

# RIO GRANDE NATIONAL FOREST

U.S. Department of Agriculture  
Forest Service  
Rocky Mountain Region

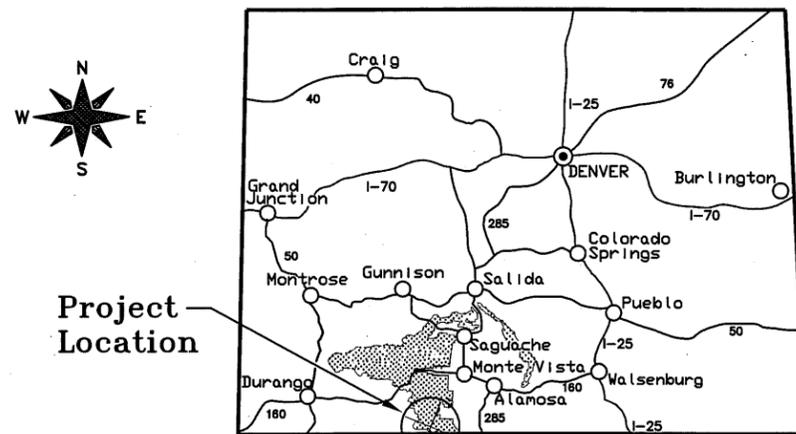
## RENDEZVOUS BEETLE SALVAGE TIMBER SALE ROAD RECONSTRUCTION

CONEJOS PEAK RANGER DISTRICT

Conejos County, Colorado

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LEGEND  
 RIO GRANDE NATIONAL FOREST

COLORADO STATE LOCATION MAP  
NOT TO SCALE

Designed by:  
  
 Signature

Engineering Technician  
Title

July 20, 2015  
Date

The design and review of this project has been accomplished by qualified personnel and the design is consistent with current policy and direction.

Signature

Forest Engineer  
Title

7-20-15  
Date

The design objectives have been accomplished, the project will serve intended uses, all appropriate NEPA requirements have been met, and the design is consistent with approved resource planning documents and is in the program of work.

Signature

District Ranger  
Title

7/21/15  
Date

Approved by:  
  
Signature

Forest Supervisor  
Title

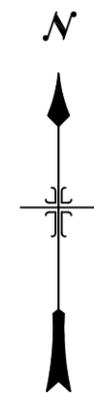
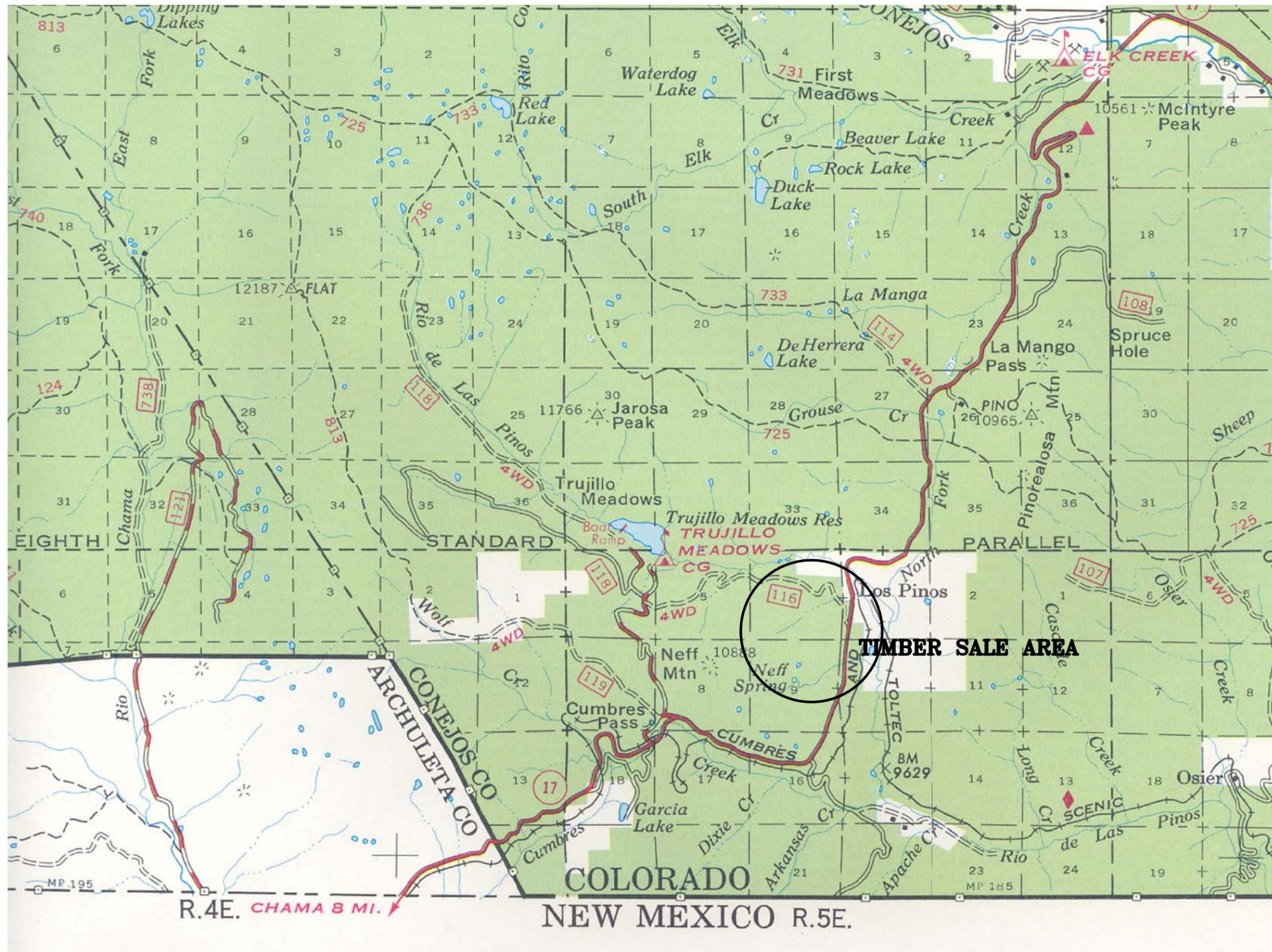
07/21/2015  
Date

U.S. DEPARTMENT OF AGRICULTURE  
  
 FOREST SERVICE  
 ROCKY MOUNTAIN REGION

Drawn G.B.Frink  
 Design G.B.Frink  
 Checked \_\_\_\_\_  
 Reviewed \_\_\_\_\_

Forest  
**RIO GRANDE NATIONAL FOREST**  
 Project Name  
**Rendezvous Beetle Salvage TS  
 Road Reconstruction**

Sheet Title  
**TITLE SHEET**  
 Scale **NONE** Sheet **1**  
 of **18**

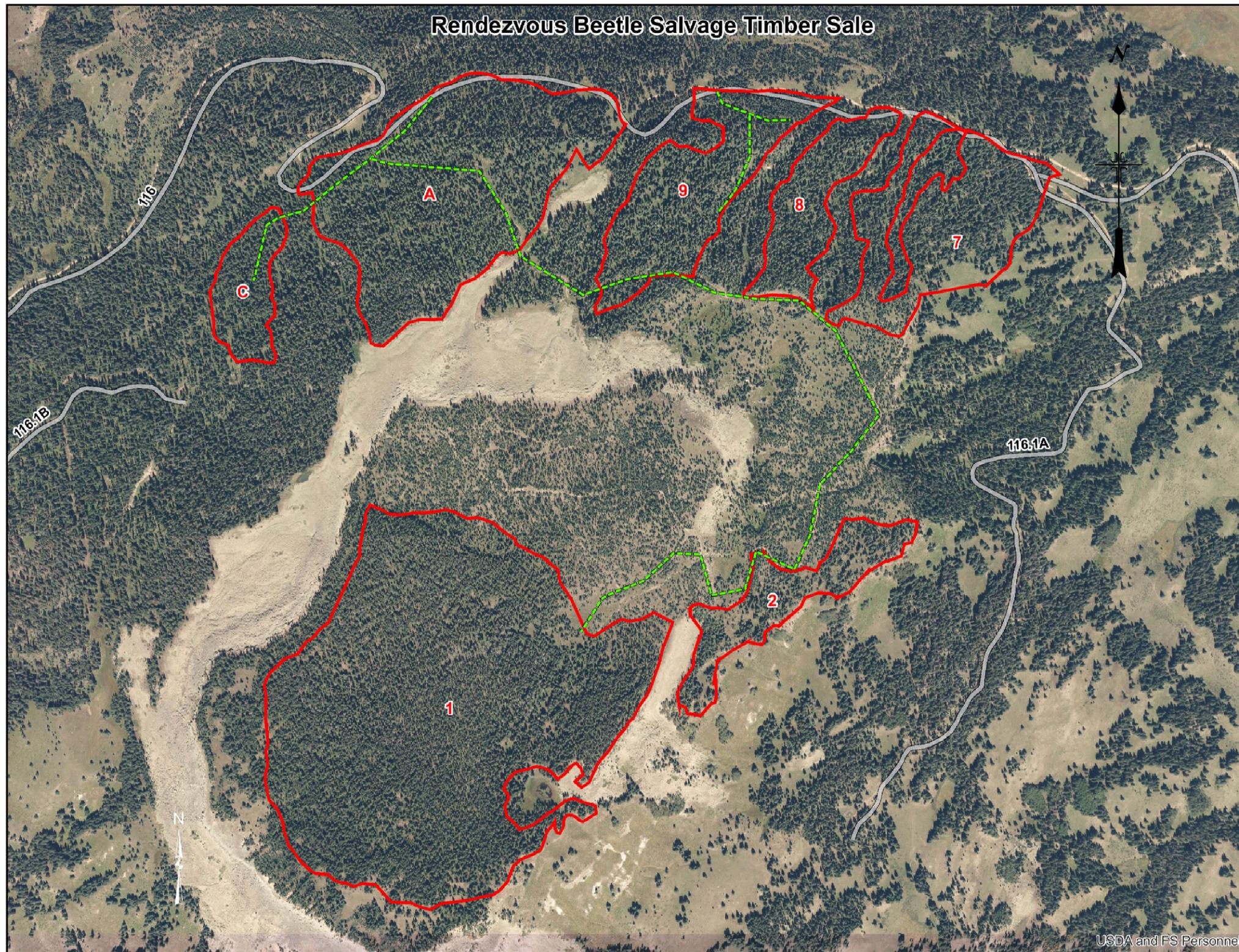


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 FOREST SERVICE  
 ROCKY MOUNTAIN REGION

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 Design          G.B.Frink  
 Checked           
 Reviewed         

Forest  
**RIO GRANDE NATIONAL FOREST**  
 Project Name  
**Rendezvous Beetle Salvage TS  
 Road Reconstruction**

Sheet Title <b>LOCATION MAP</b>	
Scale <b>NONE</b>	Sheet 2 of 18



TO HIGHWAY 17

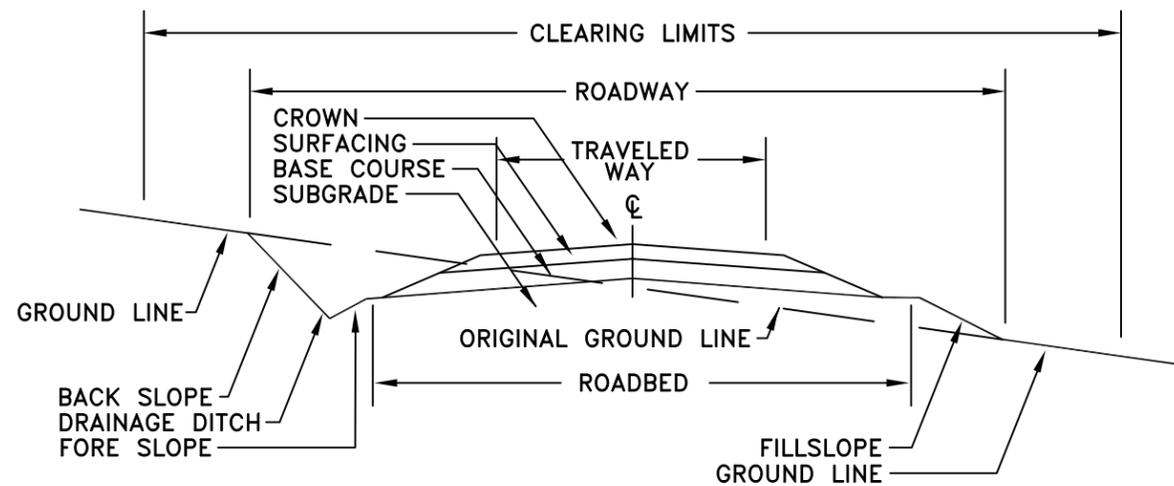
USDA and FS Personnel

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 FOREST SERVICE  
 ROCKY MOUNTAIN REGION

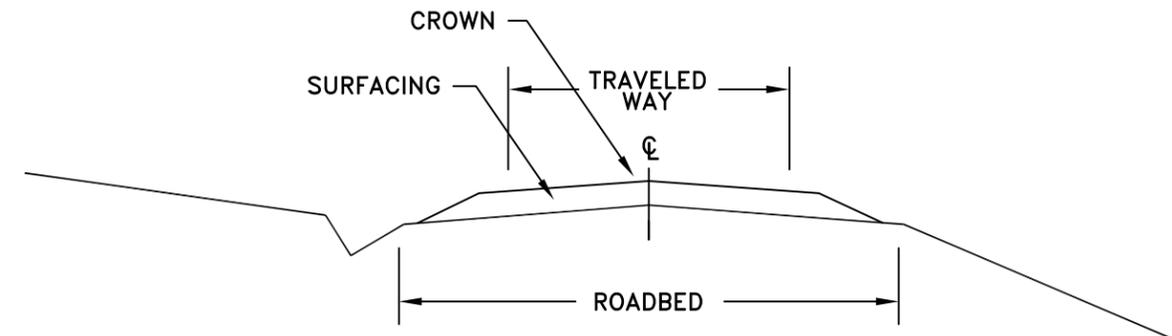
Drawn     G.B.Frink      
 Design     G.B.Frink      
 Checked                       
 Reviewed                     

Forest  
**RIO GRANDE NATIONAL FOREST**  
 Project Name  
**Rendezvous Beetle Salvage TS  
 Road Reconstruction**

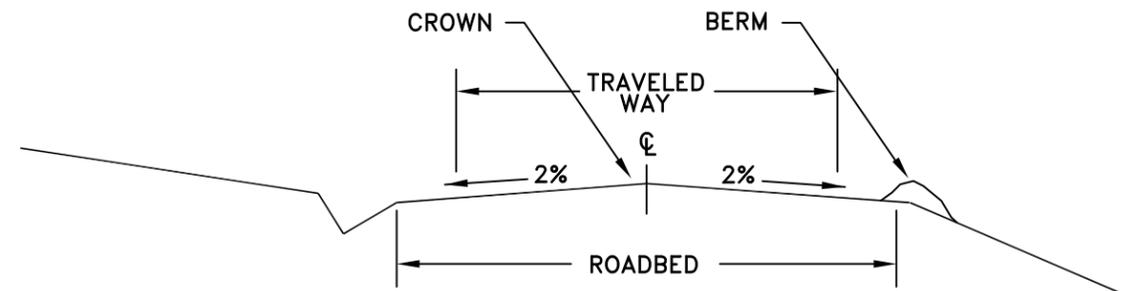
Sheet Title <b>VICINITY MAP</b>	
Scale <b>NONE</b>	Sheet <b>3</b> of <b>18</b>



**ROAD STRUCTURE DETAILS**  
NOT TO SCALE



**AGGREGATE SURFACING SECTION**  
NOT TO SCALE



**NATIVE MATERIAL SECTION**  
NOT TO SCALE

**NOTES:**

1. THIS IS A CONCEPTUAL DRAWING FOR A CROWNED ROADWAY WITH DITCH.
2. TEMPLATE SHAPE AND DIMENSIONS WILL VARY WITH LOCAL CONDITIONS.

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FOREST SERVICE  
ROCKY MOUNTAIN REGION

Drawn G.B.Frink  
Design G.B.Frink  
Checked \_\_\_\_\_  
Reviewed \_\_\_\_\_

Forest  
**RIO GRANDE NATIONAL FOREST**  
Project Name  
**Rendezvous Beetle Salvage TS  
Road Reconstruction**

Sheet Title  
**ILLUSTRATION OF TERMS**  
Scale  
**NONE**  
Sheet **4**  
of **18**

NOTES:

1. STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, HEREINAFTER REFERRED TO AS FP-03 (U.S. CUSTOMARY UNITS), AND FOREST SERVICE SUPPLEMENTAL SPECIFICATIONS (FSSS) WILL BE USED.
2. PURCHASER SHALL BE RESPONSIBLE FOR FURNISHING, ERECTING, AND MAINTAINING CONSTRUCTION SIGNS FOR TRAFFIC CONTROL WHICH SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
3. MOBILIZATION IS INCIDENTAL TO OTHER ITEMS AND ALL ASSOCIATED COSTS ARE INCLUDED IN THE ITEM COSTS SHOWN.
4. EXISTING DITCHES SHALL BE CLEANED OR PULLED TO ALLOW FREE DRAINAGE. ADDITIONAL DITCHES SHALL BE CONSTRUCTED AS DIRECTED BY THIS CONTRACT. THEY SHALL BE A MINIMUM OF 15 INCHES IN DEPTH, SHALL BE FREE FLOWING, AND SHALL DRAIN THROUGH CONSTRUCTED CROSS-ROAD DRAINAGE STRUCTURES.
5. CLEARING REQUIRED FOR INSTALLATION OR MAINTENANCE OF OUTLET DITCHES, DRAINAGE STRUCTURES, AND CULVERT INSTALLATIONS IS INCIDENTAL TO THAT WORK REQUIREMENT.
6. SUBMIT A SOIL EROSION AND POLLUTION PLAN FOR APPROVAL. WATER, EROSION, AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO BEGINNING EARTH DISTURBING ACTIVITIES. THIS WORK IS INCIDENTAL TO THE OTHER WORK ITEMS.

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FOREST SERVICE  
ROCKY MOUNTAIN REGION

Drawn G.B.Frink

Design G.B.Frink

Checked \_\_\_\_\_

Reviewed \_\_\_\_\_

Forest

**RIO GRANDE NATIONAL FOREST**

Project Name

**Rendezvous Beetle Salvage TS  
Road Reconstruction**

Sheet Title

**GENERAL NOTES**

Scale

**NONE**

Sheet

**5**

of

**18**





**R11-2**  
48" x 30" MIN.



**LW21-15**  
30" x 30" MIN.



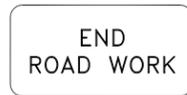
**W3-4**  
30" x 30" MIN.



**FW20-1-30**  
30" x 30" MIN.



**W23-1**  
48" x 24" MIN.



**G20-2**  
36" x 18" MIN.



**W20-2d**  
24" x 24" MIN.



**W20-2**  
24" x 24" MIN.



**M4-10**  
48" x 18"  
RIGHT OR LEFT



**FW-22-1-30**  
30" x 30" MIN.



**FW22-2-30**  
36" x 30" MIN.



**FW-22-3-30**  
36" x 30" MIN.



**W21-1a**  
30" x 30" MIN.



**W21-7a**  
30" x 30" MIN.



**W8-8**  
24" x 24" MIN.



**W5-3**  
24" x 24" MIN.



**W8-6**  
24" x 24" MIN.



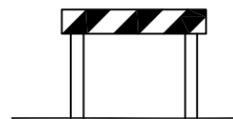
**W8-7**  
24" x 24" MIN.



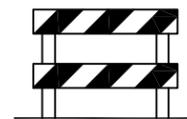
**W21-2**  
24" x 24" MIN.

NOTES:

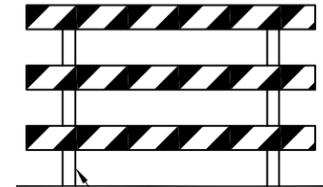
1. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSTRUCTED, LOCATED, INSTALLED, AND MAINTAINED ACCORDING TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), LATEST EDITION, PARTS 1, 5, AND 6.
2. SIGNS SHALL BE MADE FROM SUITABLE MATERIALS WHICH ARE IN ACCORDANCE WITH ALL STATE AND FEDERAL SPECIFICATIONS.
3. SIGNS SHALL BE LOCATED WHERE THEY WILL BE CONSPICUOUSLY VISIBLE ON THE RIGHT SIDE OF THE ROADWAY FACING APPROACHING TRAFFIC.
4. WHEN A SIGN IS REQUIRED FOR AN EXTENDED PERIOD, IT SHALL BE FASTENED TO 4 X 4 INCH WOODEN, U-CHANNEL, OR POS-LOCK POST. PORTABLE SUPPORTS ARE PERMITTED FOR SHORT PERIODS PROVIDED THAT THEY CANNOT READILY BE OVER-TURNED AND THAT THE BASE OF THE SIGN IS A MINIMUM OF ONE FOOT ABOVE THE ROAD SURFACE.
5. CONSTRUCTION WARNING SIGNS SHALL BE PLACED ON ALL MAJOR INTERSECTIONS ACCESSING THE WORK AREA AS DIRECTED BY THE CONTRACTING OFFICER.
6. SELECTION AND PLACEMENT OF ALL SIGNS SHALL BE SUBJECT TO APPROVAL OF THE CONTRACTING OFFICER. SIGNS OTHER THAN THOSE PICTURED MAY BE USED PROVIDED THEY ARE IN CONFORMANCE WITH MUTCD STANDARDS AND APPROVED IN WRITING BY THE CONTRACTING OFFICER.
7. IF REQUIRED BY THE CONTRACTING OFFICER, LIGHTING DEVICES SUCH AS FLASHERS, TORCHES, LANTERNS, AND ELECTRIC LIGHTS SHALL BE PLACED AND MAINTAINED FROM SUNSET TO SUNRISE AT POINTS OF HAZARD.
8. ALL SIGNS ARE TEMPORARY UNLESS SHOWN ON THE SCHEDULE OF ITEMS. THE INSTALLATION OF CONSTRUCTION SIGNS IS INCIDENTAL TO OTHER WORK ITEMS.
9. BARRICADES SHALL BE PLACED AT UNCOMPLETED CONSTRUCTION SITES WHEN NO CONSTRUCTION ACTIVITIES ARE IN PROGRESS AS DIRECTED BY THE CONTRACTING OFFICER.



TYPE I BARRICADE

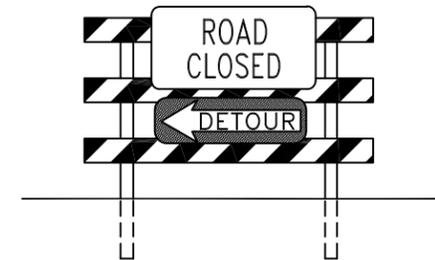
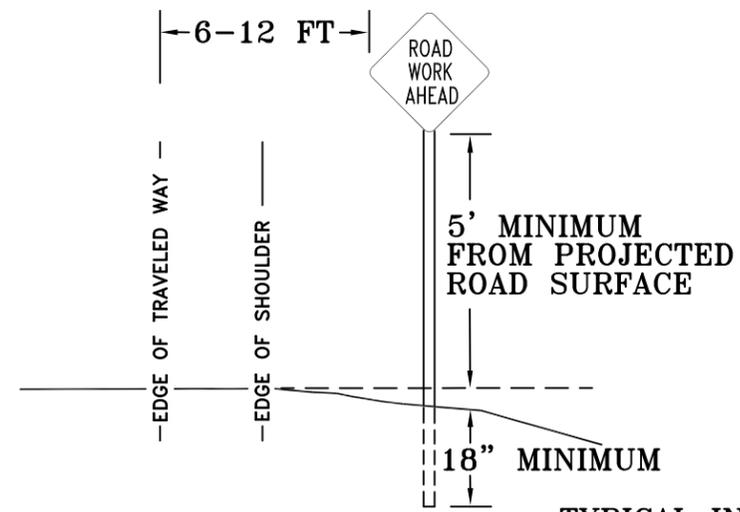


TYPE II BARRICADE



TYPE III BARRICADE

NOTE: STRIPES ARE ALTERNATING ORANGE AND WHITE



TYPICAL INSTALLATIONS

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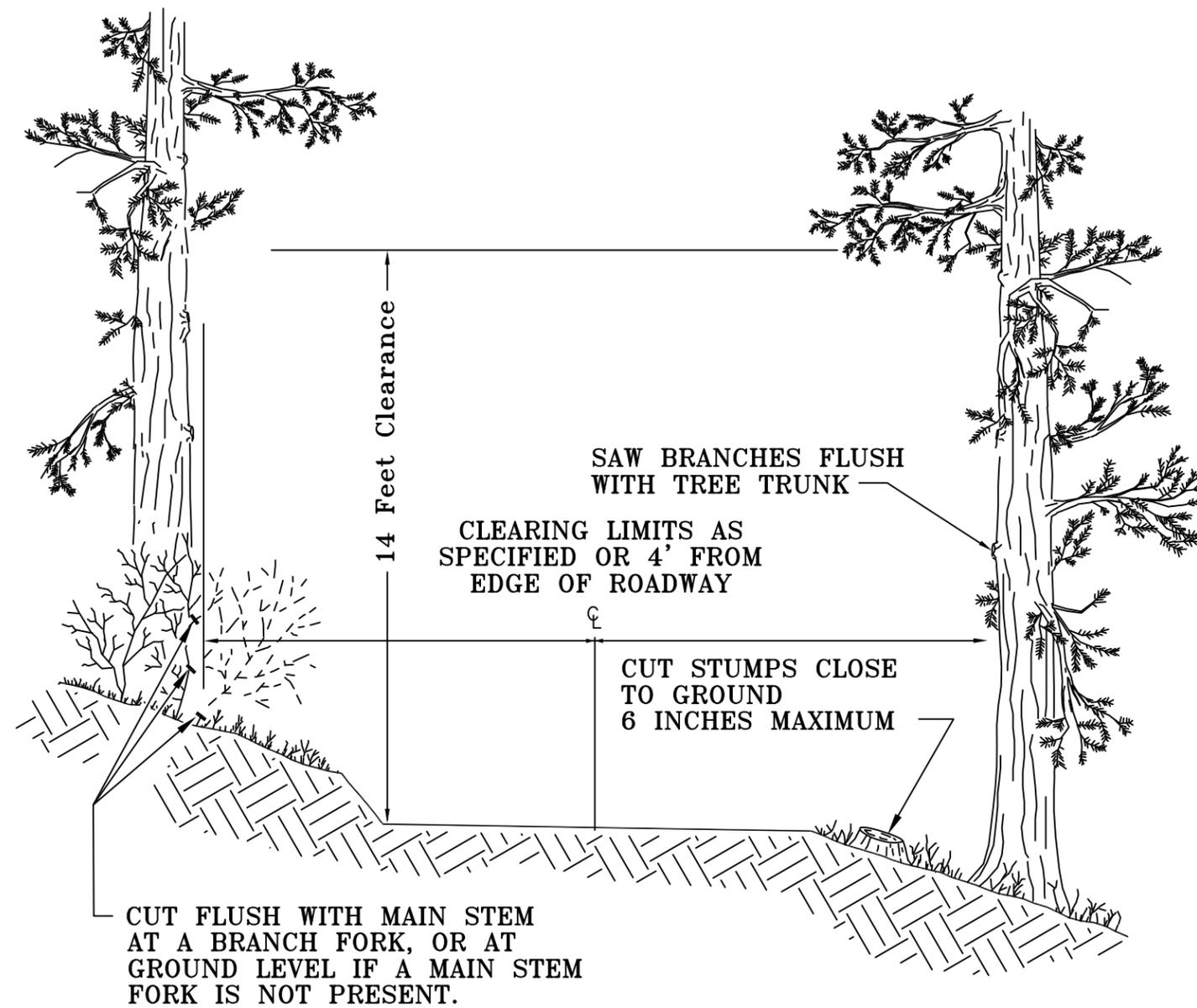


FOREST SERVICE  
ROCKY MOUNTAIN REGION

Drawn G.B.Frink  
 Design G.B.Frink  
 Checked \_\_\_\_\_  
 Reviewed \_\_\_\_\_

Forest  
**RIO GRANDE NATIONAL FOREST**  
 Project Name  
**Rendezvous Beetle Salvage TS**  
**Road Reconstruction**

Sheet Title  
**CONSTRUCTION SIGNS**  
 Scale **NONE**  
 Sheet **7**  
 of **18**



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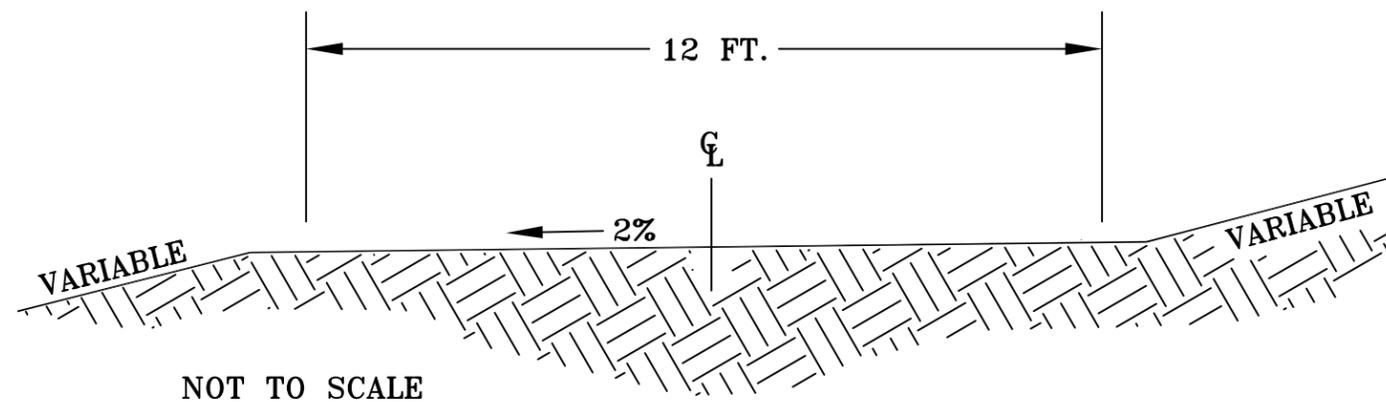
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ROCKY MOUNTAIN REGION

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Design G.B.Frink  
Checked \_\_\_\_\_  
Reviewed \_\_\_\_\_

Forest  
**RIO GRANDE NATIONAL FOREST**  
Project Name  
**Rendezvous Beetle Salvage TS  
Road Reconstruction**

Sheet Title <b>Clearing</b>	
Scale <b>NONE</b>	Sheet <b>8</b> of <b>18</b>

## TYPICAL SECTION WITHOUT DITCH



### MINIMUM LANE WIDTH W/ CURVE WIDENING

CURVE RADIUS (FT.)	MINIMUM LANE WIDTH (FT)
50	19
60	18
70	17
80	17
100	16
125	15
150	14

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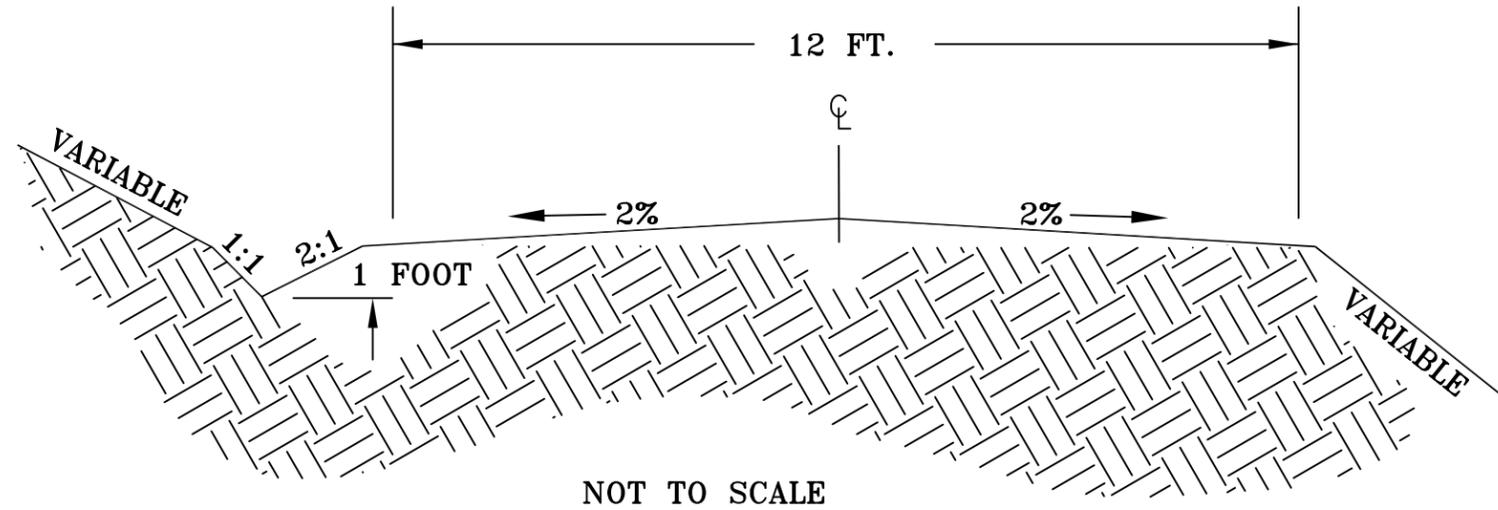
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ROCKY MOUNTAIN REGION

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 Design           G.B.Frink            
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**RIO GRANDE NATIONAL FOREST**  
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**Rendezvous Beetle Salvage TS  
 Road Reconstruction**

Sheet Title  
**TYPICAL SECTION ONE**  
 Scale **NONE** Sheet **9**  
 of **18**

# TYPICAL SECTION WITH DITCH



THIS WORK CONSISTS OF FURNISHING AND PLACING THE REQUIRED SEED MIX ON DISTURBED AREAS AS DIRECTED BY THE CO. THE WORK SHALL CONSIST OF BROADCASTING THE PRESCRIBED SEED MIX WITHIN 14 DAYS OF THE COMPLETION DATE OF WORK ON THAT SECTION.

USE HAND-OPERATED SEEDING DEVICES, OR OTHER DEVICES APPROVED BY THE GOVERNMENT, TO APPLY SEED.

FURNISH WEED-FREE SEED SEPARATELY OR IN MIXTURE IN STANDARD CONTAINERS WITH (1) SEED NAME (2) LOT NUMBER (3) NET WEIGHT (4) PERCENTAGES OF PURITY AND OF GERMINATION (5) PERCENTAGE OF MAXIMUM WEED SEED CONTENT CLEARLY MARKED FOR EACH KIND OF SEED, AND (6) CERTIFICATION THAT THE SEED LOT MEETS APPLICABLE STATE AND FEDERAL LAWS WITH REGARD TO PROHIBITED AND RESTRICTED NOXIOUS WEEDS CLEARLY MARKED FOR EACH KIND OF SEED. FURNISH THE GOVERNMENT DUPLICATE SIGNED COPIES OF THE CERTIFICATE SIGNED BY A REGISTERED SEED TECHNOLOGIST OR SEED ANALYST CERTIFYING THAT EACH LOT OF SEED HAS BEEN TESTED IN ACCORDANCE WITH THE ASSOCIATION OF OFFICIAL SEED ANALYSTS STANDARDS WITHIN 12 MONTHS PRIOR TO THE DATE OF APPLICATION.

THE FOLLOWING SEED MIX SHALL BE BROADCAST OVER WASTE AREAS AND DISTURBED SITES AS DIRECTED BY THE CO:

RECOMMENDED VARIETY	PERCENT MIX	PURE LIVE SEED LBS/ACRE
SAN LUIS SLENDER WHEATGRASS	40	5.2
SODAR STREAMBANK WHEATGRASS	30	3.4
MOUNTAIN BROME, BROMAR	30	8.2
	TOTAL	16.8

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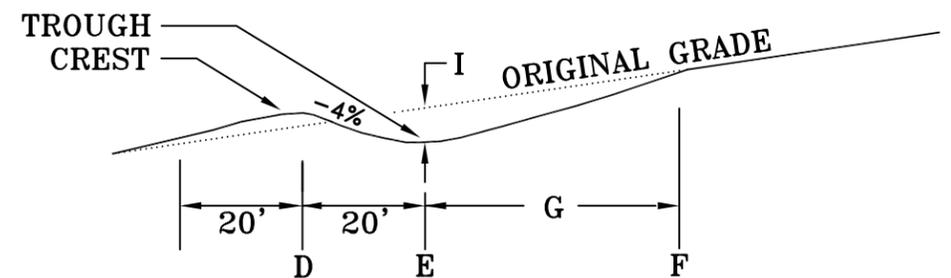
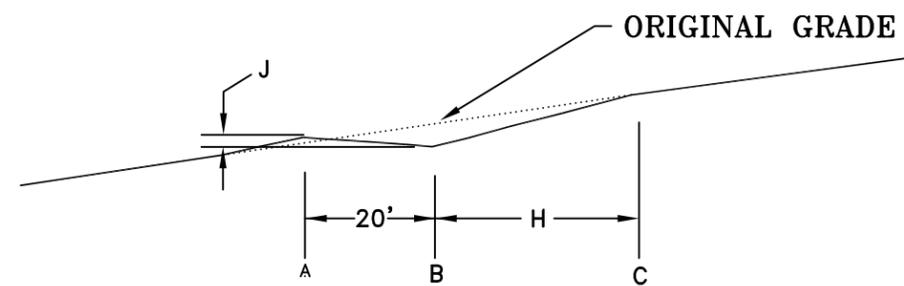
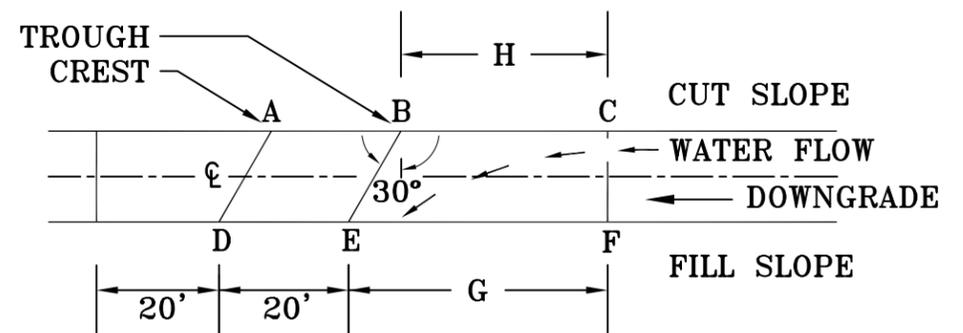
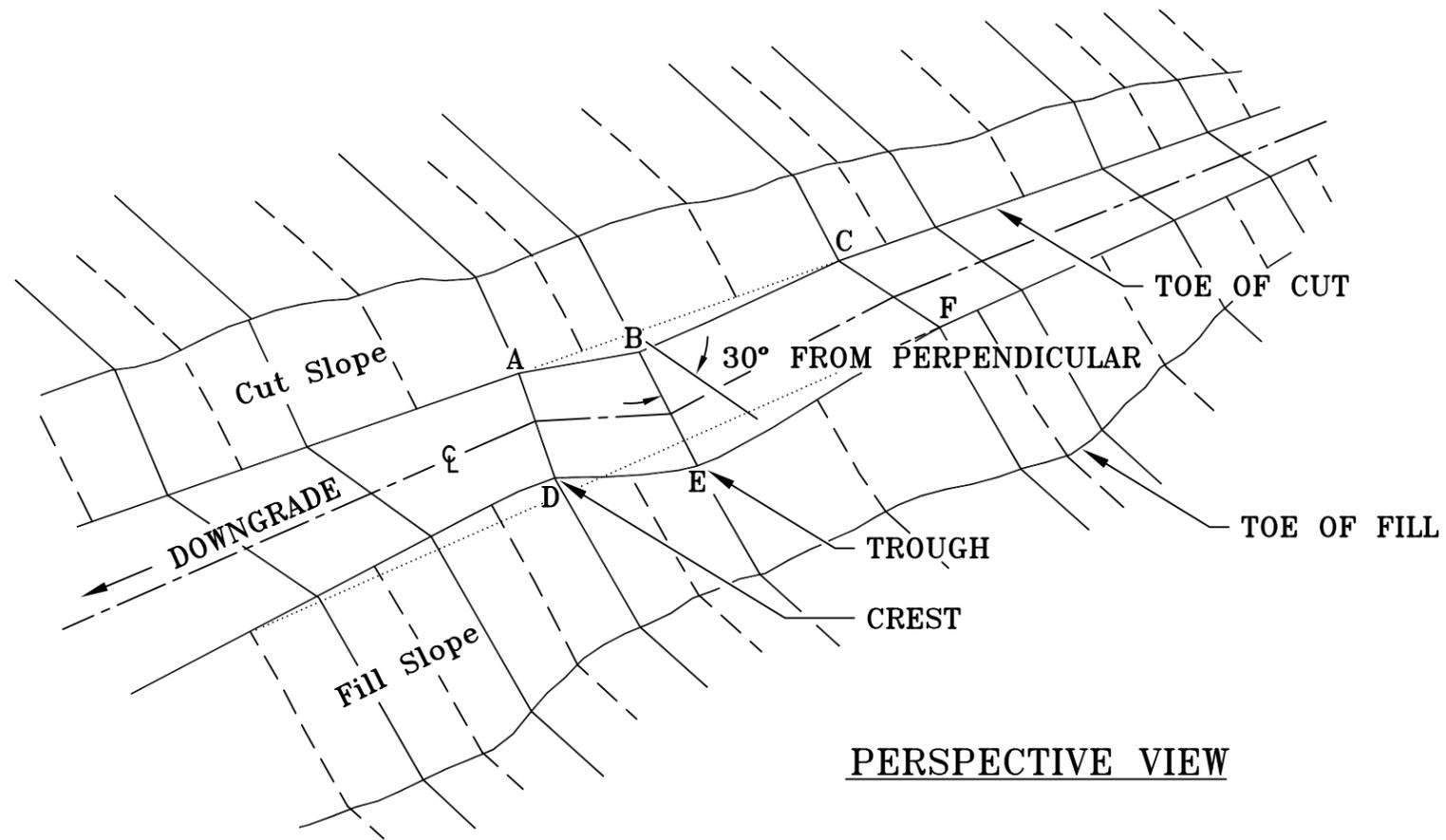


FOREST SERVICE  
ROCKY MOUNTAIN REGION

Drawn \_\_\_\_\_ G.B.Frink  
Design \_\_\_\_\_ G.B.Frink  
Checked \_\_\_\_\_  
Reviewed \_\_\_\_\_

Forest  
**RIO GRANDE NATIONAL FOREST**  
Project Name  
**Rendezvous Beetle Salvage TS  
Road Reconstruction**

Sheet Title  
**SEEDING**  
Scale  
**NONE**  
Sheet **11**  
of **18**



DRAWINGS NOT TO SCALE

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FOREST SERVICE  
ROCKY MOUNTAIN REGION

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Design G.B.Frink  
Checked \_\_\_\_\_  
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Forest  
**RIO GRANDE NATIONAL FOREST**  
Project Name  
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Road Reconstruction**

Sheet Title  
**GRADE DIP 1**  
Scale  
**NONE**  
Sheet **12**  
of **18**

ROAD GRADE %	12 FEET ROAD WIDTH				14 FEET ROAD WIDTH				16 FEET ROAD WIDTH			
	LENGTH/FT		DEPTH/FT		LENGTH/FT		DEPTH/FT		LENGTH/FT		DEPTH/FT	
	G	H	I	J	G	H	I	J	G	H	I	J
<6	51	45	.8	.3	52	45	.9	.3	53	45	.95	.3
6	56	50	.8	.3	57	50	.9	.3	58	50	1	.3
7	60	54	.85	.3	61	54	.95	.3	62	54	1.05	.3
8	65	59	.85	.3	66	59	1	.3	67	59	1.1	.3
9	69	63	.85	.3	70	63	1	.3	71	63	1.1	.3
10	74	68	.9	.3	75	68	1.05	.3	76	68	1.15	.3

NOTES:

1. PLANS ARE FOR AN OUTSLOPED, INSLOPED, OR CROWNED TEMPLATE, WITH OR WITHOUT A DITCH.
2. GRADE DIPS FUNCTION BY THE PROGRESSIVE INCREASE OF ROAD SURFACE OUTSLOPE FROM LINE "C-F" INTO THE TROUGH, LINE "B-E". THE SURFACE ROLLS THROUGH THE TROUGH AND CREST TRANSITIONS IN A UNIFORM MANNER. GRADE DIP OUTLETS SHALL BE CONSTRUCTED TO DRAIN TO DAYLIGHT.
3. EXCESS EXCAVATION MATERIAL SHALL BE SCATTERED EVENLY OVER THE ROAD EMBANKMENT SO THAT IT WILL NOT CAUSE EROSION AND SEDIMENTATION PROBLEMS IN THE GRADE DIP, OUTLET DITCHING, OR STREAMS.
4. WHEN GRADE DIPS ARE CONSTRUCTED IN DITCH SECTIONS, THE DITCH SHALL DRAIN ACROSS THE GRADE DIP. RESUME DITCH CONSTRUCTION 25 FEET DOWN GRADE FROM THE CREST OF THE GRADE DIP.
5. OUTLET DRAIN DITCHES SHALL HAVE CUT SLOPES EQUAL TO OR FLATTER THAN 1.5:1. EXCAVATION FROM OUTLET DITCHING SHALL BE SCATTERED ALONG THE SIDES OF THE DITCH. ALL NECESSARY CLEARING AND OUTLET DITCHING SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE GRADE DIP AND NO SEPARATE PAYMENT WILL BE MADE.
6. FINAL LOCATIONS FOR GRADE DIPS WILL BE STAKED BY THE FOREST SERVICE PRIOR TO CONSTRUCTION.

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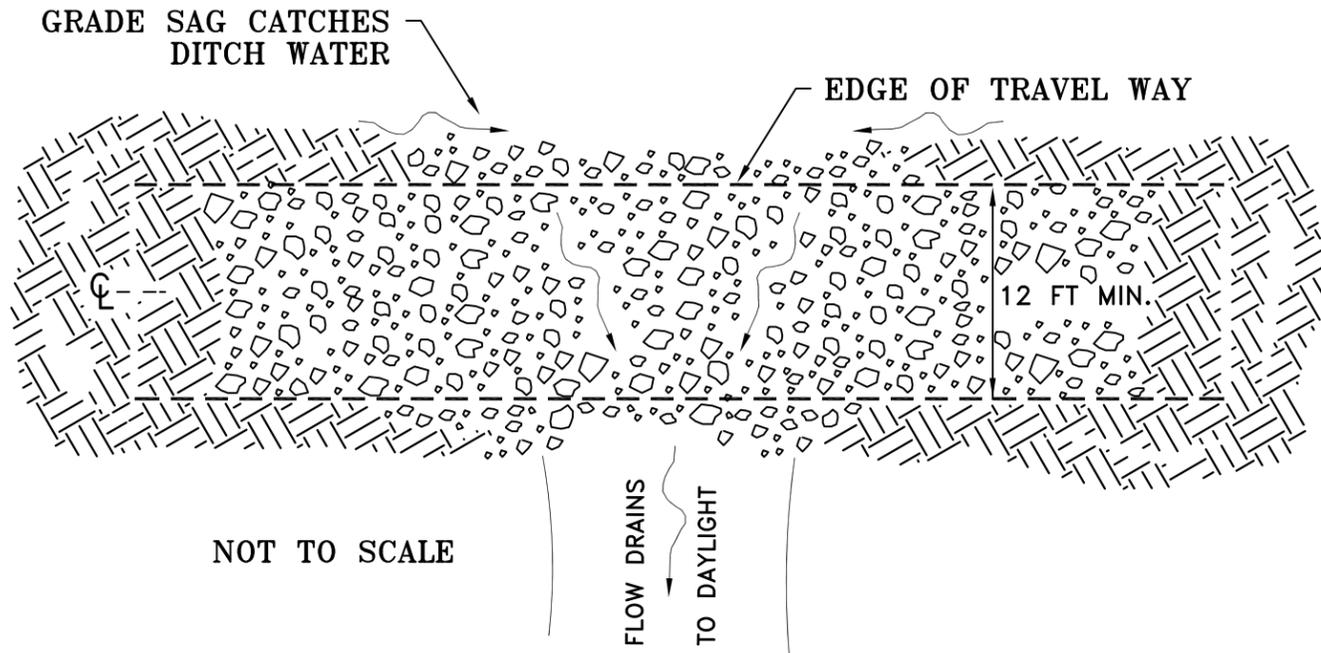


FOREST SERVICE  
ROCKY MOUNTAIN REGION

Drawn \_\_\_\_\_ G.B.Frink  
Design \_\_\_\_\_ G.B.Frink  
Checked \_\_\_\_\_  
Reviewed \_\_\_\_\_

Forest  
**RIO GRANDE NATIONAL FOREST**  
Project Name  
**Rendezvous Beetle Salvage TS  
Road Reconstruction**

Sheet Title  
**GRADE DIP 2**  
Scale  
**NONE**  
Sheet **13**  
of **18**



PLAN VIEW

MINIMUM LANE WIDTH W/ CURVE WIDENING

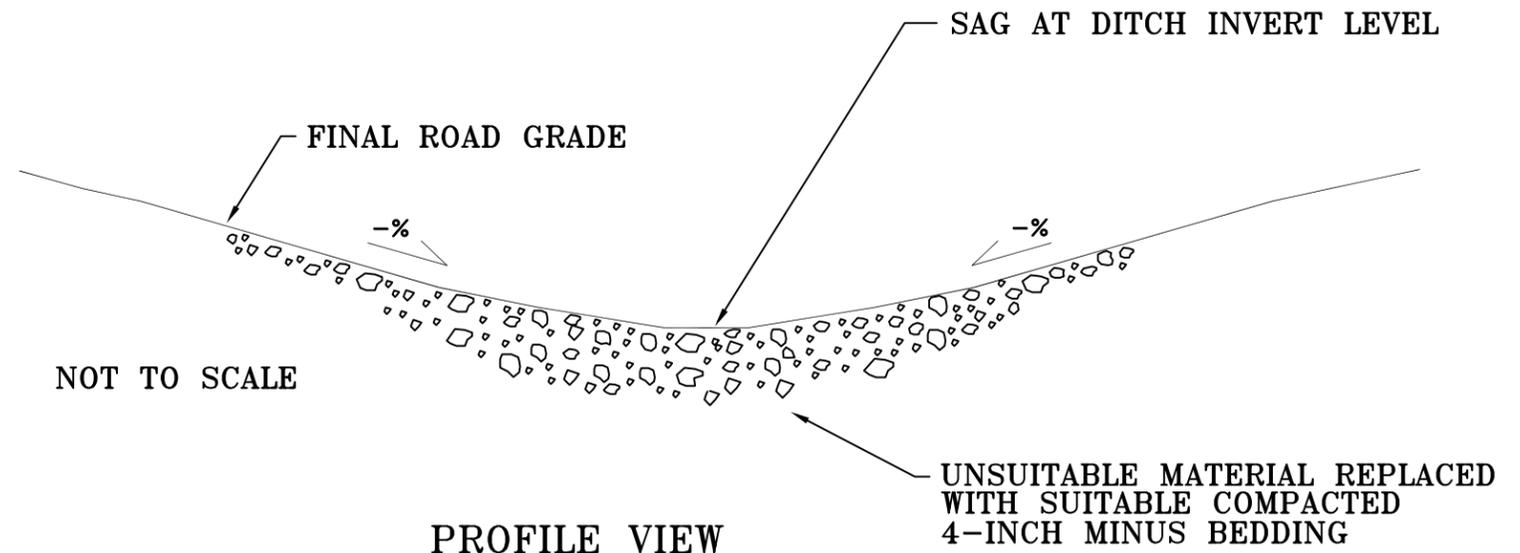
CURVE RADIUS (FT.)	MINIMUM LANE WIDTH (FT)
50	19
60	18
70	17
80	17
100	16
125	15
150	14

CRITICAL VERTICAL CURVE GEOMETRY FOR LOG TRUCKS

LENGTH OF CURVE (FT.)	ALGEBRAIC DIFFERENCE OF TANGENT GRADES (%)
50	28
75	40
100	55

NOTES:

1. THIS IS A CONCEPTUAL DRAWING. DETAILS DEPEND ON SITE CONDITIONS.
2. OUTSLOPE ROAD SURFACE A MINIMUM OF 4% IN GRADE SAG.
3. SUPPLY AND INSTALL BEDDING AT THE DIRECTION OF THE CO.
4. INSURE MINIMUM LANE WIDTH WITH CURVE WIDENING.
5. DO NOT EXCEED CRITICAL VERTICAL CURVE GEOMETRY FOR LOG TRUCK PASSAGE.



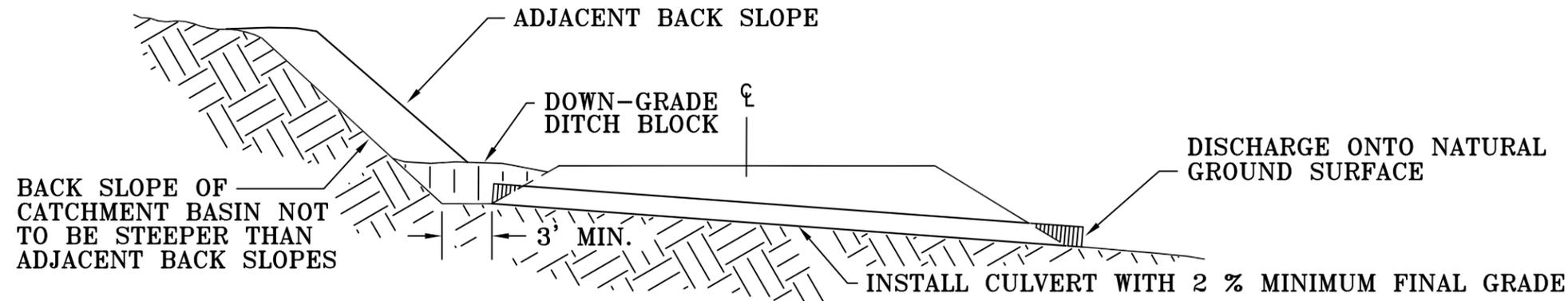
PROFILE VIEW

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 FOREST SERVICE  
 ROCKY MOUNTAIN REGION

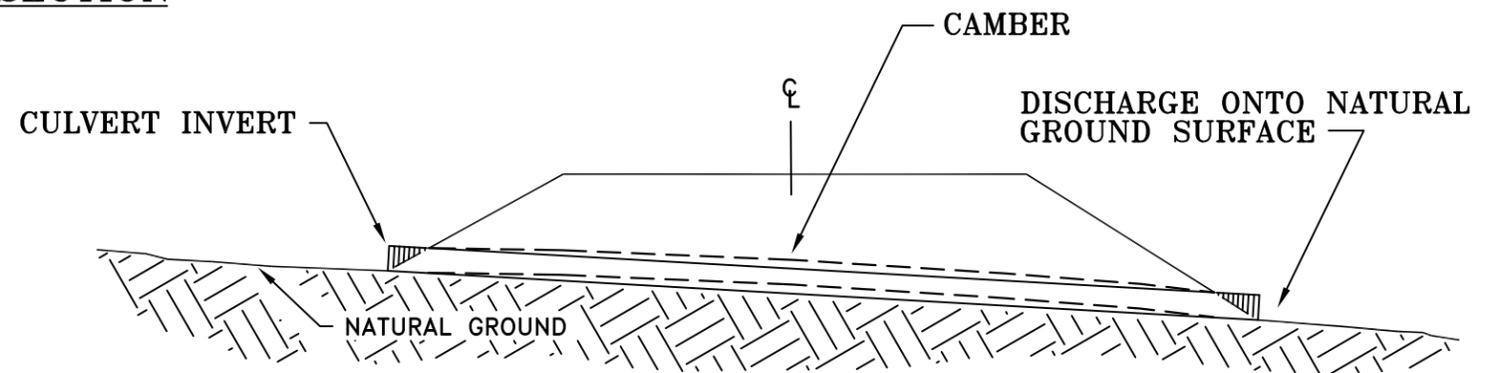
Drawn          G.B.Frink  
 Design          G.B.Frink  
 Checked           
 Reviewed         

Forest  
**RIO GRANDE NATIONAL FOREST**  
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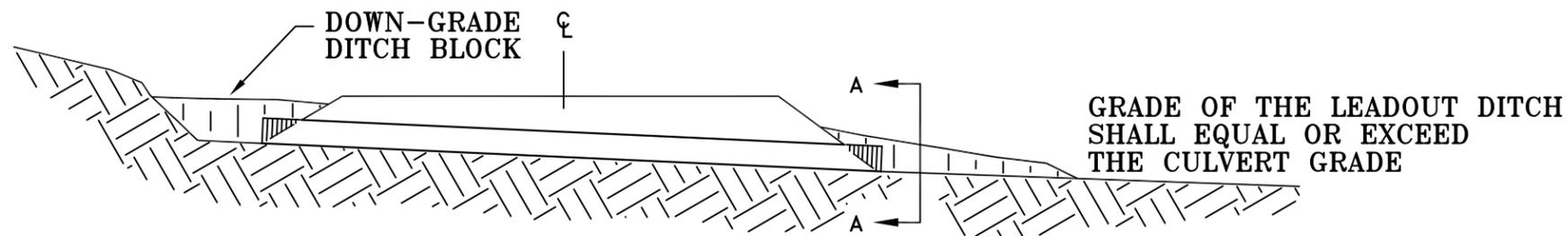
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 Scale **NONE** Sheet **14**  
 of **18**



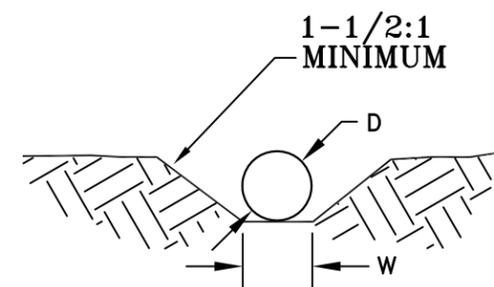
TYPICAL INSTALLATION IN SIDEHILL SECTION



TYPICAL INSTALLATION IN FILL SECTION SHOWING CAMBER



TYPICAL INSTALLATION WITH OUTLET DITCH



SECTION A-A

DITCH WIDTH (W) SHALL EQUAL CULVERT DIAMETER (D).

EXCAVATED MATERIAL SHALL BE SCATTERED ALONG SIDES OF DITCH.

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FOREST SERVICE  
ROCKY MOUNTAIN REGION

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Design G.B.Frink  
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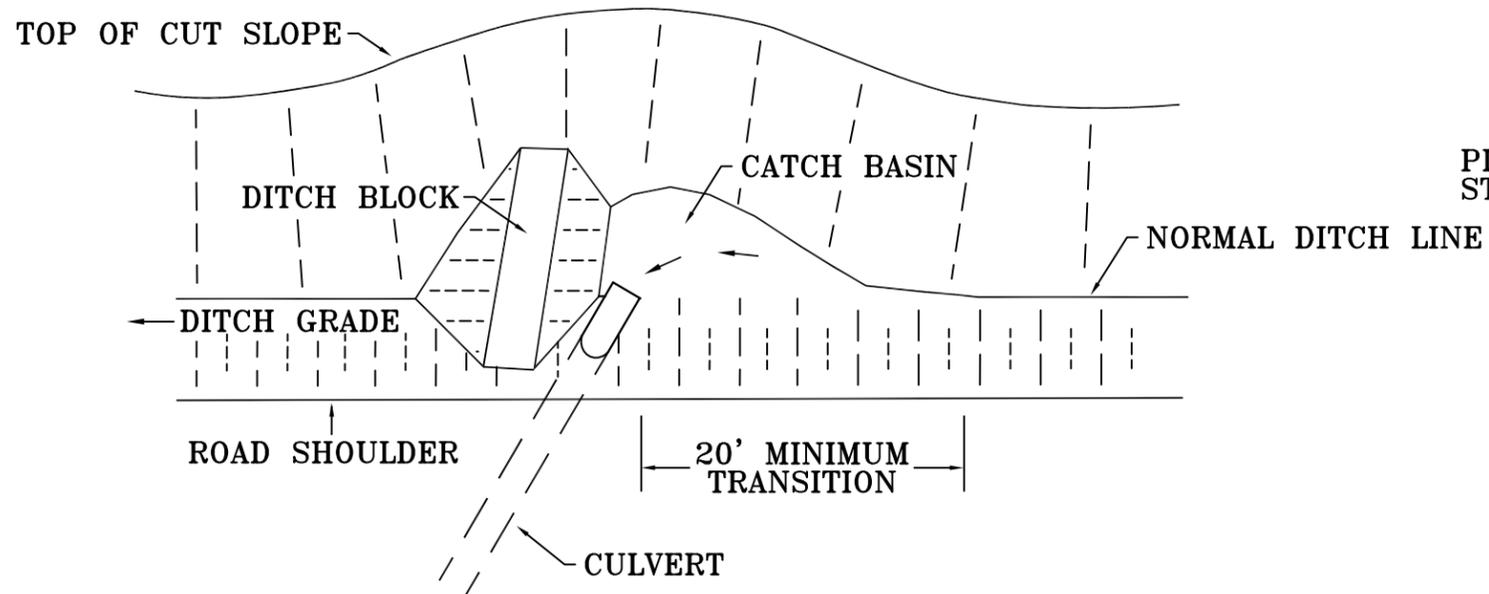
Sheet Title

**CULVERT 1**

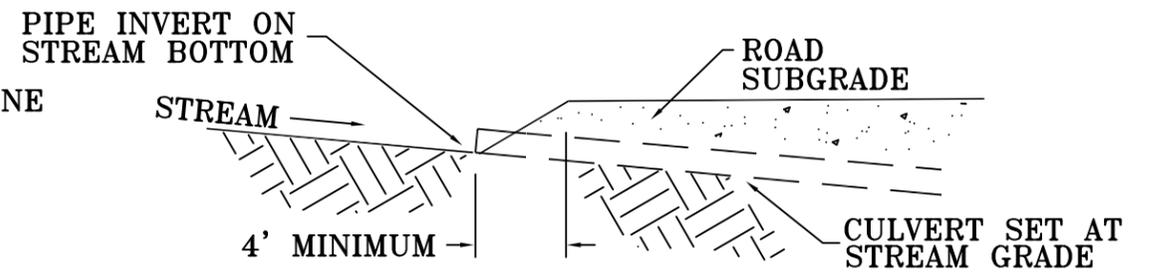
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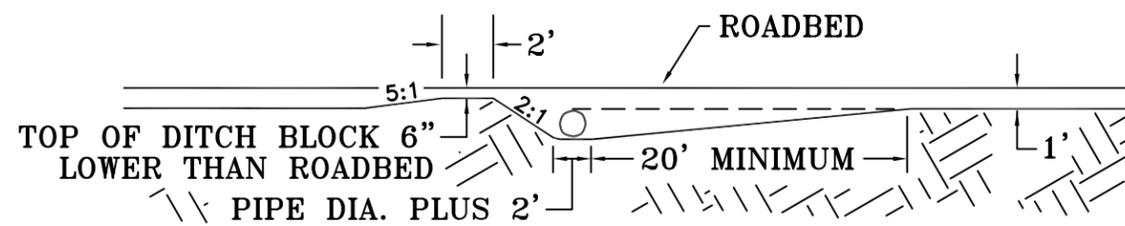
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of **18**



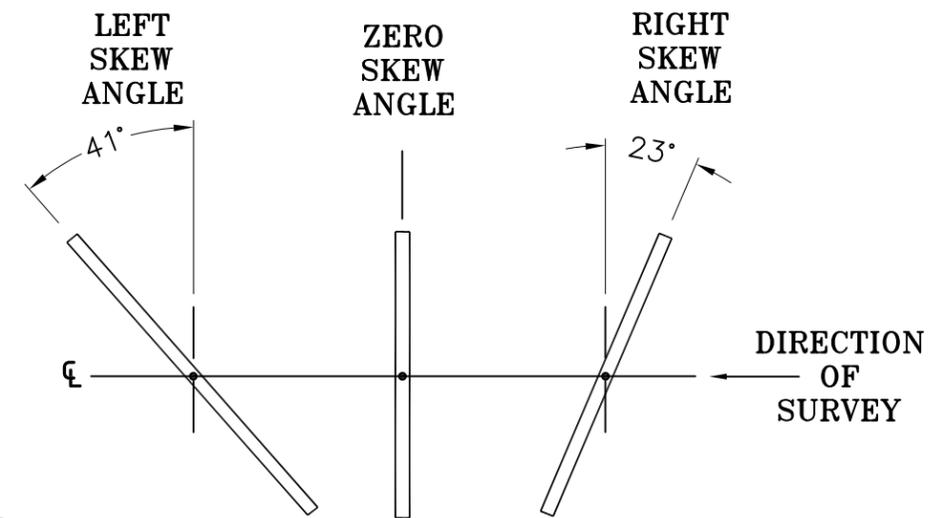
PLAN  
NOT TO SCALE



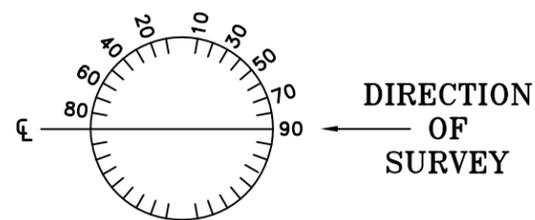
CROSS SECTION W/ STREAM  
NOT TO SCALE



PROFILE ALONG DITCH  
NOT TO SCALE



CULVERT SKEW DIAGRAM



U.S. DEPARTMENT OF AGRICULTURE



FOREST SERVICE  
ROCKY MOUNTAIN REGION

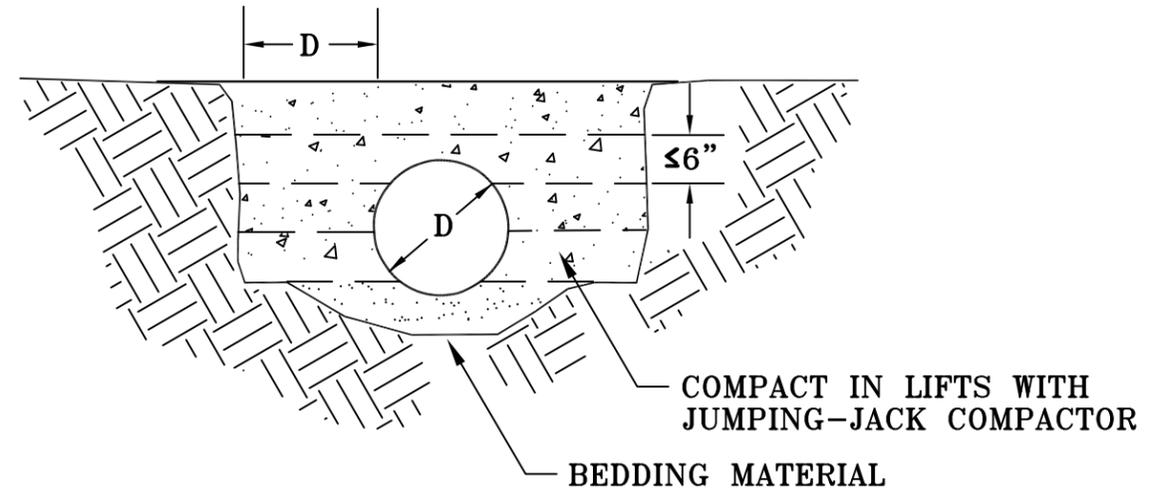
Drawn G.B.Frink  
Design G.B.Frink  
Checked \_\_\_\_\_  
Reviewed \_\_\_\_\_

Forest  
**RIO GRANDE NATIONAL FOREST**  
Project Name  
**Rendezvous Beetle Salvage TS  
Road Reconstruction**

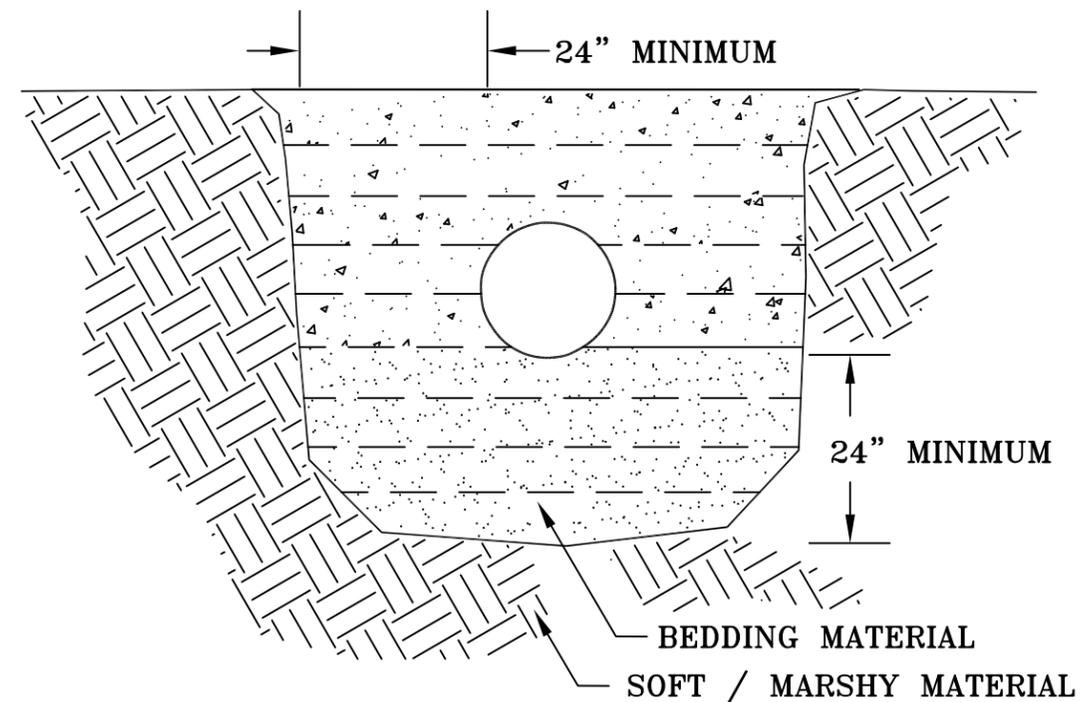
Sheet Title  
**CULVERT 2**  
Scale  
**NONE**  
Sheet **16**  
of **18**

NOTES:

1. THE LENGTHS AND LOCATIONS OF INDIVIDUAL CULVERTS ARE APPROXIMATE.
2. CULVERTS SHALL HAVE A MINIMUM OF ONE FOOT OF COMPACTED ROAD SUBBASE MATERIAL BETWEEN THE TOP OF THE CULVERT AND SUBGRADE SURFACE.
3. PURCHASER IS RESPONSIBLE FOR LOADING, HAULING, AND APPLYING SUPPLIED BEDDING, COVER, AND SPOT GRAVEL MATERIALS. THE COST IS INCIDENTAL TO CULVERT INSTALLATION AND REPLACEMENT PAY ITEMS.
4. THE CULVERT BEDDING PROFILE SHALL BE CAMBERED LONGITUDINALLY ONE-HALF OF ONE PERCENT OF THE LENGTH OF THE CULVERT UNDER THE CENTER OF THE FILL TO PROVIDE FOR SETTLEMENT. CAMBER SHALL BE ON A CURVE WITH NO POINT ALONG THE CULVERT BEING HIGHER THAN THE INVERT OF THE INLET.
5. LEADOUT DITCHES SHALL DRAIN TO DAYLIGHT.
6. CULVERT INVERT SHALL SET ON STREAM BOTTOM AND SHALL SLOPE AT STREAM GRADE.
7. FIELD CUTTING OF CULVERT IS NOT PERMITTED UNLESS APPROVED BY THE CONTRACTING OFFICER. WHERE SPELTER COATING HAS BEEN BRUISED OR BROKEN EITHER IN THE SHOP, SHIPPING, OR BY FIELD CUTTING, REPAIRS SHALL BE IN ACCORDANCE WITH AASHTO M36.
8. PLACE AND COMPACT FILL AROUND CULVERTS IN LAYERS NOT TO EXCEED 6 INCHES LOOSE DEPTH. DO NOT OPERATE ANY HEAVY EQUIPMENT OVER ANY CULVERT UNTIL IT HAS BEEN PROPERLY BACKFILLED WITH A MINIMUM OF 1 FOOT OF COMPACTED COVER.



TYPICAL BACKFILL DETAIL



SOFT / MARSHY FOUNDATION

U.S. DEPARTMENT OF AGRICULTURE



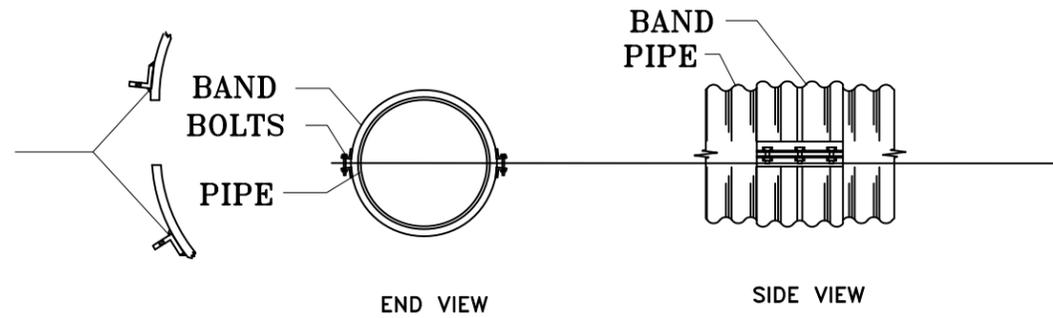
FOREST SERVICE  
ROCKY MOUNTAIN REGION

Drawn G.B.Frink  
Design G.B.Frink  
Checked  
Reviewed

Forest  
RIO GRANDE NATIONAL FOREST  
Project Name  
Rendezvous Beetle Salvage TS  
Road Reconstruction

Sheet Title <b>CULVERT 3</b>	
Scale NONE	Sheet 17 of 18

RIVET, SPOTWELD,  
OR FILLET WELD  
AT CREST OF  
CORRUGATION AT  
HEEL AND TOE OF  
ANGLE.



NOTE:  
SECOND ANGLE CONNECTION OPTIONAL TO 42" DIA., REQUIRED ABOVE 42" DIA.

**ANNULAR BAND**  
NOT TO SCALE

NOTES:

1. FABRICATE COUPLING BANDS FROM THE SAME METAL OF THE SAME THICKNESS AS THE CONNECTING PIPE. FASTEN COUPLING BANDS WITH THE FOLLOWING SIZE BOLTS:  
  
     3/8 INCH DIAMETER BOLTS FOR 18" (21" X 15" PIPE ARCH) OR LESS  
     1/2 INCH DIAMETER BOLTS FOR 21" (24" X 18" PIPE ARCH) OR GREATER
2. USE ANNULAR CORRUGATED BANDS WITH PIPES HAVING ANNULAR CORRUGATIONS.

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FOREST SERVICE  
ROCKY MOUNTAIN REGION

Drawn \_\_\_\_\_ G.B.Frink \_\_\_\_\_  
Design \_\_\_\_\_ G.B.Frink \_\_\_\_\_  
Checked \_\_\_\_\_  
Reviewed \_\_\_\_\_

Forest  
**RIO GRANDE NATIONAL FOREST**  
Project Name  
**Rendezvous Beetle Salvage TS  
Road Reconstruction**

Sheet Title  
**CULVERT 4**

Scale <b>NONE</b>	Sheet <b>18</b> of <b>18</b>
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