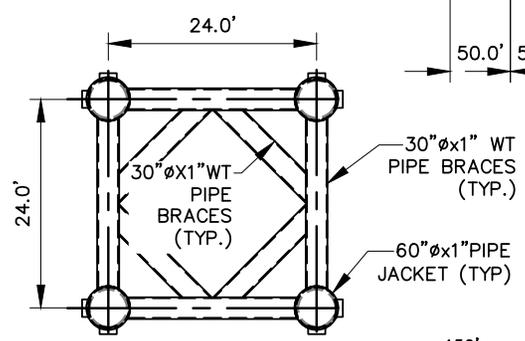
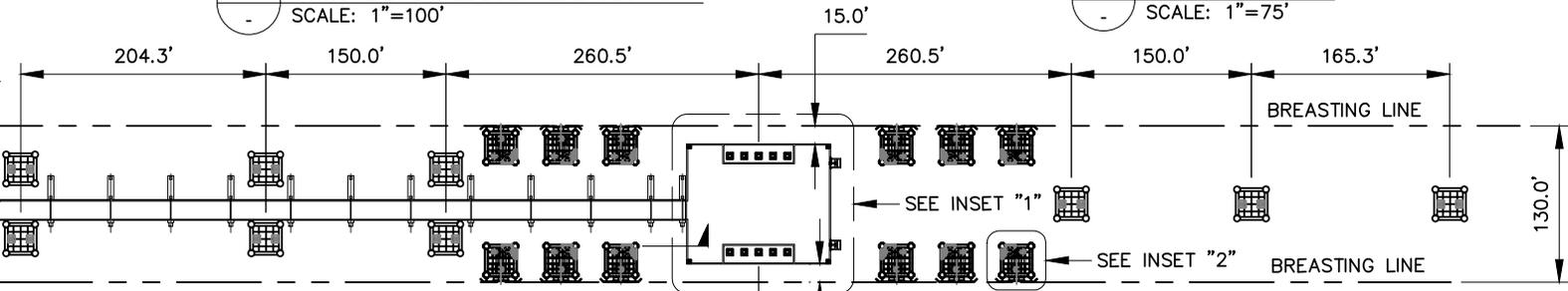
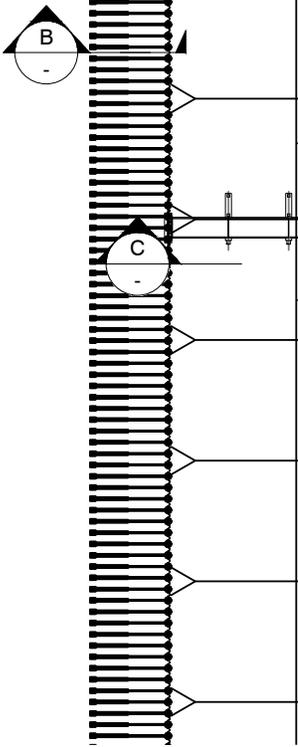
DOCKING DETAILS ADAPTED FROM 12/2018  
DATA PROVIDED BY LLOYD ENGINEERS, INC.



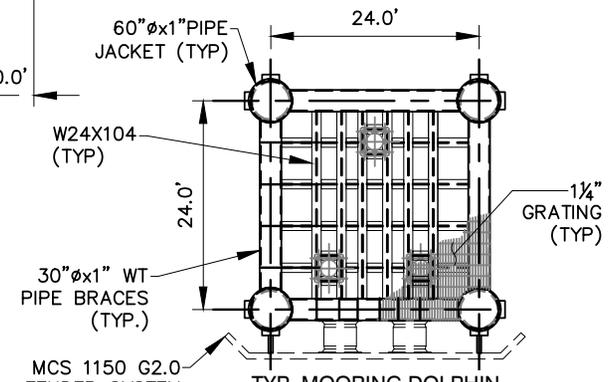
**(B) TYPICAL OVERALL BULKHEAD SECTION**  
SCALE: 1"=100'



**(1) SHIP DOCK INSET**  
SCALE: 1"=75'



**(2) TYP. MOORING DOLPHIN INSET AT EL +2.00'**  
SCALE: N.T.S.



**(2) TYP. MOORING DOLPHIN INSET AT EL +15.75'**  
SCALE: N.T.S.

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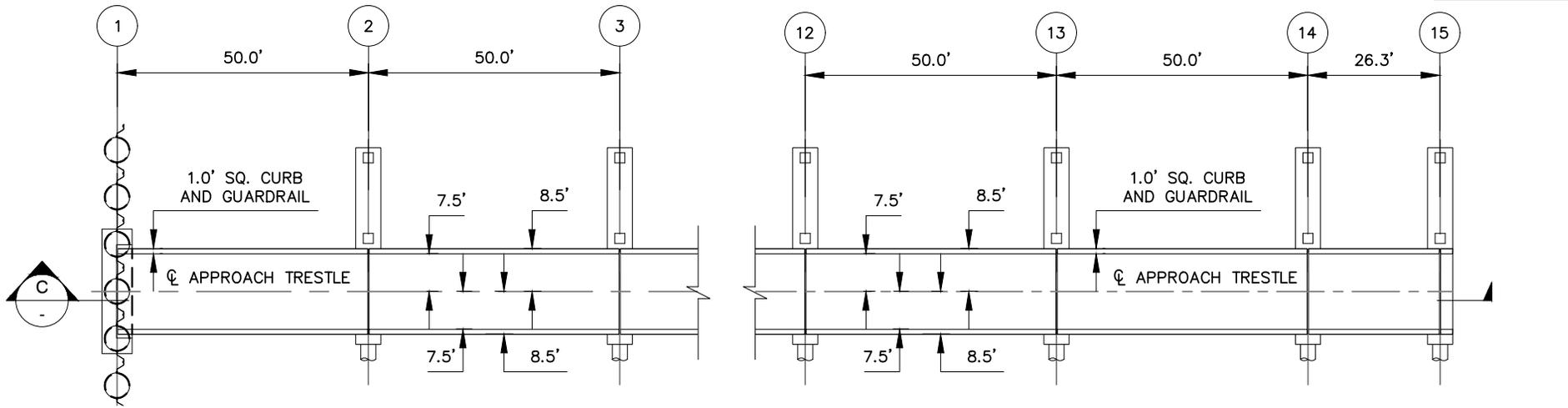
**PLAN VIEW/CROSS SECTIONS**  
Harbor Island: Structures

**U.S. ARMY CORPS OF ENGINEERS**  
**PERMIT APPLICATION**  
**SWG-2018-00789**

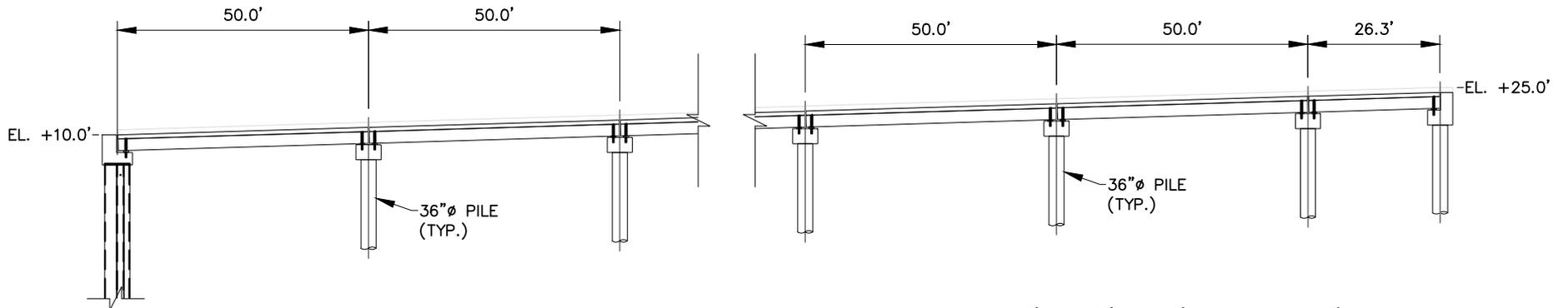


AXIS MIDSTREAM

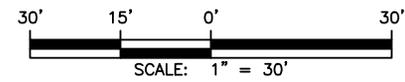
**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
**MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL**  
SAN PATRICIO & NUECES COUNTIES, TEXAS



1 APPROACH AND PIPE TRESTLE ENLARGED PLAN  
SCALE: 1"=30'-0"



C APPROACH TRESTLE SECTION  
SCALE: 1"=30'-0"



DOCKING DETAILS ADAPTED FROM 12/2018 DATA PROVIDED BY LLOYD ENGINEERS, INC.

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PLAN VIEW/CROSS SECTIONS  
Harbor Island: Structures

**U.S. ARMY CORPS OF ENGINEERS**  
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AXIS MIDSTREAM

**AXIS MIDSTREAM HOLDINGS, LLC**  
Proposed Pipelines & Facilities  
**MIDWAY to HARBOR ISLAND PIPELINES & TERMINAL**  
SAN PATRICIO & NUECES COUNTIES, TEXAS

Proposed Temporary and Permanent Impacts to Waters of the U.S.				
Feature ID	Cowardin Classification	Temporary Impact Area (Ac)	Permanent Impact Area (Ac)	Associated Project Component
Black Mangrove #1	E2SS Wetland	0.00	0.03	Pipeline Installation (trenched) <sup>1</sup>
Black Mangrove #2	E2SS Wetland	0.00	0.34	Pipeline Installation (trenched) <sup>1</sup>
Black Mangrove #3	E2SS Wetland	0.00	0.08	Pipeline Installation (trenched) <sup>1</sup>
Estuarine Wetland #1	E2EM Wetland	0.00	0.23	Aransas Pass Staging Facility (filled) <sup>2</sup>
Estuarine Wetland #2	E2EM Wetland	0.11	0.00	Pipeline Installation (trenched) <sup>3</sup>
Estuarine Wetland #3	E2EM Wetland	0.00	0.09	Aransas Pass Staging Facility Emergency Access Road (filled) <sup>2</sup>
Estuarine Wetland #4	E2EM Wetland	0.00	0.01	Aransas Pass Staging Facility Emergency Access Road (filled) <sup>2</sup>
Seagrass Bed #1	E1AB Seagrass	0.00	1.45	Pipeline Installation (trench) <sup>4</sup>
Seagrass Bed #2	E1AB Seagrass	0.00	0.02	Pipeline Installation (trench) <sup>4</sup>
Seagrass Bed #3	E1AB Seagrass	0.00	0.04	Pipeline Installation (trench) <sup>4</sup>
Seagrass Bed #4	E1AB Seagrass	0.00	0.11	Pipeline Installation (trench) <sup>4</sup>
Seagrass Bed #5	E1AB Seagrass	0.00	0.32	Pipeline Installation (trench) <sup>4</sup>
Seagrass Bed #6	E1AB Seagrass	0.00	2.31	Pipeline Installation (trench) <sup>4</sup>
Seagrass Bed #7	E1AB Seagrass	0.00	3.59	Pipeline Installation (trench) <sup>4</sup>
Smooth Cordgrass	E2EM Wetland	0.02	0.00	Pipeline Installation (trenched) <sup>3</sup>
Tidal Flat	E2US Tidal Flat	10.64	0.00	Pipeline Installation (trenched) <sup>3</sup>
Waterbody #1	Perennial Stream	0.00	0.00	Pipeline Installation (bored) <sup>5</sup>
Waterbody #2	Drainage Ditch	0.08	0.00	Pipeline Installation (trenched) <sup>3</sup>
Waterbody #3	Drainage Ditch	0.00	0.00	Pipeline Installation (bored) <sup>5</sup>
Waterbody #4	Drainage Ditch	0.00	0.00	Pipeline Installation (bored) <sup>5</sup>
Waterbody #5	Perennial Stream	0.24	0.00	Pipeline Installation (trenched) <sup>3</sup>
Waterbody #6	PUB Pond	0.03	0.00	Pipeline Installation (trenched) <sup>3</sup>
Waterbody #7	PUB Pond	0.15	0.00	Pipeline Installation (trenched) <sup>3</sup>
Waterbody #8	Tidal Stream	0.00	0.02	Aransas Pass Staging Facility Emergency Access Road (filled) <sup>2</sup>
Wetland #1A	PEM Wetland	5.54	0.00	Pipeline Installation (trenched) <sup>3</sup>
Wetland #1B	PEM Wetland	2.03	0.00	Pipeline Installation (trenched) <sup>3</sup>
Wetland #2	PEM Wetland	0.03	0.00	Pipeline Installation (trenched) <sup>3</sup>
Wetland #3	PEM Wetland	0.05	0.00	Pipeline Installation (trenched) <sup>3</sup>
Wetland #4	E2EM Wetland	0.10	0.00	Pipeline Installation (trenched) <sup>3</sup>
Wetland #5	E2EM Wetland	5.77	0.00	Pipeline Installation (trenched) <sup>3</sup>
Wetland #6	E2EM Wetland	0.00	0.92	Aransas Pass Staging Facility (filled) <sup>2</sup>
Wetland #7	E2EM Wetland	0.00	0.07	Aransas Pass Staging Facility (filled) <sup>2</sup>
Wetland #8	E2EM Wetland	0.00	0.20	Aransas Pass Staging Facility (filled) <sup>2</sup>
Wetland #9	E2EM Wetland	0.00	15.80	Aransas Pass Staging Facility (filled) <sup>2</sup>
<b>TOTALS</b>	<b>PEM Wetlands (4)</b>	<b>7.65</b>	<b>0.00</b>	<b>Table Footnotes</b> 1. Impacts to this feature were considered permanent due to the required clearing of woody black mangrove vegetation within the construction workspace. 2. Impacts to this feature were considered permanent due to the required discharge of fill material to support the construction of the Aransas Pass Facility/Emergency Access Road. 3. Impacts to this feature were considered temporary as pre-construction contours and conditions will be restored following the completion of construction activities. 4. Impacts to all seagrass located within the construction footprint were considered permanent due to the proposed disturbance and temporary excavation of material. However, pre-construction contours and conditions will be restored following the completion of construction activities. 5. Both temporary and permanent impacts to this feature were avoided using HDD/boring pipeline installation techniques.
	<b>E2SS Wetlands (3)</b>	<b>0.00</b>	<b>0.45</b>	
	<b>E2EM Wetland (11)</b>	<b>6.00</b>	<b>17.32</b>	
	<b>PUB Pond (2)</b>	<b>0.18</b>	<b>0.00</b>	
	<b>E1AB Seagrass (7)</b>	<b>0.00</b>	<b>7.84</b>	
	<b>E2US Tidal Flat (1)</b>	<b>10.64</b>	<b>0.00</b>	
	<b>Perennial Stream (2)</b>	<b>0.24</b>	<b>0.00</b>	
	<b>Drainage Ditch (3)</b>	<b>0.08</b>	<b>0.00</b>	
	<b>Tidal Stream (1)</b>	<b>0.00</b>	<b>0.02</b>	
	<b>Total Impacts (34)</b>	<b>24.78</b>	<b>25.63</b>	

**NOTES FOR TERRESTRIAL CROSS SECTIONS:**

- 1.) PRIOR TO COMMENCEMENT OF EXCAVATION ACTIVITIES THE APPLICANT OR THEIR CONTRACTOR SHALL NOTIFY TEXAS811.
- 2.) SPOIL WILL BE TEMPORARILY STOCKPILED ADJACENT TO THE PIPELINE TRENCH AND USED AS BACKFILL UPON COMPLETION.

**NOTES ON MARINE CROSS SECTIONS:**

- 1.) PRIOR TO COMMENCEMENT OF EXCAVATION ACTIVITIES THE APPLICANT OR THEIR CONTRACTOR SHALL NOTIFY TEXAS811.
- 2.) SPOIL WILL BE TEMPORARILY STOCKPILED ADJACENT TO THE PIPELINE TRENCH AND USED AS BACKFILL UPON COMPLETION.
- 3.) PILE SUPPORTED SIGNS WILL BE DEPLOYED ADJACENT TO THE TEMPORARY SPOIL AREAS TO NOTIFY MARINERS OF THE POTENTIAL SUBMERGED HAZARD

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

Date: 12/27/2018  
Revised: 04/23/2020

**IMPACT TABLES & NOTES**

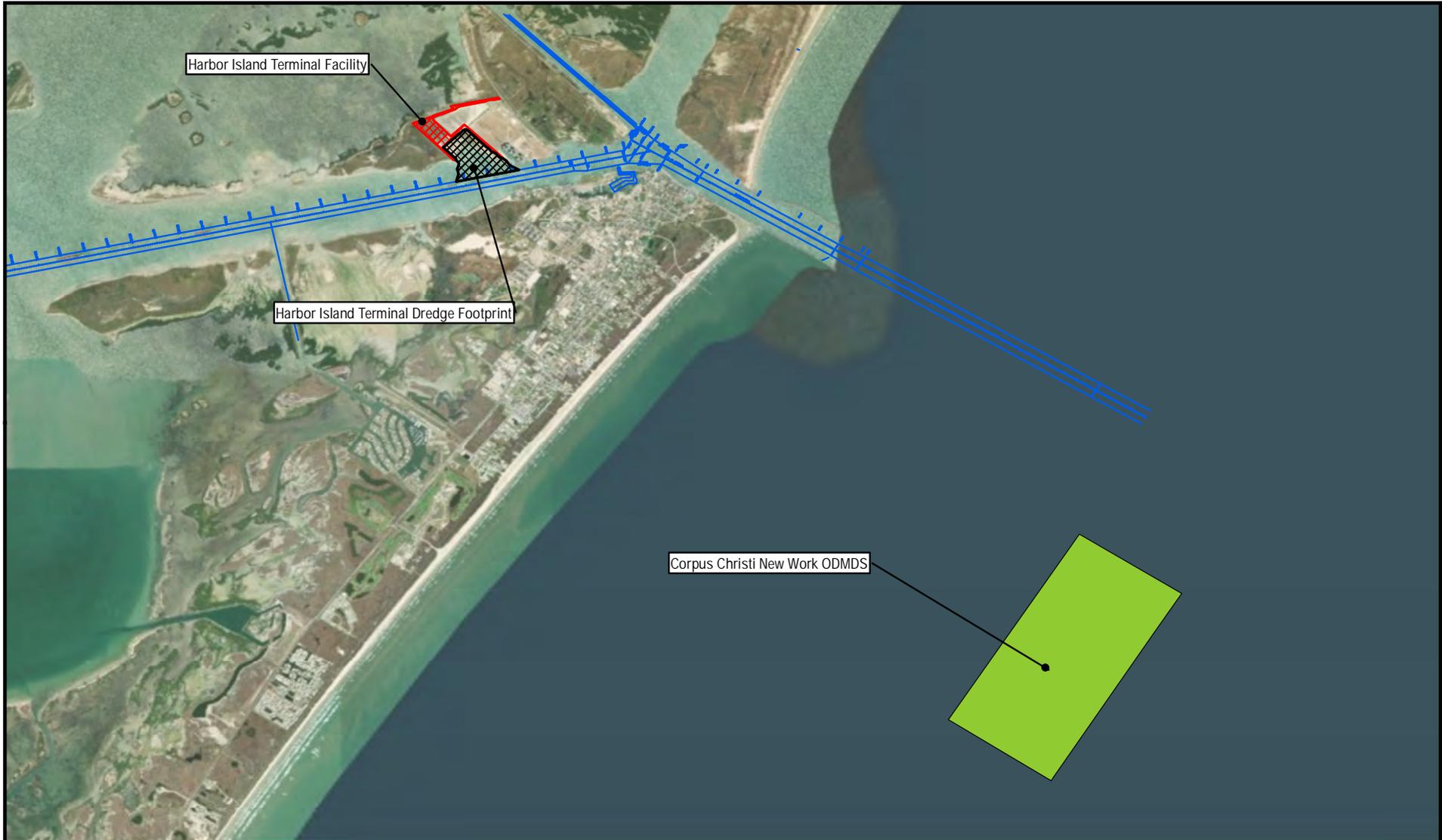
PLs & Fac: Midway T.F. to Harbor Island

**U.S. ARMY CORPS OF ENGINEERS  
PERMIT APPLICATION  
SWG-2018-00789**



**AXIS MIDSTREAM HOLDINGS, LLC**

Proposed Pipelines & Facilities  
MIDWAY to HARBOR ISLAND PROJECT  
SAN PATRICIO & NUECES COUNTIES, TEXAS



**Legend**

-  Harbor Island Terminal Dredge Footprint
-  Harbor Island Terminal Site
-  Corpus Christi New Work ODMDS
-  Corpus Christi Ship Channel Limits

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

0 0.5 1 2 Miles

**SHEET 39 of 39**

Proposed Dredge Material Placement Areas

Midway to Harbor Island Pipelines  
 & Facilities Project  
 Axis Midstream Holdings, LLC  
 USACE Permit No. SWG-2018-00789  
 San Patricio and Nueces Counties, Texas

Date: Apr 22, 2020	
Prepared By: C. Gerken	
Project: Axis	

1 inch = 6,261.04 feet