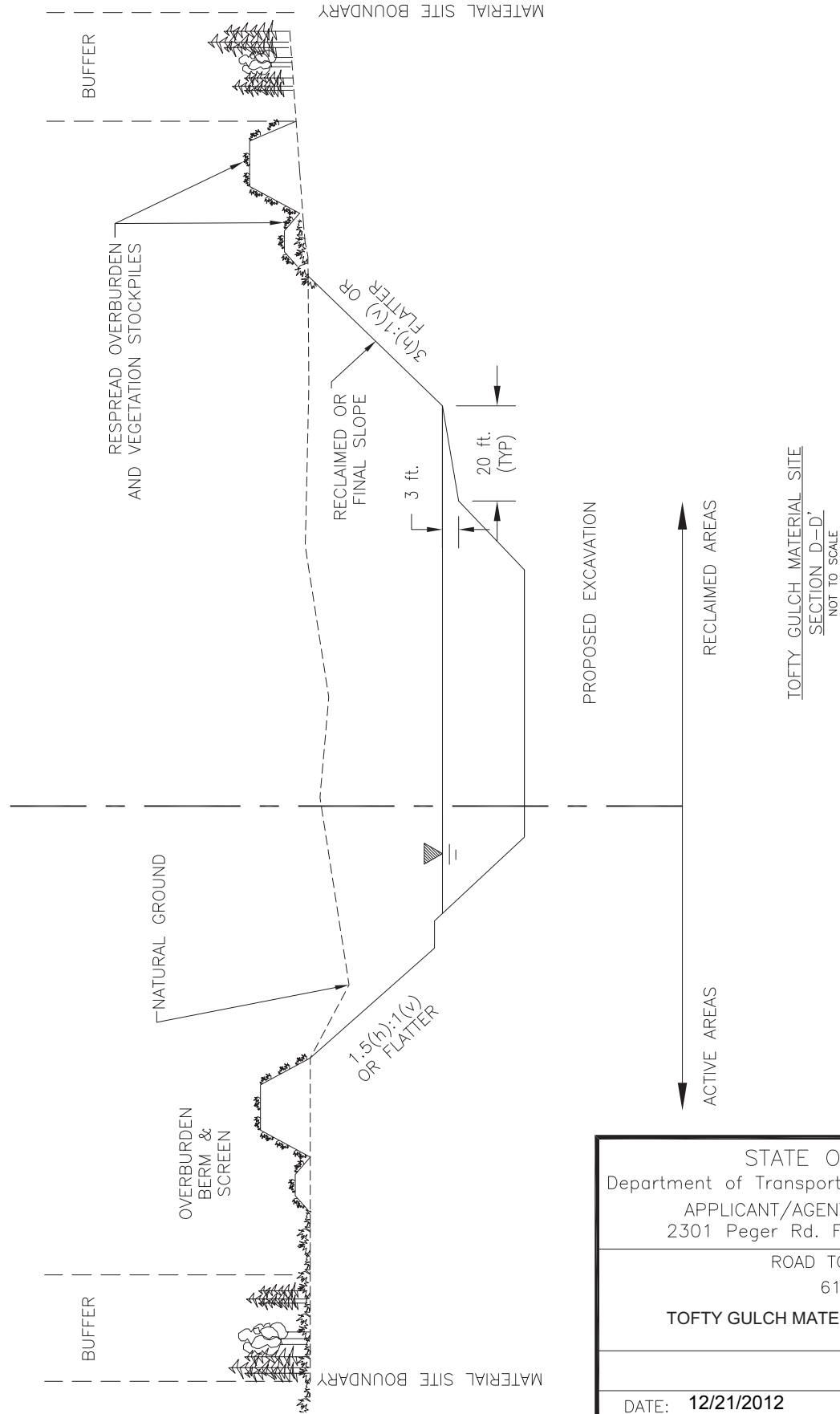


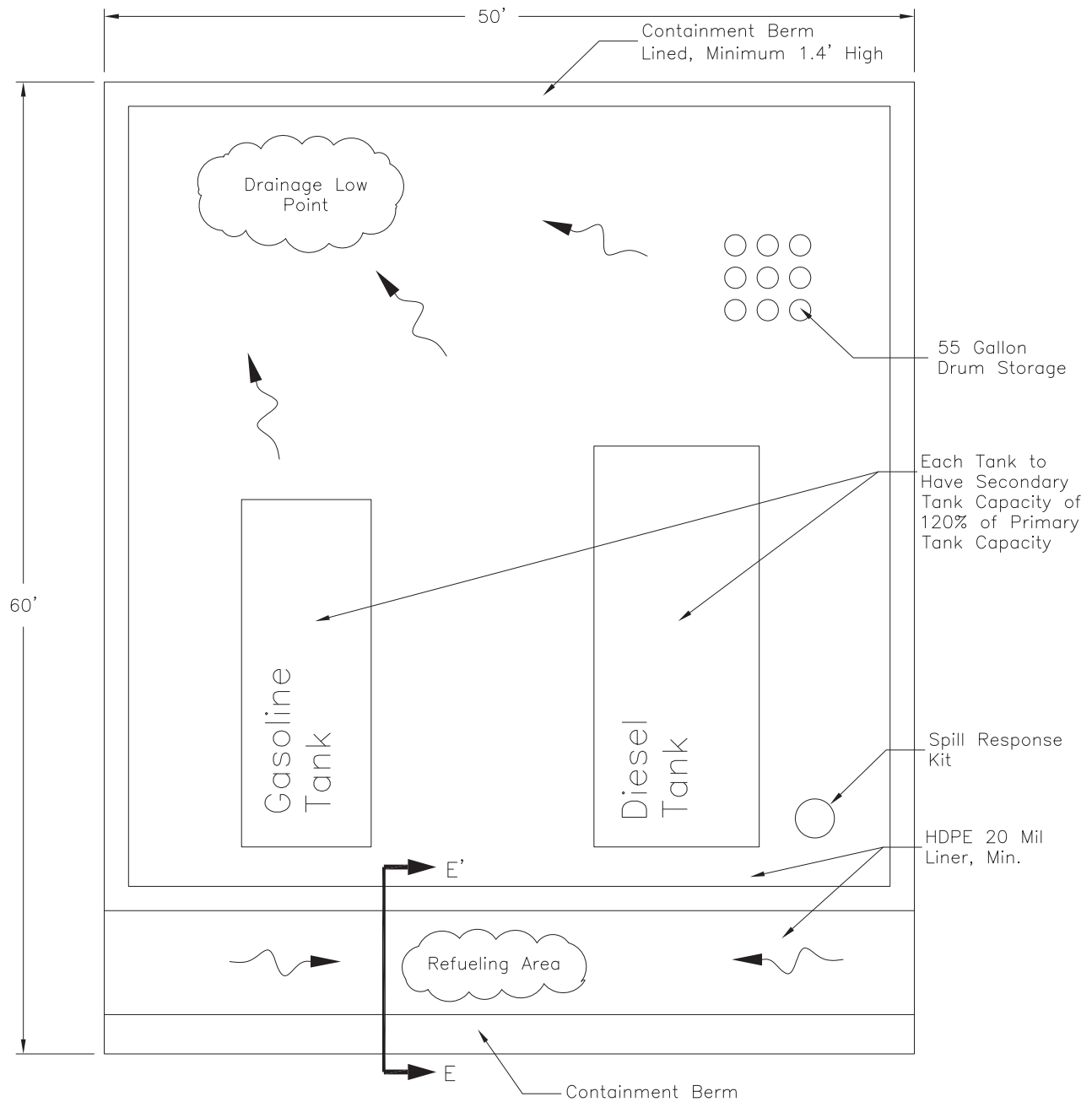
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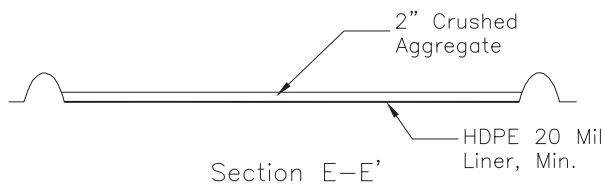
PRELIMINARY

TOFTY GULCH MATERIAL SITE  
SECTION D-D'  
NOT TO SCALE

# PRELIMINARY



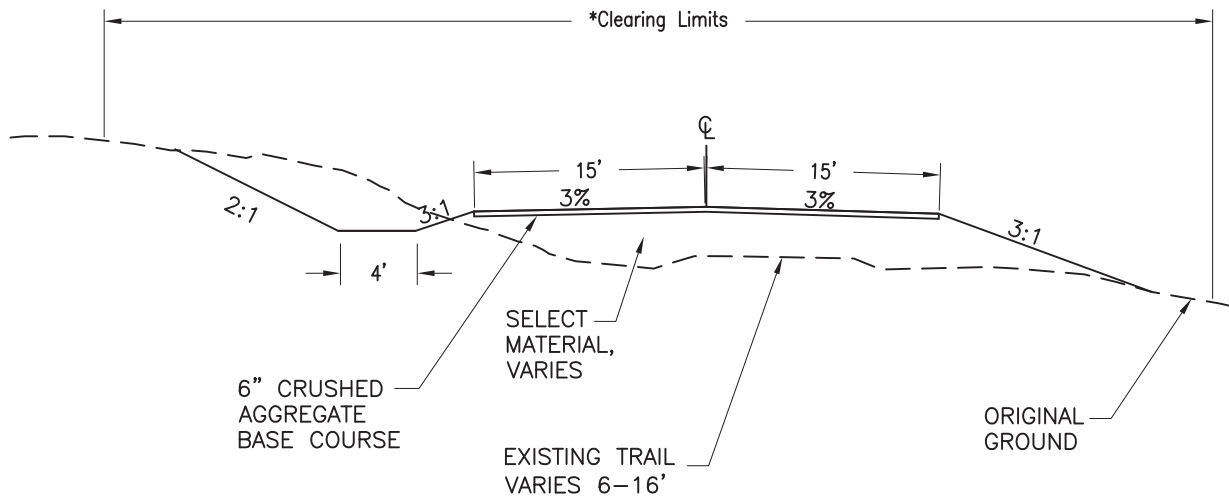
NOTE:  
Fuel storage area to be placed on staging area gravel pad.



I:\Industrial Roads Project Files\Tanana Road\04\_PSAE\DELIVERABLES TO SPR\fuel Storage Typical-CORPS FUEL CONTAINMENT AREA 1.ea, 18/Dec/12 04:37pm

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, AK 99709	
ROAD TO TANANA 61759	
<b>TYPICAL FUEL STORAGE CONTAINMENT, SECTION E-E'</b>	
DATE: 12/21/2012	SHEET: 77 OF 110

TYPICAL ROAD SECTION  
SECTION F-F'  
NTS

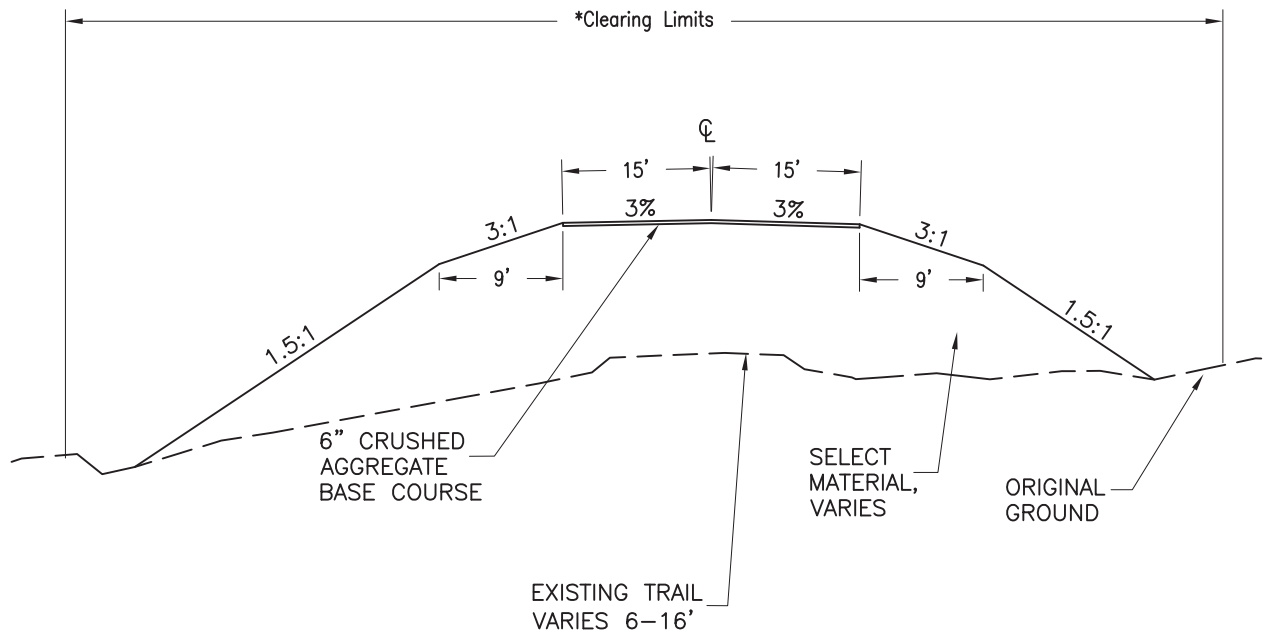


Notes:  
\* Clearing limits extend 10' beyond the tow

T:\Industrial\_Roads\_Project\_Files\tanana\_Road\04\_PSAE\DELIVERABLES TO SPR\Deliverables\Typical-existing trail Mod, 19/Dec/12 10:08am

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 TYPICAL ROAD SECTION, SECTION F-F'	
DATE: 12/21/2012	SHEET: 78 OF 110

TYPICAL ROAD SECTION  
SECTION G-G'  
NTS

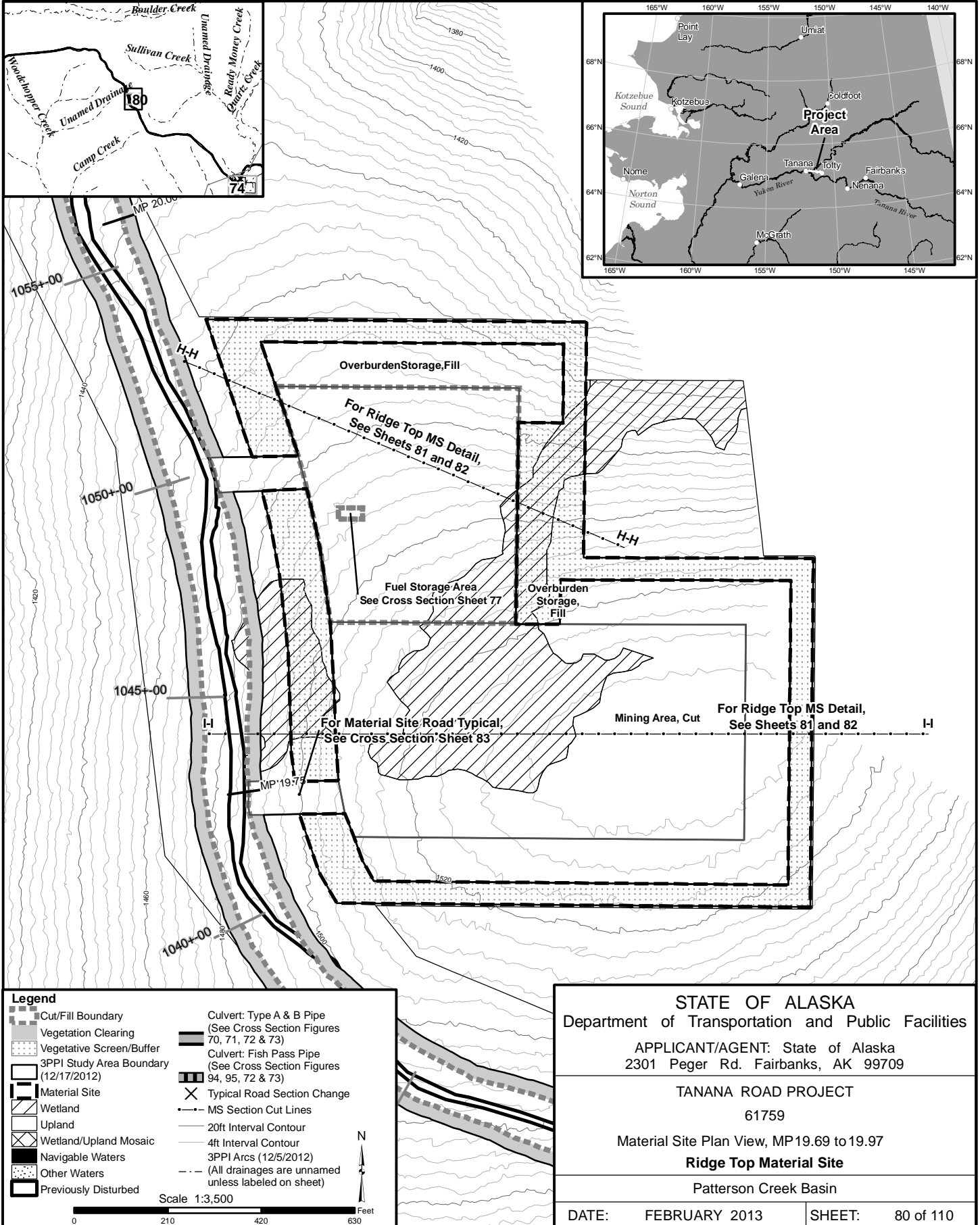


Notes:

- \* Clearing limits extend 10' beyond the tow
- Typical Section G-G is typical for fill sections exceeding 10'

I:\Industrial Roads Project Files\Tanana Road\04 PS&E\DELIVERABLES TO SPR\Deliverables\Typical-existing trail large fill Mod\_19/Dec/12 10:09am

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 TYPICAL ROAD SECTION, SECTION G-G'	
DATE: 12/21/2012	SHEET: 79 OF 110



Q:\Projects\280\_3PPI\Tanana\_2012\Mxds\_404\RD1\_Tanana\_404\_Corps\_MS\_8x11\_1of7\_v01.mxd 02/08/13 01:14 PM

**Legend**

Cut/Fill Boundary	Culvert: Type A & B Pipe (See Cross Section Figures 70, 71, 72 & 73)
Vegetation Clearing	Culvert: Fish Pass Pipe (See Cross Section Figures 94, 95, 72 & 73)
Vegetative Screen/Buffer	Typical Road Section Change
3PPI Study Area Boundary (12/17/2012)	MS Section Cut Lines
Material Site	20ft Interval Contour
Wetland	4ft Interval Contour
Upland	3PPI Arcs (12/5/2012)
Wetland/Upland Mosaic	(All drainages are unnamed unless labeled on sheet)
Navigable Waters	
Other Waters	
Previously Disturbed	

Scale 1:3,500

0 210 420 630 Feet

N

**STATE OF ALASKA**  
Department of Transportation and Public Facilities

APPLICANT/AGENT: State of Alaska  
2301 Peger Rd. Fairbanks, AK 99709

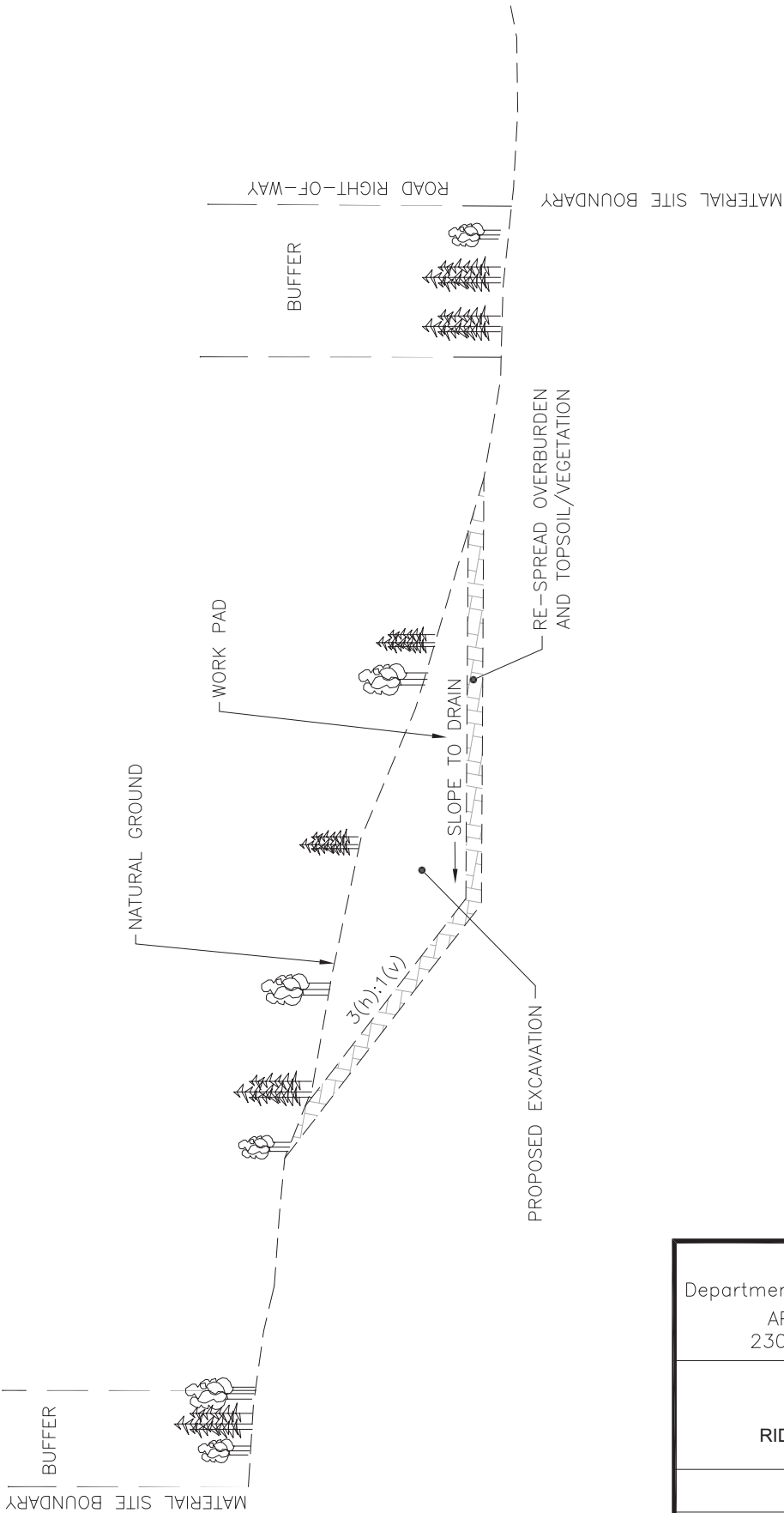
**TANANA ROAD PROJECT**  
61759

Material Site Plan View, MP19.69 to 19.97  
**Ridge Top Material Site**

Patterson Creek Basin

DATE: FEBRUARY 2013	SHEET: 80 of 110
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T:\Industrial Roads Project Files\Tanana Road\04 PS&E\DELIVERABLES TO 3PP\Deliverables\material Site Rec Plan - Soft Bedrock-Ridge Top Section Tue, 18/Dec/12 04:22pm

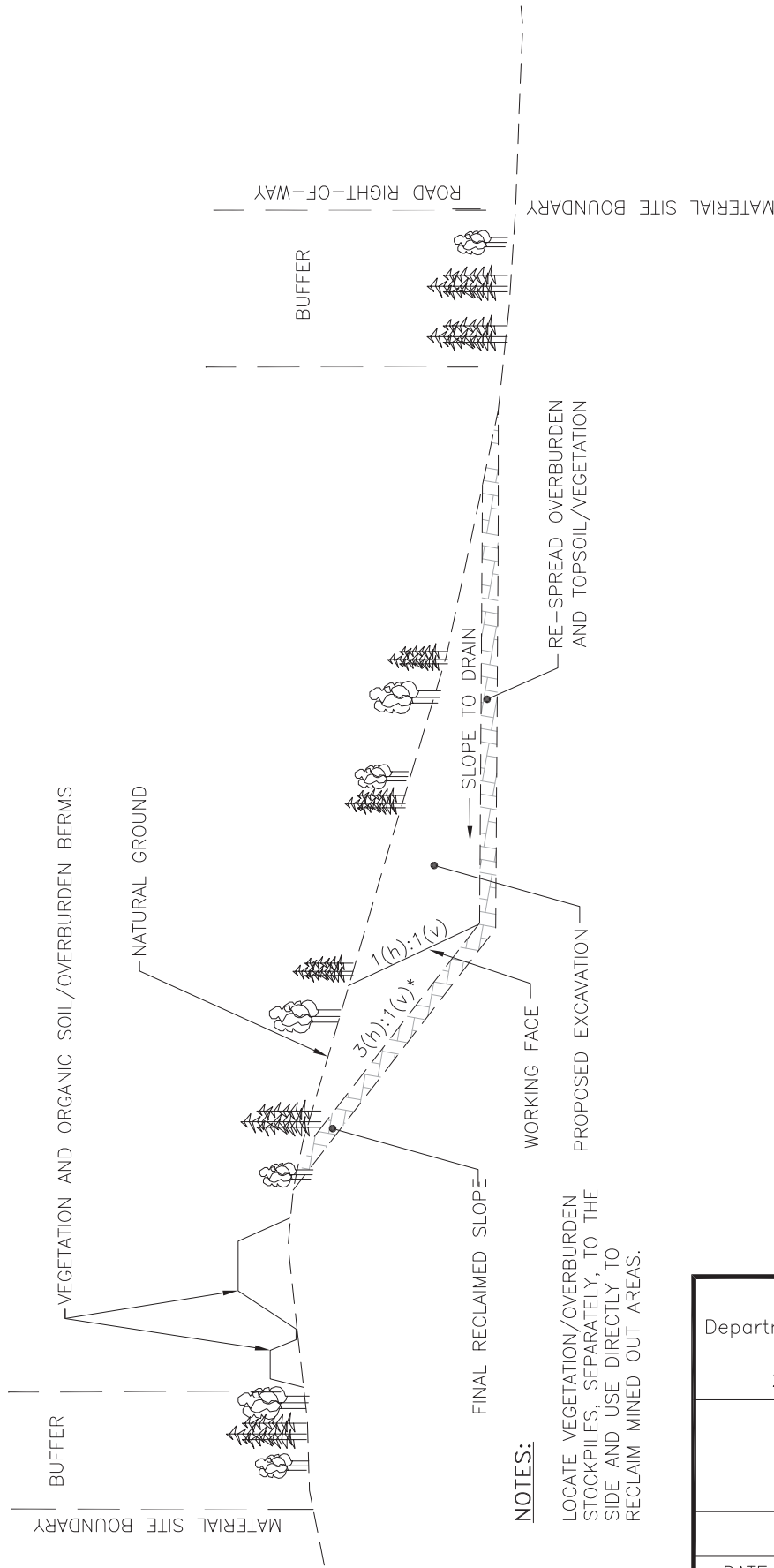


RIDGE TOP MATERIAL SITE  
SECTION H-H'  
NOT TO SCALE

PRELIMINARY

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 RIDGE TOP MATERIAL SITE, SECTION H-H'	
DATE: 12/21/2012	SHEET: 81 OF 110

T:\Industrial Roads Project Files\Tanana Road\04 PS&E\DELIVERABLES TO 3PP\Deliverables\material Site Rec Plan - Soft Bedrock-Ridge Top Section (2) Tue, 18/Dec/12 04:22pm

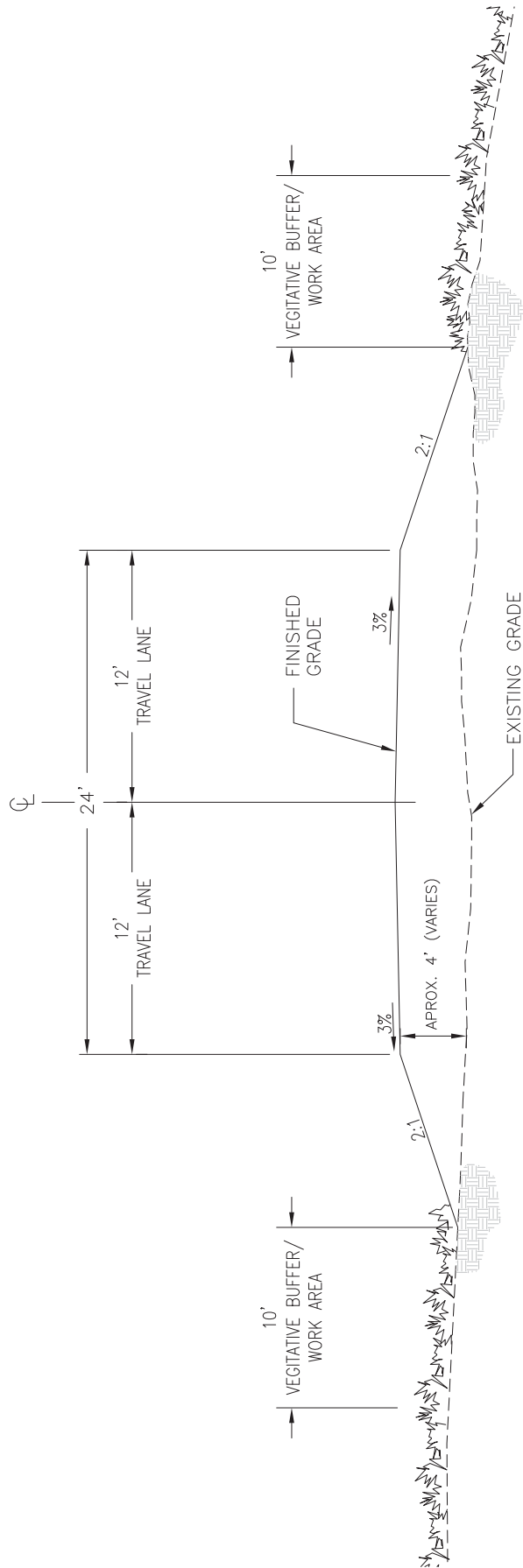


**NOTES:**  
 LOCATE VEGETATION/OVERBURDEN STOCKPILES, SEPARATELY, TO THE SIDE AND USE DIRECTLY TO RECLAIM MINED OUT AREAS.

RIDGE TOP MATERIAL SITE  
 SECTION I-I'  
 NOT TO SCALE

**PRELIMINARY**

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 <b>RIDGE TOP MATERIAL SITE, SECTION I-I'</b>	
DATE:	12/21/2012
SHEET:	82 OF 110



TYPICAL SECTION  
SECTION J-J'  
NOT TO SCALE

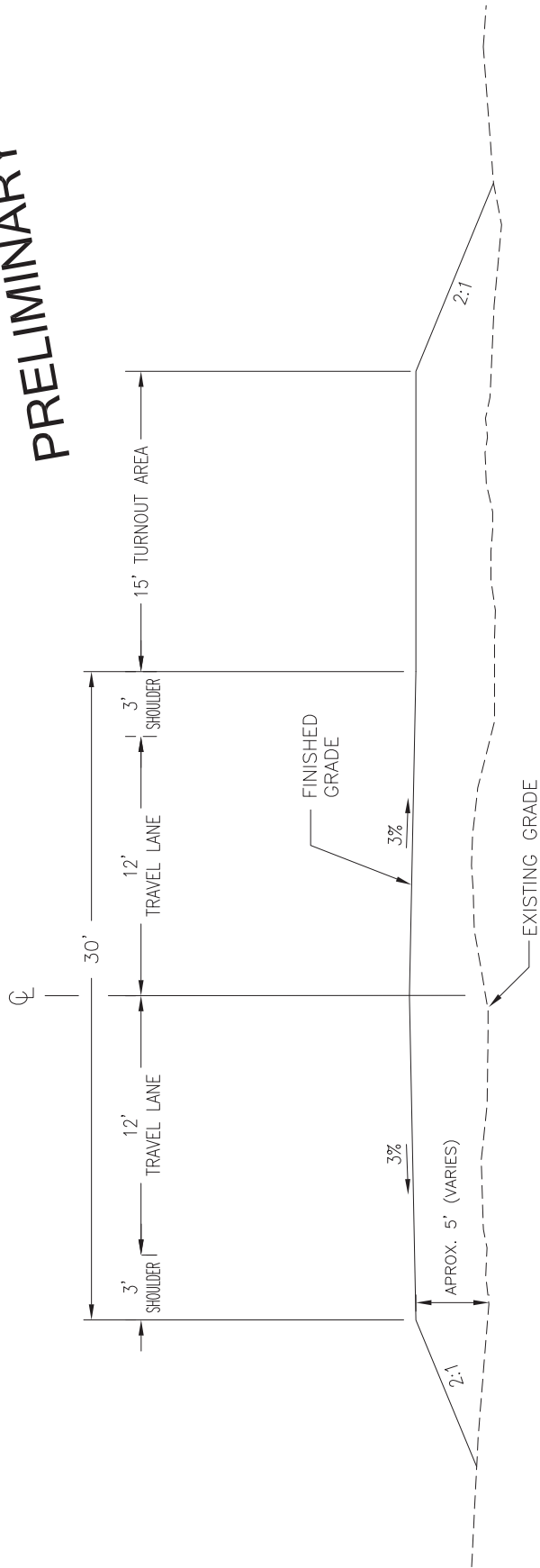
PRELIMINARY

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, AK 99709	
ROAD TO TANANA 61759	
MATERIAL SITE ROAD TYPICAL, SECTION J-J'	
DATE: 12/21/2012	SHEET: 83 OF 110

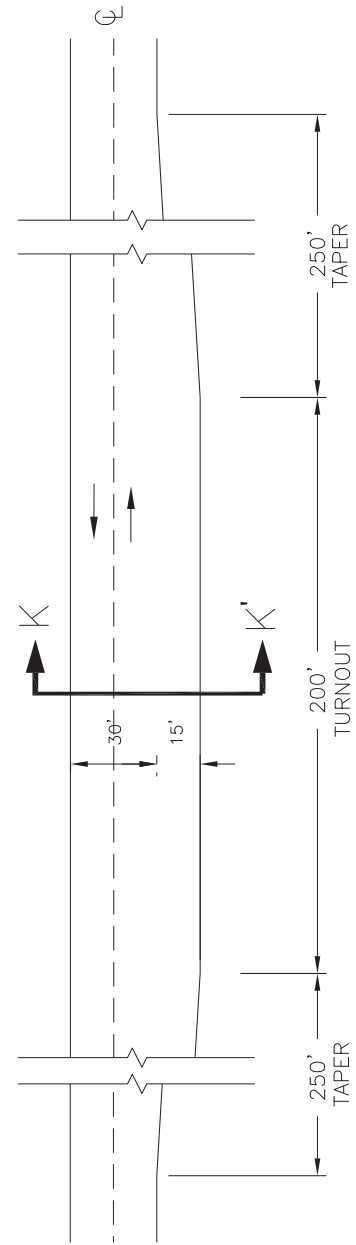
T:\Industrial Roads Project Files\Tanana Road\04\_P&S\DELIVERABLES TO JPP\Material Site Road Typical-Typical Title\_18/Dec/12 04:38pm



**PRELIMINARY**



TYPICAL SECTION  
SECTION K-K'  
NTS



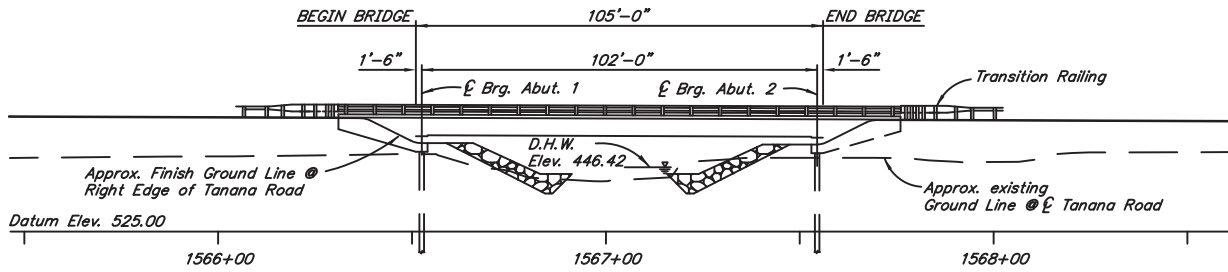
PLAN  
NTS

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, AK 99709	
ROAD TO TANANA 61759 TYPICAL ROAD TURNOUT, SECTION K-K'	
DATE: 12/21/2012	SHEET: 84 OF 110

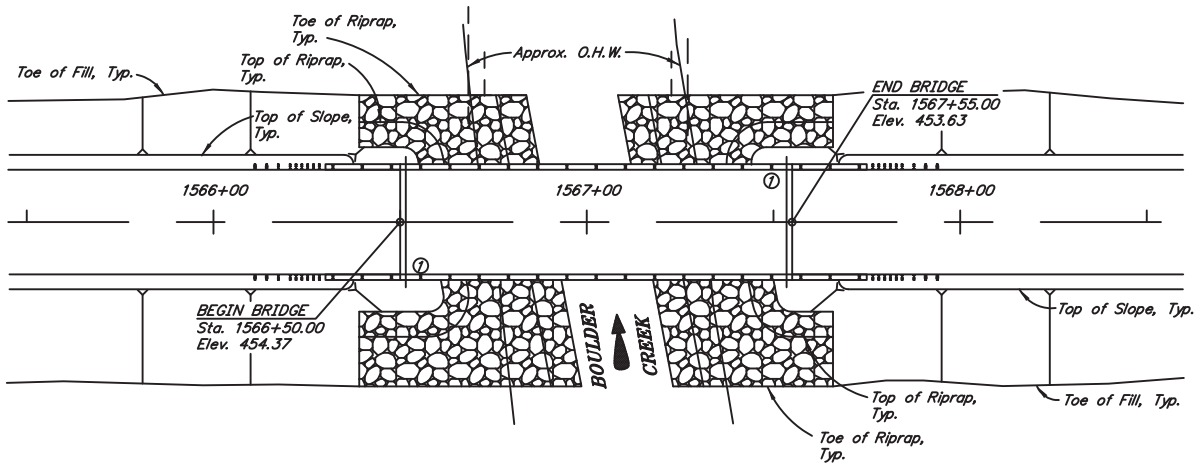
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PRELIMINARY

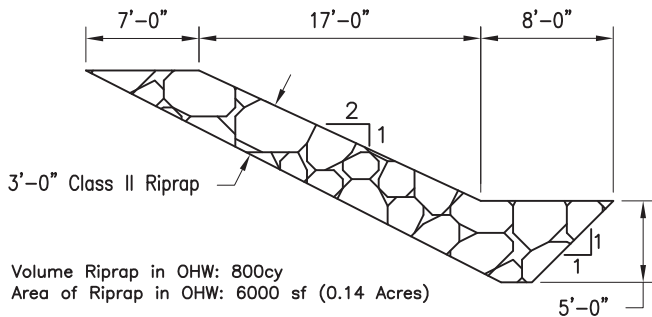
BOULDER CREEK BRIDGE PROFILE VIEW  
NTS



BOULDER CREEK BRIDGE PLAN VIEW  
NTS

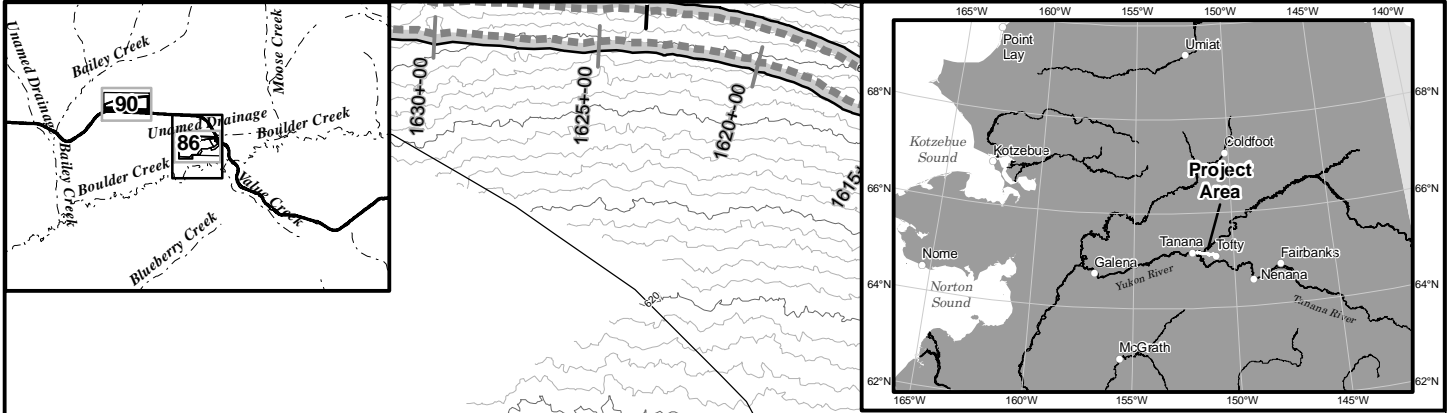


RIPRAP SECTION DETAIL  
NTS



STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 BOULDER CREEK BRIDGE PLAN AND PROFILE	
DATE: 12/21/2012	SHEET: 85 OF 110

I:\Industrial Roads Project Files\Tanana Road\04 PS&E\DELIVERABLES TO 3PP\Deliverables\Bridges\Bridge Permit Drawings-TYPICALS.Tue, 18/Dec/12 04:33pm



Q:\Projects\280\_3PPI\Tanana\_2012\Mxds\_404\RD1\_Tanana\_404\_Corps\_MS\_8x11\_1of7\_v01.mxd 02/08/13 01:14 PM

**Legend**

	Cut/Fill Boundary		Culvert: Type A & B Pipe (See Cross Section Figures 70, 71, 72 & 73)
	Vegetation Clearing		Culvert: Fish Pass Pipe (See Cross Section Figures 94, 95, 72 & 73)
	Vegetative Screen/Buffer		Typical Road Section Change
	3PPI Study Area Boundary (12/17/2012)		MS Section Cut Lines
	Material Site		20ft Interval Contour
	Wetland		4ft Interval Contour
	Upland		3PPI Arcs (12/5/2012)
	Wetland/Upland Mosaic		(All drainages are unnamed unless labeled on sheet)
	Navigable Waters		
	Other Waters		
	Previously Disturbed		

Scale 1:7,000

0 420 840 1,260 Feet

**STATE OF ALASKA**  
Department of Transportation and Public Facilities

APPLICANT/AGENT: State of Alaska  
2301 Peger Rd. Fairbanks, AK 99709

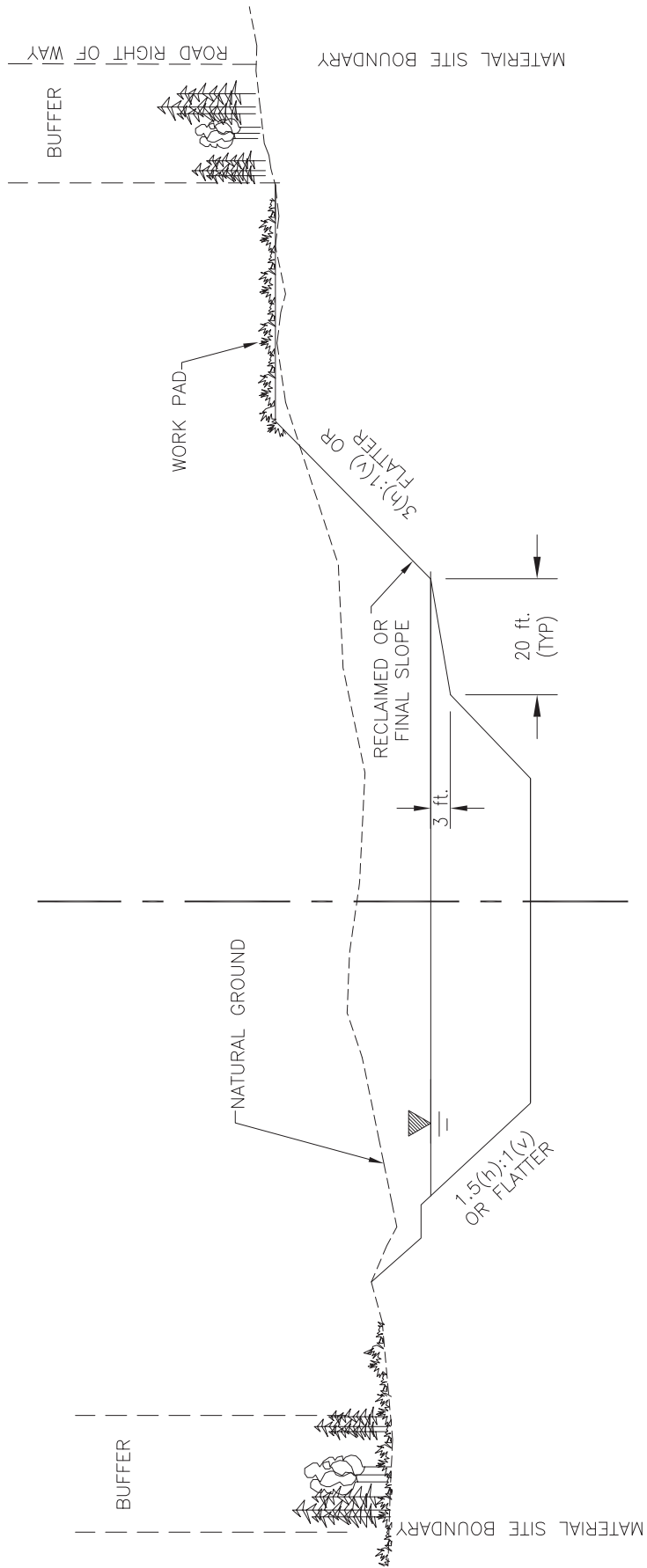
**TANANA ROAD PROJECT**  
61759

Material Site Plan View, MP30.06 to 30.33  
**Boulder Creek Material Site**

Fish Creek Basin

DATE: FEBRUARY 2013	SHEET: 86 of 110
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T:\Industrial Roads Project Files\Tanana Road\04 PS&E\DELIVERABLES TO 3PP\Deliverables\Material Site Permit Drawing-BOULDER CREEK West, 19/Dec/12 09:41am

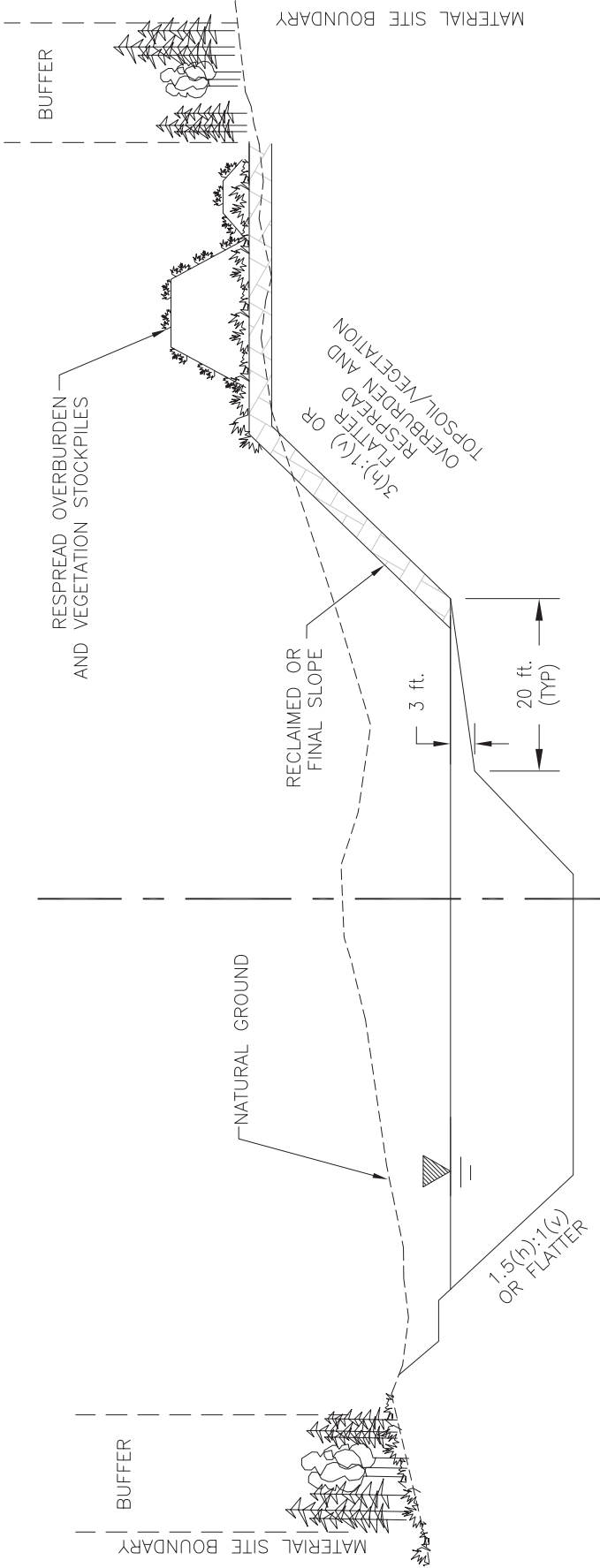


BOULDER CREEK MATERIAL SITE  
SECTION L-L'  
NOT TO SCALE

PRELIMINARY

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, AK 99709	
ROAD TO TANANA 61759 BOULDER CREEK MATERIAL SITE, SECTION L-L'	
DATE: 12/21/2012	SHEET: 87 OF 110

I:\Industrial Roads Project Files\Tanana Road\04 PS&E\DELIVERABLES TO 3PP\Deliverables\Material Site Permit Drawing-Boulder Creek (2) Wet, 19/Dec/12 09:41am



PROPOSED EXCAVATION

RECLAIMED AREAS

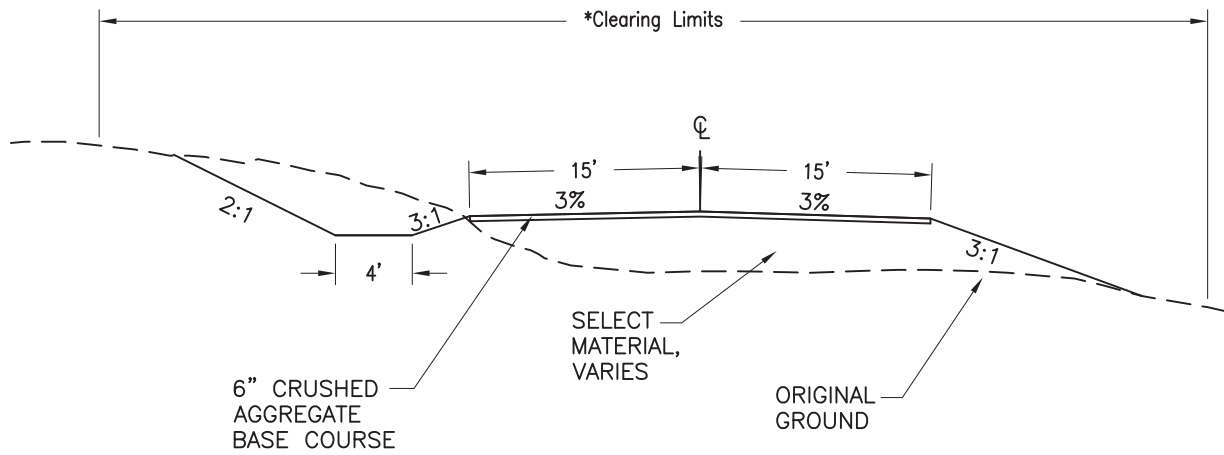
ACTIVE AREAS

BOULDER CREEK MATERIAL SITE  
SECTION M-M'  
NOT TO SCALE

PRELIMINARY

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, AK 99709	
ROAD TO TANANA 61759	
BOULDER CREEK MATERIAL SITE, SECTION M-M'	
DATE: 12/21/2012	SHEET: 88 OF 110

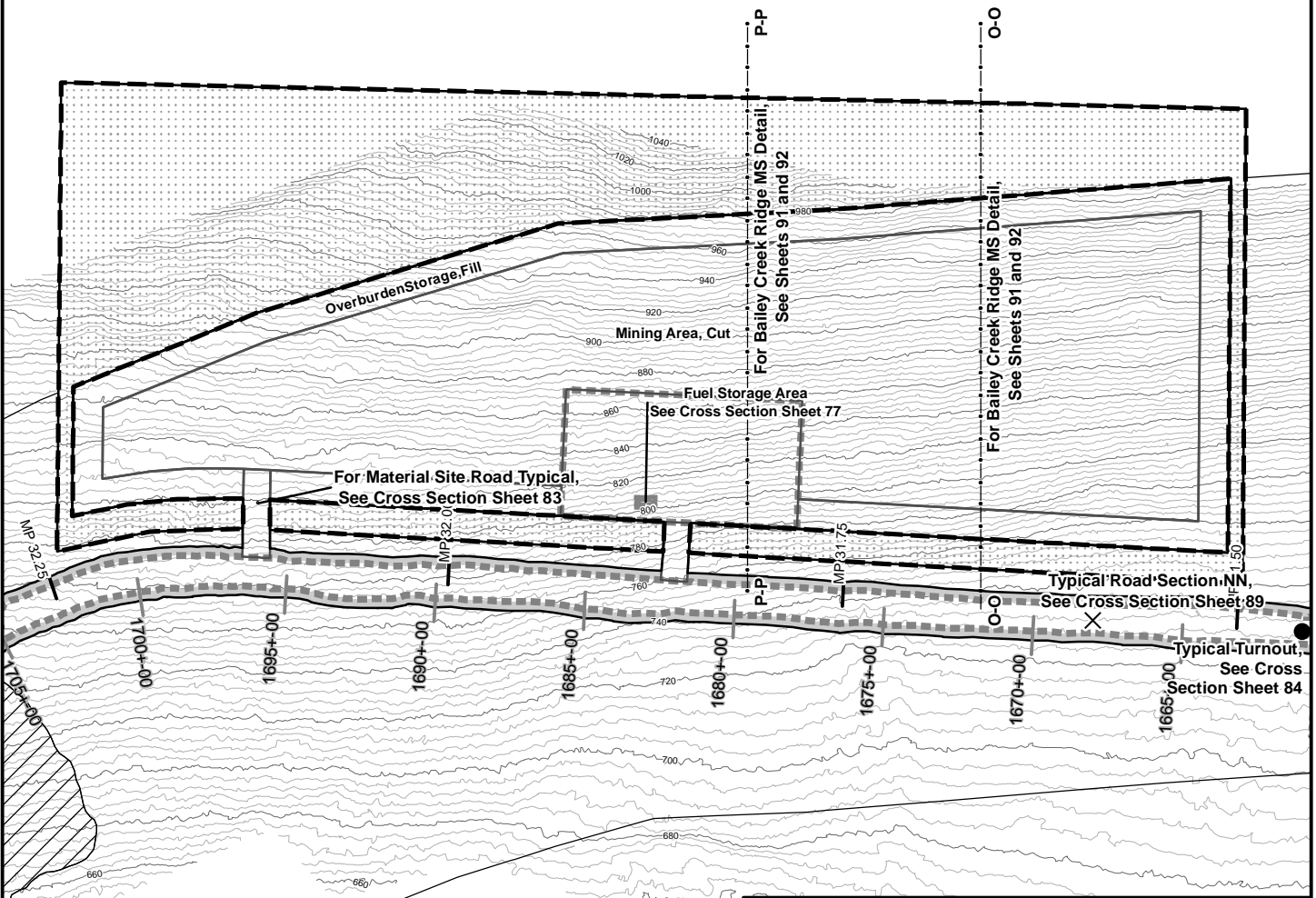
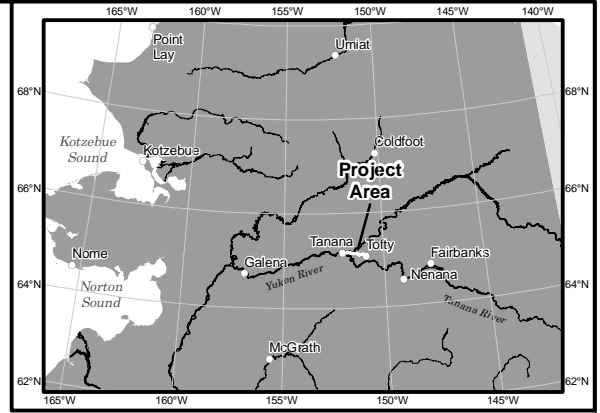
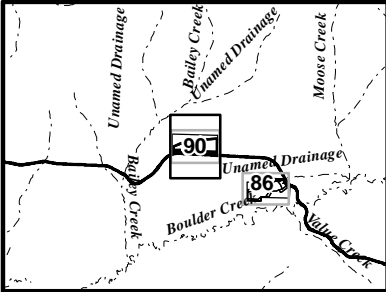
TYPICAL ROAD SECTION  
SECTION N-N'  
NTS



Notes:  
\* Clearing limits extend 10' beyond the tow

T:\Industrial\_Roads\_Project\_Files\tanana\_Road\04\_PSAE\DELIVERABLES TO SPR\Deliverables\Typical-new road\_Wed, 19/Dec/12 10:10am

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 TYPICAL ROAD SECTION, SECTION N-N'	
DATE: 12/21/2012	SHEET: 89 OF 110



**Legend**

	Cut/Fill Boundary		Culvert: Type A & B Pipe (See Cross Section Figures 70, 71, 72 & 73)
	Vegetation Clearing		Culvert: Fish Pass Pipe (See Cross Section Figures 94, 95, 72 & 73)
	Vegetative Screen/Buffer		Typical Road Section Change
	3PPI Study Area Boundary (12/17/2012)		MS Section Cut Lines
	Material Site		20ft Interval Contour
	Wetland		4ft Interval Contour
	Upland		3PPI Arcs (12/5/2012)
	Wetland/Upland Mosaic		(All drainages are unnamed unless labeled on sheet)
	Navigable Waters		
	Other Waters		
	Previously Disturbed		

Scale 1:7,000

0 425 850 1,275 Feet

N

**STATE OF ALASKA**  
Department of Transportation and Public Facilities

APPLICANT/AGENT: State of Alaska  
2301 Peger Rd. Fairbanks, AK 99709

**TANANA ROAD PROJECT**  
61759

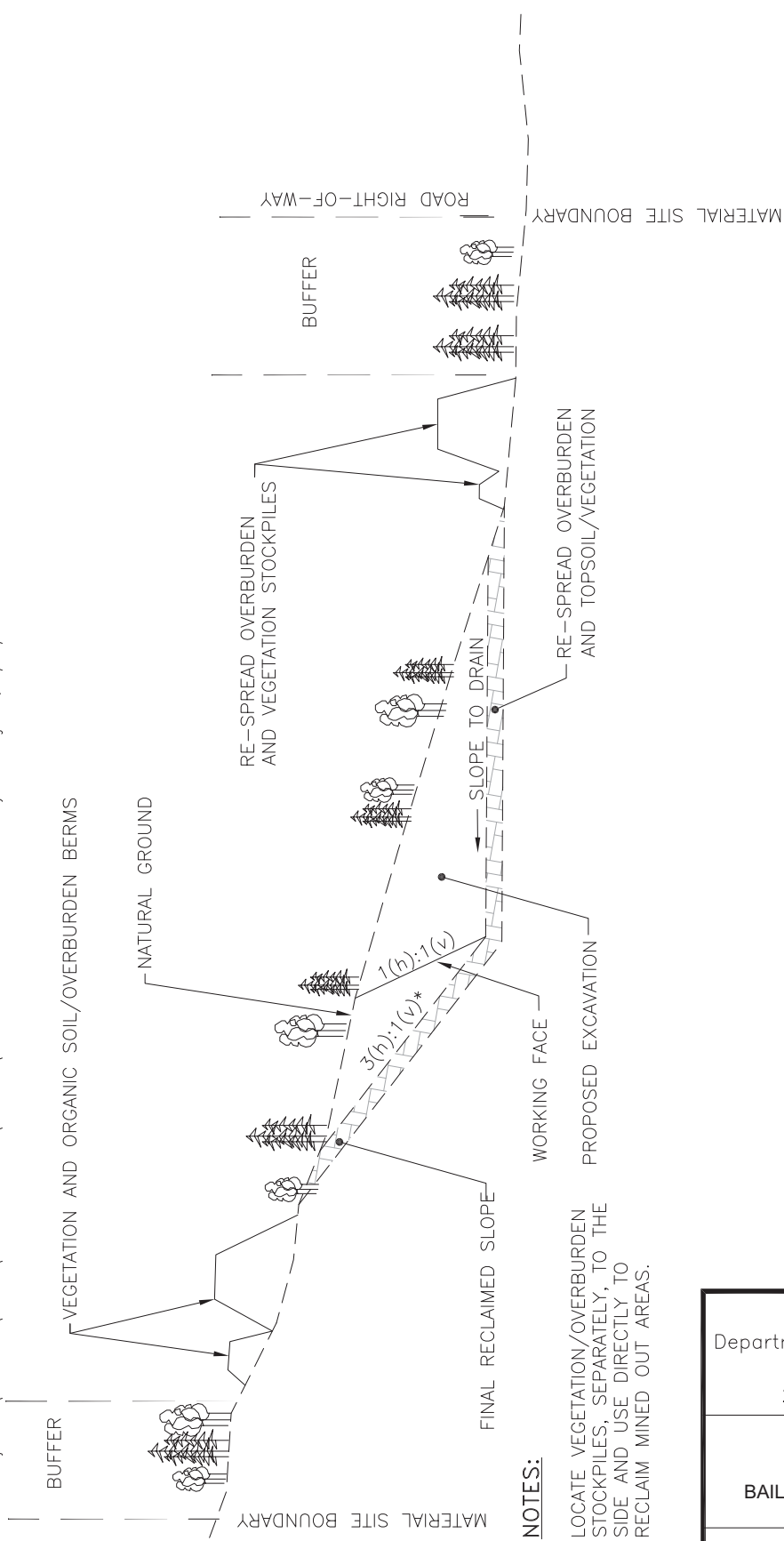
Material Site Plan View, MP31.46 to 32.27  
**Bailey Creek Ridge Material Site**

Fish Creek Basin

DATE: FEBRUARY 2013	SHEET: 90 of 110
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Q:\Projects\280\_3PPI\Tanana\_2012\Mxds\_40\ARDI\_Tanana\_404\Corps\_MS\_8x11\_1of7\_v01.mxd 02/08/13 01:14 PM

T:\Industrial Roads Project Files\Tanana Road\04 PS&E\DELIVERABLES TO 3PP\Deliverables\material Site Rec Plan - Soft Bedrock-Bailey Creek Ridge Material Site Rec Plan - 19/Dec/12 09:42am



**NOTES:**

LOCATE VEGETATION/OVERBURDEN STOCKPILES, SEPARATELY, TO THE SIDE AND USE DIRECTLY TO RECLAIM MINED OUT AREAS.

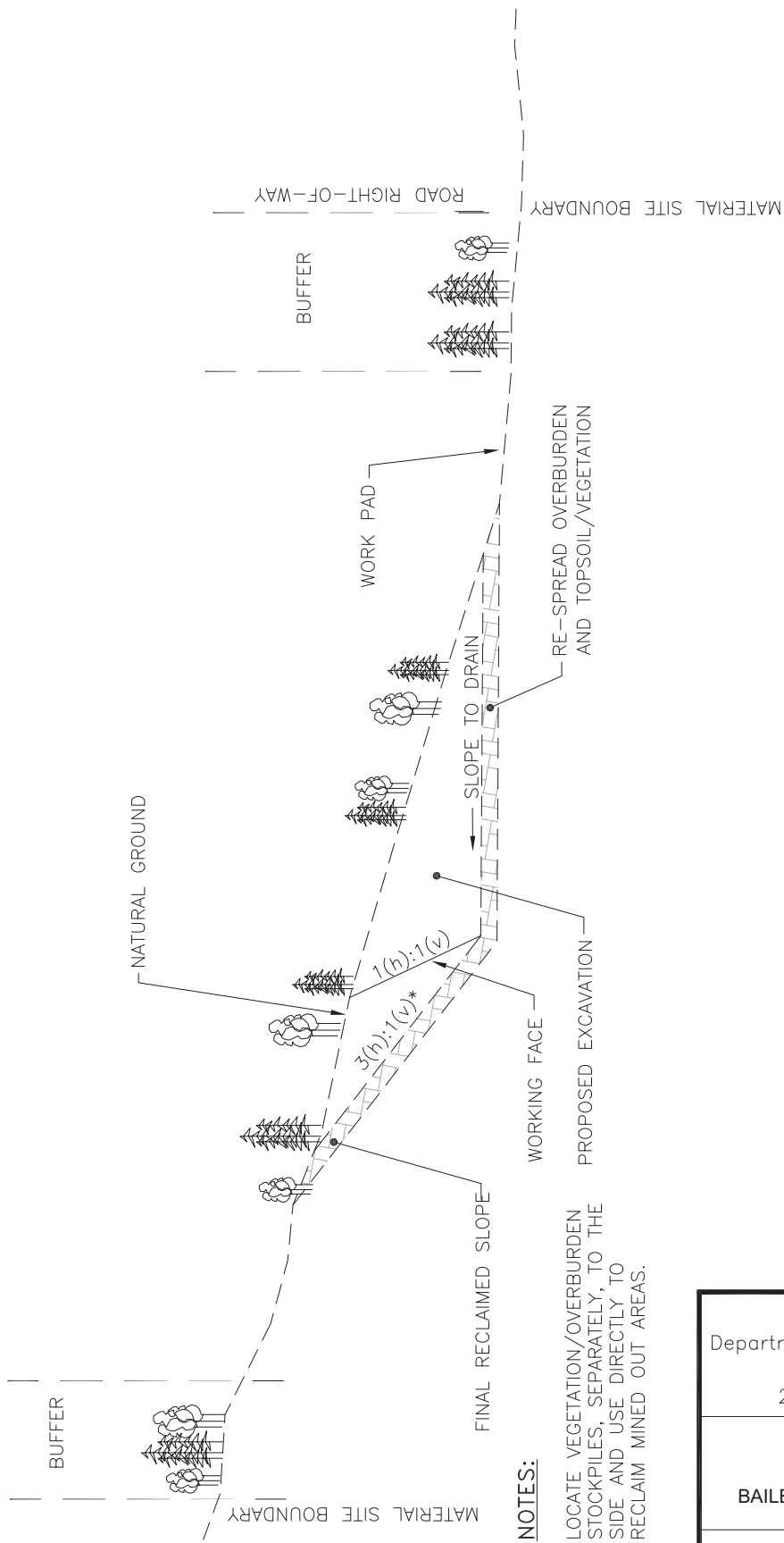
BAILEY CREEK RIDGE MATERIAL SITE  
SECTION O-O'  
NOT TO SCALE

**PRELIMINARY**

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 <b>BAILEY CREEK RIDGE MATERIAL SITE, SECTION O-O'</b>	
DATE: 12/21/2012	SHEET: 91 OF 110



T:\Industrial Roads Project Files\Tanana Road\04 PS&E\DELIVERABLES TO 3PP\Deliverables\material Site Rec Plan - Soft Bedrock-Bailey Creek Ridge (2) Wed, 19/Dec/12 09:42am



**NOTES:**

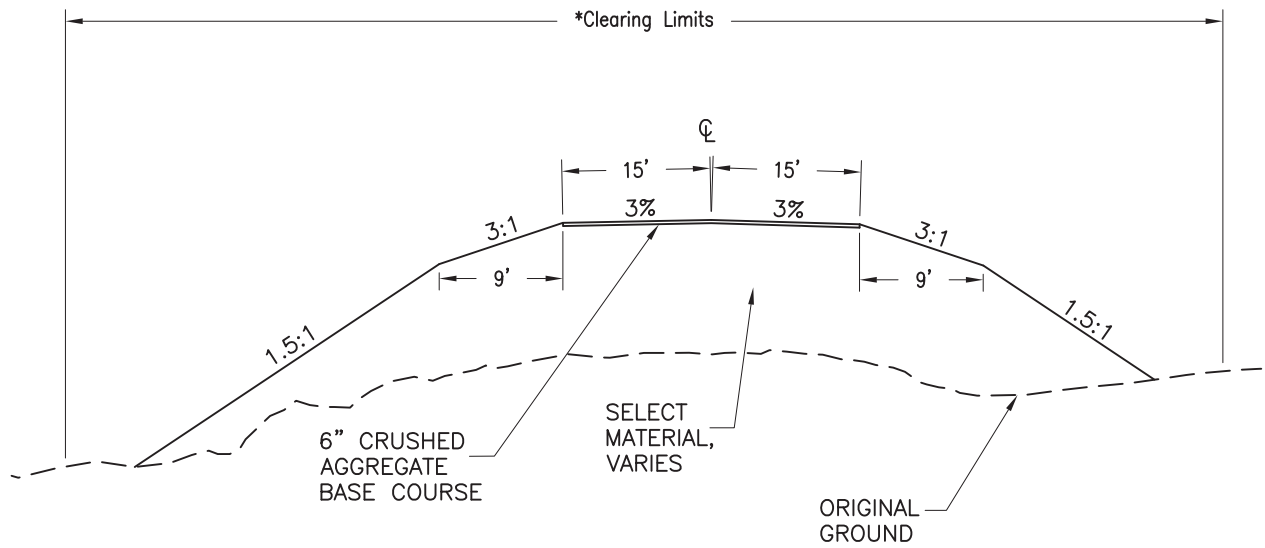
LOCATE VEGETATION/OVERBURDEN STOCKPILES, SEPARATELY, TO THE SIDE AND USE DIRECTLY TO RECLAIM MINED OUT AREAS.

BAILEY CREEK RIDGE MATERIAL SITE  
SECTION P-P'  
NOT TO SCALE

**PRELIMINARY**

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 <b>BAILEY CREEK RIDGE MATERIAL SITE, SECTION P-P'</b>	
DATE: 12/21/2012	SHEET: 92 OF 110

TYPICAL ROAD SECTION  
SECTION Q-Q'  
NTS

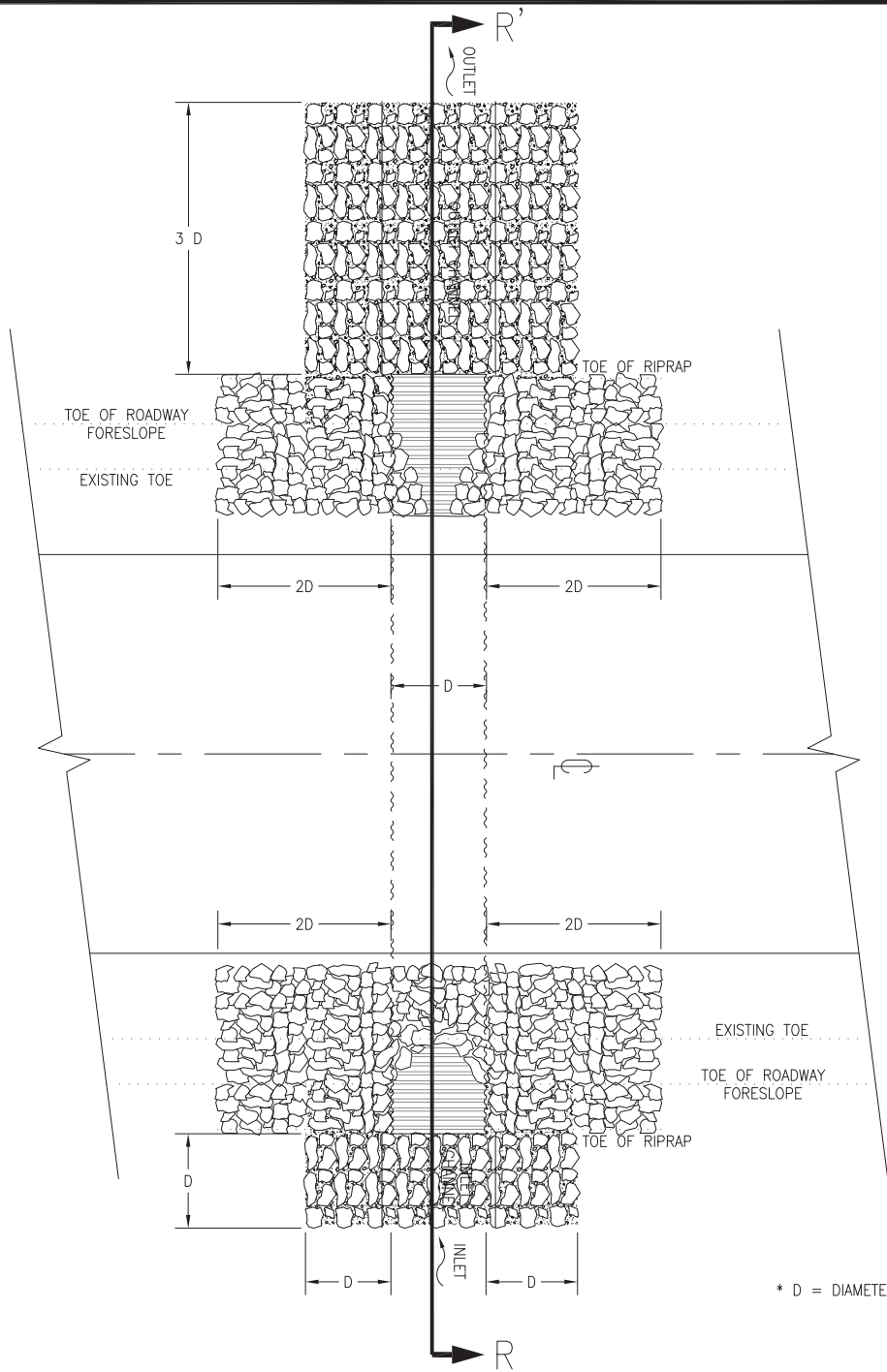


Notes:

- \* Clearing limits extend 10' beyond the tow
- Typical Section 'Q-Q' is typical for fill sections exceeding 10'

I:\Industrial Roads Project Files\tanana Road\04 PS&E\DELIVERABLES TO 3PP\Deliverables\Typical-new road large fill Mod\_19/Dec/12 10:10am

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 TYPICAL ROAD SECTION, SECTION Q-Q'	
DATE: 12/21/2012	SHEET: 93 OF 110



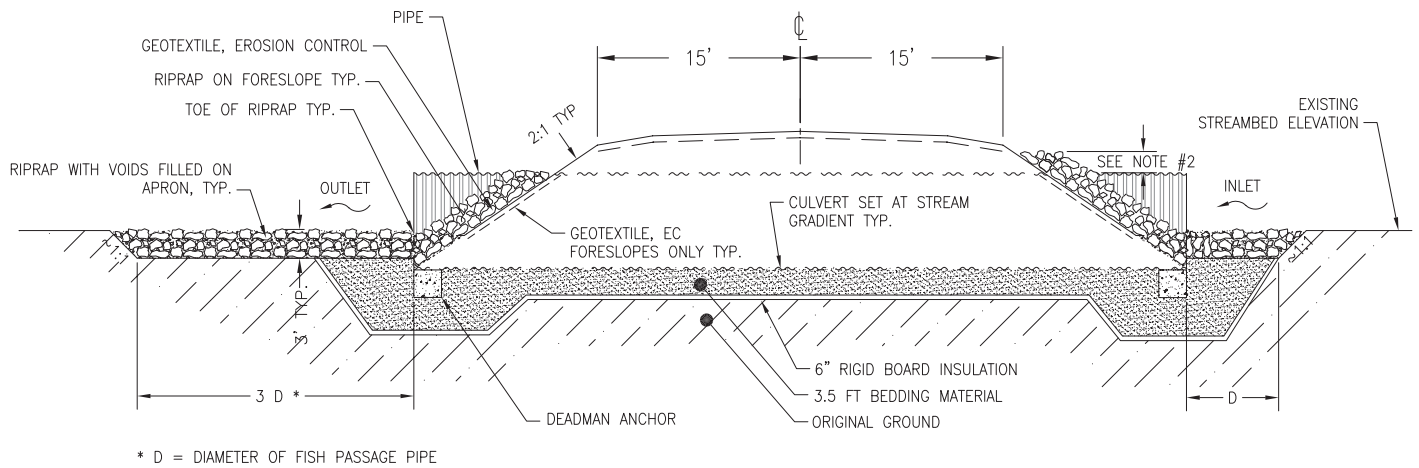
\* D = DIAMETER OF FISH PASSAGE PIPE

FISH PASSAGE PIPE PLAN VIEW  
NOT TO SCALE

**PRELIMINARY**

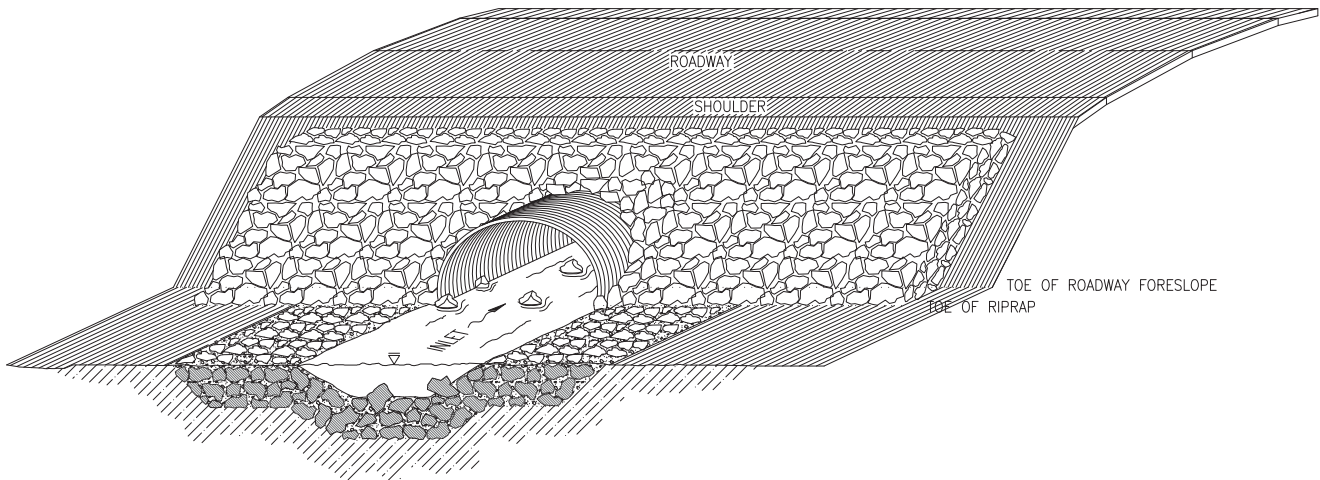
STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, AK 99709	
ROAD TO TANANA 61759	
FISH PASS PIPE PLAN VIEW, SECTION R-R'	
DATE: 12/21/2012	SHEET: 94 OF 110

I:\Industrial Roads Project Files\Tanana Road\04\_PSAE\DELIVERABLES TO 3PP\Deliverables\Culverts\CULVERT TYPICALS-Fish2.Wed, 19/Dec/12 09:44am



\* D = DIAMETER OF FISH PASSAGE PIPE

FISH PASSAGE PIPE TYPICAL  
SECTION R-R'  
NOT TO SCALE



FISH PASSAGE PIPE OBLIQUE VIEW  
NOT TO SCALE

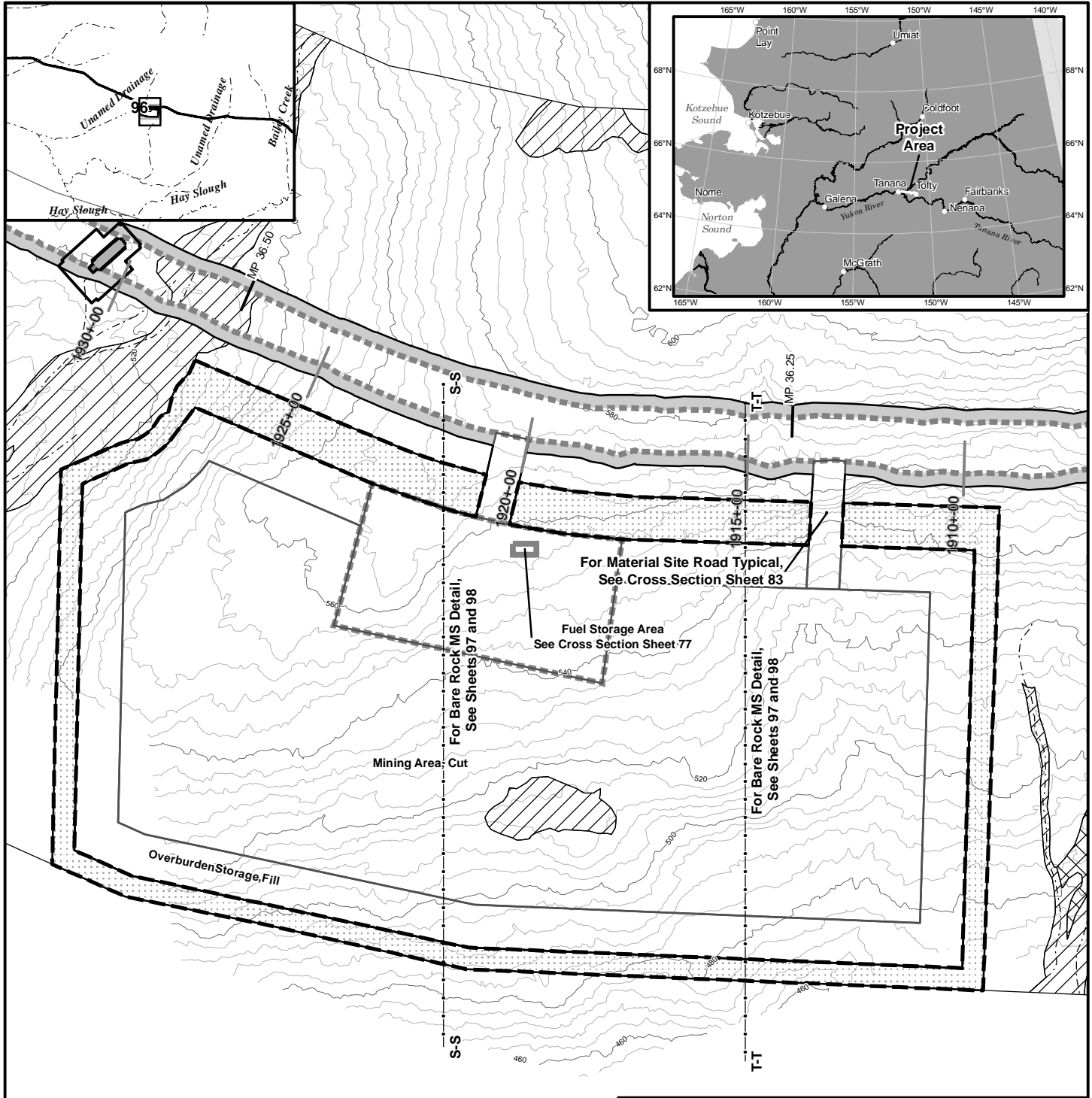
NOTES:

1. EROSION CONTROL STRUCTURES ARE APPROXIMATE AND MAY BE FIELD ADJUSTED BY THE ENGINEER TO TAKE ADVANTAGE OF EXISTING CHANNEL FEATURES.
2. EXTEND RIPRAP 3 FEET ABOVE THE PIPE ON THE INLET SIDE OR TO EDGE OF SHOULDER, WHICHEVER IS LESS. ON THE OUTLET SIDE, THE RIPRAP SHALL EXTEND TO THE TOP OF THE PIPE.
3. GEOTEXTILE IS NEEDED ON ROADWAY FORESLOPE ONLY.
4. FILL VOIDS IN THE INLET AND OUTLET CHANNEL BOTTOM RIPRAP APRONS WITH GRAVEL.

**PRELIMINARY**

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, AK 99709	
ROAD TO TANANA 61759	
FISH PASS PIPE PLAN AND OBLIQUE VIEW, SECTION R-R'	
DATE: 12/21/2012	SHEET: 95 OF 110

I:\Industrial Roads Project Files\tanana Road\04\_PSB&S\DELIVERABLES TO 3PP\Deliverables\Culverts\CULVERT TYPICALS-Fish1.dwg, 19 Dec/12 08:44am



Q:\Projects\280\_3PPI\Tanana\_2012\Mxds\_404\RD1\_Tanana\_404\_Corps\_MS\_8x11\_1of17\_v01.mxd 02/08/13 01:14 PM

**Legend**

Cut/Fill Boundary	Culvert: Type A & B Pipe (See Cross Section Figures 70, 71, 72 & 73)
Vegetation Clearing	Culvert: Fish Pass Pipe (See Cross Section Figures 94, 95, 72 & 73)
Vegetative Screen/Buffer	Typical Road Section Change
3PPI Study Area Boundary (12/17/2012)	MS Section Cut Lines
Material Site	20ft Interval Contour
Wetland	4ft Interval Contour
Upland	3PPI Arcs (12/5/2012)
Wetland/Upland Mosaic	(All drainages are unnamed unless labeled on sheet)
Navigable Waters	
Other Waters	
Previously Disturbed	

Scale 1:4,000

0 250 500 750 Feet

N

**STATE OF ALASKA**  
Department of Transportation and Public Facilities

APPLICANT/AGENT: State of Alaska  
2301 Peger Rd. Fairbanks, AK 99709

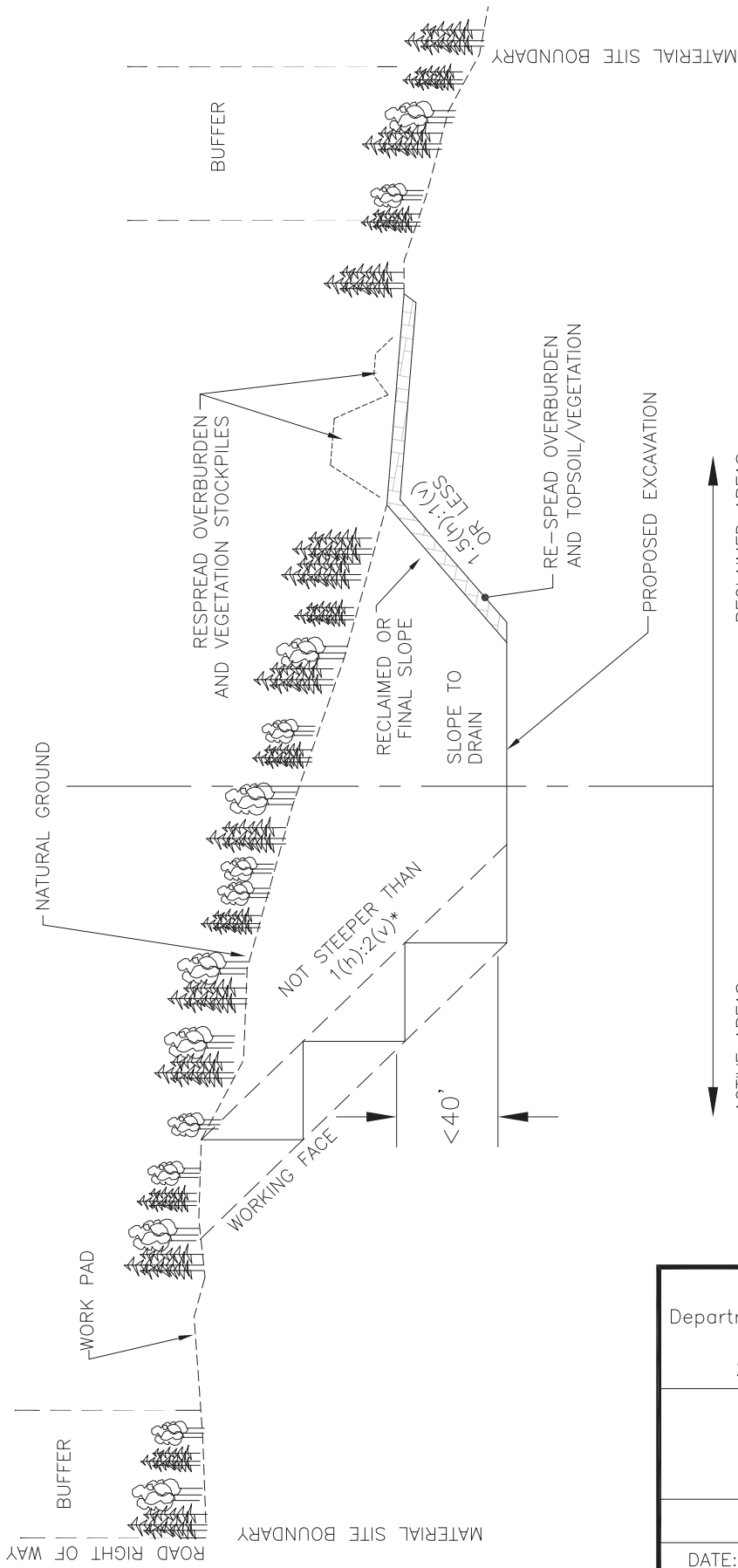
**TANANA ROAD PROJECT**  
61759

Material Site Plan View, MP36.13 to 36.56  
**Bare Rock Material Site**

Tanana River Basin

DATE: FEBRUARY 2013	SHEET: 96 of 110
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T:\Industrial Roads Project Files\Tanana Road\04\_P&S&E\DELIVERABLES TO 3PP\Deliverables\Material Site Permit Drawing-BARE ROCK Wed, 19/Dec/12 09:45am

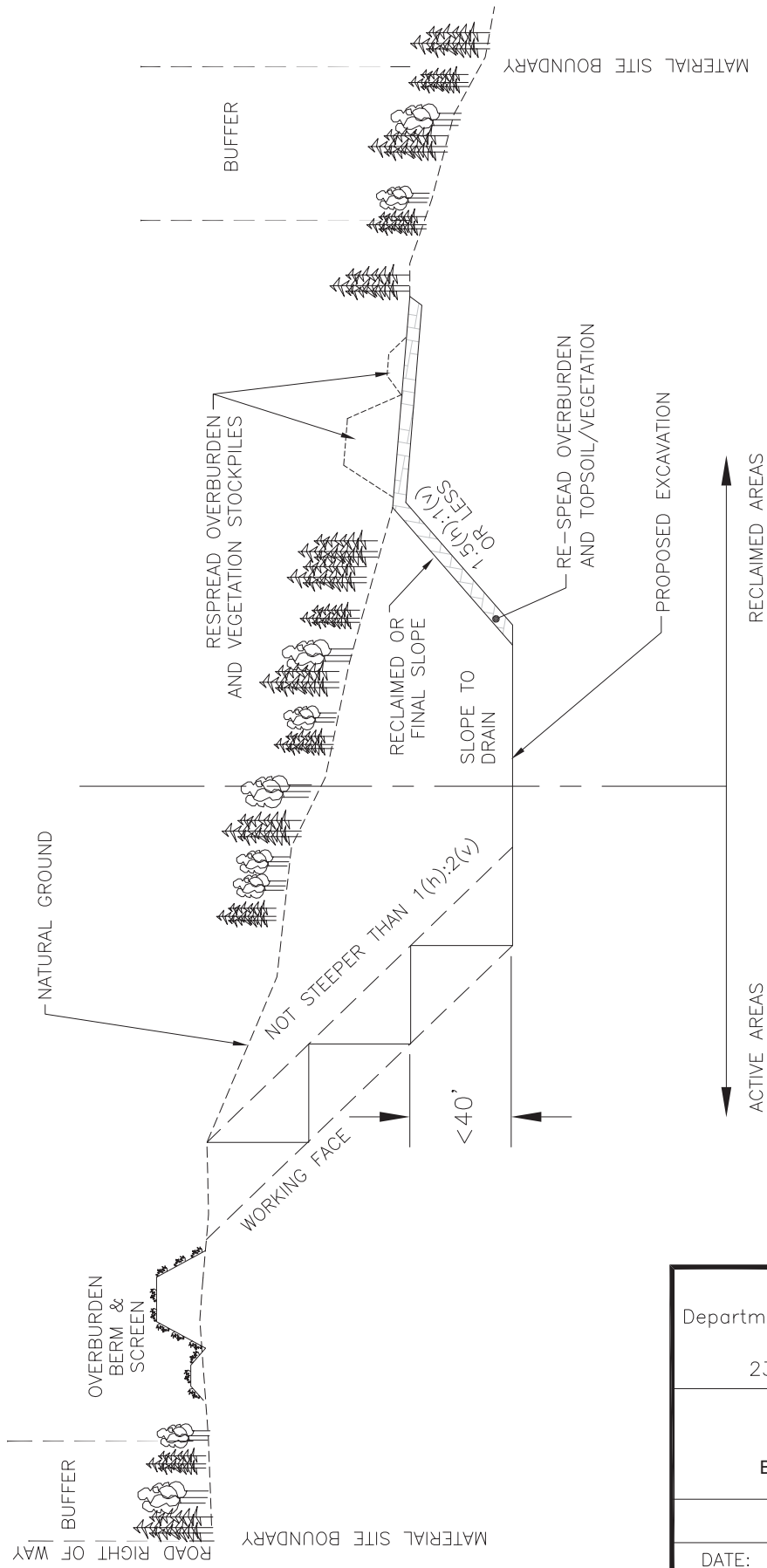


BARE ROCK MATERIAL SITE  
SECTION S-S'  
NOT TO SCALE

PRELIMINARY

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 BARE ROCK MATERIAL SITE, SECTION S-S'	
DATE: 12/21/2012	SHEET: 97 OF 110

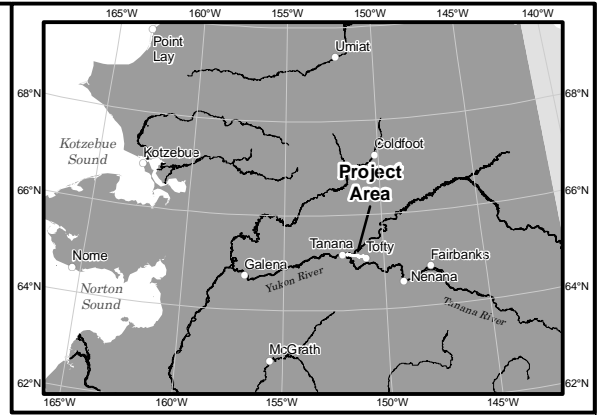
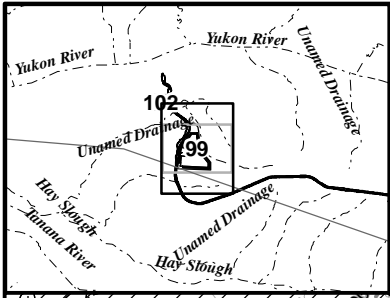
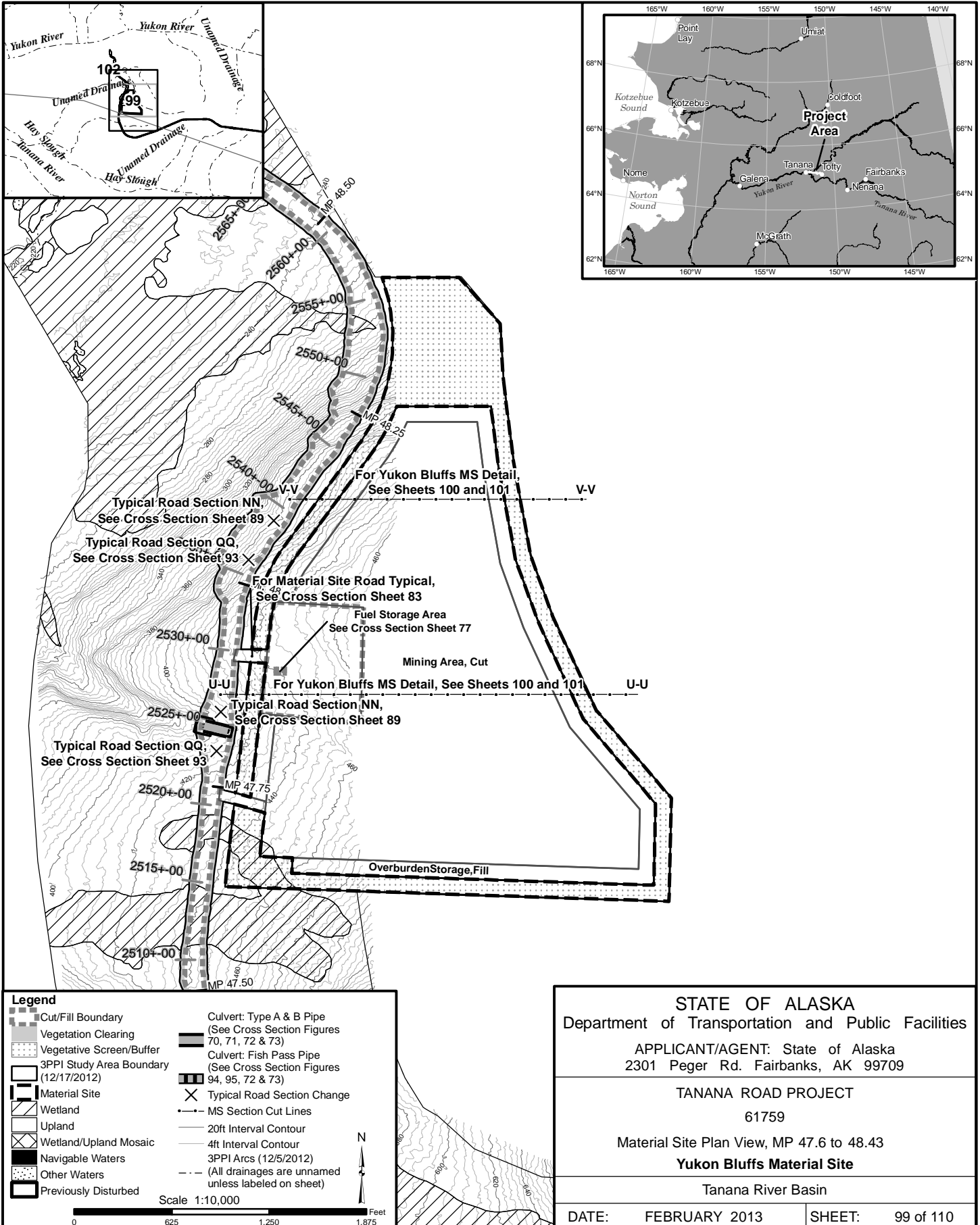
T:\Industrial Roads Project Files\Tanana Road\04\_P&S&E\DELIVERABLES TO 3PP\Deliverables\Material Site Permit Drawing-BARE ROCK (2) West, 19/Dec/12 09:45am



BARE ROCK MATERIAL SITE  
SECTION T-T'  
NOT TO SCALE

PRELIMINARY

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 BARE ROCK MATERIAL SITE, SECTION T-T'	
DATE: 12/21/2012	SHEET: 98 OF 110



Q:\Projects\280\_3PPI\tanana\_2012\Mxds\_404\RD1\_Tanana\_404\_Corps\_MS\_8x11\_1of7\_v01.mxd 02/08/13 01:14 PM

**Legend**

	Cut/Fill Boundary		Culvert: Type A & B Pipe (See Cross Section Figures 70, 71, 72 & 73)
	Vegetation Clearing		Culvert: Fish Pass Pipe (See Cross Section Figures 94, 95, 72 & 73)
	Vegetative Screen/Buffer		Typical Road Section Change
	3PPI Study Area Boundary (12/17/2012)		MS Section Cut Lines
	Material Site		20ft Interval Contour
	Wetland		4ft Interval Contour
	Upland		3PPI Arcs (12/5/2012)
	Wetland/Upland Mosaic		(All drainages are unnamed unless labeled on sheet)
	Navigable Waters		
	Other Waters		
	Previously Disturbed		

Scale 1:10,000

0 625 1,250 1,875 Feet

**STATE OF ALASKA**  
Department of Transportation and Public Facilities

APPLICANT/AGENT: State of Alaska  
2301 Peger Rd. Fairbanks, AK 99709

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**TANANA ROAD PROJECT**  
61759

Material Site Plan View, MP 47.6 to 48.43  
**Yukon Bluffs Material Site**

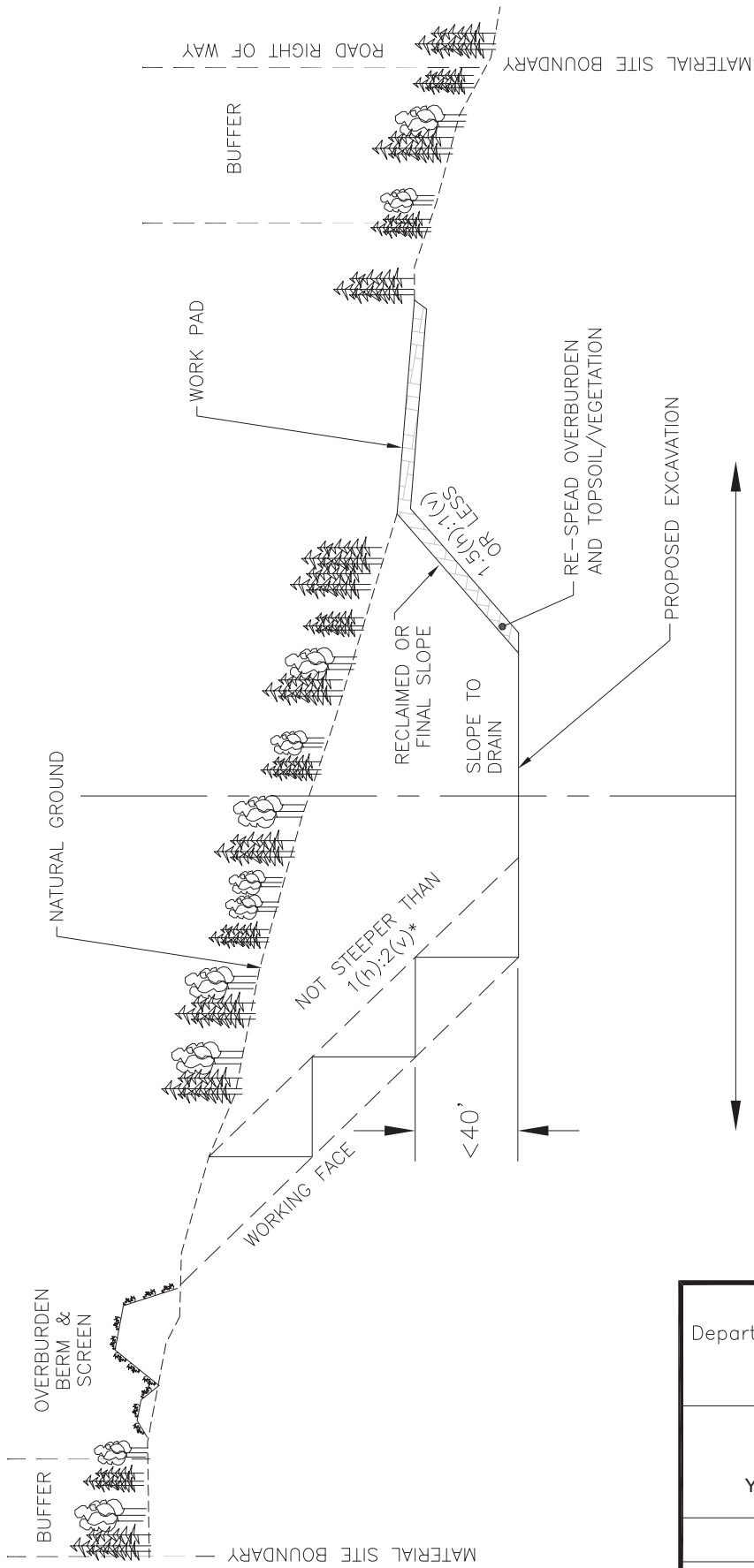
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Tanana River Basin

DATE: FEBRUARY 2013	SHEET: 99 of 110
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T:\Industrial Roads Project Files\Tanana Road\04\_P&S\DELIVERABLES TO 3PP\Deliverables\Material Site Permit Drawing-YUKON BLUFFS Wet, 19/Dec/12 09:46am



YUKON BLUFFS MATERIAL SITE  
SECTION U-U'  
NOT TO SCALE

PRELIMINARY

STATE OF ALASKA Department of Transportation and Public Facilities APPLICANT/AGENT: State of Alaska 2301 Peger Rd. Fairbanks, Ak 99709	
ROAD TO TANANA 61759 YUKON BLUFFS MATERIAL SITE, SECTION U-U'	
DATE: 12/21/2012	SHEET: 100 OF 110