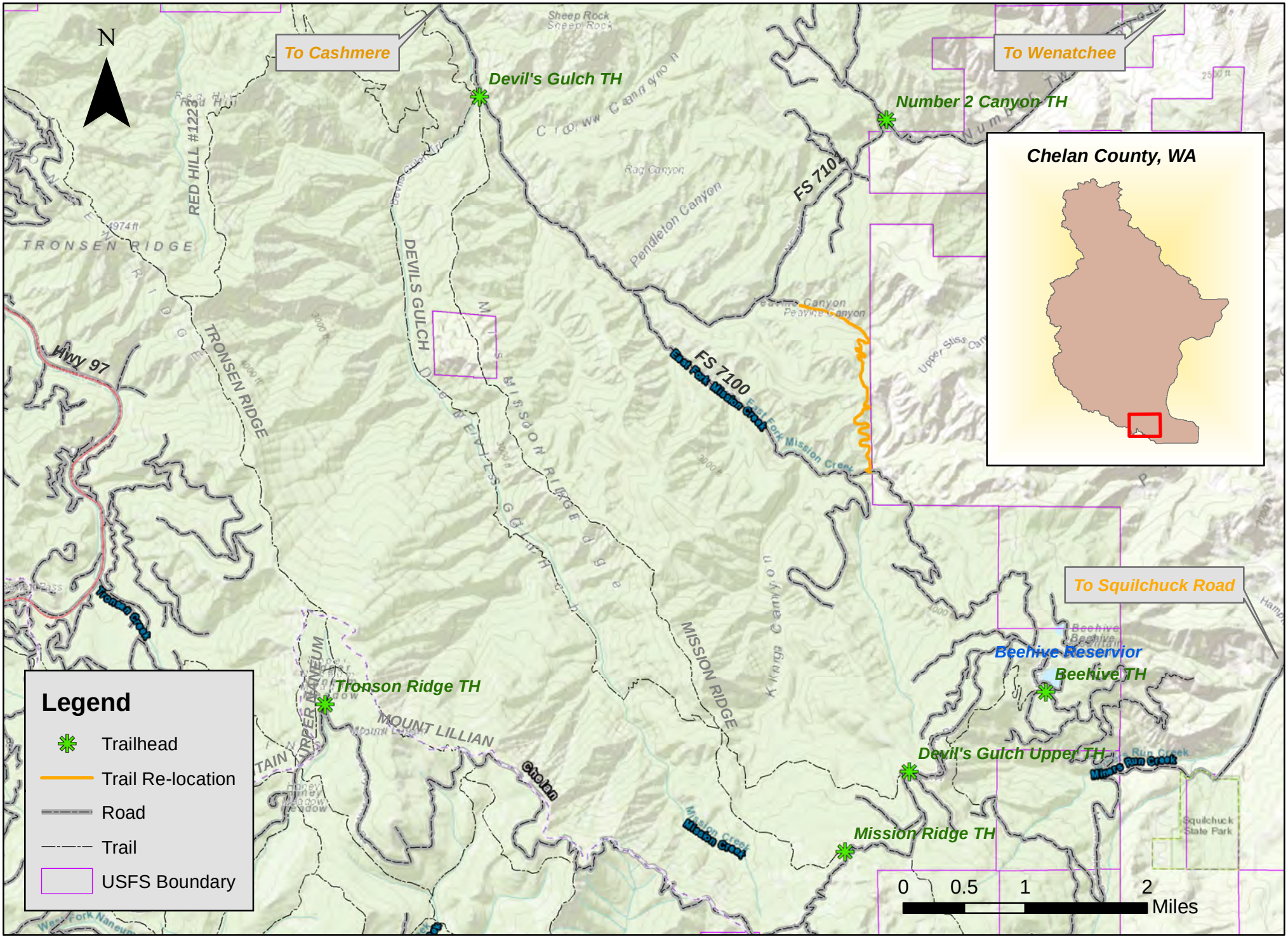
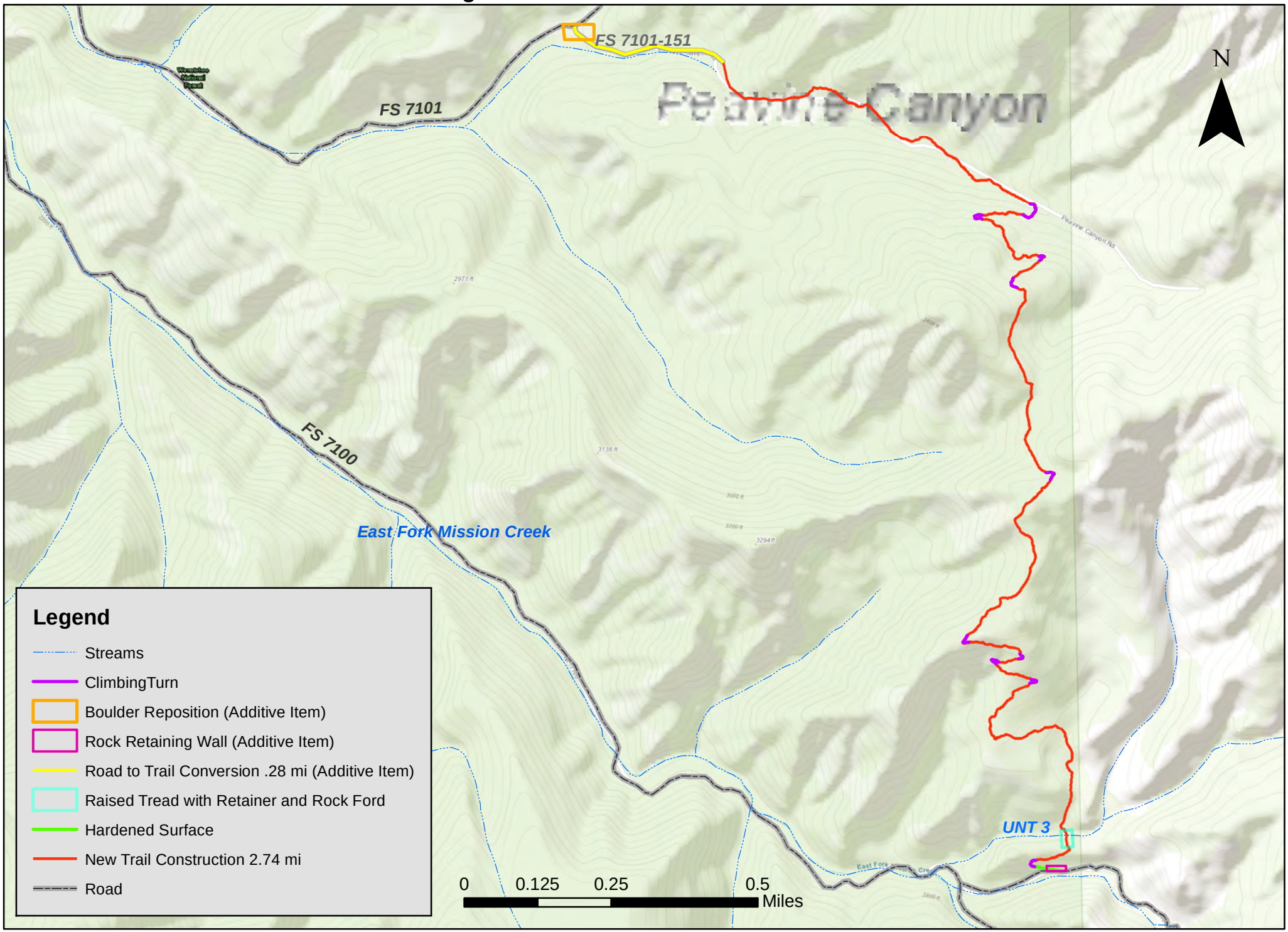
East Fork Mission Creek Trail Re-route Project Area



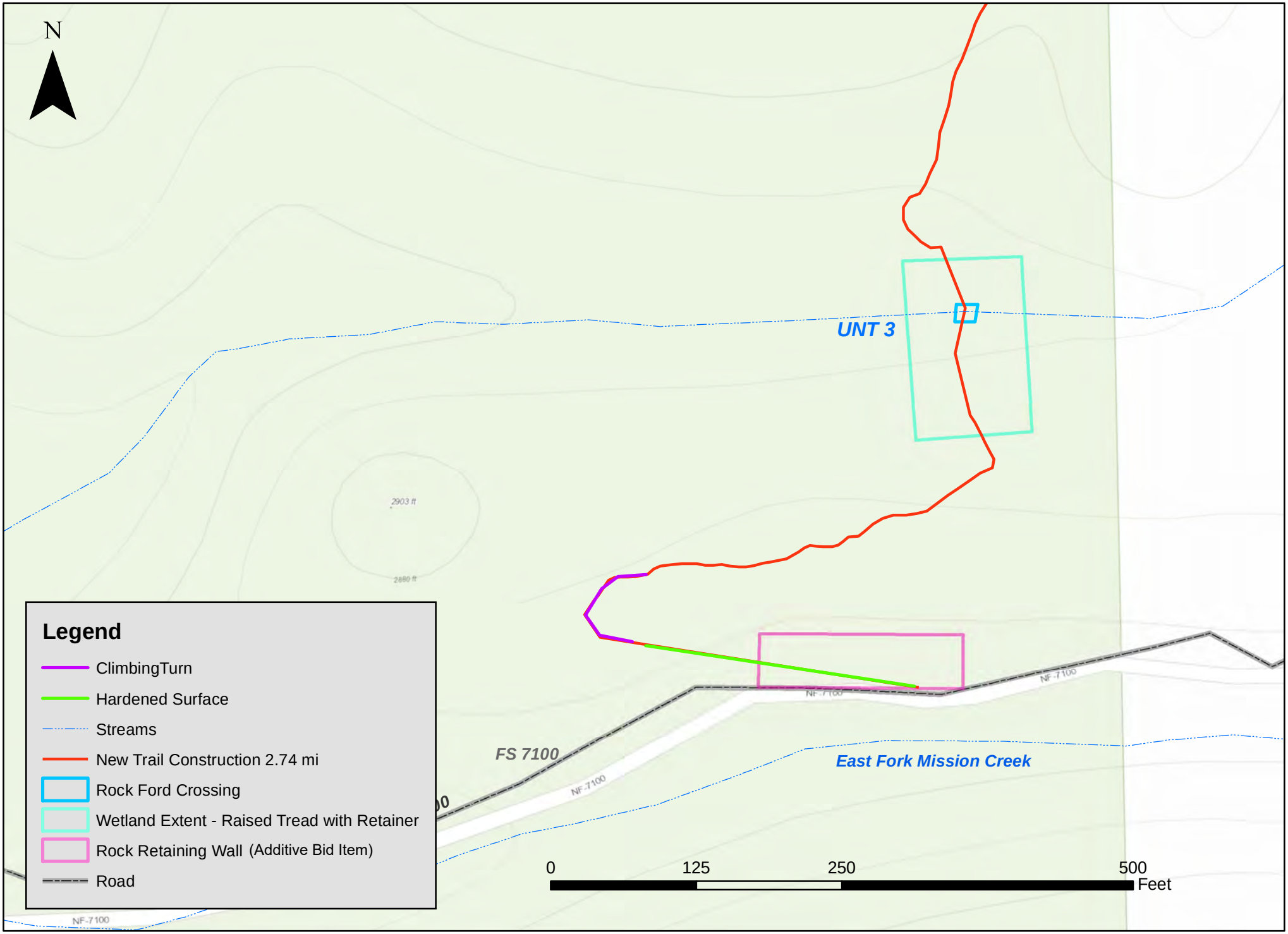
Note: Project area can be accessed from Cashmere via FS 7100, Wenatchee via FS 7101, or Beehive Road via FS 7100. Data Credits: ESRI, USFS, Chelan County 2022

East Fork Mission Creek Trail Re-route Alignment



Data Credits: ESRI, USFS, Chelan County 2022

East Fork Mission Creek Trail Re-route Special Structures



Data Credits: ESRI, USFS, Chelan County 2022

TYPICAL ID DEFINITIONS

DRAWING NUMBER	TYP ID	DRAWING NAME	DRAWING NUMBER	TYP ID	DRAWING NAME
STD_900-01	TTL	TITLE_SHEET	STD_932-10-01	TPK	TURNPIKE
STD_900-02	VCM	VICINITY_MAP	STD_932-20-01	TPF	TURNPIKE_W/FOUNDATION
STD_900-03	GNT	GENERAL_NOTES	STD_933-10-01	SRB	STACKED_ROCK_BARRIER
STD_900-04	WKL	WORK_LIST	STD_933-20-01	MRB	MASONRY_ROCK_BARRIER
STD_900-05	LD1	LINE_DIAGRAM	STD-933-20-02	CMB	CONCRETE_MASONRY_UNIT_BARRIER
STD_900-06	LD2	LINE_DIAGRAM	STD_933-30-01	BRG	BARRIER_RAIL_ON_GRADE
STD_900-07	PP1	PLAN_PROFILE_10	STD_933-40-01	BRP	BARRIER_RAIL_ON_POST
STD_900-08	PP2	PLAN_PROFILE_20	STD_933-40-02	TBP	TIMBER BARRIER ON POST
STD_906-01	SOQ	SUMMARY_OF_QUANTITIES	STD_933-50-01	CRB	CURBS
STD_910-01	STT	STANDARD_TRAIL_TERMS	STD_933-60-01	WGR	GUARDRAIL
STD_911-01	TSF/TCS	TYPICAL_CROSS_SECTION_SLOPE_FINISH	STD_934-10-01	SP1	STANDARD_PUNCHEON
STD_911-02	TDD/TOC	TYPICAL_OBSTRUCTION_CLEARANCE_SECTION	STD_934-10-02	SP2	STANDARD_PUNCHEON
STD_911-03	TRT	TYPICAL_RETAINERS	STD_934-20-01	NDP	NO_DECK_PUNCHEON
STD_911-30-01	ETR	EXISTING_TRAIL_RESTORATION	STD_935-10-01	LCB	LOG_CRIB
STD_911-60-01	OBT	OBLITERATION_OF_TRAILS	STD_935-20-01	RRW	STACKED_ROCK_RETAINING_WALL
STD_912-01	CLT	CLEARING_LIMITS_TREES_LOGS	STD_935-30-01	BRW	GABION_BASKET_RETAINING_WALL
STD_912-02	CLB	CLEARING_LIMITS_BRUSHING	STD_935-40-01	MRW	MASONRY_ROCK_RETAINING_WALL
STD_913-01	TSS	TYPICAL_SURFACING_SECTION	STD_935-40-02	CUM	CONCRETE_MASONRY_UNIT-RETAINING_WALL
STD_913-02	TSR	TYPICAL_SURFACING_SECTION_W/RETAINERS	STD_935-50-01	CCW	CAST_INPLACE_CONCRETE_WALL
STD_913-03	THS	TYPICAL_HARDENED_SURFACING	STD_936-10-01	ITS	INDIVIDUAL_TIMBER_PINNED_STEP
STD_913-04	HSR	TYPICAL_HARDENED_SURFACING_W/RETAINERS	STD_936-10-02	IRS	INDIVIDUAL_ROCK_STEP
STD_913-40-01	GUS	GRID_UNIT_SURFACING	STD_936-20-01	ORS	OVERLAPPING_ROCK_STEP
STD_913-50-01	RRS	RIPRAP_SURFACING	STD_936-20-02	OTS	OVERLAPPING_TIMBER_STEP
STD_914-01	CTN	CLIMBING_TURN	STD_936-30-01	CRL	CRIB_LADDER
STD_915-01	TAS	TALUS_SECTION	STD_936-40-01	STC	STAIRCASE
STD_916-01	TPS/TOS	TURNOUT_&_PASSING_SECTION	STD_937-10-01	RLS	HANDRAIL_SYSTEM
STD_917-10-01	NFD	NATURAL_FORD	STD_938-10-01	SB1	STANDARD_BOARDWALK
STD_917-20-01	RF1	CONSTRUCTED_ROCK_FORD	STD_938-10-02	SB2	STANDARD_BOARDWALK
STD_917-20-02	RF2	CONSTRUCTED_ROCK_FORD	STD_938-10-03	SB3	STANDARD_BOARDWALK
STD_917-30-01	LF1	CONSTRUCTED_LOG_FORD	STD_938-20-01	EB1	ELEVATED_BOARDWALK
STD_917-30-02	LF2	CONSTRUCTED_LOG_FORD	STD_938-20-02	EB2	ELEVATED_BOARDWALK
STD_918-10-01	RKF	ROCK FOUNDATIONS	STD_938-20-03	EB3	ELEVATED_BOARDWALK
STD_918-20-01	GBF	GABION BASKET FOUNDATIONS	STD_938-20-04	EB4	ELEVATED_BOARDWALK
STD_918-30-01	CBF	CRIB FOUNDATIONS	STD_938-30-01	SNR	STEP_N_RUN
STD_918-40-01	GEF	GEOSYNTHETIC FOUNDATIONS	STD_941-10-01	PWF	POST_N_WIRE_FENCE
STD_918-50-01	CDF	CORDUROY FOUNDATIONS	STD_941-20-01	PRF	POST_N_RAIL_FENCE
STD_921-10-01	SCV	STANDARD_CULVERTS	STD_941-30-01	WWF	WOVEN_WIRE_FENCE
STD_921-20-01	CVH	STANDARD_CULVERTS_W/HEADWALLS	STD_941-40-01	JLF	JACK_LEG_FENCE
STD_921-30-01	RCV	ROCK_CULVERT	STD_941-50-01	SRF	STACKED_RAIL_(WORM)_FENCE
STD_921-40-01	TCV	TREATED_TIMBER_BOX_CULVERT	STD_942-10-01	WRG	WIRE_GATE
STD_921-50-01	OTD	OPEN_TOP_DRAIN	STD_942-10-02	WWG	WOVEN_WIRE_GATE
STD_921-60-01	ACV	BOTTOMLESS_ARCH_ROCK_HEADWALL	STD_942-20-01	MSG	METAL_SWING_GATE
STD_921-70-01	LCV	LOG_CULVERTS	STD_942-20-02	WSG	WOOD_SWING_GATE
STD_922-10-01	RWB	ROCK_WATERBAR	STD_942-20-03	WKG	WOOD_SWING_GATE (FOR KISSING GATES)
STD_922-20-01	TWB	LOG_OR_TREATED_TIMBER_WATERBAR	STD_942-30-01	LRG	LOOSE_RAIL_GATE
STD_922-30-01	BWB	BELTED_WATERBAR	STD_942-40-01	KG1	ACCESSIBLE_KISSING_GATE_IN_FENCE
STD_923-10-01	RSP	ROCK_SPILLWAY	STD_942-40-02	KG2	ACCESSIBLE_KISSING_GATE_ON_FENCE
STD_924-10-01	RUD	ROCK_UNDERDRAIN	STD_942-50-01	CHI	ACCESSIBLE_CHICANES
STD_924-20-01	SUD	SHEET_UNDERDRAIN	STD_944-10-01	STL	STILES
STD_924-20-02	SDP	SHEET_UNDERDRAIN_W/PIPE	STD_945-10-01	BLD	BOLLARDS
STD_925-01	TDS	TYPICAL_DITCH_SECTIONS	STD_950-01	SNM	SIGNS_&_MARKERS
STD_926-01	BRM	BERMS	STD_951-01	LIN	LOCATION_&_INFORMATION
STD_927-10-01	DD1	DRAIN_DIP	STD_951-02	SPI	SIGN_&_POST_INSTALLATION
STD_927-10-02	DD2	DRAIN_DIP_DETAILS	STD_952-01	RTM	ROUTE_MARKERS
STD_928-10-01	CKD	CHECK_DAM	STD_953-01	RSM	REASSURANCE_MARKER
STD_931-10-01	SW1	SWITCHBACK_TYPE_1	STD_955-01	RCC	ROCK_CAIRN_CONSTRUCTION
STD_931-20-01	SW2	SWITCHBACK_TYPE_2	STD_981-01	SMF	SEEDING_MULCHING_&_FERTILIZING
STD_931-30-01	SW3	SWITCHBACK_TYPE_3			

GENERAL NOTES

SUMMARY OF QUANTITIES

912	NEW TRAIL CLEARING	LS	1
911	TYPICAL TRAIL TREAD AND SLOPE FINISH WITH INTEGRATED DRAINAGE	MILE	2.66
914	CLIMBING TURNS	EA	10
911	TYPICAL SURFACING SECTION WITH RETAINER	LF	154
917	ROCK FORD CROSSING	EA	1
913	HARDENED TREAD SURFACE	LF	200
935	ROCK RETAINING WALL **(AD1)**	LF	50

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
STANDARD TRAIL PLAN

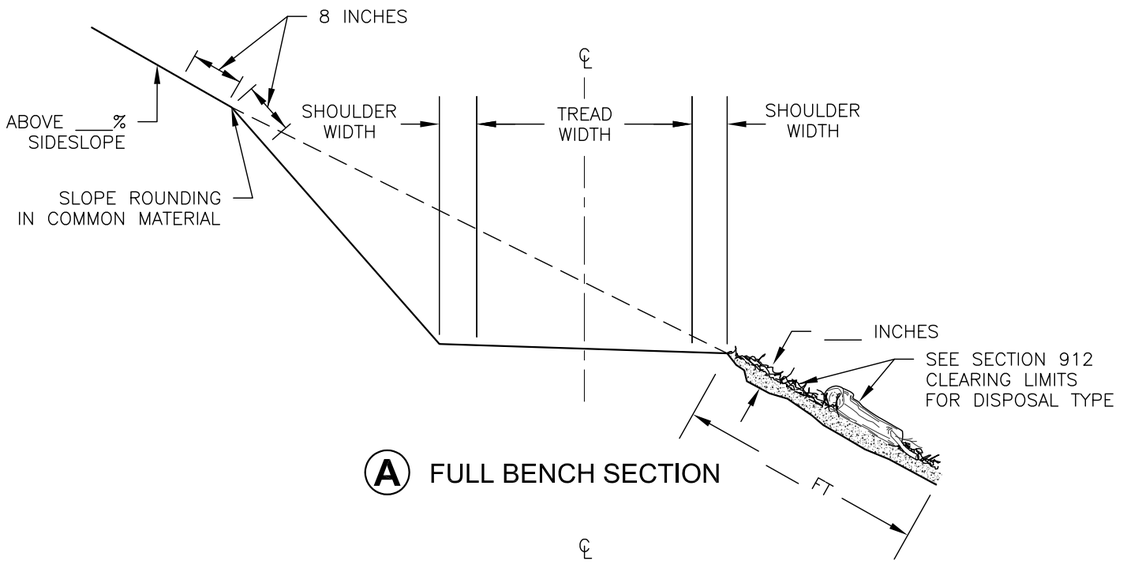
PROJECT NAME & LOCATION

DRAWING NAME: **GENERAL NOTES**
SECTION: **900 - GENERAL**
TYPICAL ID: **GNT**

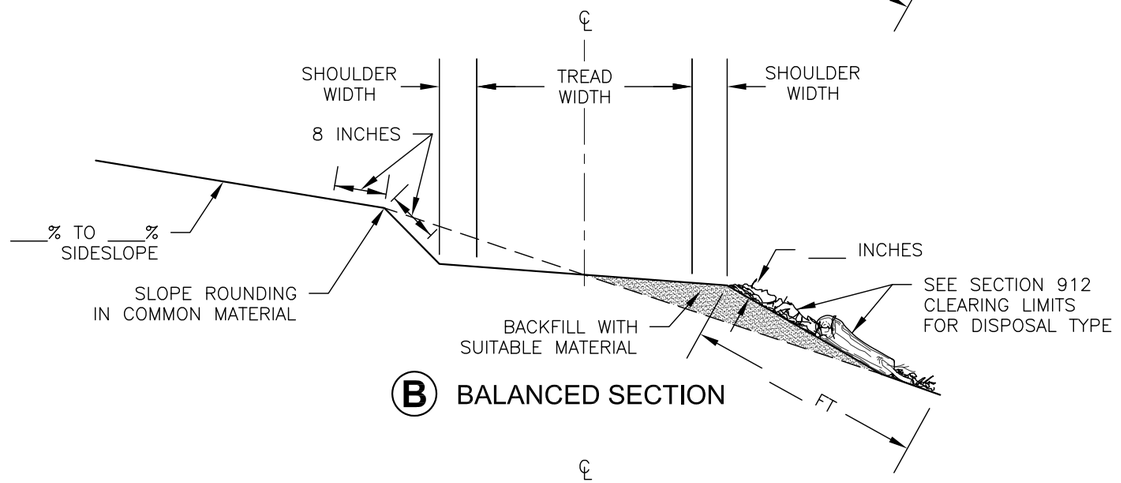
REVISION DATE: **11/17/14**
NO SCALE

DRAWING NO.: **STD_900-03**
SHEET | OF

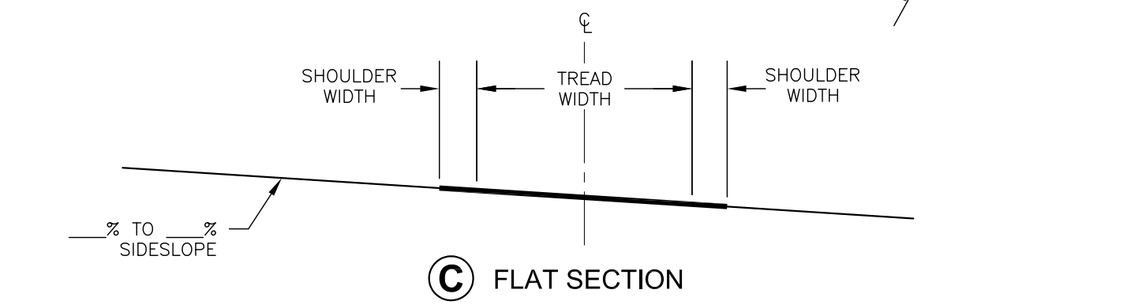
TYPICAL TRAIL CROSS SECTIONS



A FULL BENCH SECTION



B BALANCED SECTION



C FLAT SECTION

TYPICAL TRAIL TREAD AND SHOULDER WIDTH

TYPICAL ID	SECTION TYPE	TREAD FINISH	TREAD WIDTH	SHOULDER WIDTH		COMMENTS
				UPHILL	DOWNHILL	
TSF–1		T	18-36"	12-24"	12-24"	

TREAD CROSS SLOPE

TYPICAL ID	OUTSLOPE	INSLOPE	CROWNED SECTION	COMMENTS
	5-8 %	%	%	maximum 10%

SLOPE AND TRAILBED FINISH

TREAD FINISH	ROOTS	LOOSE ROCK	EMBEDDED ROCK	COMMENTS
T1				
T2				
T3				
T4				
T5				
T6				

TRAILBED AND SLOPE FINISH

SLOPE FINISH

REMOVE ROOTS THAT PROTRUDE FROM THE BACKSLOPE WITH DIAMETERS GREATER THAN SHOWN IN THE SLOPE AND TRAILBED FINISH TABLE.

TRAILBED FINISH

REMOVE LOOSE ROCK ON THE TRAILBED WITH A DIMENSION GREATER THAN SHOWN IN THE SLOPE AND TRAILBED FINISH TABLE.

REMOVE OR REDUCE EMBEDDED ROCK THAT PROTRUDES MORE THAN THE DIMENSIONS SHOWN IN THE SLOPE AND TRAILBED FINISH TABLE.

NOTES:

1. SLASH CONSISTS OF LOGS, LIMBS, BRUSH, AND ROCKS PLACED RANDOMLY IN A WAY TO CATCH SEDIMENT MOVEMENT.
2. LIMB ALL TREES AND SHRUBS AND TAMP SLASH INTO GROUND SO THAT 80% OF SLASH IS IN CONTACT WITH THE GROUND.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME
TYPICAL CROSS SECTION & SLOPE FINISH
SECTION
911 - TREAD AND PRISM
TYPICAL ID
TSF/TCS

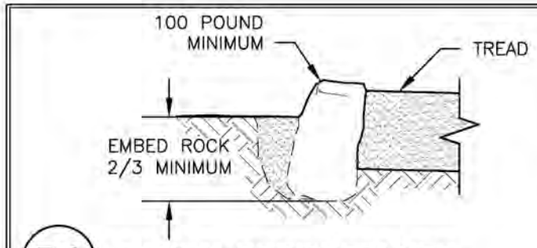
REVISION DATE
XX/XX/XX
NO SCALE

DRAWING NO.
STD_911-01
SHEET
OF

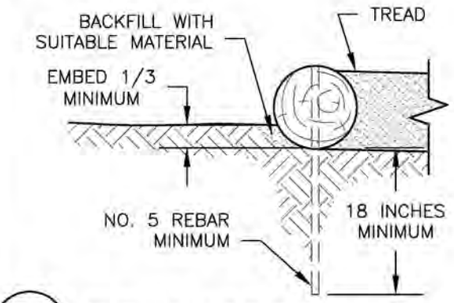
TYPICAL RETAINER TYPE

RETAINER TYPE	MATERIAL	SIZE	SPECIES/ GRADE	PRESERV. TYPE	JOINT TYPE	COMMENTS
R1	ROCK			P	L	
R2a	LOG					
R2b	LOG	8"				Locally sourced or imported
R2c	LOG					
R3a	SAWN TIMBER					
R3b	SAWN TIMBER					
R3c	RAIL ROAD TIES					

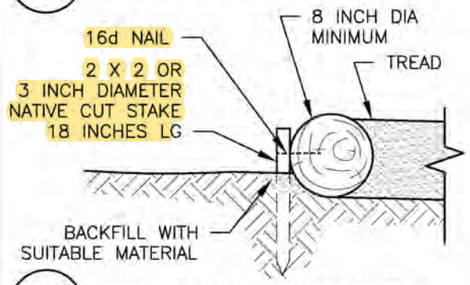
N/A WHEN NOT APPLICABLE



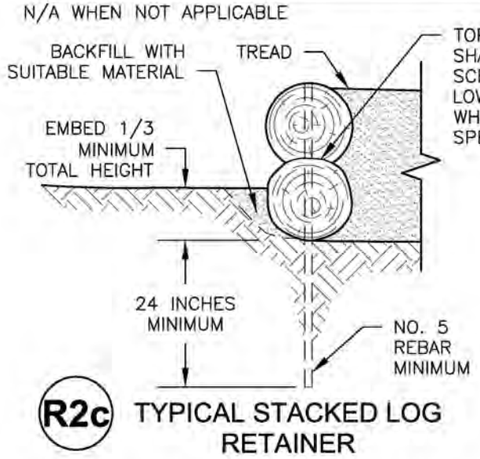
R1 TYPICAL ROCK RETAINER



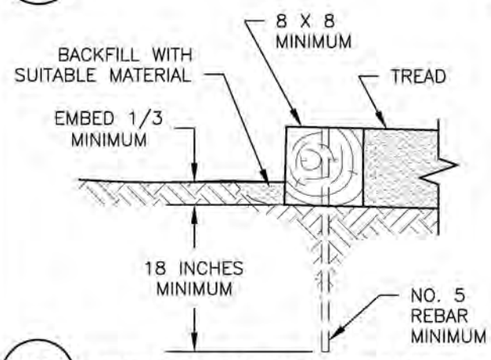
R2a TYPICAL LOG RETAINER



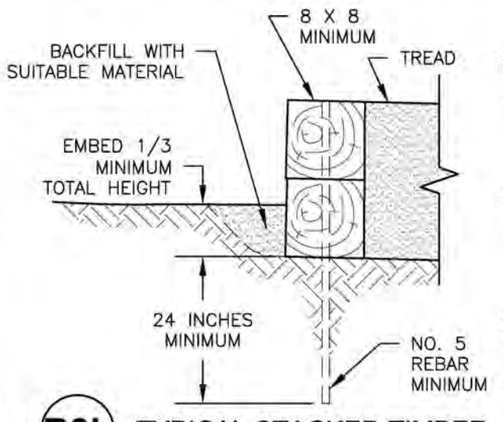
R2b TYPICAL LOG RETAINER



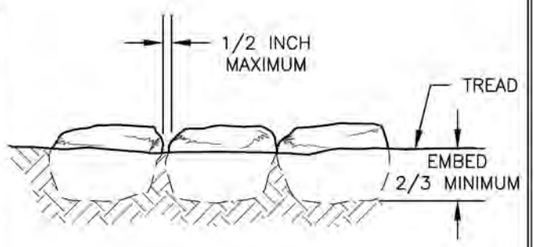
R2c TYPICAL STACKED LOG RETAINER



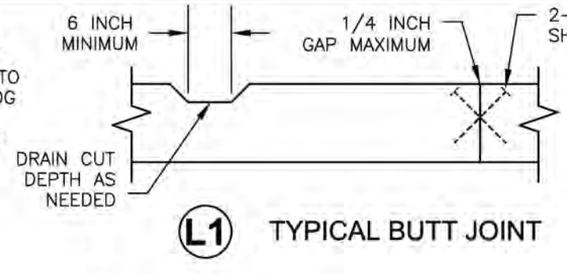
R3a TYPICAL TIMBER RETAINER



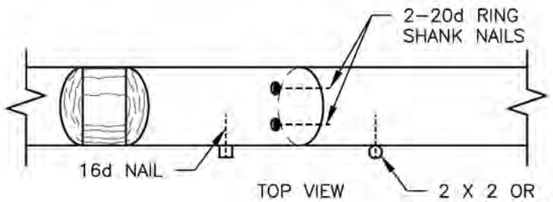
R3b TYPICAL STACKED TIMBER RETAINER

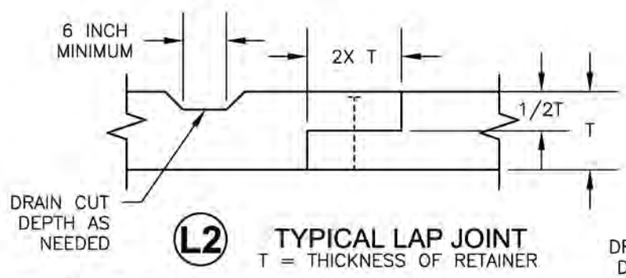


TYPICAL ROCK SPACING

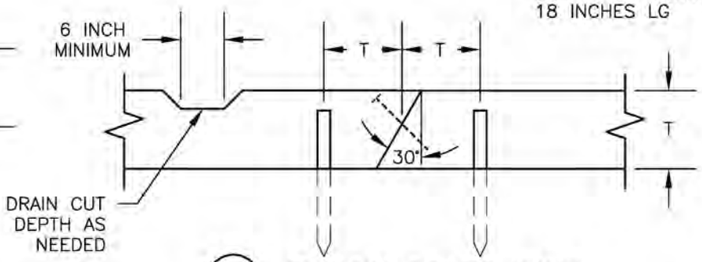


L1 TYPICAL BUTT JOINT





L2 TYPICAL LAP JOINT
T = THICKNESS OF RETAINER



L3 TYPICAL SCARF JOINT
T = THICKNESS OF RETAINER

NOTES:

1. PRE–DRILL HOLES FOR REBAR TO PREVENT SPLITTING OF LOGS OR SAWN TIMBERS. RECESS END OF REBAR 1/2 INCH BELOW TOP OF TIMBER.
2. PLACE REBAR, ANCHOR BOLT OR STAKE 6 INCHES FROM EACH END OF TIMBER WITH MAXIMUM SPACING OF 36 INCHES. FOR STACKED RETAINERS STAGGER JOINTS 24 INCHES MINIMUM.
3. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.
4. ALL FIELD DRILLED HOLES AND CUTS SHALL BE FIELD TREATED.
5. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.

PRESERVATIVE TREATMENT – (REFER TO AWPA USE CATEGORY SYSTEM)			
PRESERVATIVE TYPE	TREATMENT TYPE	USE CATEGORY	COMMENTS
P1	WB	UC4A	
P2	WB	UC3B	
P3			

TREATMENT TYPE
WB = WATERBORNE
OT = OIL–BORNE

USE CATEGORY
UC3B = ABOVE GROUND – EXPOSED
UC4A = GROUND CONTACT – GENERAL USE
UC4B = GROUND CONTACT – HEAVY DUTY

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

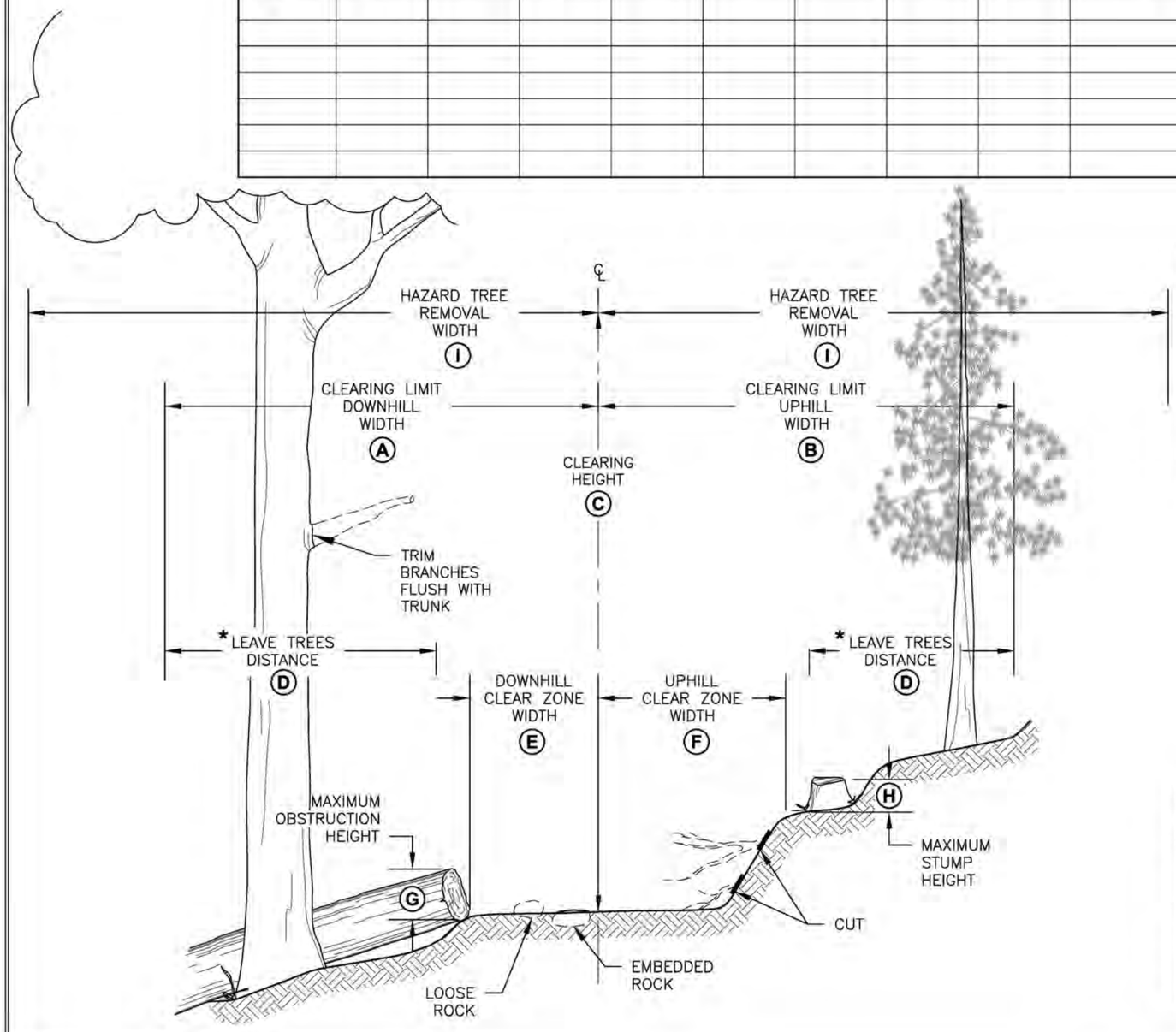
DRAWING NAME: **TYPICAL RETAINERS**
SECTION: **911 - TREAD AND PRISM**
TYPICAL ID: **TRT**

REVISION DATE: **XX/XX/XX**
NO SCALE

DRAWING NO.: **STD_911-03**
SHEET: OF

CLEARING LIMITS - TREES AND LOGS

		CLEARING LIMITS			* LEAVE TREES		CLEAR ZONE			STUMPS	HAZARD TREE		
TYPICAL ID	CLEARING METHOD	DOWNHILL WIDTH (A)	UPHILL WIDTH (B)	CLEARING HEIGHT (C)	DISTANCE (FEET) (D)	DIAMETER (INCHES)	DOWNHILL WIDTH (E)	UPHILL WIDTH (F)	MAXIMUM OBSTRUCTION HEIGHT (G)	MAXIMUM HEIGHT (H)	REMOVAL WIDTH (I)	DISPOSAL METHOD	COMMENTS
CLT–1	C	12-24"'	12-24"	6-8'								D	



CLEARING METHOD

CLEARING TYPE	CLEARING METHOD	COMMENTS
C1	NEW CONSTRUCTION	TREES, PRUNING, & BRUSH
C2	CLEARING LIMIT RESTORATION	TREES, PRUNING, LOGS, BRUSH & MAINTENANCE
C3	TRAIL OPENING	LOGGING OUT, LOOSE ROCK & DRAINAGE CLEARING
C4	HAZARD TREE REMOVAL	ALONG TRAIL CORRIDOR
C5	HAZARD TREE REMOVAL	INDIVIDUAL (AS MARKED)
C6	LOOSE ROCK & ROOT REMOVAL	
C7		

LEAVE TREES: LEAVE TREES SHOULD BE LIVE, SOUND & UNDAMAGED WITH UNCOMPROMISED ROOT SYSTEMS.

HAZARD TREES: HAZARD TREES ARE TREES THAT ARE STANDING OR LEANING DEAD TREES LARGER THAN 8 INCHES IN DIAMETER AND GREATER THAN 90 FEET IN HEIGHT.

DISPOSAL METHOD

DISPOSAL TYPE	DISPOSAL METHOD	COMMENTS
D1	LOP AND SCATTER OUTSIDE TRAILWAY	
D2	LOP AND SCATTER ON FILL SLOPE	
D3	PILE AND BURN	
D4	CHIP	
D5	HAUL TO DISPOSAL SITE	
D6		

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

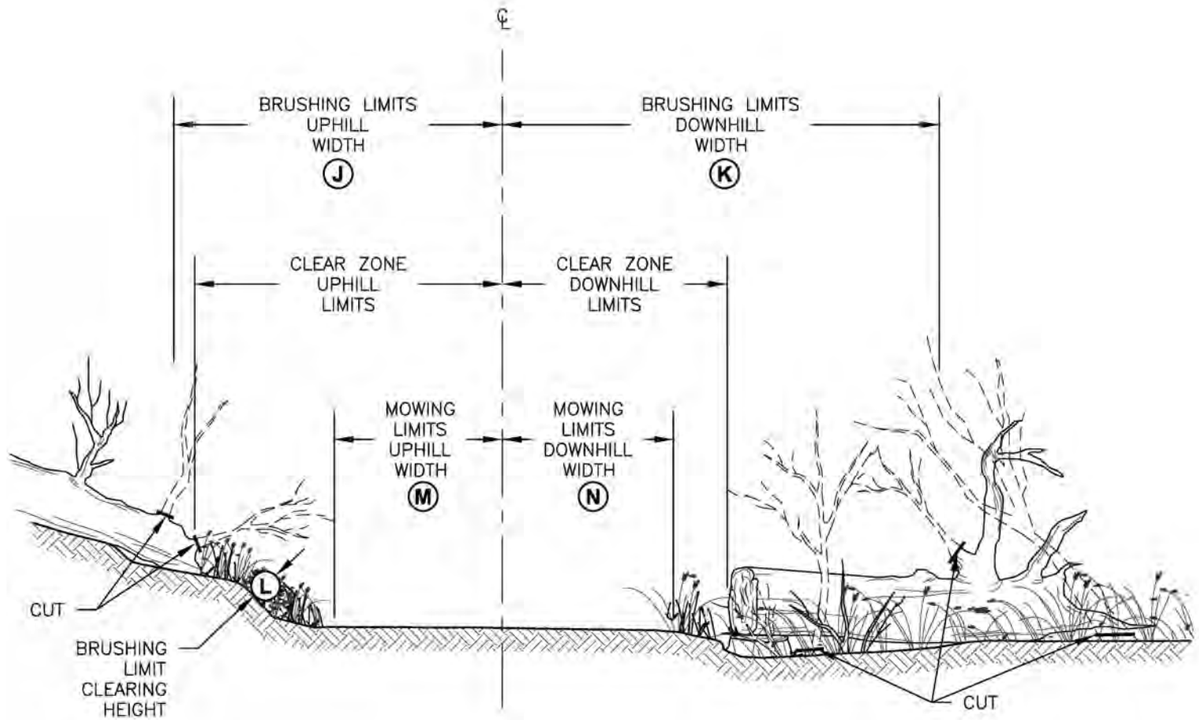
DRAWING NAME
CLEARING LIMITS-TREES AND LOGS
SECTION
912 - CLEARING LIMITS
TYPICAL ID
CLT

REVISION DATE
XX/XX/XX
NO SCALE

DRAWING NO.
STD_912-01
SHEET
OF

CLEARING LIMITS - BRUSHING

TYPICAL ID	CLEARING METHOD	BRUSHING LIMITS UPHILL WIDTH (J)	BRUSHING LIMITS DOWNHILL WIDTH (K)	BRUSHING LIMITS CLEARING HEIGHT (L)	MOWING LIMITS UPHILL WIDTH (M)	MOWING LIMITS DOWNHILL WIDTH (N)	DISPOSAL METHOD	COMMENTS
CLB–1	C	48-60"	48-60"	6-8'			D	



NOTE:
SEE SHEET STD_912–01 FOR CLEAR ZONE LIMITS

CLEARING METHOD

CLEARING TYPE	CLEARING METHOD	COMMENTS
C9	BRUSHING	
C10	MOWING	
C11		

DISPOSAL METHOD

DISPOSAL TYPE	DISPOSAL METHOD	COMMENTS
D1	LOP AND SCATTER OUTSIDE TRAILWAY	
D2	LOP AND SCATTER ON FILL SLOPE	
D3	PILE AND BURN	
D4	CHIP	
D5	HAUL TO DISPOSAL SITE	
D6		

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME
CLEARING LIMITS - BRUSHING

SECTION
912 - CLEARING LIMITS

TYPICAL ID
CLB

REVISION DATE
XX/XX/XX

NO SCALE

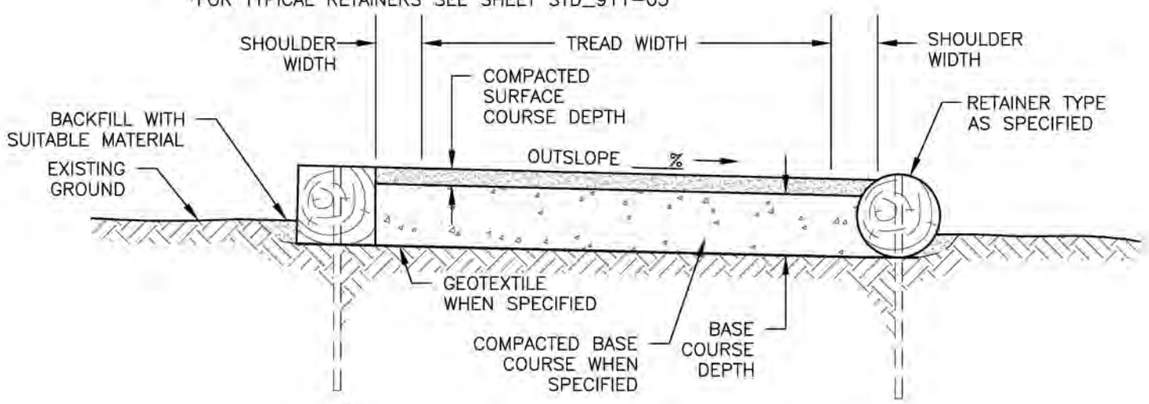
DRAWING NO.
STD_912-02

SHEET
OF

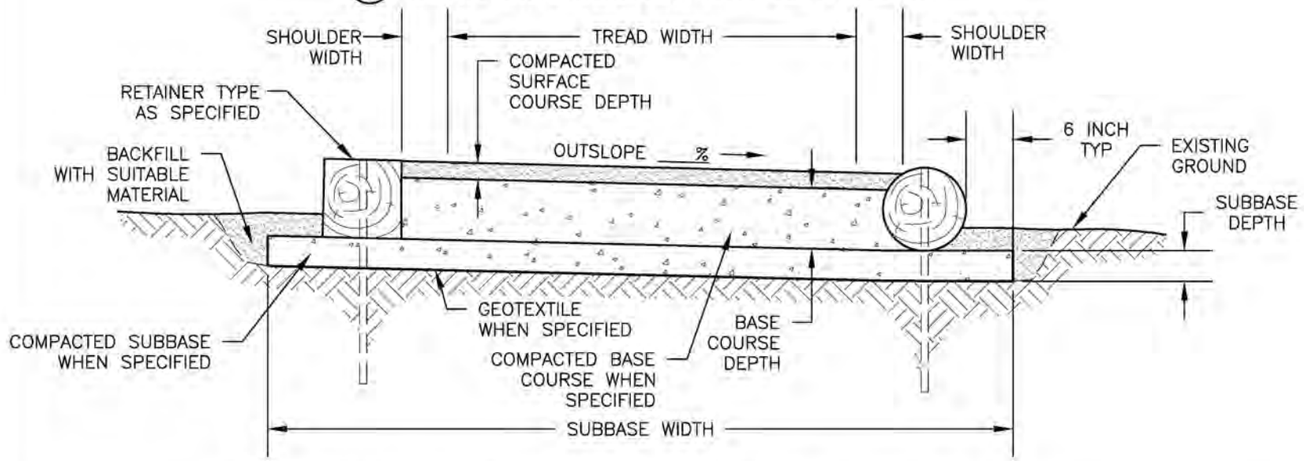
SURFACING SECTIONS

TYPICAL ID	SECTION TYPE	TREAD WIDTH	SHOULDER WIDTH		GEOTEXTILE TYPE	RETAINER*	SUBBASE			BASE COURSE		SURFACE COURSE		COMMENTS
			UPHILL	DOWNHILL		TYPE	TYPE	DEPTH	WIDTH	TYPE	DEPTH	TYPE	DEPTH	
TSR–1	D	48"				R	SB			B		S 1		.5" minus crushed rock

N/A WHEN NOT APPLICABLE
*FOR TYPICAL RETAINERS SEE SHEET STD_911–03



(D) SURFACING SECTION WITH RETAINERS



(E) SURFACING SECTION WITH RETAINERS AND SUB BASE

SUBBASE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
SB1	PITRUN		
SB2	AGGREGATE		
SB3			

BASE COURSE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
B1	PITRUN		
B2	AGGREGATE		
B3			

SURFACE COURSE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
S1	PITRUN		
S2	AGGREGATE		
S3	CLAY		
S4	WOODCHIPS		
S5			

NOTE:

1. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.
2. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME **TYPICAL SURFACING SECTIONS WITH RETAINERS**
SECTION **913 - SURFACING**
TYPICAL ID **TSR**

REVISION DATE **XX/XX/XX**

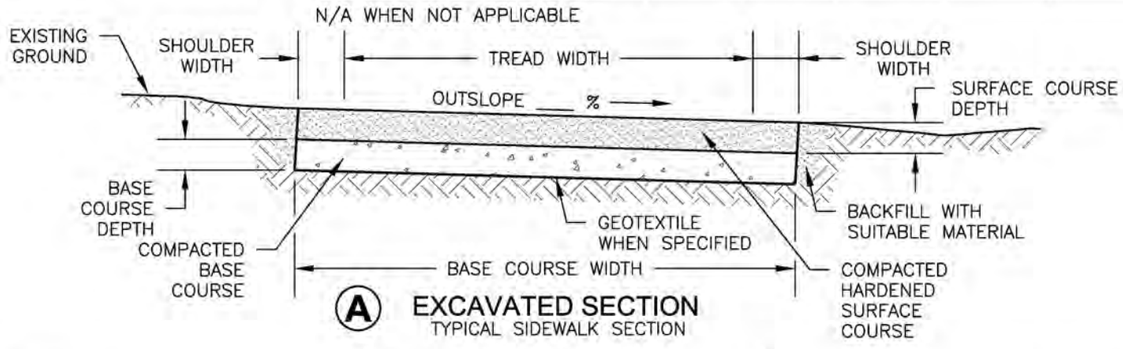
NO SCALE

DRAWING NO. **STD_913-02**
SHEET
OF

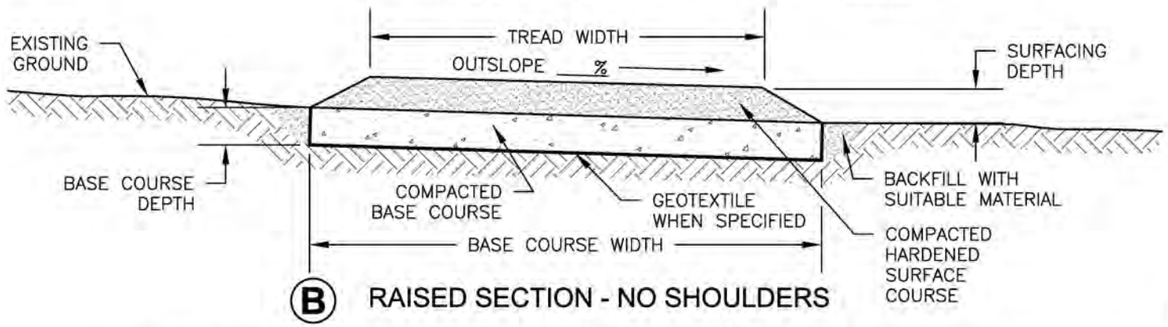
HARDENED SURFACING SECTIONS

TYPICAL ID	SECTION TYPE	TREAD WIDTH	SHOULDER WIDTH		GEOTEXTILE TYPE	BASE COURSE		HARDENED SURFACE COURSE		COMMENTS
			UPHILL	DOWNHILL		TYPE	DEPTH	TYPE	DEPTH	
THS–1	A	28"				B		HS		Grid Pavers

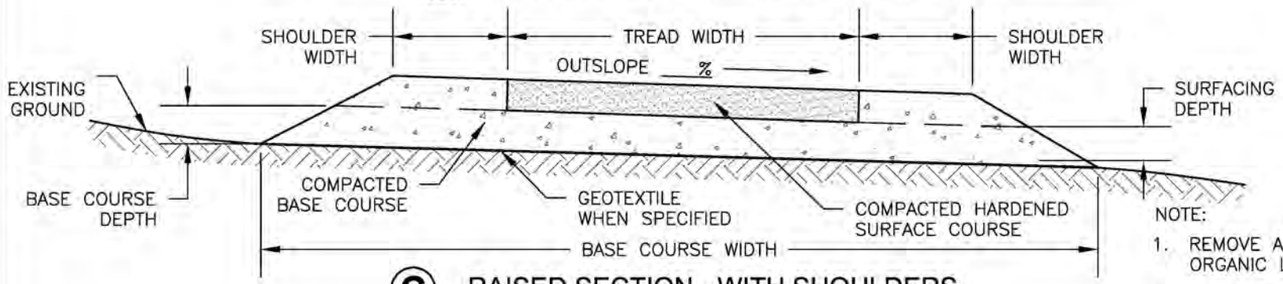
N/A WHEN NOT APPLICABLE



Ⓐ EXCAVATED SECTION
TYPICAL SIDEWALK SECTION



Ⓑ RAISED SECTION - NO SHOULDERS



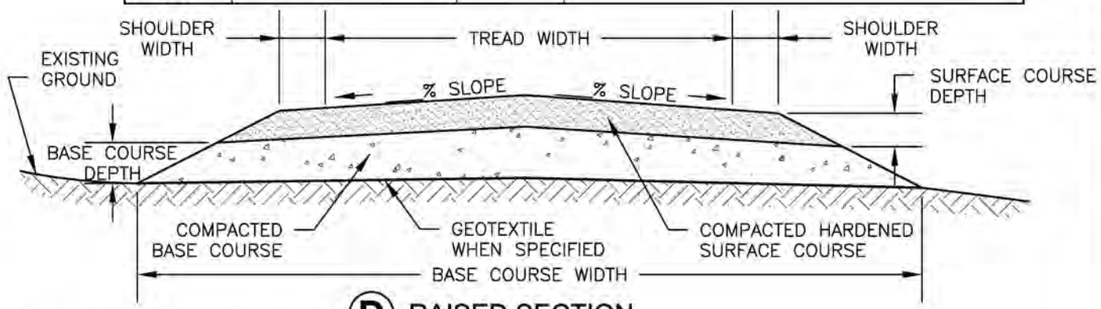
Ⓒ RAISED SECTION - WITH SHOULDERS

BASE COURSE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
B1	PITRUN		
B2	AGGREGATE		
B3			

HARDENED SURFACE COURSE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
HS1	HOT ASPHALT		
HS2	COLD ASPHALT		
HS3	WARM ASPHALT		
HS4	BST – CHIP SEAL		
HS5	STABILIZED AGGREGATE		
HS6	CONCRETE		
HS7			



Ⓓ RAISED SECTION

NOTE:

1. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.
2. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME **TYPICAL HARDENED SURFACING SECTIONS**

SECTION **913 - SURFACING** TYPICAL ID **THS**

REVISION DATE **XX/XX/XX**

NO SCALE

DRAWING NO. **STD_913-03**

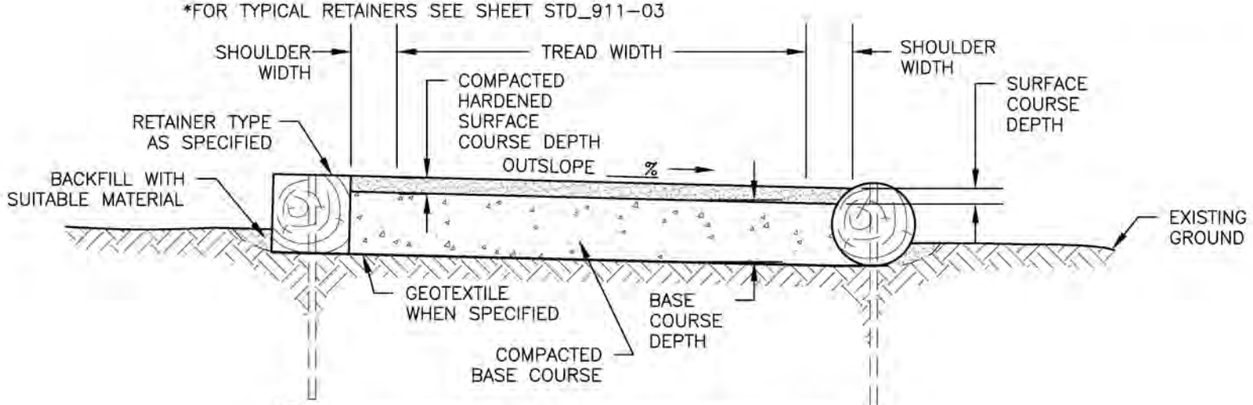
SHEET OF

HARDENED SURFACING SECTIONS WITH RETAINERS

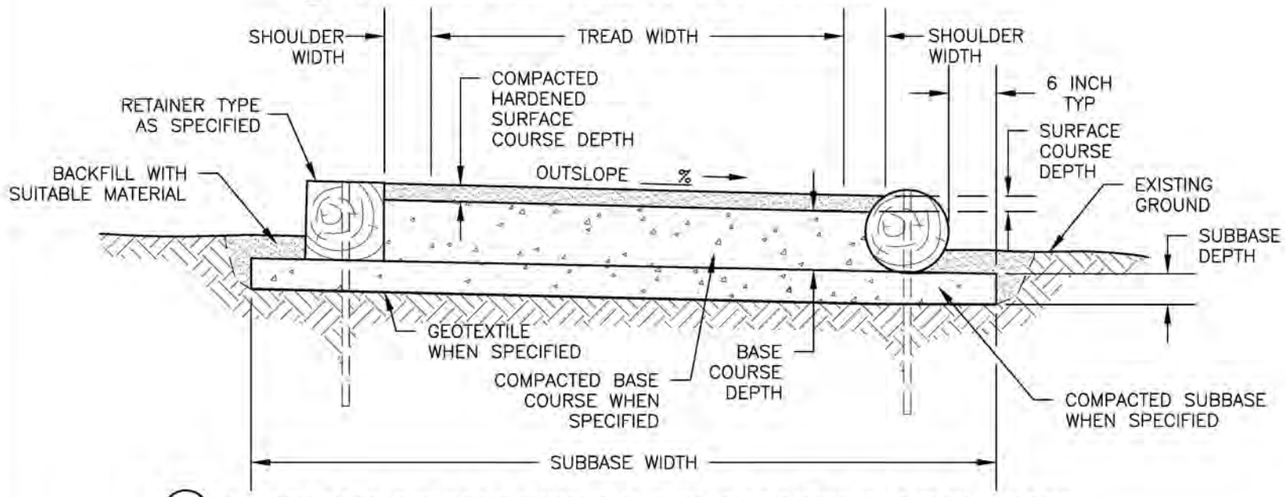
TYPICAL ID	SECTION TYPE	TREAD WIDTH	SHOULDER WIDTH		GEOTEXTILE TYPE	RETAINER*	SUBBASE			BASE COURSE		HARDENED SURFACE COURSE		COMMENTS
			UPHILL	DOWNHILL		TYPE	TYPE	DEPTH	WIDTH	TYPE	DEPTH	TYPE	DEPTH	
HSR–1						R	SB			B		HS		

N/A WHEN NOT APPLICABLE

*FOR TYPICAL RETAINERS SEE SHEET STD_911–03



(E) HARDENED SURFACE WITH RETAINERS



(F) HARDENED SURFACE SECTION WITH RETAINERS AND SUB BASE

SUBBASE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
SB1	PITRUN		
SB2	AGGREGATE		
SB3			

BASE COURSE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
B1	PITRUN		
B2	AGGREGATE		
B3			

HARDENED SURFACE COURSE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
HS1	HOT ASPHALT		
HS2	COLD ASPHALT		
HS3	WARM ASPHALT		
HS4	BST – CHIP SEAL		
HS5	STABILIZED AGGREGATE		
HS6			

NOTE:

1. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.
2. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME **TYPICAL HARDENED SURFACE WITH RETAINERS**

SECTION **913 - SURFACING**

TYPICAL ID **HSR**

REVISION DATE **XX/XX/XX**

NO SCALE

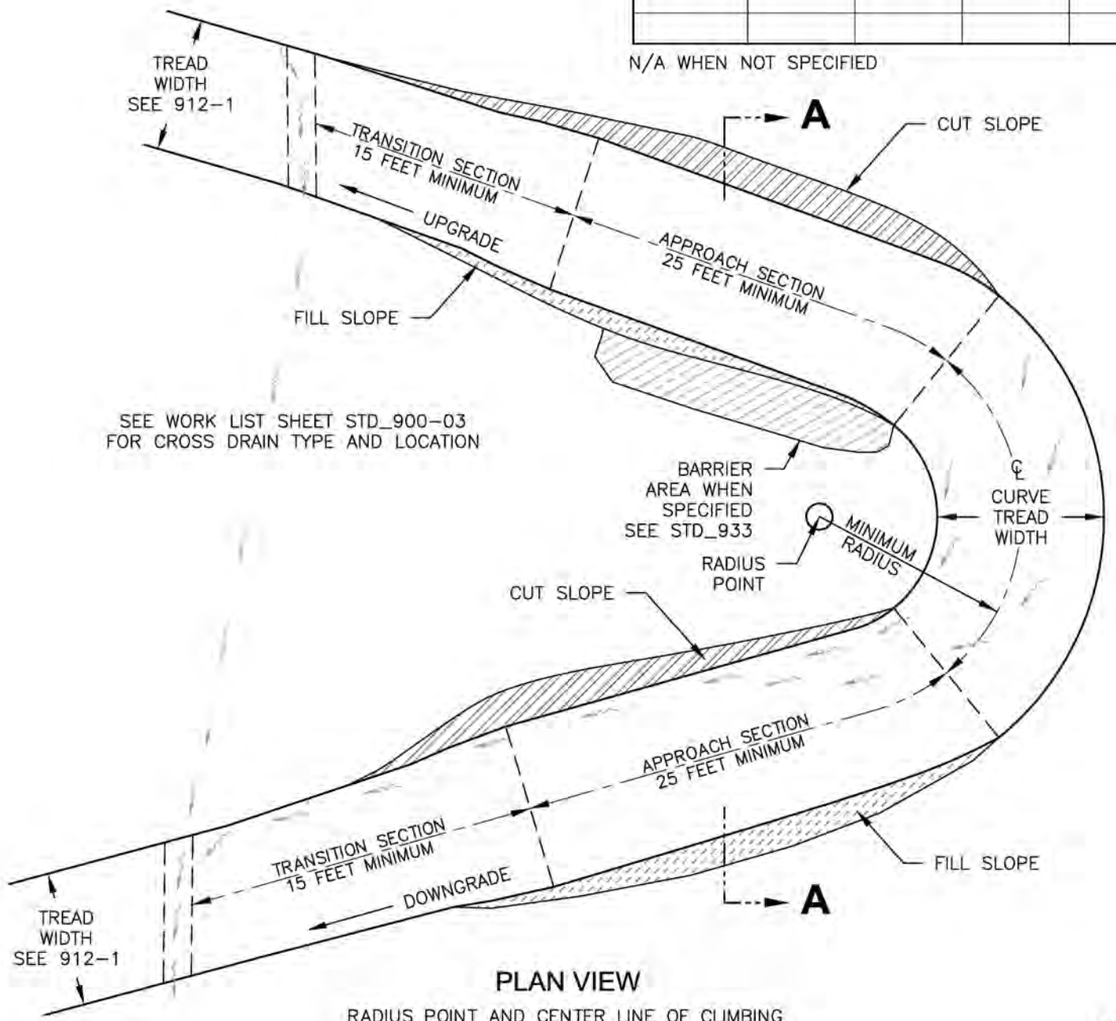
DRAWING NO. **STD_913-04**

SHEET OF

CLIMBING TURN SECTIONS

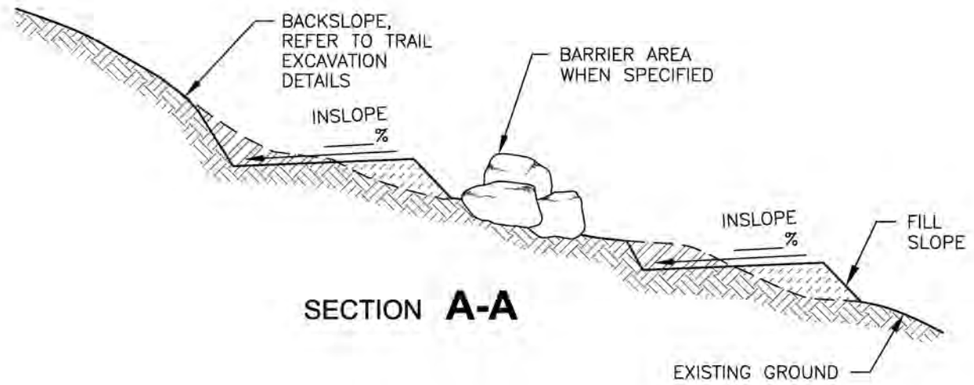
TYPICAL ID	MINIMUM RADIUS	CURVE TREAD WIDTH	BARRIER TYPE	COMMENTS
CTN–1	4-6'	48"		

N/A WHEN NOT SPECIFIED



PLAN VIEW

RADIUS POINT AND CENTER LINE OF CLIMBING TURN WILL STAKED ON THE GROUND.



SECTION **A-A**

NOTE:
CONSTRUCT CONSTANT GRADE THROUGH BOTH APPROACH SECTIONS.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME: **CLIMBING TURN**

SECTION: **914 - CLIMBING TURN**

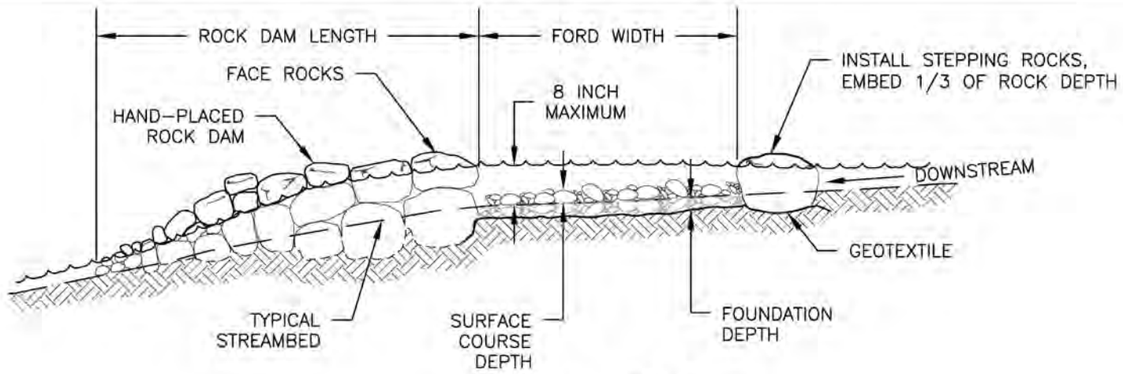
TYPICAL ID: **CTN**

REVISION DATE: **XX/XX/XX**

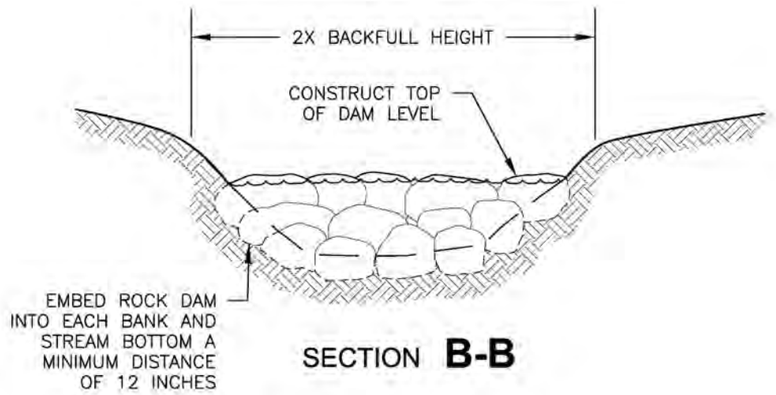
NO SCALE

DRAWING NO.: **STD_914-01**

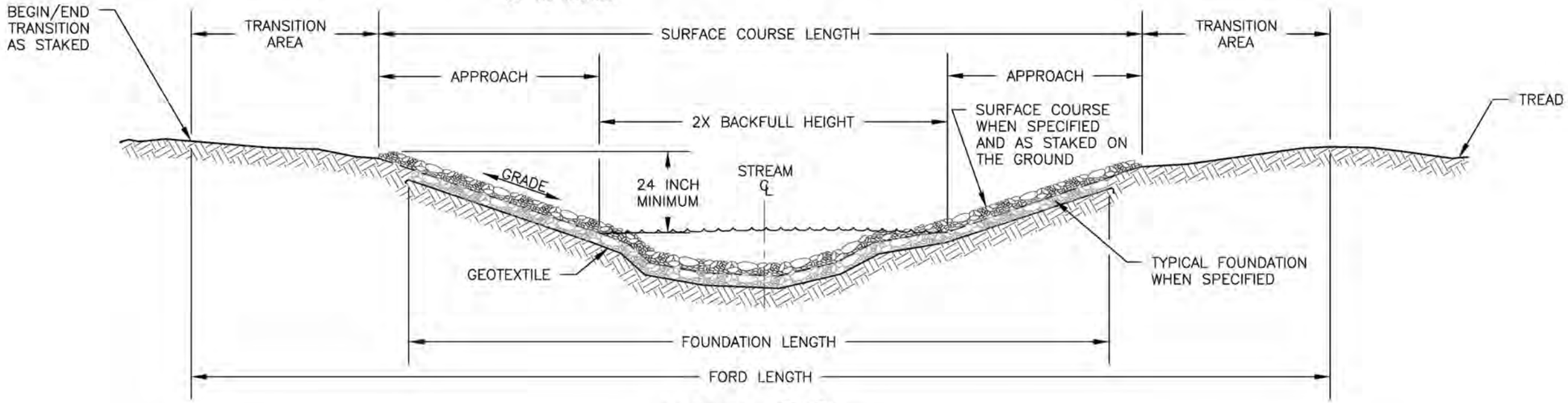
SHEET: OF



SECTION **A-A**



SECTION **B-B**



SECTION **C-C**

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME **CONSTRUCTED FORD ROCK STRUCTURE**

SECTION **917 - FORDS**

TYPICAL ID **RF2**

REVISION DATE **XX/XX/XX**

NO SCALE

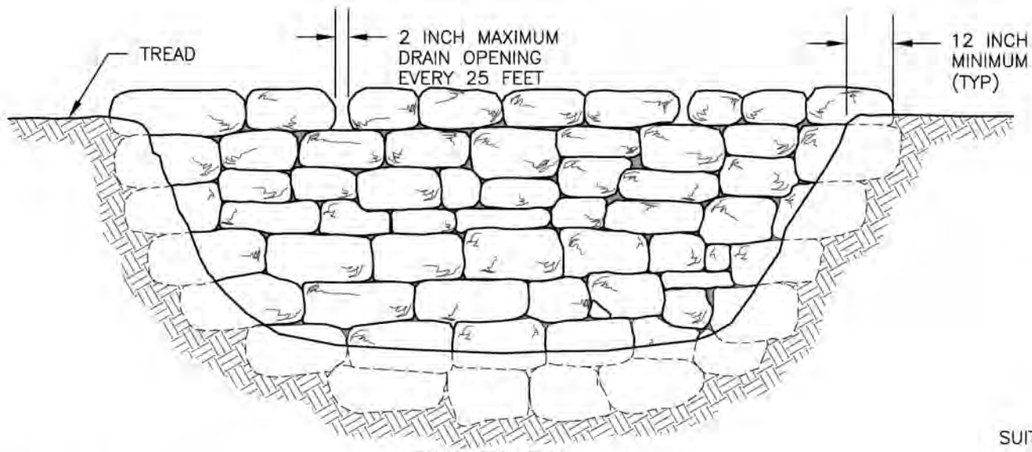
DRAWING NO. **STD_917-20-02**

SHEET OF

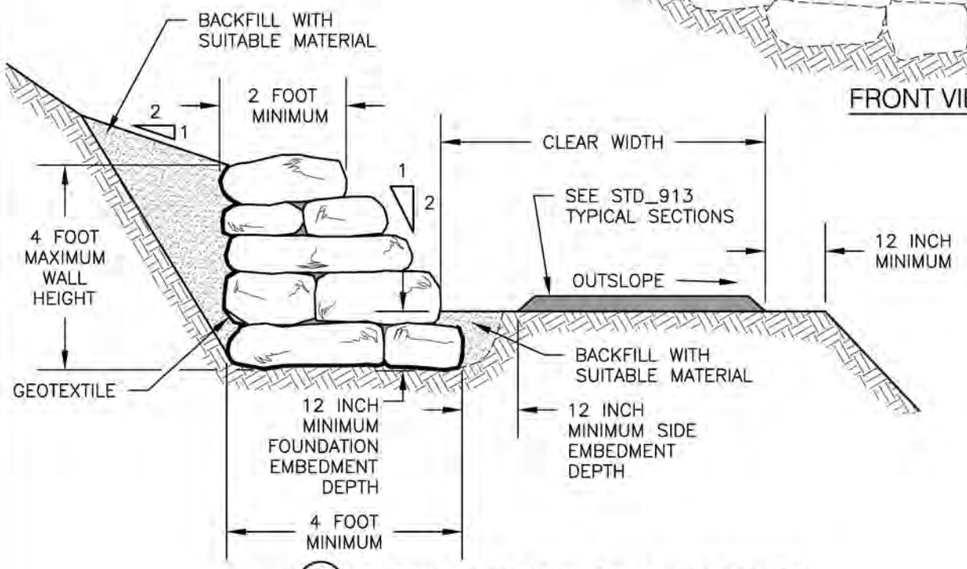
STACKED ROCK RETAINING WALL

TYPICAL ID	GEOTEXTILE TYPE	EMBEDMENT DEPTH FOUNDATION	EMBEDMENT DEPTH SIDE	HEIGHT	COMMENTS
RRW–1			2'	4'	

N/A WHEN NOT APPLICABLE



FRONT VIEW

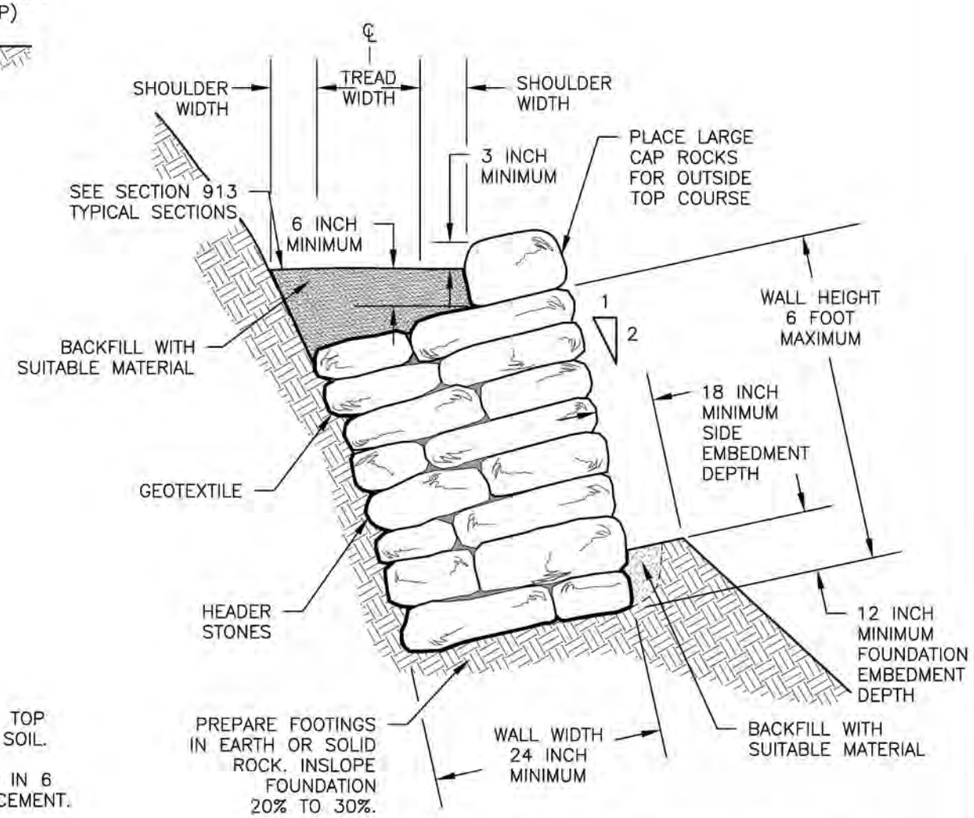


(A) UPHILL RETAINING WALL SECTION

SLOPE JOINTS INTO HILL.

NOTES:

1. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.
2. COMPACT BACKFILL AND FOUNDATION IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.
3. CLEAR WIDTH IS GREATER OR EQUAL TO THE TREAD AND SHOULDER WIDTHS DEFINED IN SECTION 911.



(B) UNDERTREAD RETAINING WALL SECTION

WALL WIDTH SHALL BE 2 FEET WIDE OR 1/2 THE WALL HEIGHT, WHICHEVER IS GREATER.

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME
STACKED ROCK RETAINING WALL

SECTION
935 - RETAINING WALLS

TYPICAL ID
RRW

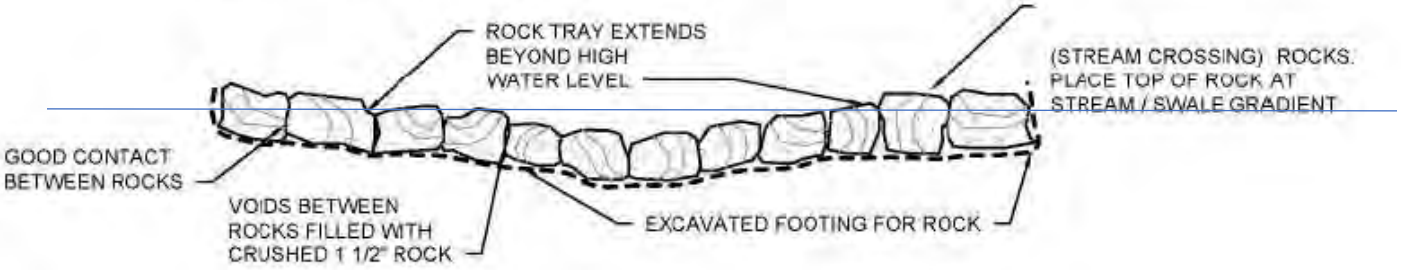
REVISION DATE
XX/XX/XX

NO SCALE

DRAWING NO.
STD_935-20-01

SHEET
OF

Hardened Crossing End View



Hardened Crossing Plan View