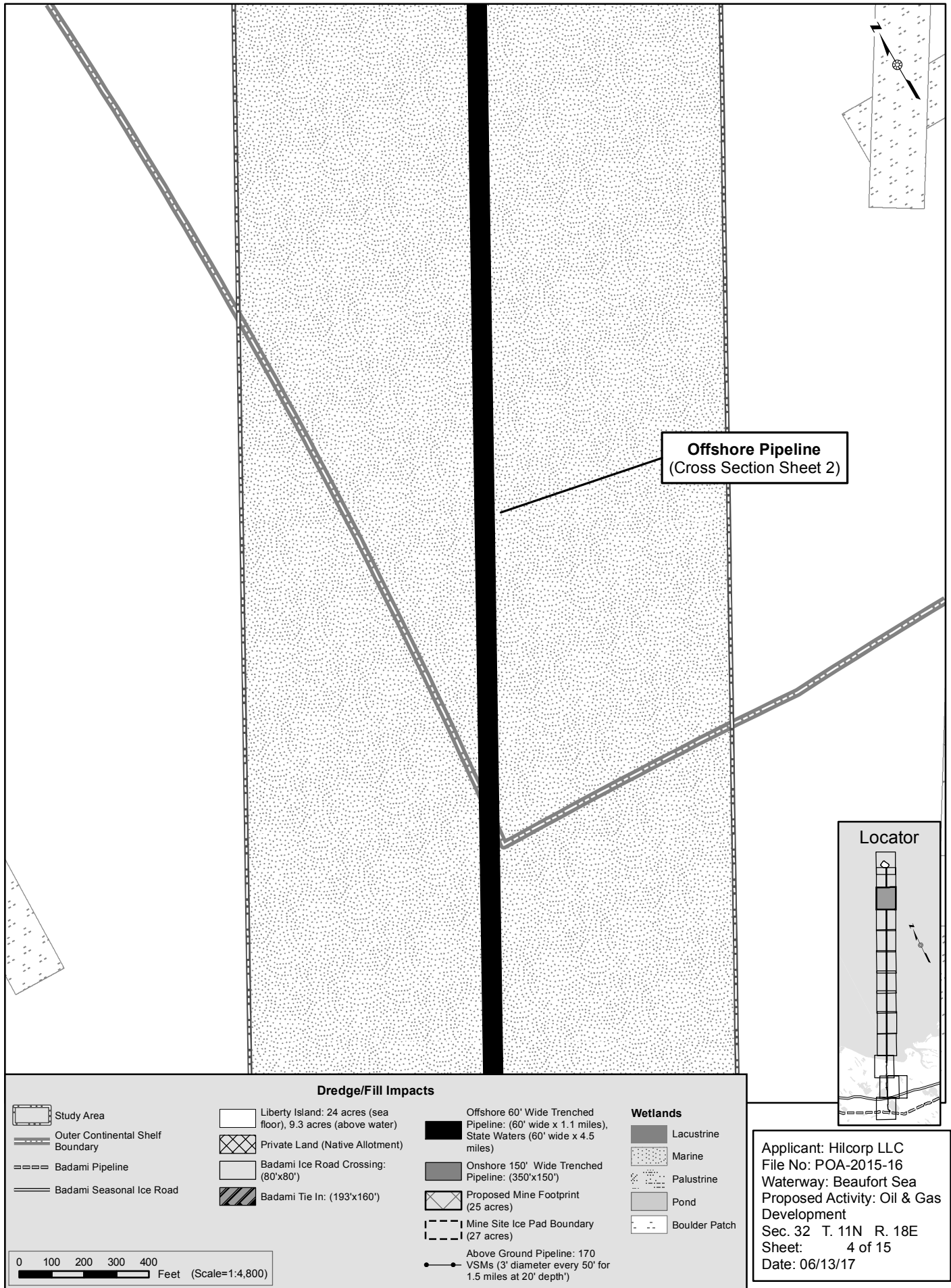
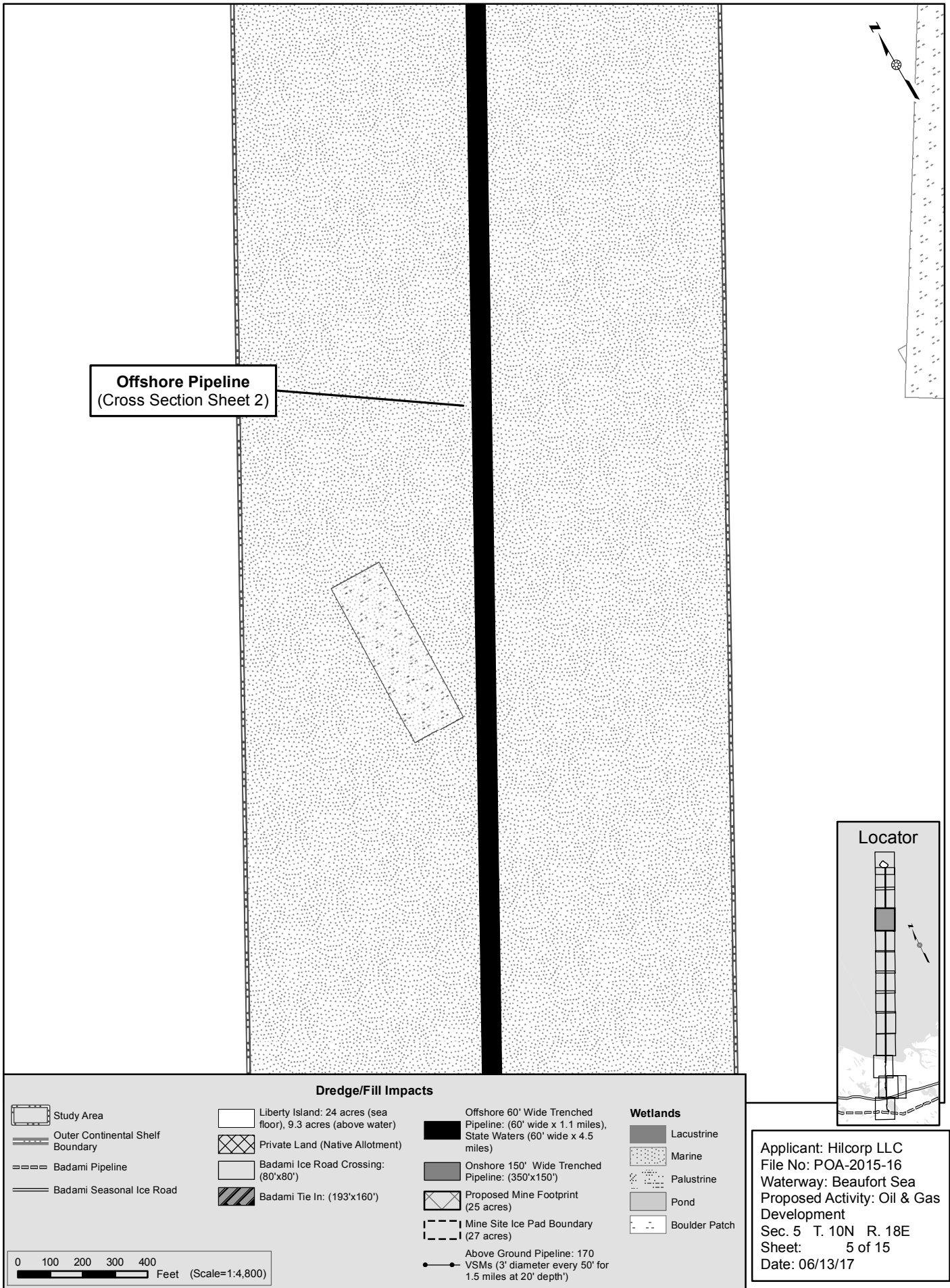


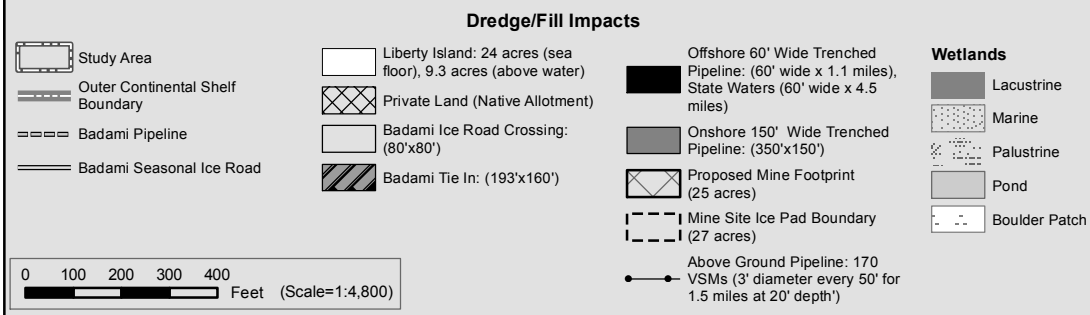
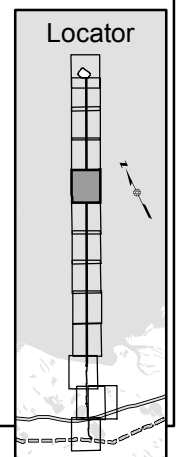
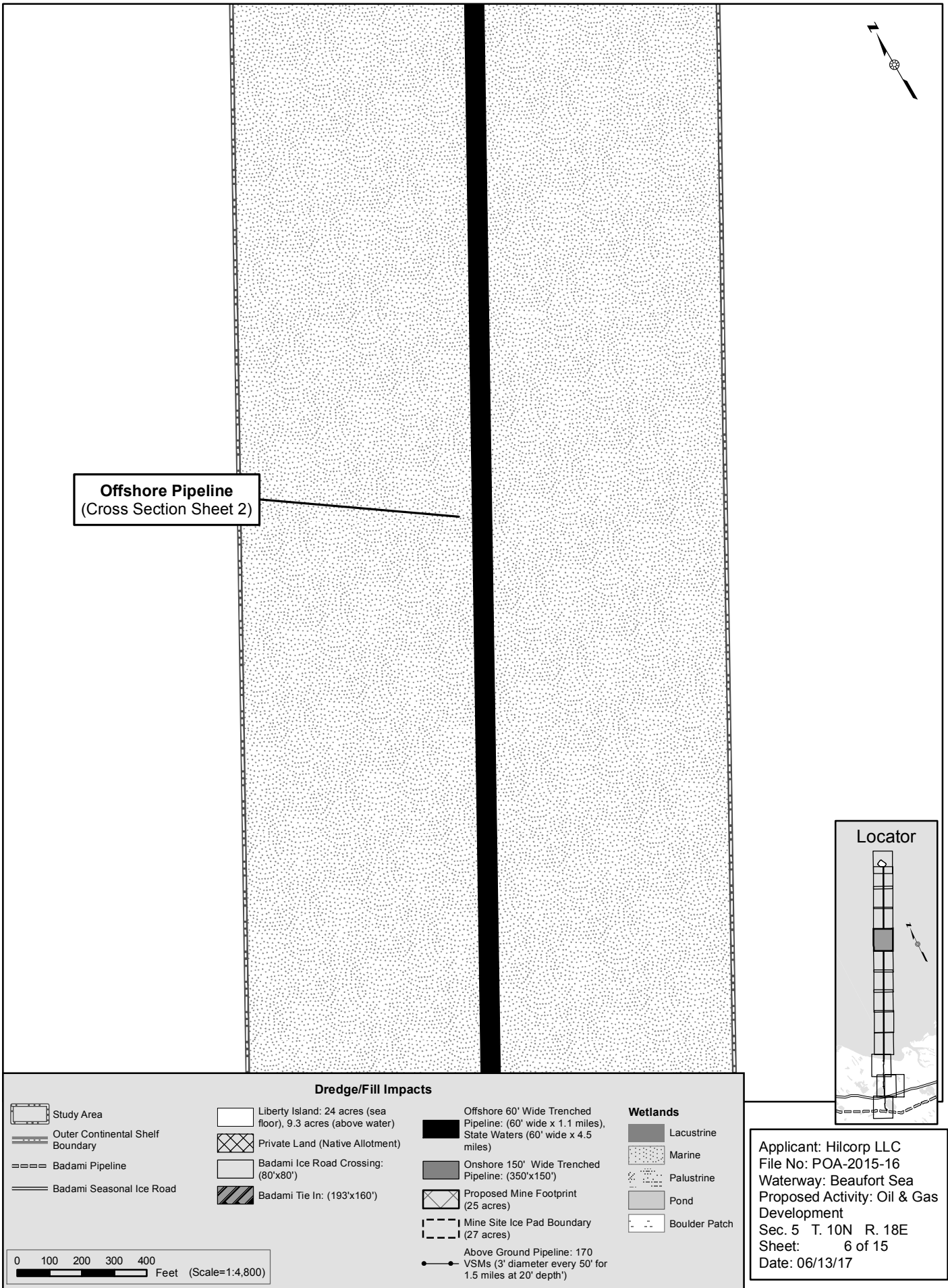
### Dredge/Fill Impacts

Study Area	Liberty Island: 24 acres (sea floor), 9.3 acres (above water)	Offshore 60' Wide Trenched Pipeline: (60' wide x 1.1 miles), State Waters (60' wide x 4.5 miles)	<b>Wetlands</b>
Outer Continental Shelf Boundary	Private Land (Native Allotment)	Onshore 150' Wide Trenched Pipeline: (350'x150')	Lacustrine
Badami Pipeline	Badami Ice Road Crossing: (80'x80')	Proposed Mine Footprint (25 acres)	Marine
Badami Seasonal Ice Road	Badami Tie In: (193'x160')	Mine Site Ice Pad Boundary (27 acres)	Palustrine
		Above Ground Pipeline: 170 VSMs (3' diameter every 50' for 1.5 miles at 20' depth)	Pond
			Boulder Patch

Applicant: Hilcorp LLC  
 File No: POA-2015-16  
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 Proposed Activity: Oil & Gas Development  
 Sec. 33 T. 11N R. 18E  
 Sheet: 3 of 15  
 Date: 06/13/17

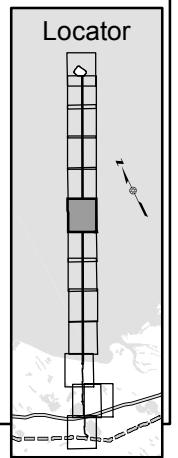
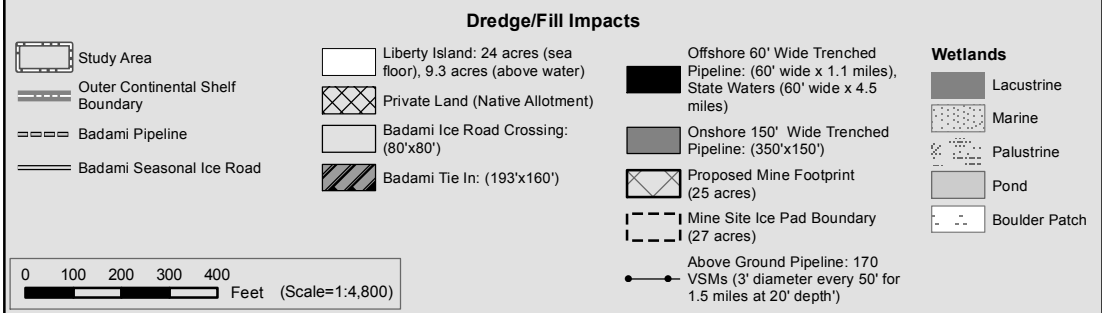
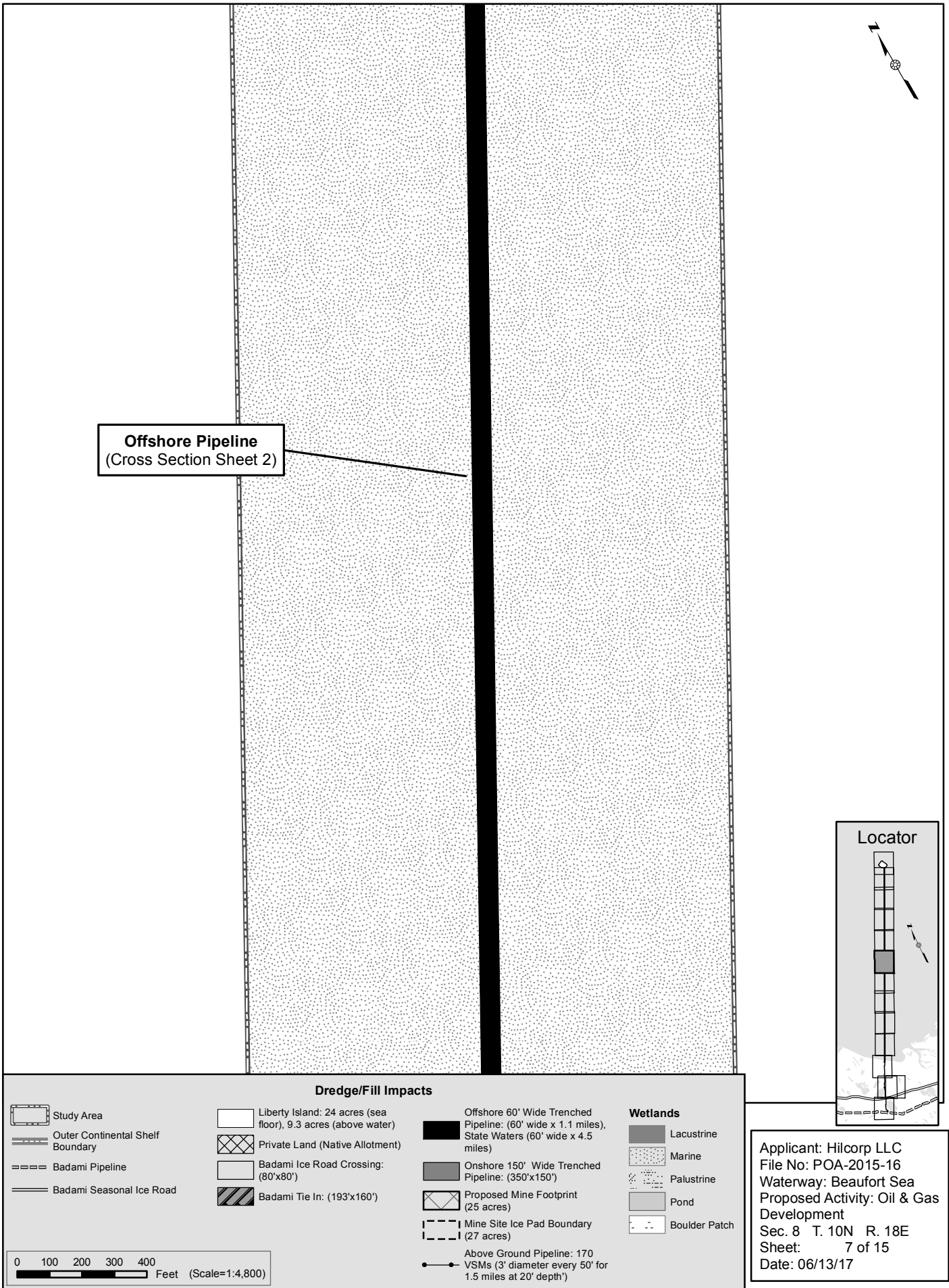




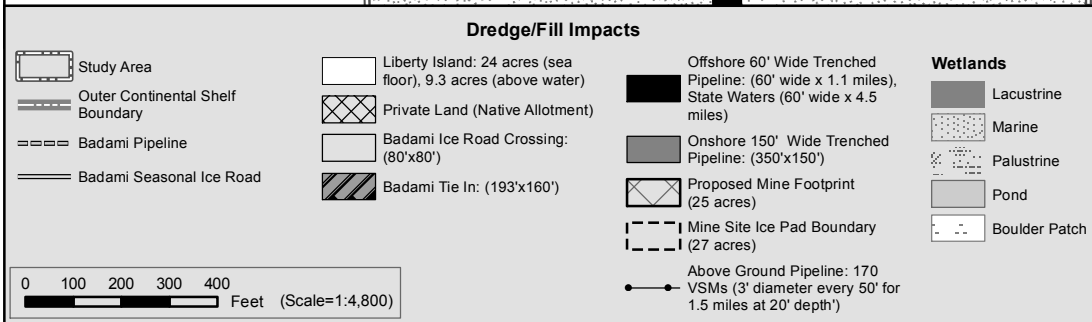
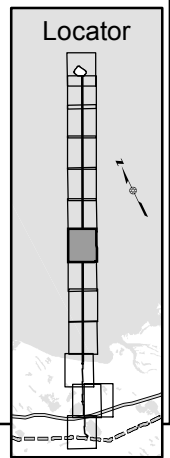
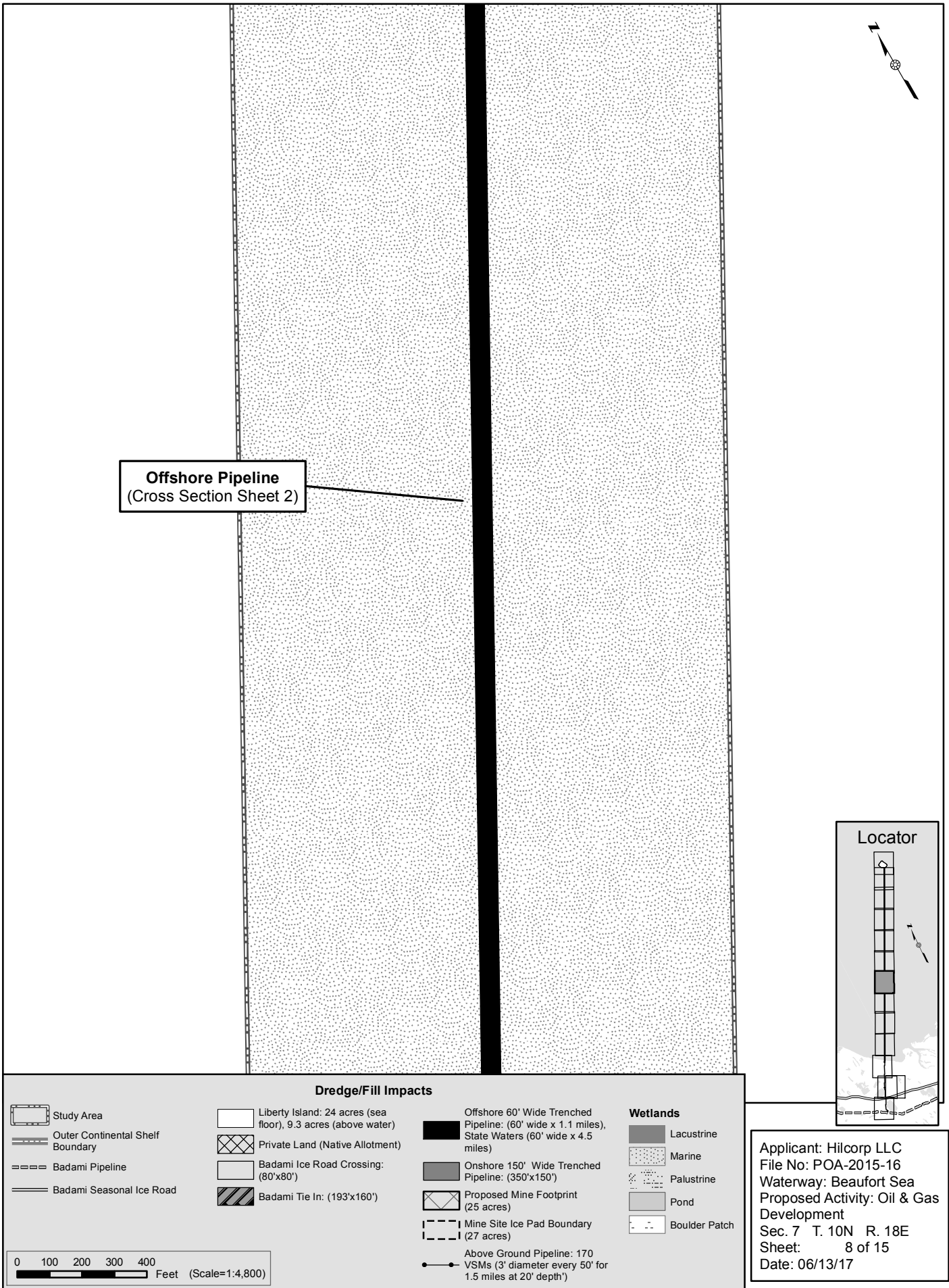


Applicant: Hilcorp LLC  
 File No: POA-2015-16  
 Waterway: Beaufort Sea  
 Proposed Activity: Oil & Gas Development  
 Sec. 5 T. 10N R. 18E  
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 Date: 06/13/17



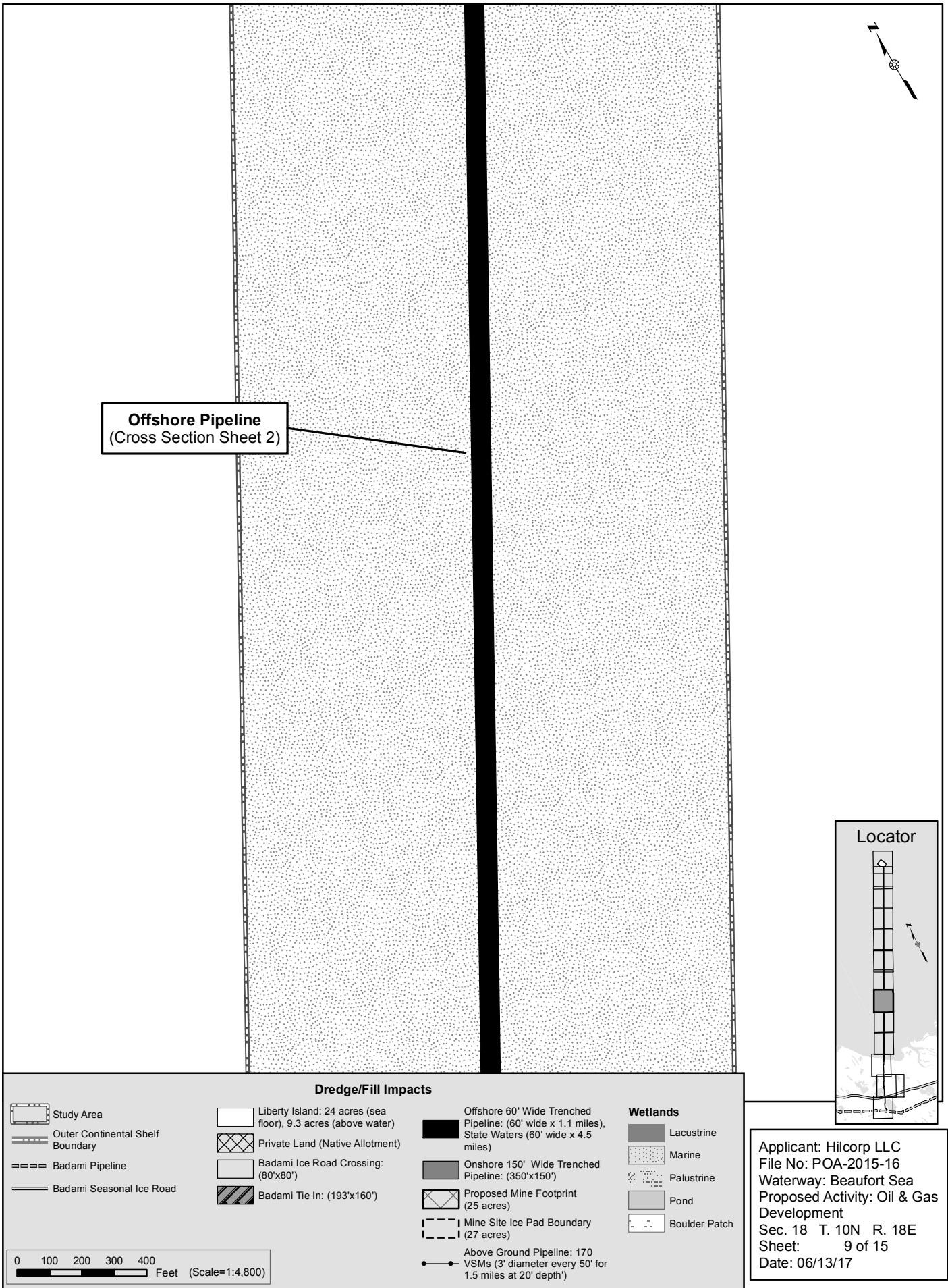


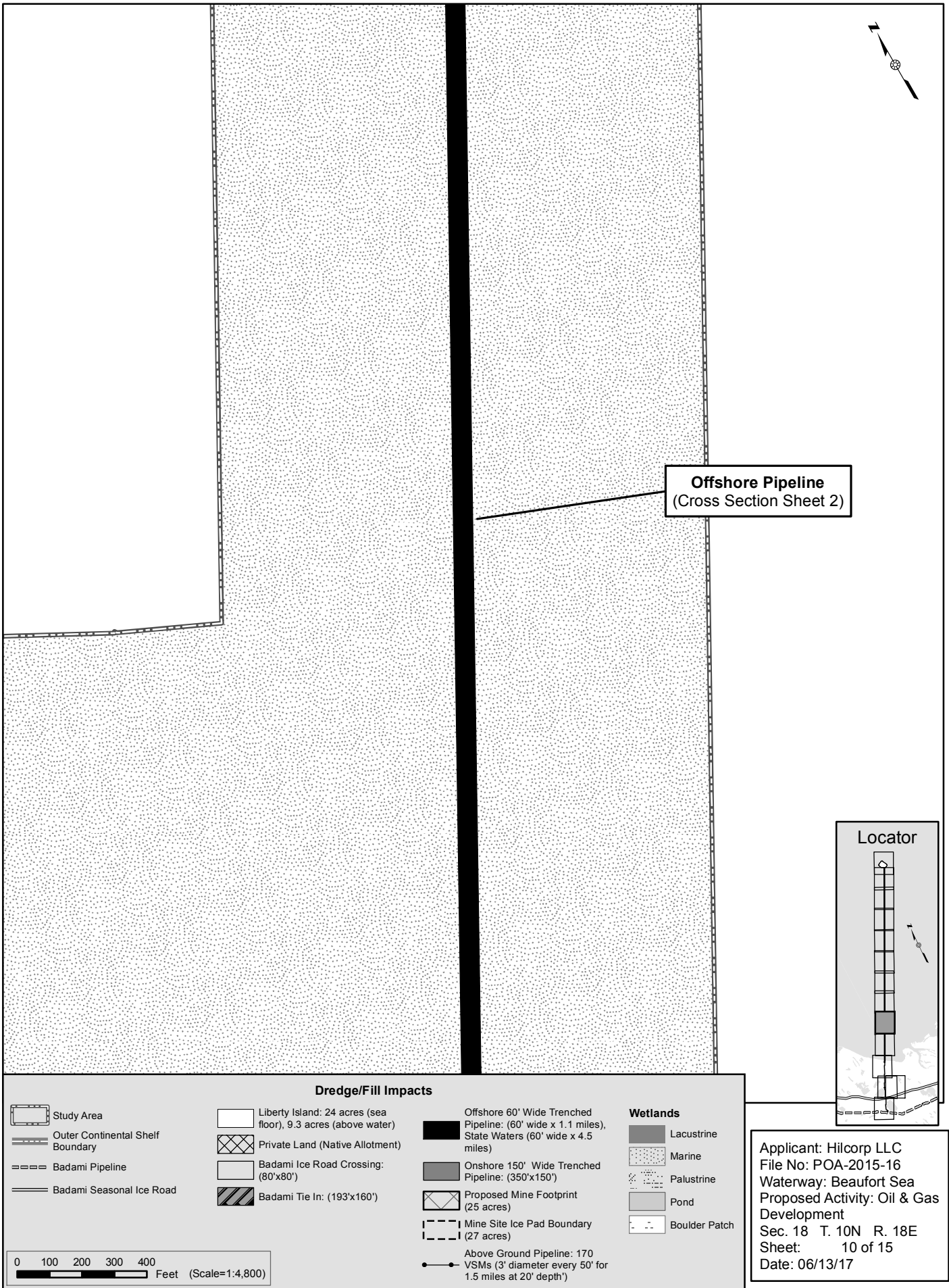
Applicant: Hilcorp LLC  
File No: POA-2015-16  
Waterway: Beaufort Sea  
Proposed Activity: Oil & Gas Development  
Sec. 8 T. 10N R. 18E  
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Applicant: Hilcorp LLC  
 File No: POA-2015-16  
 Waterway: Beaufort Sea  
 Proposed Activity: Oil & Gas Development  
 Sec. 7 T. 10N R. 18E  
 Sheet: 8 of 15  
 Date: 06/13/17

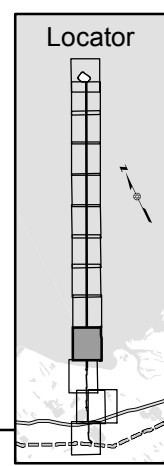








**Offshore Pipeline**  
(Cross Section Sheet 2)



**Study Area**

**Outer Continental Shelf Boundary**

**Badami Pipeline**

**Badami Seasonal Ice Road**

**Liberty Island: 24 acres (sea floor), 9.3 acres (above water)**

**Private Land (Native Allotment)**

**Badami Ice Road Crossing: (80'x80')**

**Badami Tie In: (193'x160')**

**Offshore 60' Wide Trenched Pipeline: (60' wide x 1.1 miles), State Waters (60' wide x 4.5 miles)**

**Onshore 150' Wide Trenched Pipeline: (350'x150')**

**Proposed Mine Footprint (25 acres)**

**Mine Site Ice Pad Boundary (27 acres)**

**Above Ground Pipeline: 170 VSMs (3' diameter every 50' for 1.5 miles at 20' depth)**

**Wetlands**  
**Lacustrine**

**Marine**

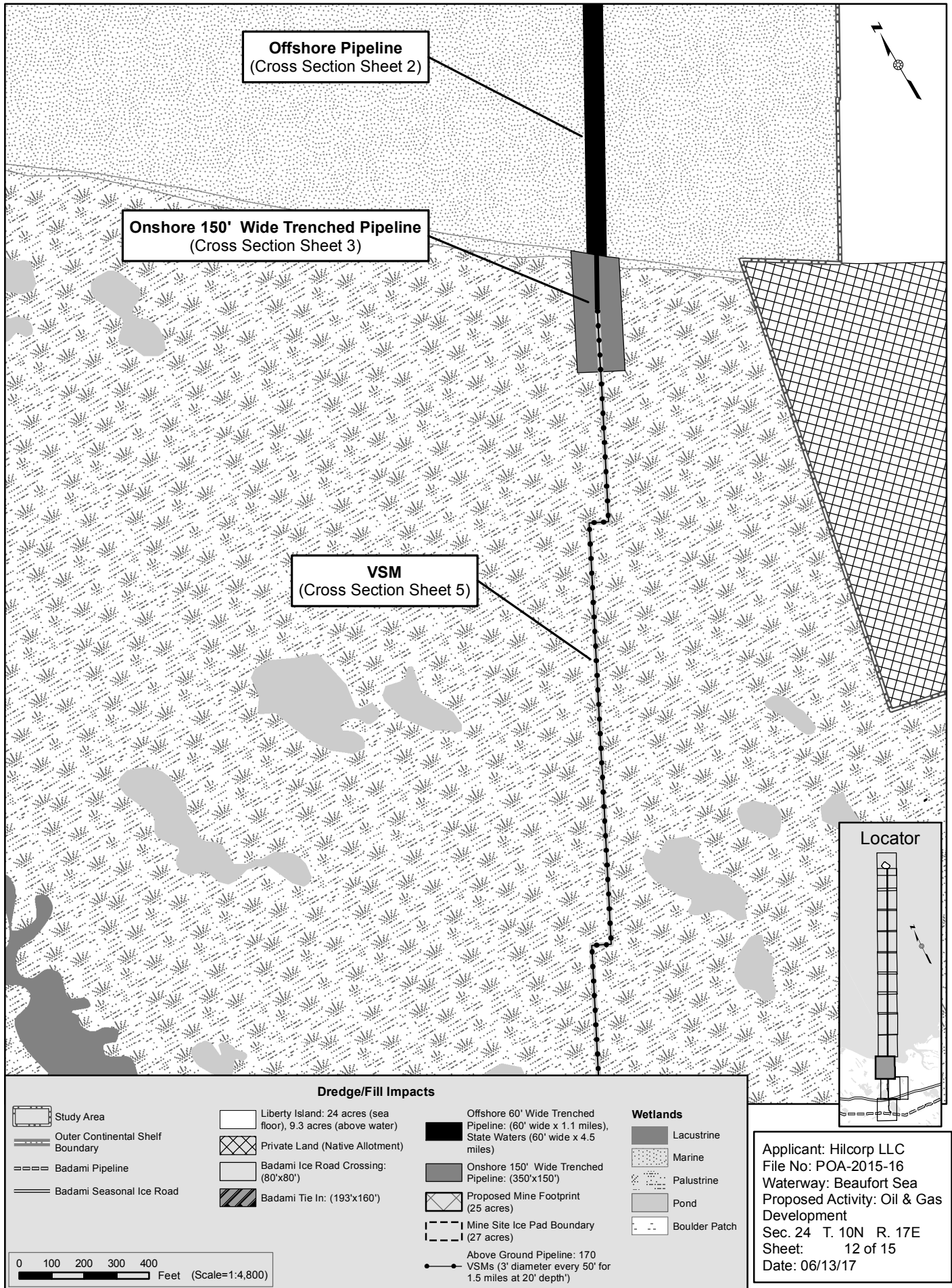
**Palustrine**

**Pond**

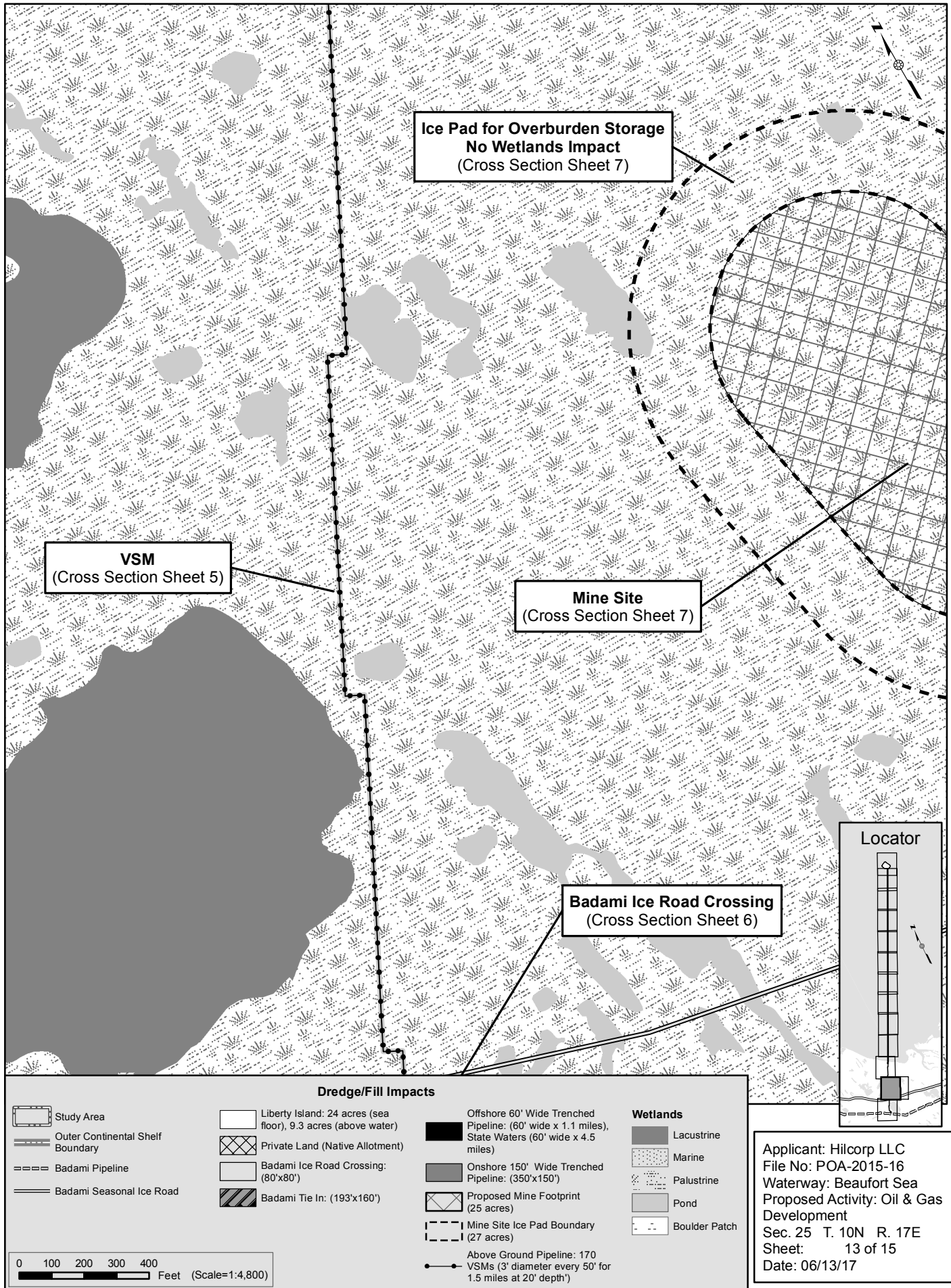
**Boulder Patch**

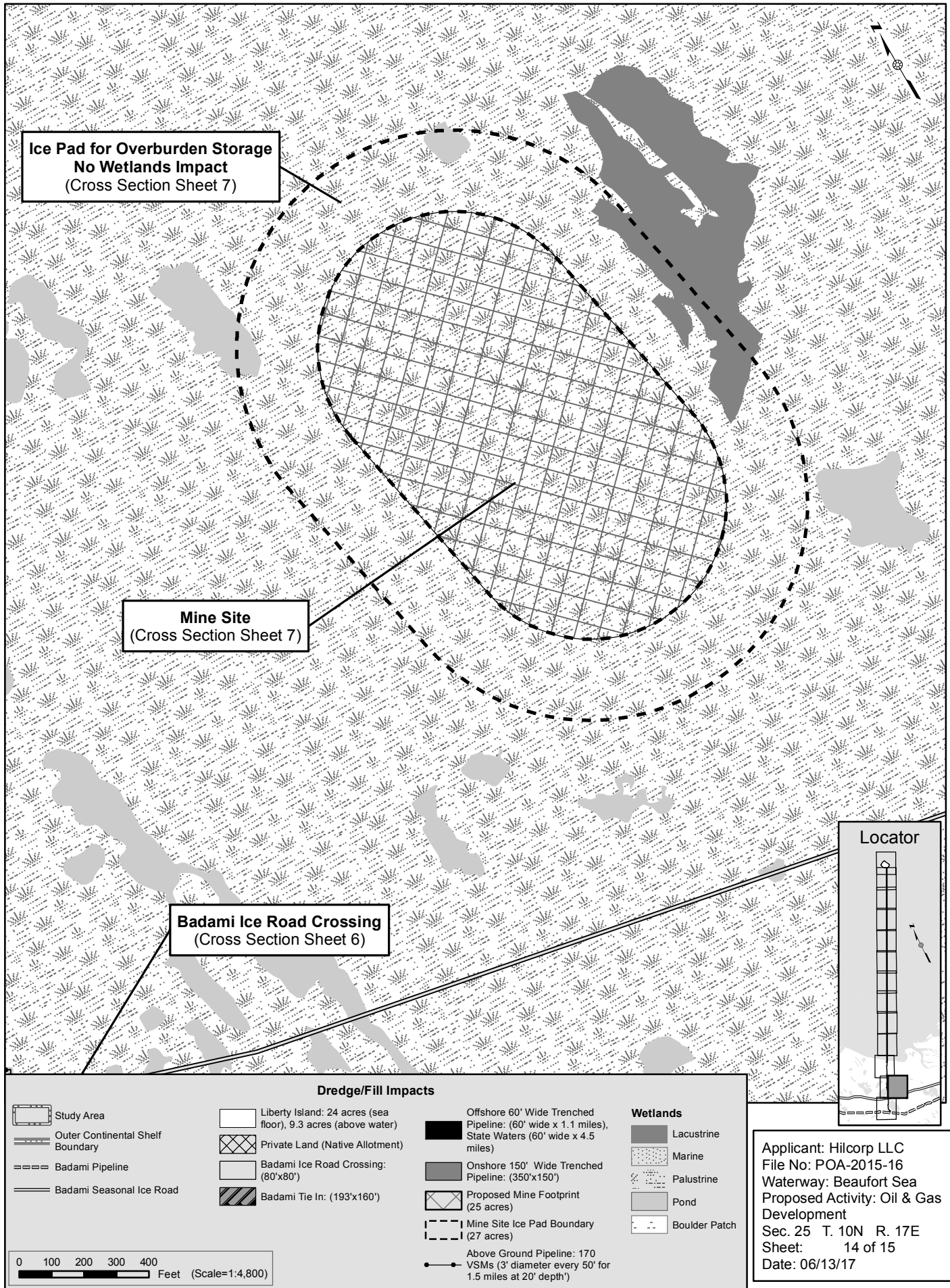
**0 100 200 300 400 Feet (Scale=1:4,800)**

Applicant: Hilcorp LLC  
File No: POA-2015-16  
Waterway: Beaufort Sea  
Proposed Activity: Oil & Gas Development  
Sec. 19 T. 10N R. 18E  
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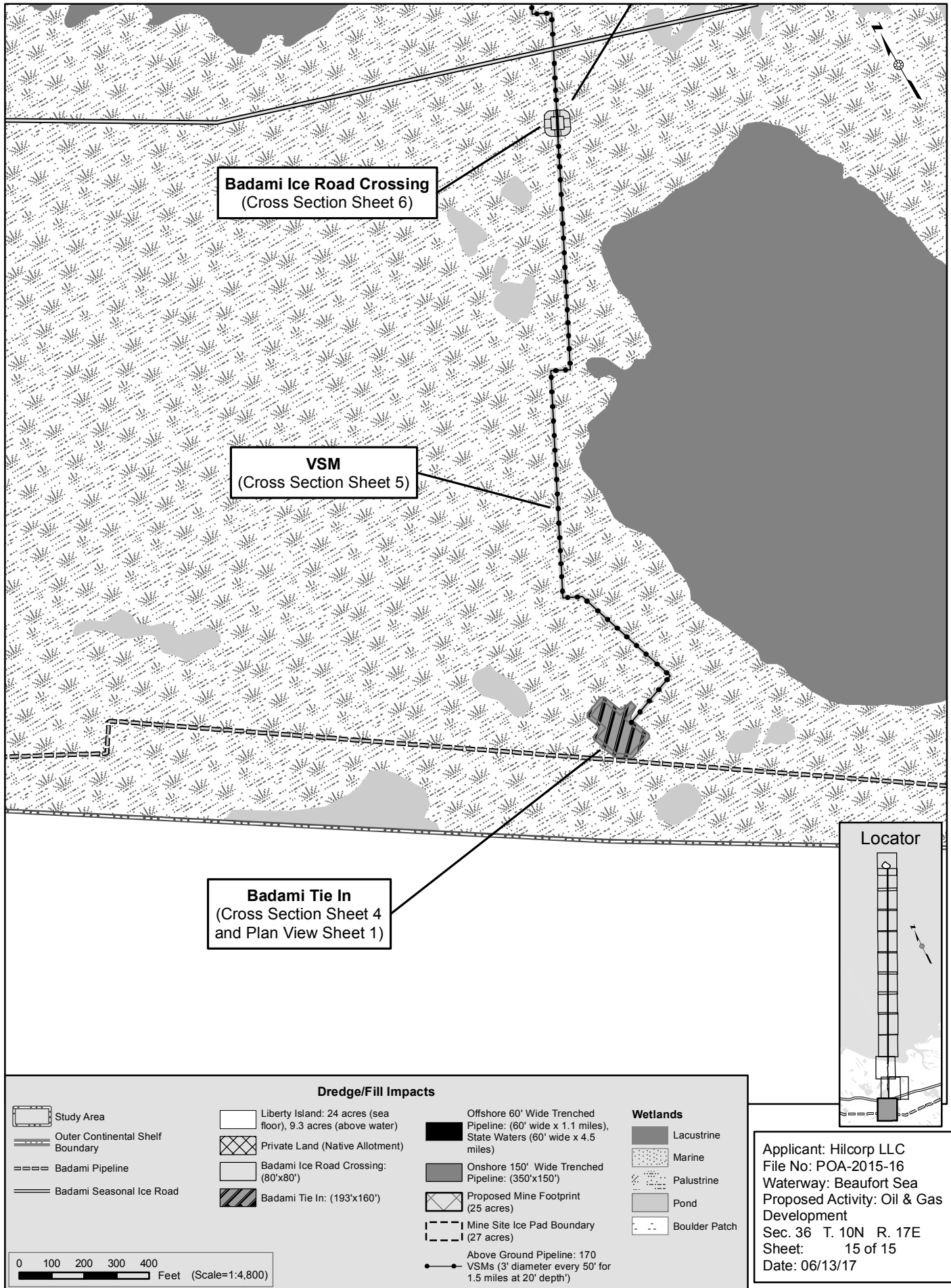




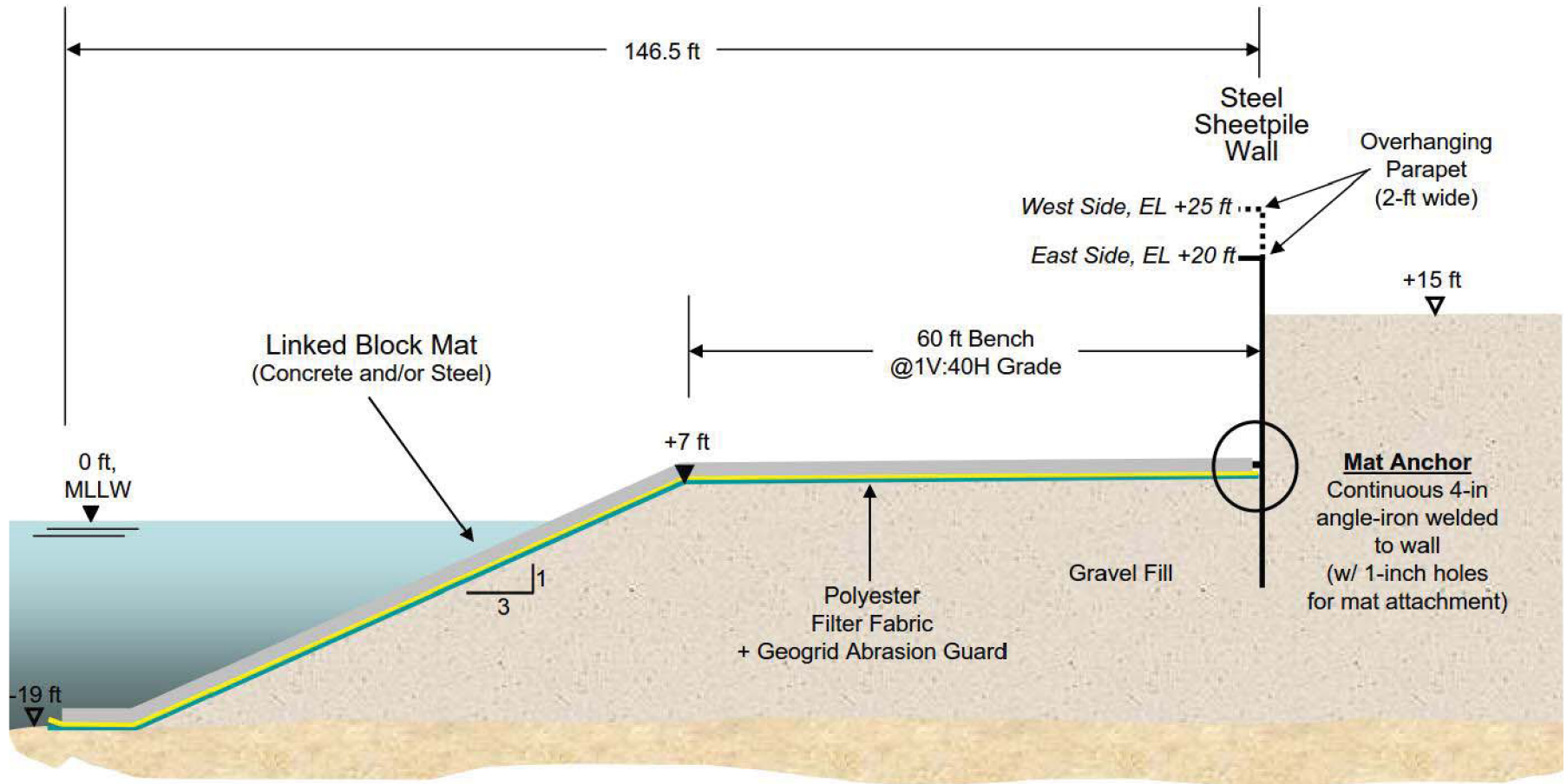






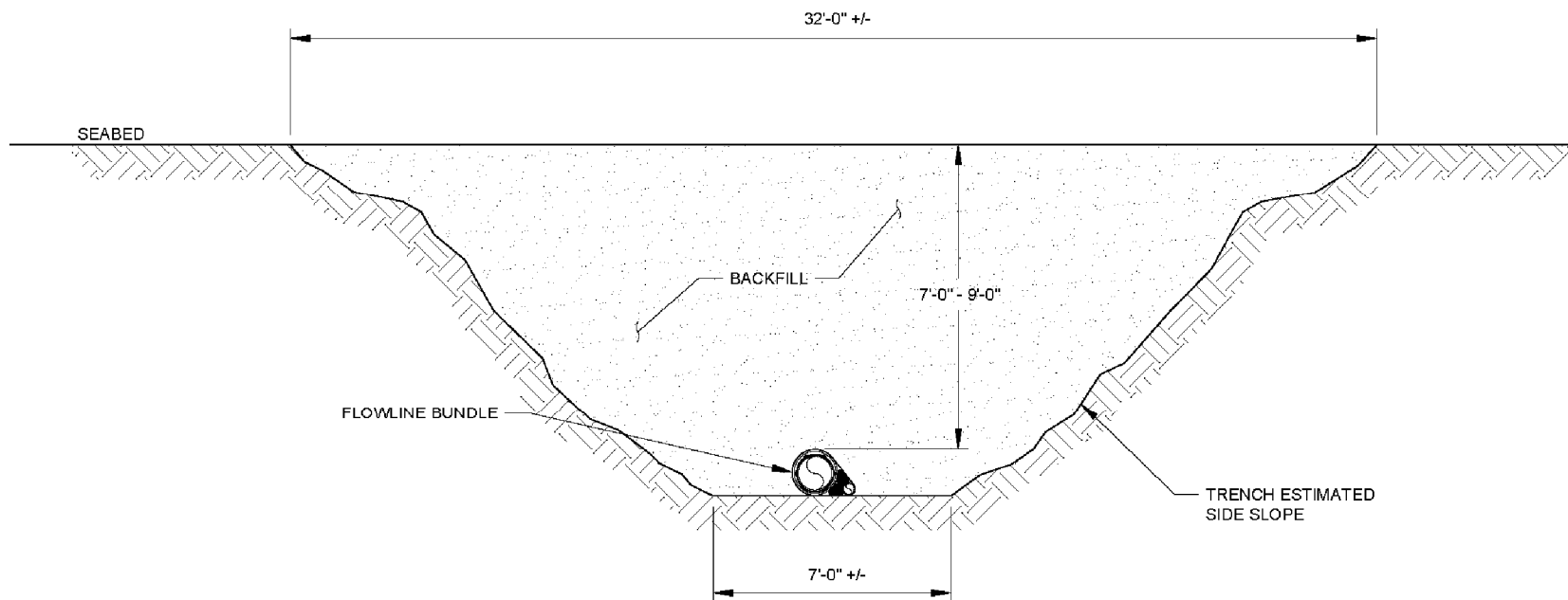


# ISLAND PROFILE



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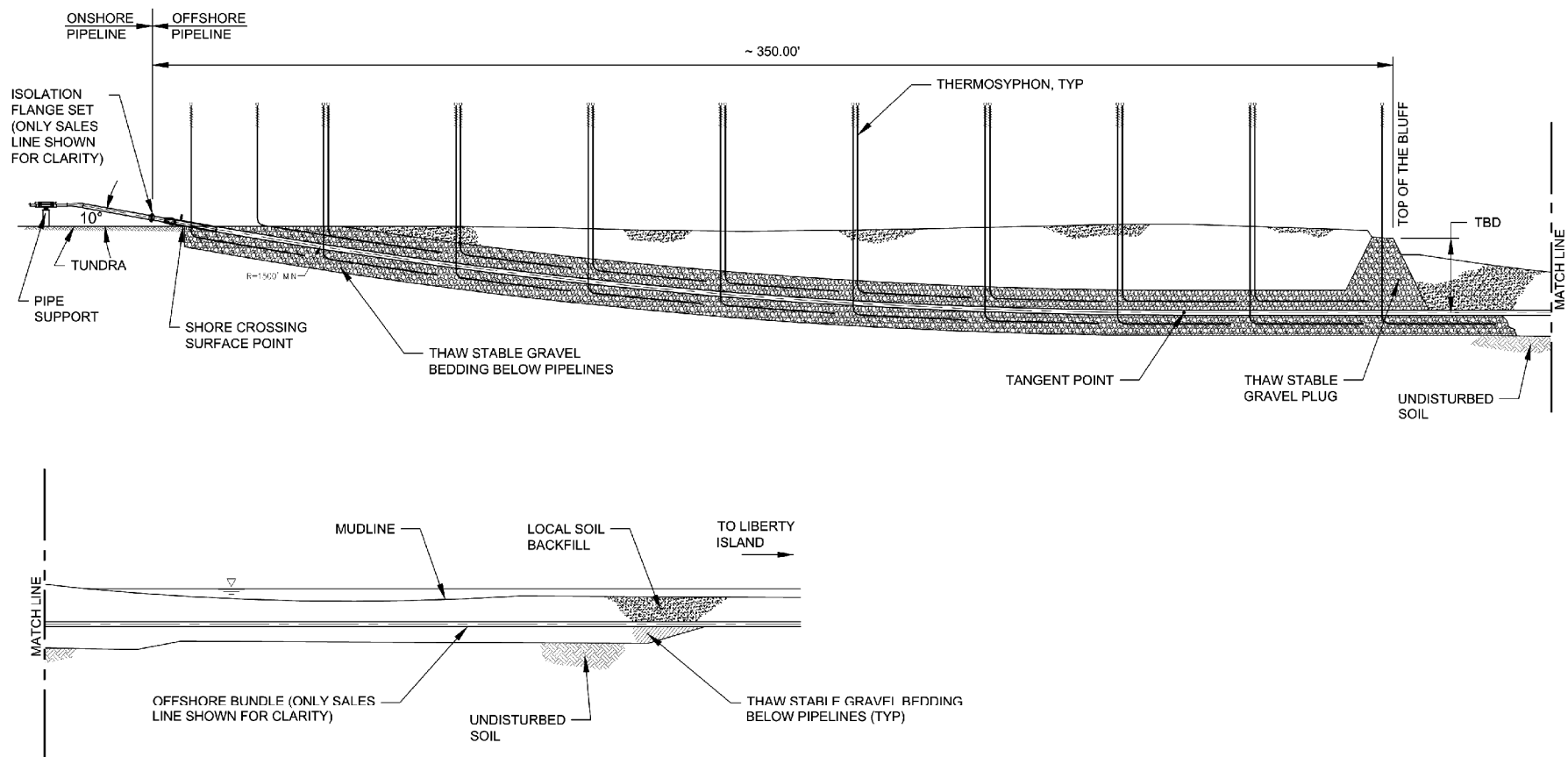
Applicant: Hilcorp Liberty Development  
 File Number: POA-2015-16  
 Waterway: Beaufort Sea  
 Proposed Activity: Oil & Gas Development  
 Cross Section Sheet 1 of 7  
 Date: 06/13/17



**TYPICAL TRENCH SECTION - OFFSHORE ZONE**  
NOT TO SCALE

**NOT TO SCALE**

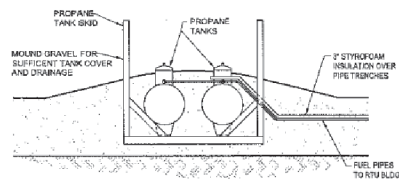
Applicant: Hilcorp Liberty Development  
File Number: POA-2015-16  
Waterway: Beaufort Sea  
Proposed Activity: Oil & Gas Development  
Cross Section Sheet 2 of 7  
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**SHORE TRANSITION DETAIL - CONCEPT**  
NOT TO SCALE

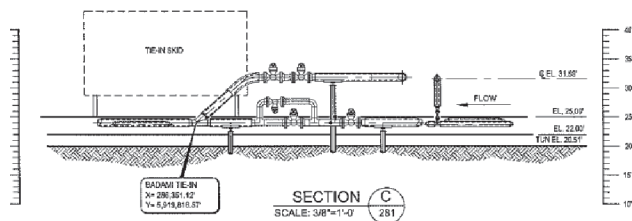
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Applicant: Hilcorp Liberty Development  
File Number: POA-2015-16  
Waterway: Beaufort Sea  
Proposed Activity: Oil & Gas Development  
Cross Section Sheet 3 of 7  
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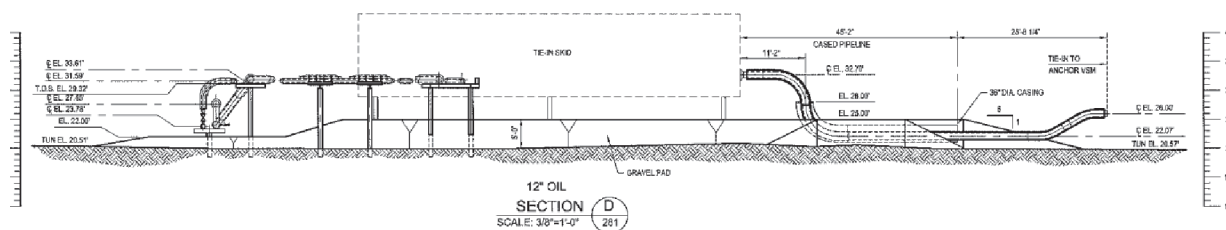


SECTION B  
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281

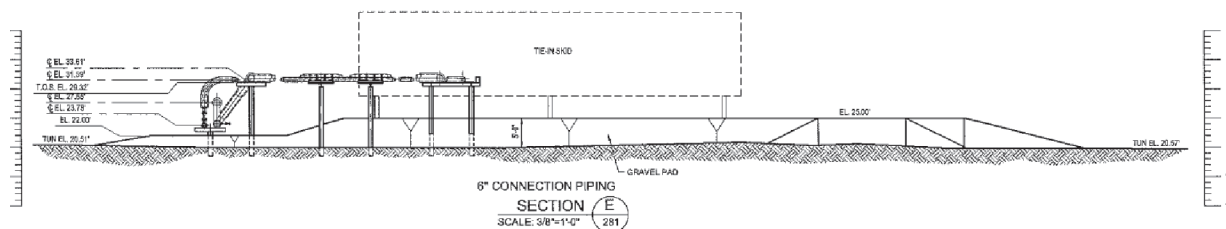
## BADAMI TIE IN PAD



SECTION C  
SCALE: 3/8\"/>



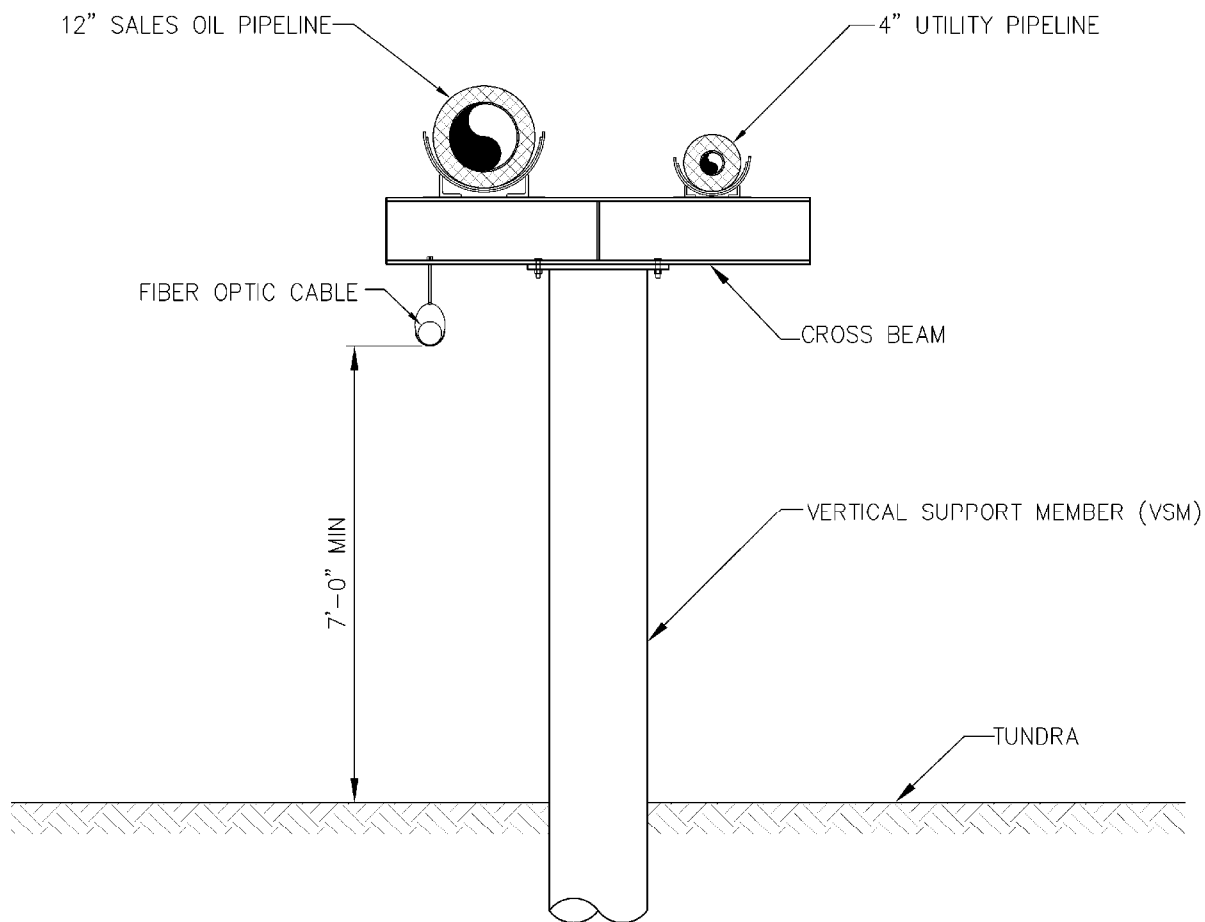
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6\"/>

NOT TO SCALE

Applicant: Hilcorp Liberty Development  
File Number: POA-2015-16  
Waterway: Beaufort Sea  
Proposed Activity: Oil & Gas Development  
Cross Section Sheet 4 of 7  
Date: 06/13/17



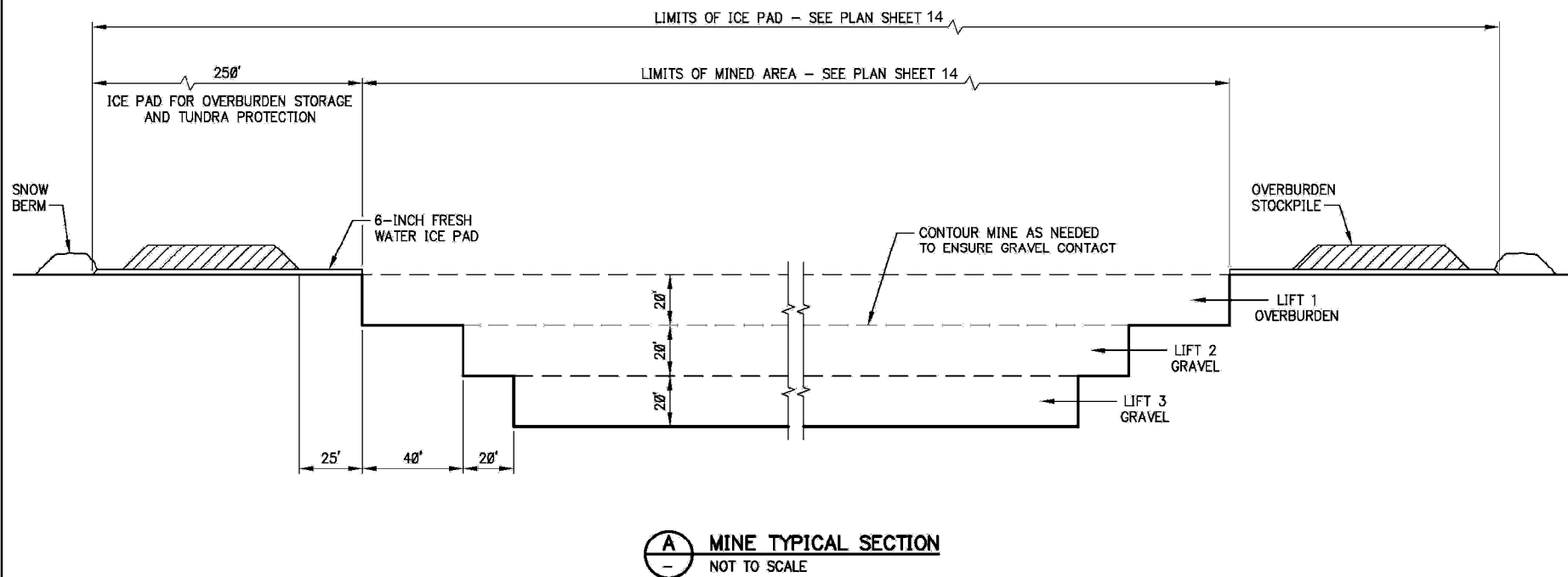
ABOVE GROUND PIPE ON VSM  
NOT TO SCALE

**NOT TO SCALE**

Applicant: Hilcorp Liberty Development  
File Number: POA-2015-16  
Waterway: Beaufort Sea  
Proposed Activity: Oil & Gas Development  
Cross Section Sheet 5 of 7  
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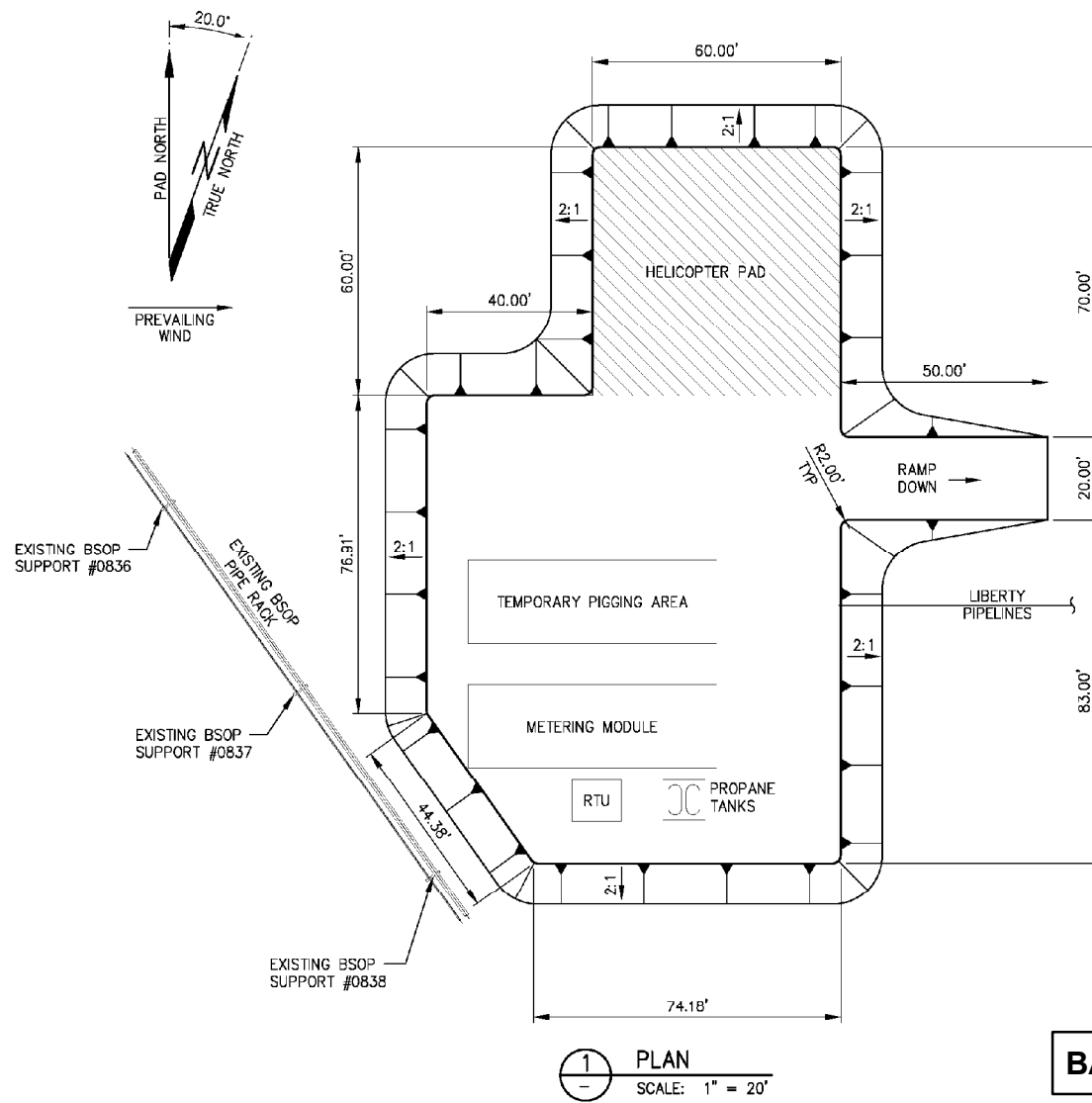






**NOT TO SCALE**

Applicant: Hilcorp Liberty Development  
 File Number: POA-2015-16  
 Waterway: Beaufort Sea  
 Proposed Activity: Oil & Gas Development  
 Cross Section Sheet 7 of 7  
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**NOT TO SCALE**

Applicant: Hilcorp Liberty Development  
 File Number: POA-2015-16  
 Waterway: Beaufort Sea  
 Proposed Activity: Oil & Gas Development  
 Plan View Sheet 1 of 1  
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