U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE **TIMBER SALE CONTRACT** (Applicable to Sales to be Scaled after Felling)		**Name of Purchaser**	
National Forest Idaho Panhandle	**Ranger District** Saint Maries	**Region** Northern	**Contract Number**
Sale Name Cedar Side Boards		**Award Date**	**Termination Date** 10/31/2013

The parties to this contract are The United States of America, acting through the Forest Service, United States Department of Agriculture, hereinafter called Forest Service, and _____ hereinafter called Purchaser.

Forest Service having advertised a sale at which either (1) Purchaser, whose required bid deposit is now held by Forest Service as an initial deposit, was the successful bidder, or (2) no bids were received and Purchaser having subsequently offered at least the minimum advertised price and made an initial deposit in the same amount as the bid deposit specified in the sale advertisement; and the parties hereto desiring to record their agreement; now therefore,

Unless provided otherwise herein, Forest Service agrees to sell and permit Purchaser to cut and remove Included Timber and Purchaser agrees to purchase, cut, and remove Included Timber.

This contract consists of three Divisions: A - Specific Conditions, B - Standard Provisions, and C - Special Provisions, together with Sale Area Map, Plans and specifications for developments (if any), and such attachments as may be provided for in Division C. Specific Conditions are numbered and apply to the Part, Section, Subsection, or Item of the Standard Provisions, as indicated hereunder. Other conditions of this contract are stated in Division C - Special Provisions.

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the award date.

UNITED STATES OF AMERICA

Two Witnesses: 1/

By: _____
Contracting Officer

_____
(Name)

_____
(Title)

_____
(Address)

_____
(Purchaser) 2/

_____
(Name)

By: _____

_____
(Address)

_____
(Title)

_____
(Business Address)

I,3/ _____, certify that I am the _____
Secretary of the corporation named as Purchaser herein; that _____
who signed this contract on behalf of Purchaser, was then _____
of the corporation; that the contract was duly signed for and in behalf of the corporation by authority of its governing body, and is within the scope of its corporate powers.

_____ **CORPORATE SEAL** 4/

INSTRUCTIONS:

1/ The signatures and addresses of two witnesses are required if Purchaser is other than a corporation.

2/ If Purchaser is a co-partnership, the signatures should be: XYZ Company, by John Doe, a member of the firm. If Purchaser is a corporation, form of signature should be: XYZ Company, by John Doe, President (or other officer or agent) and the seal of the corporation must be impressed or indicated.

3/ The certificate must be completed if Purchaser is a corporation.

4/ If the corporation has no corporate seal that fact shall be stated, in which case a scroll or adhesive seal shall follow the corporate name.

EXAMPLE 1/

Subcontractor Certification
Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion

Timber Sale Name: _____
National Forest: _____

The prospective subcontractor (participants in lower tier covered transactions) certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this timber sale by any Federal department or agency.

Where the prospective subcontractor is unable to certify to any of the statements in this certification, such prospective subcontractor shall attach an explanation to this proposal.

Name of Subcontractor: _____
Business Address: _____
_____

_____ _____
Date Signature

1/ It is the Purchaser's responsibility to have subcontractors complete this certification and to maintain a file of completed certifications. This certification does not need to be returned to the Forest Service, except at the written request of the Contracting Officer.

The following conditions apply to the indicated portions of Division B – Standard Provisions issued June 2006.

A1 – Location and Area, applicable to B1.1

This Sale Area of 3351 acres more or less is located in: Sections 35 & 36, T43N, R1E, Sec 1,2,3,11,12, T42N, R1E, Sec 6,7, T42N, R2E and 31, T43N, R2E, Boise Meridian, Shoshone County, Idaho

A2 – Volume Estimate and Utilization Standards, applicable to B2.1, B2.2, B2.4, and B6.4

				Minimum Specifications				
				Merchantable Tree		Piece Required to be Removed		
Species	**Product**	**Estimated Quantity**	**Unit of Measure**	**Diameter Breast High (d.b.h.)** *(inches)*	**Number of Minimum Pieces per Tree**	**Length** *(feet)*	**Diameter Inside Bark at Small End** *(inches)*	1/
Combined Softwood	Sawtimber	20,110	Ton	7	1	8	5.6	10.67
Combined Softwood	Non Sawtimber	1394	Ton	N/A	1	9	4.0	100% Sound
Timber Subject to Agreement under C2.11# - Units 15H,16H, & 17H								
Combined Softwood	Sawtimber	Unestimated	Ton	7	1	8	5.6	10.67
Combined Softwood	Non Sawtimber	Unestimated	Ton	N/A	1	9	4.0	100% Sound
Total Quantity		21,504 Ton						

1/ Enter Merchantability Factor (Merch. Factor) or Net Scale in % of Gross Scale, whichever is appropriate.

***Combined softwood under C2.11# called alpine fir for accounting purposes.**

A3 – Timber Designations, applicable to B2.3; acres are approximate:

	Number	Acres
Clearcutting Units (B2.31)		
Specified Road Clearing (B2.32)		20
Overstory Removal Units (B2.33)		
Understory Removal Units (B2.34)		
Individual Trees (B2.35)		317
Incompletely Marked Timber (B2.36)		

A4 - Timber Payment Rates, applicable to B3.1 and B4.0

A4a - For Species and Products to be Paid for at Rates Escalated under B3.2

Not Applicable

A4b - For Species and Products to be Paid for at Flat Rates

Species	Product	Unit of Measure	Rates per Unit of Measure				
			Base $	Advertised $	Bid Premium $	Bid (Flat) $	Required Deposits Slash Disposal $
Combined Softwood	Sawtimber	Ton	1.92	7.80			2.70
Combined Softwood	Non-Saw	Ton	1.92	7.80			2.70
Timber Subject to Agreement under C2.11#							
Subalpine Fir	Sawtimber	Ton	1.89	1.89			.85
Subalpine Fir	Non-Saw	Ton	1.89	1.89			.85

For purposes of convenience in collection and bookkeeping, Bid Rates stated in A4 include payment of deposits for sale area betterment required pursuant to 16 USC 576b. Such deposits are not included as Required Deposits defined hereunder.

The following definitions are established for the terms used in A4:

Base Rates are the lowest rates of payment for timber that are authorized by this contract. Base Rates remain constant throughout the life of this contract and are not subject to change by rate redetermination, except for reduction under B3.31, B3.32, or B3.33.

Advertised Rates are the minimum acceptable Bid Rates for timber, exclusive of Required Deposits. These rates are those indicated by appraisal, with a cost allowance made for construction of Specified Roads listed in A7, but are never less than Base Rates.

Bid Premium Rates are the amounts by which Purchaser's bid is in excess of Advertised Rates. The Bid Premium Rates are constant during this contract, except as provided in B3.31, B3.32, and B3.33.

Bid Rates are the rates bid by Purchaser (exclusive of Required Deposits for slash disposal, road maintenance, and contract scaling) and are the sum of Advertised Rates and Bid Premium Rates. Until a rate redetermination becomes effective, the Bid Rate for species and products in A4a is the Tentative Rate that is subject to quarterly adjustment under B3.2; for species and products in A4b, the Bid Rate is the Flat Rate.

Required Deposits are deposits that Purchaser may be required to pay for slash disposal (16 USC 490), road maintenance (16 USC 537), and contract scaling (1994 Appropriations Act). Required Deposits may be adjusted as part of a rate redetermination or a Contract Term Extension. The table shows only Required Deposits for slash disposal; road maintenance deposits, if any, are given in C5.32#; and contract scaling deposits, if any, are given in C6.816#.

Base Index is the specified average of the lumber or other product selling value index used as the basis for computing adjustment in rates for variance in product selling value, as provided in B3.2.

A5 - Indices Used in Quarterly Adjustment, applicable to B3.2

Not Applicable

A6 - High Stumps, applicable to B6.412

Species	Product	Maximum Stump Height (inches)
All	All	12

A7 - Specified Roads, applicable to B5.2

Name and Date of Governing Road Specifications: Forest Service Standard Specifications for Construction of Roads & Bridges (1985), as amended and supplemented (english)

Project		Design Class	Appro. Length (mi./km.)	Sheet Numbers and Approval Date	Performance Responsibility		
Road No.	Name				Survey	Design	Construction Staking 1/
504F	Cedar Shake (C) (segment 0 to .92)	Single Lane - 15 mph	.57 / .92	1.-35 02/20/2008	FS	FS	Purchaser BC
3321E	Christmas Bell (C) (segment 0 to .43)	Single Lane - 15 mph	.27 / .43	1-35 02/20/2008	FS	FS	Purchaser BC
3321B.2	Christmas Carol (C) (segment 0 to .97)	Single Lane - 15 mph	.6 / .97	1-35 02/20/2008	FS	FS	Purchaser BC
3321C.2	Christmas Jingle (C) (segment 0 to .84)	Single Lane - 15 mph	.52 / .84	1-35 02/20/2008	FS	FS	Purchaser BC
3335C	Misfire (C) (segment 0 to .8)	Single Lane - 15 mph	.5 / .8	1-35 02/20/2008	FS	FS	Purchaser BC
504E	Parallel (C) (segment 0 to 1.82)	Single Lane - 15 mph	1.13 / 1.82	1-35 02/20/2008	FS	FS	Purchaser BC
3557	Cedar Butte (R) (segment 0 to .53)	Single Lane - 15 mph	.33 / .53	1-35 02/20/2008	FS	FS	FS BC
3557A	Cedar Butte A Spur (R) (segment 0 to .4)	Single Lane - 15 mph	.25 / .4	1-35 02/20/2008	FS	FS	FS BC
3321B.1	Christmas Carol (R) (segment 0 to 1.53)	Single Lane - 15 mph	.95 / 1.53	1-35 02/20/2008	FS	FS	FS BC
3321C.1	Christmas Jingle (R) (segment 0 to .71)	Single Lane - 15 mph	.44 / .71	1-35 02/20/2008	FS	FS	FS BC
3321A	Christmas Time (R) (segment 0 to .58)	Single Lane - 15 mph	.36 / .58	1-35 02/20/2008	FS	FS	Purchaser BC
504G	Clarkia Overlook (R) (segment 0 to 1.21)	Single Lane - 15 mph	.75 / 1.21	1-35 02/20/2008	FS	FS	FS BC
504A	Clarkia Peak (R) (segment 0 to 1.93)	Single Lane - 25 mph	1.2 / 1.93	1-35 02/20/2008	FS	FS	Purchaser BC

1/ Indicate timing, i.e., before clearing (BC) or after clearing (AC). Applicable to B5.212.

A8 - Forest Service Engineering Completion Schedule, applicable to B5.21

Road No.	Road Name	Type of Work	Completion Date
	NOT APPLICABLE		

A9 - Scaling Instructions and Specifications, applicable to B6.8

Name and Date of Governing Instructions: FSH2409.11a, National Forest Cubic Log Scaling Handbook, as amended and supplemented. Governing instructions for products contained in C Provisions as follows:C6.822, C6.823, C6.840,C6.849

Scaling Specifications					
Species	Product	Maximum Scaling Length (feet)	Trim Allowance		
			Diameter Range (inches)	Length Range (feet)	Trim Allowance (inches)
All	*All*	*99*	*ALL*	*ALL*	*0*

A10 - Scaling Services, applicable to B6.81

Species	Product	Unit of Measure	Site and Geographic Location	Method	Standard Estimated Cost per Unit $
All	All	Ton	Forest Service approved locations with State Certified Scales	Total (100%) Weight Scale	.00

A11 - Minimum Scaling Volumes, applicable to B6.81

Minimum volume for Continuous Scaling Services in two-week period N/A Ton per scaler

Minimum volume for Intermittent Scaling Services N/A Ton on a N/A basis

A12 - Fire Precautionary Period, applicable to B7.2

May 10 to October 20, inclusive

A13 - Purchaser Responsibility to Furnish Crews and Equipment for:

Initial Fire Supression, applicable to B7.3

Within 35 road miles

Fire Suppression Reinforcement, applicable to B7.312 and B 7.313

Within 35 road miles

A14 - Purchaser's Obligation per Operations Fire, applicable to B7.41

Maximum Amount: $ $26,300.00

A15 - Termination Date, applicable to B8.2

October 31, 2013

A16 - Normal Operating Season, applicable to B6.31, B6.66, B8.21 and B9.3

First Period: June 01 to October 15, inclusive

Second Period: _____ to _____, inclusive

A17 - Performance Bond Amount, applicable to B9.1

_____

A18 - Downpayment, applicable to B4.211

Downpayment Amount: _____

A19 - Periodic Payment Amount, applicable to B4.213

	Periodic Payment Determination Date	Amount
Initial Payment:	April 23, 2012	_____
Additional Payment:	April 23, 2013	_____

A20 - Market-Related Contract Term Addition Producer Price Index, applicable to B8.212

Index Name: Softwood Lumber **Index Number:** 0811

A21 – Inapplicable Standard Provisions

The following listed Sections, Subsections, or Items of Division B – Standard Provisions – are hereby made inapplicable. (Instructions: List by reference number and title.)

B2.35 – Individual Trees
B4.211 -- Downpayment
B6.23 – Protection of Land Survey Monuments
B6.35 – Equipment Cleaning
B6.84 – Accountability
B6.841 – Route of Haul
B6.85 – Scaling Lost Products

A22 – List of Special Provisions

The following listed special provisions are attached to and made a part of this contract as Division C. Provisions with reference numbers followed by # contain blanks into which data have been entered for this sale. (Instructions: List by reference number, title, and date.)

See Attached List.

C2.11# – TIMBER SUBJECT TO AGREEMENT. (2/71)
C2.2 - UTILIZATION AND REMOVAL OF INCLUDED PRODUCTS (4/03)
C2.301# - DESIGNATION OF RESERVE TREES. (5/04)
C2.303# - - DEAD TREES. (10/04)
C2.358# - INDIVIDUAL TREES (LEAVE TREE MARKING). (10/04)
C2.359# - INDIVIDUAL TREES (CUT TREE MARKING). (10/04)
C2.38# - SPECIES DESIGNATION. (2/02)
C5.113# - USE AGREEMENT BETWEEN FOREST SERVICE AND OWNER. (7/85)
C5.12# – USE OF ROADS BY PURCHASER. (6/99)
C5.123# - ROAD USE, LIABILITY INSURANCE. (3/90)
C5.13# – ROAD COMPLETION DATE. (4/04)
C5.210 – STAKING ERRORS BY PURCHASER. (10/04)
C5.31# – ROAD MAINTENANCE REQUIREMENTS. (7/01)
C5.315# - ROAD MAINTENANCE ON JOINT OWNERSHIP ROADS. (10/04)
C5.316# - SNOW REMOVAL. (02/02)
C5.32# – ROAD MAINTENANCE DEPOSIT SCHEDULE. (7/01)
C5.41# - CLOSURE TO USE BY OTHERS. (3/07)
C5.419# – SYSTEM ROAD STABILIZATION (3/07)
C6.10 - PREWORK CONFERENCE. (10/04)
C6.23 - PROTECTION OF LAND SURVEY MONUMENTS. (10/04)
C6.316# - LIMITED OPERATING PERIOD. (5/05)
C6.320# –RESERVE TREE PROTECTION. (10/04)
C6.331 - SAFETY (HELICOPTER OPERATIONS). (10/04)
C6.332 - SAFETY (TIMBER HAULING). (10/04)
C6.339 – ACCIDENT AND INJURY NOTIFICATION (4/05)
C6.351 # – WASHING EQUIPMENT. (7/07)
C6.4# - CONDUCT OF LOGGING. (10/82)
C6.406# - SITE CONDITION. (10/01)
C6.41# - SPECIAL FELLING REQUIREMENTS. (10/04)
C6.422 - HELICOPTER LANDING LOCATION AND CONSTRUCTION. (5/76)
C6.6 - EROSION PREVENTION AND CONTROL. (10/04)
C6.601# - EROSION CONTROL SEEDING. (3/07)
C6.661 - CURRENT OPERATING AREAS. (10/04)
C6.7 - HAZARD REDUCTION AND SITE PREPARATION. (3/89)
C6.71 - CHANGE IN SLASH TREATMENTS. (3/90)
C6.711 - BURNING BY PURCHASER. (10/79)
C6.822# - PRESENTATION FOR WEIGHT SCALING . (3/07)
C6.823 - VOLUME DETERMINATION. (10/04)
C6.840- WEIGHT ACCOUNTABILITY. (10/04)
C6.849 - ROUTE OF HAUL. (10/04)
C6.929 - REQUIREMENT FOR FOREST PRACTICES ACT NOTIFICATION. (10/01),
C7.2 - NORMAL PRECAUTIONS. (2/02)
C7.201 - FIRE PRECAUTIONS (HELICOPTER). (2/05)
C8.66# – USE OF TIMBER. (4/04)

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 504A

Road Name: Clarkia Peak

Length (Miles): 1.20 (R)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
173(01)A	Establish Slope Stakes, Cut Side(s) & Through Fills, Clearing Limit & Slope Stake Combined	D.Q.	Mile	0.03	$ 988.60	$ 29.66
201(03)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 4, 6.1, 11.3, Log 8.1, & Stumps 4, 11.3, Utilization of Timber 1	D.Q.	Mile	0.03	$ 540.74	$ 16.22
201(08)	Individual Removal of Trees, Miscellaneous; Slash Treatment Methods for Top & Limbs 4, 11.3, & Logs 8.1, Utilization of Timber 1	A.Q.	Each	86.00	$ 35.09	$ 3,017.74
201(09)	Individual Removal of Stumps, Slash Treatment Methods 4, 11.3	A.Q.	Each	31.00	$ 43.86	$ 1,359.66
201A(01)	Roadway Brushing	D.Q.	Mile	1.17	$ 426.88	$ 499.45
203(01)H	Excavation Placement Method 1, Includes Sta. Yd. Haul	D.Q.	C.Y.	284.00	$ 1.88	$ 533.92
204(01)	Temporary Seeding and Fertilizing	D.Q.	Acre	0.16	$ 322.81	$ 51.65
306(01)	Reconditioning of Roadbed, Compaction A	D.Q.	Mile	1.17	$ 691.23	$ 808.74
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 526.32	$ 526.32
603(01)18C	18" CMP (incl culv exc), Thickness: Steel 0.064 Thickness: Aluminum 0.060, Method C	A.Q.	L.F.	36.00	$ 21.93	$ 789.48
625(07)	Seeding, Dry Method (With Mulch)	D.Q.	Acre	0.16	$ 778.95	$ 124.63

SUB-TOTAL: $ 7,757.47

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards | Road No.: 504E

Road Name: Parallel | Length (Miles): 1.13 (C)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
173(01)A	Establish Slope Stakes, Cut Side(s) & Through Fills, Clearing Limit & Slope Stake Combined	D.Q.	Mile	1.13	$ 962.28	$ 1,087.38
201(01)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 11.1, Logs 8.1, & Stumps 11.1, Utilization of Timber 1	D.Q.	Acre	5.51	$ 2,173.68	$ 11,976.98
203(01)H	Excavation Placement Method 1, Includes Sta. Yd. Haul	D.Q.	C.Y.	7,488.00	$ 1.66	$ 12,430.08
204(01)	Temporary Seeding and Fertilizing	D.Q.	Acre	4.63	$ 322.81	$ 1,494.61
304(10)	Crushed Aggregate, Type Surfacing, Grading D, Compaction B, (commercial source)	D.Q.	C.Y.	1,852.00	$ 19.79	$ 36,651.08
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 4,824.56	$ 4,824.56
603(01)18C	18" CMP (incl culv exc), Thickness: Steel 0.064 Thickness: Aluminum 0.060, Method C	A.Q.	L.F.	68.00	$ 19.30	$ 1,312.40
625(07)	Seeding, Dry Method (With Mulch)	D.Q.	Acre	4.63	$ 778.95	$ 3,606.54

SUB-TOTAL: $ 73,383.63

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS

(Timber Sale)

Timber Sale	Cedar Side Boards	Road No.	504F
Road Name	Cedar Shake	Length (Miles)	0.57 (C)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
173(01)A	Establish Slope Stakes, Cut Side(s) & Through Fills, Clearing Limit & Slope Stake Combined	D.Q.	Mile	0.57	$ 962.28	$ 548.50
201(01)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 11.1, Logs 8.1, & Stumps 11.1, Utilization of Timber 1	D.Q.	Acre	3.00	$ 2,173.68	$ 6,521.04
203(01)H	Excavation Placement Method 1, Includes Sta. Yd. Haul	D.Q.	C.Y.	4,292.00	$ 1.66	$ 7,124.72
204(01)	Temporary Seeding and Fertilizing	D.Q.	Acre	2.58	$ 322.81	$ 832.85
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 1,228.07	$ 1,228.07
625(07)	Seeding, Dry Method (With Mulch)	D.Q.	Acre	2.58	$ 778.95	$ 2,009.69

SUB-TOTAL: $ 18,264.87

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 504G

Road Name: Clarkia Overlook

Length (Miles): 0.75 (R)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
201(03)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 4, 6.1, 11.3, Log 8.1, & Stumps 4, 11.3, Utilization of Timber 1	D.Q.	Mile	0.75	$ 540.74	$ 405.56
306(01)	Reconditioning of Roadbed, Compaction A	D.Q.	Mile	0.75	$ 691.23	$ 518.42
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 438.60	$ 438.60

SUB-TOTAL: $ 1,362.58

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 3321A

Road Name: Christmas Time

Length (Miles): 0.36 (R)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
173(01)A	Establish Slope Stakes, Cut Side(s) & Through Fills, Clearing Limit & Slope Stake Combined	D.Q.	Mile	0.36	$ 988.60	$ 355.90
201(01)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 11.1, Logs 8.1, & Stumps 11.1, Utilization of Timber 1	D.Q.	Acre	1.70	$ 428.84	$ 729.03
202(02)CM	Removal of Metal Pipe	A.Q.	Each	1.00	$ 166.67	$ 166.67
203(01)H	Excavation Placement Method 1, Includes Sta. Yd. Haul	D.Q.	C.Y.	627.00	$ 1.88	$ 1,178.76
203(10)	Borrow Excavation, Placement Method 1	D.Q.	C.Y.	714.00	$ 12.85	$ 9,174.90
204(01)	Temporary Seeding and Fertilizing	D.Q.	Acre	1.30	$ 322.81	$ 419.65
204(09)	Sediment Basin	A.Q.	Each	1.00	$ 78.95	$ 78.95
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 1,052.63	$ 1,052.63
603(01)24C	24" CMP (incl culv exc), Thickness: Steel 0.064 Thickness: Aluminum 0.060, Method C	A.Q.	L.F.	36.00	$ 25.44	$ 915.84
625(07)	Seeding, Dry Method (With Mulch)	D.Q.	Acre	1.30	$ 778.95	$ 1,012.64

SUB-TOTAL: $ 15,084.97

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 3321B.1

Road Name: Christmas Carol

Length (Miles): 0.95 (R)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
201(03)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 4, 6.1, 11.3, Log 8.1, & Stumps 4, 11.3, Utilization of Timber 1	D.Q.	Mile	0.95	$ 540.74	$ 513.70
306(01)	Reconditioning of Roadbed, Compaction A	D.Q.	Mile	0.95	$ 691.23	$ 656.67
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 438.60	$ 438.60
603(01)18C	18" CMP (incl culv exc), Thickness: Steel 0.064 Thickness: Aluminum 0.060, Method C	A.Q.	L.F.	32.00	$ 21.93	$ 701.76

SUB-TOTAL: $ 2,310.73

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 3321B.2

Road Name: Christmas Carol

Length (Miles): 0.60 (C)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
173(01)A	Establish Slope Stakes, Cut Side(s) & Through Fills, Clearing Limit & Slope Stake Combined	D.Q.	Mile	0.60	$ 962.28	$ 577.37
201(01)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 11.1, Logs 8.1, & Stumps 11.1, Utilization of Timber 1	D.Q.	Acre	2.78	$ 2,173.68	$ 6,042.83
203(01)H	Excavation Placement Method 1, Includes Sta. Yd. Haul	D.Q.	C.Y.	2,763.00	$ 1.66	$ 4,586.58
204(01)	Temporary Seeding and Fertilizing	D.Q.	Acre	2.25	$ 322.81	$ 726.32
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 1,052.63	$ 1,052.63
603(01)18C	18" CMP (incl culv exc), Thickness: Steel 0.064 Thickness: Aluminum 0.060, Method C	A.Q.	L.F.	32.00	$ 19.30	$ 617.60
625(07)	Seeding, Dry Method (With Mulch)	D.Q.	Acre	2.25	$ 778.95	$ 1,752.64

SUB-TOTAL: $ 15,355.97

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 3321C.1

Road Name: Christmas Jingle

Length (Miles): 0.44 (R)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
201(03)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 4, 6.1, 11.3, Log 8.1, & Stumps 4, 11.3, Utilization of Timber 1	D.Q.	Mile	0.44	$ 540.74	$ 237.93
306(01)	Reconditioning of Roadbed, Compaction A	D.Q.	Mile	0.44	$ 691.23	$ 304.14
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 438.60	$ 438.60
603(01)18C	18" CMP (incl culv exc), Thickness: Steel 0.064 Thickness: Aluminum 0.060, Method C	A.Q.	L.F.	64.00	$ 21.93	$ 1,403.52

SUB-TOTAL: $ 2,384.19

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS

(Timber Sale)

Timber Sale	Cedar Side Boards	Road No.	3321C.2
Road Name	Christmas Jingle	Length (Miles)	0.52 (C)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
173(01)A	Establish Slope Stakes, Cut Side(s) & Through Fills, Clearing Limit & Slope Stake Combined	D.Q.	Mile	0.52	$ 962.28	$ 500.39
201(01)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 11.1, Logs 8.1, & Stumps 11.1, Utilization of Timber 1	D.Q.	Acre	2.29	$ 2,173.68	$ 4,977.73
203(01)H	Excavation Placement Method 1, Includes Sta. Yd. Haul	D.Q.	C.Y.	2,053.00	$ 1.66	$ 3,407.98
204(01)	Temporary Seeding and Fertilizing	D.Q.	Acre	1.79	$ 322.81	$ 577.83
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 964.91	$ 964.91
603(01)18C	18" CMP (incl culv exc), Thickness: Steel 0.064 Thickness: Aluminum 0.060, Method C	A.Q.	L.F.	100.00	$ 19.30	$ 1,930.00
625(07)	Seeding, Dry Method (With Mulch)	D.Q.	Acre	1.79	$ 778.95	$ 1,394.32

SUB-TOTAL: $ 13,753.16

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 3321E

Road Name: Christmas Bell

Length (Miles): 0.27 (C)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
173(01)A	Establish Slope Stakes, Cut Side(s) & Through Fills, Clearing Limit & Slope Stake Combined	D.Q.	Mile	0.27	$ 962.28	$ 259.82
201(01)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 11.1, Logs 8.1, & Stumps 11.1, Utilization of Timber 1	D.Q.	Acre	1.34	$ 2,173.68	$ 2,912.73
203(01)H	Excavation Placement Method 1, Includes Sta. Yd. Haul	D.Q.	C.Y.	1,475.00	$ 1.66	$ 2,448.50
204(01)	Temporary Seeding and Fertilizing	D.Q.	Acre	1.12	$ 322.81	$ 361.55
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 526.32	$ 526.32
625(07)	Seeding, Dry Method (With Mulch)	D.Q.	Acre	1.12	$ 778.95	$ 872.42

SUB-TOTAL: $ 7,381.34

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 3335C

Road Name: Misfire

Length (Miles): 0.50 (C)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
173(01)A	Establish Slope Stakes, Cut Side(s) & Through Fills, Clearing Limit & Slope Stake Combined	D.Q.	Mile	0.50	$ 962.28	$ 481.14
201(01)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 11.1, Logs 8.1, & Stumps 11.1, Utilization of Timber 1	D.Q.	Acre	2.46	$ 2,173.68	$ 5,347.25
203(01)H	Excavation Placement Method 1, Includes Sta. Yd. Haul	D.Q.	C.Y.	3,008.00	$ 1.66	$ 4,993.28
204(01)	Temporary Seeding and Fertilizing	D.Q.	Acre	2.05	$ 322.81	$ 661.76
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 1,140.35	$ 1,140.35
603(01)18C	18" CMP (incl culv exc), Thickness: Steel 0.064 Thickness: Aluminum 0.060, Method C	A.Q.	L.F.	122.00	$ 19.30	$ 2,354.60
625(07)	Seeding, Dry Method (With Mulch)	D.Q.	Acre	2.05	$ 778.95	$ 1,596.85

SUB-TOTAL: $ 16,575.23

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 3557

Road Name: Cedar Butte

Length (Miles): 0.33 (R)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
201(03)	Clearing & Grubbing, Slash Treatment Methods for Tops & Limbs 4, 6.1, 11.3, Log 8.1, & Stumps 4, 11.3, Utilization of Timber 1	D.Q.	Mile	0.33	$ 1,363.84	$ 450.07
203(08)	Excavation, Placement Method 1	D.Q.	Mile	0.33	$ 1,223.59	$ 403.78
204(01)	Temporary Seeding and Fertilizing	D.Q.	Acre	0.76	$ 322.81	$ 245.34
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 438.60	$ 438.60
625(07)	Seeding, Dry Method (With Mulch)	D.Q.	Acre	0.76	$ 778.95	$ 592.00

SUB-TOTAL: $ 2,129.79

TOTAL ALL ROADS: $ 177,422.36

SCHEDULE OF ITEMS
(Timber Sale)

Timber Sale: Cedar Side Boards

Road No.: 3557A

Road Name: Cedar Butte A Spur

Length (Miles): 0.25 (R)

Item Number	Description	Method of Meas.	Unit	Quantity	S.R.C Unit Price	Total
601(01)	Mobilization	L.S.Q.	L.S.	1.00	$ 131.58	$ 131.58
640(01)	Furnish and Install Road Closure Device, Type Gate, Size 14'0" - 16'6"	A.Q.	Each	1.00	$ 1,546.85	$ 1,546.85

SUB-TOTAL: $ 1,678.43

TOTAL ALL ROADS: $ 177,422.36

United States Department of Agriculture | Forest Service | Idaho Pnahandle National Forests St. Joe Ranger District | St Maries Office P. O. Box 407 St. Maries, ID 83861

REPLY TO: 7700
2450

DATE: Dec. 5, 2007

SUBJECT: Special Project Specifications

Cedar Side Boards Proposed Timber Sale

04 **DISTRICT**

TO: Forest Supervisor

[ ] RO SALE (Check one)
[X] SO SALE
[ ] DIST. SALE

The following Special Project Specifications are recommended for use in the Timber Sale Contract for the above referenced sale.

Regional: Numbers 713

Forest: Numbers 101, 106, 201A, 206A, 306, 603, 640

Revised Regional: Numbers 102

Revised Forest: Numbers 104, 173, 201, 202, 203, 204, 204~~tbl~~, 207, 304, 625

Unique: Numbers

PREPARED BY: B. Briggs

Approval of the Forest and attached Revised and Unique SPS's is requested.

Brent A Briggs
Infra Team Leader

Project Name:	Cedar Side Boards	Road Number....	504A	504E	504F	504G	3321A	3321B.1	3321B.2	Revision
Date Prepared:	12/5/07	Const.-Reconst..	1.2 (R)	1.13 (C)	0.57 (C)	0.75 (R)	0.36 (R)	0.95 (R)	0.6 (C)	Date
Spec No.	Title									
SPS 101	Abbreviations		X	X	X	X	X	X	X	( )
102	Definitions		X	X	X	X	X	X	X	4/85
SPS 102	Definitions		X	X	X	X	X	X	X	( )
103	Intent of Contract		X	X	X	X	X	X	X	4/85
104	Maintenance for Traffic		X	X	X	X	X	X	X	4/85
SPS 104	Maintenance for Traffic		X	X	X	X	X	X	X	( )
106	Measurment & Payment		X	X	X	X	X	X	X	4/85
SPS 106	Measurment & Payment		X	X	X	X	X	X	X	( )
173	Construction Staking, Location Line		X	X	X		X		X	4/85
SPS 173	Construction Staking, Location Line		X	X	X		X		X	( )
201	Clearing & Grubbing		X	X	X	X	X	X	X	4/85
SPS 201	Clearing & Grubbing		X	X	X	X	X	X	X	( )
SPS 201A	Roadway Brushing		X							( )
202	Removal of Structures & Obstructions						X			4/85
SPS 202	Removal of Structures & Obstructions						X			(9/17/02)
203	Excavation & Embankment		X	X	X		X		X	4/85
SPS 203	Excavation & Embankment		X	X	X		X		X	( )
204	Soil Erosion & Pollution Control		X	X	X	X	X	X	X	4/85
SPS 204	Soil Erosion & Pollution Control		X	X	X	X	X	X	X	( )
206A	Excavation for Culverts & Minor Structures		X	X			X	X	X	4/85
SPS 206A	Excavation for Culverts & Minor Structures		X	X			X	X	X	( )
207	Developing Water Supply & Watering			X						4/85
SPS 207	Developing Water Supply & Watering			X						( )
304	Aggregate Base & Surface Course			X						4/85
SPS 304	Aggregate Base & Surface Course			X						( )
306	Reconditioning Existing Road		X			X		X		4/85
SPS 306	Reconditioning Existing Road		X			X		X		( )
601	Mobilization		X	X	X	X	X	X	X	4/85
603	Metal Pipe		X	X			X	X	X	4/85
SPS 603	Metal Pipe		X	X			X	X	X	( )
625	Seeding & Mulching		X	X	X		X		X	4/85
SPS 625	Seeding & Mulching		X	X	X		X		X	( )
703	Aggregates			X						4/85
707	Metal Pipe		X	X			X	X	X	4/85
713	Roadside Improvement Materials		X	X	X		X		X	4/85
SPS 713	Roadside Improvement Materials		X	X	X		X		X	(4/96)

Project Name:	Cedar Side Boards	Road Number....	3321C.1	3321C.2	3321E	3335C	3557	3557A		Revision
Date Prepared:	12/5/07	Const.-Reconst..	0.44 (R)	0.52 (C)	0.27 (C)	0.5 (C)	0.35 (R)	0.25 (R)		Date
Spec No.	Title									
SPS 101	Abbreviations		X	X	X	X	X	X		( )
102	Definitions		X	X	X	X	X	X		4/85
SPS 102	Definitions		X	X	X	X	X	X		( )
103	Intent of Contract		X	X	X	X	X	X		4/85
104	Maintenance for Traffic		X	X	X	X	X	X		4/85
SPS 104	Maintenance for Traffic		X	X	X	X	X	X		( )
106	Measurment & Payment		X	X	X	X	X	X		4/85
SPS 106	Measurment & Payment		X	X	X	X	X	X		( )
173	Construction Staking, Location Line			X	X	X	X			4/85
SPS 173	Construction Staking, Location Line			X	X	X	X			( )
201	Clearing & Grubbing		X	X	X	X	X	X		4/85
SPS 201	Clearing & Grubbing		X	X	X	X	X	X		( )
SPS201A	Roadway Brushing									( )
202	Removal of Structures & Obstructions									4/85
SPS 202	Removal of Structures & Obstructions									(09/17/02)
203	Excavation & Embankment			X	X	X	X	X		4/85
SPS 203	Excavation & Embankment			X	X	X	X	X		( )
204	Soil Erosion & Pollution Control		X	X	X	X	X	X		4/85
SPS 204	Soil Erosion & Pollution Control		X	X	X	X	X	X		( )
206A	Excavation for Culverts & Minor Structures		X	X		X		X		4/85
SPS 206A	Excavation for Culverts & Minor Structures		X	X		X		X		( )
207	Developing Water Supply & Watering									4/85
SPS 207	Developing Water Supply & Watering									( )
304	Aggregate Base & Surface Course									4/85
SPS 304	Aggregate Base & Surface Course									( )
306	Reconditioning Existing Road		X				X			4/85
SPS 306	Reconditioning Existing Road		X				X			( )
601	Mobilization		X	X	X	X	X	X		4/85
603	Metal Pipe		X	X		X				4/85
SPS 603	Metal Pipe		X	X		X				( )
625	Seeding & Mulching			X	X	X	X			4/85
SPS 625	Seeding & Mulching			X	X	X	X			( )
640	Road Closure Devices							X		(4/85)
SPS 640	Road Closure Devices							X		( )
703	Aggregates						X			4/85
707	Metal Pipe		X	X		X				4/85
713	Roadside Improvement Materials			X	X	X	X			4/85
SPS 713	Roadside Improvement Materials			X	X	X	X			(4/96)

101.02 Delete in its entirety and substitute the following:

Pay Items & Pay Units

"&	And
AC	Acre
AL.	Aluminum
ASP	Asphalt
AVAIL	Available
BARR	Barrier
BKN	Broken
BST	Bituminous Surface Treatment
CATTLEGD	Cattleguard
CLEAR (CLG)	Clearing
CLEAR/GRUB	Clearing & Grubbing
CMP	Corrugated Metal Pipe
COMP	Compaction
CONC	Concrete
CONST	Construction (Construct)
CTD	Coated (Coating)
CUSH	Cushion
CY (CU YD)	Cubic Yard
CY MI (CYM)	Cubic Yard Mile
DIA	Diameter
DL	Double Lane
DWGS	Drawings
EA	Each
EMB	Embankment
EXC	Excavation
F&I	Furnish & Install
FDN	Foundation
FT	Foot (Feet)
FUNC	Function
GAL	Gallon
GR.	Grade
GRUB	Grubbing
HDPE	High Density Polyethylene
HOR	Horizontal
HR	Hour
HT	Height
I	Install
IN	Inches
INCL	Including (Includes)
IND	Individual
JCT	Junction
L	Logs
LBS	Pounds
LDG	Loading
LF (LIN FT	Linear (lineal) Foot
LS	Lump Sum
LT	Left
MAT'L	Material
M	Metal
MAX	Maximum
MBF	One Thousand Feet Board Measure
MGALS	One Thousand Gallons
MHD	Method
MI	Mile
MIN	Minimum
MISC	Miscellaneous
MP	Mile Post
MSF	One Thousand Square Feet
OTBC	Open Top Box Culvert
P M	Placement Method
PVC	Polyvinylchloride
RD	Road
RECOND	Reconditioning
RECONST	Reconstruction (Reconstruct)
REFL	Reflectorized
RT	Right
STMP (STP)	Stump(s)
SB	Self Balance
SEC	Section
SF	Square Foot (Feet)
SL	Single Lane
SLD	Solid
ST	Slash Treatment
STA	Station (100 Feet)
STA YD	Station Yard
STL	Steel
STR (STRUC)	Structural
SY (SQ YD)	Square Yard
SZ	Size
T&L	Tops & Limbs
TBR	Timber
TH	Thickness
TM	Ton Mile
TO	Turnout
TOL	Turnout Left
TOR	Turnout right
TRS	Trees
UOT	Utilization of timber
VERT	Vertical
W	Width
W/	With
W/O	Without
X-SEC	Cross Section
YD	Yard

Section 102 - Definitions

Add the following:

"Noxious Weeds or Weeds. Any exotic plant species established or that may be introduced in the State which may render land unfit for agriculture, forestry, livestock, wildlife, or other beneficial uses and which is designated by the State's Department of Agriculture, or by the County's weed management district, or by other appropriate agencies having jurisdiction, or as listed on the current "All States Noxious Weed List."

Shop Drawings. Incidental design sheets and/or drawings which the Contractor is required to submit to the Forest Service. Shop drawings shall conform to the contract requirements, but they are not part of the contract drawings. They may be drawings, diagrams, schedules, performance charts, brochures, and similar data prepared by the Contractor, subcontractor, manufacturer, suppliers, or distributors that illustrate how specific portions of the work are to be fabricated or installed.

Weed Management District. A weed management district is any area of land identified for the purpose of weed management or control. Such an identified land area may be, but is not limited to one of the following: a project or job site, a County, two or more Counties, or a National Forest."

Full Bench. Construction or reconstruction consisting of an area where all material is excavated and removed, and where no material is embanked or side cast.

Section 104 - Maintenance for Traffic

104.01
Roads to be Constructed

Delete the second paragraph and replace with the following:

"All ungated roads shall remain open during reconstruction with a three hour maximum delay of traffic.

Prior to the Contractor shutting down any operations, the Contractor shall take such precautions as may be necessary to prevent damage to the project, such as approaches, crossings or intersections; and shall make provisions for normal drainage and minimization of erosion.

In order to reduce resource damage, traffic behind gate on roads 504A, 3321, and 3335 shall be controlled as follows:

The Contractor and the Forest Service shall provide and maintain their own locks for each existing gate in order to limit vehicular use to construction and administrative related traffic only. The contractor shall provide a Multiple Locking Device for the gate of an acceptable design that meets the Contracting Officer's approval. The gates shall be closed and locked at all times except to allow passage of authorized traffic unless otherwise approved by the Contracting Officer."

104.02
Use of roads
By Contractor

Add the following:

The Contractor shall maintain all unpaved Forest Service controlled roads used for hauling of materials under this contract. This work includes surface blading, dust abatement and ditch cleaning as directed by the Contracting Officer. No material shall be side cast onto slopes within 100 ft. slope distance of live streams, 100 ft. of stream channel crossings, or within 20 ft. of cross drain culverts.

104.03
Payment

Add the following:

"The cost of this work has been included in and shall be incidental to Pay Item 203(01)H, and 306(01)."

Section 106 - Measurement & Payment

106.03
Units of Measurement

Under "(a) Cubic Yard, " add the following:

"(4) Material, Compacted in Place. The measurement computed using measurements of length, depth, and width for computation of quantities shall be made along the project when Actual Quantities are shown on the SCHEDULE OF ITEMS."

Section 173 - Construction Staking, Location Line

DESCRIPTION

173.01 Work

Add the following to the second sentence of the first paragraph:

"and re-establishing missing preliminary survey points."

Add the following to the last paragraph:

"Construction staking shall be accomplished by personnel experienced in construction staking methods to the standards as SHOWN ON THE DRAWINGS and as listed in the SCHEDULE OF ITEMS. The party chief for construction staking shall be approved in writing by the Contracting Officer."

MATERIALS

173.02 Stakes

Add:

"The nominal dimension of the wooden stakes shall be:

3/8"X 1-3/4"X 18": For guard, reference, slope, and other stakes.
3/8"X 1-3/4"X 3' : For clearing limit lath.

Colors used for paint or flagging for marking the stakes,lath and clear limits shall be established by the Contracting Officer."

173.03 Survey Note Paper & Books

Add:

"When field notes are generated by the Contractor, bound field books shall be used."

173.04 Government Furnished Documents

Delete the first sentence and add:

"The Contractor will be furnished by the Government, drawings, P-line survey notes, slope stake notes, computer printouts, and other necessary information for construction staking the project."

STAKING
REQUIREMENTS

173.05
Precision

Add the following:

"The work shall meet the following precision: Slope distance accuracy for setting slope stakes shall be 0.5 foot, or 2.0 percent of the slope distance, from the control point to the slope stake, whichever is the larger value.

Slope Distance accuracy for reference stakes set from slope stakes shall be 0.5 foot, or 2.0 percent of the slope distance, measured from the slope stake to the reference, whichever is the larger value. Accuracy of horizontal measurement from the slope stake to the clearing limit shall be 1.0 foot."

173.06
Staking
Notes

Delete in entirety and add the following:

"Staking notes shall be neatly kept in a standard format, approved by the Contracting Officer, in securely fastened field books with stiff covers. Lettering shall be at least 0.15 inch high and legible at a distance of 2.5 feet. Errors shall be deleted by lining out. Crew names, positions, and date shall be recorded in the stake notes at the beginning of each day's work. The Party Chief, or notekeeper, must sign or initial the beginning sheet of each day's work. All notes, including the originals, shall become the property of the Forest Service. All completed field books shall be reviewed, signed, and dated by the Purchaser prior to submittal to the Contracting Officer. All information recorded on the reference stake shall be recorded in the stake notes. In addition the horizontal distance from centerline to each clearing limit shall be recorded.

173.07
Location
Survey Line

Delete in entirety and add the following:

"A preliminary line has been established on the ground for this project. Missing points shall be re-established and marked on the ground with a new stake containing the original information by the Contractor.

173.08 & 173.09 Clearing Limits, Slope Stakes & References

Delete in entirety and add the following:

"The contractor shall establish slope stakes, clearing limits and reference points by one of the following methods as shown in the SCHEDULE OF ITEMS:

173(01)A - Clearing Limit and Slope Stake Combined - Cutside(s) and Through Fills.

Clearing limits shall be established on each side of the designed centerline by using the slope distance information given in the staking notes and verify the minimum clearing limit distances shown on the typical section sheet of the drawings. This point shall be marked by firmly setting a lath in the ground for cutside and through fills. The clearing limit on the fill side in a cut/fill section shall be marked with a flag. The stakes/flag shall be set on lines at approximate right angles to tangents and normal to the central bearing of intersecting tangents. The clearing stake on the cut side or on both sides in through fill areas shall be marked as shown in figure 173-1 with the following information: The designed cut or fill to ditch grade at the slope stake point if there is a ditch or to shoulder grade if there is no ditch; the horizontal distance from the catch point to centerline; whether cut or fill is to ditch grade or shoulder grade; the slope ratio; the width "W" from inside shoulder to outside shoulder; the station; the diameter and length of culvert if section is a culvert section. Any clearing lath damaged or destroyed during clearing operations shall be replaced before starting excavation.

After each section has been slope staked, reference stakes shall be established for slope stake information a minimum of 10 feet slope distance outside the clearing limits, with the following information recorded on them as shown in figure 173-1: The slope distance from the reference stake to the clearing stake and the information shown on the slope stake.

173(01)B - Clearing Limit and Slope Stake Combined - Both Sides.

The requirements for this pay item shall be the same as 173(01)A except that slope stakes and reference stakes shall be established on both sides of the designed centerline at all sections.

173(01)C - Clearing Limit and Slope Stake Combined - Cutside(s) and Through Fills and Layer Place Fills.

Clearing limits shall be established on each side of the designed centerline by using the slope distance information given in the staking notes and verify the minimum clearing limit distances shown on the typical section sheet of the drawings. This point shall be marked by firmly setting a lath in the ground for cutside and through fills. The clearing limit on the fill side in a cut fill section shall be marked with a flag. The stakes/flag shall be set on lines at approximate right angles to tangents and normal to the central bearing of intersecting tangents. The clearing stake on the cut side(s) or on both sides in through fill areas shall be marked as shown in figure 173-1 with the following information: The designed cut or fill to ditch grade at the slope stake point if there is a ditch or to shoulder grade if there is no ditch; the horizontal distance from the catch point to centerline; whether cut or fill is to ditch grade or shoulder grade; the slope ratio; the width "W" from inside shoulder to outside shoulder; the station; the diameter and length of culvert if section is a culvert section. Any clearing lath damaged or destroyed during clearing operations shall be replaced before starting excavation.

In layer place areas, a fill stake shall be marked as shown in figure 173-1 with the following information: The designed fill to shoulder grade, the horizontal distance from the catch point to centerline, the slope ratio, the station, and the slope distance from the reference stake to the designed toe of fill. The fill stake shall be placed alongside the reference stake(s).

After each section has been slope staked, reference stakes shall be established a minimum of 10 fee slope distance outside the clearing limits, with the following information recorded on them as shown in figure 173-1: The slope distance from the reference stake to the clearing stake and the information shown on the slope stake.

173(01)D - Establishment of Fill Stakes in Layer Place Fill Areas.

Toe of fill(s) shall be marked by firmly setting the fill stake in the ground using slope distance information as marked on the fill stake and measured from the reference point. The fill stakes shall be established after clearing has been completed and prior to embankment placement.

173(02)A - Clearing Limit and Slope Stake Separate - Cut Side(s) and Through Fills.

The requirements for this pay item shall be the same as 173(01)A except that the slope stake shall be placed at the slope stake point and shall have the slope stake information recorded on it. The Contractor may elect to mark the slope stake point with a "dummy " stake meeting the requirement of 173.02 and set the slope stake back with the reference stake until after clearing operations. In all cases the slope stake shall be reset to the slope stake point prior to starting excavation. The slope distance marked on the reference stake shall be from the reference stake to the slope stake.

173(02)B - Clearing Limit and Slope Stake Separate - Both Sides.

The requirements for this pay item shall be the same as 173(02)A except that slope stakes and reference stakes shall be established on both sides of the designed centerline at all sections."

173.11 Staking Culverts

Delete in entirety and substitute the following:

"All 36" and larger (or 24" and larger in a live stream) culverts shall be staked by hand level method, or equivalent, with stakes driven on the centerline of the culvert at each end of the culvert. In addition, reference stakes and pipe lath shall be a minimum of 10 feet beyond the anticipated construction limits. Stakes shall be marked with the following:

(a) Pipe Lath:. . . Station, diameter, length, and type of culvert (such as 18"X 36' CMP).
(b) Reference Stake: The vertical and horizontal distances from the stake to the invert at the end of the pipe and the station.
(c) End-of-Pipe Stake:Vertical distance to flowline."

173.14 Marking Stakes

Delete and substitute with the following:

"All stakes shall be marked with a stake pencil that leaves an imprint in the stake. The imprint is required on all marked stakes and all markings shall be legible. Other methods of permanent marking may be approved in writing by the Contracting Officer. Stakes shall be marked as shown in Figure 173-1."

173.15 Approval and Maintenance

After the first paragraph add the following:

"Stake notes shall be returned by the contractor to the Contracting Officer for approval and shall be in the original binder and contain the original number of pages as when furnished to the contractor. The Contracting Officer shall have 15 days from the date the notes are turned in to inspect the work and notify the contractor as to whether the work is acceptable."

MEASUREMENT

173.16 Method

Add the following:

"Construction staking includes re-establishing missing portions of the location line, setting reference stakes, slope stakes, culvert stakes, and clearing limits. The quantity shall be the number of miles, measured to the nearest 0.01 mile, of centerline completed and accepted."

PAYMENT

173.17 Basis

Delete Pay Items and add the following:

Pay Item		Pay Unit
173(01)A -	Establishing Slope Stakes, Cut Side(s) and Through-Fills, Clearing Limit and Slope Stake Combined.	Mi.
173(01)B -	Establishing Slope Stakes, Both Sides, Clearing Limit and Slope Stake Combined.	Mi.
173(01)C -	Establishing Slope Stakes, Cut Side(s) and Through-Fills, Clearing Limit and Slope Stake Combined.	Mi.
173(01)D -	Establishing of Fill Stakes in Layer Placed Fill Areas . . .	Mi.
173(02)A -	Establishing Slope Stakes, Cut Side(s) and Through-Fills, Clearing Limit and Slope Stake Separate.	Mi.
173(02)B -	Establishing Slope Stakes, Both Sides, Clearing Limit and Slope Stake Separate.	Mi.

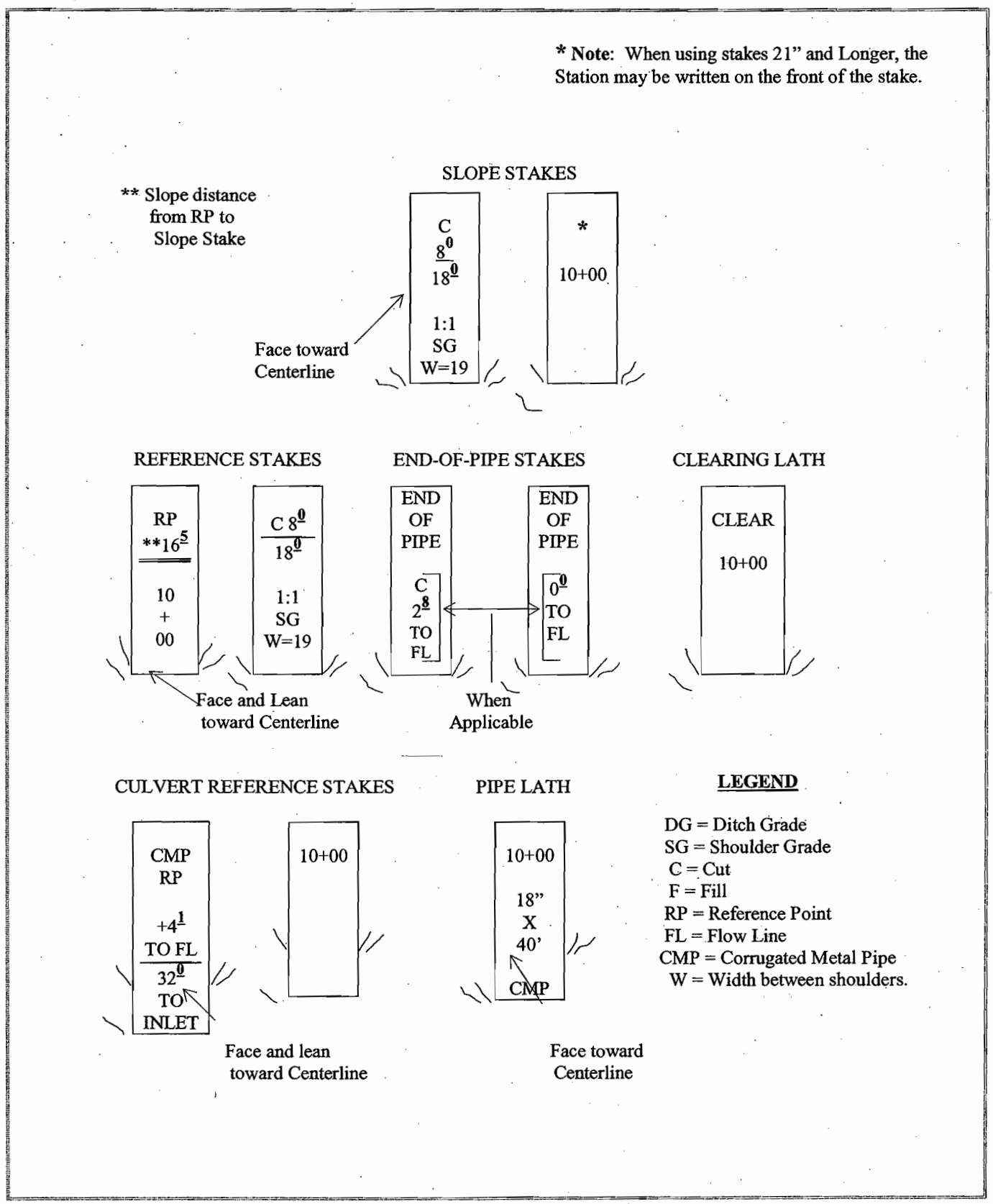

Figure 173 –1 Construction Stakes

Section 201 - Clearing and Grubbing

DESCRIPTION

201.02 Clearing and Grubbing

Replace (a) with:

"(a) Undisturbed stumps outside the roadway or in embankment areas, provided they do not extend more than 1 foot above the original ground nor closer than 1 foot to the finished subgrade and do not interfere with the placement or compaction of embankments."

Add the following:

"(c) Stable trees up to 6 inches in diameter and uncut vegetation less than 3 feet in height and less than 3 inches in diameter within the clearing limits but beyond the roadway that do not interfere with visibility."

Delete the first sentence of the fifth paragraph and replace with the following:

"Trees within the clearing limits may be felled outside the area being cleared."

201.03 Utilization of Timber

Add the following to the first paragraph after the first sentence:

"Timber meeting utilization standards shall be that timber as described in A-2 of the Timber Sale Contract and shall be treated as included timber, except for timber cut on other than National Forest land which shall be handled separately in accordance with the special provisions in the Timber Sale Contract."

201.05 Slash Treatment

(b) Specific Methods.

(6) Chipping. Add the following:

"(6.1) <u>(CHIPPING WITH MAINTENANCE TYPE BRUSH CUTTER-RESIDUE SIZE LIMITED.)</u>

The intent of Method (6.1) Chipping, may be met with a mechanized brush cutter, provided that no residue larger than _3_ inches in diameter and _3_ foot in length remain after the operation is completed."

Delete Method (8) and replace with:

"(8.1) Decking Unmerchantable Material.
(DECKING FIREWOOD)

All reasonably sound logs which do not meet utilization standards but can be used for firewood and are _5_ inches or more in diameter and _6_ feet or more in length shall be limbed and bucked into lengths not to exceed _32_ feet and decked outside the roadway.

The logs shall be decked in a stable position at locations approved by the Contracting Officer. If logs are decked on the lower side of the road they shall be decked in areas where the fill does not exceed _15_ feet in height and shall be placed between the roadbed and the windrow or slash piles and not covered by the windrow or slash piles. Decks shall not be closer than _5_ feet to the shoulder. Logs not suitable for firewood shall be treated by one or more of the slash treatment methods specified for tops and limbs."

Delete Method (11) and replace with:

"(11.1) Piling Construction Slash.
(LARGE CONTINUOUS PILES)

All construction slash shall be placed in piles at the toe of the embankment. Piles shall be stable, compact, uniform, neat in appearance, reasonably free of dirt with all material laid parallel to the roadway. Stumps shall not be placed on top of the pile, but shall be placed in the lower half, on the uphill side of the pile, in a stable position so they will not roll. Piles may extend beyond the clearing limits into adjacent natural openings. Slash may be piled on standing trees. Grubbing of stumps in piling areas is not required.

Length of piles shall not exceed _200_ feet with breaks of at least _20_ feet between piles. Other breaks of at least _20_ feet shall be constructed where big game trails or migratory routes cross the roadway and breaks of at least _20_ feet where cutting unit boundaries marked on the ground intersect the roadway.

At ditch relief culvert locations or at culvert locations in dry or intermittent wet draws, the piles shall not be broken but shall be placed a minimum of _10_ feet below the culvert outlet. At culvert locations in live streams piles shall not be broken but shall be continued at the toe of the embankment over the top of the culvert. No slash shall be allowed to restrict the flow of water from the culvert. No stumps shall be placed in the piles within _50_ feet of the culvert. All piles within _50_ feet of the culvert shall be placed and compacted to insure continuous contact with the ground surface to act as a silt barrier. If there is insufficient slash material available in the immediate area of the culvert location, material within _500_ feet of either side of the culvert shall be conserved and used to construct the piles at the culvert location. Height of the piles shall be determined by the following:

Height of Fill	Height of Piles above Subgrade
5 feet or less	10 feet maximum
greater than 5 feet	5 feet maximum

All slash shall be kept a minimum of _5_ feet from the shoulder of the road and in no case shall the piles reduce sight distance to less than _80_ feet."

"(11.3) Piling and Reducing Slash.
(SMALL PILES AT TOE AND BURNED BY THE FOREST SERVICE)

Construction slash shall be piled in small, compact piles, free of dirt, inside the clearing limits or in adjacent natural or man-made openings. These openings will be selected 50 feet to 200 feet apart in locations where a minimum amount of merchantable trees will be cut to accommodate the piles. All merchantable trees shall be removed within 10 feet of the finished piles. Protruding material shall be trimmed from slash piles and repiled. Stumps 12 inches in diameter or greater, shall be split so that all pieces are less than 12 inches maximum dimension measured across the cut face. The piles shall be left for later burning by the Forest Service."

SECTION 201A - ROADWAY BRUSHING

DESCRIPTION

201A.01 Work limits — This work shall consist of removing limbs, residual slash, live roadside brush, and small trees between, or protruding into, the designated brushing limits. The brushing shall be AS SHOWN ON THE DRAWINGS. Brushing areas shall include turnouts.

CONSTRUCTION

201A.02 Clearing & Brushing — All brush and small trees (6 inches diameter, or less, at the point of cut) inside the brushing limits and outside the roadbed shall be cut off no higher than 4 inches above ground level (6 inches for machine brushing). Should rocks or other obstructions be encountered, the cutting height shall be no higher than 6 inches above the obstruction. Live trees with a diameter larger than 6 inches should be limbed to a height of 15 feet above the road surface. All brush and trees located on the roadbed shall be cut as nearly flush to the road surface as possible so stumps will not become a hazard to automobile tires.

201A.03 Windfalls — Windfalls lying within or across the brushing limits shall be limbed and cut off at a horizontal distance of 10 feet from each shoulder or at the brushing limit, which ever is least. Cut windfall material shall be disposed of as slash.

201A.04 — No brushing debris shall be deposited in the traveled way road junctions and/or ditches of adjoining roads.

201A.06 Slash Treatment — All slash shall be scattered outside the brushing limits without damaging residual trees. Slash shall be defined as any material cut that has a length greater than 36 inches or with a diameter greater than 3 inches at any point. No material shall be deposited in streams, streambeds, culvert inlets or outlets, or drainage ways.

MEASUREMENT

201A.07 Method — The method of measurement, described in Section 106, will be DESIGNATED in the SCHEDULE OF ITEMS.

Linear measurements will be horizontal along the road centerline.

Quantities will be the number of miles (or stations) and fractions thereof along the road centerline, regardless of the amount of work required.

PAYMENT

201A.08 Basis

The accepted quantities will be paid for at the contract unit price for each pay item shown in the SCHEDULE OF ITEMS.

Payment will be made under:

Pay Item		Pay Unit
201A(01)	Roadway Brushing	Mile
201A(02)	Roadway Brushing	Station

Section 202 - Removal of Structures and Obstructions

CONSTRUCTION

202.03 Removal of Bridges, Culverts, And Other Structures

Add to this section:

"All metal pipe removed shall become the property of the Contractor and be removed from National Forest System Lands or shall be crushed and buried within a designated fill approved by the Contracting Officer. The pipes shall be placed in such a manner that all pieces shall extend no closer than two feet from finished grade. All voids and cavities surrounding the pipes shall be filled during backfilling operations.

All untreated woody debris from the removal of log culverts and open top culverts shall be treated with the clearing debris and disposed of by using the same methods required for the adjacent R.O.W. clearing.

Any treated woody debris from the removal of log culverts and open top culverts shall become property of the contractor and be removed from National Forest System Lands and disposed of properly.

Section 203 - Excavation & Embankment

DESCRIPTION

203.01 Work — Insert the word "haul" after the word "roadway" on the first line.

CONSTRUCTION

203.04 Clearing & Grubbing — Add the following to the last sentence:

"..., unless specifically allowed under Section 201."

203.08 Finishing Roadbed the — Add the following:

"For simplification, out-sloping and in-sloping of the travelway have not been reflected in construction staking, however, they will be required as SHOWN ON THE DRAWINGS.

PAYMENT

203.19 Basis — Add the following Pay Item:

Pay Item		Pay Unit
203(01)H	Excavation Placement Method 1, Includes Sta. Yd. Haul	C.Y.

Section 204 - Soil Erosion & Water Pollution Control

DESCRIPTION

204.01
Work

Delete entire subsection and substitute the following:

"This work consists of special temporary and/or permanent construction measures as SHOWN ON THE DRAWINGS and/or listed in this specification to control soil erosion and water pollution. Such measures may include (but are not limited to) filter windrows, slash blankets, brush barriers, drainage devices, earth berms, earthen water bars, sediment basins, aggregate base/surfacing, rock ditches, riprap, seeding, mulching, and/or straw bales.

This work shall also include special construction methods SHOWN ON THE DRAWINGS to control erosion at control areas."

MATERIALS

204.02
Requirements

Delete the 2nd paragraph and substitute the following:

"All other materials shall meet commercial grade standards and shall be approved before being incorporated into the project."

CONSTRUCTION

204.03
Performance

Delete the 2nd paragraph and substitute the following:

"Erosion control measures shall be incorporated into the project no later than the dates specified in Table 204.1. Variations in this schedule must be approved in writing by the Contracting Officer."

Add the following after the 3rd paragraph:

"The following construction requirements shall apply:

a.- Earthwork. Clearing and grubbing, excavation, borrow and embankment operations shall be scheduled and performed so that grading operations and permanent erosion control measures can follow without interference or be constructed within the time periods listed in Table 204.1.

b.- Stream Courses. Temporary culvert installations will not be permitted in live streams unless approved individually in writing by the Contracting Officer. If such approval is granted, temporary culverts shall be offset a sufficient distance so that installation of the permanent culvert can be completed without removal of the temporary culvert. Temporary culverts shall not be removed until flowing water is completely confined to the permanent culvert.

Diversion of live streams to allow work in the streambed shall be performed in such a manner as necessary to prevent erosion. Dikes of sufficient height to divert the flow without being overtopped shall be constructed in the stream above the drainage structure. Water shall be conveyed around the work area by a non-eroding conduit. Watertight pipes, tubing, or lined trenches may be used. Trench or pipe outlet areas shall be protected with plastic or other material approved by the Contracting Officer to insure that diverted water does not cause erosion as it returns to the stream.

Equipment shall not operate in the stream unless authorized by the Contracting Officer. This does not include a one time crossing of the stream to begin installation. After installation of the permanent drainage structure is completed, all dikes, temporary culverts, basins, and trenches shall be removed and the area restored to near natural condition.

c.- Wet Conditions. The contractor shall conduct operations so as to minimize erosion and not develop conditions that will cause erosion. Work may continue during wet conditions as long as erosion and rutting is controlled.

d.- End of Construction Season and prior to Move-out. Any rutted areas and other damaged areas shall be smoothed, sloped and graded to drain. All temporary stream course diversion conduits and temporary culverts shall be removed and the stream returned to its natural channel. All erosion control measures required under this specification shall be functional and approved by the Contracting Officer. The seeding method prescribed in Section 625 shall be used on all areas where work has been completed.

e.- Temporary Seeding and Fertilizing. Temporary seeding and fertilizing shall consist of placing seed in one application by the dry method, 23 lbs. Per acre (pure live seed) as per Subsection 625.05 and 150 lbs. Per acre of fertilizer (that has the same chemical analysis as per 625.05) on those portions of road cut/fill slopes, waste areas and/or other disturbed areas that have been constructed as staked or as directed. Seeding of these areas shall be accomplished within _5_ days of completion of the subgrade, or sooner when specified in writing by the Contracting Officer.

Temporary seeding and fertilizing shall be prior to, and in addition to, any seed and fertilizer specified in Subsection 625.05.

Pounds of pure live seed shall be computed as described in Subsection 625.05.

f.- Straw Mulching. Straw mulching shall consist of the application, by hand or machinery specifically designated for such work, of 1.5 tons per acre of straw mulch meeting the requirements of 713.05(b) on areas designed on the DRAWINGS or on other areas directed by the Contracting Officer.

g.- Filter Windrow. For filter windrow construction, suitable slash shall be conserved from Item 201 Clearing and Grubbing, and stockpiled at approved sites. Slash to be conserved shall consist of tops, limbs, and brush not to exceed 6 inches in diameter and 12 feet in length. Stumps and root wads shall not be included.

Logs of not less than 12-inch diameter shall be placed on the fill slope immediately above and parallel to the toe for the windrow to catch against. Reasonably sound cull logs may be used if available. They shall be firmly anchored against undisturbed stumps, rocks, or trees, or as otherwise directed by the Contracting Officer.

All material in the windrow shall be matted down with construction equipment to form a neat, compact, and uniform pile, so as to effectively halt the flow of sediment. Windrows shall be placed so that they do not interfere with the functioning of drainage structures or block stream channels.

Filter windrows shall be constructed only in locations staked by the Contracting Officer and in accordance with the drawings.

The windrow shall have breaks a minimum of 20 ft. in length at least every _200_ lineal feet and at game trails and ridge tops."

MEASUREMENT

204.04 Method

Add the following to the first paragraph:

"Items not shown in the SCHEDULE OF ITEMS will not be measured."

PAYMENT

204.05
Basis

Add the following:

"Other erosion control work required under this specification and not shown in the SCHEDULE OF ITEMS is considered incidental to pay items in the Section listed in Table 204.1."

TABLE 204.1

SECTION	DURATION	DESCRIPTION OF WORK	TIMING OF CONSTRUCTION
203	Permanent	Culvert Catch Basins and Ditch Transitions	Concurrently with culvert installation.
203	Permanent	Inslope/Outslope as shown on drawings.	Continuously as road is roughed to grade.
203	Permanent	Ditches	Within 5 days of completion of cut & fill slopes.
Incidental to 203	Temporary	Waterbars in all areas of disturbed earth. 1. In areas not roughed to grade or without completed pemanent drainage features: maximum spacing: 100' for road grades over 12% 200' for road grades 6% to 12% 300' for road grades under 6%	Prior to winter shutdown or when construction activity ceases for 15 days or more.
	Permanent	2. In areas where permanent drainage features are completed and no gravel surfacing is specified: Within 20 ft. uphill of all culverts, except in through fill areas. Within 20 ft. uphill of the start of through fills. Approximately halfway between culverts, except in through fill areas as needed to control erosion during periods of winter shutdown. maximum spacing: 100' for road grades over 12% 200' for road grades 6% to 12% 300' for road grades 4 to 6% 1000' for road grades under 4%	Within 5 days of completion of subgrade.
203	Permanent	Drainage Dip Locations shown on the drawings.	Prior to the end of the construction season for all areas roughed to grade.
Incidental to 203	Temporary	Straw Bales/Straw Mulch. As necessary to stabilize eroding areas.	Immediately upon discovery of active erosion.
203	Temporary	Uncompleted Roads. The total length of all roads with uncompleted excavation and embankment, including pioneer roads, shall not exceed 5000 lineal feet between Jun. 1 and Sep. 15 and shall not exceed 2000 lineal feet after Sep. 15.	See description of work. This applies to Roads: 504E, 504F, 3321B.2, 3321C.2, 3321E, 3335C

TABLE 204.1(Cont.)

SECTION	DURATION	DESCRIPTION OF WORK	TIMING OF CONSTRUCTION
204	Temporary	Temporary Seeding and Fertilizing Locations shown on the drawings.	Within 5 days of construction activity or sooner when specified in writing by the Contracting Officer.
204	Temporary	Sediment Basins Locations shown on the drawings.	Prior to pioneer road construction.
603	Permanent	Culverts Live Streams	At time of initial crossing of live streams.
		Cross Drains	Within 5 days of completion of cut & fill slopes.
625	Permanent	Seeding	As specified in Section 625
625	Permanent	Mulching Locations shown on the drawings. Application rate: 1.5 tons of straw mulch per acre.	Immediately after seeding & fertilizing.

Section 206A - Excavation for Culverts & Minor Structures

MEASUREMENT

206A.08 Methods

Add the following:

"(c) For gabion structures, measurement will be to the lines and grades as SHOWN ON THE DRAWINGS."

"(d) Excavation for pipe culverts with diameter of 36 inches or smaller and for pipe arches 42 inches by 29 inches or smaller and drop inlets shall not be measured."

PAYMENT

206A.09 Basis

After the first sentence, add:

"Payment for excavation for pipe culverts with diameter of 36 inches or smaller and for pipe arches 42 inches by 29 inches or smaller and drop inlets shall be included as a subsidiary item to Section 603 and Section 604. No separate payment shall be made under this Section or under Section 603, 603A, 603B, or 604."

Section 207 - Developing Water Supply & Watering

CONSTRUCTION

207.03 Development of Supply & Access

Add the following:

"All activities which may cause siltation or damming of a stream shall be approved in advance of the work, in writing by the Contracting Officer. The intake hose for pumping water from streams shall be equipped with a ¼ inch mesh screen to prevent fish intake. Not more than 20% of the total stream flow shall be pumped (removed) from the stream at any given time."

PAYMENT

207.06 Basis

Delete the first paragraph and substitute with the following:

"Payment for Developing Water Supply & Watering shall be included as a subsidiary item to Section 304. No separate payment shall be made under Section 207."

Section 304 - Aggregate Base or Surface Course

MATERIALS

304.03 Gradation

Delete entire subsection and substitute the following:

"The crushed aggregate gradation shall meet the requirements of Table 703-4 for the grading shown in the SCHEDULE OF ITEMS. Aggregate shall be well graded from coarse to fine within the gradation band."

CONSTRUCTION

304.08 Preparation of Roadbed

The following is added to this subsection:

"The subgrade receiving aggregate shall be compacted to a depth of one foot, in accordance with Subsection 203.15, Method 3. This work shall be considered incidental to Pay Item 304(10)."

304.09 Mixing & Placing

Delete the word "three" from the first sentence of the first paragraph:

304.12 Thickness Requirements

Add the following to this subsection:

"Compensation will not be made for thickness exceeding the specified thickness."

Section 306 - Reconditioning Existing Road

DESCRIPTION

306.01 Delete "scarifying and" from the text.

Add: "and catch basins" following "outlets"

CONSTRUCTION

306.02 Performance Delete the first two paragraphs including (a) and (b) of the second paragraph and replace with the following:

"Scarification of the traveled way and shoulders is not required. Any rock protruding less than two inches may be left in place. Rock protruding in excess of two inches shall be removed or the tops blasted. Resulting holes in the roadway or shoulders shall be backfilled with compacted suitable material."

Section 603 - Metal Pipe

MATERIALS

603.02
Requirements

Delete the second sentence, last paragraph, and add:

"Pipe should not be ordered until culvert locations are DESIGNATED ON THE GROUND and the correct lengths are determined and approved by the Contracting Officer."

CONSTRUCTION

603.06
Joining Pipes

Replace the last sentence of the first paragraph with the following:

"Dimpled bands shall not be used unless approved by the Contracting Officer in writing."

603.08
Backfilling

At the end of the second paragraph, after "Method A or B," add:

"or C"

After Method B, add:

"Method C - Compaction shall be obtained by a minimum of two passes with a mechanical tamper, approved by the Contracting Officer, for each 6-inch layer (loose thickness) of backfill unless otherwise SHOWN ON THE DRAWINGS."

Section 625 - Seeding and Mulching

DESCRIPTION

625.01 Work — Add the following:

"All disturbed areas as well as finished cut and fill slopes are to be treated."

CONSTRUCTION

625.03 Seeding Seasons — Add:

"Time of application shall be as specified:

During the Months marked with an 'X' below:

JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
					X			X	X		

Should climatic conditions permit, application may be performed outside the months marked above upon written approval by the Contracting Officer."

Delete the first and last sentences and add the following:

"Unless otherwise approved, a maximum of 5000 lineal feet of roads(s) may remain unseeded after October 1. A maximum of 5000 lineal feet of road(s) (including pioneer roads) may remain unseeded at the end of any construction season."

625.05 Application Methods for Seed, Fertilizer, & Limestone — The following is added:

"The kinds of seed to be furnished and the amounts to be applied in terms of pure live seed (PLS) shall be as follows:

Native Seed Mix

KIND OF SEED	QUANTITY/ACRE (# OF PLS)	
Slender Wheat grass "Highlander", Or "Pryor"	5	TOTAL
Mt. Brome "Bromar"	6	23# PLS/ACRE
Streambank Wheatgrass "Sodar"	5	
Indian Ricegrass "Nezpar"	4	
White Dutch Clover	3	Inoculation required

Pounds of seed to be furnished per acre shall be obtained by dividing the pounds of pure live seed (PLS) required per acre by the product of the percent purity and percent germination.

Example: $\frac{5(\text{\# PLS/acre})}{0.90 \times 0.85}$ = 6.55 pounds commercial seed per acre. (where purity=90% and germination=85%)

Certified, blue-tagged seed shall be used where a name variety or culivar is specified. Blue tags, which are removed to mix the seed, shall be provided to the Forest.

All seed purchased will be certified to be free of the noxious weed seeds from weeds listed on the current "All States Noxious Weeds List".

Test results from a certified seed analyst and seed analysis labels attached to the bags will be provided to the Forest Service. Lab testing for noxious weeds will be conducted prior to seed mixing. Only after a finding and documentation in writing of no weeds on the current "All States Noxious Weeds List" will the seed be accepted and used.

Seed shall be applied by the Dry method. Fertilizer shall be applied at the rate of 300 pounds per acre in 1 application(s) by the Dry method and have a chemical analysis as listed below:

Nutrient	Percent	Nutrient	Percent
Nitrogen, N . . .	16	Potassium, K. .	16
Phosphorus, P205.	16	Sulphur, S. . .	6 "

625.06 Application of Mulch

The following is added:

"Mulch material shall be certified noxious weed free straw and shall be mechanically applied at a rate of 3000 pounds per acre. The Contractor shall furnish the Contracting Officer with a copy of the certification."

Section 713 - Roadside Improvement Materials

713.04
Seed

Replace the first paragraph with the following paragraph:

The kinds of grass, legumes and cover-crop seed furnished shall be those stipulated in the SPECIAL PROJECT SPECIFICATIONS. All seed shall meet the requirements of Federal Specification-JJJ-S-181 which shall be amended as follows:

All seed purchased shall be certified to be free of noxious weed seeds from weeds listed on the current "All States Noxious Weeds List."

Replace the second paragraph with the following paragraph:

Seed shall be furnished separately or in mixture in standard containers with (1) seed name; (2) lot number; (3) net weight; (4) percentages of purity and of germination (in case of legumes, percentage of germination to include hard seed); and (5) percentage of maximum weed seed content clearly marked for each kind of seed. The contractor shall furnish the Contracting Officer duplicate signed copies of a statement certifying that each lot of seed has been tested by a certified seed analyst. This statement shall include (1) name and address of laboratory, (2) date of test, (3) lot number for each kind of seed, and (4) results of tests as to name, percentages of purity and of germination, and percentage of weed content for each kind of seed furnished, and, in case of a mixture, the proportions of each kind of seed. Laboratory testing for noxious weeds shall be conducted prior to seed mixing. Only after a finding and documentation in writing of no weeds on the current "All States Noxious Weeds List" will the seed be accepted and used. Legume seed shall be inoculated with approved cultures in accordance with the instructions of the manufacturer. Seed analysis labels attached to the bags shall be provided to the Forest Service.

Section 640 - Road Closure Devices

CONSTRUCTION

640.03
Performance Add the following to the end of the first sentence in the first paragraph:

"or DESIGNATED ON THE GROUND by the Engineer."

Delete the third paragraph and replace with the following:

"After assembly, nongalvanized steel pipe gates shall be cleaned and painted with one coat of zinc-rich primer of the color SHOWN ON THE DRAWINGS."

Add the following to this subsection:

"The Contractor shall notify the Engineer at least one week prior to installing any road closure device. The Contractor shall install all regulatory signs, barricade markers, and object markers as SHOWN ON THE DRAWINGS, immediately upon installation of the road closure device.

The road closure device shall be installed within __5___ days from the time construction begins on the road where the device is required."