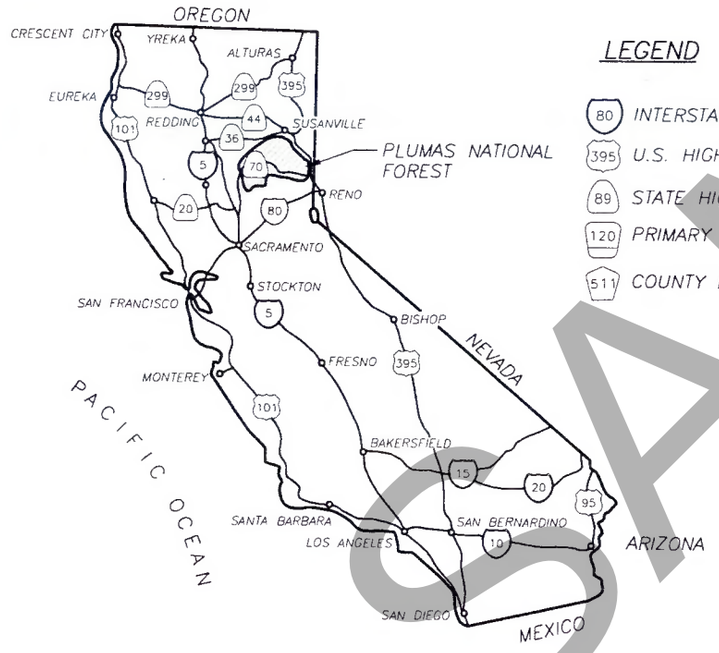
UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
PACIFIC SOUTHWEST REGION FIVE

PLUMAS NATIONAL FOREST

TURNER MP THIN

BECKWOURTH RANGER DISTRICT

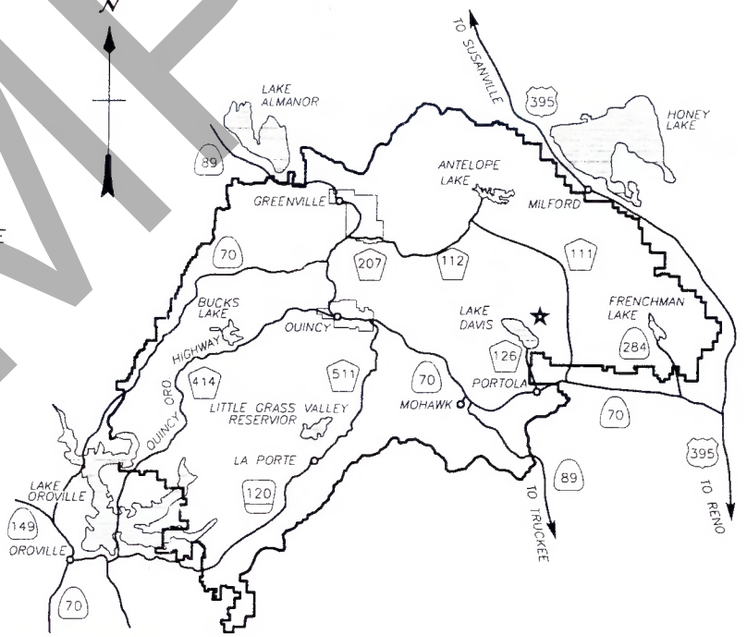


LEGEND

- 80 INTERSTATE HIGHWAY
- 395 U.S. HIGHWAY
- 89 STATE HIGHWAY
- 120 PRIMARY FOREST ROUTE
- 511 COUNTY ROAD

STATE OF CALIFORNIA

INDEX MAP



PLUMAS NATIONAL FOREST

★ PROJECT LOCATION

INDEX TO SHEETS

FOREST SERVICE US DEPARTMENT OF AGRICULTURE

PREPARED BY: JORDAN HENSLEY
PROJECT ENGINEER — DATE 7/7/2012

REVIEWED BY: DAN HOPKINS
PROJECT ENGINEER — DATE 7/9/2012

APPROVED BY: PETE HOCHREIN
FOREST ENGINEER — DATE 7/10/12

APPROVED BY: JOE GARROTTO
DISTRICT RANGER — DATE 8/11/12

R 13 E R 14 E

PC111

PC111 STA 990+63
PROJECT LIMIT

PC111 STA 988+58
PROJECT LIMIT
SECTION THREE

PC111 STA 947+15
PROJECT LIMIT

PC111 STA 946+15
PROJECT LIMIT
SECTION TWO

W

25N05

25N64A

T 24 N

T 23 N

PC111

25N64

25N97

24N08

PC111 STA 873+03
PROJECT LIMIT

PC111 STA 872+23
PROJECT LIMIT
SECTION ONE

24N08B

25N64 STA 156+80
PROJECT LIMIT

25N64 STA 153+00
PROJECT LIMIT

PC111

24N08A

24N08C

24N09

PC113

24N59Y

W

LEGEND

- EXISTING TRANSPO. ROAD
- ROAD RECONSTRUCTION
- NEW ROAD CONSTRUCTION
- 25N14 — FOREST SERVICE ROAD NUMBER
- 403 — COUNTY ROAD NUMBER
- PRIVATE PROPERTY
- NATIONAL FOREST
- W — WATER SOURCE
- D — DISPOSAL SITE
- GATE

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
PLUMAS NATIONAL FOREST
QUINCY, CALIFORNIA

TURNER MP THIN

LOCATION MAP
NOT TO SCALE

DESIGNED: J. HENSLEY DATE: 6/12
DRAWN: J. HENSLEY DATE: 6/12
CHECKED: D. HOPKINS DATE: 6/12

DATE	REVISION	BY

TURNER LOCATION MAP.mxd

SHEET 2

SUMMARY OF QUANTITIES

TURNER MP THIN - SUMMARY OF QUANTITIES

ITEM #	DESCRIPTION	M/M	PAY UNIT	ESTIMATED QUANTITIES	
				25N64	PC111
152(04)	DRAINAGE STRUCTURE SURVEY AND STAKING	AQ	EACH		2
201(54)	REMOVAL OF TREES (HAZARD); SLASH TREATMENT METHODS FOR TOPS AND LIMBS F; UTILIZATION OF TIMBER F.	AQ	EACH	2	
202(07)	REMOVAL OF INDIVIDUAL TREES, DISPOSAL OF TOPS AND LIMBS F, STUMPS F.	AQ	EACH		4
203(01)	REMOVAL AND DISPOSAL OF 18" CORRUGATED STEEL PIPE	AQ	EACH		2
203(19)	DRAINAGE EXCAVATION TYPE; LEAD-OFF DITCH	AQ	L.F.	10	
204(01)	ROADWAY EXCAVATION, COMPACTION METHOD E, FINISHING METHOD C.	DQ	C.Y.	10	40
204(20)	DRAINAGE EXCAVATION TYPE; DIP.	AQ	EACH	1	
303(01)	ROAD RECONDITIONING, COMPACTION METHOD: D	DQ	MILE	0.07	
602(11)	18" CORRUGATED STEEL PIPE, 0.064" THICKNESS (INCLUDES INSTALLATION)	AQ	L.F.		50

EXISTING TRANSPORTATION SYSTEM ROAD

SPECIFIED ROAD RECONSTRUCTION

SPECIFIED ROAD CONSTRUCTION

24N24 FOREST SERVICE ROAD NUMBER

89 STATE HIGHWAY ROAD NUMBER

112 112 PLUMAS COUNTY ROAD NUMBER

1 RIPRAP AND AGGREGATE SOURCE

W WATER SOURCE

OTHER OWNERSHIP

B BORROW SOURCE (IE. EARTH, SAND, ETC)

D DISPOSAL SITE

CATTLEGUARD

UNMERCHANTABLE DECKING AREA

MERCHANTABLE DECKING AREA

CONSTRUCTION SLASH DISPOSAL AREA

STUMP DISPOSAL AREA

OVERSIDE DRAIN

REINFORCED SUBGRADE

GATE

GUARDRAIL BARRIER

RIPRAP (ENERGY DISSIPATOR)

CONSTRUCT TURNAROUND

CONSTRUCT HAMMERHEAD TURNAROUND

CONSTRUCT TURNOUT

ROLLING DIP

WATERBAR

REINFORCED ROLLING DIP

LOW WATER CROSSING

STREAM

LEAD–IN, LEAD–OFF, OR DRAINAGE DITCH

CULVERT PIPE, PLAN VIEW

CULVERT PIPE, PROFILE VIEW

CULVERT PIPE, WITH CATCH BASIN

EARTH BARRIER

UNDER DRAIN (PMP) OR TEXTILE DRAIN

GABION BASKET

"P" (PRELIMINARY) LINE AS SURVEYED

"L" LINE – CENTER LINE TO BE CONSTRUCTED

OFFICE LINE

V.P.I. (VERTICAL POINT OF INTERSECTION)

RIGHT–OF–WAY LIMITS

SECTION LINE

CUT LINE

FILL LINE

CONSTRUCTION LIMITS

FENCE LINE

EXISTING ROAD EDGE

BRIDGE

BERM

395 US HIGHWAY

CAMPGROUND

80 INTERSTATE HIGHWAY

SALESTAR

N NORTH ARROW

PNFBorder.dwg 3–19–1998 09:50 am PST

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
PLUMAS NATIONAL FOREST
QUINCY, CALIFORNIA

TURNER MP THIN TIMBER SALE

LEGEND

DESIGNED:	J. HENSLEY	DATE:	6/12
DRAWN:	J. HENSLEY	DATE:	6/12
CHECKED:	D. HOPKINS	DATE:	6/12

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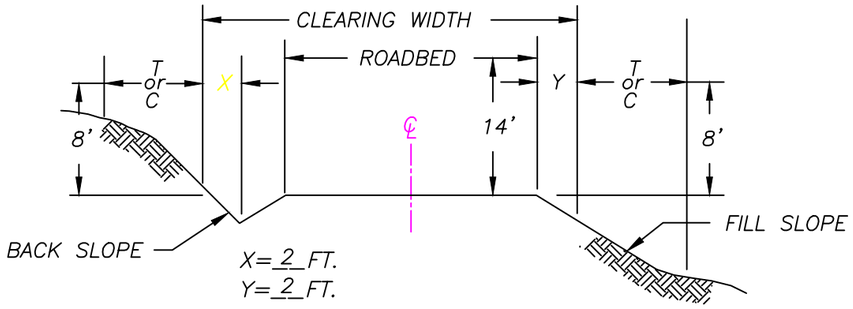
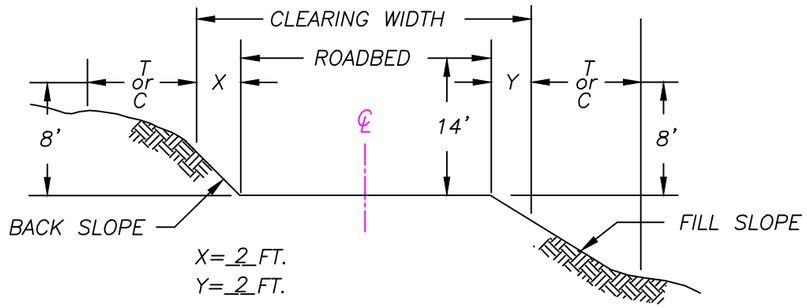
DRAWING NAME
TURNER PLANS & DRAWINGS.DW

SHEET 4

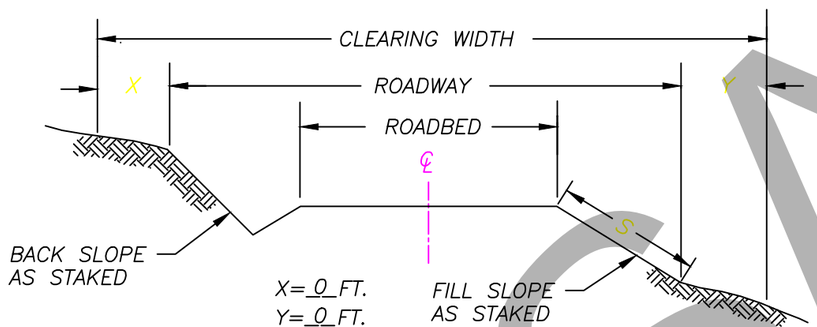
CLEARING



RECONSTRUCTION ~ DITCH SECTION



RECONSTRUCTION ~ NO DITCH



OR 2 FT. FROM EDGE OF ROAD, WHICHEVER IS GREATER.

NEW CONSTRUCTION & NEWLY CONSTRUCTED SLOPES

NOTES:

1. ROADBED WIDTHS SHOWN ON PLAN AND PROFILE, OR WORKLIST PLANS, INCLUDE TURNOUTS AND CURVE WIDENING.

2. BLADE TO DAYLIGHT OR CONSTRUCT DRAINAGE DITCH, UNLESS OTHERWISE SHOWN ON PLANS. WHERE DAYLIGHT WILL EXCEED 5', CONSTRUCT DRAINAGE DITCH. WHEN AGREED, A DRAINAGE DITCH SHAPE MAY BE USED FOR LEAD-OFF DITCH.

A CROSS SLOPE OF 4% +/- 1%, SHALL BE USED FOR ALL SUPERELEVATED CURVES, AND FOR ALL INSLOPED, OUTSLOPED, OR CROWNED ROADBEDS.

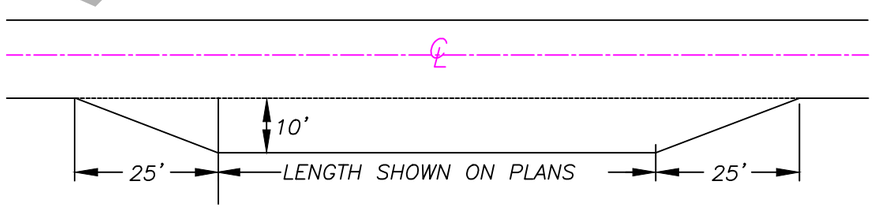
SEEDING AND MULCHING AREAS SHALL CONSIST OF FILL SLOPES, SPECIFIED AREAS IDENTIFIED ON THE DRAWINGS, AND AREAS UNNECESSARILY DISTURBED OR REPEATEDLY USED DURING CONSTRUCTION. DIMENSION "S", ON NEW CONSTRUCTION AND NEWLY CONSTRUCTED SLOPES SHALL BE 6', OR TOE OF FILL, WHICHEVER IS GREATER.

A GRADER FINISH SHALL BE REQUIRED ON ALL PROJECTS. THE SUBGRADE SHALL BE VISIBLY MOIST DURING BLADING AND SHAPING OPERATIONS.

IN CLEAR OR TRIM SECTIONS, LEAVE STABLE TREES OVER 6" D.B.H..

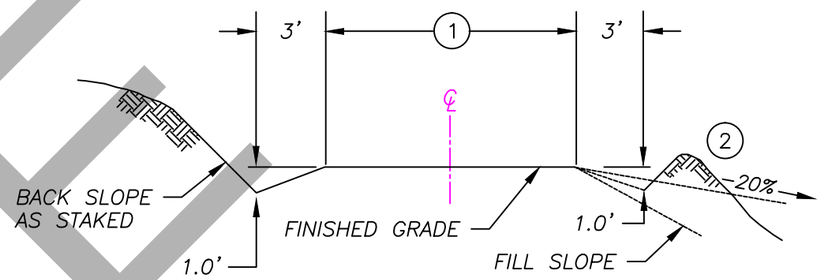
ROADS CONSTRUCTED UNDER SECTION 203 SHALL USE CONSTRUCTION TOLERANCE CLASS K.

"C"=CLEAR "T"=TRIM

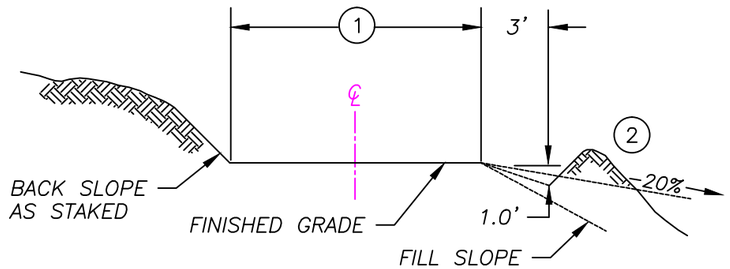


TURNOUT

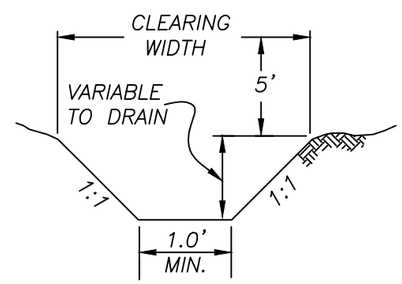
CONSTRUCTION



TYPICAL ROADWAY ~ DITCH SECTION



TYPICAL ROADWAY ~ NO DITCH



LEAD-OFF DITCH

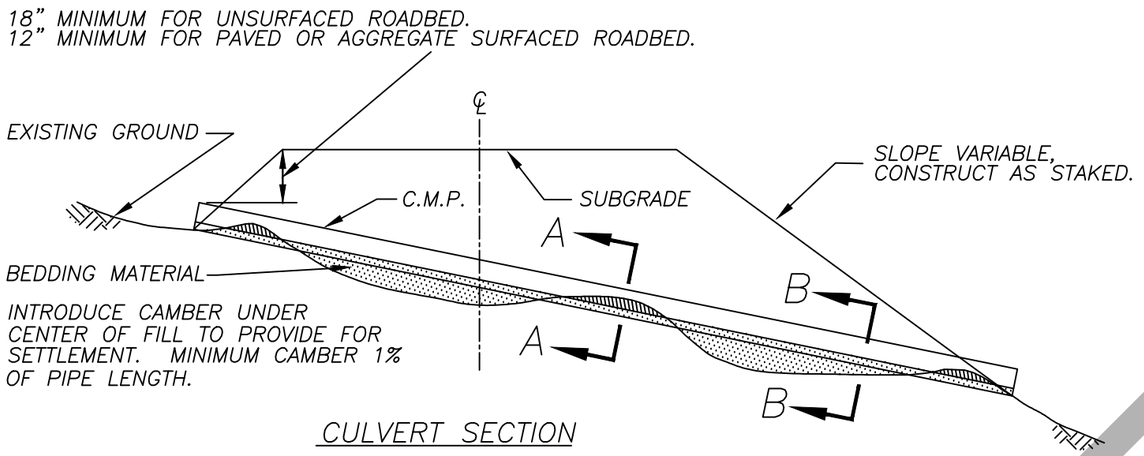
U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE PLUMAS NATIONAL FOREST QUINCY, CALIFORNIA	TURNER MP THIN ALL ROADS	CLEARING AND CONSTRUCTION DETAIL	DESIGNED: J. HENSLEY DATE: 6/12 DRAWN: J. HENSLEY DATE: 6/12 CHECKED: D. HOPKINS DATE: 6/12

DATE	REVISION	BY

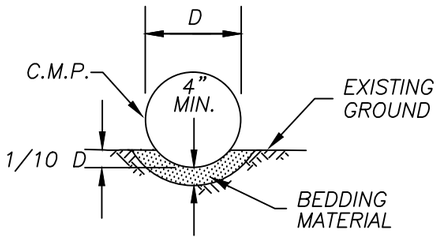
DRAWING NAME
TURNER PLANS & DRAWINGS.DW

SHEET 5

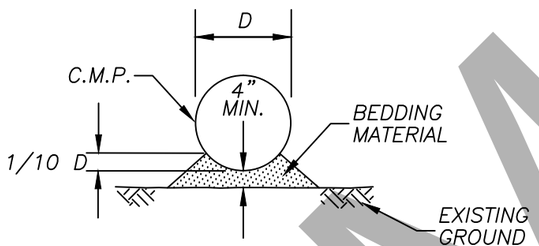
TYPICAL BEDDING AND EXCAVATION DETAILS



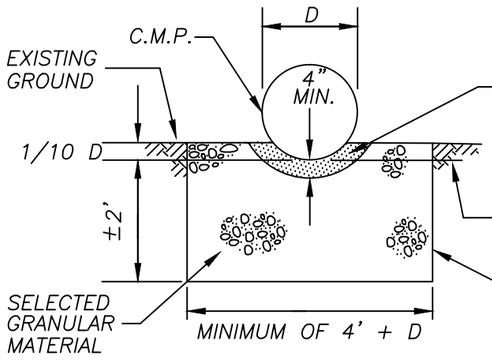
CULVERT SECTION



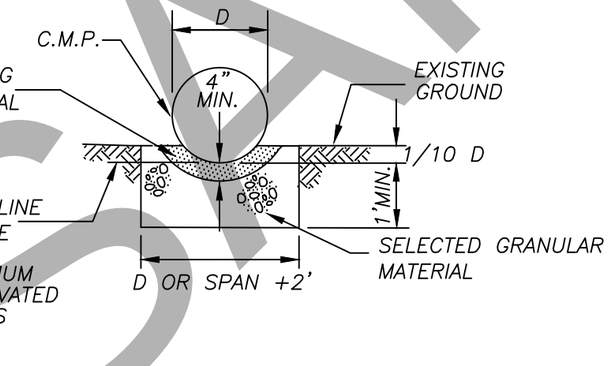
SECTION A–A



SECTION B–B

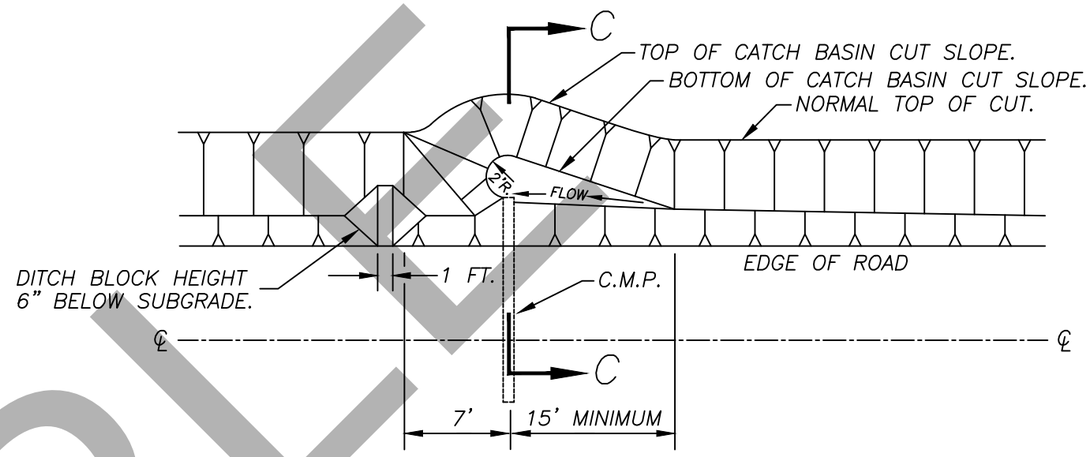


UNSUITABLE FOUNDATION

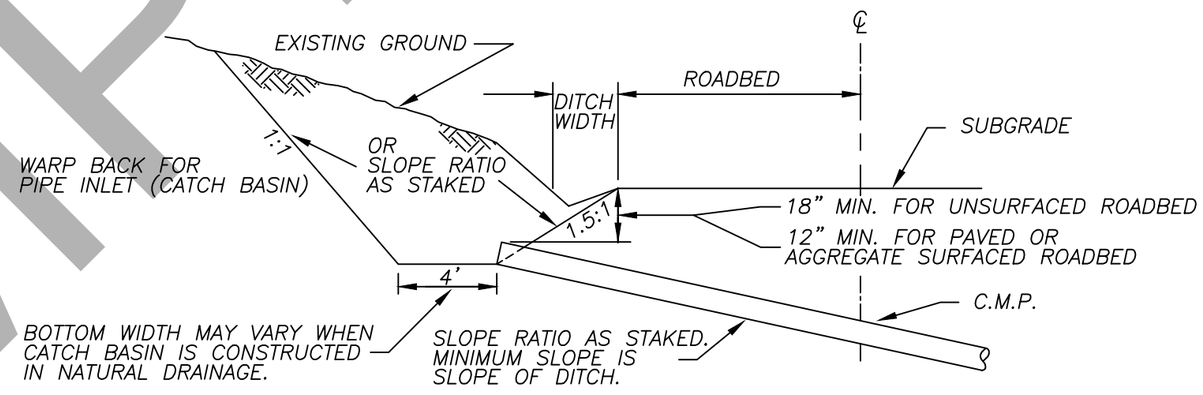


ROCK FOUNDATION

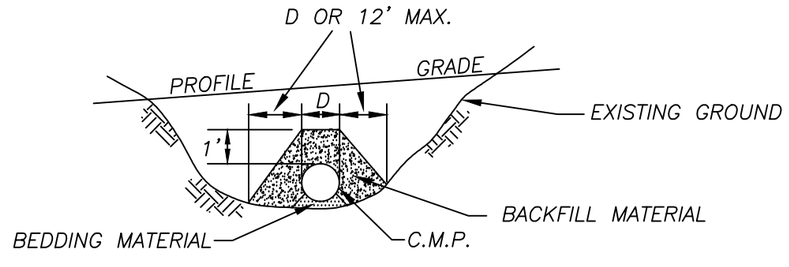
EARTH CATCH BASIN DETAILS



PLAN



SECTION C–C



METHOD OF BACKFILLING PIPE

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
PLUMAS NATIONAL FOREST
QUINCY, CALIFORNIA

TURNER MP THIN TIMBER SALE

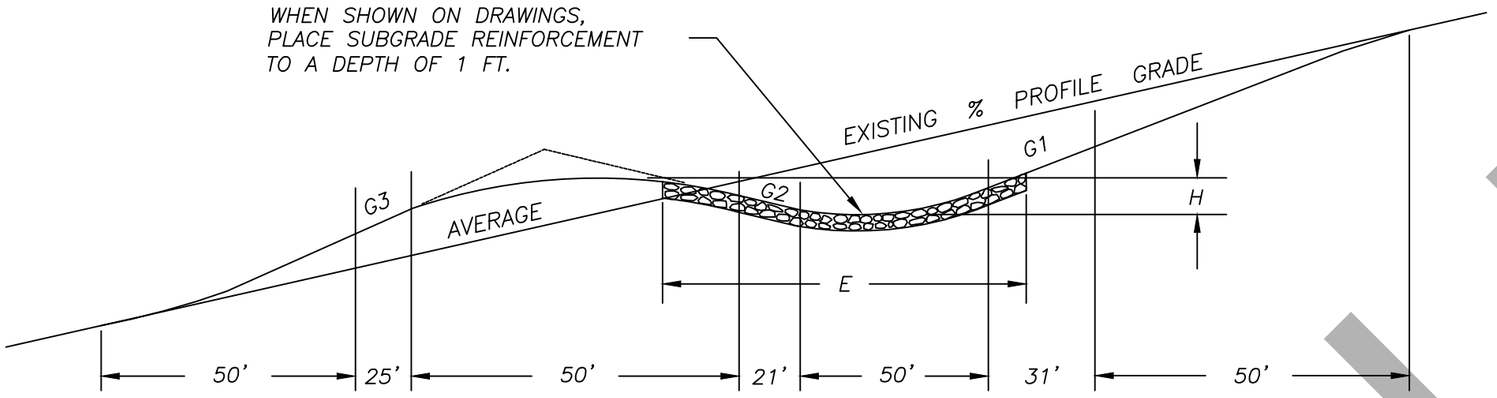
CULVERT INSTALLATION TYPICAL

DESIGNED:	J. HENSLEY	DATE:	6/12
DRAWN:	J. HENSLEY	DATE:	6/12
CHECKED:	D. HOPKINS	DATE:	6/12

DATE	REVISION	BY

DRAWING NAME
TURNER PLANS & DRAWINGS.DW

SHEET 6



PROFILE VIEW

ROLLING DIP CONSTRUCTION DIMENSIONS						
% PROFILE GRADE	CONST. GRADE			DEPTH	REINFORCEMENT	
	G1	G2	G3	(H)	LENGTH (E)	CUBIC YARDS
0 TO 4	−7	2	−6	0.6'	20'	12
5 TO 6	−10	2	−9	0.6'	20'	12
7 TO 8	−13	2	−12	0.5'	20'	12
9 TO 10	−16	2	−15	0.5'	30'	18
OVER 10 % NOT RECOMMENDED						

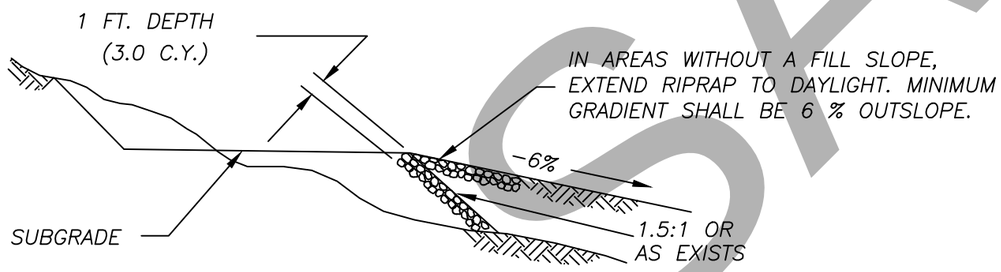
ROLLING DIP CONSTRUCTION NOTES:

1. THE CROSS SLOPE OF THE ROADBED SHALL BE MAINTAINED THROUGH THE DIP.
2. THE DRAIN LINE SHALL BE PERPENDICULAR TO THE CENTER LINE OF THE ROADBED.
3. PLACE CLASS II OUTLET RIPRAP WHEN SHOWN ON THE DRAWINGS. REFER TO OUTLET RIPRAP DETAIL BELOW.
4. FOR DIPS ON AGGREGATE SURFACED ROADS, REDUCE (H) DEPTH BY 0.2 FT.
5. WATERBAR AND DIP CONSTRUCTION TOLERANCES SHALL BE IN ACCORDANCE WITH SUBSECTION 203.16; TOLERANCE CLASS A.

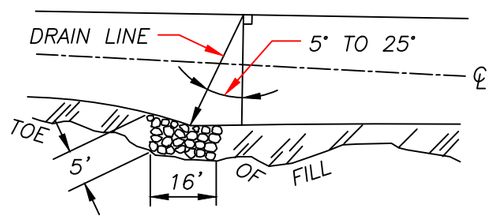
WATERBAR CONSTRUCTION NOTES:

1. WATERBARS ARE USUALLY CONSTRUCTED BY ANGLE DOZERS. WATERBARS SHALL HAVE A CLEAN OUTLET AND BE CONSTRUCTED SO THEY WILL NOT FAIL THROUGH ALL WEATHER USE.
2. THE WATERBAR DRAIN LINE SHALL BE SKEWED 5° TO 25°.
3. WATERBARS SHALL BE CONSTRUCTED SO THAT DRAINLINE EXCAVATION IS APPROXIMATELY SIX INCHES (6") INTO SOLID SOIL AND THE TOP OF COMPACTED WATERBAR IS TWELVE INCHES (12") ABOVE THE DRAINLINE.
4. THE TOTAL LENGTH OF THE WATERBAR SHALL NOT BE LESS THAN SIXTEEN FEET (16').
5. CROSS SLOPE OF THE DRAIN LINE SHALL BE EQUIVALENT TO TO THE CROSS SLOPE OF THE ROAD PLUS TWO PERCENT (2%).

OUTLET RIPRAP



CROSS SECTION VIEW



PLAN VIEW

REINFORCEMENT GRADATION	
SIEVE SIZE	% PASSING
12"	100%
2"	20−80%
3/4"	0−40%
# 200	0−10%

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
PLUMAS NATIONAL FOREST
QUINCY, CALIFORNIA

TURNER MP THIN TIMBER SALE

ROLLING DIP AND WATER BAR TYPICAL

DESIGNED: J. HENSLEY DATE: 6/12
DRAWN: J. HENSLEY DATE: 6/12
CHECKED: D. HOPKINS DATE: 6/12

DATE	REVISION	BY

DRAWING NAME TURNER PLANS & DRAWINGS.DW

SHEET 7

STATION	TO	STATION	WORK ITEMS
0+00			INTERSECTION WITH 25N05
0+00	-	153+00	NO SPECIFIC REPAIR WORK REQUIRED, MAINTAIN ROAD IN ACCORDANCE WITH SECTION 156, 158 AND PROVISION C5.4 IF USED FOR WATER HAUL.
153+00	-	156+80	RECONSTRUCT EXISTING ROADWAY IN ACCORDANCE WITH SECTIONS **201, 203, 204, 209, 251, 602 AND 209** (adj. as per design). TREATMENT FOR CONSTRUCTION SLASH SHALL BE METHOD **E**. EMBANKMENT COMPACTION SHALL BE METHOD **B**, FINISHING COMPACTION SHALL BE METHOD **B** . THE CONSTRUCTION TOLERANCE CLASS SHALL BE **"G"**. THE FINISHED ROADBED WIDTH SHALL INCLUDE THE EXISTING TURNOUTS AND CURVE WIDENING. THE MINIMUM FINISHED ROADBED WIDTH SHALL BE **14** FEET. RECONDITION ROADBED AND ALL DITCHES AND EXISTING DRAINAGE STRUCTURES IN ACCORDANCE WITH SECTIONS **303, 607.04, AND 607.06.**
153+00			PROJECT LIMIT.
153+00	-	156+80	OUTSLOPE ROADBED, LEFT
153+20			CONSTRUCT 10' LEAD-OFF DITCH, LEFT
155+30			RECONSTRUCT DIP
155+75			HAZARD TREE REMOVAL, TWO
156+80			PROJECT LIMIT. END RECONSTRUCTION.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
PLUMAS NATIONAL FOREST
QUINCY, CALIFORNIA

TURNER MP THIN
TIMBER SALE

WORK LIST PLAN
ROAD 25N64

DESIGNED:	J. HENSLEY	DATE:	6/12
DRAWN:	J. HENSLEY	DATE:	6/12
CHECKED:	D. HOPKINS	DATE:	6/12

DATE	REVISION	BY

DRAWING NAME
TURNER PLANS & DRAWINGS.DWG

SHEET 8

STATION	TO	STATION	WORK ITEMS
0+00			PROJECT LIMIT. INTERSECTION WITH HWY 70
0+00	-	872+23	NO SPECIFIC REPAIR WORK REQUIRED. MAINTAIN ROAD IN ACCORDANCE WITH SECTION 156, 158 AND PROVISION C5.4 IF USED FOR WATER HAUL.
872+23	-	990+63	RECONSTRUCT EXISTING ROADWAY IN ACCORDANCE WITH SECTIONS **201, 203, 204, 209, 251, 602 AND 209** (adj. as per design). TREATMENT FOR CONSTRUCTION SLASH SHALL BE METHOD **E**. EMBANKMENT COMPACTION SHALL BE METHOD **B**, FINISHING COMPACTION SHALL BE METHOD **B** . THE CONSTRUCTION TOLERANCE CLASS SHALL BE **"G"**. THE FINISHED ROADBED WIDTH SHALL INCLUDE THE EXISTING TURNOUTS AND CURVE WIDENING. THE MINIMUM FINISHED ROADBED WIDTH SHALL BE **14** FEET. RECONDITION ROADBED AND ALL DITCHES AND EXISTING DRAINAGE STRUCTURES IN ACCORDANCE WITH SECTIONS **303, 607.04, AND 607.06.**
872+23			PROJECT LIMIT
872+63			REMOVE HAZARD TREE. REMOVE EXISTING 18" CMP AND REPLACE WITH A 20' LENGTH 18" CMP. LOWER REPLACEMENT CMP 6" FROM ORIGINAL CULVERT PLACEMENT. RAISE ROAD GRADE 6", INCLUDES 40' TRANSITION TO/FROM ORIGINAL GRADE. UTILIZE SUITABLE EXCAVATED MATERIAL FROM STATION 989+93 - 990+63.
873+03			PROJECT LIMIT. END RECONSTRUCTION SECTION ONE.
873+03	-	946+15	NO SPECIFIC REPAIR WORK REQUIRED. MAINTAIN ROAD IN ACCORDANCE WITH SECTION 156, 158 AND PROVISION C5.4 IF USED FOR WATER HAUL.
946+15			PROJECT LIMIT.
946+65			REMOVE TWO HAZARD TREES. WIDEN ROADBED 6' RIGHT. TAPER ROAD WIDTH 50' TO/FROM STATION 946+65.
947+15			PROJECT LIMIT. END RECONSTRUCTION SECTION TWO.
947+15	-	988+58	NO SPECIFIC REPAIR WORK REQUIRED. MAINTAIN ROAD IN ACCORDANCE WITH SECTION 156, 158 AND PROVISION C5.4 IF USED FOR WATER HAUL.
988+58			PROJECT LIMIT.
988+58	-	989+23	WIDEN ROADBED 4', LEFT.FINISHED ROADBED WIDTH 16'. INCLUDES 25' TAPERS AT EACH END.
989+58			REMOVE TWO HAZARD TREES. REMOVE EXISTING 18" CMP AND REPLACE WITH A 30' LENGTH 18" CMP. DROP REPLACEMENT CULVERT 6" AT INLET AND 18" AT OUTLET FROM ORIGINAL CULVERT PLACEMENT. WIDEN ROADBED RIGHT 4'. UTILIZE SUITABLE EXCAVATED MATERIAL FROM STATION 988+58 – 989+23.
989+93	-	990+63	WIDEN ROADBED 5', LEFT. FINISHED ROADBED WIDTH 16'. INCLUDES 25' TAPERS AT EACH END. UTILIZE MATERIAL TO WIDEN ROADBED RIGHT AT STATION 989+58 AND TO RAISE ROAD GRADE AT 872+63.
990+63			PROJECT LIMIT. END RECONSTRUCTION SECTION THREE.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
PLUMAS NATIONAL FOREST
QUINCY, CALIFORNIA

TURNER MP THIN
TIMBER SALE

WORK LIST PLAN
ROAD PC111

DESIGNED: J. HENSLEY DATE: 6/12
DRAWN: J. HENSLEY DATE: 6/12
CHECKED: D. HOPKINS DATE: 6/12

DATE	REVISION	BY

DRAWING NAME
TURNER PLANS & DRAWINGS.DWG