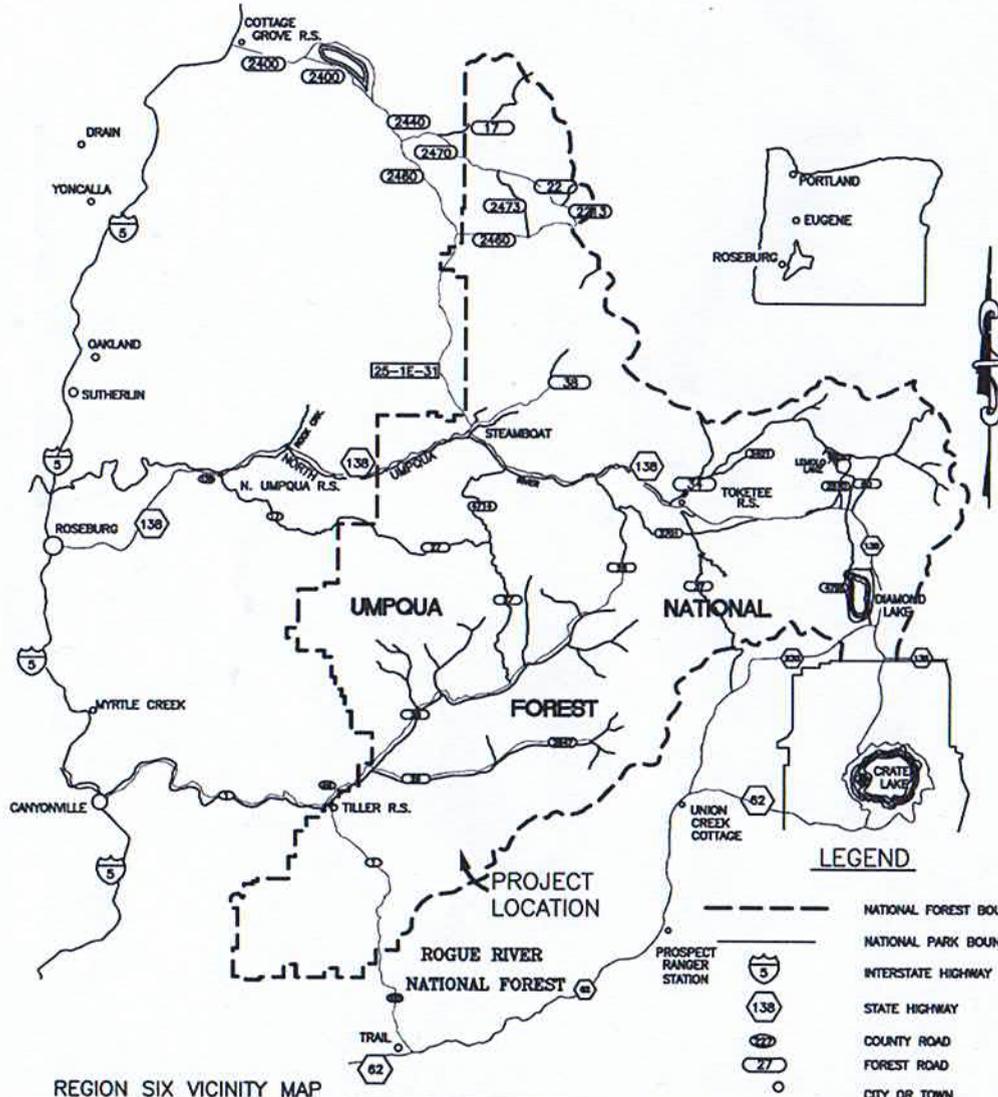




U.S. DEPARTMENT of AGRICULTURE
FOREST SERVICE
UMPQUA NATIONAL FOREST
TILLER RANGER DISTRICT



REGION SIX VICINITY MAP

INDEX

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06	CULVERT AGGREGATE PLACEMENT
07	ROAD RECONDITIONING DETAILS
08	DRAIN DIP DETAILS
09-11	GRADE SAG DETAILS
12	JACKSON CRK BRIDGE DETAILS
13-16	RD 31 WORKLIST
16	RD 3100-037 WORKLIST
17	RD 3100-500 WORKLIST
18	RD 3100-600 WORKLIST

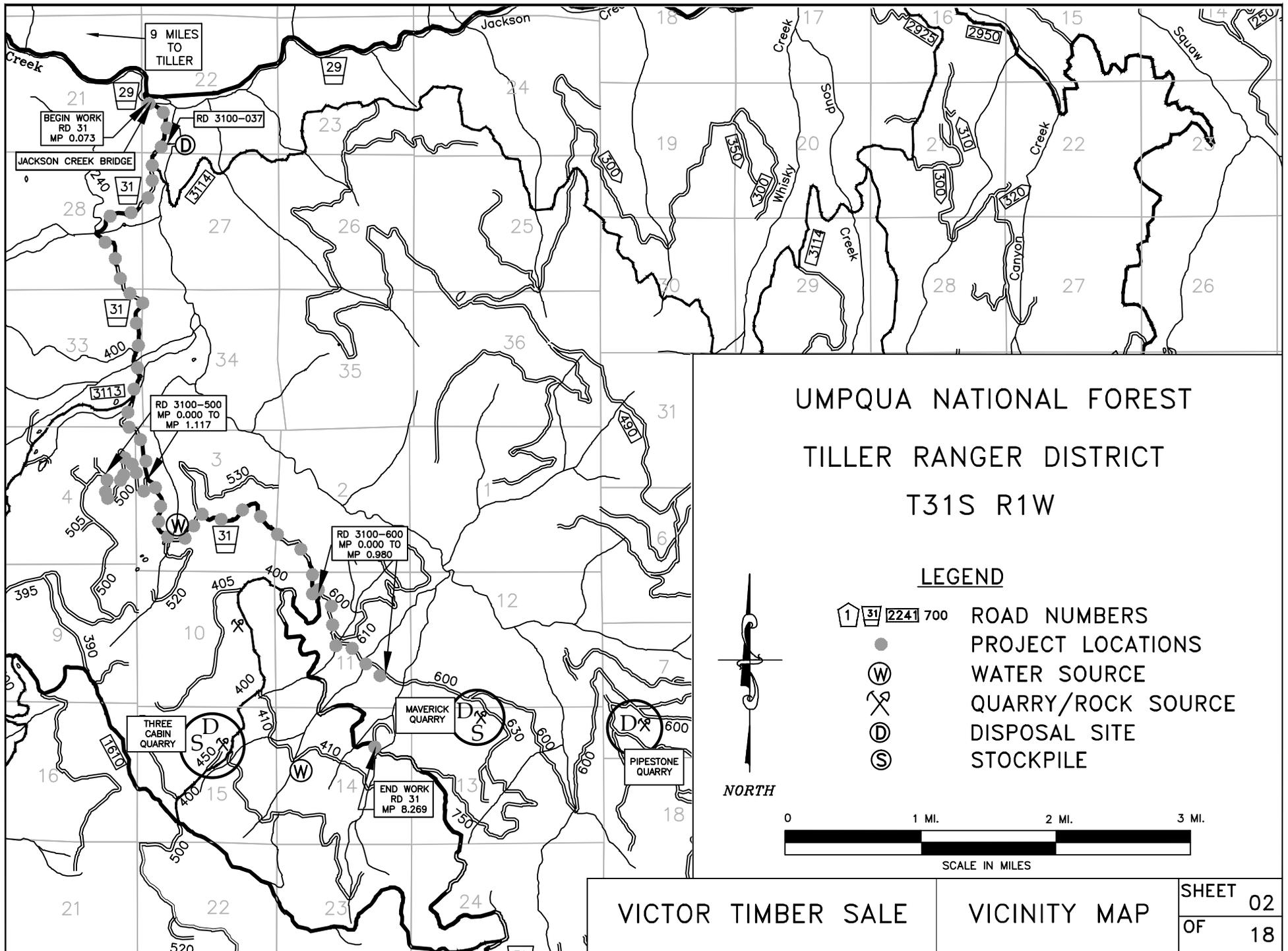
PROPOSED PROJECT

ROAD NUMBER	MILES	TYPE OF WORK
31	8.20	RECONSTRUCTION
3100-037	0.03	RECONSTRUCTION
3100-500	0.99	RECONSTRUCTION
3100-600	0.98	RECONSTRUCTION

RECOMMENDED BY: <i>Miles R. Barklum</i> 6/27/12 TRANSPORTATION ENGINEER DATE	DESIGNED BY: <i>John W. Pifer Jr.</i> 06.22.2012 DATE
APPROVED BY: <i>Nancy Andriuch</i> 6-28-12 DISTRICT RANGER DATE	PLAN IN HAND BY: <i>Miles R. Barklum</i> 6/27/12 DATE
<i>Nancy Andriuch</i> 6-27-12 FOREST ENGINEER DATE	REVIEWED BY: <i>Nancy Andriuch</i> 6/27/2012 PROJECT TEAM LEADER DATE

VICTOR TIMBER SALE

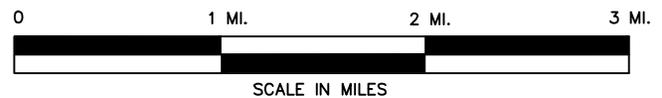
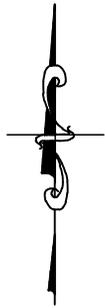
SHEET 01
OF 18



UMPQUA NATIONAL FOREST
 TILLER RANGER DISTRICT
 T31S R1W

LEGEND

-    700 ROAD NUMBERS
-  PROJECT LOCATIONS
-  WATER SOURCE
-  QUARRY/ROCK SOURCE
-  DISPOSAL SITE
-  STOCKPILE



VICTOR TIMBER SALE

VICINITY MAP

SHEET	02
OF	18

ESTIMATE OF QUANTITIES

NOTES: 1. All volume unit pay items are measured in-place. All reference to quantities of excavated volumes refer to original insitu (prior to excavation) volume. 2. See worklists and vicinity map for further description and location of work. 3. All units are measured as Actual Quantity unless denoted by an asterisk (*). If denoted by an asterisk (*), the quantity is measured as a Contract Quantity in accordance with FP-03 109.2.	Road No.	31	3100-037	3100-500	3100-600	NOTES: 4. Obtain aggregate and riprap from Three Cabin Quarry located on Forest Road 1610-450, T 31 S, R 1 W, Sec 15 5. All waste material from excavation shall be hauled to the approved disposal site at the end of Rd 3100-037. Any woody debris, slash or boulders shall be disposed of at the approved and designated disposal site at Three Cabin Quarry.
	Project Length (Miles)	8.20	0.03	0.99	0.98	
	Work Type	Reconstruction	Reconstruction	Reconstruction	Reconstruction	

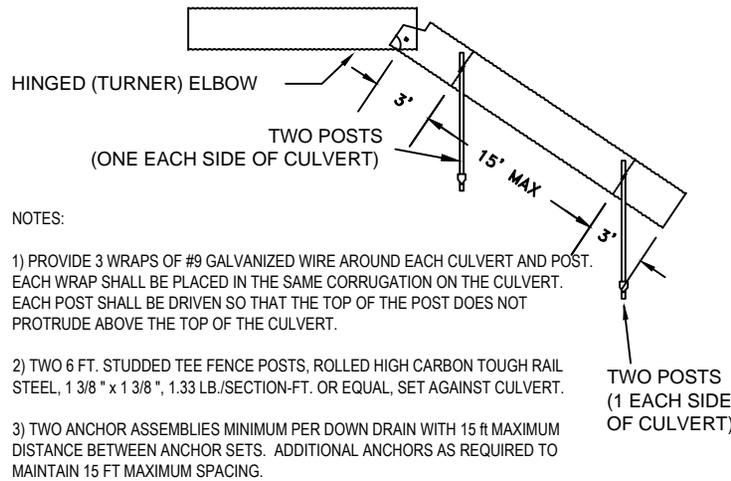
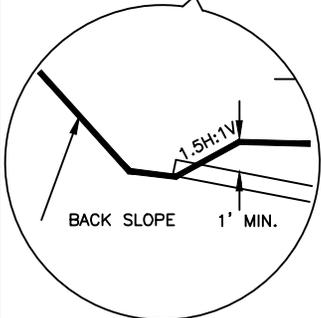
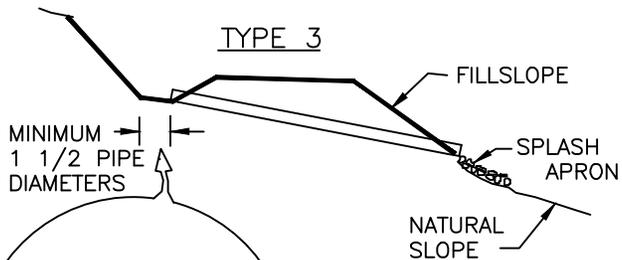
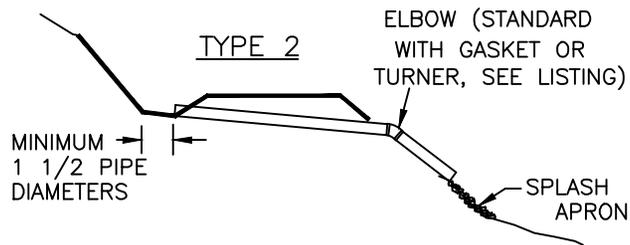
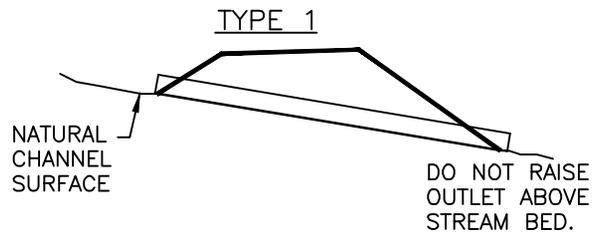
Pay Item	Description	Unit					Total Quantities	Remarks
151-01	Mobilization	Lump Sum	ALL REQUIRED				1	Mobilization for all roads.
203-01.1	Removal of metal culverts, ditch relief. Method A.	Each	3			1	4	
203-01.2	Removal of metal culverts, stream crossing. Method A.	Each			1		1	
203-04	Removal and disposal of existing asphalt. Method A.	Lump Sum	1				1	
204-20.1	Drainage excavation, type grade sag.	Each	1				1	
204-20.2	Drainage excavation, type drain dip.	Each			8		8	
204-34	Waste, placing and shaping waste material.	Lump Sum		1			1	
251-01.2	Placed riprap, Class 2.	Cubic Yard*	110 sag 1 outlet				111	Grade Sag: subgrade reinforcement. outlet: culvert outlet protection.
251-01.3	Placed riprap, Class 3.	Cubic Yard*	37				37	Culvert outlet.
251-01.4	Placed riprap, Class 4.	Cubic Yard*	22				22	Grade Sag scour.
303-57	Roadway Reconditioning. Compaction Method B.	Mile	5.85			0.98	6.83	
322-32	Haul and place stockpiled aggregate. Compaction Method B.	Cubic Yard*	93		5	5	103	
403-51	State of Oregon DOT HMA, ½-inch dense graded, level 3.	Ton	28				28	
602-63.18A	18 inch aluminized steel, corrugated steel pipe, .064 inch thickness. Method B.	Linear Foot	418				418	
602-63.18B	18 inch aluminized steel, corrugated steel pipe, .064 inch thickness. Method B.	Linear Foot				50	50	
602-75.24	24-inch High Density Polyethylene (HDPE) pipe with smooth interior and annular exterior. Method B.	Linear Foot			66		66	
606-02.18	Spillway Assembly, 18-inch full-circle outlet pipe.	Linear Foot	20				20	
606-04.18	Anchors for downdrain, 18-inch pipe.	Each	2				2	
606-05.18	Pipe elbow, Turner.	Each	1				1	

VICTOR TIMBER SALE

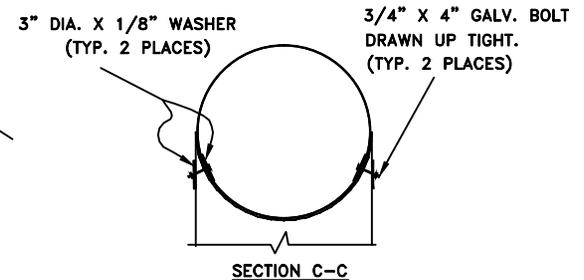
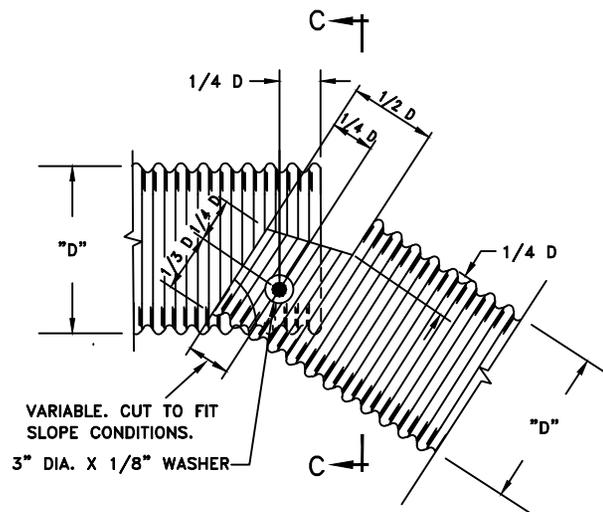
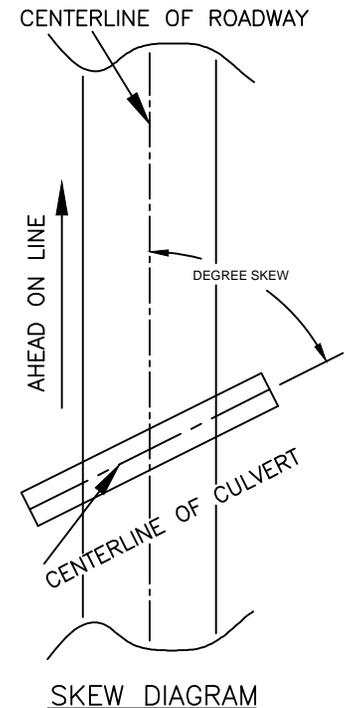
ESTIMATE OF QUANTITIES

SHEET	03
OF	18

LOCATION AND CULVERT LENGTHS				INSTALLATION DETAILS AND SPECIAL SECTIONS									RIPRAP REQUIREMENTS									Remarks							
DESIGNED				AS BUILT				CORRUGATED METAL PIPE			SPILLWAYS			BEVELED DROP INLET			HEADWALL			SPLASH APRON			SLOPE PROTECTION			SUBGRADE REINFORCEMENT			
MP	STA (FT)	LENGTH (FT)	DEGREE SKEW	MP	STA (FT)	SKEW	LENGTH (FT)	DIA (IN)	TH (IN)	TYPE	DOWN-DRAIN LENGTH (FT)	ANCHORS (EA)	ELBOW	DIA (IN)	LENGTH (FT)	"B" ANGLE	CY	CLASS	TYPE	CY	CLASS		TYPE	CY	CLASS	TYPE	CY	CLASS	TYPE
Road 31																													
0.835		50	70					18	0.064	3																			Construct catch basin.
1.036		44	84					18	0.064	3																			Construct catch basin & ditch dam.
1.089		38	70					18	0.064	3																			Construct catch basin.
1.598		44	72					18	0.064	3																			Construct catch basin.
1.936		40	*same					18	0.064	3																			Remove existing culvert. Construct catch basin.
2.736		40	60					18	0.064	3																			Construct catch basin.
2.853		46	76					18	0.064	3																			
3.491		Ex	Ex					18	Ex	2	20	2	1																Turner elbow.
4.166		50	*same					18	0.640	1																			Remove existing culvert. Stream Crossing.
4.221																						22	4			93	2		Grade sag reconstruction.
4.313		66	*same					24	0.640	1																			Remove existing culvert. Stream Crossing.
8.269																						1	2						Rip rap at outlet.
Road 3100-500																													
0.130		66	as staked					24																					24-inch High Density Polyethylene (HDPE) pipe with smooth interior and annular exterior. Remove existing culvert.
0.283																													Reshape drain dip.
0.422																													Reshape drain dip.
0.602																													Reshape drain dip.
0.829																													Reshape drain dip.
0.867																													Reshape drain dip.
0.975																													Reshape drain dip.
1.042																													Reshape drain dip.
1.117																													Reshape drain dip.
Road 3100-600																													
0.347		50	*same					18	0.064	3																			Remove existing culvert.
NOTES:																													
<p>1) Staking for culverts has been completed by the Forest Service. Culvert lengths and locations are based on as-staked conditions. Install culverts as staked.</p> <p>2) Excavations for new culverts and culvert replacements are generally deeper than existing culvert installations. Excavation of solid rock may be required in some locations.</p> <p>3) Dimpled bands shall not be used on downpipes, elbows, or pipes laid on grades greater than 15%.</p> <p>4) Unless shown otherwise, where cover heights exceed 10-feet, culverts shall be cambered an amount equal to 0.5% of the culvert length.</p> <p>5) Riprap shall be placed to the minimum dimensions shown on typical section drawings.</p> <p>6) Refer to Sheet 05 for typical Culvert Construction Details and Sheet 06 for Aggregate Placement Typical for Culverts. Refer to Sheets 09-11 for Grade Sag details. Refer to Sheet 08 for drain dip details.</p> <p>7) Skew is in Degrees. From Center Line of roadway, looking ahead on line, turn angle right.</p> <p>8) Ex = Existing culvert, not to be replaced.</p> <p>9) *same = skew is same as replaced culvert.</p>																													
VICTOR TIMBER SALE														DRAINAGE LIST														SHEET 04	
																												OF 18	

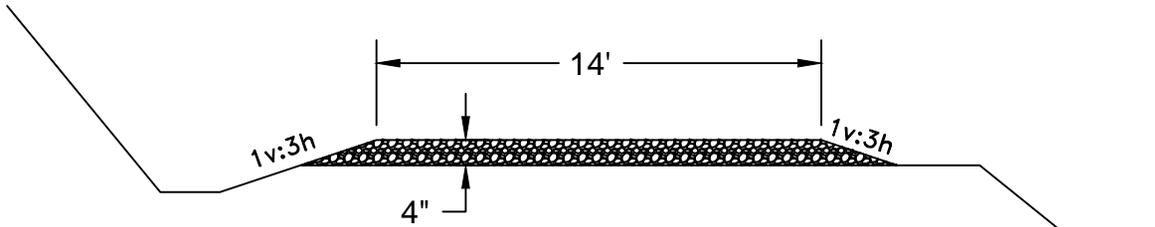


SPECIAL ANCHORING FOR TYPE 2 (DOWNDRAIN)

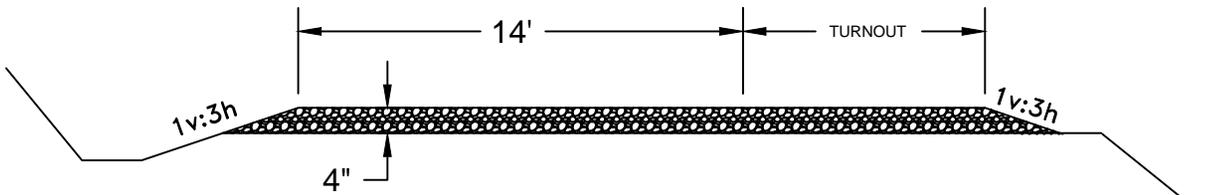


TURNER ELBOW DETAILS

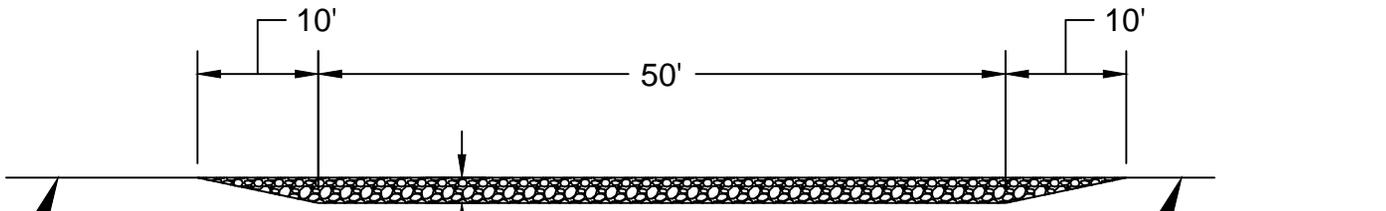
DRAWINGS NOT TO SCALE. REFER TO THE SPECIFIC CULVERT ON WORKLIST.



AGGREGATE PLACEMENT CROSS SECTION,
USE OVER NEW AND REPLACED CULVERTS



AGGREGATE PLACEMENT CROSS SECTION,
WITH TURNOUT
USE OVER NEW AND REPLACED CULVERTS



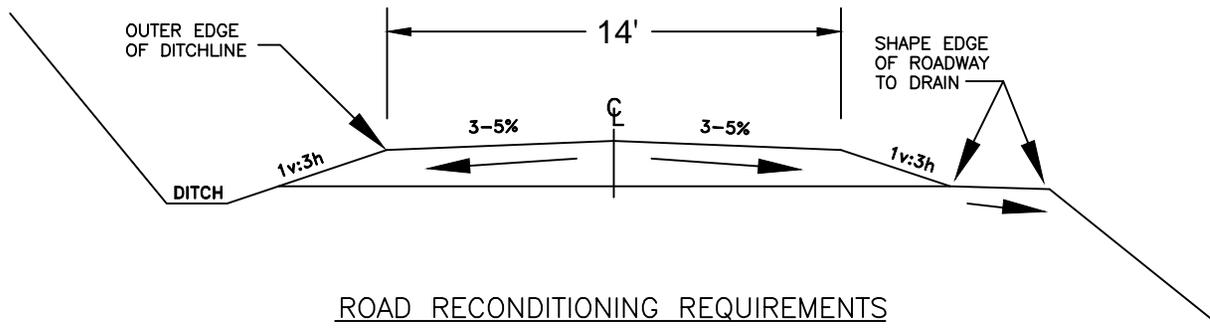
AGGREGATE PLACEMENT
CENTERLINE PROFILE
USE OVER NEW AND REPLACED CULVERTS

NOTES:

1. THESE TYPICALS APPLY TO ALL AREAS REQUIRING SUPPLEMENTAL AGGREGATE PLACEMENT OVER NEWLY INSTALLED AND REPLACED CULVERTS.
2. REFER TO WORKLIST FOR LOCATIONS. ITEM 322-32 QUANTITIES ARE INTENDED TO SUPPLEMENT EXISTING MATERIALS CONSERVED DURING CONSTRUCTION.
3. RECONDITION ENTIRE SUBGRADE LENGTH AS SPECIFIED IN PROFILE DRAWING PRIOR TO AGGREGATE PLACEMENT.

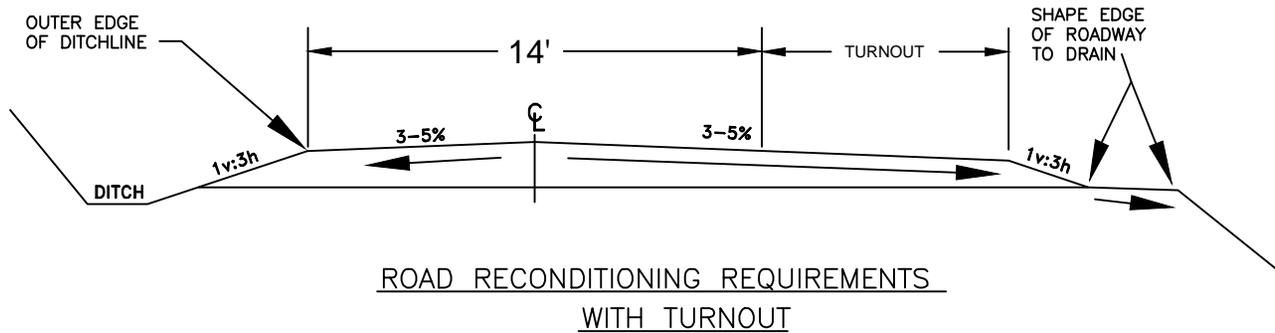
DRAWINGS NOT TO SCALE. REFER TO THE WORKLIST.

VICTOR TIMBER SALE	AGGREGATE PLACEMENT TYPICAL FOR CULVERTS	SHEET 06
		OF 18



NOTES:

1. RE-ESTABLISH A 14-FT WIDE TRAVELWAY MEASURED FROM THE OUTER EDGE OF DITCHLINE.
2. CROWN RECONDITIONED TRAVELWAY. SLOPE 3-5% AWAY FROM CENTERLINE OF TRAVELWAY.
3. CREATE A 1v:3h SLOPE AT EDGE OF RECONDITIONED TRAVELWAY.
4. SEE WORKLIST FOR TURNOUT WORK DESCRIPTION. (SHEET 13)



DRAWINGS NOT TO SCALE. REFER TO THE WORKLIST.

VICTOR TIMBER SALE

ROAD RECONDITIONING
TYPICAL

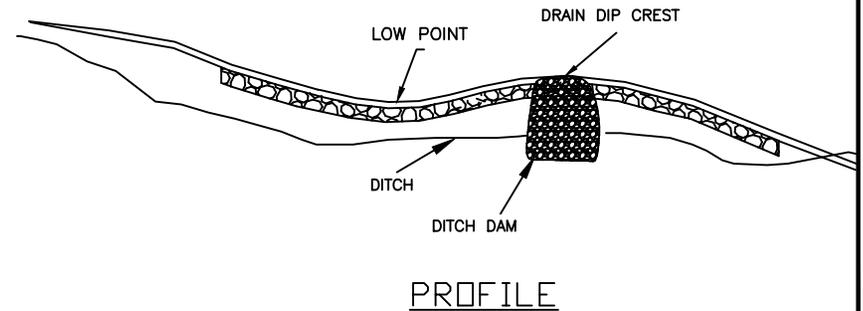
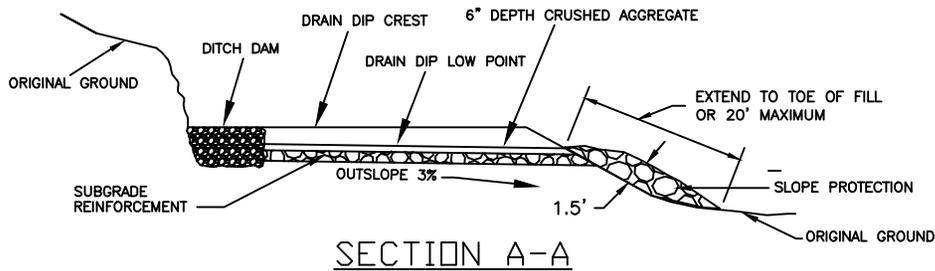
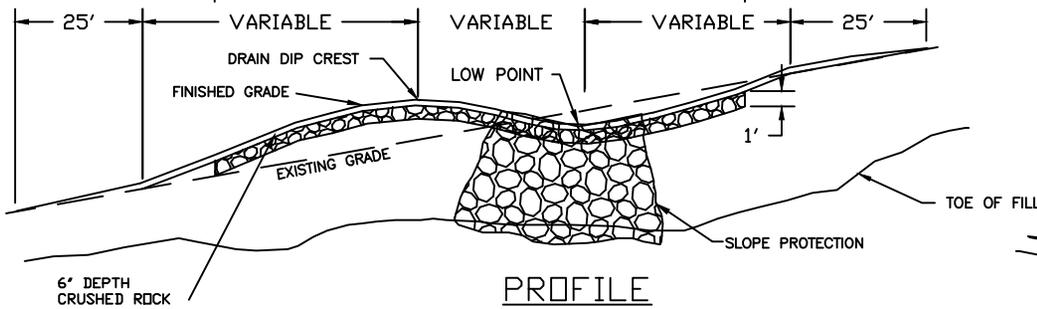
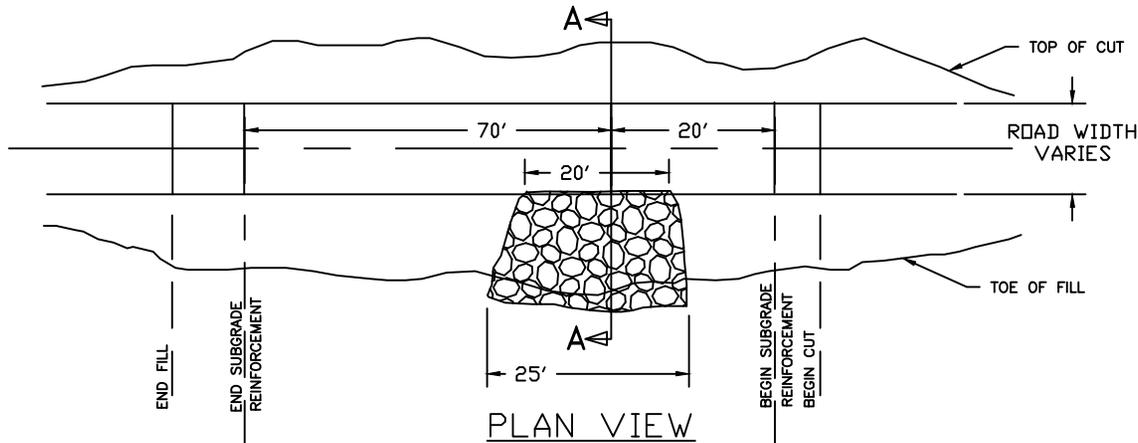
SHEET	07
OF	18

ITEM 204-20.2 DRAIN DIP

NOT TO SCALE. REFER TO WORKLISTS FOR LOCATIONS AND QUANTITIES.

NOTES:

1. LOW POINT OF DRAIN DIP SHALL BE 1.0 FEET LOWER IN ELEVATION THAN THE DRAIN DIP CREST.
2. WHERE DITCHES ARE GREATER THAN 1 FOOT DEEP, BLEND LEAD-IN DITCH TO MATCH FINISHED ELEVATION OF DRAIN DIP LOW POINT.
3. RECONSTRUCT OR IMPROVE DITCH DAMS TO ALLOW DITCH WATER TO FLOW ACROSS LOW POINT OF DRAIN DIP.
4. CLEARING AND GRUBBING OF EXISTING SURFACES MAY BE REQUIRED AND IS INCIDENTAL TO ITEM 204-20.2. CLEARED MATERIAL MAY BE PLACED ON ADJACENT FILL SLOPES.
5. SUBGRADE REINFORCEMENT AND SLOPE PROTECTION QUANTITIES AND TYPES SHOWN ON WORKLISTS AND DRAINAGE LISTING.
6. CONSERVE EXISTING SURFACE ROCK AND REPLACE ON NEW SUBGRADE. THIS WORK IS INCIDENTAL TO ITEM 204-20.2.
7. DO NOT DISTURB EXISTING ARMOR IN LOW POINT OF DRAIN DIP.

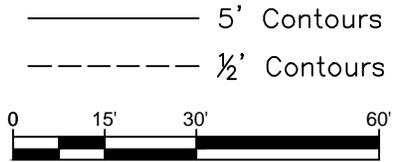


VICTOR TIMBER SALE

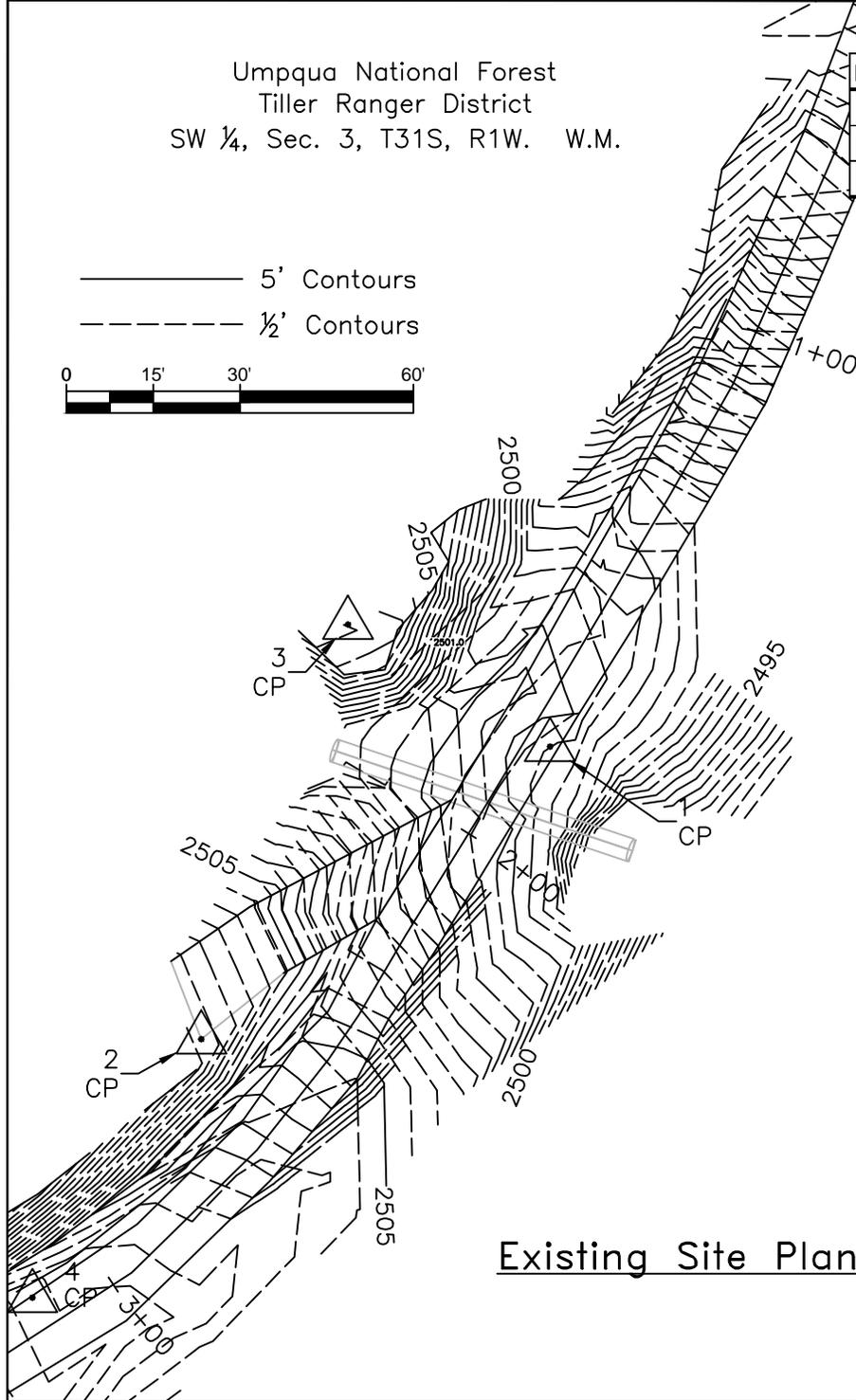
DRAIN DIP DETAILS

SHEET 08
OF 18

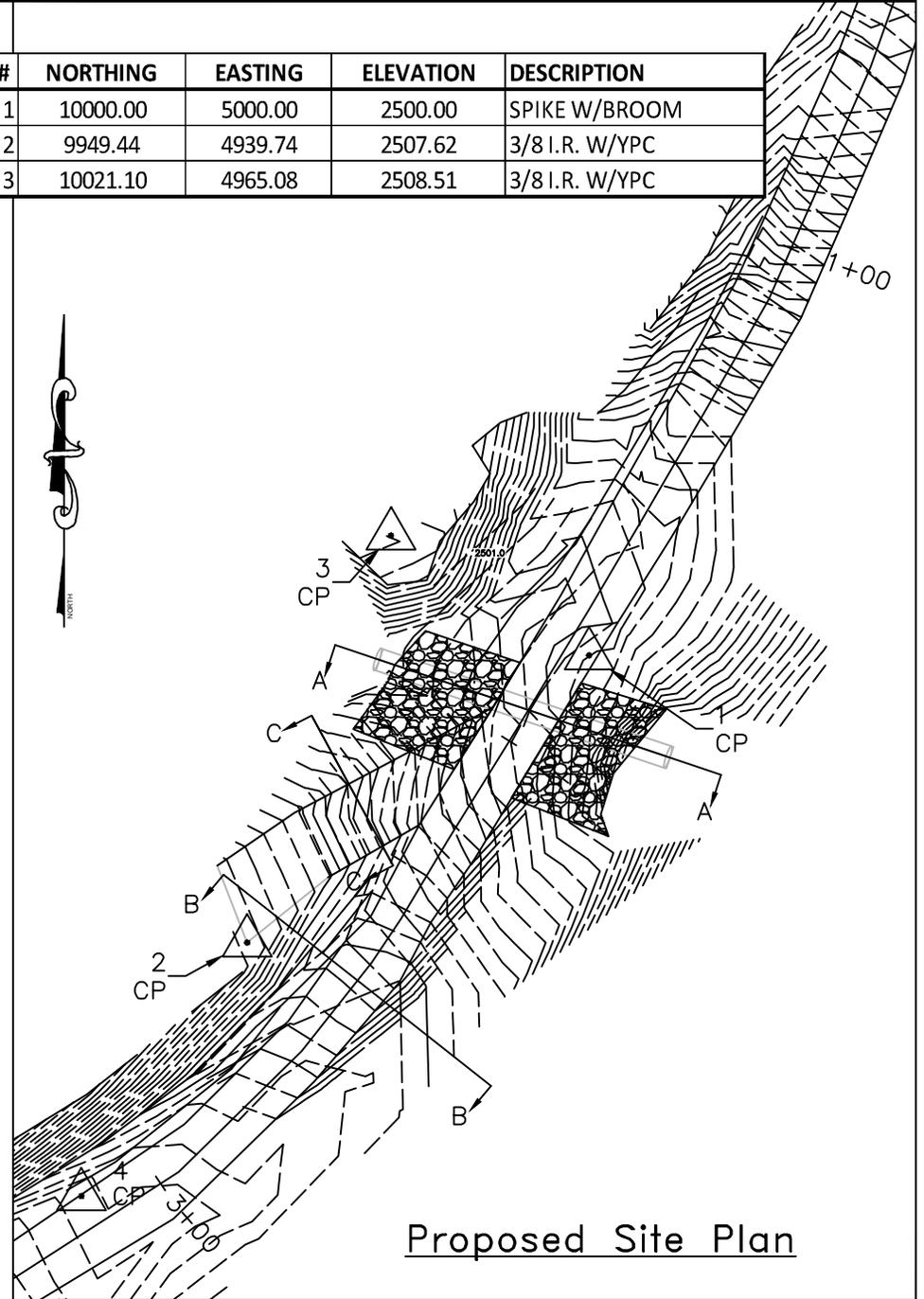
Umpqua National Forest
 Tiller Ranger District
 SW ¼, Sec. 3, T31S, R1W. W.M.



POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	10000.00	5000.00	2500.00	SPIKE W/BROOM
2	9949.44	4939.74	2507.62	3/8 I.R. W/YPC
3	10021.10	4965.08	2508.51	3/8 I.R. W/YPC



Existing Site Plan

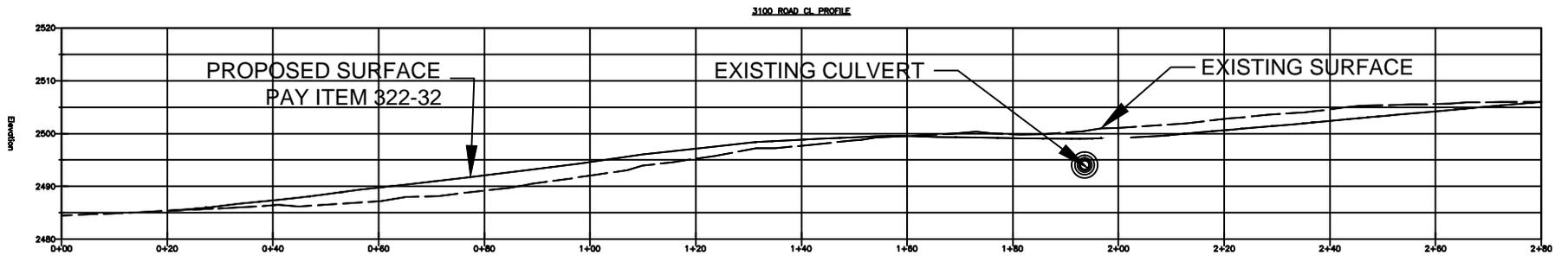


Proposed Site Plan

VICTOR TIMBER
 SALE

EXISTING & PROPOSED
 SITE PLAN
 RD. 31 MP 4.221

SHEET 09
 OF 18



NOTES:

1) Elevations given are at Centerline.

2) New Road surface will have an outslope between 4–5%.

3) Blend (transition) road outslope from sag low point to existing road slopes at each end of grade sag construction area.

4) Eliminate existing ditches within area of grade sag construction. crest of profile shall fill across existing ditch line.

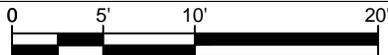
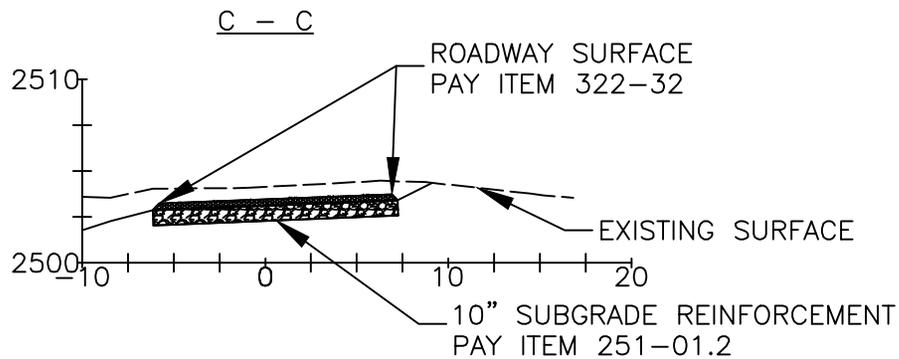
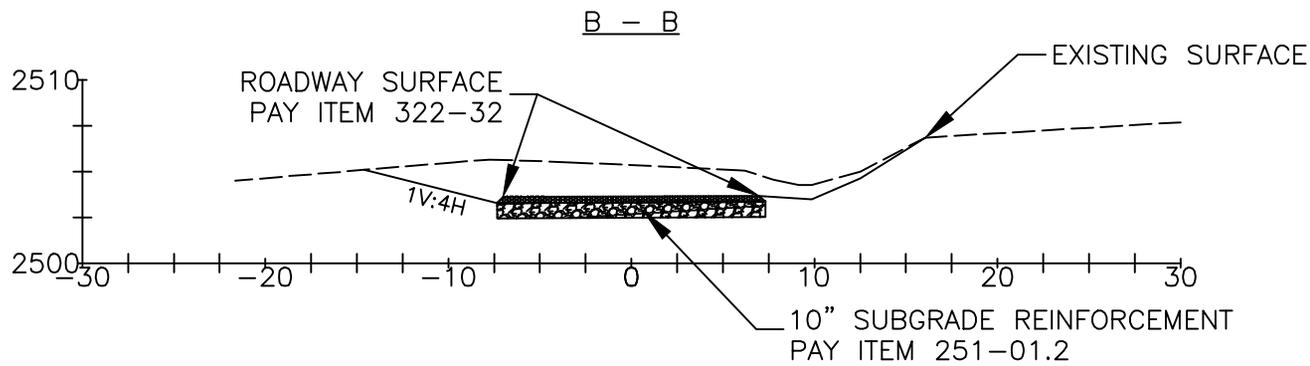
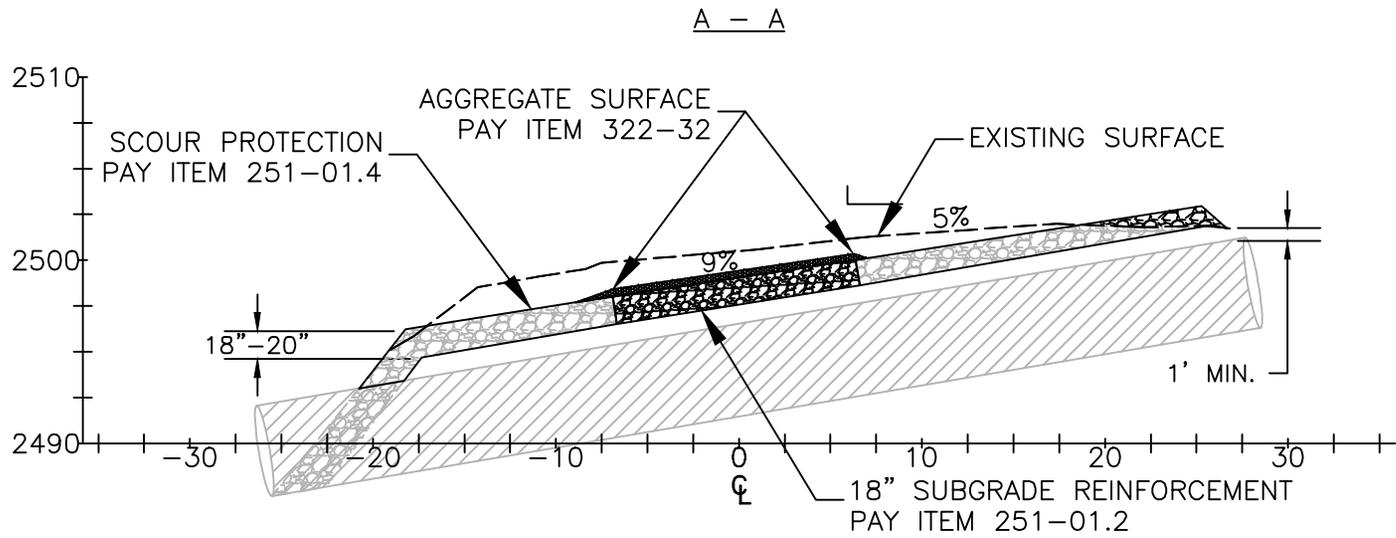
5) Low point of grade sag shall be 0.50' – 0.70' lower in elevation than crest of grade sag at centerline.

STATION AT CENTERLINE	CUT/FILL TO FINAL GRADE	NORTHING	EASTING	FINAL ELEVATION	NOTE
0+20	0	10145.72	5065.72	2485.37	BEGIN CONSTRUCTION
0+40	+0.89'	10127.26	5058.03	2487.35	
0+60	+2.57'	10108.42	5051.31	2489.78	
0+80	+2.87'	10089.96	5043.65	2492.08	BEGIN SUBGRADE REINFORCEMENT
1+00	+2.60'	10071.64	5035.60	2494.64	
1+20	+1.88'	10053.80	5026.62	2497.13	
1+40	+1.11'	10036.46	5016.66	2498.82	
1+60	+0.11'	10019.20	5006.55	2499.62	CREST OF SAG
1+80	-0.79'	10002.03	4996.30	2499.10	
1+93.52	-1.46'	9990.37	4989.26	2499.02	LOW POINT OF SAG
2+00	-1.83'	9984.93	4985.93	2499.20	
2+20	-2.10'	9967.92	4975.42	2500.63	END SUBGRADE REINFORCEMENT
2+40	-2.18'	9950.84	4965.02	2502.42	
2+60	-1.39'	9934.89	4952.97	2504.19	
2+80	0	9920.39	4939.24	2505.95	END CONSTRUCTION

**VICTOR TIMBER
SALE**

PROFILE, NOTES, & EXISTING
FINISHED GRADE TABLE
RD. 31 MP 4.221

SHEET 10
OF 18



VICTOR TIMBER
SALE

CROSS SECTIONS
RD. 31 MP 4.221

SHEET	11
OF	18

MP	SPECIFIED ROAD WORKLIST- ROAD 31	PAY ITEM	QUANTITY	
0.000	Intersection of Road 29 and Road 31.			
0.073	Begin road reconstruction. Single lane concrete bridge. Replace bridge wearing surface. See Sheet 12 for Scope of Work.	203-04 403-51	1 LS 28 Ton	
0.150	End existing pavement. Begin reconditioning existing roadway. Conserve and utilize the aggregate that has scattered onto the shoulders of the roadway and re-incorporate into the traveled way. Scarify aggregate surface in accordance with FP-03 303.06. Shape and compact the traveled way, shoulders and existing staked turnouts (see Sheet 07). Existing staked turnouts are 10' X 65' plus transitions, except M.P. 1.237 is 6' X 65' plus transitions. Existing staked turnouts have variable length transitions. Mile post stakes are at approximate center of turnout.	303-57	5.85 MILE	
0.221	Existing 18" CMP. Place Class 3 riprap in outlet scour hole.	251-01.3	37 CY	
0.243	Center of turnout, left.			
0.404	Center of turnout, left.			
0.525	Center of turnout, left.			
0.612	Intersection of Road 31 & 3100-037.			
0.736	Center of turnout, left.			
0.835	Install a new 18" CMP. Conserve and utilize existing aggregate from roadbed at pipe excavation site. Suitable material from existing excavation may be used as backfill material. Replace conserved aggregate on road surface, supplementing the aggregate surface with 5 cubic yards of material obtained from Three Cabin Quarry (see Sheet 06 for placement typical). Any unsuitable backfill material, woody debris, slash or boulders from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03). Construct catch basin.	322-32 602-63.18A	5 CY 50 LF	
0.986	Center of turnout, left.			
1.036	Install a new 18" CMP. Conserve and utilize existing aggregate from roadbed at pipe excavation site. Suitable material from existing excavation may be used as backfill material. Replace conserved aggregate on road surface, supplementing the aggregate surface with 5 cubic yards of material obtained from Three Cabin Quarry (see Sheet 06 for placement typical). Any unsuitable backfill material, woody debris, slash or boulders from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03). Construct catch basin and ditch dam.	322-32 602-63.18A	5 CY 44 LF	
1.065	Center of turnout, left.			
1.089	Install a new 18" CMP. Conserve and utilize existing aggregate from roadbed at pipe excavation site. Suitable material from existing excavation may be used as backfill material. Replace conserved aggregate on road surface, supplementing the aggregate surface with 5 cubic yards of material obtained from Three Cabin Quarry (see Sheet 06 for placement typical). Any unsuitable backfill material, woody debris, slash or boulders from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03). Construct catch basin.	322-32 602-63.18A	5 CY 38 LF	
1.237	Center of turnout, left.			
1.444	Intersection of Road 31 & 3100-240.			
		VICTOR TIMBER SALE	RD 31 WORKLIST	SHEET 13 OF 18

MP	SPECIFIED ROAD WORKLIST- ROAD 31 Cont.	PAY ITEM	QUANTITY	
1.488	Center of turnout, left.			
1.598	Install a new 18" CMP. Conserve and utilize existing aggregate from roadbed at pipe excavation site. Suitable material from existing excavation may be used as backfill material. Replace conserved aggregate on road surface, supplementing the aggregate surface with 5 cubic yards of material obtained from Three Cabin Quarry (see Sheet 06 for placement typical). Any unsuitable backfill material, woody debris, slash or boulders from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03). Construct catch basin.	322-32 602-63.18A	5 CY 44 LF	
1.627	Center of turnout, left.			
1.789	Center of turnout, left.			
1.872	Intersection of Road 31 & 3100-305, left.			
1.936	Remove existing culvert and replace with a new 18" CMP. Conserve and utilize existing aggregate from roadbed at pipe excavation site. Suitable material from existing excavation may be used as backfill material. Replace conserved aggregate on road surface, supplementing the aggregate surface with 5 cubic yards of material obtained from Three Cabin Quarry (see Sheet 06 for placement typical). Any unsuitable backfill material, woody debris, slash or boulders from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03). Construct catch basin.	203-01.1 322-32 602-63.18A	1 EACH 5 CY 40 LF	
2.033	Center of turnout, left.			
2.350	Center of turnout, left.			
2.422	Center of turnout, left.			
2.553	Intersection of Road 31 & 3100-400.			
2.674	Center of turnout, left.			
2.736	Install a new 18" CMP. Conserve and utilize existing aggregate from roadbed at pipe excavation site. Suitable material from existing excavation may be used as backfill material. Replace conserved aggregate on road surface, supplementing the aggregate surface with 5 cubic yards of material obtained from Three Cabin Quarry (see Sheet 06 for placement typical). Any unsuitable backfill material, woody debris, slash or boulders from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03) Construct catch basin.	322-32 602-63.18A	5 CY 40 LF	
2.756	Center of turnout, left.			
2.853	Install a new 18" CMP. Conserve and utilize existing aggregate from roadbed at pipe excavation site. Suitable material from existing excavation may be used as backfill material. Replace conserved aggregate on road surface, supplementing the aggregate surface with 5 cubic yards of material obtained from Three Cabin Quarry (see Sheet 06 for placement typical). Any unsuitable backfill material, woody debris, slash or boulders from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03).	322-32 602-63.18A	5 CY 46 LF	
2.920	Intersection of Road 31 & 3113			
3.037	Center of turnout, left.			
3.063	Center of turnout, left.			
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MP	SPECIFIED ROAD WORKLIST- ROAD 31 Cont.	PAY ITEM	QUANTITY
3.115	Center of turnout, left.		
3.258	Center of turnout, left.		
3.491	Existing 18" CMP. Install new spillway assembly with Turner elbow and 20 Ln. ft. of 18" full-circle outlet pipe.	606-02.18 606-04.18 606-05.18	20 LF 2 EACH 1 EACH
3.552	Center of turnout, left.		
3.641	Center of turnout, left.		
3.644	Intersection of Road 31 & 3100-500.		
3.650	Center of turnout, left.		
3.732	Center of turnout, left.		
3.926	Center of turnout, left.		
4.139	Center of turnout, left.		
4.166	Remove existing culvert and replace with a new 18" CMP. Conserve and utilize existing aggregate from roadbed at pipe excavation site. Suitable material from existing excavation may be used as backfill material. Replace conserved aggregate on road surface, supplementing the aggregate surface with 5 cubic yards of material obtained from Three Cabin Quarry (see Sheet 06 for placement typical). Any unsuitable backfill material, woody debris, slash or boulders from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03). Construct catch basin.	203-01.1 322-32 602-63.18A	1 EACH 5 CY 50 LF
4.221	Reconstruct grade sag (see details, Sheets 09-11). Conserve and utilize existing material from roadbed and shoulders at Grade Sag site. Suitable material from existing excavation may be used, supplementing with material obtained from Three Cabin Quarry. Any unsuitable backfill material, woody debris, slash or boulders (larger than Class 4 riprap) from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03).	204-20.1 251-01.2 251-01.4 322-32	1 EACH 110 CY 22 CY 48 CY
4.222	Intersection of Road 31 & 3100-520.		
4.266	Water Source.		
4.313	Remove existing 15" culvert and replace with a new 18" CMP. Conserve and utilize existing aggregate from roadbed at pipe excavation site. Suitable material from existing excavation may be used as backfill material. Replace conserved aggregate on road surface, supplementing the aggregate surface with 5 cubic yards of material obtained from Three Cabin Quarry (see Sheet 06 for placement typical). Any unsuitable backfill material, woody debris, slash or boulders from excavation will be hauled (indirectly paid by Item 602-63.18A) to approved disposal sites (see Note 5 on Sheet 03). Construct catch basin.	203-01.1 322-32 602-63.18A	1 EACH 5 CY 66 LF
4.451	Center of turnout, left.		
4.583	Spur road, left. Guardrail closure.		
4.592	Center of turnout, left.		
4.747	Center of turnout, left.		
4.975	Spur road, right.		
4.983	Center of turnout, left.		
		VICTOR TIMBER SALE	RD 31 WORKLIST
			SHEET 15 OF 18

MP	SPECIFIED ROAD WORKLIST- ROAD 31 Cont.	PAY ITEM	QUANTITY
5.129	Center of turnout, left.		
5.392	Center of turnout, left.		
5.475	Center of turnout, left.		
5.513	Center of turnout, left.		
5.576	Center of turnout, left.		
5.624	Center of turnout, left.		
5.659	Spur road, right.		
5.789	Center of turnout, left.		
5.874	Center of turnout, left.		
5.904	Spur road, right.		
5.926	Center of turnout, left.		
5.963	Intersection of Road 31 & 3100-600.		
6.000	End Reconditioning roadbed.		
6.671	Intersection of Road 31 & 1610-400, right.		
7.225	Temp road, right.		
7.743	Intersection of Road 31 & 3100-698.		
8.269	Existing 15" CMP. Install 1 CY Class 2 riprap around outlet. Excavate 0.5 CY from each side of pipe for riprap placement. (indirectly paid by Item 251-01.2) Haul waste to approved disposal site (see Note 5 on Sheet 03) (indirectly paid by Item 251-01.2). End work this road.	251-01.2	1 CY

MP	SPECIFIED ROAD WORKLIST- ROAD 3100-037	PAY ITEM	QUANTITY
0.000	Intersection of Road 31 & 3100-037.		
0.040	Begin removal of waste material on existing aggregate surface roadbed. Leave aggregate surface in place.	204-34	Lump Sum
0.070	Place and shape waste material as staked by the Forest Service. Waste disposal site. End work this road.		
		VICTOR TIMBER SALE	RD 31 & RD 3100-037 WORKLIST
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