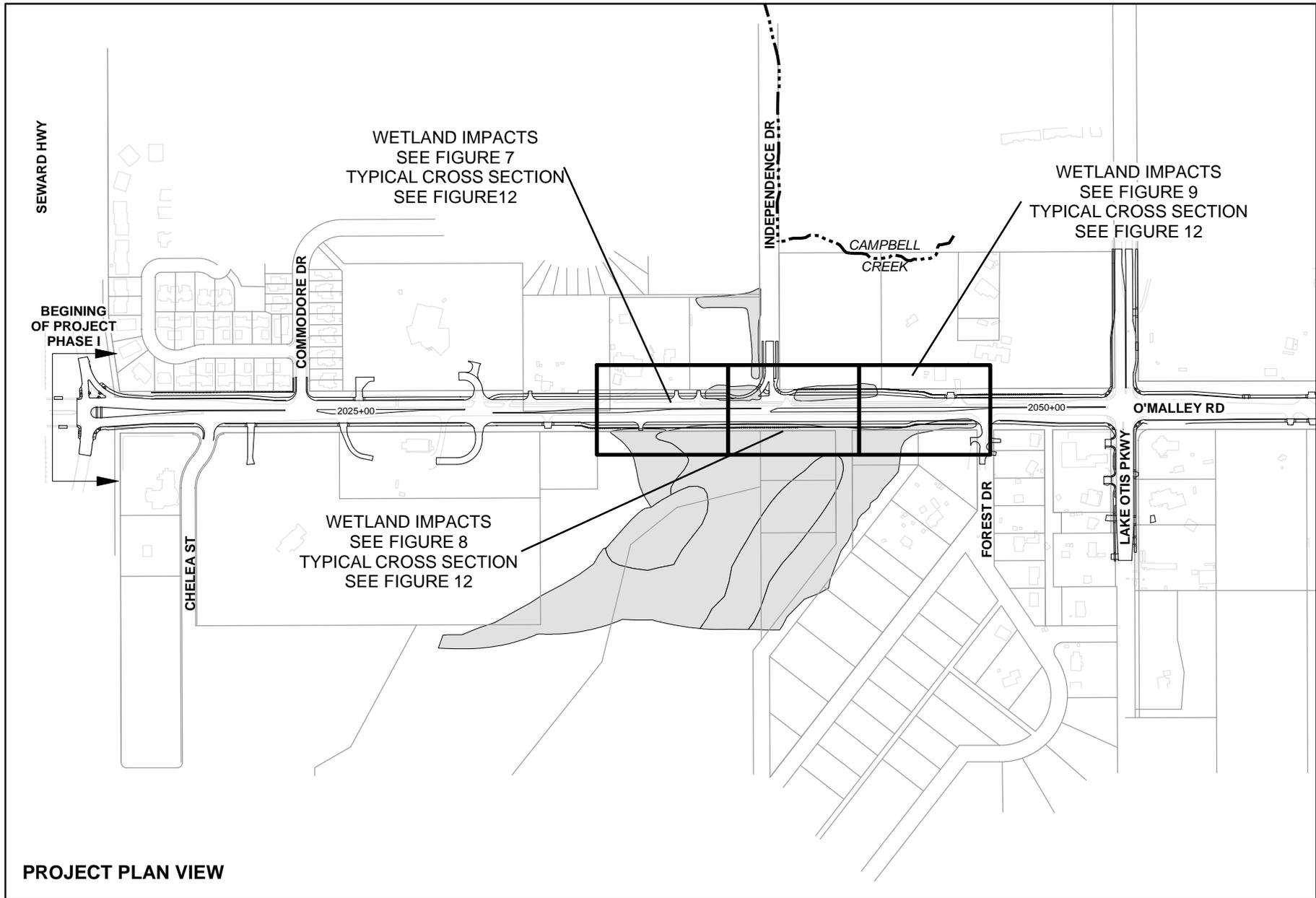


Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 1 of 19

Date: 4/12/2016

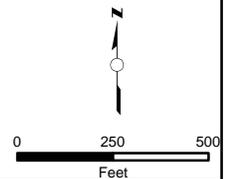


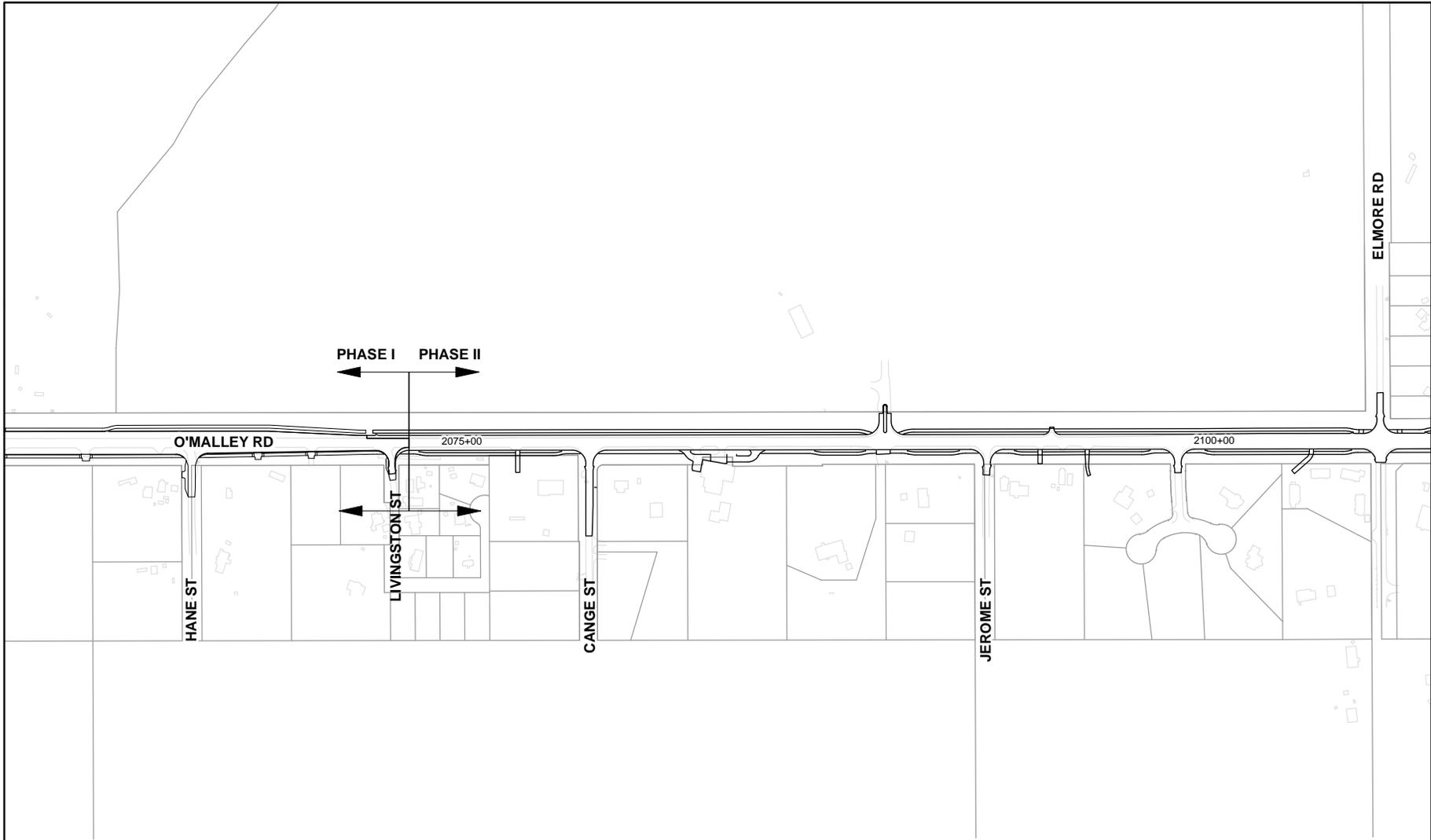
PROJECT PLAN VIEW

Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 2 of 19

Date: 4/12/2016

-  Stream
-  Proposed Project
-  Property Line
-  Wetland



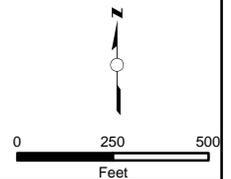


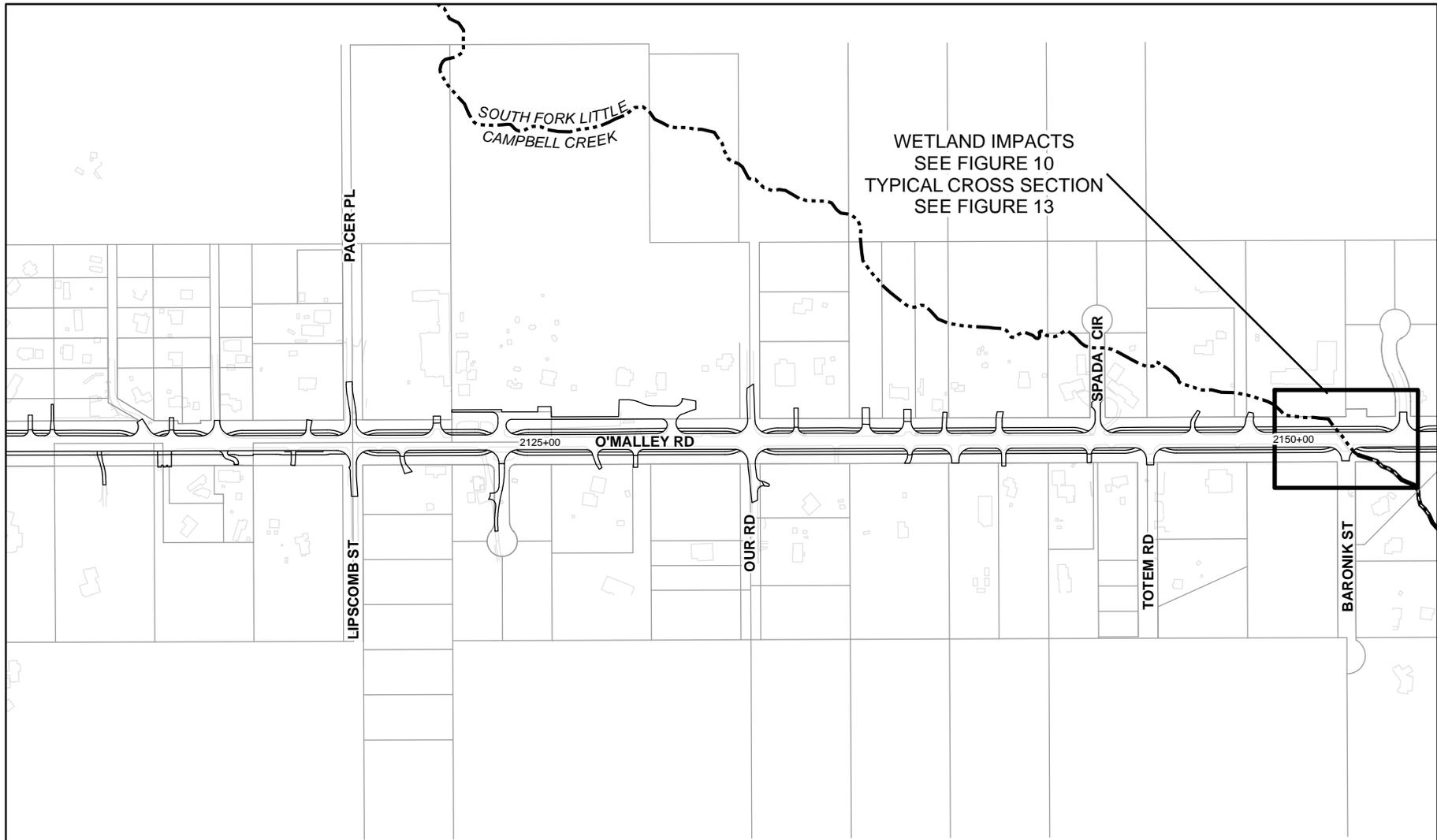
PROJECT PLAN VIEW

Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 3 of 19

Date: 4/12/2016

- Proposed Project
- Property Line



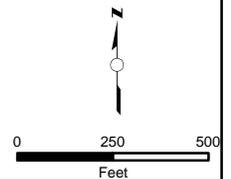


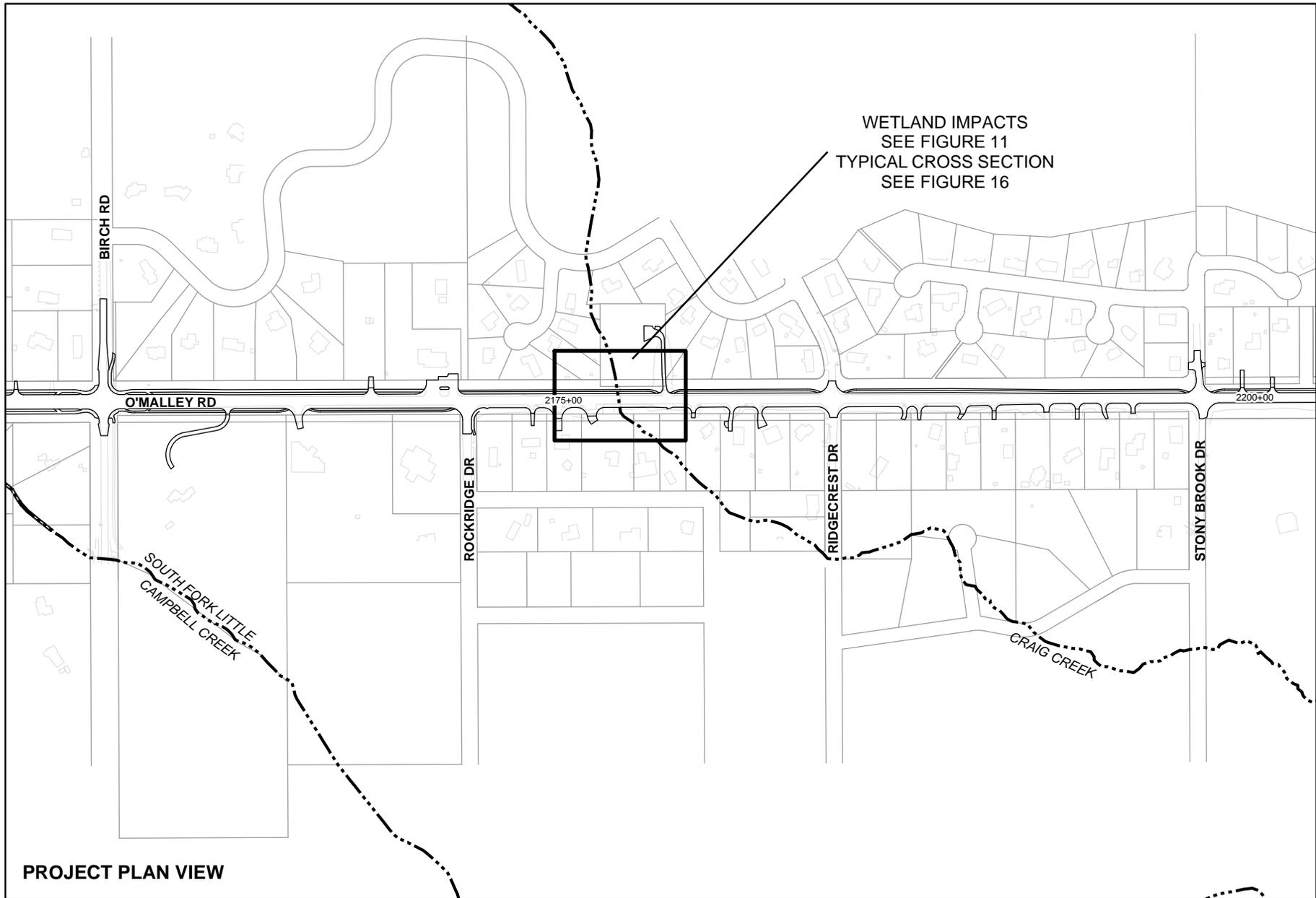
PROJECT PLAN VIEW

Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 4 of 19

Date: 4/12/2016

-  Stream
-  Proposed Project
-  Property Line
-  Wetland



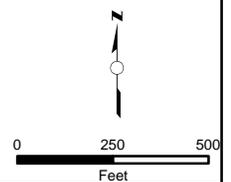


PROJECT PLAN VIEW

Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 5 of 19

Date: 4/12/2016

-  Stream
-  Proposed Project
-  Property Line
-  Wetland

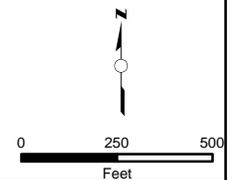


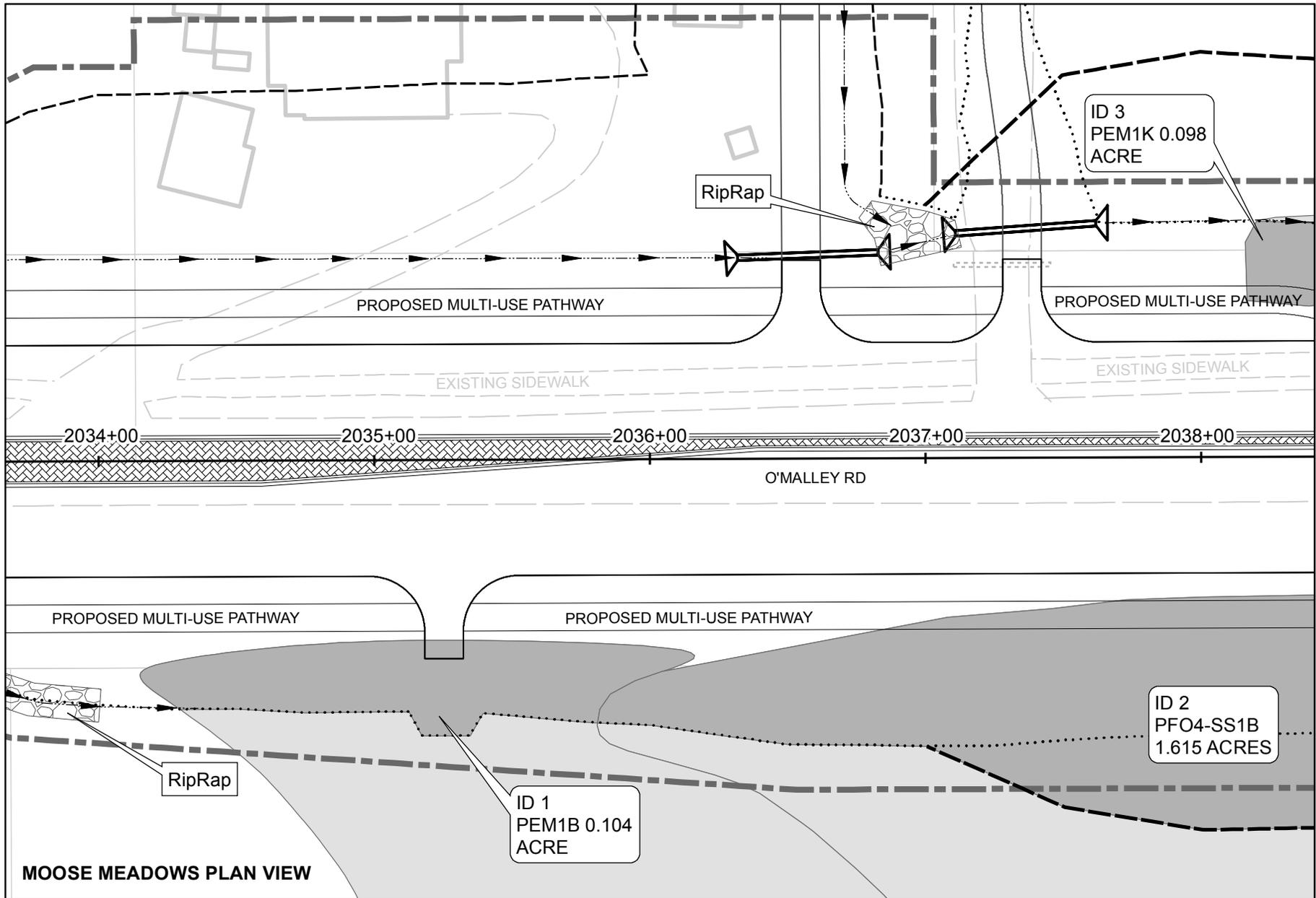


Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 6 of 19

Date: 4/12/2016

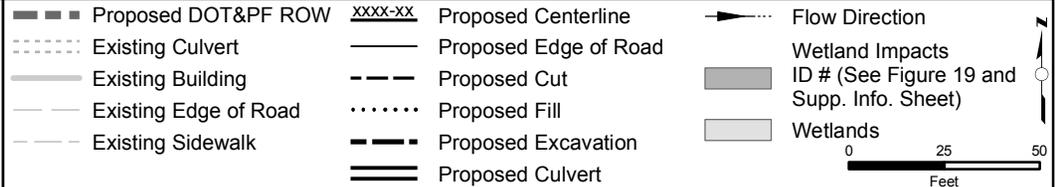
- · · · Stream
- Proposed Project
- Property Line

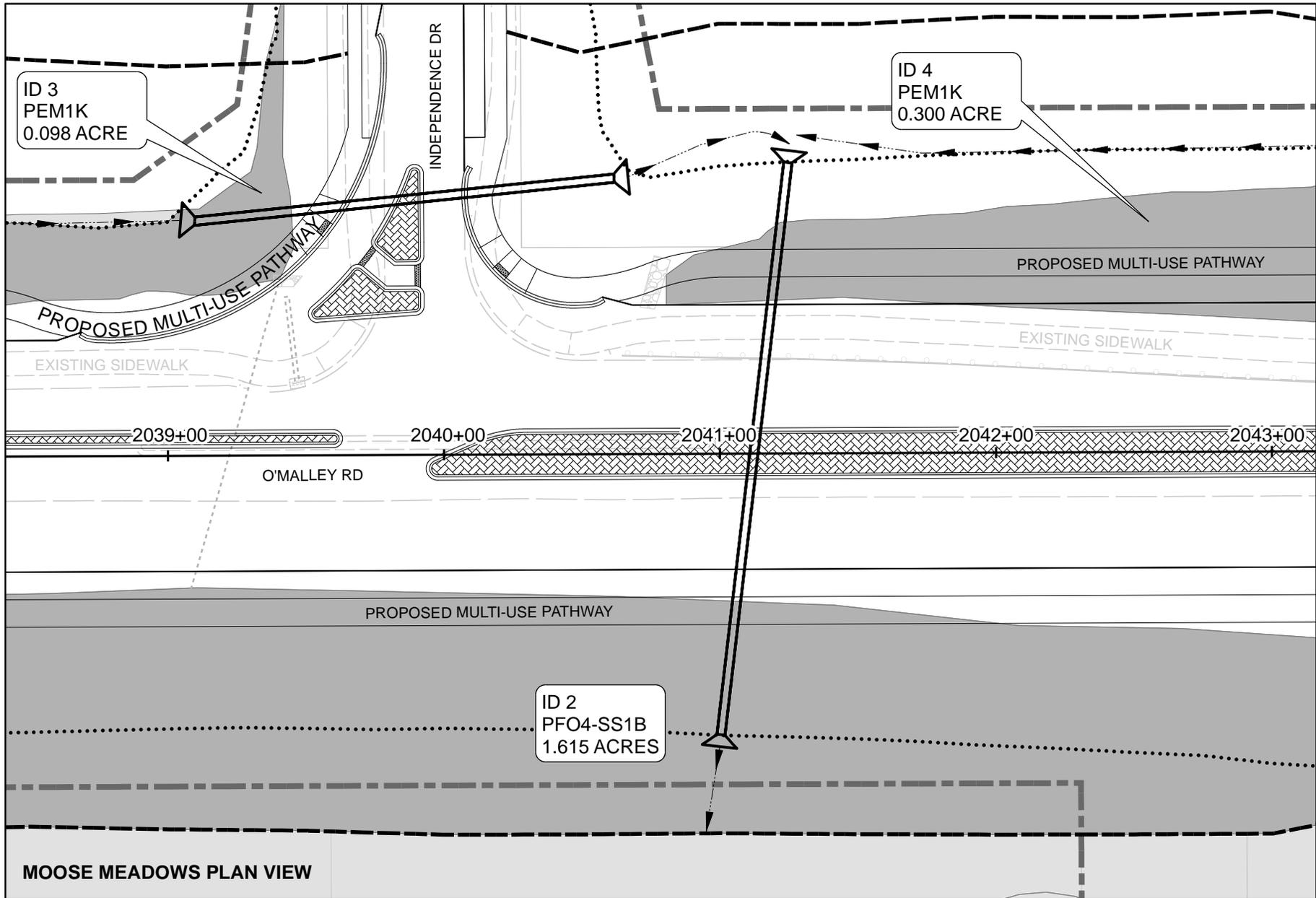




Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 7 of 19

Date: 4/12/2016





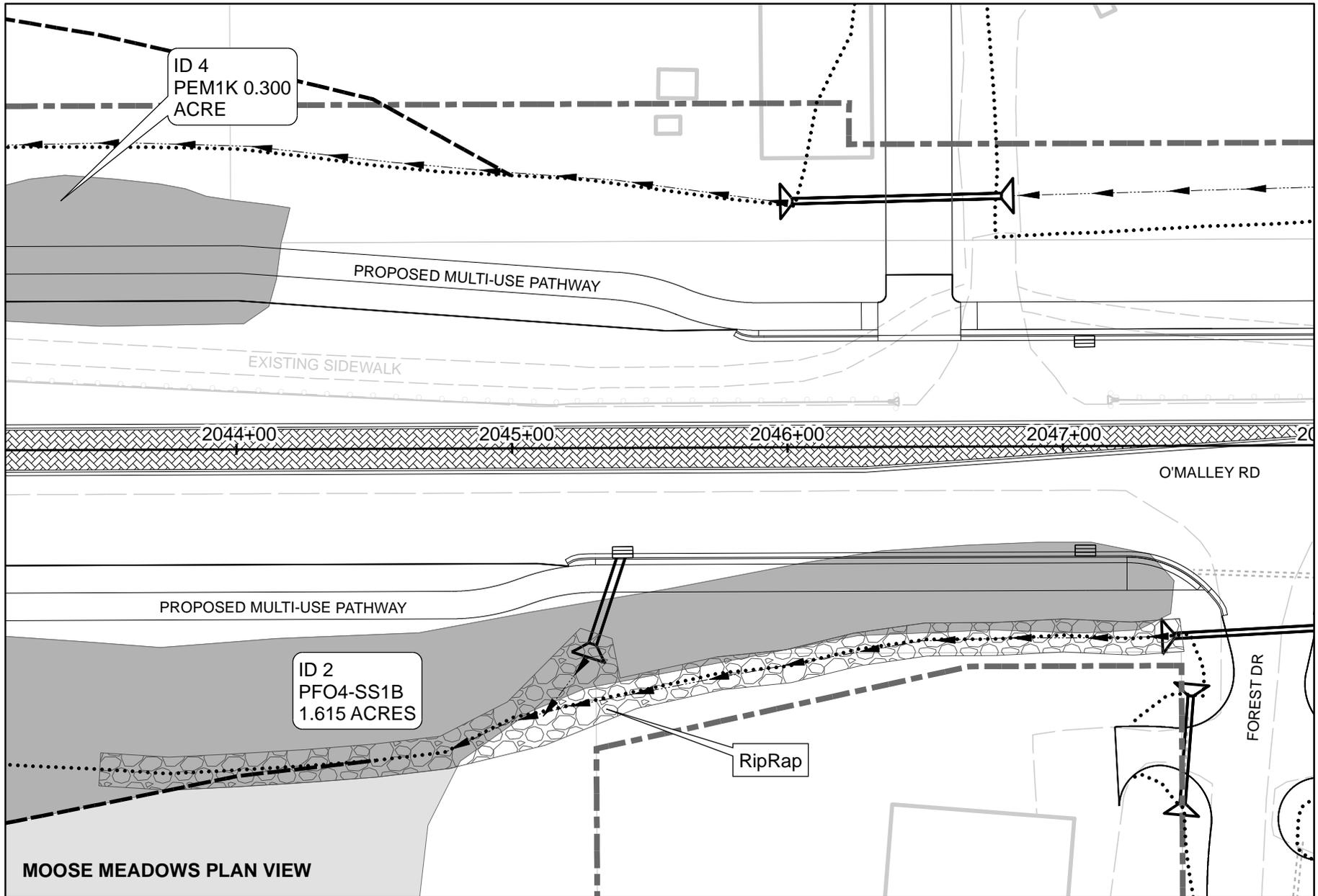
Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 8 of 19

Date: 4/12/2016

- | | | | |
|-----------|-----------------------|-----------|-----------------------|
| — — — — — | Proposed DOT&PF ROW | xxxx-xx | Proposed Centerline |
| ⋯⋯⋯ | Existing Culvert | ——— | Proposed Edge of Road |
| — — — — — | Existing Edge of Road | ⋯⋯⋯ | Proposed Fill |
| — — — — — | Existing Guardrail | — — — — — | Proposed Excavation |
| — — — — — | Existing Riprap | ===== | Proposed Culvert |
| — — — — — | Existing Sidewalk | | |

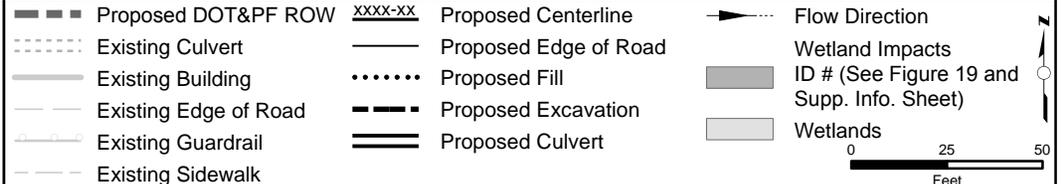
- | | |
|---|--|
| → | Flow Direction |
| ■ | Wetland Impacts |
| ■ | ID # (See Figure 19 and Supp. Info. Sheet) |
| ■ | Wetlands |

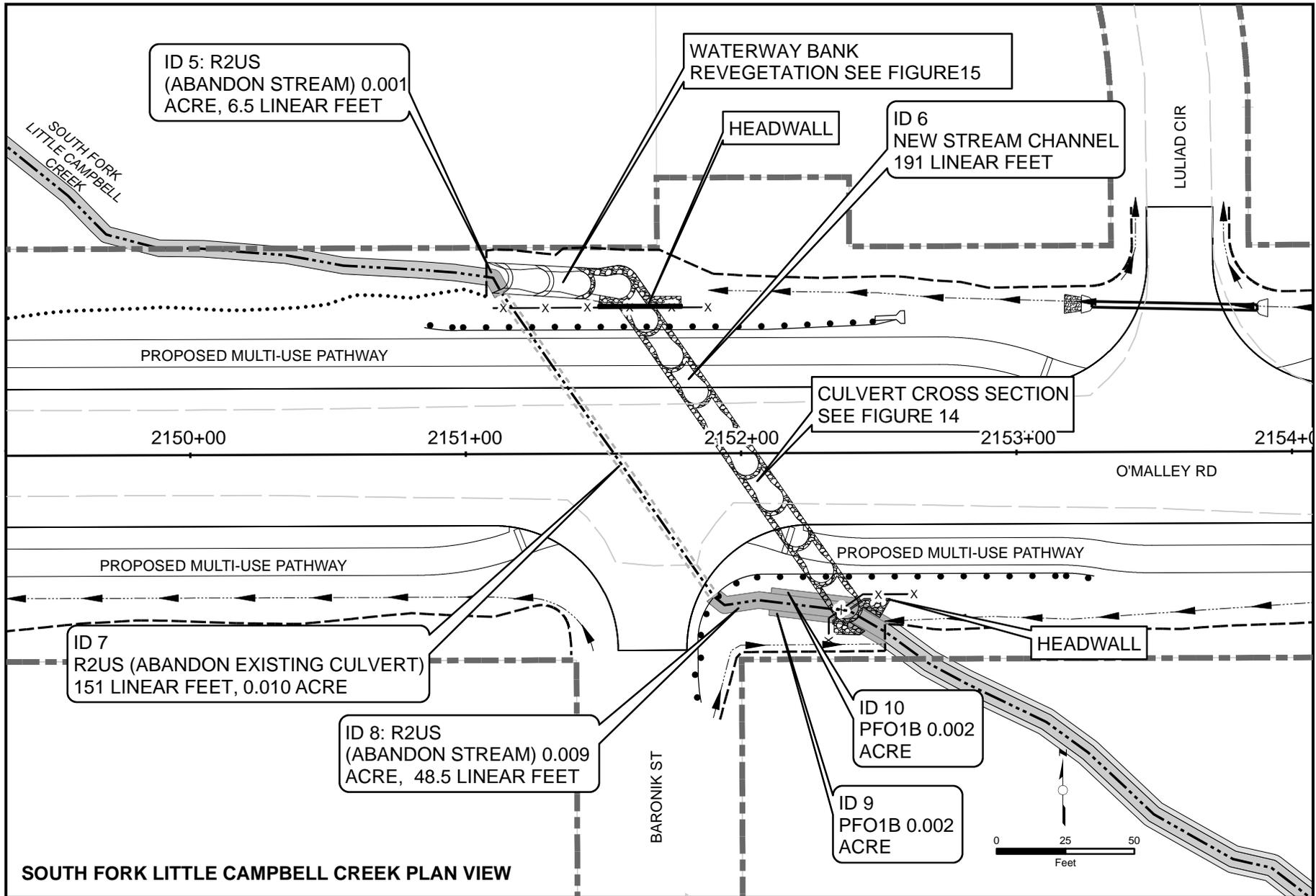




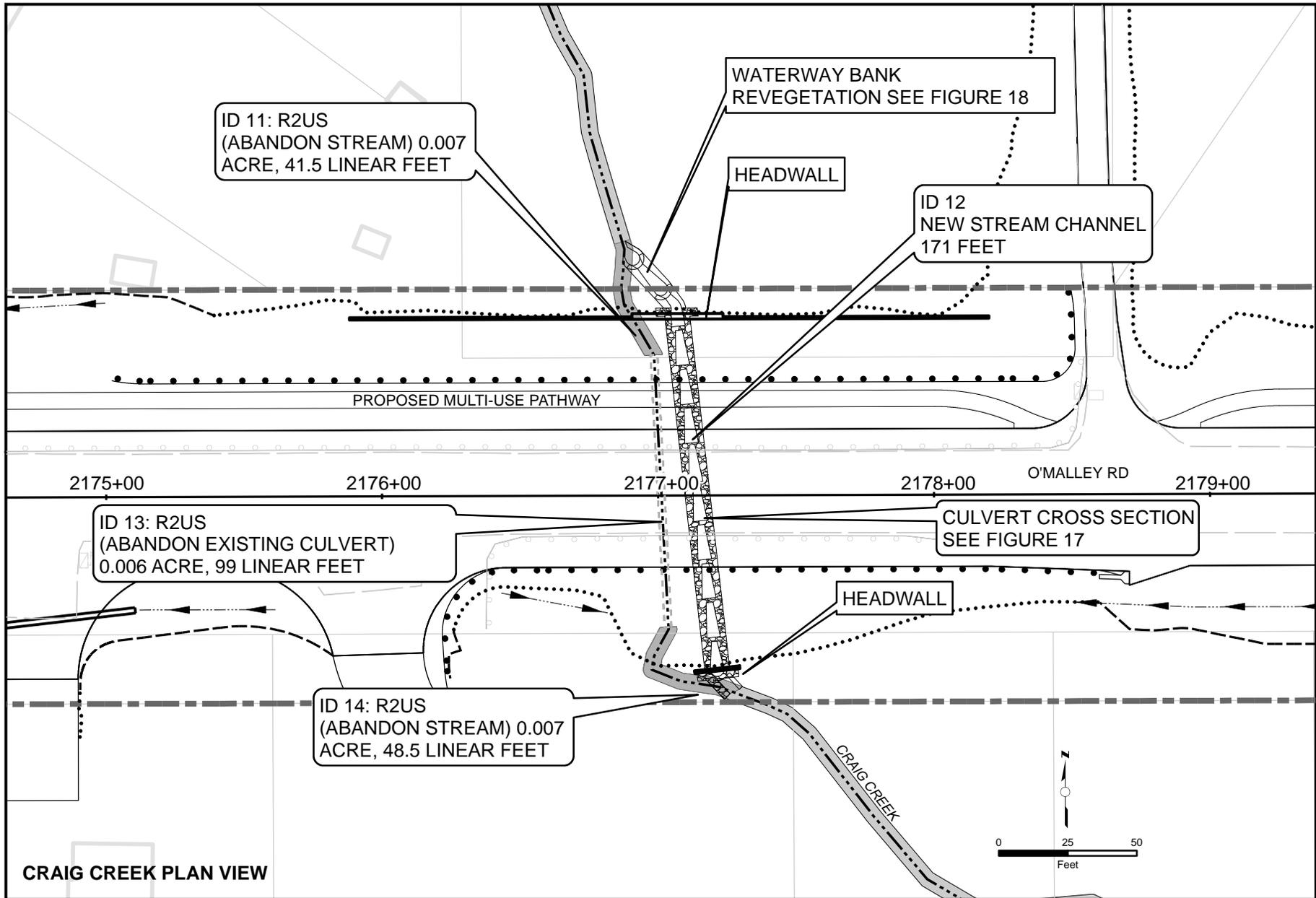
Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 9 of 19

Date: 4/12/2016





| | | | |
|--|------------------------|--|--|
| <p>Applicant: State of Alaska, Department of Transportation & Public Facilities File No.: POA-XXXX-XXXX Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows Proposed Activity: Linear Transportation Project Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian Lat.: 61.123036° N Long.: 149.7955° W Figure: 10 of 19</p> | <p>Date: 4/12/2016</p> | <p> Proposed DOT&PF ROW Existing Culvert Existing Edge of Road Existing Guardrail Stream Proposed Guardrail Proposed Centerline Proposed Edge of Road Proposed Fence Proposed Cut Proposed Fill Proposed Culvert </p> | <p> Flow Direction Wetland Impacts ID # (See Figure 19 and Supp. Info. Sheet) Water Wetlands </p> |
|--|------------------------|--|--|

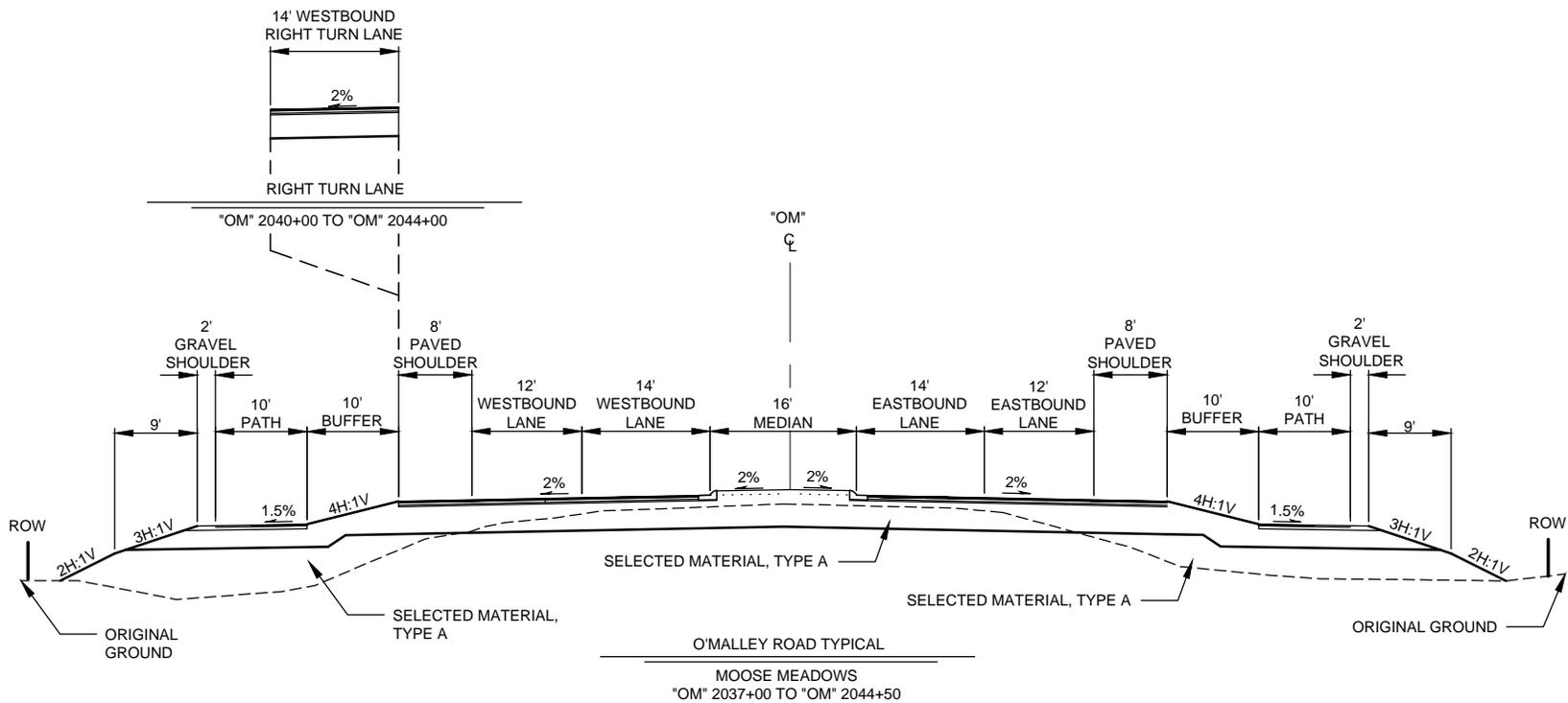


CRAIG CREEK PLAN VIEW

Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 11 of 19

Date: 4/12/2016

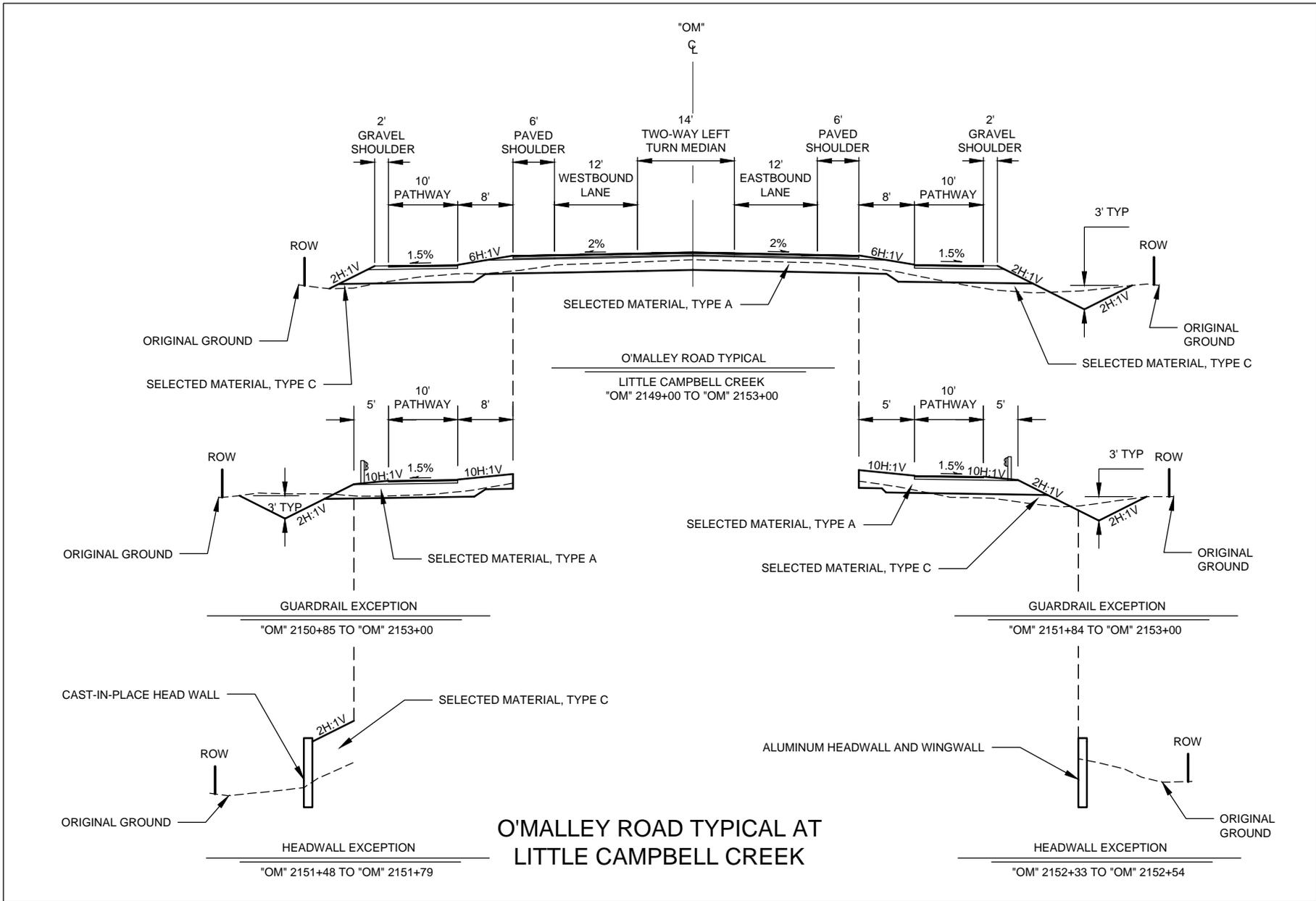
| | | | | | |
|-----------|-----------------------|-----------|-----------------------|-----|--|
| — — — — — | Proposed DOT&PF ROW | xxxx-xx | Proposed Centerline | —▶— | Flow Direction |
| - - - - - | Existing Culvert | — — — — — | Proposed Edge of Road | ■ | Waterway Impacts |
| — — — — — | Existing Edge of Road | -x-x | Proposed Fence | ■ | ID # (See Figure 19 and Supp. Info. Sheet) |
| — — — — — | Existing Guardrail | - - - - - | Proposed Cut | ■ | Water |
| — — — — — | Stream | ••••• | Proposed Fill | | |
| — — — — — | Proposed Guardrail | — — — — — | Proposed Culvert | | |



O'MALLEY ROAD TYPICAL AT MOOSE MEADOWS

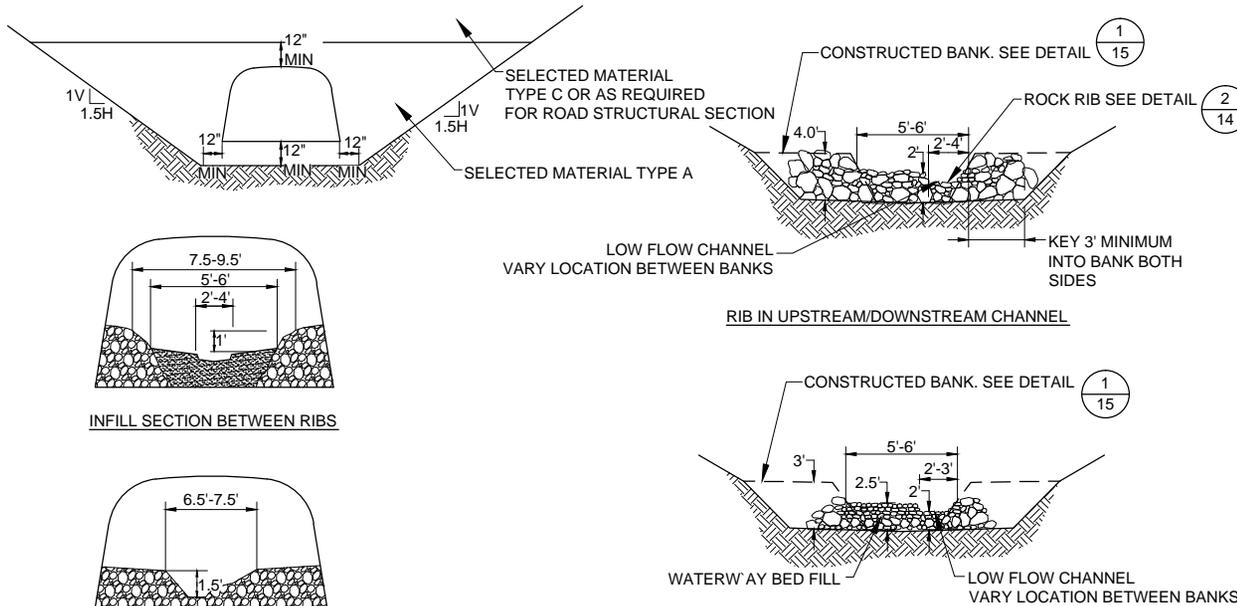
Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 12 of 19

Date: 3/18/2016



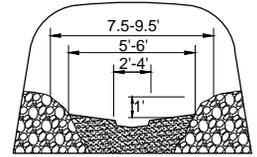
Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 13 of 19

Date: 3/18/2016

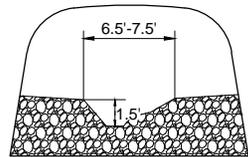


STREAMBED NOTES:

1. SALVAGE EXISTING STREAMBED MATERIAL EXCAVATED DURING CONSTRUCTION. MIX EXCAVATED MATERIAL WITH SPECIFIED WATERWAY BED FILL UPON ENGINEER APPROVAL.
2. BANK STABILIZATION ROCKS, ROCK RIBS AND FOOTER ROCKS TO BE CONSTRUCTED OF CLASS II RIPRAP. FILL VOIDS WITH FINER MATERIAL.
3. SELECT THE LARGER FRACTION (>18" DIAMETER) OF CLASS I RIPRAP FOR KEY PIECES (FOOTER ROCKS AND BANK STABILIZATION ROCKS). USE SMALLER FRACTION (<18" DIAMETER) FOR TOP OF RIBS.
4. CONSTRUCT STREAMBED AND BANKS LEAVING A NON-UNIFORM ROUGH SURFACE. VARY LOCATION OF LOW FLOW CHANNEL BETWEEN BANKS AND AT ROCK RIBS.
5. ENGINEER TO APPROVE OF WATERWAY BED FILL BEFORE PLACING MATERIAL IN CULVERT OR RECONSTRUCTED STREAM CHANNEL. NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF PLACING CULVERT INFILL MATERIAL.
6. CONSTRUCTED CHANNEL BED TO HAVE A MINIMUM THICKNESS OF 2'. USE ONLY DEPTH OF MATERIAL NECESSARY WHEN PLACING WATERWAY BED FILL MATERIAL ON INSITU NATIVE BED MATERIAL TO BRING CHANNEL UP TO GRADE.

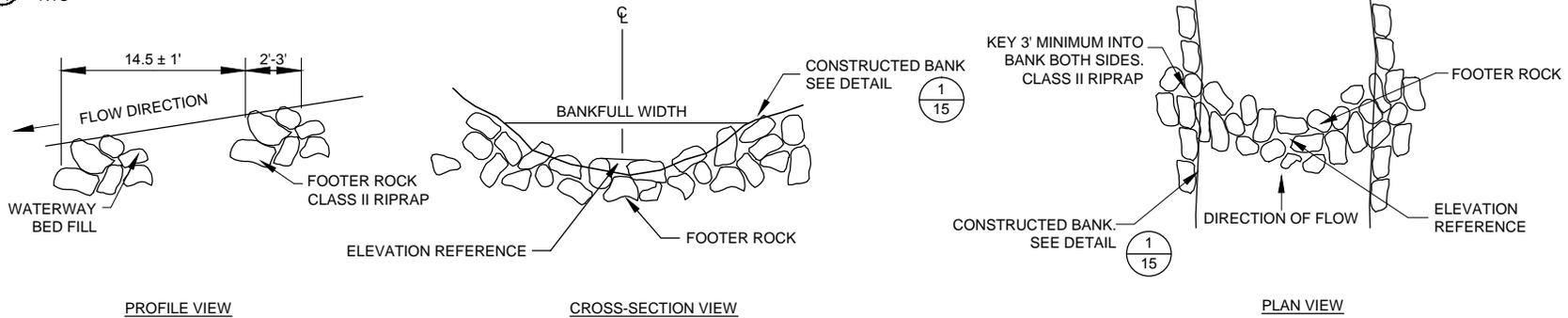


INFILL SECTION BETWEEN RIBS



INFILL SECTION AT RIBS

1/14 TYPICAL CULVERT CROSS SECTION AT SOUTH FORK LITTLE CAMPBELL CREEK NTS



PROFILE VIEW

CROSS-SECTION VIEW

PLAN VIEW

2/14 ROCK RIB DETAIL NTS

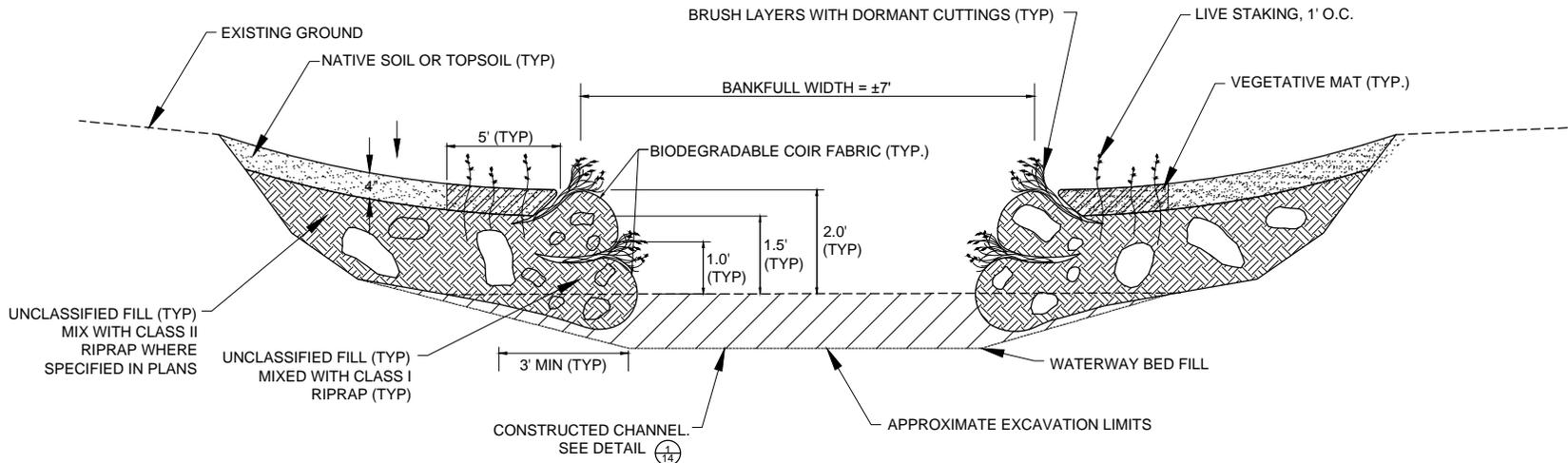
SOUTH FORK LITTLE CAMPBELL CREEK TYPICAL DETAIL

Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 14 of 19

Date: 3/18/2016

BANK CONSTRUCTION NOTES:

1. VEGETATIVE MAT SHALL BE AT MINIMUM OF 6" THICK AND SHALL BE SALVAGED FROM THE AREA OF DISTURBANCE OR LOCAL AREA.
2. FOR LIVE STAKING, REFER TO PAGES 34-36 OF ADF&G'S 2005 STREAMBANK REVEGETATION AND PROTECTION GUIDE.
3. FOR BRUSH LAYERING, REFER TO PAGES 44-53 OF ADF&G'S 2005 STREAMBANK REVEGETATION AND PROTECTION GUIDE.
4. FOR VEGETATIVE MAT, REFER TO PAGES 19-20 OF ADF&G'S 2005 STREAMBANK REVEGETATION AND PROTECTION GUIDE.

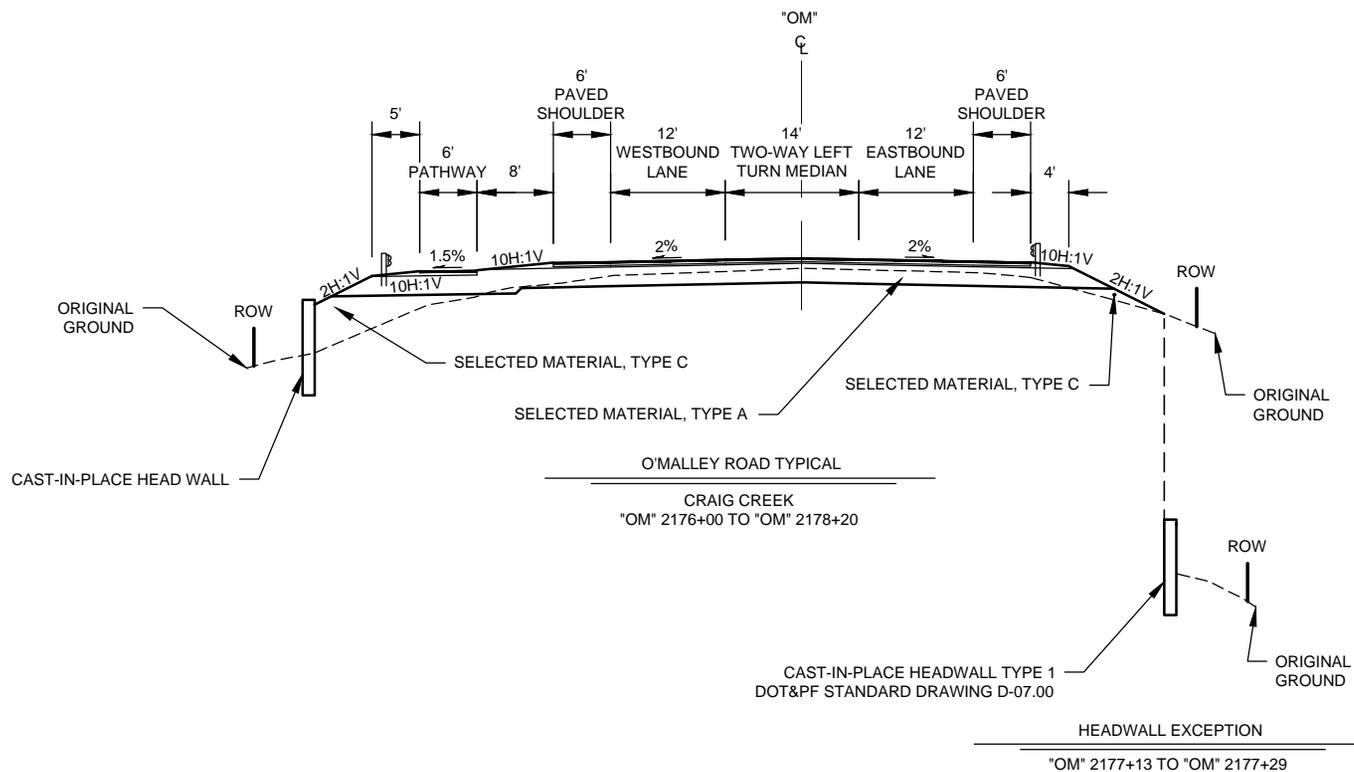


1
15 WATERWAY BANK REVEGETATION AND PROTECTION AT SOUTH FORK LITTLE CAMPBELL CREEK

SOUTH FORK LITTLE CAMPBELL CREEK TYPICAL DETAIL

Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
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 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 15 of 19

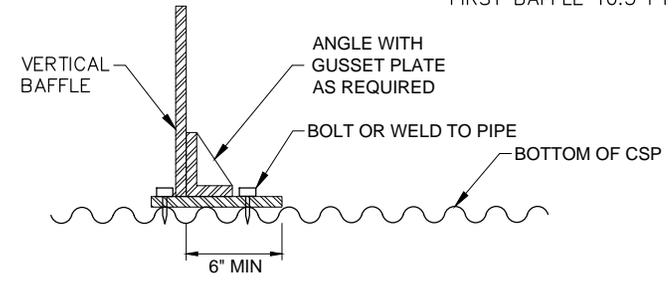
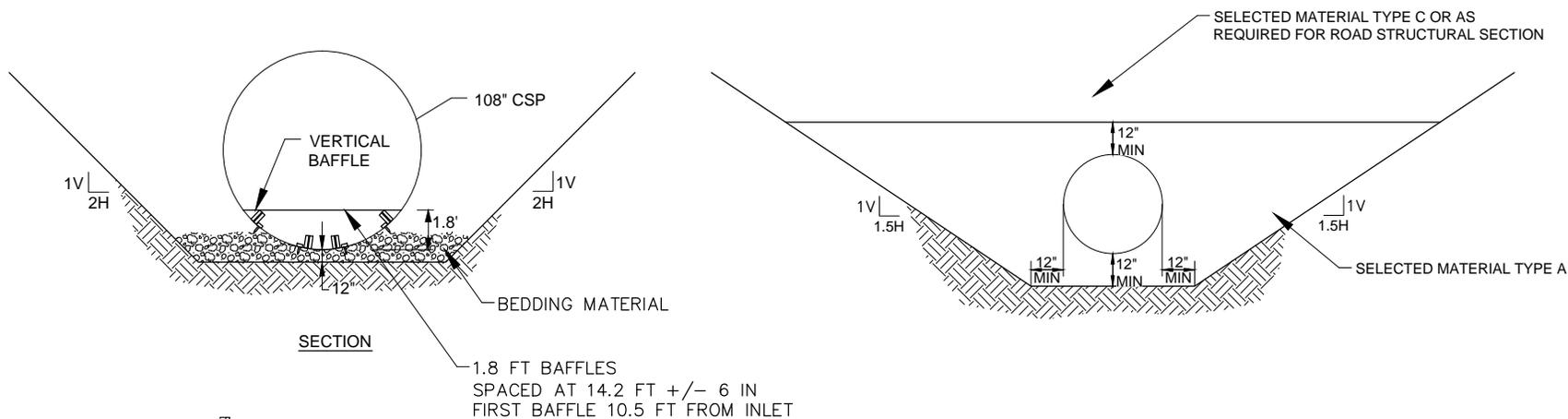
Date: 3/18/2016



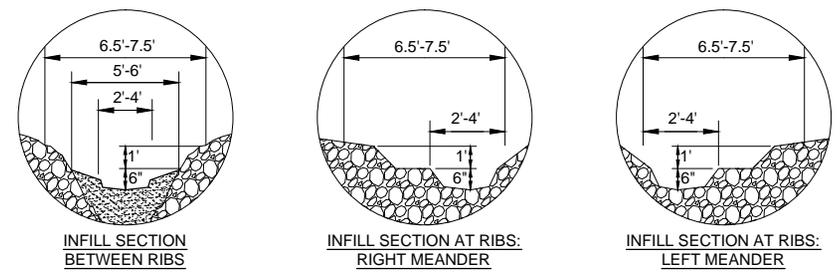
O'MALLEY ROAD TYPICAL AT CRAIG CREEK

Applicant: State of Alaska, Department of Transportation & Public Facilities
 File No.: POA-XXXX-XXXX
 Waterway: Craig Creek, S. Fork Little Campbell Creek and Moose Meadows
 Proposed Activity: Linear Transportation Project
 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 16 of 19

Date: 3/18/2016



- NOTES:**
- PROFILE**
1. PLATE TO BE AT LEAST 3/8" THICK STEEL CONFORMING TO ASTM A36.
 2. BAFFLE SHALL BE FLANGE CONNECTED TO CULVERT BY 1/2-INCH BOLTS SPACED 6" OR WELDED TO CULVERT



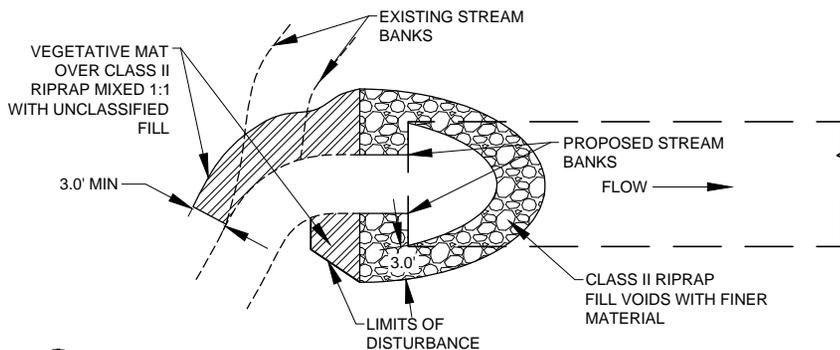
1
17 BAFFLE DETAIL
NTS

2
17 TYPICAL CULVERT CROSS SECTION AT CRAIG CREEK
NTS

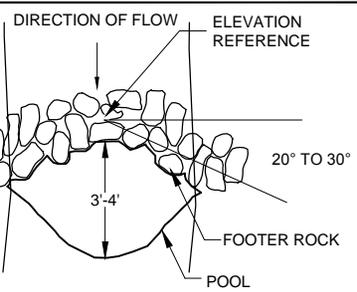
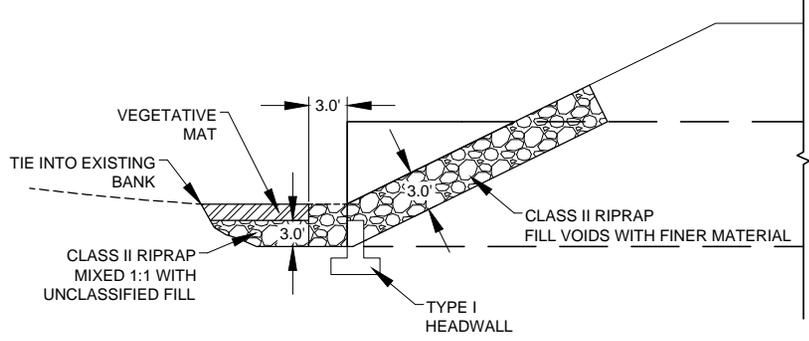
CRAIG CREEK TYPICAL DETAIL

Applicant: State of Alaska, Department of Transportation & Public Facilities
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 Sec. 14-17 and 20-23 T. 12 N R. 3 W Seward Meridian
 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 17 of 19

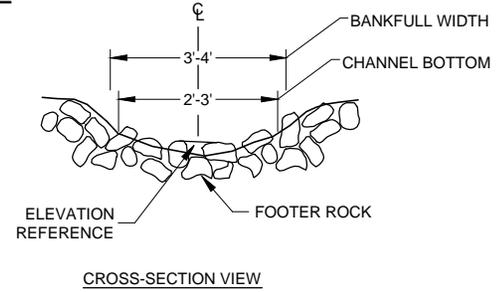
Date: 3/18/2016



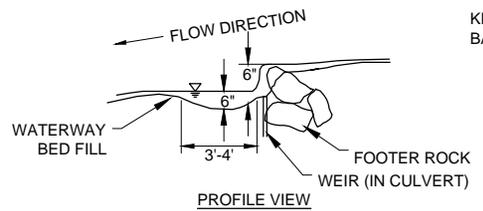
1
18 RIPRAP END PROTECTION DETAIL



PLAN VIEW

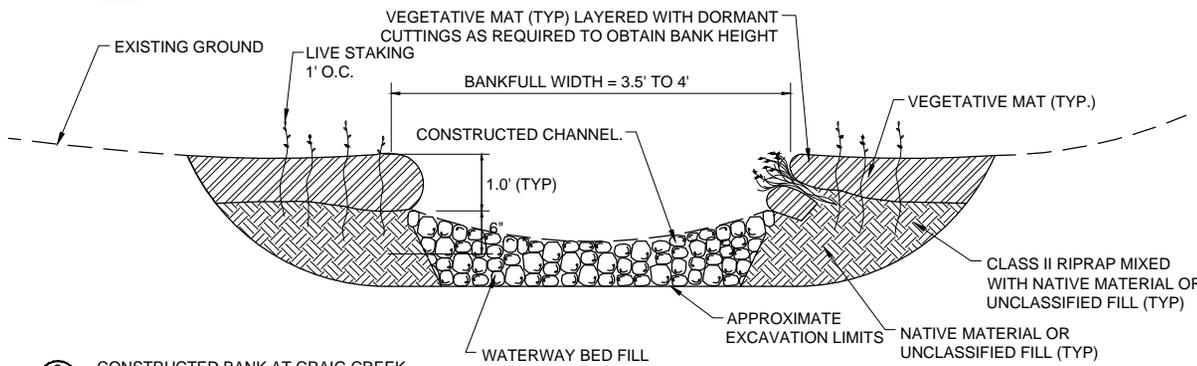


CROSS-SECTION VIEW



PROFILE VIEW

2
18 ROCK STEP DETAIL
NOTE: LOCATION OF LOW POINT IN STEP MAY VARY UP TO 2' FROM CULVERT CENTERLINE.



3
18 CONSTRUCTED BANK AT CRAIG CREEK

CRAIG CREEK TYPICAL DETAIL

NOTES:

1. SALVAGED VEGETATIVE MAT MUST HAVE A MINIMUM THICKNESS OF 6" AND BE SOURCED FROM THE DISTURBANCE AREA OR THE LOCAL AREA.
2. CONSTRUCTED CHANNEL BED TO HAVE MINIMUM THICKNESS OF 2'. USE ONLY DEPTH OF MATERIAL NECESSARY WHEN PLACING INFILL MATERIAL ON INSITU NATIVE BED MATERIAL TO BRING CHANNEL UP TO GRADE.
3. FOR LIVE STAKING, REFER TO PAGES 34-36 OF ADFG'S 2005 STREAMBANK REVEGETATION AND PROTECTION GUIDE.

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 File No.: POA-XXXX-XXXX
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 Lat.: 61.123036° N Long.: 149.7955° W
 Figure: 18 of 19

Date: 3/18/2016

Summary Table of Impacts to waters of the U.S.

| Polygon ID | Station | Offset | Linear Feet | Acres | Excavation (cubic yards) | Fill (cubic yards) | Fill Type | Cowardin | Figure # | Note |
|------------|---------|--------|-------------|-------|--------------------------|--------------------|-----------|-----------|----------|--------------------------------|
| 1 | 2035+25 | South | | 0.104 | - | 1,700 | A/C | PEM1B | 7 | |
| 2 | 2040+00 | South | | 1.615 | 32,100 | 60,160 | A/C | PFO4-SS1B | 7,8,9 | |
| 3 | 2038+75 | North | | 0.098 | 4,800 | 7,070 | A/C | PEM1K | 7,8 | |
| 4 | 2042+50 | North | | 0.300 | 12,520 | 21,730 | A/C | PEM1K | 8,9 | |
| 5 | 2151+00 | North | 6.5 | 0.001 | | 9 | | R2US | 10 | Abandon stream |
| 6 | 2152+00 | N/A | | | | | | | 10 | 191 feet of new stream channel |
| 7 | 2151+50 | N/A | 151.0 | 0.010 | | 35 | | R2US | 10 | Abandon existing culvert |
| 8 | 2152+00 | South | 48.5 | 0.009 | | 80 | | R2US | 10 | Abandon stream |
| 9 | 2152+10 | South | | 0.002 | | 12 | | PFO1B | 10 | |
| 10 | 2152+10 | South | | 0.002 | | 15 | | PFO1B | 10 | |
| 11 | 2177+00 | North | 41.5 | 0.007 | | 68 | | R2US | 11 | Abandon stream |
| 12 | 2177+10 | N/A | | | | | | | 11 | 171 feet of new stream channel |
| 13 | 2177+00 | N/A | 99.0 | 0.006 | | 26 | | R2US | 11 | Abandon existing culvert |
| 14 | 2177+00 | South | 48.5 | 0.007 | | 424 | | R2US | 11 | Abandon stream |

Figure 19