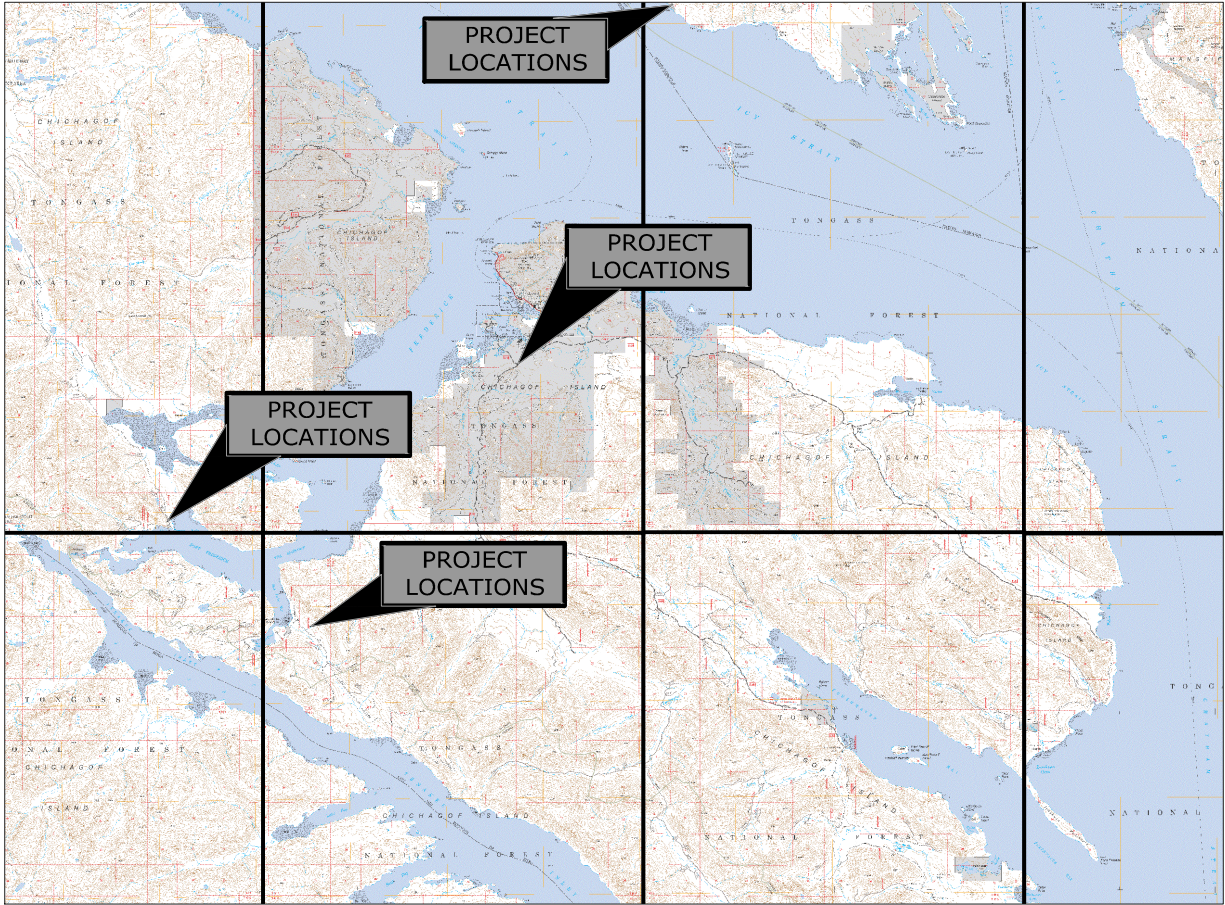


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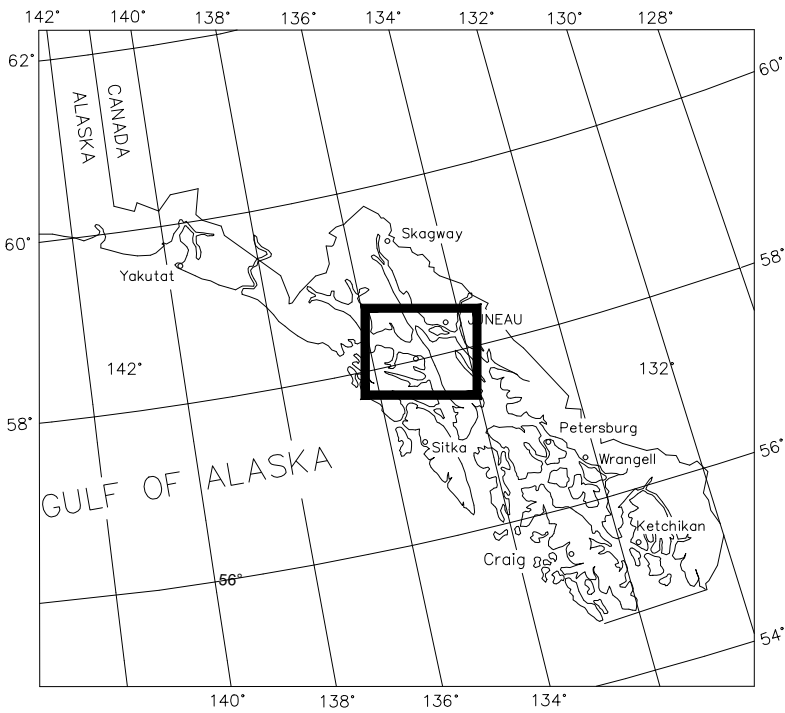
(R10) ALASKA REGION
TONGASS NATIONAL FOREST

HOONAH & JUNEAU RANGER DISTRICT
ALASKA

HOONAH RANGER DISTRICT AND JUNEAU
RANGER DISTRICT ROAD MAINTENANCE



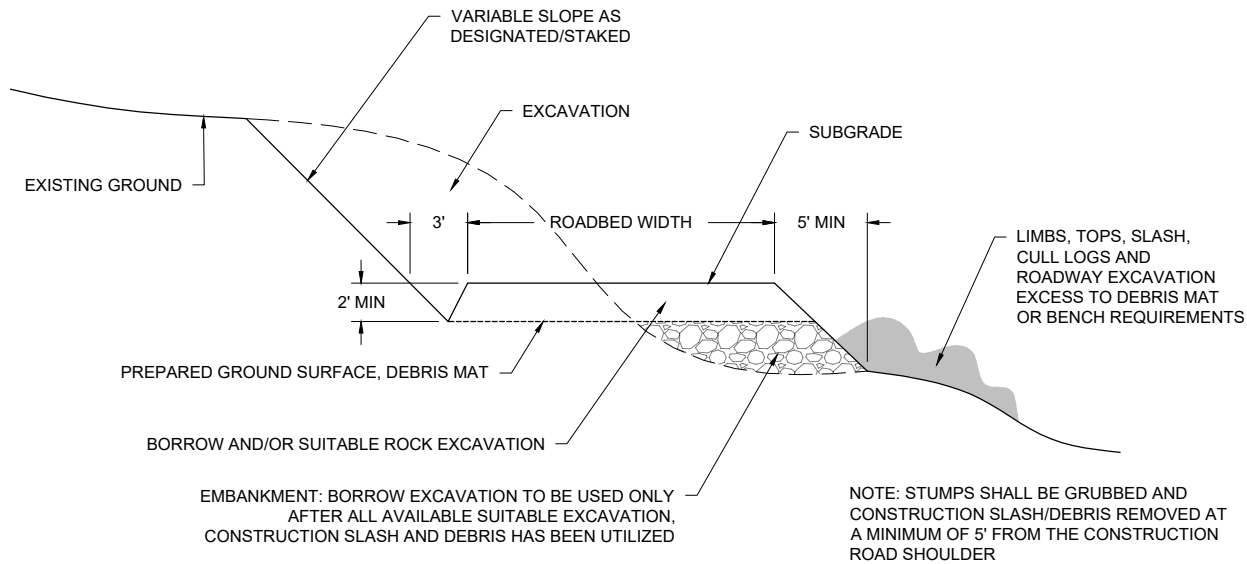
PROJECT LOCATION



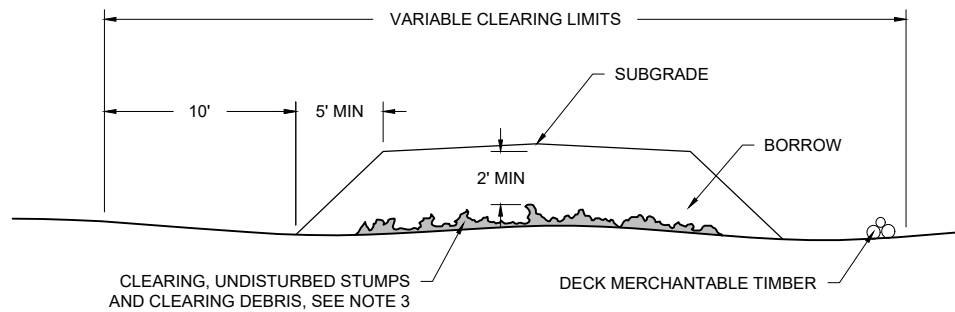
VICINITY MAP

INDEX OF SHEETS		
SHEET	SHEET TITLE	DATE
01	COVER SHEET	4/4/2023
02	TYPICAL CROSS SECTION	4/4/2023
03	OVERLAY & ROAD SHAPE	4/4/2023
04	BRUSHING	4/4/2023

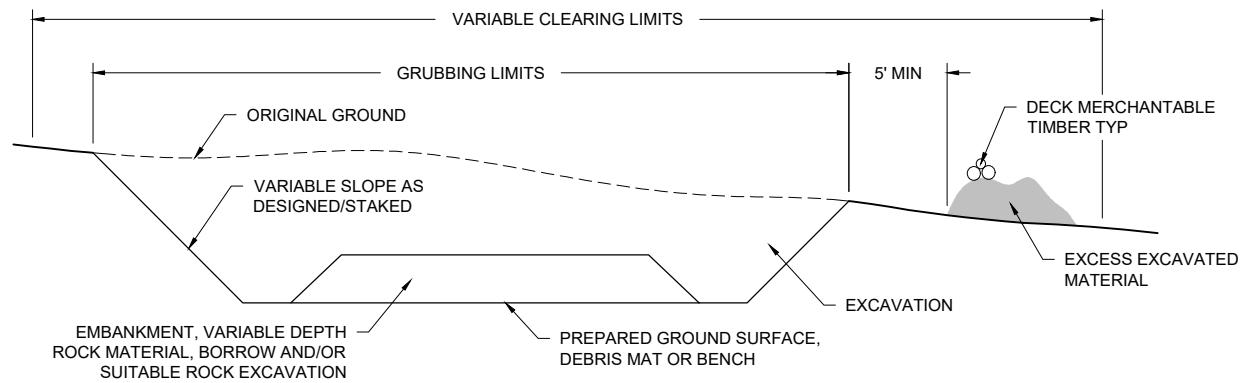
7/19/23 10:38 SHANEMCCARTHY C:\USERS\SHANEMCCARTHY\DOCUMENTS\2023\HOONAH\HRD & JRD ROAD MAINTENANCE\R10 TONGASS - STANDARD ROADS DRAWINGS REV0.DWG;



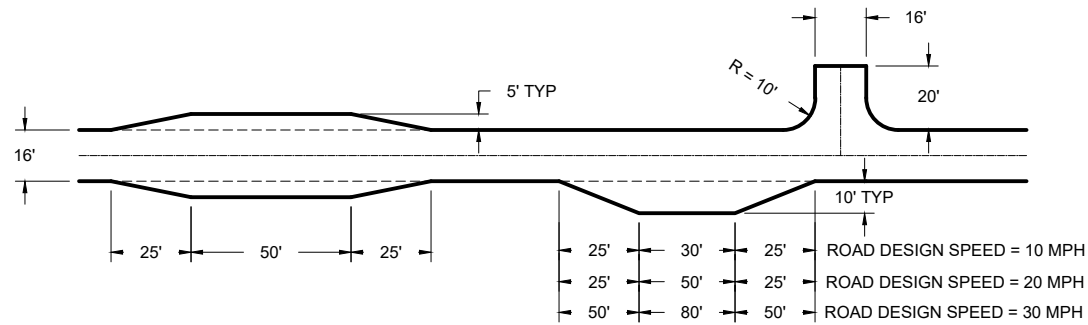
TYPICAL SIDEHILL SECTION



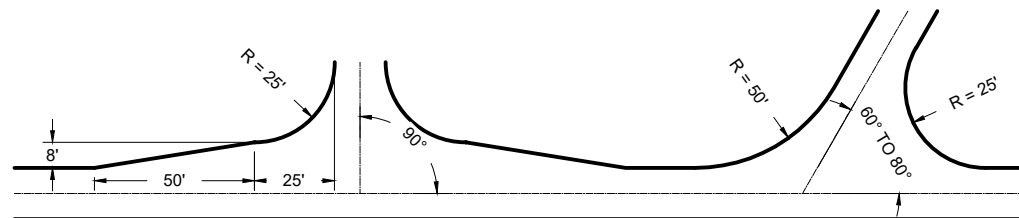
TYPICAL OVERLAY SECTION



TYPICAL THROUGH CUT SECTION



TURNOUT/PULLOUT DETAILS



INTERSECTION DETAILS



United States Department of Agriculture
Forest Service

**R10
ALASKA REGION**

PROJECT NAME

**JRD & HRD ROAD
MAINTENANCE**

**TONGASS NATIONAL
FOREST**

**HOONAH & JUNEAU RANGER
DISTRICT**

DRAWING TITLE

**TYPICAL
CROSS-SECTION**

DATE

XX/XX/XXXX

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

TNF

DRAWN

K. CHERRY

CHECKED

TNF ENG

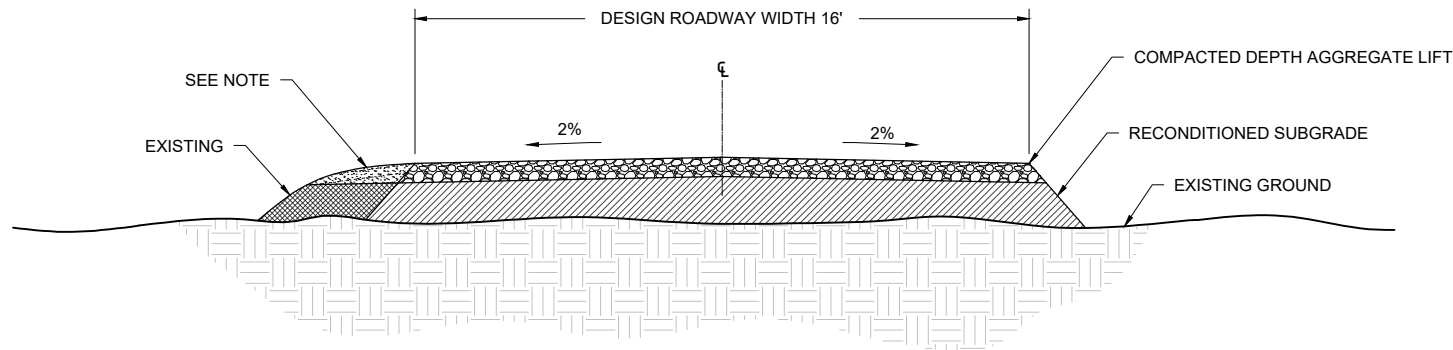
PROJECT NO.

DWG SHEET NO.

02

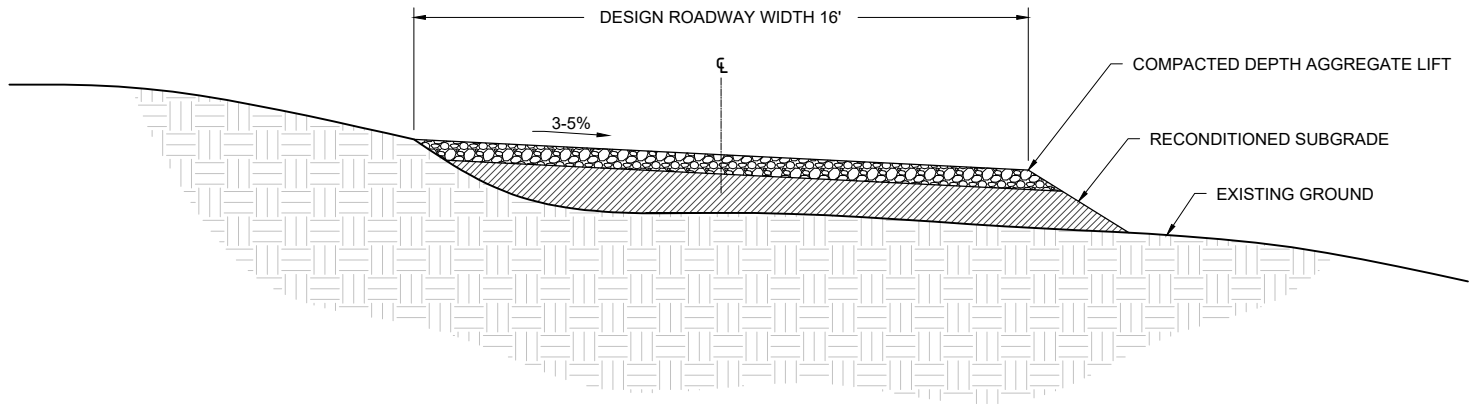
SHEET **02** OF **04**

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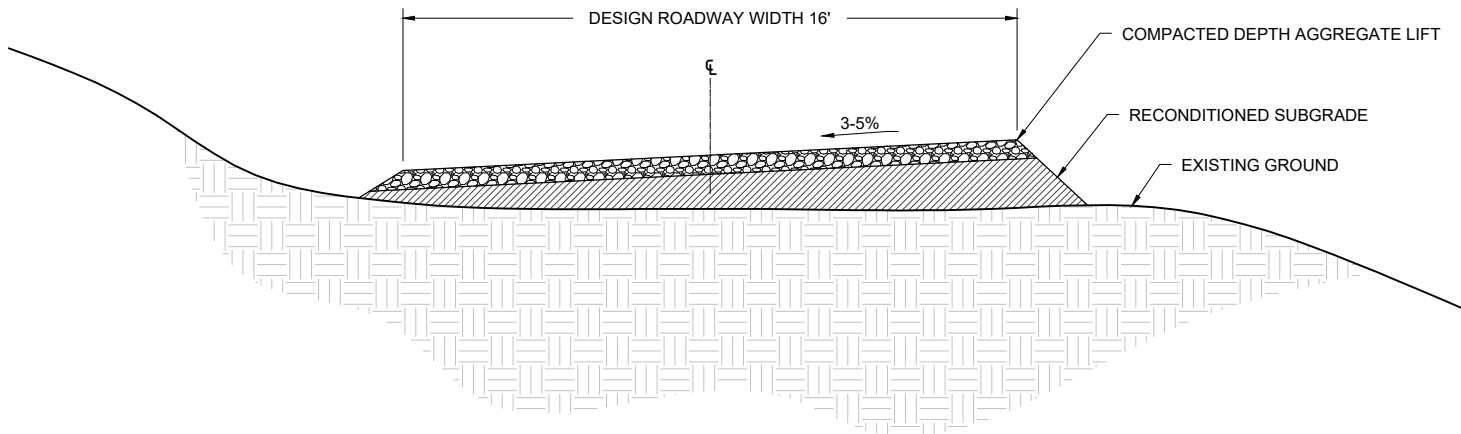
TYPICAL OVERLAY SECTION - CROWNED

NOTE: IN THOSE AREAS WHERE THE EXISTING ROAD, AFTER RECONDITIONING IS WIDER THAN THE DESIGNED WIDTH OF AGGREGATE, CENTER THE LIFT OF AGGREGATE ON ROAD SURFACE AND FEATHER TO EXISTING SHOULDERS. WHEN PLACING THE ADDITIONAL XXXX WIDTH OF AGGREGATE IN TURNOUT AREAS AND SECTIONS REQUIRING CURVE WIDENING, PLACE ADJACENT TO CENTERLINE LIFT AND COMPACT TOGETHER.



OUTSLOPED SECTION

NOTE: OUTSLOPED ROADS SHOULD BE USED WHEN ROAD GRADES ARE GENTLE TO MODERATE (0% TO 8%) AND WHERE CUTSLOPES ARE DRY. OUTSLOPED ROADS SHOULD BE CONSTRUCTED WITH ROLLING DIPS FOR DRAINAGE. THERE SHOULD BE NO DITCH ON THE INBOARD SIDE OF THE OUTSLOPED ROAD.



INSLOPED SECTION

NOTE: INSLOPED ROADS SHOULD BE USED WHEN ROAD GRADES ARE MODERATE TO STEEP (6% AND UP) AND WHERE TERRAIN MAY BE STEEP OR SLIPPERY. INSLOPED ROADS ARE ALSO IDEAL FOR HIGHLY ERODIBLE AREAS. EXTRA ATTENTION SHOULD BE PAID TO ESTABLISHING DITCHES AND DRAINAGE FOR INSLOPED ROADS.



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R10
ALASKA REGION

PROJECT NAME

**HRD & JRD ROAD
MAINTENANCE**

**TONGASS NATIONAL
FOREST**

**HOONAH & JUNEAU RANGER
DISTRICT**

DRAWING TITLE

**OVERLAY
&
ROAD SHAPE**

DATE

XX/XX/XXXX

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

TNF

DRAWN

K. CHERRY

CHECKED

TNF ENG

PROJECT NO.

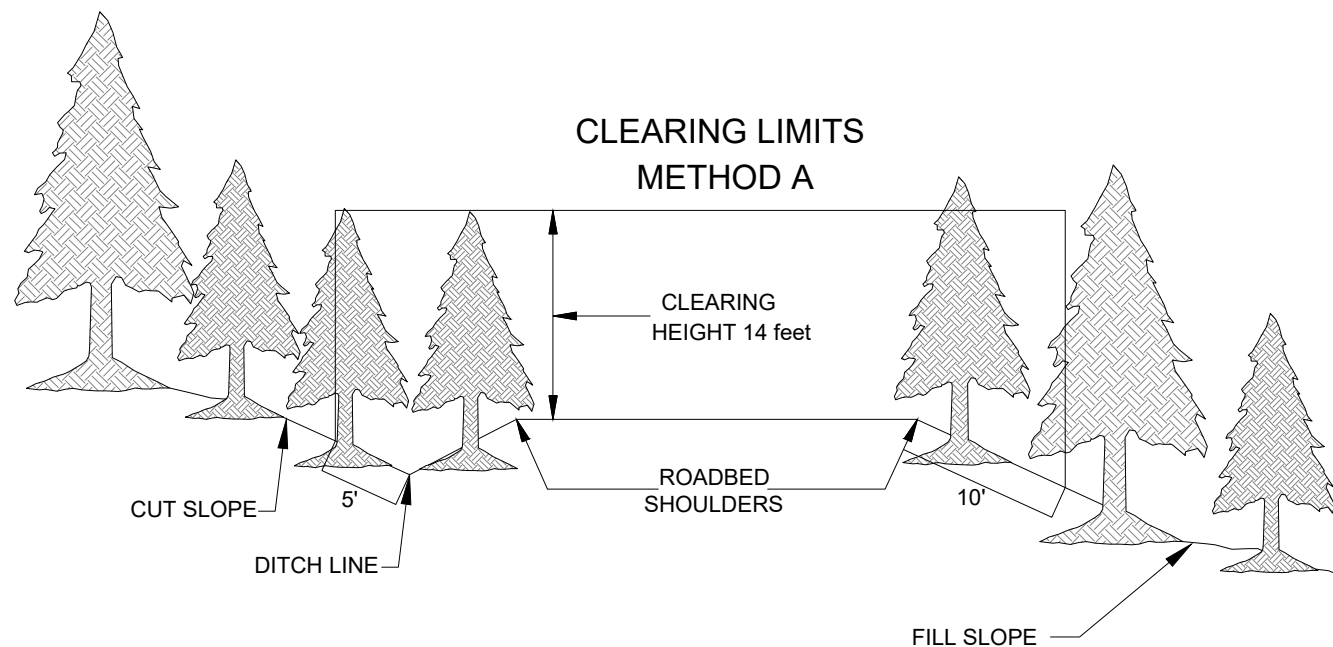
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03

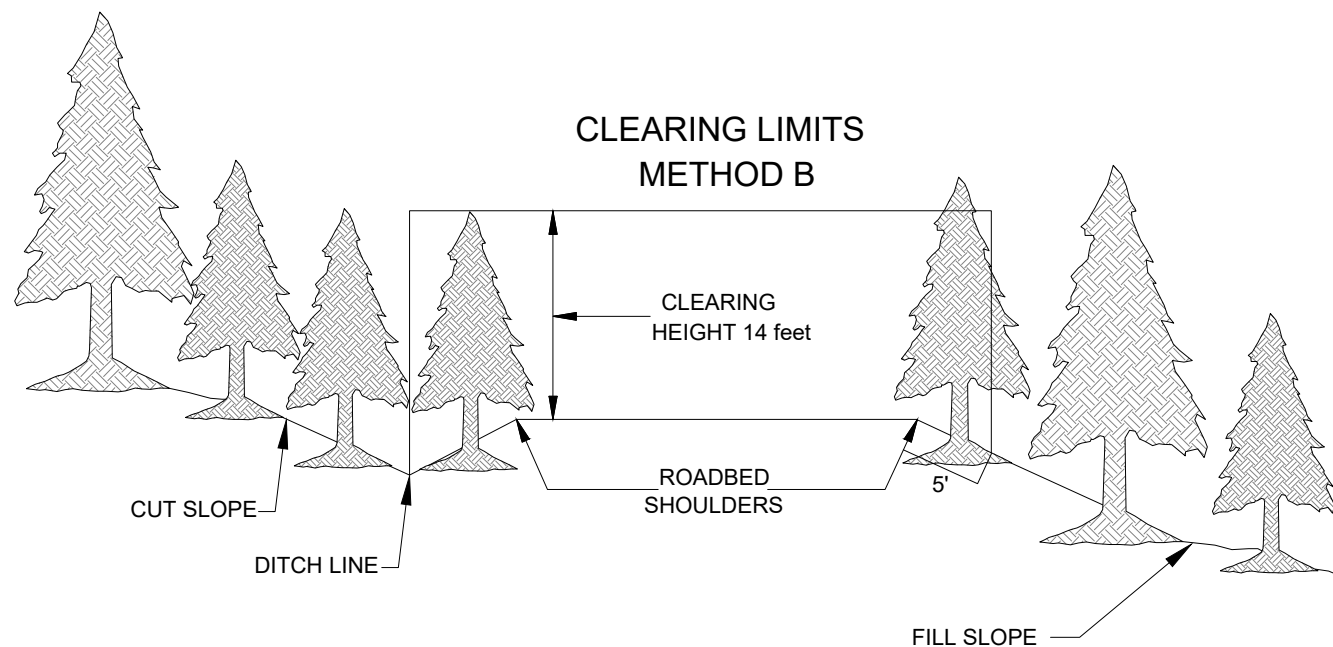
SHEET **03** OF **04**

7/18/23 16:54 SHANEMCCARTHY C:\USERS\SHANEMCCARTHY\DOCUMENTS\2023\HOONAH\HRD & JRD ROAD MAINTENANCE\R10 TONGASS - BRUSHING.DWG;

METHOD A TREATMENT AREA: FROM 5' SLOPE DISTANCE BEYOND TOE OF DITCH TO 10' SLOPE DISTANCE ON FILL SLOPE



METHOD B TREATMENT AREA: FROM TOE TO DITCH TO 5' SLOPE DISTANCE ON FILL SLOPE



General Notes:

1. Cut all brush within treatment area which is less than or equal to 6 inches in diameter measured 6 inches above the ground.
2. For Method A, cut brush back 5' slope distance beyond bottom of ditch or 15' slope distance from road shoulder, whichever is less, and 10' slope distance beyond the edge of road shoulder on fill slope.
3. For Method B, cut all brush within 5' of culvert inlets.
4. Cut brush to provide overhead clearance of 14 feet on road surface.
5. Remove debris from road surface, ditches, and cut slope above road. Scatter to fill slopes below road, no debris piles allowed at culvert outlets.
6. Clear ditches of woody debris. Clean culvert inlets and outlets of debris a minimum of 2 culvert diameters.
7. Cut brush to provide sufficient site distance on the inside of sharp curves to eliminate blind corners and intersections.



United States Department of Agriculture
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R10
ALASKA REGION

PROJECT NAME

HRD & JRD ROAD
MAINTENANCE

TONGASS NATIONAL
FOREST

HOONAH & JUNEAU RANGER
DISTRICT

DRAWING TITLE

ROADSIDE BRUSHING

DATE

11/9/2018

ARCHIVE NO.

FS090523_R102013_L1-002.dwg

DESIGNER

R. SCHMOHL

DRAWN

K. CHERRY

CHECKED

R. BERRY

PROJECT NO.

DWG SHEET NO.

04

SHEET 04 OF 04