

VICINITY MAP NORTH PARK TIMBER SALE

ROAD NUMBER ALL	SHEET 2	TOTAL SHEETS 15
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DIRECTIONS TO PROJECT AND PROJECT NOTES

From Clarkston, WA

- Take WA Highway 129 South towards Asotin, WA - approx. 6 miles.
- Turn right onto Asotin Creek Road/Baumeister Drive; proceed west on Asotin Creek Road to junction left with Cloverland Road - 3 miles
- Turn onto Cloverland Road; proceed south to Cloverland, WA - 11 miles
- Follow Cloverland Road through community of Cloverland to Umatilla National Forest boundary/Forest Road 43 - approximately 10 miles.
- Proceed south on Forest Road 43 to junction with Forest Road 44 at Wickiup Campground - approximately 7 miles to Beginning of Project.

From Pomeroy, WA

- At junction US Highway 12 & 15th Street, travel south on 15th Street approximately 0.25 miles; 15th Street becomes Peola Road. Proceed ahead to junction of Mountain Road (Forest Road 40) - 8 miles
- Continue south on Mountain Road to Umatilla National Forest boundary - 7 miles
- Continue south on Forest Road 40 to junction Forest Road 44 - 16 miles.
- Continue ahead on Forest Road 44 to junction Forest Road 43 at Wickiup Campground, Beginning of Project - 3 miles

MATERIAL SOURCE

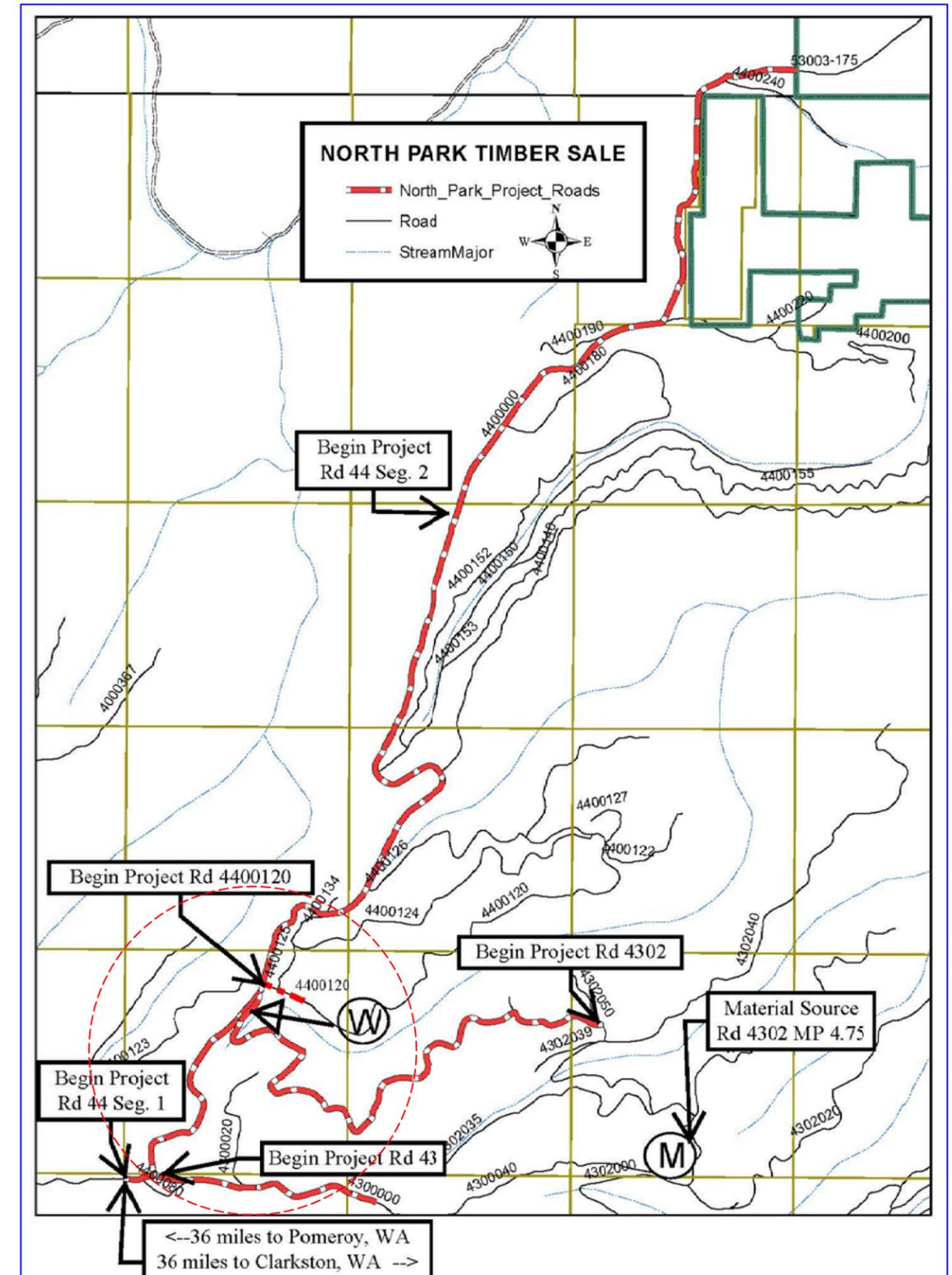
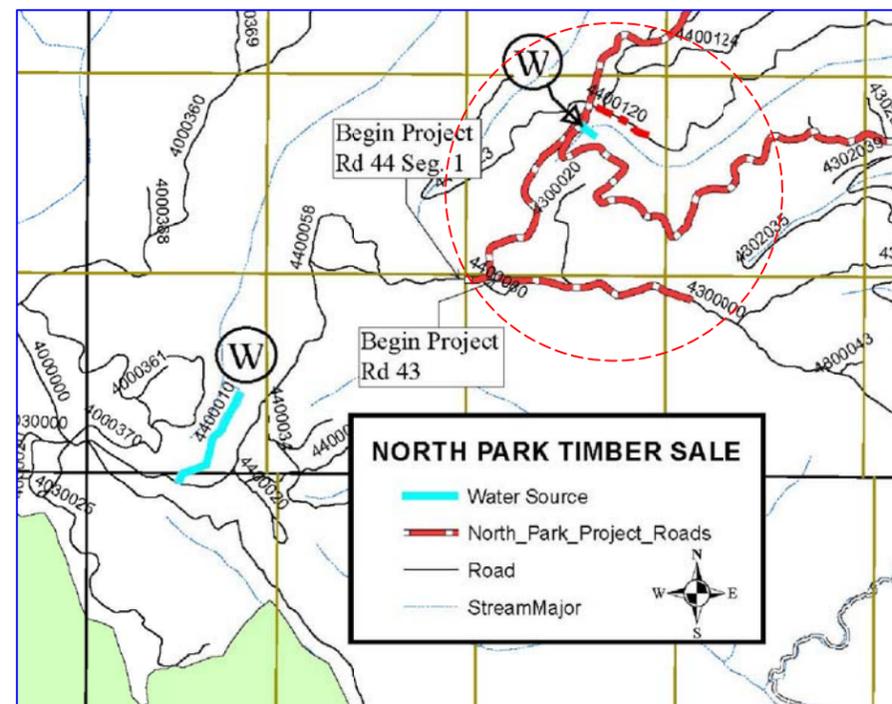
1. Material Source for project is located on Rd 4302 MP 4.75 (approximately 4.65 miles from Forest Road 44).

WATER SOURCE

1. No separate payment for water.
2. Designated Water Source is located on Rd 4302 MP 9.27. Alternate water source is located at end of Rd 4400010.

HAUL PERMITS FOR OVERLOADS & OVERWIDTHS

1. Per FP-03 FSSS 104.03 and Umatilla NF Road Use Rules, permit required for overload and/or overwidth haul across all Forest Service roads and bridges.
2. Bridge permits require Regional Bridge Engineer review. Permit review and approval (or denial) can take up to 30 days.
3. Current Umatilla NF Road Use Rules available at <http://www.fs.usda.gov/main/umatilla/passes-permits/other>, or at any Umatilla NF office.



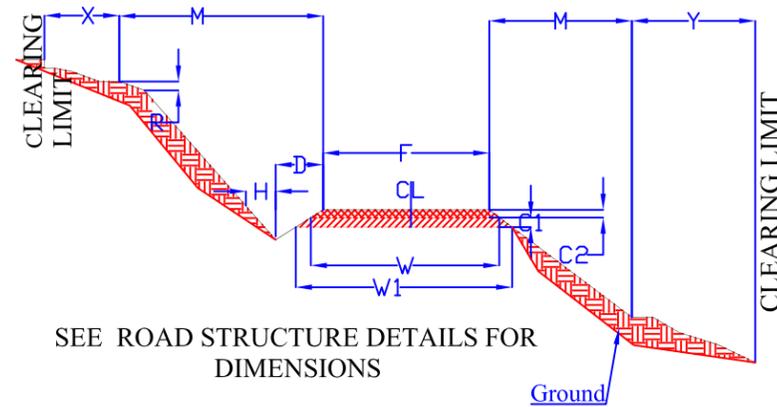
NORTH PARK TIMBER SALE								
POMEROY RANGER DISTRICT		ESTIMATE OF QUANTITIES						
UMATILLA NATIONAL FOREST		ROAD NO. -->	43 Cloverland	4302 Hogback	44 Segment 1 Smoothing Iron	44 Segment 2 Smoothing Iron	4400120 Huckleberry Rdg	REMARKS
		MILES -->	1.24	2.85	4.35	2.80	0.18	
ITEM NO.	DESCRIPTION	UNIT OF MEASURE						
15101	Mobilization	LUMP SUM	-	-	ALL	-	-	Mobilization for total project. Equipment washing according to BT6.35 for noxious weed control is incidental to this pay item.
20103	Clearing and grubbing, disposal of tops and limbs K & F , logs J & F , stumps F	MILE	1.24	2.85	4.35	2.80	0.18	Deck logs meeting utilization standard according to Timber Sale contract. Decking and piling location to be identified on ground.
20301	Removal CULVERTS	EACH	-	1	11	3	-	DISPOSAL: Removed culverts become property of Purchaser and shall be removed from Government Land and legally disposed of.
20420a	Drainage excavation, type DRAIN DIP	EACH	-	20	21	-	-	See DRAIN DIP Typical: Unless otherwise stated on WORKLIST or PLANS, excavated material shall be hauled to a designated disposal site(s). Waste area recontouring and compaction incidental to this item.
20420b	Drainage excavation, type ARMORED CROSS DRAIN	EACH	6	-	-	6	-	See ARMORED CROSS DRAIN Typical: Unless otherwise stated on WORKLIST or PLANS, material excavated to construct Armored cross drains - if suitable - may be placed on and blended in with existing road's surfacing/subgrade.
30359	Roadway reconditioning, compaction method B	MILE	1.24	2.85	4.35	2.80	0.18	Reconditioning of existing road prism includes, but is not limited to, existing turnouts and tapers, ditch line(s), and lead out ditches. Compaction method applies to both aggregate and native surfaced roads.
32226	Grid Rolled aggregate maximum size 6" , compaction method H	CY (in place)	665	1180	1440	2400	-	All production, haul, placement, shaping, and compaction for road and drainage armoring as identified in Work lists, Plans, Details, and/or Typical.
60708	Cleaning culverts in place	EACH	-	-	3	-	-	
65102	Pit and quarry development	LUMP SUM	-	-	ALL	-	-	Pit development for total project. Material source is located on Road 4302 MP 4.75.

ROAD STRUCTURE TYPICALS & CONSTRUCTION NOTES

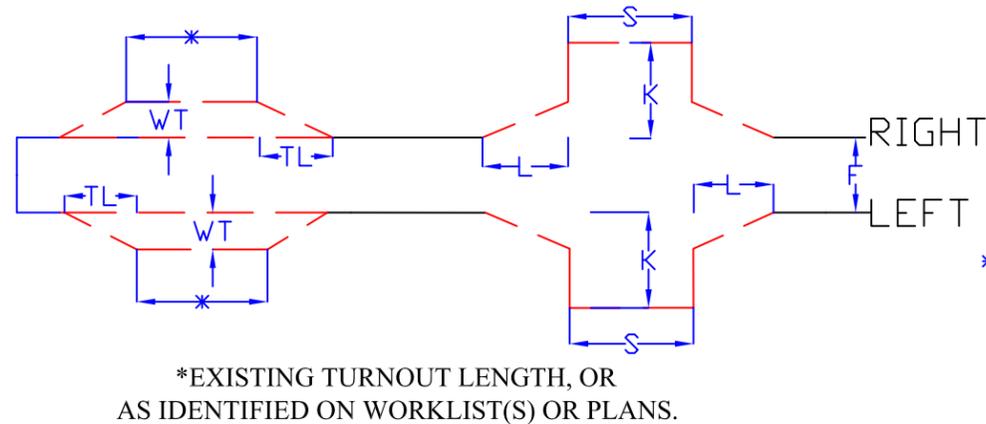
NORTH PARK TIMBER SALE

ROAD NUMBER ALL	SHEET 4	TOTAL SHEETS 15
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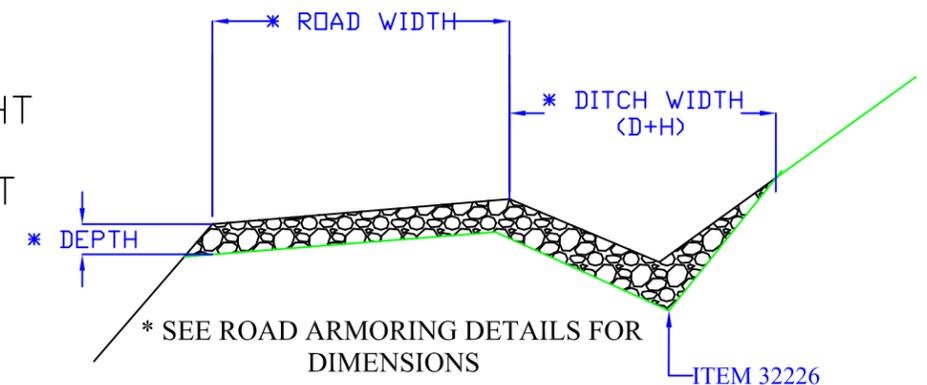
ROAD PRISM CROSS SECTION



**TURNOUT(S) & TURN-AROUND(S)
PLAN VIEW**



**ROAD & DITCH ARMORING
CROSS SECTION**



CONSTRUCTION NOTES

1. ROAD STRUCTURE DETAILS references ROAD STRUCTURE TYPICALS. Mile Posts and/or Stations as shown on PLANS, or WORKLISTS are approximate.
2. Unless otherwise noted on PLANS or WORKLISTS, turnout width and transition length is listed on ROAD STRUCTURE DETAILS. Unless otherwise noted on PLANS or WORKLISTS, turnout length is as exists on ground.
3. Unless otherwise noted on PLANS or WORKLISTS, ditch dimensions (D & H) apply to existing ditches on project roads. Not all roads are ditched, and some roads have ditched segments on both sides of road. Reconditioning (if included) applies to both segments
4. Placement of aggregate shall be down existing Centerline for control, or as determined by Contracting Officer. Unless otherwise noted on PLANS, or WORKLISTS, turnouts, tapers, and curve widening (constructed and existing) shall be rocked to same depth as TRAVEL WAY.
5. Unless included as a separate pay item, Watering is incidental to all applicable pay items.
6. Construction Tolerances apply to work done under Section 204.
7. Transition distance for aggregate depth at beginning/end of project, or segment shall be minimum of 10 feet.
8. Oversize aggregate NOT broken down by designated compaction method shall be removed from travel way.
9. DRAIN DIPS and CROSS DRAIN DIPS (within an armored segment) shall be armored in accordance with applicable DRAINAGE TYPICAL.

ROAD STRUCTURE DETAILS

NORTH PARK TIMBER SALE

ROAD NUMBER	SEGMENT	STATION OR MILEPOST		CLEARING WHICHEVER IS GREATER			CONSTRUCTION TOLERANCE	EX = EXISTING O = OUTSLOPE I = INSLOPE C = CROWN	ROADBED WIDTH		DITCH DIMENSIONS		TURNOUT Width & Taper		TURNAROUND WIDTH, TAPER, LENGTH			TRAVEL WAY WIDTH	GRADING	
		MILEPOST		FEET					FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET	INCHES	INCHES	
				M = Min. beyond shoulder	Beyond slope stake X Y				W Base	W1 Sub grade	D	H	WT	TL	K	L	S	F	Base = C1	Surface = C2
43 CLOVERLAND		0.00	1.24	See CLEARING & GRUBBING TYPICAL	N/A	N/A	C	EX	16	EX	3	1	10	EX	EX	EX	EX	14	See ROAD ARMORING DETAILS	-
4302 HOGBACK		6.55	9.4	See CLEARING & GRUBBING TYPICAL	N/A	N/A	C	EX	16	EX	3	1	10	EX	EX	EX	EX	14	See ROAD ARMORING DETAILS	-
44 SMOOTHING IRON	Seg. 1	2.95	7.3	See CLEARING & GRUBBING TYPICAL	N/A	N/A	C	EX	18	EX	3	1	10	EX	EX	EX	EX	14	See ROAD ARMORING DETAILS	-
44 SMOOTHING IRON	Seg. 2	7.3	10.1	See CLEARING & GRUBBING TYPICAL	N/A	N/A	C	EX	16	EX	3	1	10	EX	EX	EX	EX	14	See ROAD ARMORING DETAILS	-
4400120		0.00	0.18	See CLEARING & GRUBBING TYPICAL	N/A	N/A	D	EX	14	16	3	1	10	EX	EX	EX	EX	12	See ROAD ARMORING DETAILS	-

ROAD & DITCH ARMORING DETAILS

NORTH PARK TIMBER SALE

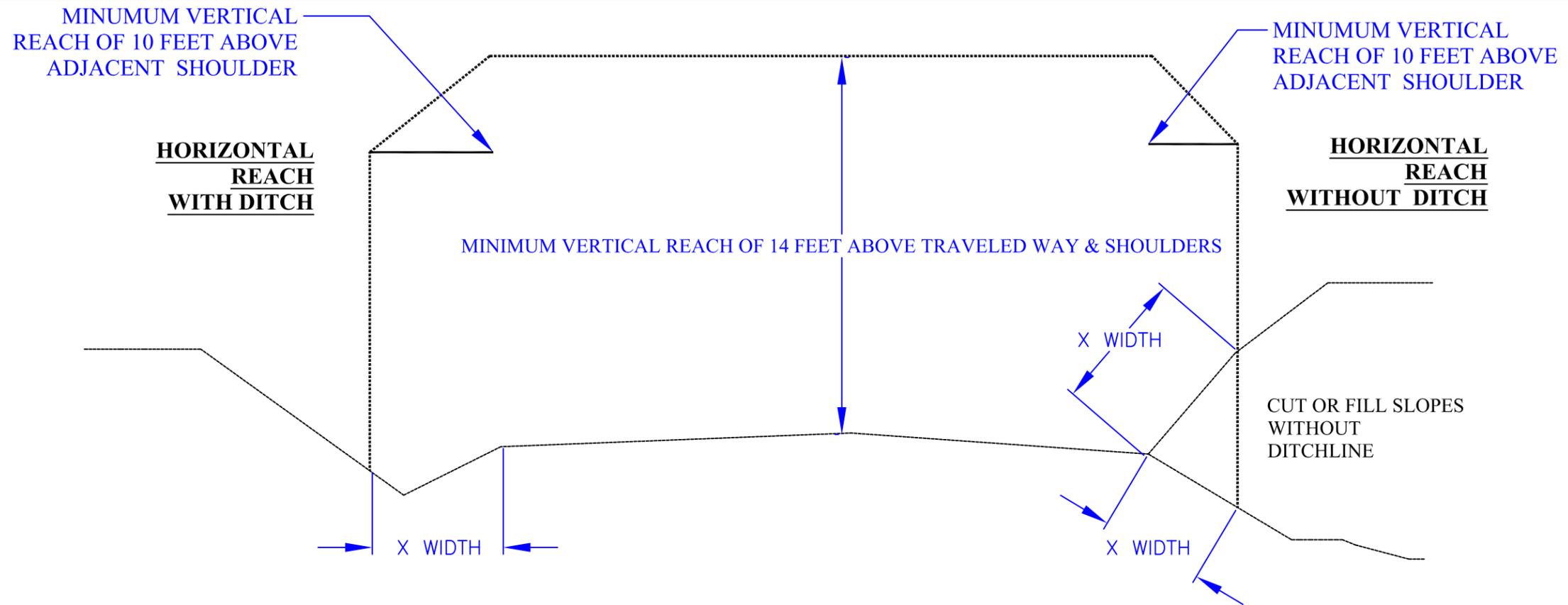
ROAD NUMBER	STATION OR MILEPOST	ITEM 32226 GRID ROLLED AGGREGATE, MAXIMUM SIZE 6"				
		AVE. ROAD WIDTH	DITCH WIDTH	ROAD OR DITCH	COMPACTED DEPTH	ITEM 32226
		FEET	FEET	FEET	FEET	CY IN-PLACE
43	MP 0.00 - 0.11	14	-	580	1	300
43	MP 0.4 JCT RD 43 & RD 4300020	14	-	110	1	60
43 - See Note 2	Grade Sag armoring: MP 0.45, 0.6, 0.68, 0.82 & 0.97	14	-	50 ft each	1	125 (25 cy per Sag)
4302	MP 8.1	14	-	200	1	110
4302	MP 8.28 - 8.3	14	-	200	1	110
4302	MP 9.19	14	-	200	1	110
4302	MP 9.27 Water source access	12	-	100	1	50
44 Seg 1	MP 2.95 - 3.1 (Wickiup)	16	4	800	1	600
44 Seg 2	MP 8.71 - 8.94	14	-	1215	1	630
44 Seg 2	MP 9.01 - 9.4	14	-	2060	1	1070
44 Seg 2	MP 9.65 - 9.84	14	-	1000	1	520

NOTE:

1. See Sheet 4 TYPICAL - Road & ditch armoring cross section.
2. No excavation required for Rd 43 Grade Sags. Recondition to ensure drainage and armor according to Cross Drain Dip TYPICAL.

CLEARING & GRUBBING TYPICAL

NORTH PARK TIMBER SALE



CLEARING LIMITS		
ROAD NUMBER	ROAD STATUS: OPEN/CLOSED	X-WIDTH
43 CLOVERLAND: MP 0.00 - 1.24	OPEN	MINIMUM 4 FEET
4302 HOGBACK	OPEN	MINIMUM 4 FEET
44 SEG. 1 SMOOTHING IRON MP 2.95 - 7.3	OPEN	MINIMUM 6 FEET
44 SEG 2 SMOOTHING IRON MP 7.3 - 10.1	OPEN	MINIMUM 4 FEET
4400120 HUCKLEBERRY RIDGE MP 0.00 - 0.18 (GATE)	OPEN	MINIMUM 4 FEET

CONSTRUCTION NOTES

1. Debris shall not be scattered on adjacent roadways or trails, on top of fences, or in locations that will disrupt drainage functions such as ditches and lead out ditches.
2. Piling may be required to avoid slash concentrations. Piling locations shall be identified on the ground prior to piling.
3. Deck logs meeting Timber Sale utilization standards according to FSSS 201.04(f).
4. Upon completion of Clearing, all live and dead vegetation, including stumps, shall be completely removed from Travel Way and shoulders and with no more than 6 inches of vegetation remaining above the ground within the remaining cleared area (X WIDTH).
5. Exception to Note 4: Due to obstruction(s), including but not limited to signs, rocks, and existing stumps (if not designated for removal, or within Travel Way or shoulders), up to 18 inches of vegetation may remain above ground within X-Width.
6. Culvert clearing: In addition to X-WIDTH, clear minimum of 2 feet from inlet end of culvert, or to back of slope or catch basin, whichever is less.
7. Sight distance at junctions and "blind" curves: AS STAKED, clear up to an additional X-WIDTH to provide for sight distance.

DRAINAGE TYPICAL

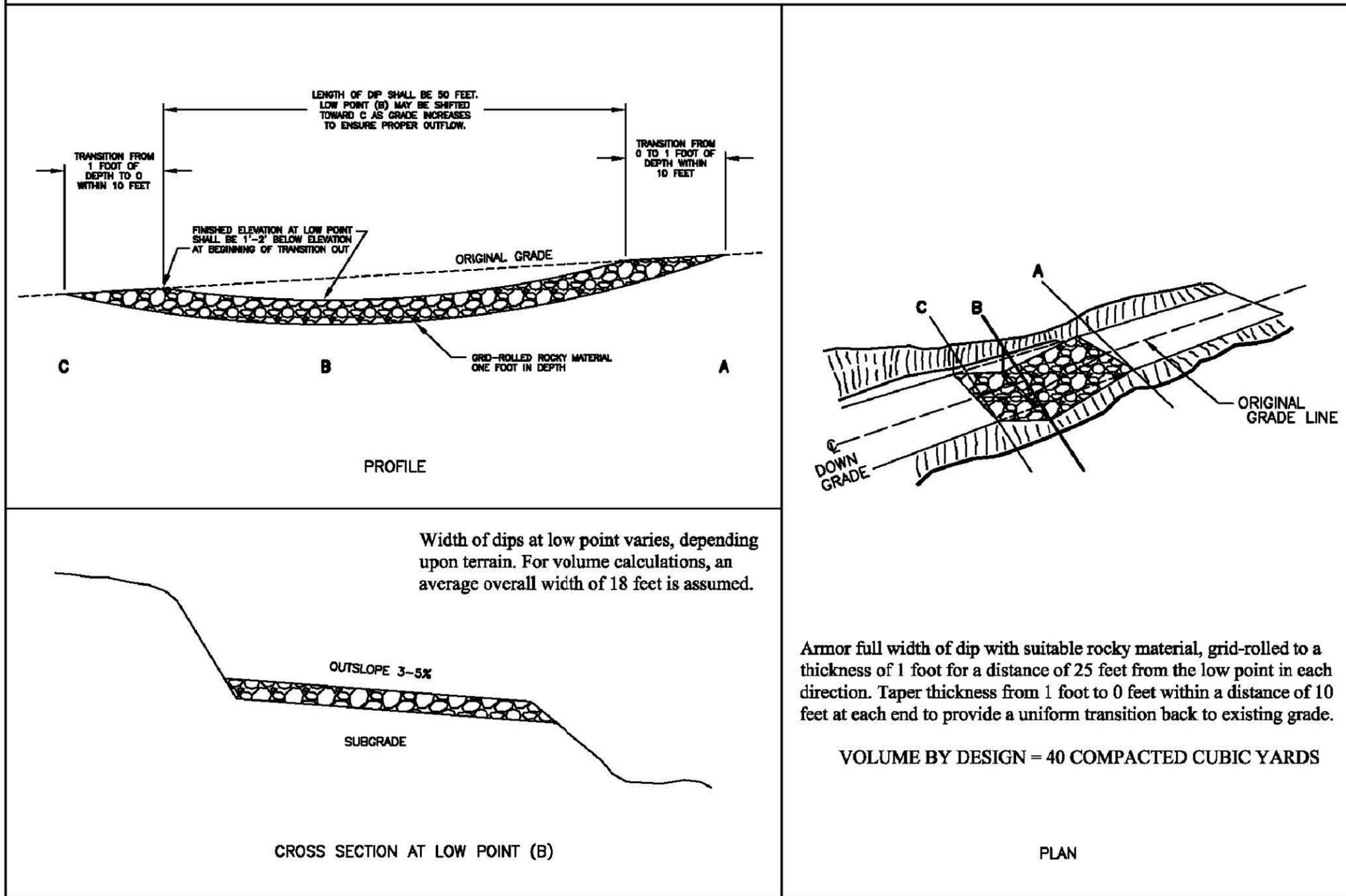
NORTH PARK TIMBER SALE

DRAIN DIP TYPICAL

(NOT TO SCALE, AND EXAGGERATED FOR ILLUSTRATIVE PURPOSES)

CONSTRUCTION NOTES

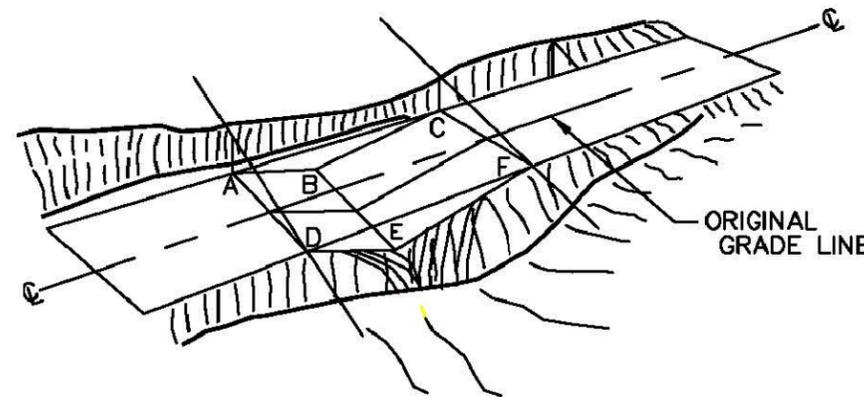
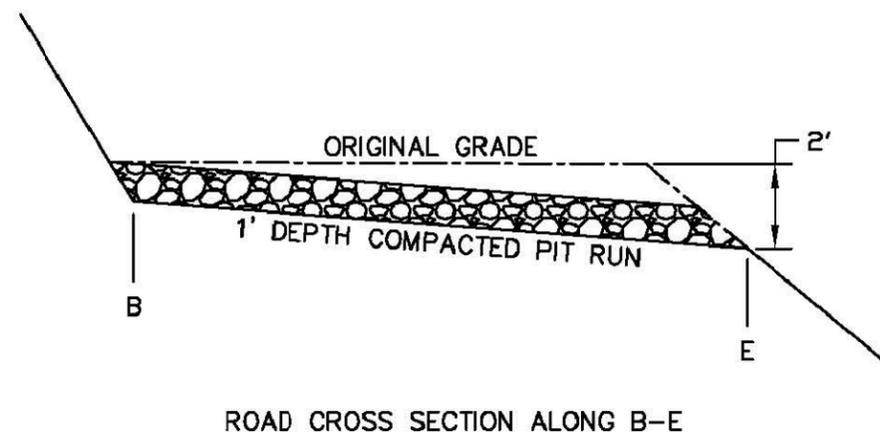
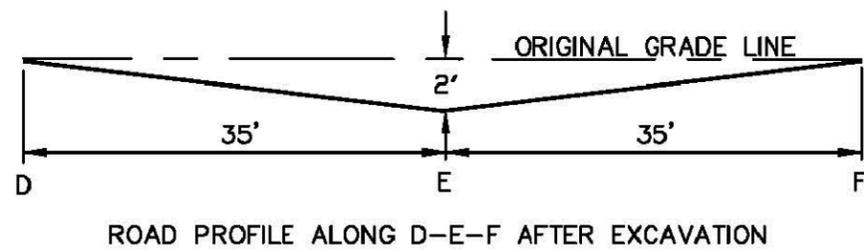
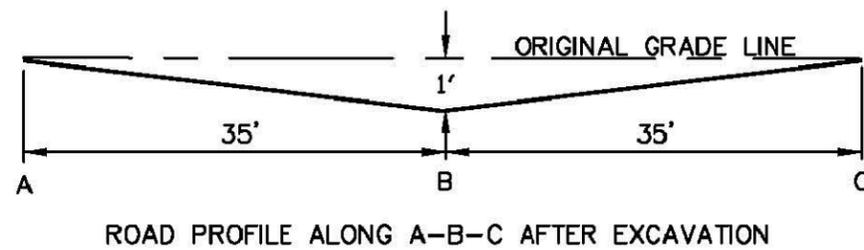
1. The inlet and outlet of DRAIN DIP shall be smooth, free draining, and out sloped.
2. Excavated material (Dimensions A-C) shall be hauled to designated waste area(s) - unless otherwise stated on PLANS or WORK LIST.
3. Compaction of DIP subgrade required prior to placing armoring material.
4. Tie armoring material to ditch line and/or toe of cut slope to completely intercept water passage.
5. Extend armoring material to edge of fill slope ensuring drainage onto a vegetated surface.
6. Oversized armoring material not broken down by designated compaction method shall be removed from the travel way.



DRAINAGE TYPICAL

NORTH PARK TIMBER SALE

ARMORED CROSS DRAIN TYPICAL



*Haul and place estimated 30 cy (in place) pit run aggregate, compaction H to armor each CROSS DRAIN.

CONSTRUCTION NOTES

1. The inlet and outlet of CROSS DRAIN shall be smooth, free draining, and out sloped.
2. Note that ROAD PROFILE excavation depth varies.
3. Unless otherwise stated on PLANS or WORK LIST, excavated material may be placed a suitable distance (i.e. not piled up at inlet/outlet of dip) along the existing road and blended in as part of Reconditioning.
4. Tie armoring material* to ditch line and/or toe of cut slope to completely intercept water passage.
5. Extend armoring material to edge of fill slope and ensure dip drains onto a vegetated surface.
6. Oversized armoring material not broken down by designated compaction method shall be removed from the travel way.

CONSTRUCTION NOTES

GENERAL

1. Mileposts shown on PLANS or identified on WORKLISTS are approximate.
2. Transition distance between varying Traveled Way widths shall be minimum of 25 feet.
3. Contractor responsible for all work required to access Project Roads including but not limited to removal of berms, and log out of access roads.
4. Project signing shall be according to BT 6.33 Safety; Sign Plan required.

WATERING & WATER SUPPLY

1. DESIGNATED water source for North Park TS is located on Rd 4302 MP 9.27. Alternate water source located at end of Rd 4400010. MP 0.57.
2. Drafting may be limited at times due to low flows.
3. No separate payment shall be made for water, including but not limited to, work needed to access water source(s).

CLEARING & GRUBBING

1. Limb and deck logs meeting utilization standard of Timber Sale contract.
2. Slash pile locations shall be flagged on ground. No slash piles shall be constructed within stream channels (including ephemerals).

CULVERT REMOVAL

1. Removed culverts become property of PURCHASER and shall be removed from Government land, and legally disposed of.

EXCAVATION & EMBANKMENT

1. Unless otherwise shown on PLANS, TYPICALS, or DETAILS:
 - a. Back slopes = 1:1 in loose rock and soil, and 4:1 in solid rock.
 - b. Fill slopes = 1:2
 - c. FP-03 slope notation is Vertical/Horizontal.

EXCESS & UNSUITABLE MATERIAL

1. Unless otherwise stated in work list, material excavated to construct drain dips, and other unsuitable material shall be hauled to a **Designated Waste site**.
2. Waste sites identified on work lists are **POTENTIAL** Waste Sites: **Designated Waste Sites** shall be staked prior to issuing Notice to Proceed.
3. Prior to use, Contractor may request (in writing) use of alternative locations.
4. Waste site(s) used by Purchaser shall be re-contoured to blend with surrounding ground and to drain away from road or other facility. Compaction not required.
5. No separate payment shall be made for Waste Site clean-up.

DEVELOPMENT OF PITS & QUARRIES

1. Material Source excavation limits shall be reviewed on the ground.
2. Pit Development plan required.

WORK LISTS FOR NORTH PARK TIMBER SALE

ROAD 43 CLOVERLAND	
MILEPOST	DESCRIPTION & WORK ITEMS
0.00	Junction Forest Road 43 & 44. Wickiup Campground left BEGIN PROJECT, Forest Road 43 NORTH PARK TIMBER SALE BEGIN CLEARING BEGIN RECONDITIONING of roadway including shoulders, existing ditch line(s) and existing Lead-out ditches, Turnouts, Tapers, and Curve Widening. BEGIN PLACEMENT Item 32226 Pitrun aggregate, Compaction method <u>GRIDROLL</u> . See ROAD & DITCH ARMORING TYPICAL
0.02	Construct ARMORED CROSS DRAIN DIP
0.05	Wickiup Campground access road left
0.09	Construct ARMORED CROSS DRAIN DIP
0.11	END PLACEMENT grid rolled aggregate
0.15	Junction right, Road 4300080
0.2	Construct ARMORED CROSS DRAIN DIP
0.4	Junction left, Road 4300020: <ul style="list-style-type: none"> • RECONDITION 100 feet of Rd 4300020 (including tapers) beginning at Rd 43. • Re-open Rd 4300020 Lead out ditch left. • Place Item 32226 Pitrun aggregate, compaction method GRIDROLL according to ROAD & DITCH ARMORING TYPICAL.
0.45	Existing Grade Sag – ensure drainage open & functional: Haul, place & compact 30 CY (in place) Item 32226 Pitrun Aggregate to armor 25 feet each side of Grade Sag low point. See ROAD & DITCH ARMORING TYPICAL & DETAILS.
0.60	Existing Grade Sag – ensure drainage open & functional: Haul, place & compact 30 CY (in place) Item 32226 Pitrun Aggregate to armor 25 feet each side of Grade Sag low point. See ROAD & DITCH ARMORING TYPICAL & DETAILS.
0.68	Existing Grade Sag – ensure drainage open & functional: Haul, place & compact 30 CY (in place) Item 32226 Pitrun Aggregate to armor 25 feet each side of Grade Sag low point. See ROAD & DITCH ARMORING TYPICAL & DETAILS.
0.76	Construct ARMORED CROSS DRAIN DIP
0.82	Existing Grade Sag – ensure drainage open & functional: Haul, place & compact 30 CY (in place) Item 32226 Pitrun Aggregate to armor 25 feet each side of Grade Sag low point. See ROAD & DITCH ARMORING TYPICAL & DETAILS.

0.97	Existing Grade Sag – ensure drainage open & functional: Haul, place & compact 30 CY (in place) Item 32226 Pitrun Aggregate to armor 25 feet each side of Grade Sag low point. See ROAD & DITCH ARMORING TYPICAL & DETAILS.
1.1	Construct ARMORED CROSS DRAIN DIP
1.2	Construct ARMORED CROSS DRAIN DIP
1.24	END RECONDITIONING END PROJECT, Rd 43 North Park Timber Sale

RD 4400120 HUCKLEBERRY RIDGE	
MILEPOST	DESCRIPTION & WORK ITEMS
0.00	Junction with Road 44 BEGIN PROJECT Forest Road 4400120 NORTH PARK TIMBER SALE <ul style="list-style-type: none"> • Identified work on Rd 4400130 is incidental to Rd 4400120 work. No separate payment for Rd 4400130. BEGIN CLEARING: Special Clearing Note: No grubbing allowed. Flush cut stump(s) of removed trees and brush. Additional clearing width will be flagged for sight distance at Rd 44 junction. <ul style="list-style-type: none"> • This work includes clearing Rd 4400130 junction for sight distance and 100 feet from junction with Rd 44. BEGIN RECONDITIONING of roadway including shoulders, existing ditch line(s) (may exist on both sides of roadbed), existing Lead-out ditches, Turnouts, Tapers, and Curve Widening. <ul style="list-style-type: none"> • Includes reconditioning 100 feet of Rd 4400130 from junction with Rd 44.
0.06	Open area/wheel tracks right (user tracks to Rd 4302 & dispersed camp sites): POTENTIAL waste site
0.07	POTENTIAL waste site: Bare slope/wide turnout left.
0.18	Gate END CLEARING END RECONDITONING END PROJECT, Rd 4400120, North Park Timber Sale

WORK LISTS FOR NORTH PARK TIMBER SALE

RD 4302 HOGBACK	
MILEPOST	DESCRIPTION & WORK ITEMS
0.00	Junction Forest Road 43 & 4302
4.75	MATERIAL SOURCE POTENTIAL waste site.
6.55	Junction right, Forest Road 4302050 BEGIN PROJECT, Forest Road 4302, NORTH PARK TIMBER SALE BEGIN CLEARING BEGIN RECONDITIONING of roadbed including shoulders, existing ditch line(s) and existing Lead-out ditches, Turnouts, Tapers, and Curve Widening.
6.6	Wheel tracks left: POTENTIAL waste site
6.61	Construct & armor DRAIN DIP
6.65	POTENTIAL waste site: Edge of turnout and cut slope
6.80	Construct & armor DRAIN DIP
6.91	Construct & armor DRAIN DIP
6.97	J-Hole right: POTENTIAL waste site. Spread and compact so J-Hole is usable.
7.01	Spur road right: POTENTIAL waste site.
7.04	Construct & armor DRAIN DIP Road right with closure berm: POTENTIAL waste site.
7.15	Construct & armor DRAIN DIP
7.2	Construct & armor DRAIN DIP
7.3	Construct & armor DRAIN DIP
7.35	Spur road left: POTENTIAL waste site.
7.40	Construct & armor DRAIN DIP
7.50	Construct & armor DRAIN DIP
7.59	Wheel track left: POTENTIAL waste site.
7.65	Wheel track left: POTENTIAL waste site.
7.67	Small draw with existing culvert.
7.78	Construct & armor DRAIN DIP
7.8	Construct & armor DRAIN DIP
7.9	Construct & armor DRAIN DIP
8.04	Narrow spur left: POTENTIAL waste site.
8.07	REMOVE & DISPOSE OF existing culvert. Construct & armor DRAIN DIP
8.1	Draw with perennial stream/spring seep. PLACE Item 32226 Pitrun aggregate, Compaction method <u>GRIDROLL</u> according to ROAD & DITCH ARMORING TYPICAL
8.27	Construct & armor DRAIN DIP

8.28 – 8.3	Draw with two culverts - perennial stream/spring seep. PLACE Item 32226 Pitrun aggregate, Compaction method <u>GRIDROLL</u> according to ROAD & DITCH ARMORING TYPICAL Note: Begin armoring at end of MP 3.27 Drain dip armoring and continue through draw for designated distance.
8.34	Construct & armor DRAIN DIP
8.5	Construct & armor DRAIN DIP
8.57	Small draw with existing culvert: Cluster of large diameter blow down trees around the culvert and the gate ahead. <ul style="list-style-type: none"> Remove and scatter blow down logs that are within 10 feet of road. Deck logs that meet Timber Sale utilization standard.
8.58	Metal Gate and turnout/ parking right: Recondition turnout/parking area as part of RECONDITIONING.
8.6	Construct & armor DRAIN DIP
8.61	Draw with existing culvert. Note: road width narrows ahead
8.88	Decking site left POTENTIAL waste site
9.0	Construct & armor DRAIN DIP
9.19	Draw with perennial stream/spring seep – PLACE Item 32226 Pitrun aggregate, Compaction method <u>GRIDROLL</u> according to ROAD & DITCH ARMORING TYPICAL Open area left POTENTIAL waste site.
9.27	Spur right to Water Source: Water Source work is incidental to work on Rd 4302: No separate payment to be made. <ul style="list-style-type: none"> Brush out &/or Clear Water Source spur according to CLEARING TYPICAL: Note: “X”-width = 4 feet Place Item 32226 Pitrun aggregate, compaction method <u>GRIDROLL</u> according to ROAD & DITCH ARMORING TYPICAL.
9.3	Construct & armor DRAIN DIP
9.41	Construct & armor DRAIN DIP POTENTIAL waste site: Rd 4400120 Y-junction arm
9.32	Open area left: POTENTIAL waste site.
9.36	Y-junction right to Road 4400120 POTENTIAL waste site: Rd 4400120 Y-junction
9.40	Junction with Forest Road 44 END CLEARING END RECONDITIONING END PROJECT, Road 4302 North Park Timber Sale

WORK LISTS FOR NORTH PARK TIMBER SALE

ROAD 44 SMOOTHING IRON SEGMENTS 1 & 2	
MILEPOST	DESCRIPTION & WORK ITEMS
0.00	Junction: Forest Road 40 continues right, and Forest Road 44 Smoothing Iron ahead.
0.5	Junction left, Forest Road 4400010 (Note: 3C water source located at end of road)
2.95	Rd 4400080 junction right BEGIN PROJECT Forest Road 44 Segments 1 & 2 NORTH PARK TIMBER SALE BEGIN RECONDITIONING of roadway including shoulders, existing ditch line(s) and existing Lead-out ditches, Turnouts, Tapers, and Curve Widening. BEGIN CLEARING
2.97	REMOVE & DISPOSE of existing culvert: Construct & armor DRAIN DIP At end of DRAIN DIP armoring BEGIN PLACEMENT Item 32226 <u>Pitrun aggregate</u> , Compaction method <u>GRIDROLL</u>
3.0	Wickiup junction: Wickiup Campground left: Rd 44 continues left; Rd 43 ahead.
3.05	REMOVE & DISPOSE of existing culvert: Construct & armor DRAIN DIP
3.1	END Placement pit run aggregate: Tie to Drain Dip armoring.
3.15	Construct & armor DRAIN DIP (at an approximately 45 degree angle across road) <ul style="list-style-type: none"> CONSTRUCT 20 FOOT Lead off ditch left to drain away from road. POTENTIAL waste site: Open area ahead right and left.
3.2	POTENTIAL waste site: Bermed road left.
3.3	Construct & armor DRAIN DIP POTENTIAL waste site: Left ahead: Blend with existing cut slope.
3.4	Construct & armor DRAIN DIP
3.6	Deep draw
3.67	Construct & armor DRAIN DIP
3.7	Construct & armor DRAIN DIP POTENTIAL waste site: Bermed road ahead and left.
3.8	REMOVE & DISPOSE OF existing culvert. Construct & armor DRAIN DIP. POTENTIAL waste site: bermed road and fill slope left.

3.95	REMOVE & DISPOSE OF existing culvert: Construct & armor DRAIN DIP. POTENTIAL waste sites: <ol style="list-style-type: none"> Rd 4400120 Y-junction Expand edge of turnout/landing right to tree line. Scatter woody debris before placing excess material.
4.01	REMOVE & DISPOSE OF existing culvert. Construct & armor DRAIN DIP. POTENTIAL waste site: bermed road and fill slope left.
4.1	Junction right, Forest Road 4302
4.2	Road 4300123 left and Road 4300120 right
4.22	Construct & armor DRAIN DIP
4.4	REMOVE & DISPOSE OF existing culvert: Construct & armor DRAIN DIP POTENTIAL waste site(s): Expand edge of turnout/landing ahead to tree line. Scatter woody debris before placing excess material.
4.5	REMOVE & DISPOSE OF existing culvert: Construct & armor DRAIN DIP
4.57	REMOVE & DISPOSE OF existing culvert: Construct & armor DRAIN DIP
4.6	REMOVE & DISPOSE OF existing culvert: Construct & armor DRAIN DIP POTENTIAL waste site: Use some of dip excavation to re-contour cut slope to fill in the overly-large culvert catch basin. Expand edge of turnout/landing ahead to tree line. Remove and scatter woody debris before placing excess material.
4.66	Construct & armor DRAIN DIP: Note: Possibly a buried culvert this location.
4.7	Construct & armor DRAIN DIP
4.73	Deep draw with existing culvert: Clean inlet, catch basin, and outlet to remove built-up sediments. Brush out inlet and outlet according to CLEARING TYPICAL Note 7.
4.75	Junction left, Road 4400134
4.8	REMOVE & DISPOSE OF existing culvert: Construct & armor DRAIN DIP

WORK LISTS FOR NORTH PARK TIMBER SALE

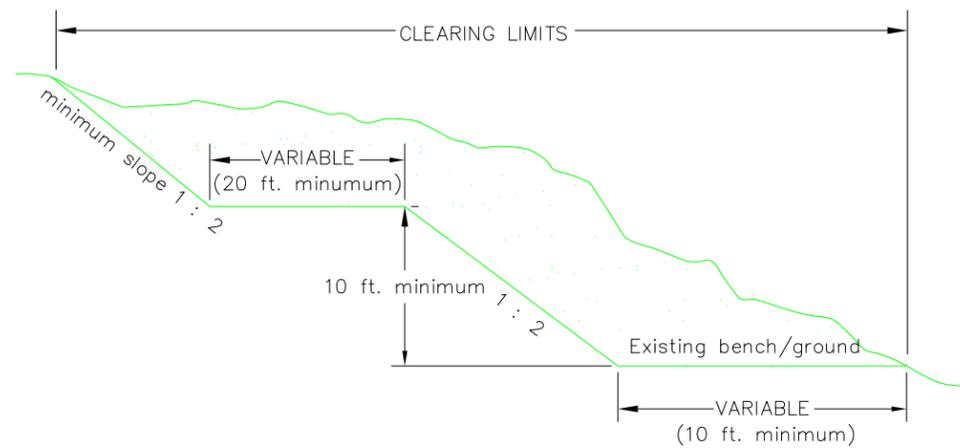
4.87	Existing culvert in deep fill/through fill. Clean inlet, catch basin, and outlet to remove built-up sediments. Brush out inlet and outlet according to CLEARING TYPICAL Note 6.
5.0	Metal gate
5.13	Construct & armor DRAIN DIP
5.5	Junction right, Road 4400140
5.84	REMOVE & DISPOSE OF existing culvert: Construct & armor DRAIN DIP
5.94	Existing culvert in deep fill/through fill. Clean inlet, catch basin, and outlet to remove built-up sediments. Brush out inlet and outlet according to CLEARING TYPICAL Note 7.
5.98	Junction right, bermed road and open area POTENTIAL waste site: Open area right
6.0	Construct & armor DRAIN DIP
7.3	END Road 44 Segment 1; BEGIN Road 44, Segment 2 Existing culvert with deep lead out ditch - Do not remove From this point on, roadbed is a DESIGNATED waste site. Drift excavated material down road to blend with existing grade. Incorporate excess material into road during RECONDITIONING..
7.35	Construct ARMORED CROSS DRAIN DIP
7.67	Junction right, Road 4400180
8.0	Construct ARMORED CROSS DRAIN DIP
8.17	REMOVE & DISPOSE of existing culvert. Construct ARMORED CROSS DRAIN DIP
8.2	REMOVE & DISPOSE of existing culvert. Construct ARMORED CROSS DRAIN DIP
8.3	Junction right Road 4400190
8.5	REMOVE & DISPOSE of existing culvert. Construct ARMORED CROSS DRAIN DIP
8.6	Rd 4400200 ahead. Rd 44 curves left
8.71	Existing Grade Sag: During Reconditioning insure inlet & outlet open and draining BEGIN PLACEMENT Item 32226 Pitrun aggregate, Compaction method <u>GRIDROLL</u> according to ROAD & DITCH ARMORING TYPICAL

8.94	END PLACEMENT Pitrun aggregate
9.01	BEGIN PLACEMENT Item 32226 Pitrun aggregate, Compaction method <u>GRIDROLL</u> according to ROAD & DITCH ARMORING TYPICAL.
9.1	Rock jack with "SHARP TURN" sign ahead. Existing grade sag: During Reconditioning insure inlet & outlet open and draining
9.25 – 9.3	Re-open existing Lead out ditches right minimum of 20 ft long.
9.33	Deep water bar on road. Stock Pond right (Private/state land) Construct ARMORED CROSS DRAIN DIP (to replace the water bar). Dip to drain into/towards stock pond)
9.4	Existing grade sag: During Reconditioning insure inlet & outlet open and draining END PLACEMENT, Pit run Aggregate
9.65	BEGIN DITCH RECONSTRUCTION - start of steep downgrade ahead BEGIN PLACEMENT Item 32226 Pitrun aggregate, Compaction method <u>GRIDROLL</u> according to ROAD & DITCH ARMORING TYPICAL.
9.7	Existing grade sag. During Reconditioning insure inlet & outlet open and draining <ul style="list-style-type: none"> Re-open Lead out ditch right minimum of 20 feet. END DITCH RECONSTRUCTION
9.73	Re-open Lead out ditch right, minimum of 20 feet.
9.78	Existing grade sag. During Reconditioning insure inlet & outlet open and draining <ul style="list-style-type: none"> Re-open Lead out ditch right minimum of 20 feet.
9.8	Junction right, Road 4400240
9.84	END PLACEMENT Pitrun aggregate
10.1	Cattle guard & Sign: " Leaving Umatilla NF ": End Forest Road 44/Begin Asotin County Road 175 END CLEARING END RECONDITIONING END PROJECT, Road 44 Segment 2 North Park Timber Sale

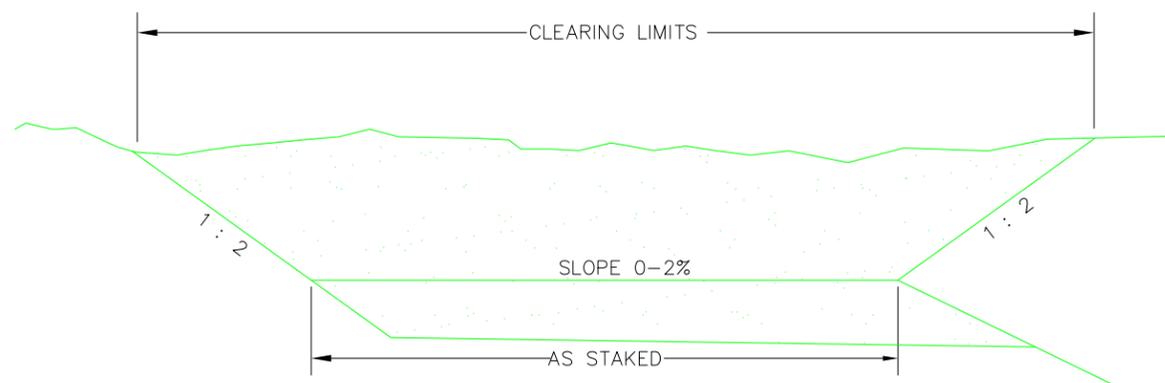
MATERIAL SOURCE TYPICALS

NORTH PARK TIMBER SALE

HILLSIDE PITS No Scale



OTHER AREAS No Scale



CONSTRUCTION NOTES

- Pit clearing and development limits will be staked on the ground by the Contracting Officer
- Pit Development Plan required. All Pit development work is incidental to Item 65101 Pit & Quarry Development.
 - Clearing, grubbing, slash removal, and disposal methods shall be in accordance with FP-03 Section 201 and supplementals: Disposal methods: 'F'-scattering for tops & limbs, Deck all logs according to Timber Sale requirements.
 - Access Road(s) shall be cleared and reconditioned in accordance with Section 204.
- Pit rehab includes the following:
 - Roads reopened for project use shall be closed.
 - Drainage (dips and/or waterbars) shall be re-established on Access Road(s)
 - Haul route shall be bladed and shaped after use (if not Reconditioned by project).
 - Rd 4302 from Material Source to Rd 4302050.
 - Pit slopes shall be left as shown on TYPICAL, or flatter.

AGGREGATE & BORROW SOURCES

SOURCE	LOCATION	ROAD NUMBER	MATERIAL
1	SEC 26, T08N, R43E	Rd 4302 MP 4.75	ITEM 32226 GRID ROLLED PIT RUN, MAX. SIZE 6"