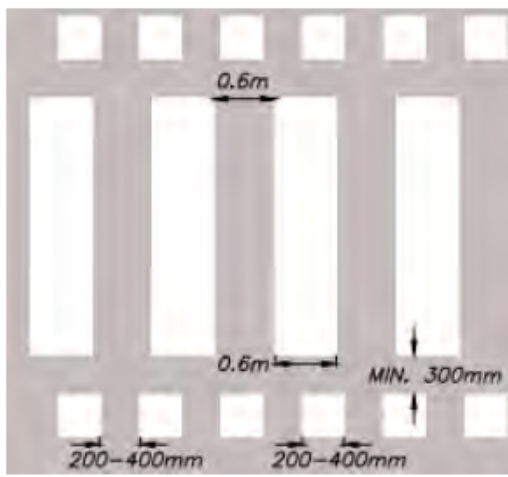

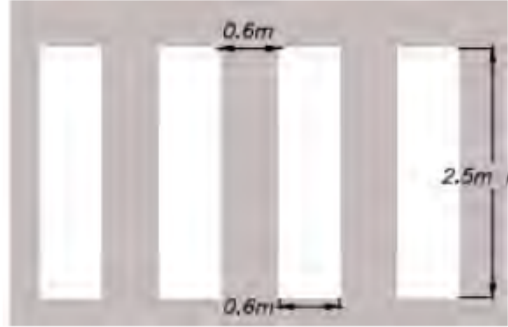
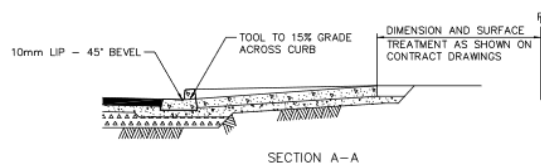
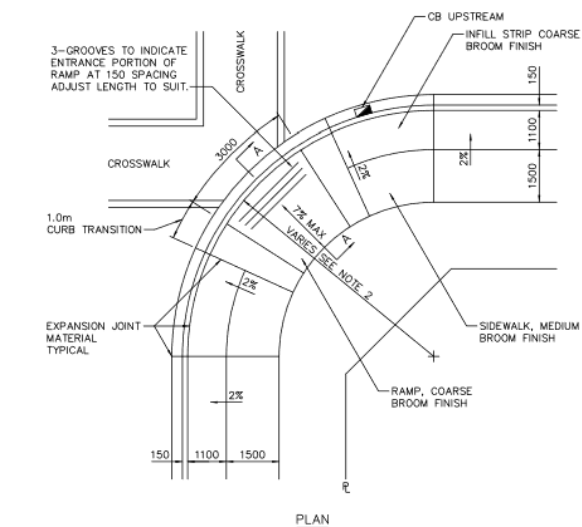


<p>Combined Cross-ride / Elephant's Feet at Zebra Multi-Use Crossing</p>	 <p>The diagram shows a cross-section of a multi-use crossing. It features a central green-paved area with white rectangular markings. The width of the central area is labeled as 0.6m. The width of the white markings on either side is also labeled as 0.6m. The total width of the crossing is labeled as 200-400mm. The height of the white markings is labeled as MIN. 300mm.</p>	<p>Used to define a combined crossing area for people cycling and walking at multi-use pathways that cross where a zebra crosswalk would be installed.</p> <p><b>Note: The use of enhanced green pavement markings should not be used at multi-use crossings (combined cross-rides and crosswalks). The use of green should only be used for dedicated cycling facilities (see below).</b></p>
<p>Twin Parallel Line Crosswalk</p>	 <p>The diagram shows a cross-section of a twin parallel line crosswalk. It features a central green-paved area with white rectangular markings. The width of the central area is labeled as 200-300mm. The width of the white markings on either side is also labeled as 200-300mm. The total width of the crossing is labeled as 2.5m MIN.</p>	<p>Used to define a crossing area for people walking at intersections with traffic control, such as traffic signals or stop control. Twin parallel line crosswalks can be combined with elephant's feet markings to indicate a shared-use crossing.</p>
<p>Zebra Crosswalk</p>	 <p>The diagram shows a cross-section of a zebra crosswalk. It features a central green-paved area with white rectangular markings. The width of the central area is labeled as 0.6m. The width of the white markings on either side is also labeled as 0.6m. The total width of the crossing is labeled as 2.5m MIN.</p>	<p>Used to define a crossing area for people walking at uncontrolled intersections where heightened visibility is desired and at all mid-block crossings. Zebra crosswalk markings offer greater conspicuity than twin parallel line crosswalk markings and shall be used at all school crosswalk locations. Zebra crosswalk markings may be considered at locations with large numbers or percentages of older pedestrians or locations with high activity of pedestrians with mobility or visual impairments.</p>

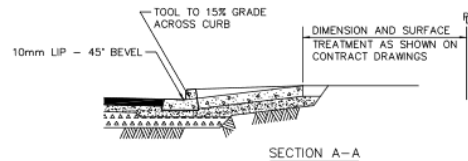
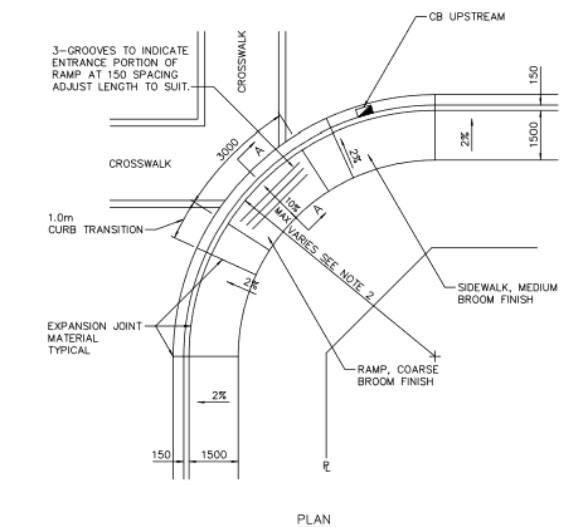


NOTE: 1. REFER TO DRAWING C2 FOR BASE AND SUBBASE REQUIREMENTS.  
2. REFER TO CONTRACT DRAWINGS, SECTION 03 30 20 FOR DETAILED SPECIFICATIONS.  
NOT TO SCALE

WHEELCHAIR RAMP FOR  
SIDEWALK, INFILL AND BARRIER CURB

DRAWING NUMBER:

**C8**



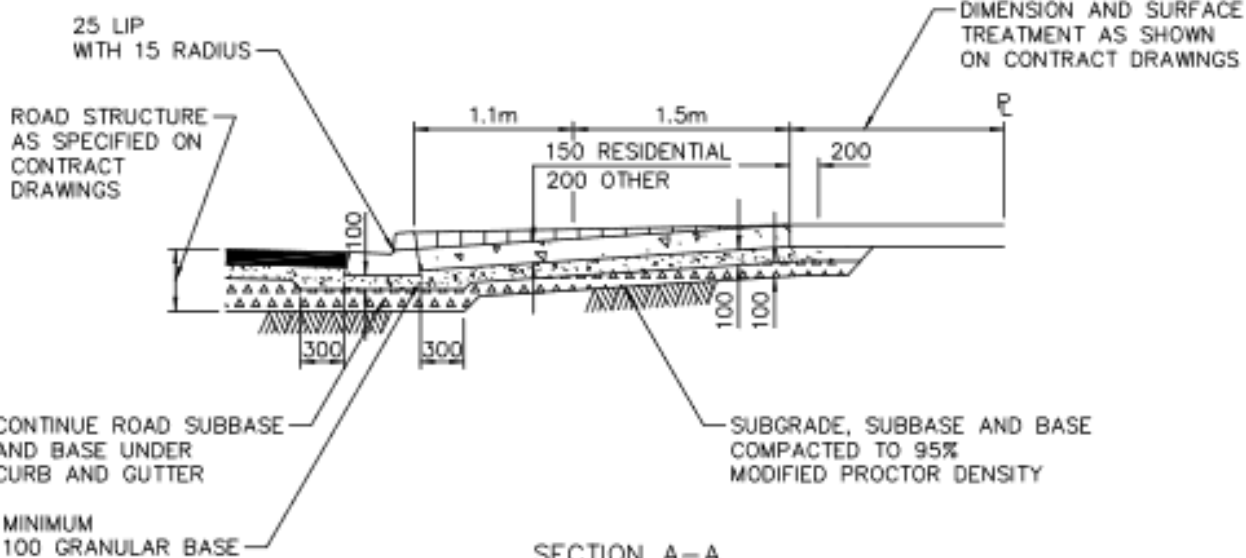
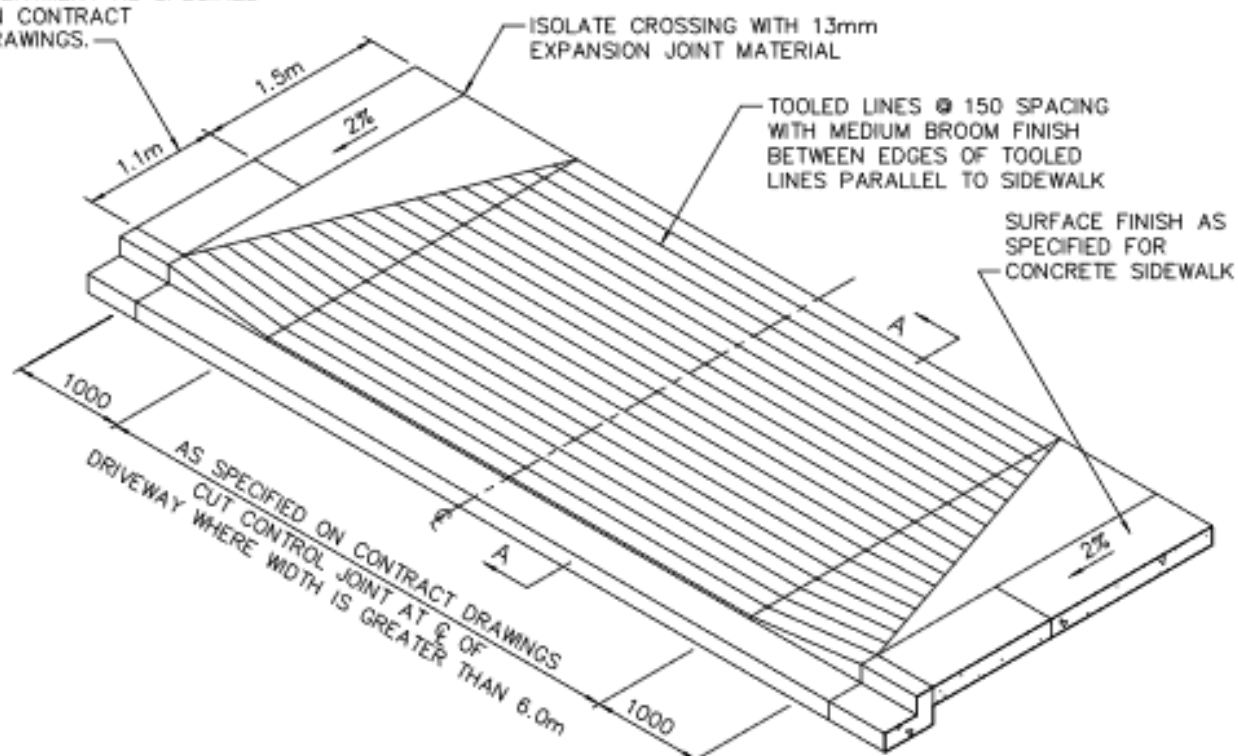
NOTE: 1. REFER TO DRAWING C2 FOR BASE AND SUBBASE REQUIREMENTS.  
2. REFER TO CONTRACT DRAWINGS, SECTION 03 30 20 FOR DETAILED SPECIFICATIONS.  
NOT TO SCALE

WHEELCHAIR RAMP FOR  
SIDEWALK AND BARRIER CURBS

DRAWING NUMBER:

**C9**

WIDTH AND INFILL  
TREATMENT AS SPECIFIED  
ON CONTRACT  
DRAWINGS.



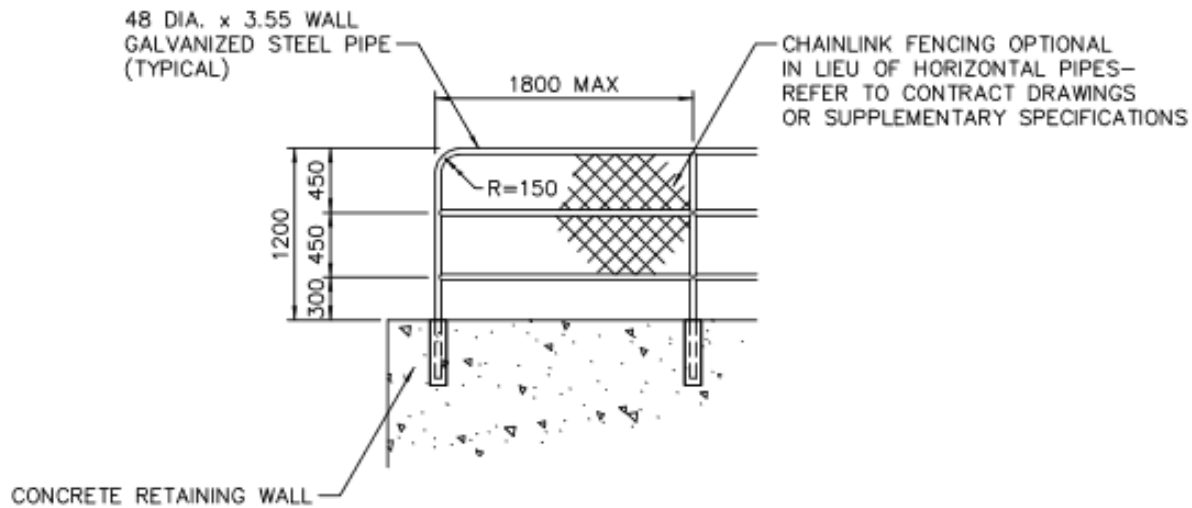
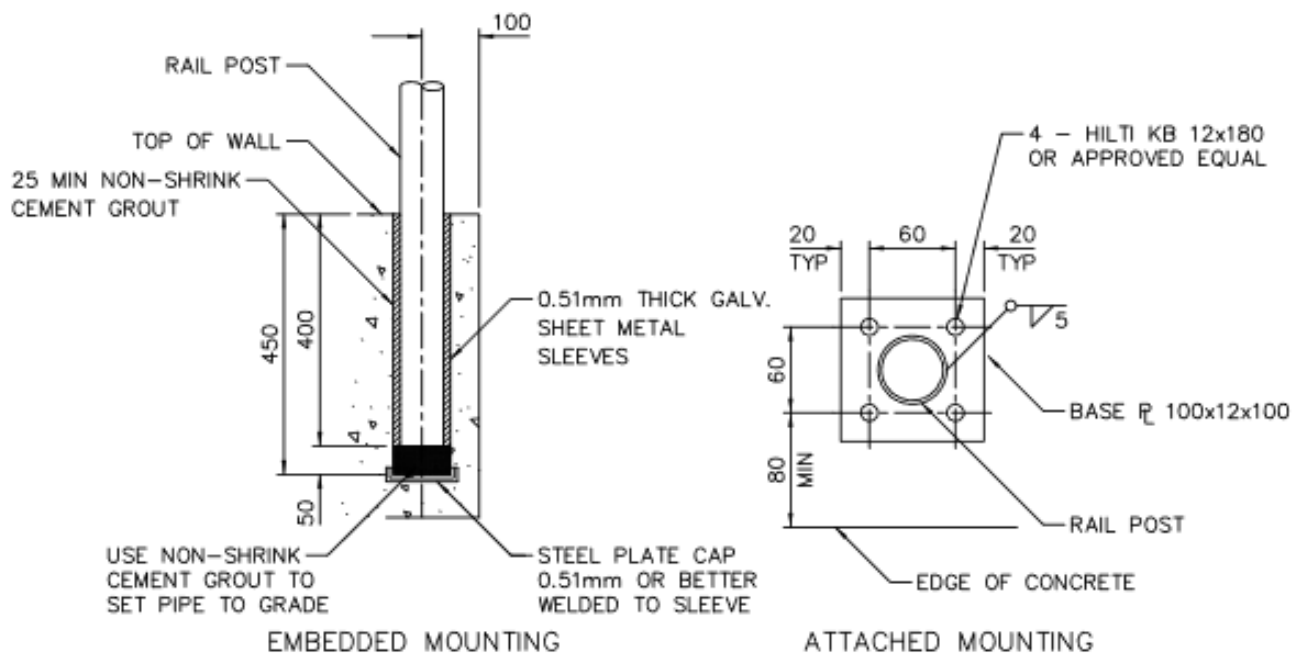
- NOTE: 1. DRIVEWAYS ORIENTATED AT 90° TO CURB, UNLESS SPECIFIED OTHERWISE ON CONTRACT DRAWINGS.  
2. REFER TO CONTRACT DRAWINGS, SECTION 03 30 20 FOR DETAILED SPECIFICATIONS.

NOT TO SCALE

DRIVEWAY CROSSING FOR BARRIER CURBS

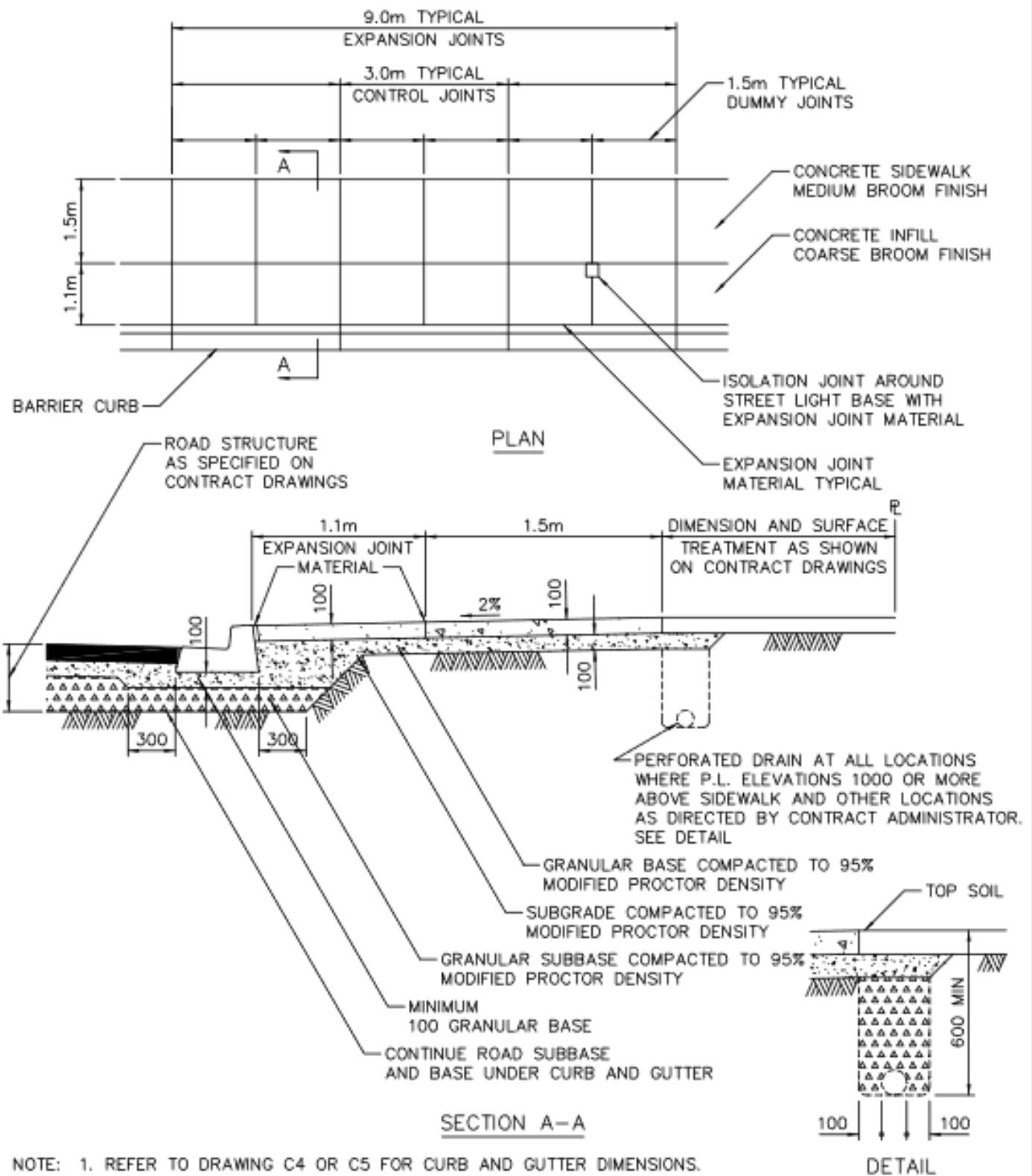
DRAWING NUMBER:

**C7**

GENERAL ARRANGEMENTCONNECTION DETAILS

- NOTE: 1. ALL JOINTS MITRED, WELDED ALL AROUND AND SMOOTHED.  
 2. ALL COMPONENTS TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.  
 3. REFER TO CONTRACT DRAWINGS, SECTION 32 31 13 FOR DETAILED SPECIFICATIONS.

NOT TO SCALE



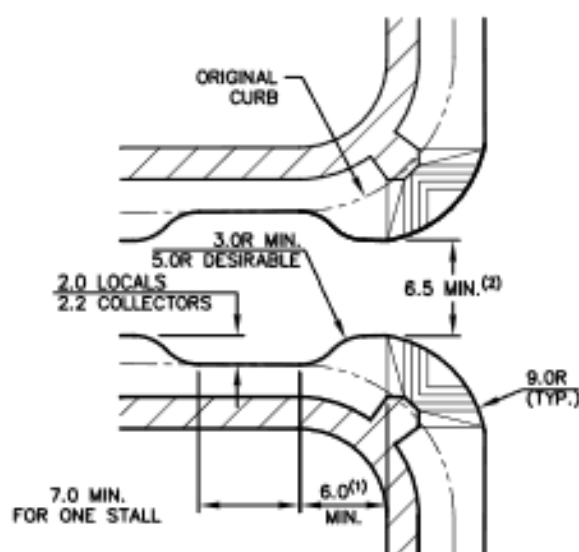
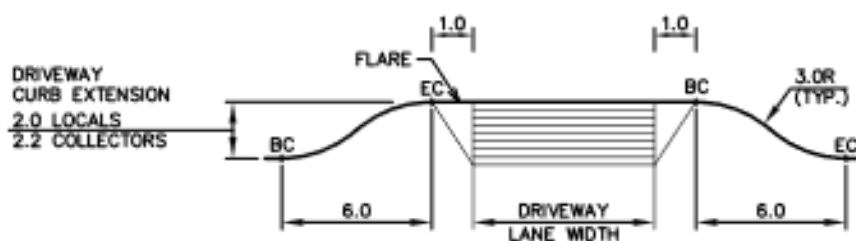
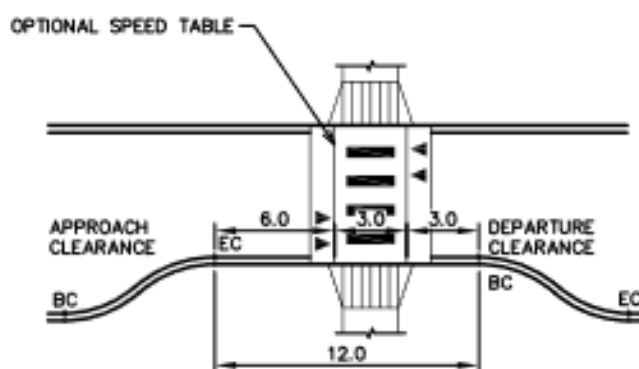
- NOTE: 1. REFER TO DRAWING C4 OR C5 FOR CURB AND GUTTER DIMENSIONS.  
2. REFER TO CONTRACT DRAWINGS, SECTION 03 30 20 FOR DETAILED SPECIFICATIONS.

NOT TO SCALE

CONCRETE SIDEWALK, INFILL AND BARRIER CURB

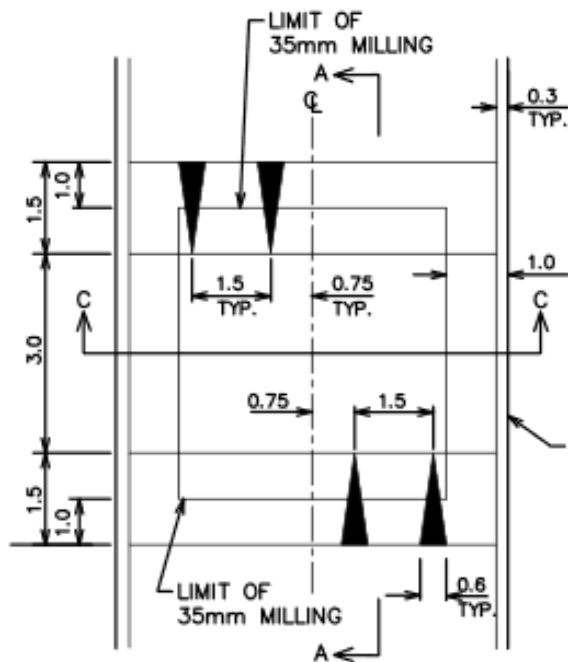
DRAWING NUMBER:

**C1**

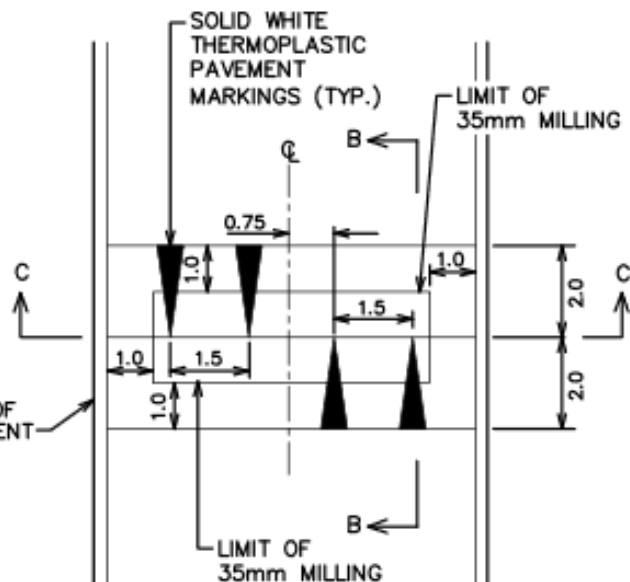
**INTERSECTION CURB EXTENSION****DRIVEWAY/LANE****MIDBLOCK CROSSING****NOTES**

1. VARY TO MEET STOPPING SIGHT DISTANCE.
2. HYDRANTS SHOULD GENERALLY BE LOCATED WITHIN CURB EXTENSIONS.
3. CURB EXTENSIONS MAY REQUIRE LENGTHENING TO RESTRICT PARKING WITHIN 5m OF HYDRANT.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

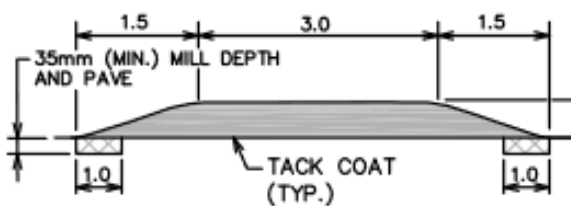
NOT TO SCALE



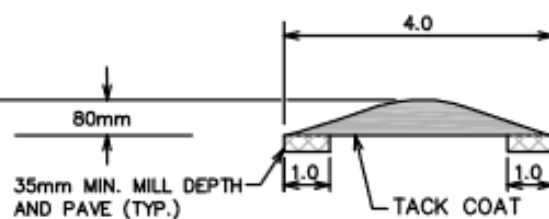
**SPEED TABLE (1)**



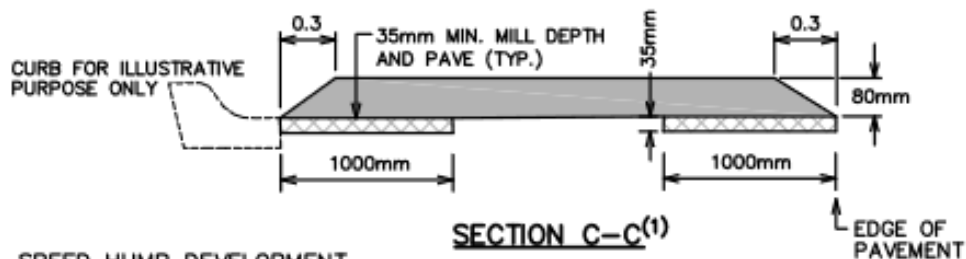
**SPEED HUMP (2)**



**SPEED TABLE  
SECTION A-A**



**SPEED HUMP  
SECTION B-B**



**SECTION C-C(1)**

SINUSOIDAL SPEED HUMP DEVELOPMENT

DISTANCE(m)	0.000	0.125	0.250	0.375	0.500	0.625	0.750	0.875	1.000	1.125	1.250	1.375	1.500	1.625	1.750	1.875	2.000
FINISHED HEIGHT(mm)	0	1	3	7	12	18	25	32	40	48	55	62	68	73	77	79	80

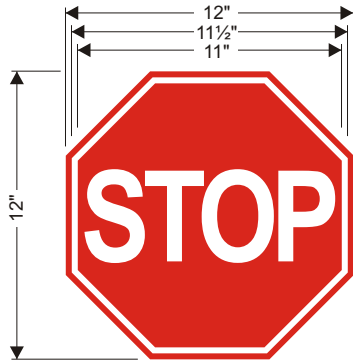
- NOTES:**
1. USE SSD-R.28.1 SECTION A-A, FOR USE OF SPEED TABLE AS RAISED CROSSWALK.
  2. SINGLE ARROW PER DIRECTION ONLY FOR SPEED HUMPS IN LANES.
  3. SPEED HUMP TABLE TO BE SURVEYED, TO ENSURE DEVELOPMENT.
  4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE NOTED

NOT TO SCALE

TRAFFIC CALMING,  
SPEED HUMP AND TABLE

DRAWING NUMBER:

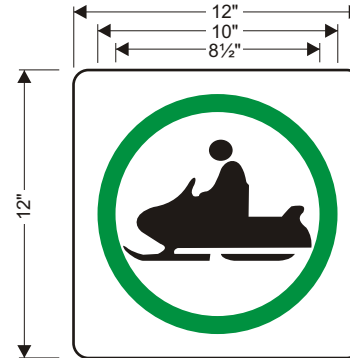
**R5**



### STOP

Instruct riders to bring their vehicle to a complete stop before proceeding with caution.

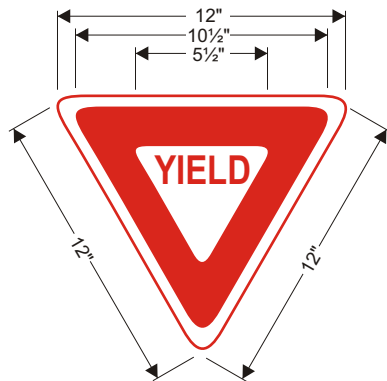
12 in. x 12 in. octagon.  
Red background with white lettering.  
Arial Narrow Bold 380 point character spacing minus 25



### SNOWMOBILING ALLOWED

Identifies areas where snowmobiling is allowed.

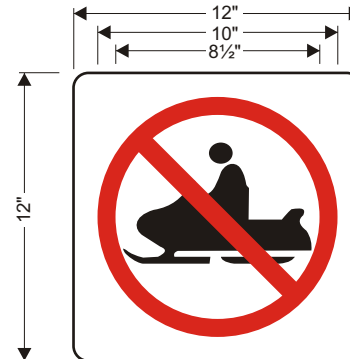
12 in. x 12 in. square.  
White background, black graphic with green circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### YIELD

Instructs riders to yield the right of way to vehicles traveling on the other trail.

12 in. x 12 in. triangle. Red and white background with red lettering.  
Arial Narrow Bold 120 point character spacing 0%



### NO SNOWMOBILING

Identifies areas where snowmobiling is not allowed.

12 in. x 12 in. square.  
White background, black graphic with red circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.



### STAY ON TRAIL

Reminds riders of the importance of staying on the designated trail.


12 in. x 12 in. square.  
White background with black lettering.  
Arial Narrow Bold 380 point character spacing 0%  
line spacing 95% character height

### SIGN COLOURS - Reflective paints

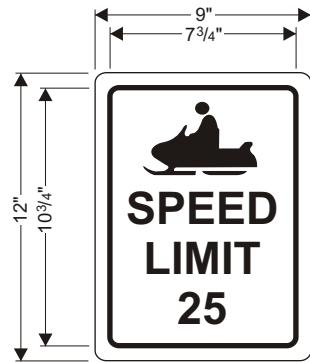
**BLACK** - C0, M0, Y0, K100  
**WHITE** - C0, M0, Y0, K0  
**RED** - C0, M100, Y100, K0

**GREEN** - C100, M0, Y100, K0  
**YELLOW** - C0, M13, Y100, K0  
**ORANGE** - C0, M50, Y100, K0

For additional information on use or placement please refer to Standards for Snowmobile Trail Signing & Placement in British Columbia

Standard TRAIL SIGNS - REGULATORY - pg. 1 of 8			
File No:	Draft Date: 10/08		
Approved By: <i>W. Marshall</i>	Revision No:	Date: 11/08	
Date:	Revision No:	Date:	
 Ministry of Tourism, Sport and the Arts		Drawing Scale: 1 1/2" x 1" Sheet Size: 8.5" X 11" Drawing No: RST 481-TS-R	

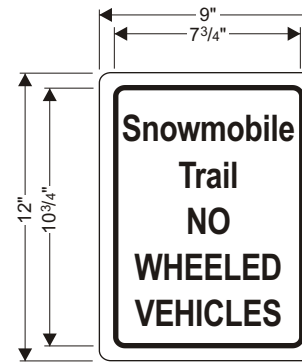




### SPEED LIMIT

Reminds riders not to exceed the speed limit indicated.

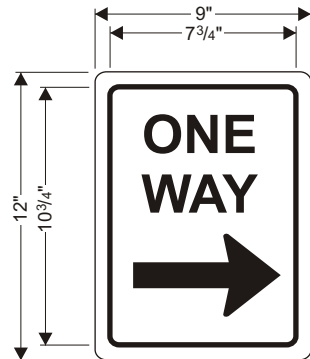
9 in. x 12 in. rectangle.  
White background, black lettering.  
Arial Bold 135 point  
character spacing 0%  
line spacing 100% character height.



### SNOWMOBILE TRAIL NO WHEELED VEHICLE

Informs drivers of wheeled vehicles that they are not permitted on this trail.

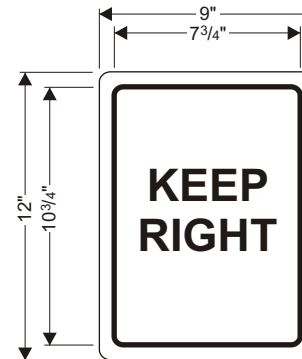
9 in. x 12 in. rectangle.  
White background, black lettering.  
Arial Narrow Bold 110 point  
character spacing minus 5%  
line spacing 110% character height.



### ONE WAY

Identifies sections on the trail where snowmobiles may travel in one direction only.

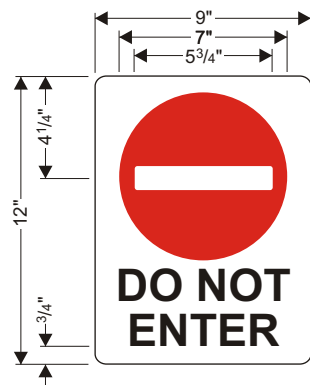
9 in. x 12 in. rectangle.  
Black arrow on white background with black lettering.  
Arial Bold 160 point  
character spacing 0%  
line spacing 100% character height.



### OTHER REGULATORY SIGNS

Other regulatory signs may be needed as necessary.

9 in. x 12 in. rectangle.  
White background, black lettering.  
Arial Bold 135 point  
character spacing 0%  
line spacing 100% character height.



### DO NOT ENTER

Instructs riders not to enter a particular road or trail. Typically used in conjunction with one way trails.


9 in. x 12 in. rectangle. White background, red circle with black lettering.  
Arial Bold 135 point  
character spacing 0%  
line spacing 90% character height.

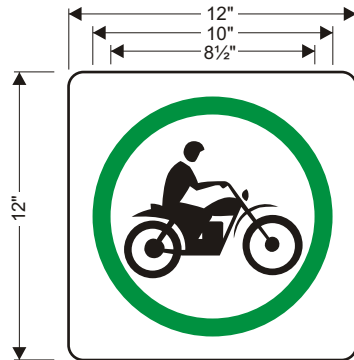
### SIGN COLOURS - Reflective paints

**BLACK** - C0, M0, Y0, K100  
**WHITE** - C0, M0, Y0, K0  
**RED** - C0, M100, Y100, K0

**GREEN** - C100, M0, Y100, K0  
**YELLOW** - C0, M13, Y100, K0  
**ORANGE** - C0, M50, Y100, K0

For additional information on use or placement please refer to Standards for Snowmobile Trail Signing & Placement in British Columbia

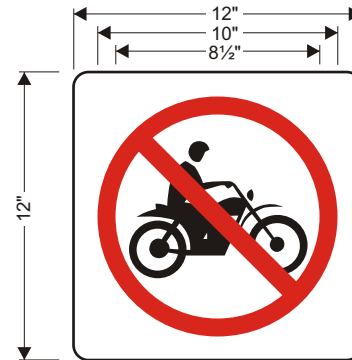
Standard TRAIL SIGNS - REGULATORY - pg. 2 of 8			
File No:	Draft Date: 10/08		
Approved By:	Revision No:	Date: 11/08	
Date:	Revision No:	Date:	
 Ministry of Tourism, Sport and the Arts		Drawing Scale: 1 1/2" x 1" Sheet Size: 8.5" X 11" Drawing No: RST 481-TS-R	



### MOTORCYCLES ALLOWED

Identifies areas where motorcycles and trials bikes are allowed.

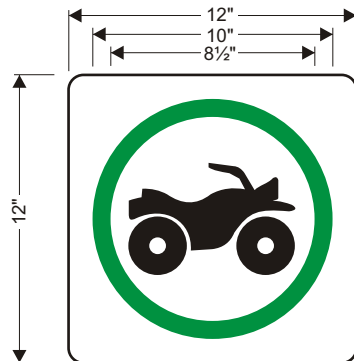
12 in. x 12 in. square.  
White background, black graphic  
with green circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### NO MOTORCYCLES

Identifies areas where motorcycles and trials bikes are not allowed.

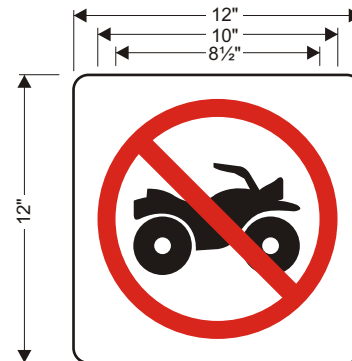
12 in. x 12 in. square.  
White background, black graphic  
with red circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.



### ALL TERRAIN VEHICLES ALLOWED

Identifies areas where all terrain vehicles (ATVs) are allowed.

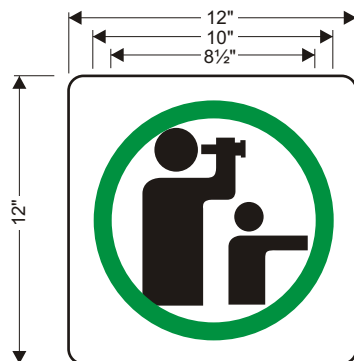
12 in. x 12 in. square.  
White background, black graphic  
with green circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### NO ALL TERRAIN VEHICLES

Identifies areas where all terrain vehicles (ATVs) are not allowed.

12 in. x 12 in. square.  
White background, black graphic  
with red circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.



### VIEW POINT

Identifies areas where a view point is available.

12 in. x 12 in. square.  
White background, black graphic  
with green circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle.

### SIGN COLOURS - Reflective paints

**BLACK** - C0, M0, Y0, K100

**WHITE** - C0, M0, Y0, K0


**RED** - C0, M100, Y100, K0

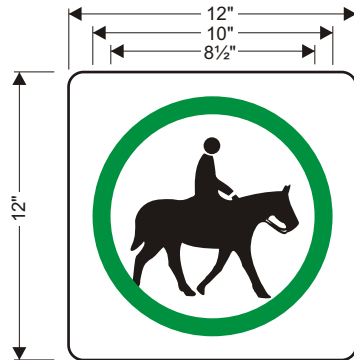
**GREEN** - C100, M0, Y100, K0

**YELLOW** - C0, M13, Y100, K0

**ORANGE** - C0, M50, Y100, K0

For additional  
information on  
use or placement  
please refer to  
Standards for  
Snowmobile Trail  
Signing & Placement  
in British Columbia

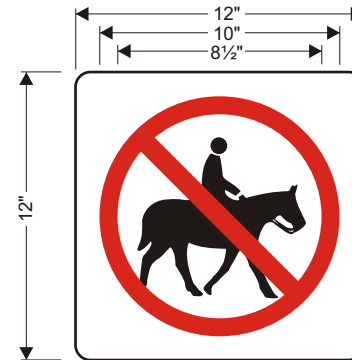
Standard TRAIL SIGNS - REGULATORY - pg. 3 of 8			
File No:	Draft Date: 10/08		
Approved By:	Revision No:	Date: 11/08	
Date:	Revision No:	Date:	
 Ministry of Tourism, Sport and the Arts		Drawing Scale: 1 1/2" x 1" Sheet Size: 8.5" X 11" Drawing No: RST 481-TS-R	



### **HORSEBACK RIDING ALLOWED**

Identifies areas where horseback riding is allowed.

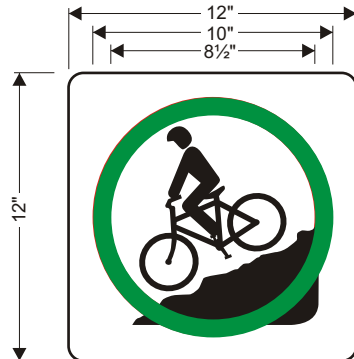
12 in. x 12 in. square.  
White background, black graphic with green circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### **NO HORSEBACK RIDING**

Identifies areas where horseback riding is not allowed.

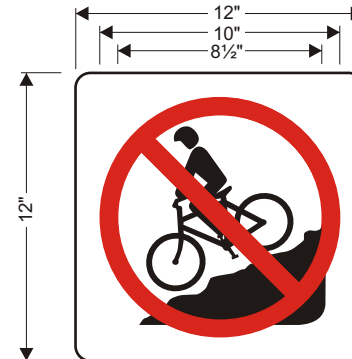
12 in. x 12 in. square.  
White background, black graphic with red circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.



### **MOUNTAIN BIKING ALLOWED**

Identifies areas where mountain biking is allowed.

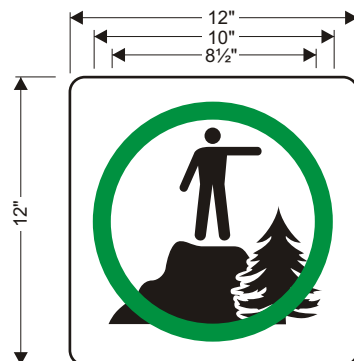
12 in. x 12 in. square.  
White background, black graphic with green circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### **NO MOUNTAIN BIKING**

Identifies areas where mountain biking is not allowed.

12 in. x 12 in. square.  
White background, black graphic with red circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.



### **POINT OF INTEREST**

Identifies areas where a point of interest is available.


12 in. x 12 in. square.  
White background, black graphic with green circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle.

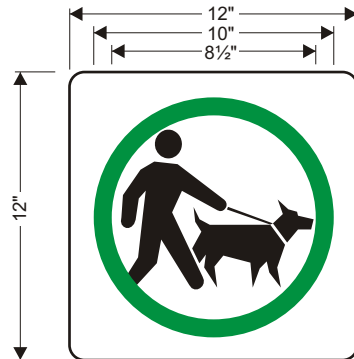
### **SIGN COLOURS - Reflective paints**

**BLACK** - C0, M0, Y0, K100  
**WHITE** - C0, M0, Y0, K0  
**RED** - C0, M100, Y100, K0

**GREEN** - C100, M0, Y100, K0  
**YELLOW** - C0, M13, Y100, K0  
**ORANGE** - C0, M50, Y100, K0

For additional information on use or placement please refer to Standards for Snowmobile Trail Signing & Placement in British Columbia

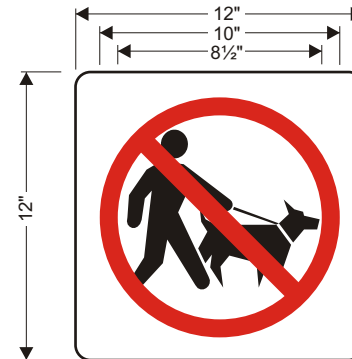
<b>Standard TRAIL SIGNS - REGULATORY - pg. 4 of 8</b>			
File No:		Draft Date: 10/08	
Approved By: <i>W. Marshall</i>		Revision No:	Date: 11/08
Date:		Revision No:	Date:
 <b>Ministry of Tourism, Sport and the Arts</b>		Drawing Scale:	1 1/2" x 1" Sheet Size: 8.5" X 11"
		Drawing No:	RST 481-TS-R



### DOGS ALLOWED

Identifies areas where dogs are allowed.

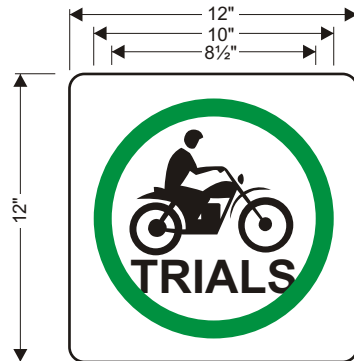
12 in. x 12 in. square.  
White background, black graphic with green circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### NO DOGS ALLOWED

Identifies areas where dogs are not allowed.

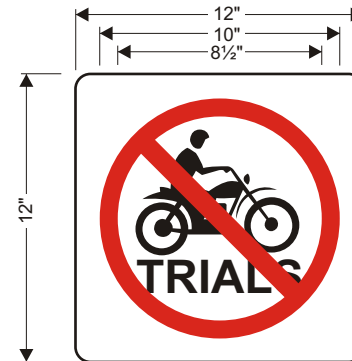
12 in. x 12 in. square.  
White background, black graphic with red circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.



### TRIALS MOTORCYCLES ALLOWED

Identifies areas where trials motorcycles are allowed.

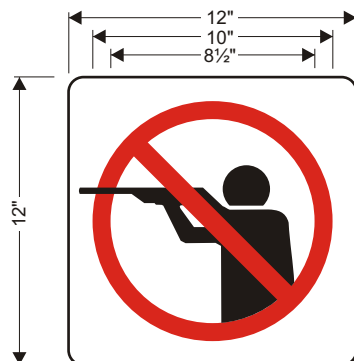
12 in. x 12 in. square.  
White background, black graphic with green circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle.  
black lettering Arial Bold 35 point character spacing 0%



### NO TRIALS MOTORCYCLES

Identifies areas where trials motorcycles are not allowed.

12 in. x 12 in. square.  
White background, black graphic with red circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.  
black lettering Arial Bold 35 point character spacing 0%



### NO HUNTING - NO SHOOTING

Identifies areas where hunting or shooting is not allowed.


12 in. x 12 in. square.  
White background, black graphic with red circle 10 in. outside radius and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.

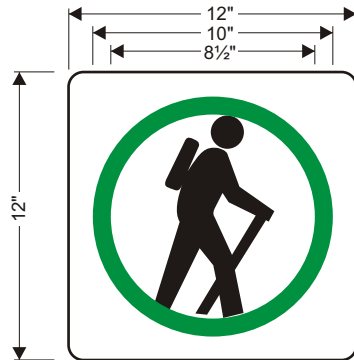
### SIGN COLOURS - Reflective paints

**BLACK** - C0, M0, Y0, K100  
**WHITE** - C0, M0, Y0, K0  
**RED** - C0, M100, Y100, K0

**GREEN** - C100, M0, Y100, K0  
**YELLOW** - C0, M13, Y100, K0  
**ORANGE** - C0, M50, Y100, K0

For additional information on use or placement please refer to Standards for Snowmobile Trail Signing & Placement in British Columbia

Standard TRAIL SIGNS - REGULATORY - pg. 5 of 8			
File No:	Draft Date: 10/08		
Approved By:	Revision No:	Date: 11/08	
Date:	Revision No:	Date:	
 Ministry of Tourism, Sport and the Arts		Drawing Scale: 1 1/2" x 1" Sheet Size: 8.5" X 11" Drawing No: RST 481-TS-R	



### HIKING/BACKPACKING ALLOWED

Identifies areas where hiking and backpacking are allowed.

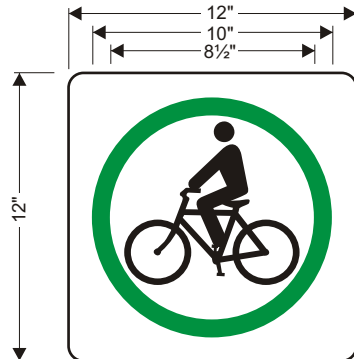
12 in. x 12 in. square.  
White background, black graphic  
with green circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### NO HIKING/BACKPACKING

Identifies areas where hiking and backpacking are not allowed.

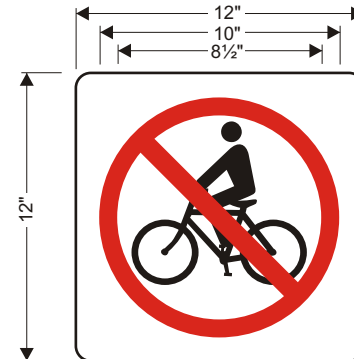
12 in. x 12 in. square.  
White background, black graphic  
with red circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.



### BICYCLES ALLOWED

Identifies areas where bicycles are allowed.

12 in. x 12 in. square.  
White background, black graphic  
with green circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### NO BICYCLES

Identifies areas where bicycles are not allowed.

12 in. x 12 in. square.  
White background, black graphic  
with red circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.

### SIGN COLOURS - Reflective paints

**BLACK** - C0, M0, Y0, K100

**WHITE** - C0, M0, Y0, K0


**RED** - C0, M100, Y100, K0

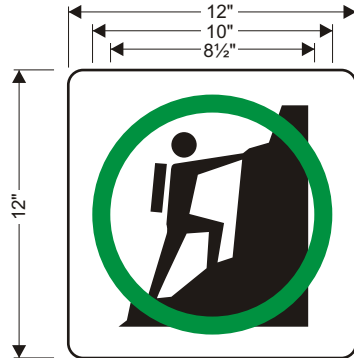
**GREEN** - C100, M0, Y100, K0

**YELLOW** - C0, M13, Y100, K0

**ORANGE** - C0, M50, Y100, K0

For additional  
information on  
use or placement  
please refer to  
Standards for  
Snowmobile Trail  
Signing & Placement  
in British Columbia

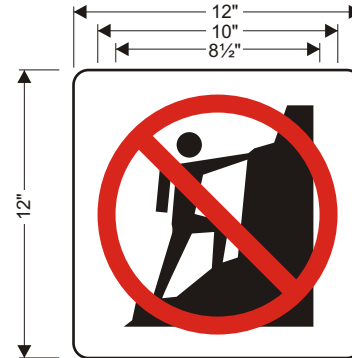
Standard TRAIL SIGNS - REGULATORY - pg. 6 of 8			
File No:		Draft Date: 10/08	
Approved By: <i>W. Marshall</i>		Revision No:	Date: 11/08
Date:		Revision No:	Date:
 Ministry of Tourism, Sport and the Arts		Drawing Scale:	1 1/2" x 1" Sheet Size: 8.5" X 11"
		Drawing No:	RST 481-TS-R



### ROCK CLIMBING ALLOWED

Identifies areas where rock climbing is allowed.

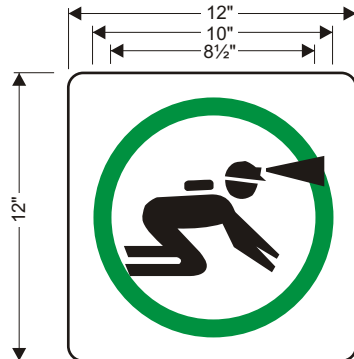
12 in. x 12 in. square.  
White background, black graphic with green circle 10 in. outside radius and 8½ in. inside radius.  
¾ in. wide circle.



### NO ROCK CLIMBING

Identifies areas where rock climbing is not allowed.

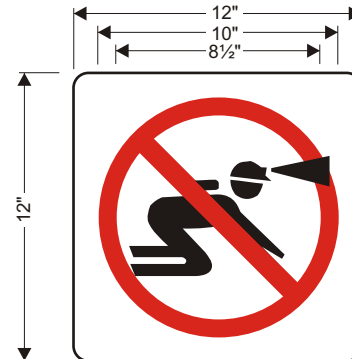
12 in. x 12 in. square.  
White background, black graphic with red circle 10 in. outside radius and 8½ in. inside radius.  
¾ in. wide circle and 45° slash.



### SPELUNKING ALLOWED

Identifies areas where spelunking or caving is allowed.

12 in. x 12 in. square.  
White background, black graphic with green circle 10 in. outside radius and 8½ in. inside radius.  
¾ in. wide circle.



### NO SPELUNKING

Identifies areas where spelunking or caving is not allowed.

12 in. x 12 in. square.  
White background, black graphic with red circle 10 in. outside radius and 8½ in. inside radius.  
¾ in. wide circle and 45° slash.

### SIGN COLOURS - Reflective paints

**BLACK - C0, M0, Y0, K100**

**WHITE - C0, M0, Y0, K0**


**RED - C0, M100, Y100, K0**

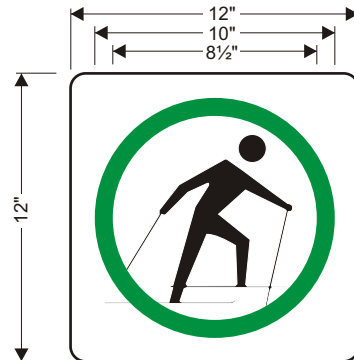
**GREEN - C100, M0, Y100, K0**

**YELLOW - C0, M13, Y100, K0**

**ORANGE - C0, M50, Y100, K0**

For additional information on use or placement please refer to Standards for Snowmobile Trail Signing & Placement in British Columbia

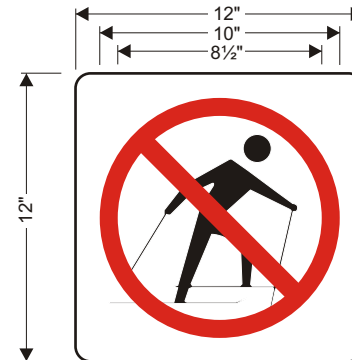
Standard TRAIL SIGNS - REGULATORY - pg. 7 of 8			
File No:	Draft Date: 10/08		
Approved By:	Revision No:	Date: 11/08	
Date:	Revision No:	Date:	
 Ministry of Tourism, Sport and the Arts		Drawing Scale: 1½" x 1" Sheet Size: 8.5" X 11"	
		Drawing No: RST 481-TS-R	



### **X-COUNTRY SKIING ALLOWED**

Identifies areas where x-country skiing is allowed.

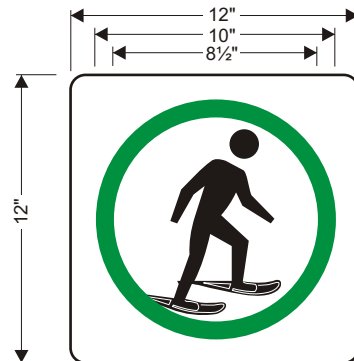
12 in. x 12 in. square.  
White background, black graphic  
with green circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### **NO X-COUNTRY SKIING**

Identifies areas where x-country skiing is not allowed.

12 in. x 12 in. square.  
White background, black graphic  
with red circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.



### **SNOWSHOES ALLOWED**

Identifies areas where snowshoes are allowed.

12 in. x 12 in. square.  
White background, black graphic  
with green circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle.



### **NO SNOWSHOES**

Identifies areas where snowshoes are not allowed.

12 in. x 12 in. square.  
White background, black graphic  
with red circle 10 in. outside radius  
and 8 1/2 in. inside radius.  
3/4 in. wide circle and 45° slash.

### **SIGN COLOURS - Reflective paints**

**BLACK - C0, M0, Y0, K100**

**WHITE - C0, M0, Y0, K0**


**RED - C0, M100, Y100, K0**

**GREEN - C100, M0, Y100, K0**

**YELLOW - C0, M13, Y100, K0**

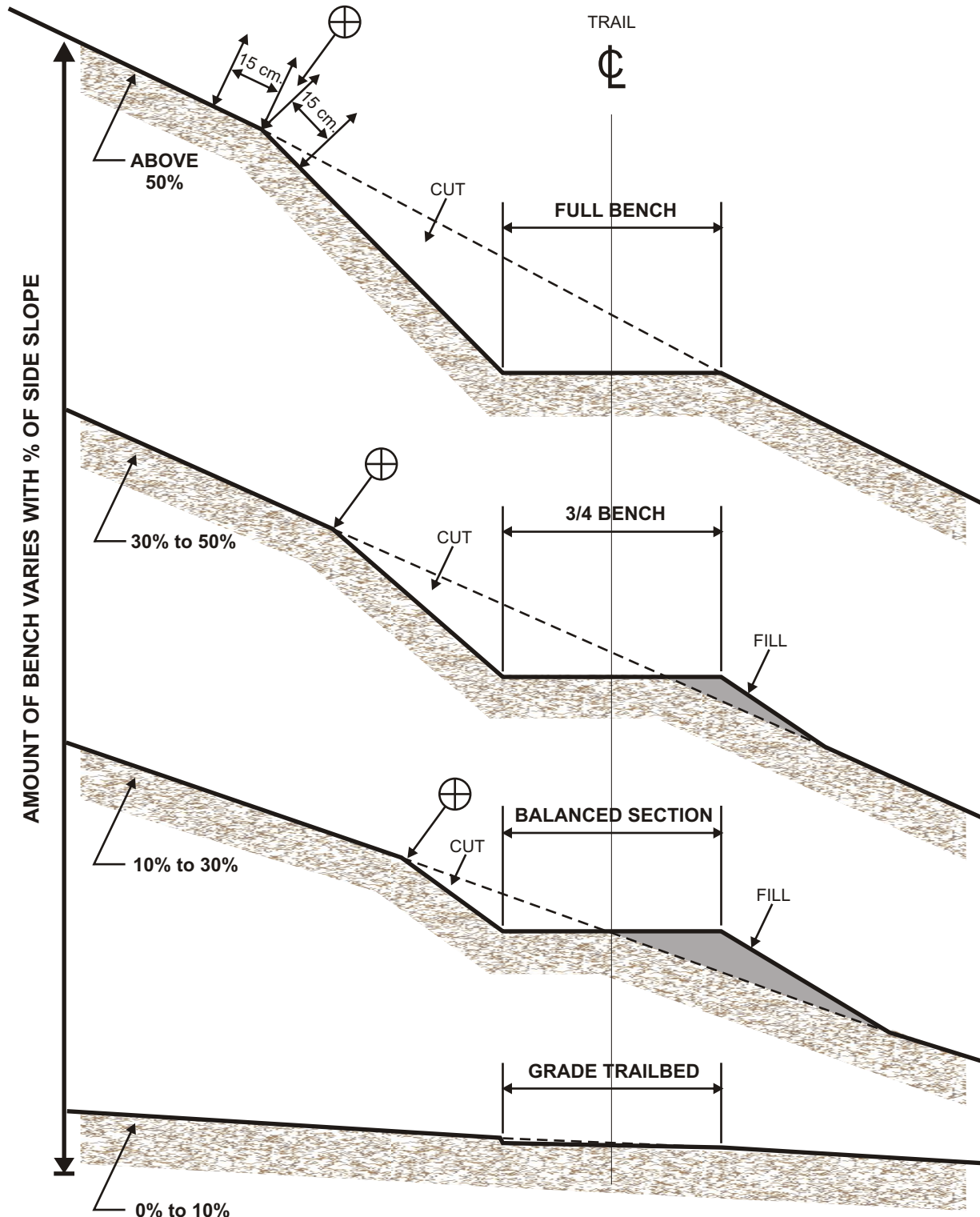
**ORANGE - C0, M50, Y100, K0**

For additional  
information on  
use or placement  
please refer to  
Standards for  
Snowmobile Trail  
Signing & Placement  
in British Columbia

<b>Standard TRAIL SIGNS - REGULATORY - pg. 8 of 8</b>			
File No:		Draft Date: 10/08	
Approved By: <i>W. Marshall</i>		Revision No:	Date: 11/08
Date:		Revision No:	Date:
 <b>Ministry of Tourism, Sport and the Arts</b>		Drawing Scale:	1 1/2" x 1" Sheet Size: 8.5" X 11"
		Drawing No:	RST 481-TS-R



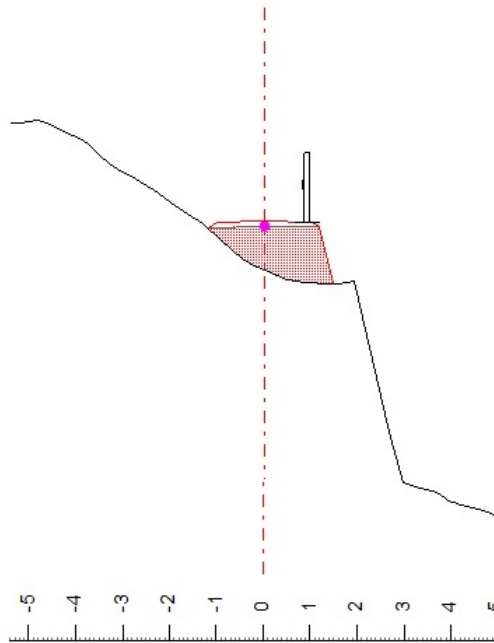
# TRAIL TYPICAL CROSS SECTIONS



Standard TRAIL TYPICAL CROSS SECTIONS			
File No:	Draft Date: 10/07		
Approved By:	Revision No: Date: 01/08		
Date:		Revision No:	Date:
Drawing Scale: 1 : 30		Sheet Size: 8.5" X 11"	
Drawing No: RST 481-TX-1			

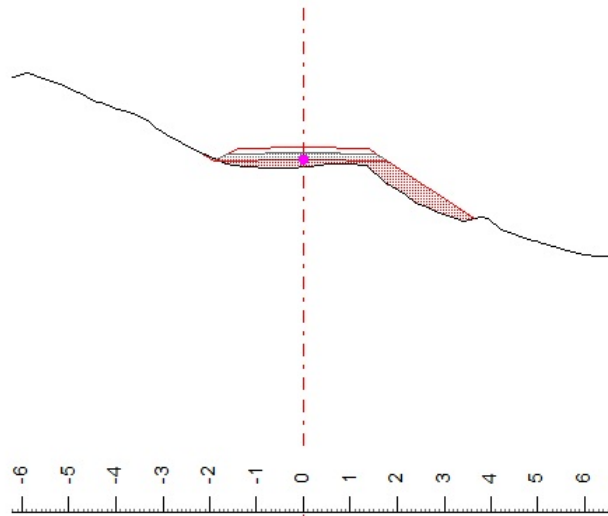


Trail design templates for  
Multi Use Pathways, aggregate surface  
(MUP2)



MUPN template

Lok Block fill slope  
Lok Block cut slope  
Guard railing



MUP template

typical  
1:1 cut slope  
1.5:1 fill slope

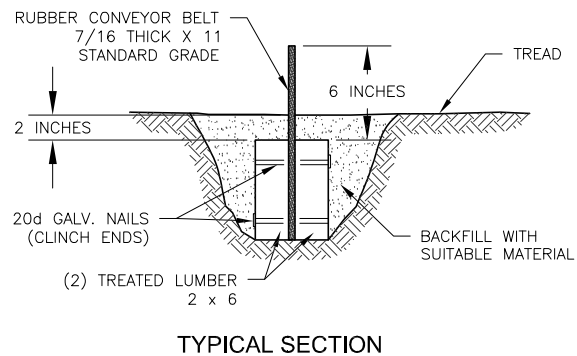
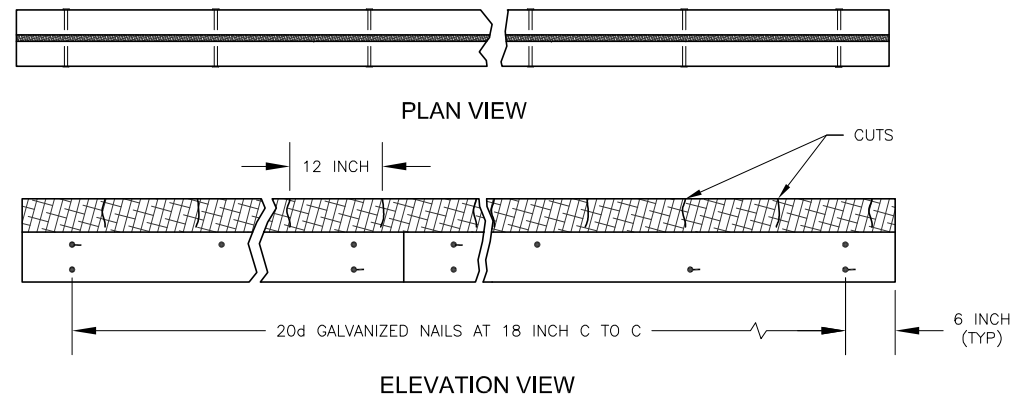
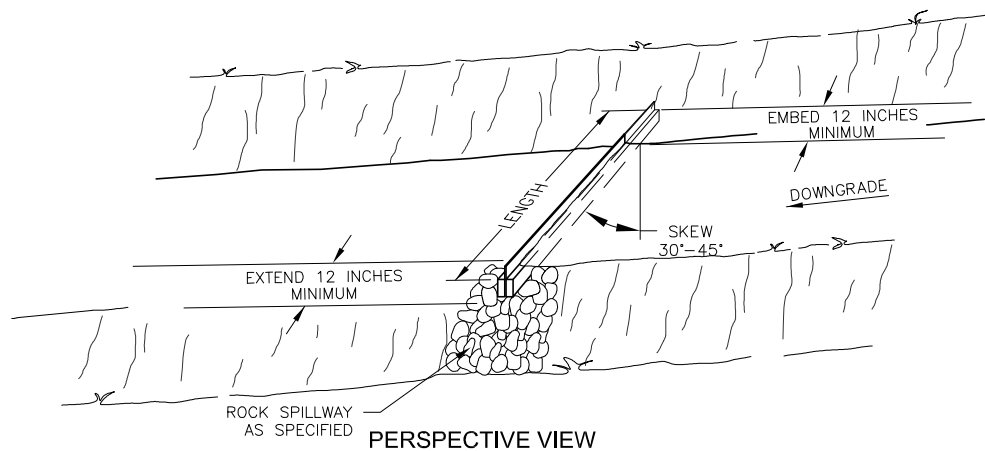
## SKEW

TRAIL GRADE	SKEW ANGLE
<5%	45° MAX
>5%	30° MIN

## BELTED WATERBAR PLACEMENT

TYPICAL ID	SPECIES	PRESERV. TYPE	ROCK*** SPILLWAY	SKEW	COMMENTS
BWB-1		P			

N/A WHEN NOT APPLICABLE  
\*\*\*FOR ROCK SPILLWAY SEE SHEET STD\_923-10-01



## NOTES:

1. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.

NOTE: ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS  
(NOTE IMPERIAL NOT METRIC UNITS)

STANDARD TRAIL PLAN

PROJECT NAME &amp; LOCATION

DRAWING NAME

BELTED WATERBAR

SECTION

922 - WATERBARS

TYPICAL ID

BWB

REVISION DATE

XX/XX/XX

NO SCALE

DRAWING NO.

STD\_922-30-01

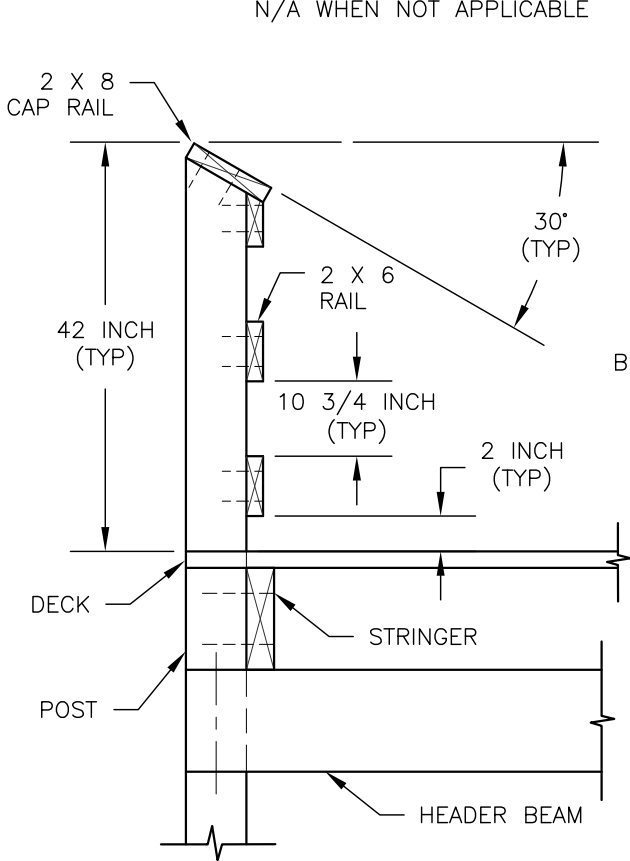
SHEET

OF

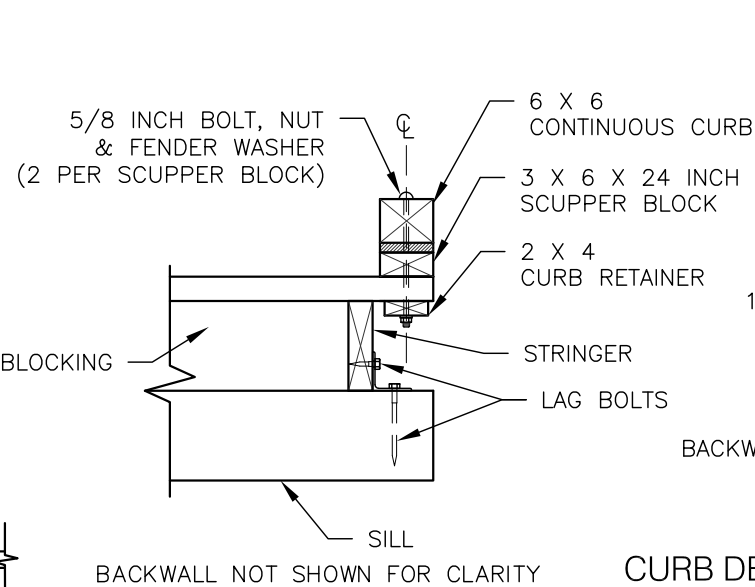
STANDARD BOARDWALK

TYPICAL ID	SECTION TYPE	OVERALL WIDTH	SURFACE WIDTH	FOOTING MATERIAL			POST/SILLS/BACKWALLS				HEADER BEAM/STRINGERS/DECK/CURB/RAILING SYSTEM			COMMENTS
				TYPE	DEPTH	WIDTH	POST HEIGHT	POST EMBEDMENT DEPTH	SPECIES	PRESERV. TYPE	DECK SIZE	SPECIES	PRESERV. TYPE	
SB1-1				F						P			P	

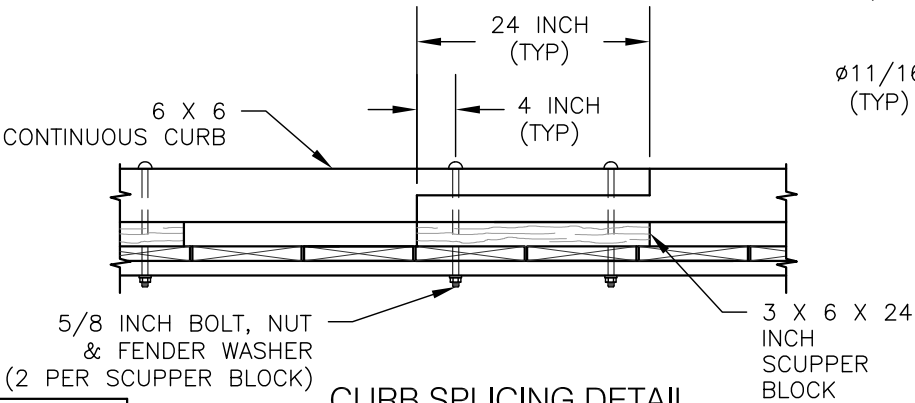
N/A WHEN NOT APPLICABLE



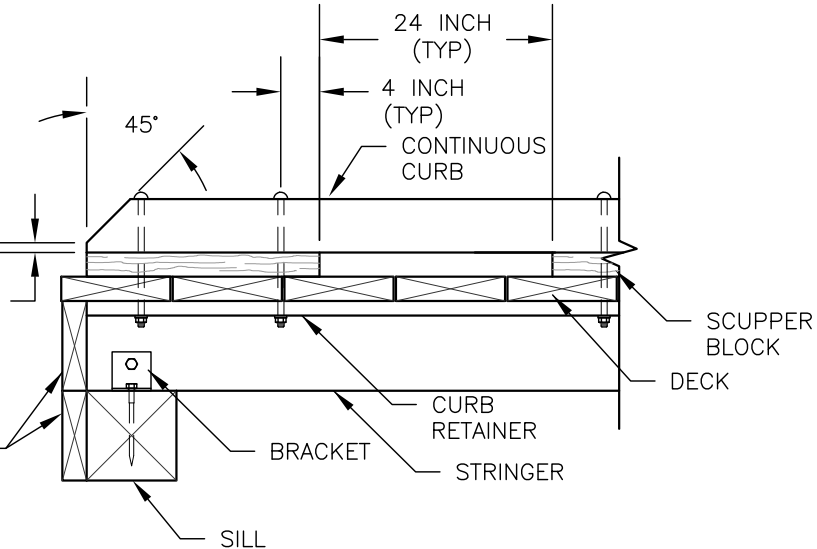
RAIL SYSTEM DETAIL



CURB DETAILS



CURB SPLICING DETAIL



BRACKET DETAIL

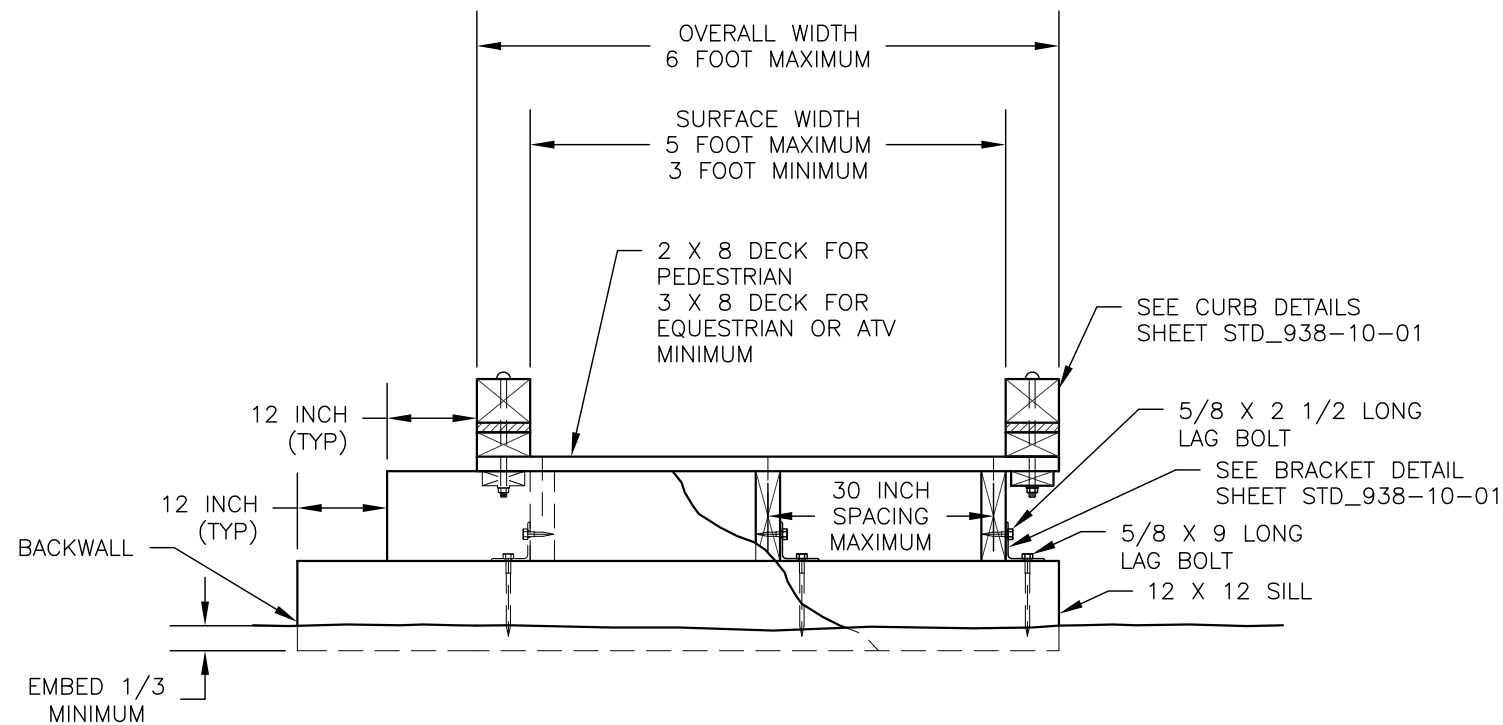
- NOTES:
- DESIGN LOAD: 100 PSF PEDESTRIAN LOAD.
  - ALL MATERIAL TYPE SHALL BE DOUGLAS FIR OR SOUTHERN PINE NO. 2 OR BETTER AS SPECIFIED IN THE ABOVE TABLE.
  - ALL FASTENERS SHALL BE GALVANIZED.
  - FASTENERS:  
DECKING: 60d 6 INCH RING SHANK NAILS OR DECK SCREWS 2 PER DECK STRINGER CONNECTION.  
RAILING: NO. 10 X 4 INCH LONG WOOD SCREWS 2 PER RAIL POST CONNECTION.  
STRINGERS & BACKWALLS: 40d 5 INCH LONG RING SHANK NAILS.
  - ALTERNATIVE FOR 7/8 BOLTS FOR HEADER BEAM IS BRACKET WITH AN ALLOWABLE LOAD OF 1100 LBS EACH SIDE.

FOOTING MATERIAL			
TYPE	MATERIAL	GRADATION	COMMENTS
FT1	CONCRETE		
FT2	AGGREGATE		
FT3			

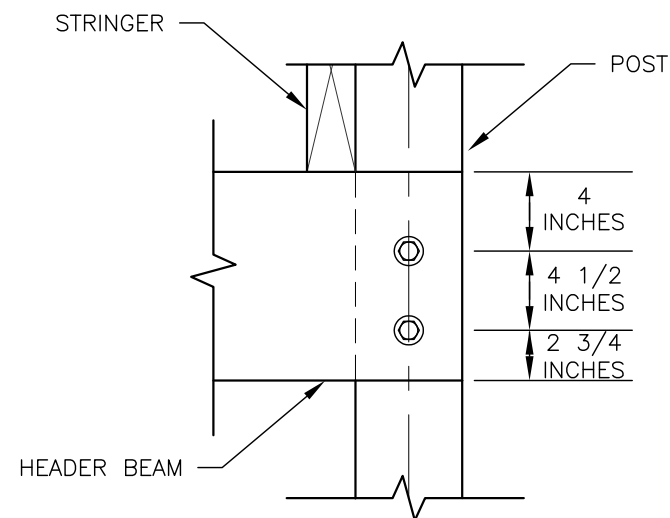
PRESERVATIVE TREATMENT - (REFER TO AWPA USE CATEGORY SYSTEM)			
PRESERVATIVE TYPE	TREATMENT TYPE	USE CATEGORY	COMMENTS
P1	WB	UC4A	
P2	WB	UC3B	
P3			

TREATMENT TYPE      USE CATEGORY      SHEET 1 OF 3

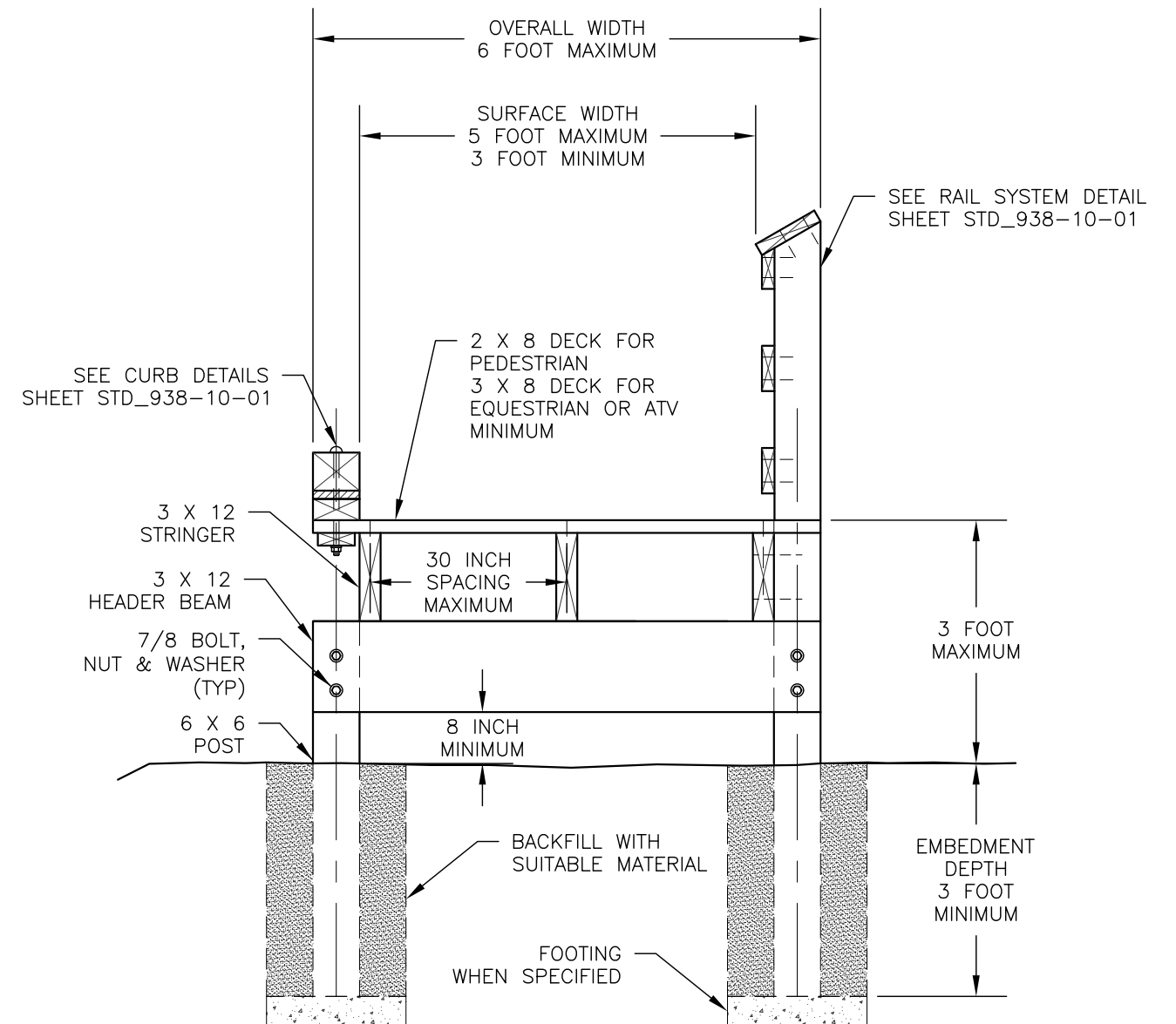
WB = WATERBORNE      UC3B = ABOVE GROUND - EXPOSED  
OT = OIL-BORNE      UC4A = GROUND CONTACT - GENERAL USE  
UC4B = GROUND CONTACT - HEAVY DUTY



**A** **TYPICAL GROUND SECTION**  
BLOCKING REQUIRED AT EVERY  
SUPPORT NOT SHOWN FOR CLARITY



**BOLT DETAIL**

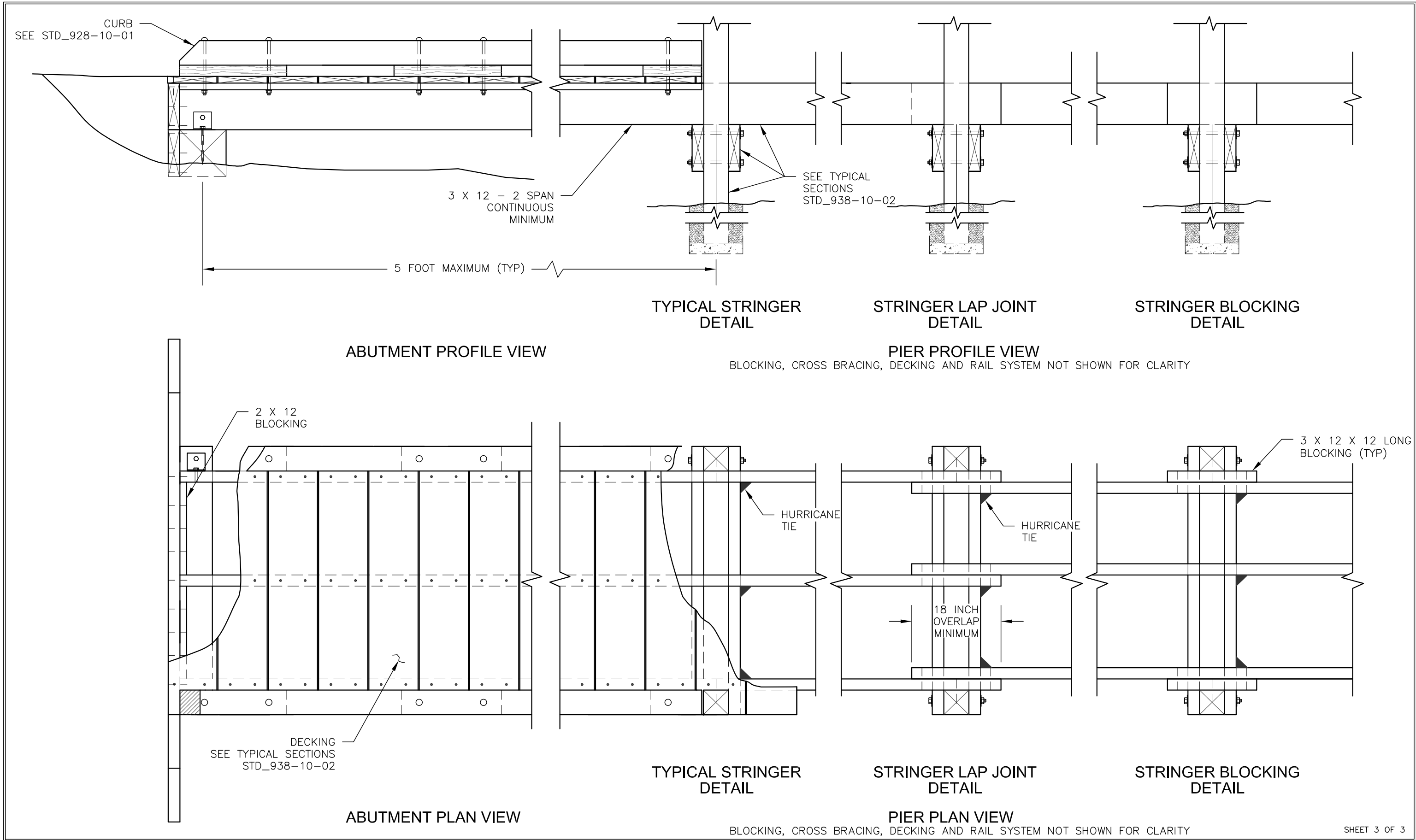


**B** **TYPICAL ELEVATED SECTION**

LESS THAN 3 FEET WITH CURB  
BLOCKING REQUIRED AT EVERY SUPPORT  
NOT SHOWN FOR CLARITY

**C** **TYPICAL ELEVATED SECTION**

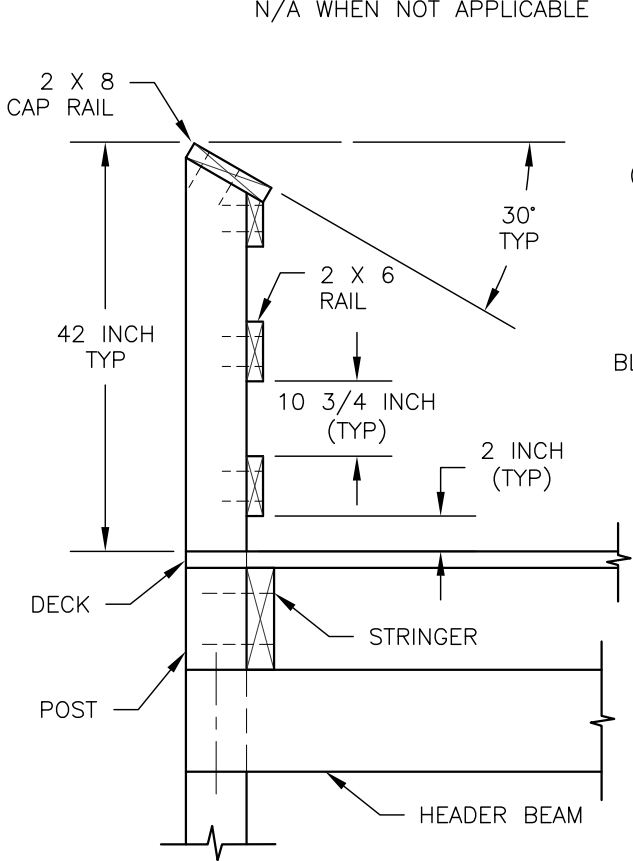
LESS THAN 3 FEET WITH CURB  
BLOCKING REQUIRED AT EVERY SUPPORT  
NOT SHOWN FOR CLARITY



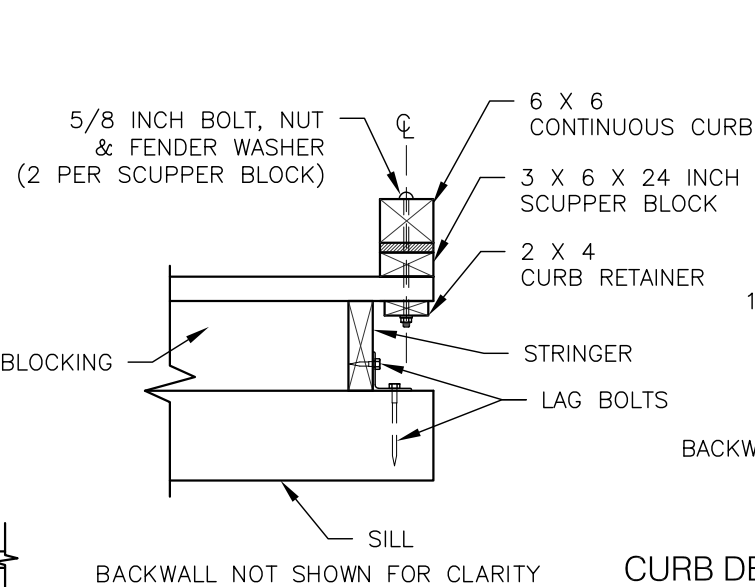
ELEVATED BOARDWALK

TYPICAL ID	SECTION TYPE	OVERALL WIDTH	SURFACE WIDTH	FOOTING MATERIAL			POST/SILLS/BACKWALLS				HEADER BEAM/STRINGERS/DECK/CURB/RAILING SYSTEM			COMMENTS
				TYPE	DEPTH	WIDTH	POST HEIGHT	POST EMBEDMENT DEPTH	SPECIES	PRESERV. TYPE	DECK SIZE	SPECIES	PRESERV. TYPE	
SBW-1				F						P			P	

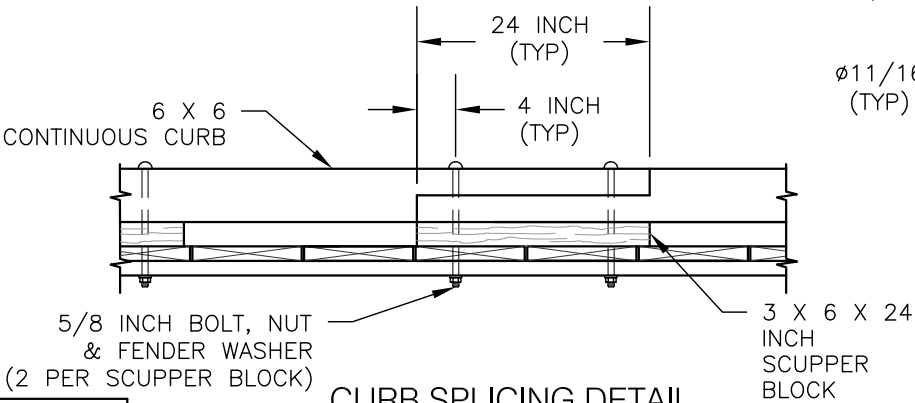
N/A WHEN NOT APPLICABLE



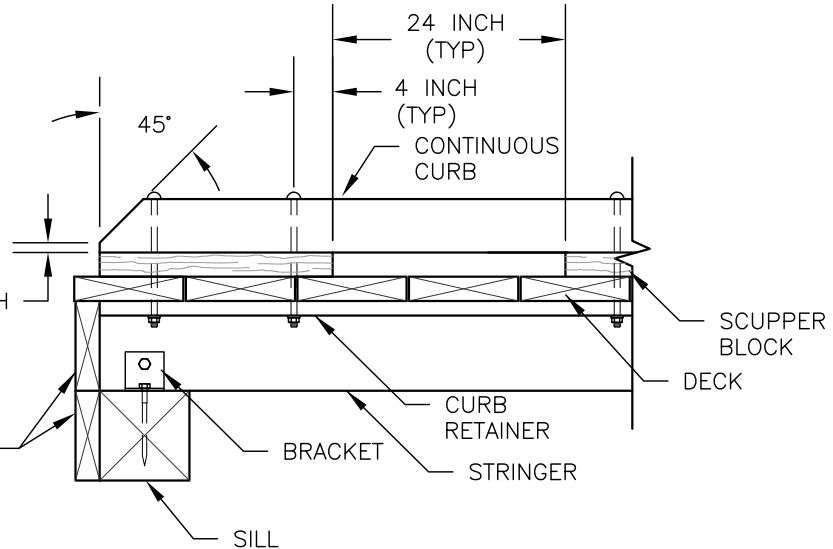
RAIL SYSTEM DETAIL



CURB DETAILS



CURB SPLICING DETAIL



BRACKET DETAIL

- NOTES:
- DESIGN LOAD: 100 PSF PEDESTRIAN LOAD.
  - ALL MATERIAL TYPE SHALL BE DOUGLAS FIR OR SOUTHERN PINE NO. 2 OR BETTER AS SPECIFIED IN THE ABOVE TABLE.
  - ALL FASTENERS SHALL BE GALVANIZED.
  - FASTENERS:
    - DECKING: 60d 6 INCH RING SHANK NAILS OR DECK SCREWS 2 PER DECK STRINGER CONNECTION.
    - RAILING: NO. 10 X 4 INCH LONG WOOD SCREWS 2 PER RAIL POST CONNECTION.
    - STRINGERS & BACKWALLS: 40d 5 INCH LONG RING SHANK NAILS.
  - ALTERNATIVE FOR 7/8 BOLTS FOR HEADER BEAM IS BRACKET WITH AN ALLOWABLE LOAD OF 1100 LBS EACH SIDE.

FOOTING MATERIAL			
TYPE	MATERIAL	GRADATION	COMMENTS
FT1	CONCRETE		
FT2	AGGREGATE		
FT3			

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

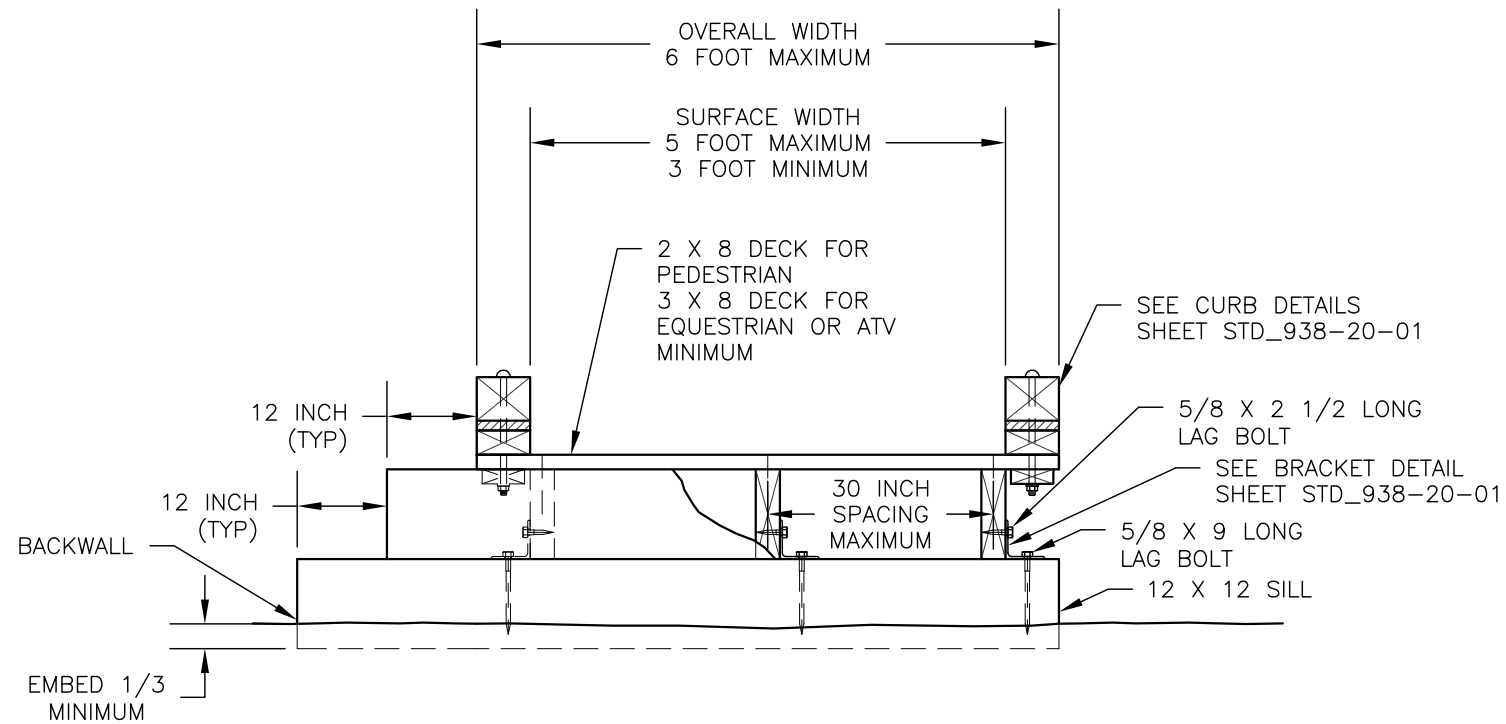
TREATMENT TYPE

WB = WATERBORNE  
OT = OIL-BORNE

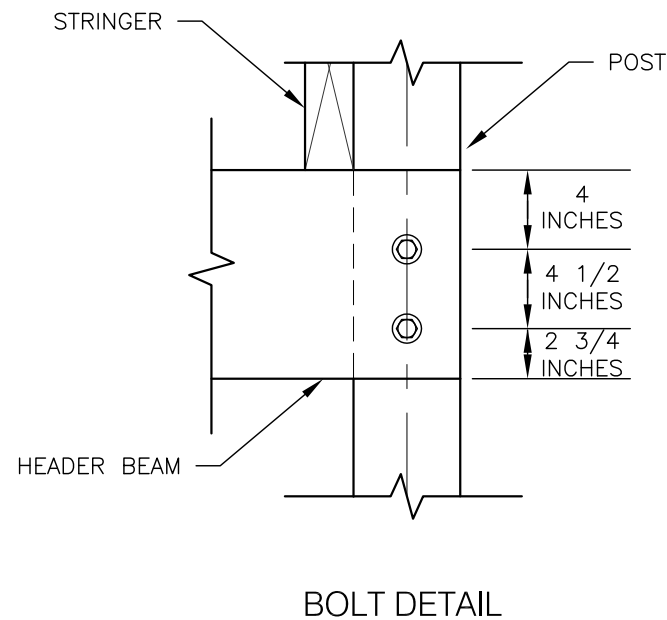
USE CATEGORY

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

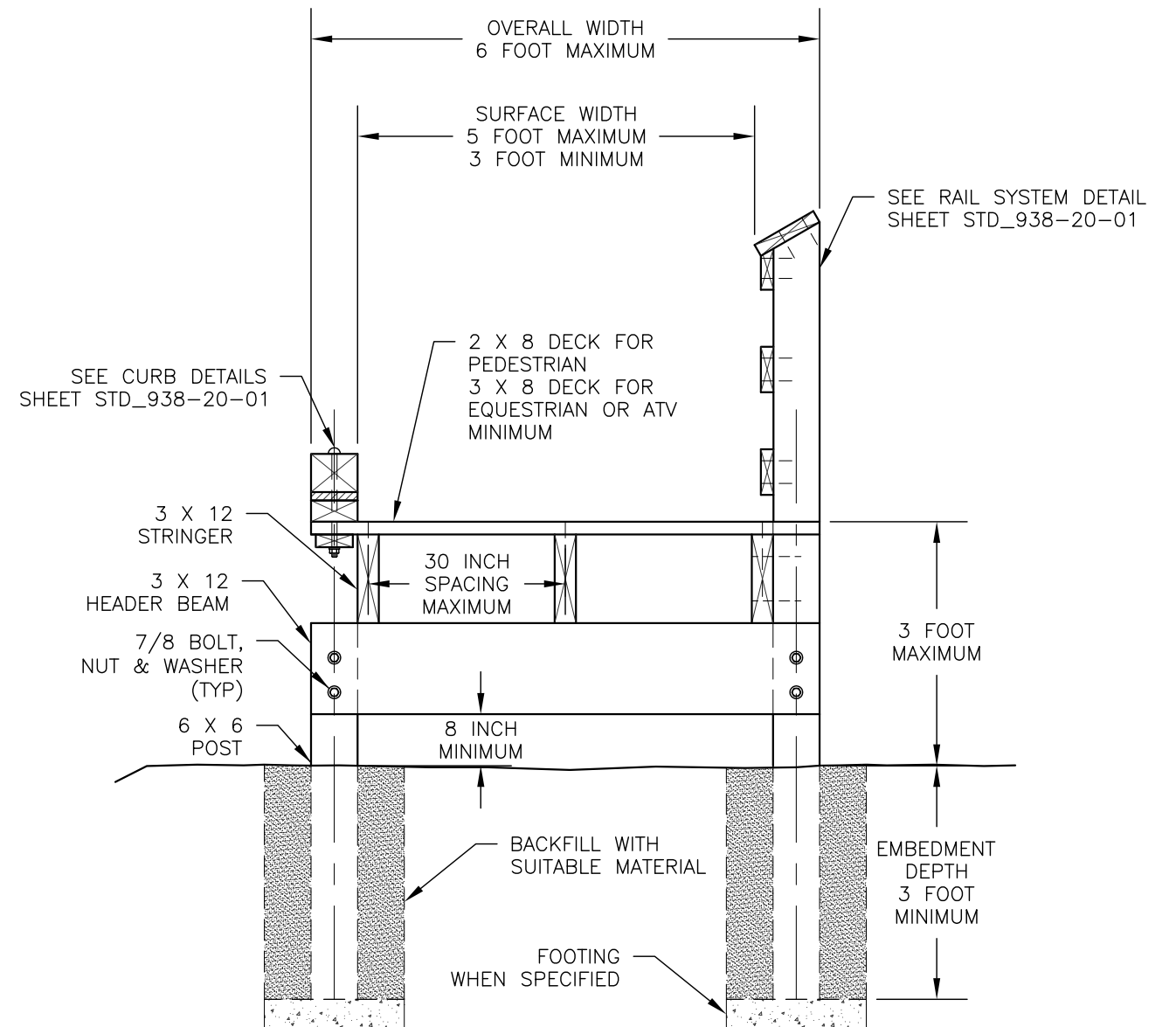
SHEET 1 OF 4



**A** TYPICAL GROUND SECTION  
BLOCKING REQUIRED AT EVERY  
SUPPORT NOT SHOWN FOR CLARITY

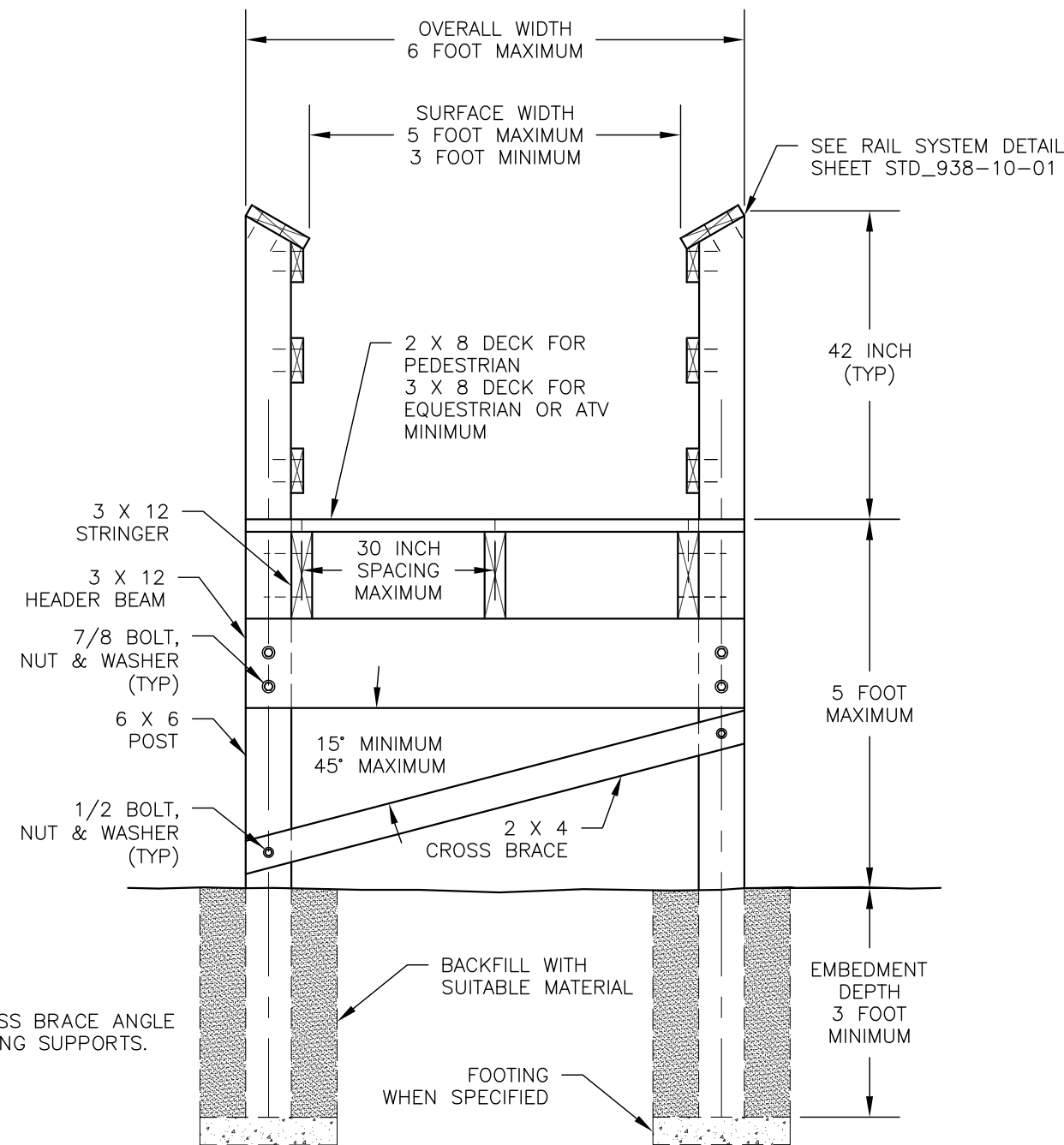


BOLT DETAIL

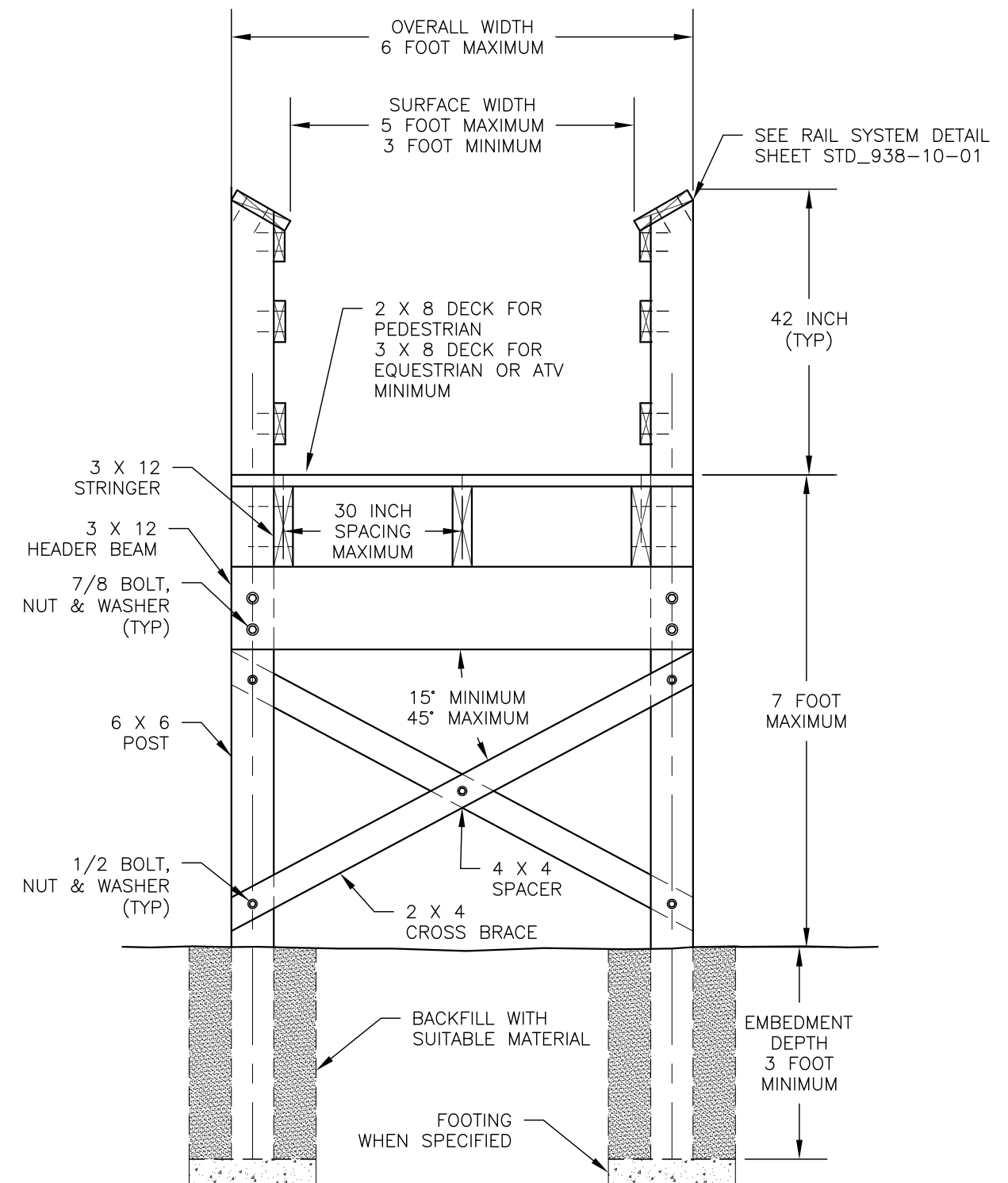


**B** TYPICAL ELEVATED SECTION  
LESS THAN 3 FEET WITH CURB  
BLOCKING REQUIRED AT EVERY SUPPORT  
NOT SHOWN FOR CLARITY

**C** TYPICAL ELEVATED SECTION  
LESS THAN 3 FEET WITH CURB  
BLOCKING REQUIRED AT EVERY SUPPORT  
NOT SHOWN FOR CLARITY



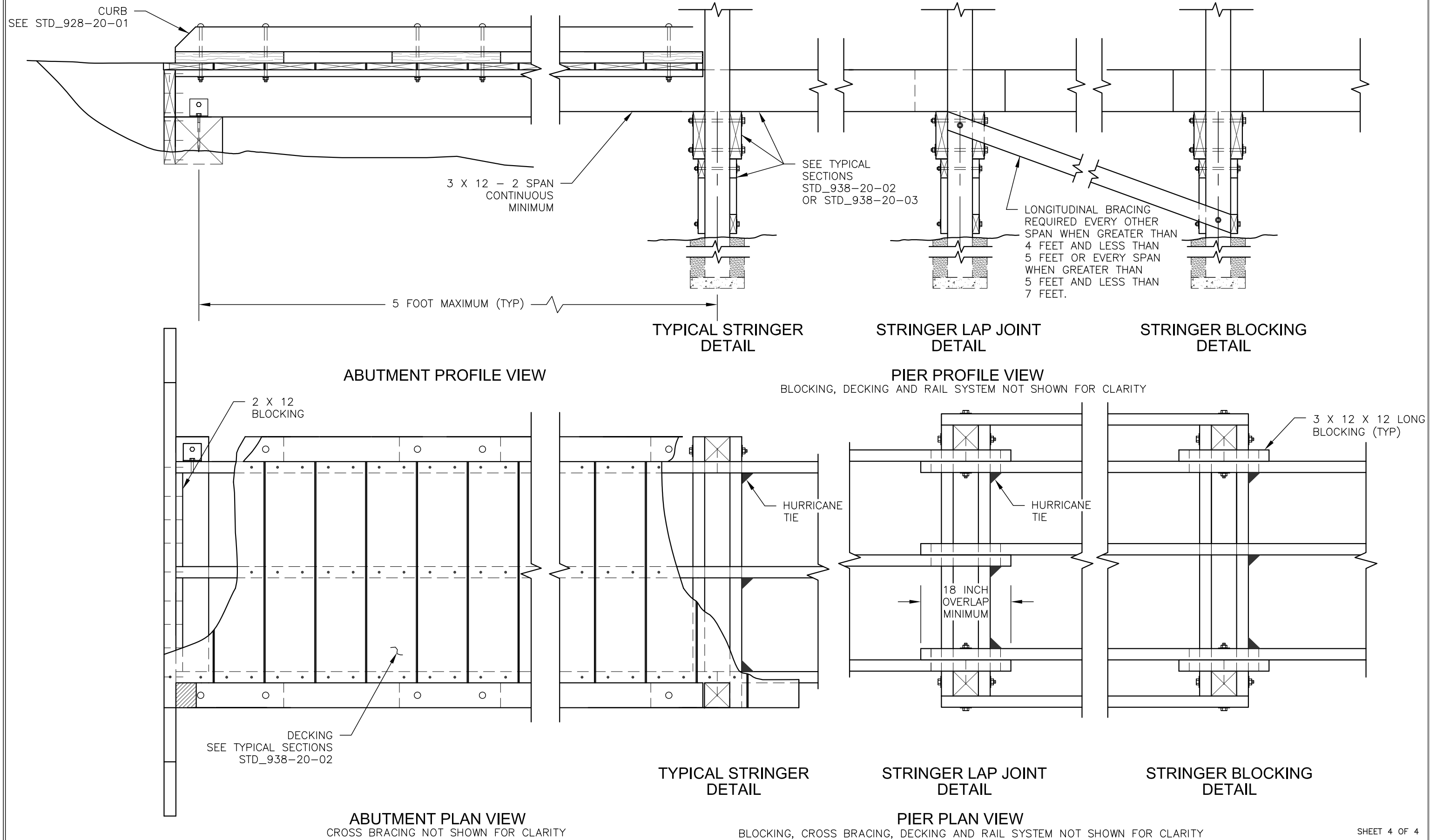
**D** TYPICAL ELEVATED  
SECTION  
GREATER THAN 3 FEET LESS THAN  
5 FEET BLOCKING REQUIRED AT EVERY  
SUPPORT NOT SHOWN FOR CLARITY



**E** TYPICAL ELEVATED  
SECTION  
GREATER THAN 5 FEET LESS THAN  
7 FEET BLOCKING REQUIRED AT EVERY  
SUPPORT NOT SHOWN FOR CLARITY

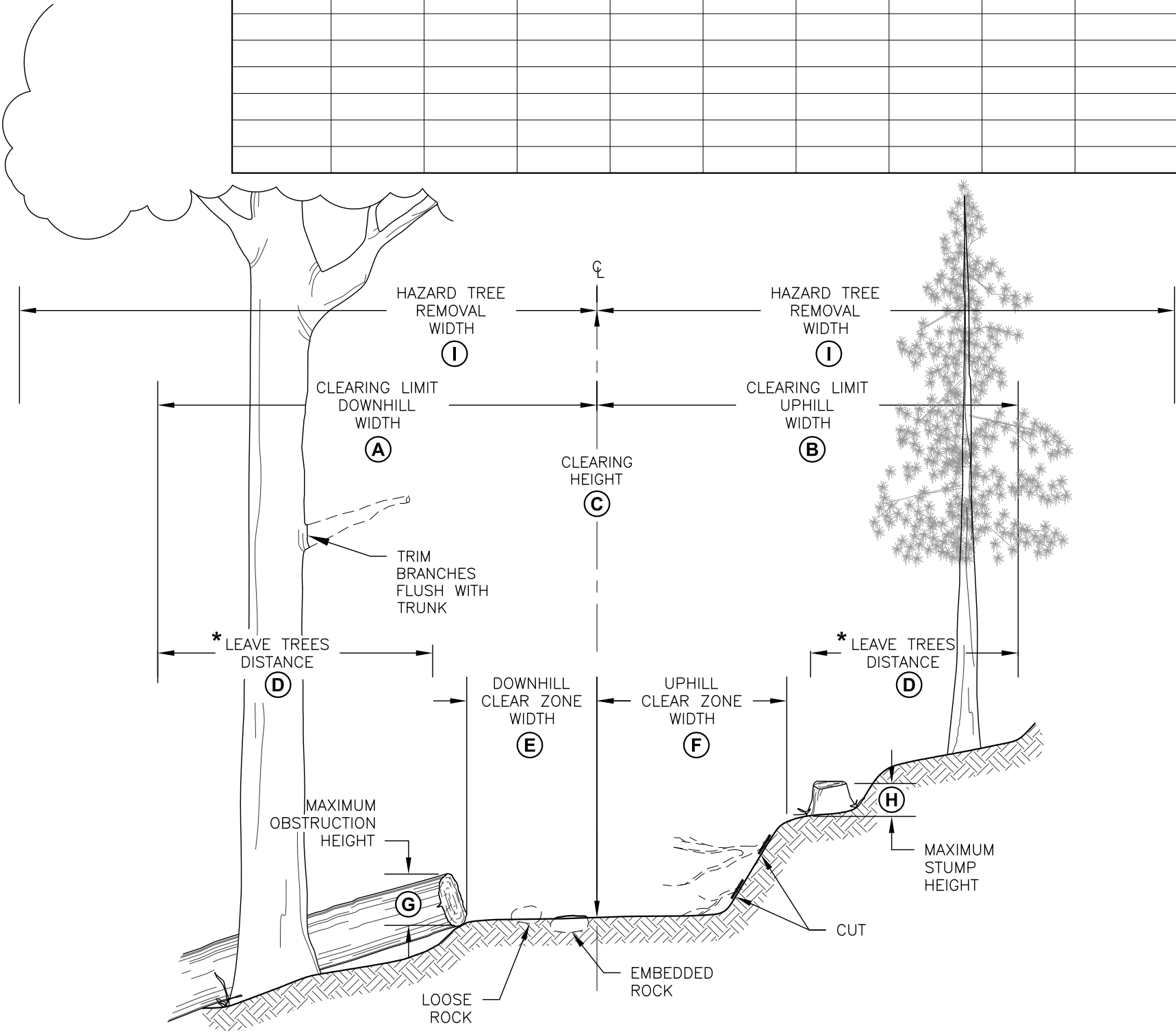
SHEET 3 OF 4





CLEARING LIMITS - TREES AND LOGS

TYPICAL ID	CLEARING METHOD	CLEARING LIMITS			* LEAVE TREES		CLEAR ZONE			STUMPS	HAZARD TREE	DISPOSAL METHOD	COMMENTS
		DOWNHILL WIDTH Ⓐ	UPHILL WIDTH Ⓑ	CLEARING HEIGHT Ⓒ	DISTANCE (FEET) Ⓓ	DIAMETER (INCHES)	DOWNHILL WIDTH Ⓔ	UPHILL WIDTH Ⓕ	MAXIMUM OBSTRUCTION HEIGHT Ⓖ	MAXIMUM HEIGHT Ⓗ	REMOVAL WIDTH Ⓘ		
CLT-1	C											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: ASSESSMENT AND DESIGNATION BY QUALIFIED PROFESSIONAL

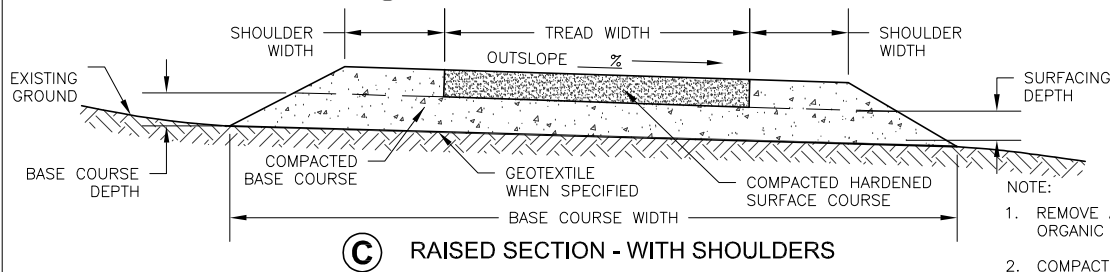
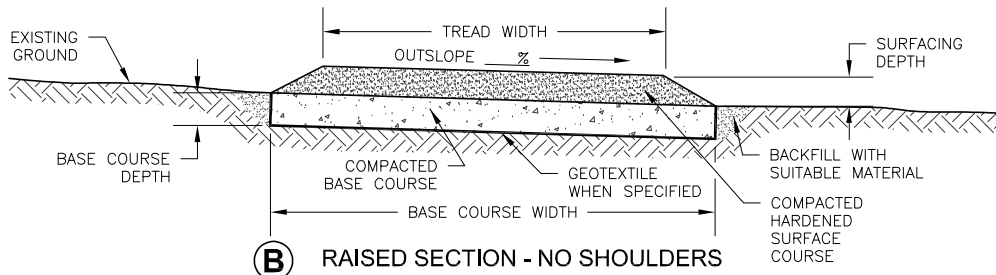
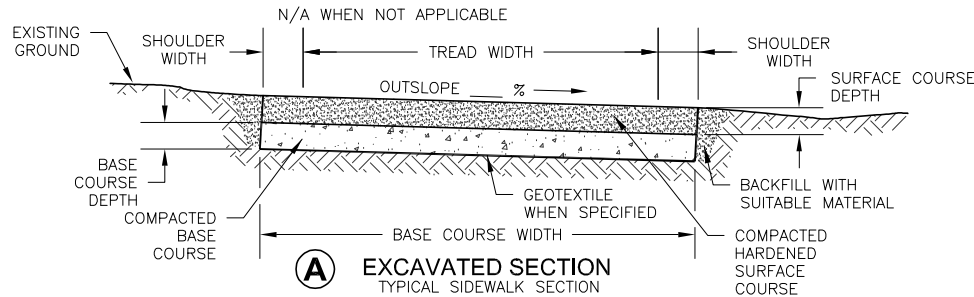
NOTE: ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS

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		

## 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						B		HS		



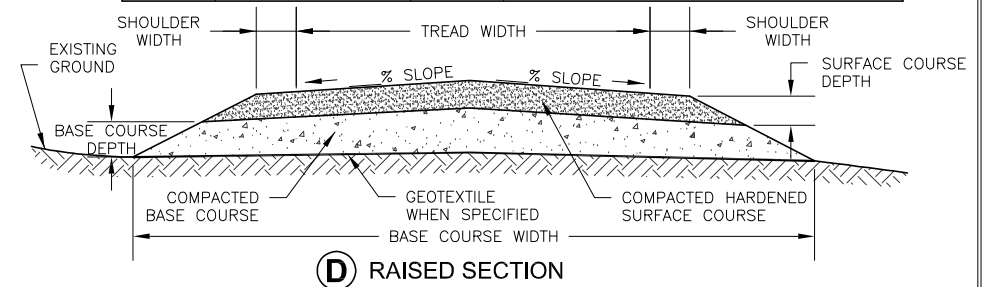
- NOTE:
1. REMOVE AND DISPOSE OF DUFF AND TOP ORGANIC LAYERS DOWN TO MINERAL SOIL.
  2. COMPACT BACKFILL IN 15 cm. LIFTS UNTIL NO VISUAL DISPLACEMENT.

### BASE COURSE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
B1			
B2			
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			



NOTE: ADAPTED FROM USFS STANDARD COMBINED TRAIL PLANS

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.

SHEET  
OF

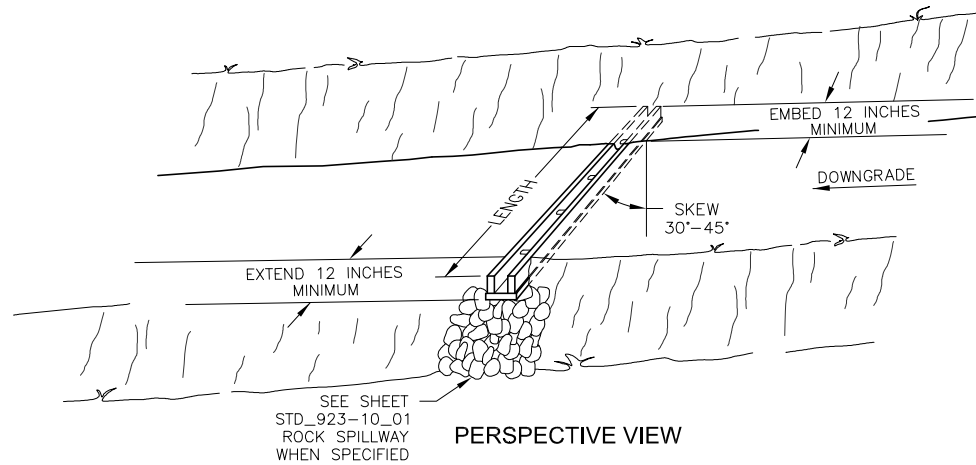
## SKEW

TRAIL GRADE	SKEW ANGLE
<5%	45° MAX
>5%	30° MIN

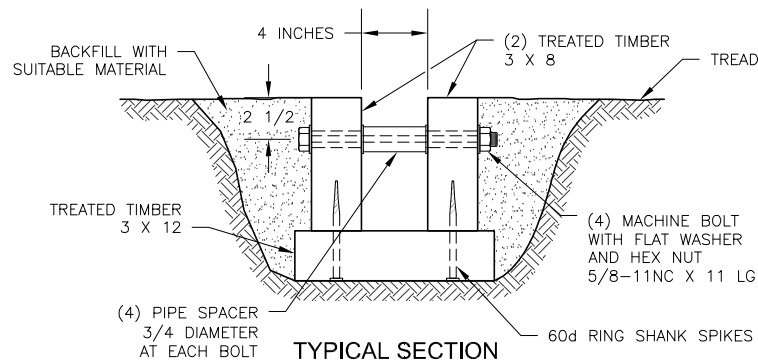
## OPEN-TOP DRAIN

TYPICAL ID	SPECIES	PRESERV. TYPE	ROCK*** SPILLWAY	SKEW	COMMENTS
OTD-1		P			

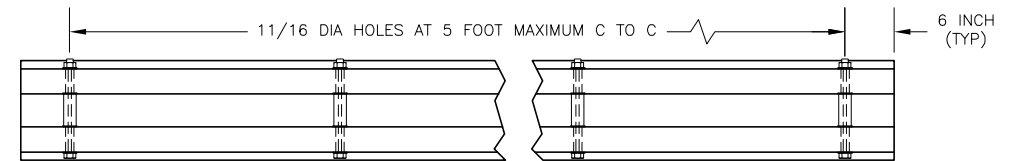
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\*\*\*FOR ROCK SPILLWAY SEE SHEET STD\_923-10-01



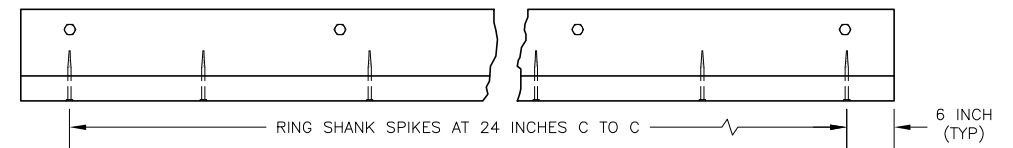
PERSPECTIVE VIEW



TYPICAL SECTION



PLAN VIEW



ELEVATION VIEW

## NOTES:

1. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.

NOTE: ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS  
(NOTE IMPERIAL NOT METRIC UNITS)

STANDARD TRAIL PLAN

PROJECT NAME &amp; LOCATION

DRAWING NAME

OPEN TOP DRAIN

SECTION

921 - CULVERTS

TYPICAL ID

OTD

REVISION DATE

XX/XX/XX

NO SCALE

DRAWING NO.

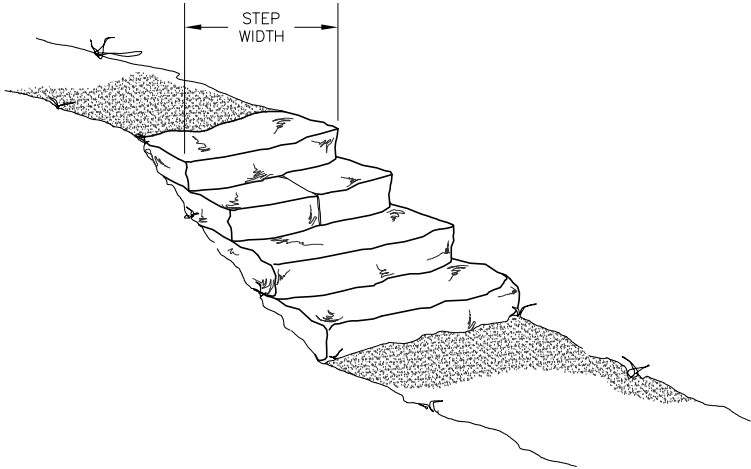
STD\_921-50-01

SHEET

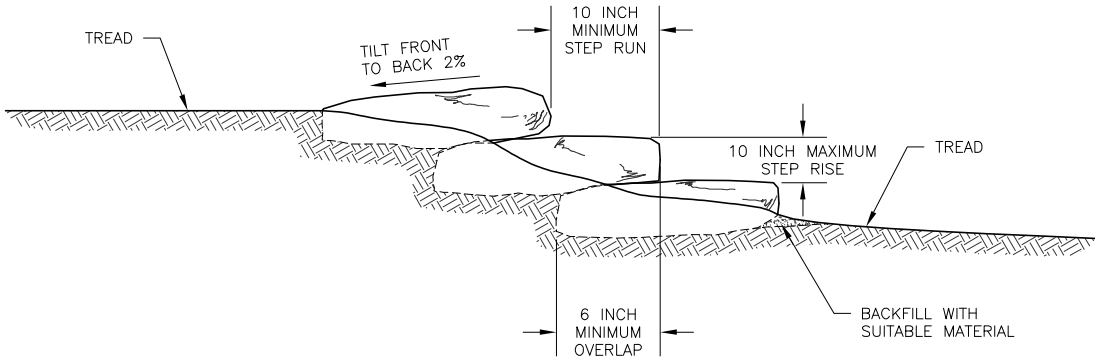
OF

OVERLAPPING ROCK STEP

TYPICAL ID	STEP WIDTH	STEP RUN	STEP RISE	STEP OVERLAP	MINIMUM ROCK WEIGHT	COMMENTS
ORS-1						



PERSPECTIVE VIEW



ELEVATION VIEW

OVERLAPPING ROCK STAIRWAY

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

NOTE: ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS  
(NOTE IMPERIAL NOT METRIC UNITS)

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME

OVERLAPPING ROCK STEPS

SECTION

936 - STAIRWAYS

TYPICAL ID

ORS

REVISION DATE

NO SCALE

DRAWING NO.

SHEET  
OF

# APPLICATION OF SEED, FERTILIZER & MULCH

NOTE: CONTRACTOR SHALL SEED, FERTILIZE AND MULCH ANY DISTURBED AREA THAT WAS CAUSED BY CONTRACTORS OPERATION, OUTSIDE SEEDING, FERTILIZING AND MULCHING LIMITS. THIS WORK SHALL BE INCIDENTAL TO SEEDING, FERTILIZING AND MULCHING.

TYPICAL ID	APPLICATION TYPE	SEEDING TYPE	FERTILIZING TYPE	MULCHING TYPE	APPLICATION SEASON	APPLICATION METHOD	TOTAL NO. APPLICATIONS
SMF-1		S	F	M			

APPLICATION METHOD: H = HAND SPREAD M = MECHANICAL SPREAD

## SEED

SEEDING TYPE	SPECIES OR SEED MIXTURE	PURITY	GERMINATION	APPLICATION RATE (LB/ACRE)	WEED CONTENT	CROP SEEDS	INERT MATTER	ORIGIN
S1		%	%		%	%	%	
S2								
S3								
S4								
S5								
S6								

ALL SEED TO BE CERTIFIED WEED FREE

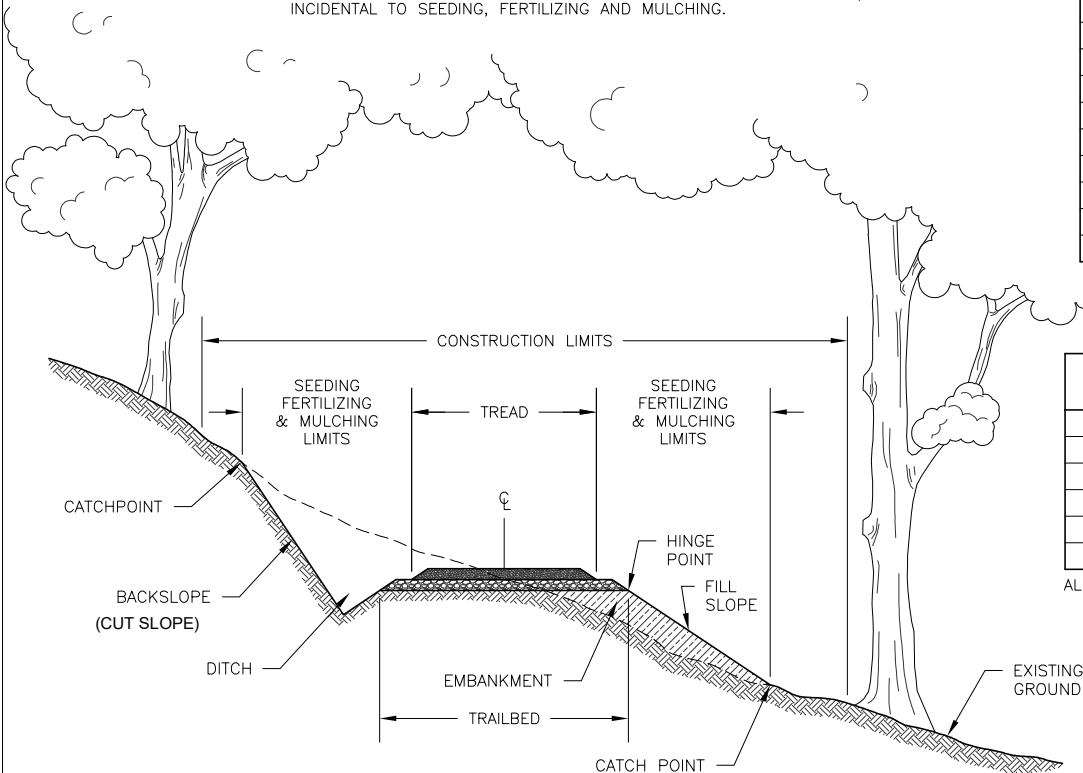
## FERTILIZER

FERTILIZING TYPE	APPLICATION RATE (LB/ACRE)	NUTRIENT	NUTRIENT			NO. OF APPLICATIONS
			NITROGEN, N	PHOSPHORUS P2O5	POTASSIUM	
F1		%	%	%	%	
F2						
F3						

## MULCH

MULCHING TYPE	TYPE	APPLICATION RATE (TONS/ACRE)
M1		
M2		
M3		

ALL MULCHING MATERIAL TO BE CERTIFIED WEED FREE



## APPLICATION TYPE

- A** SEEDING
- B** SEEDING & MULCHING
- C** SEEDING, FERTILIZING AND MULCHING
- D** SEEDING AND FERTILIZING
- E** MULCHING
- F** EROSION CONTROL BLANKET

NOTE: ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS  
(NOTE IMPERIAL NOT METRIC UNITS)

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME  
**SEEDING, FERTILIZING AND MULCHING**

SECTION

981 - SEEDING, FERTILIZING AND MULCHING SMF

TYPICAL ID

REVISION DATE

NOT TO SCALE

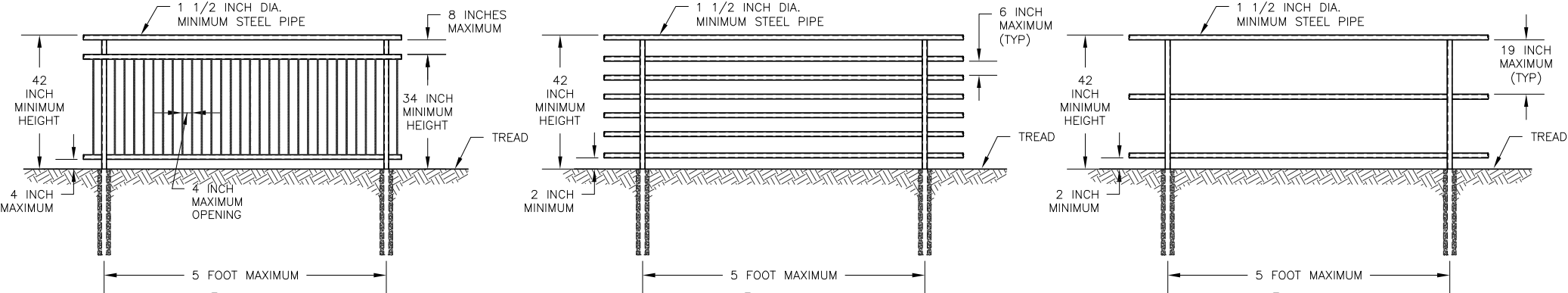
DRAWING NO.

SHEET  
OF

RAILING SYSTEM

TYPICAL ID	CLEAR WIDTH	SECTION TYPE	POST			RAIL	HANDRAIL	COMMENTS
			SIZE	HEIGHT	EMBEDMENT DEPTH	SIZE	TYPE	
RLS-1								

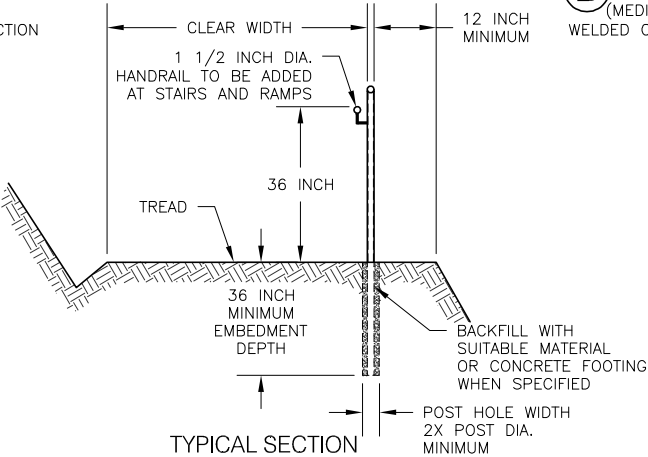
N/A WHEN NOT APPLICABLE



**A** IBC  
(HIGH USE)  
WELDED CONSTRUCTION

**B** AASHTO  
(MEDIUM USE)  
WELDED CONSTRUCTION

**C** OSHA  
(LOW USE)  
WELDED CONSTRUCTION



- NOTES:
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.
  3. 1/8 INCH WEEP HOLES ARE REQUIRED AT BOTTOMS AND LOW POINTS OF RAILS AND POSTS.
  4. ALL ENDS TO BE CAPPED.
  5. ALL SHARP EDGES TO BE GROUND SMOOTH.
  6. CLEAR WIDTH IS GREATER OR EQUAL TO THE TREAD AND SHOULDER WIDTHS DEFINED IN SECTION 911.

NOTE: ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS  
(NOTE IMPERIAL NOT METRIC UNITS)

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME

RAILING SYSTEM

SECTION

937 - RAILING SYSTEM

TYPICAL ID

RLS

REVISION DATE

NO SCALE

DRAWING NO.

SHEET

OF

SURFACING SECTIONS

TYPICAL ID	SECTION TYPE	TREAD WIDTH	SHOULDER WIDTH		GEOTEXTILE TYPE	BASE COURSE		SURFACE COURSE		COMMENTS
			UPHILL	DOWNHILL		TYPE	DEPTH	TYPE	DEPTH	

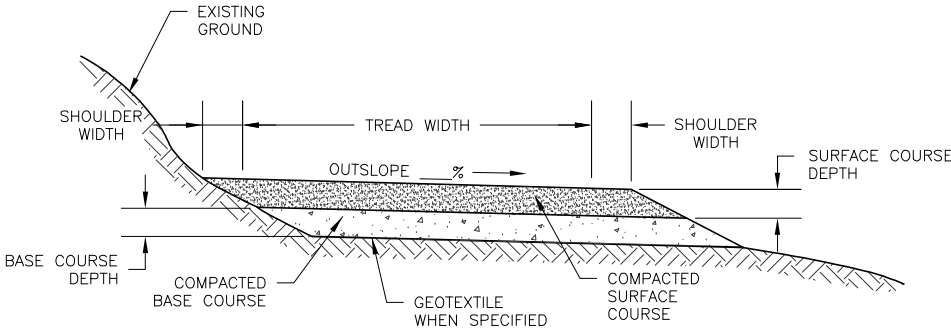
N/A WHEN NOT APPLICABLE

BASE COURSE MATERIAL TYPE

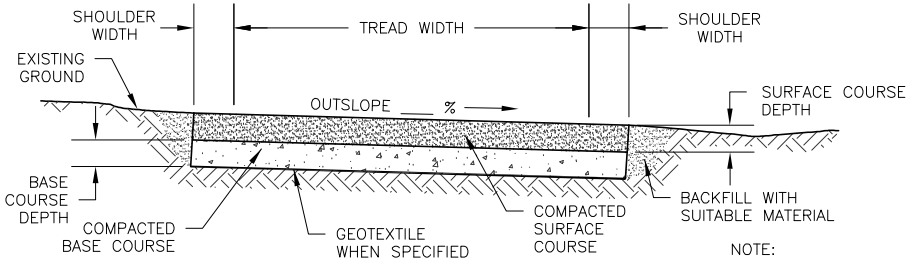
TYPE	MATERIAL	GRADATION	COMMENTS
B1	PITRUN		
B2	AGGREGATE		
B3			

SURFACE COURSE MATERIAL TYPE

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

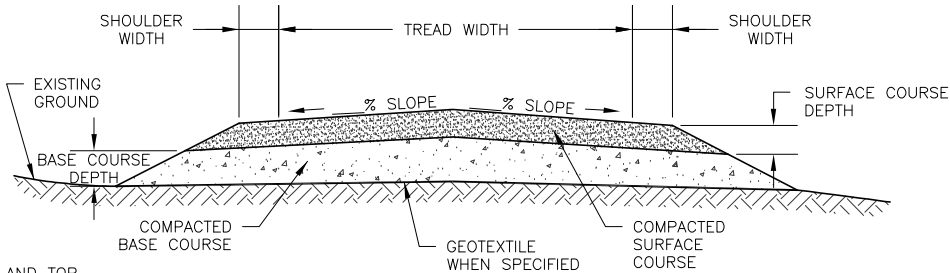


A OUTSLOPED SECTION



B EXCAVATED 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.



C RAISED SECTION

ADAPTED FROM USFS COMBINED STANDARD TRAIL PLANS

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME  
TYPICAL SURFACING SECTIONS

SECTION

TYPICAL ID

REVISION DATE  
XX/XX/XX

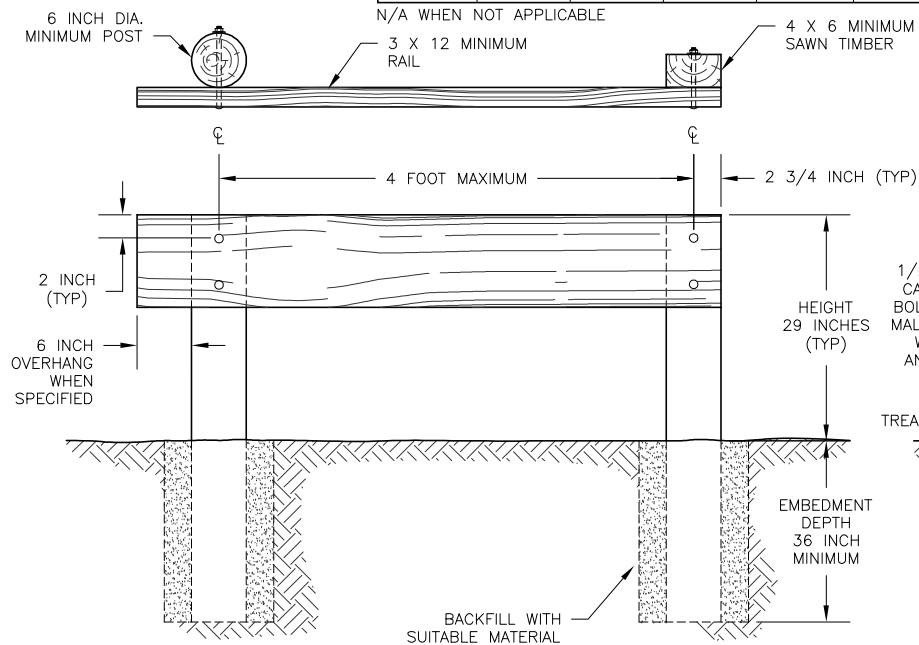
NO SCALE

DRAWING NO.

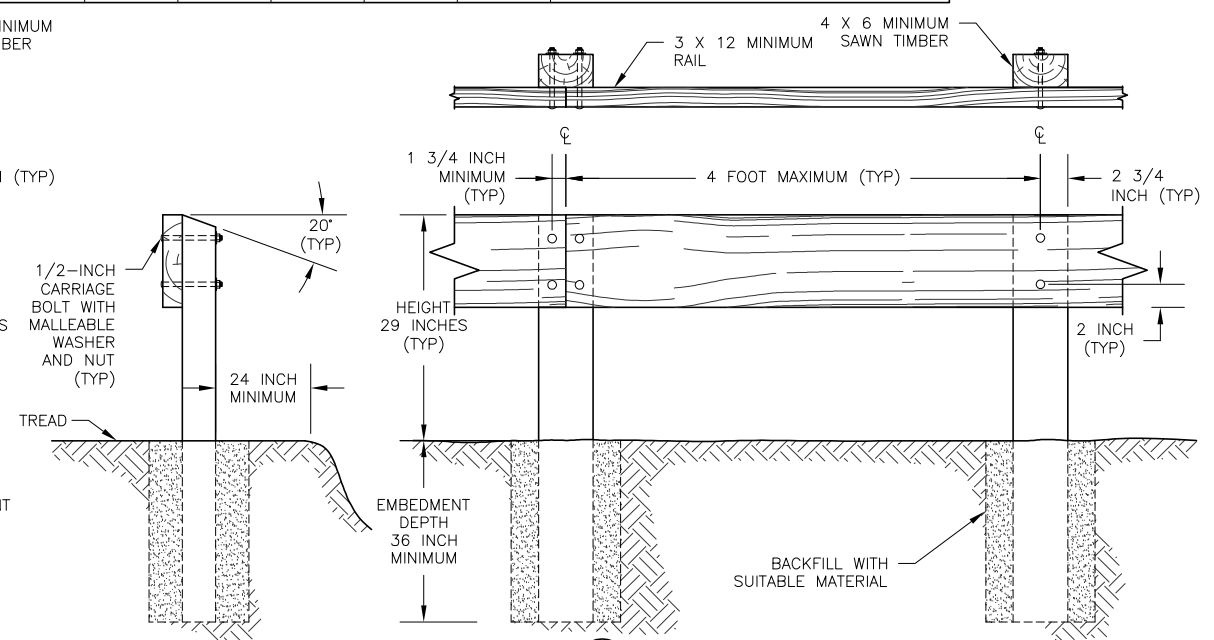
SHEET  
OF



## TIMBER BARRIER ON POST

[illegible]

**A** SINGLE GUARDRAIL SECTION



**(B) CONTINUOUS GUARDRAIL SECTION**

NOTES:

1. PRE-DRILL HOLES FOR FASTENERS TO PREVENT SPLITTING OF LOGS OR SAWN TIMBERS.
2. COMPACT BACKFILL IN 6 INCH LIFTS UNTIL NO VISUAL DISPLACEMENT.
3. FIELD TREAT ALL FIELD CUTS AND PRE-DRILLED HOLES.
4. ALL HARDWARE SHALL BE GALVANIZED OR STAINLESS STEEL.

NOTE: SPECIFY WOOD PRESERVATIVE TYPE AND APPLICATION METHOD  
DRAWING ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS

UNITS SHOWN ARE IMPERIAL UNITS

## STANDARD TRAIL PLAN

PROJECT NAME &amp; LOCATION

DRAWING NAME

# TIMBER BARRIER ON POST

SECTION

### 933 - SIDE BARRIERS

TYPICAL ID

**TBP**

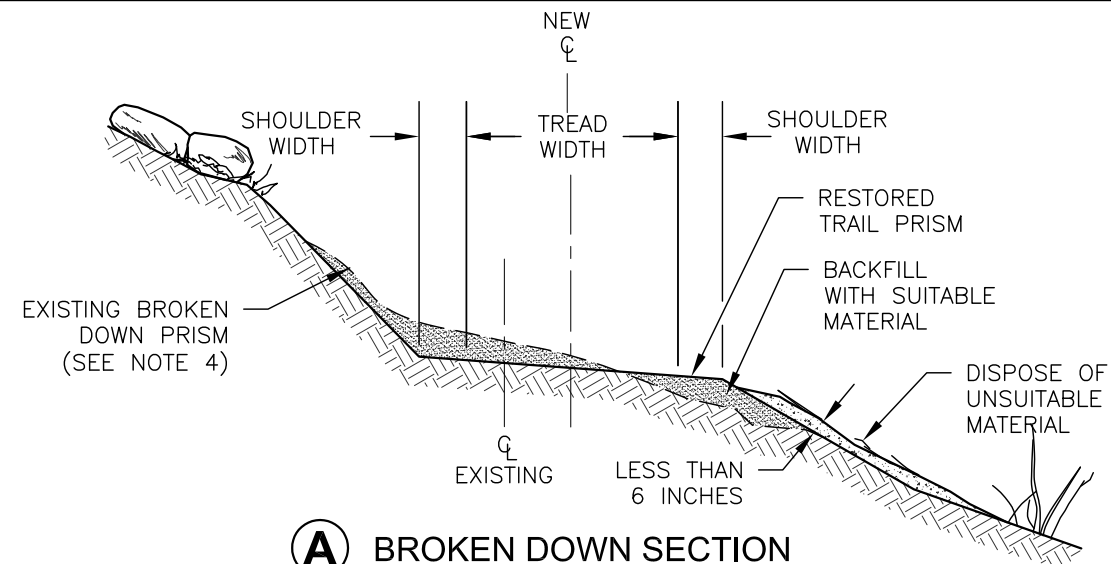
REVISION DATE

**NO SCALE**

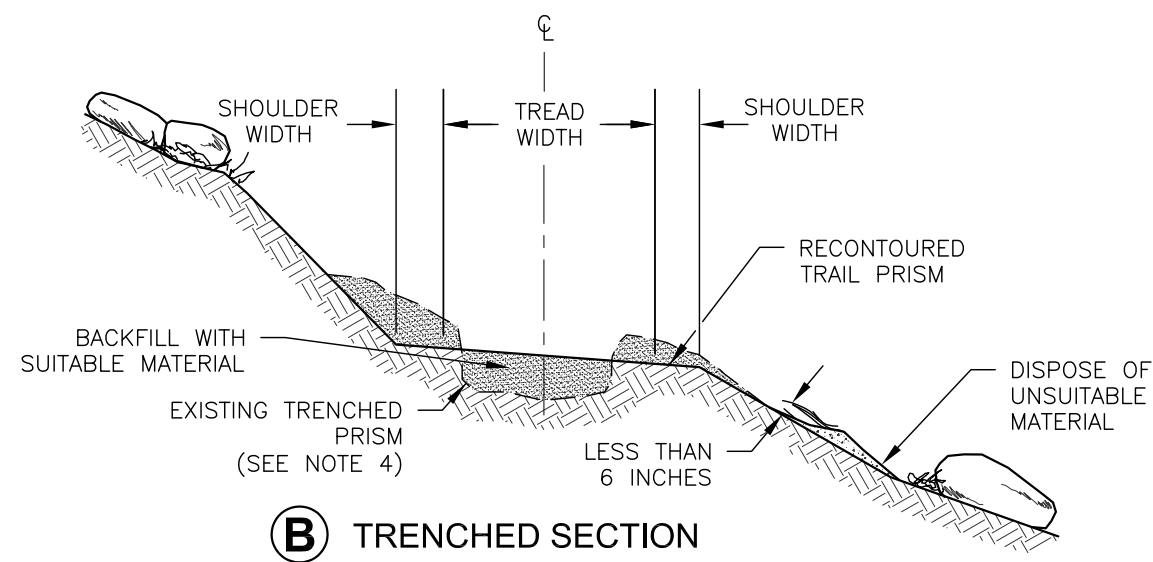
DRAWING NO.

SHEET	
-------	--

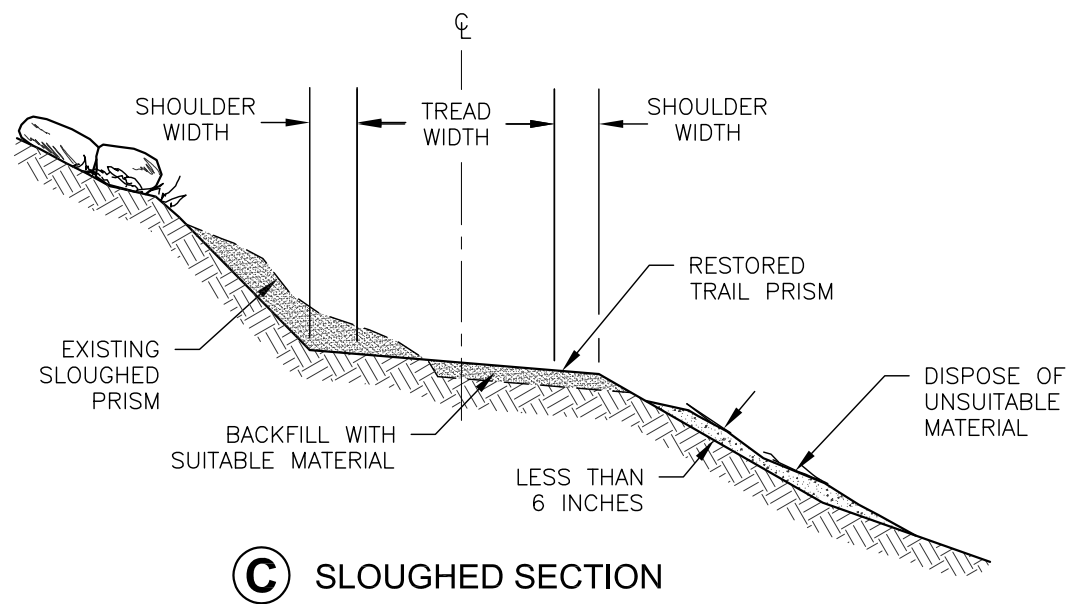
OF



**A** BROKEN DOWN SECTION



**B** TRENCHED SECTION



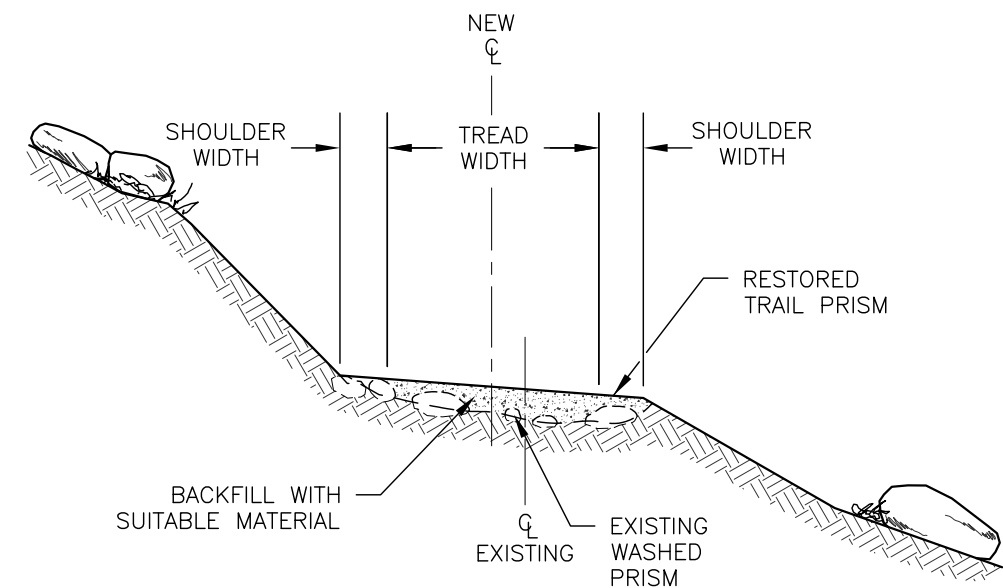
**C** SLOUGHED SECTION

EXISTING TRAIL RESTORATION					
TYPICAL ID	SECTION TYPE	TREAD WIDTH	SHOULDER WIDTH		COMMENTS
			UPHILL	DOWNHILL	
ETR-1					

NOTES:

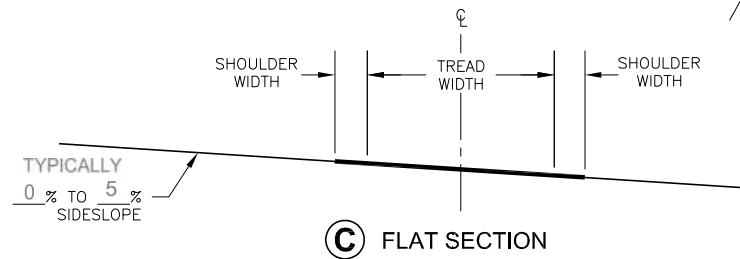
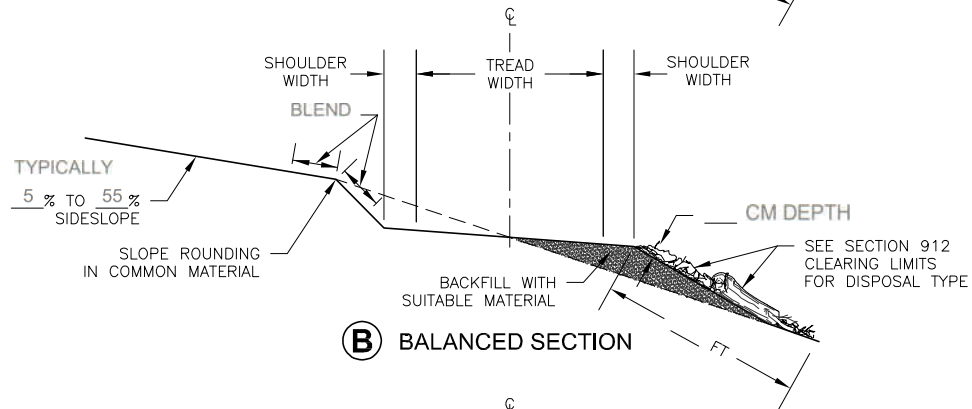
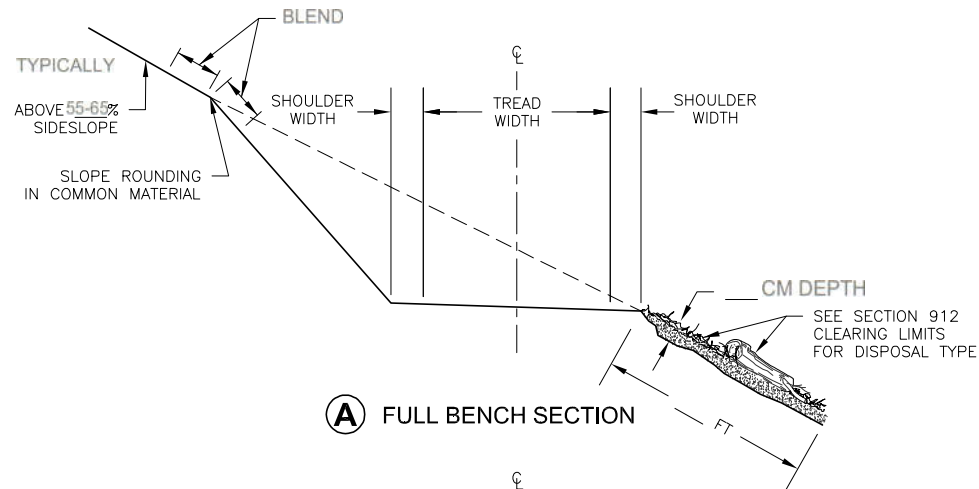
1. RE-ESTABLISH ORIGINAL DRAINAGE STRUCTURES TO MATCH NEW TREAD SURFACE.
2. INSTALL CHECK DAMS, DRAINAGE DIPS OR OTHER DRAINAGE STRUCTURES WHEN SPECIFIED.
3. DRAINAGE DIPS WILL BE STAKED IN THE FIELD WHEN REQUIRED AND WILL BE PAID SEPARATELY UNDER SECTION 927.
4. USE ONLY SUITABLE MATERIAL TO CONSTRUCT RESTORED TRAIL PRISMS. DISPOSE OF UNSUITABLE MATERIAL AS SHOWN ON PLANS.
5. SEEDING, FERTILIZING & MULCHING WHEN REQUIRED WILL BE PAID UNDER SECTION 981.

NOTE: ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS  
(NOTE IMPERIAL NOT METRIC UNITS)



**D** WASHED SECTION

## TYPICAL TRAIL CROSS SECTIONS



## TYPICAL TRAIL TREAD AND SHOULDER WIDTH

TYPICAL ID	SECTION TYPE	TREAD FINISH	TREAD WIDTH	SHOULDER WIDTH		COMMENTS
				UPHILL	DOWNHILL	

## TREAD CROSS SLOPE

TYPICAL ID	OUTSLOPE	INSLOPE	CROWNED SECTION	COMMENTS
	%	%	%	

## 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: ADD SLASH DISPOSAL DETAILS:

ROUTES OR SEGMENTS MAY REQUIRE GEOTECHNICAL ASSESSMENT AND OVERSIGHT

DRAWING ADAPTED FROM USFS COMBINED TRAIL STANDARDS

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME

**TYPICAL  
CROSS SECTION & SLOPE FINISH**

SECTION

TYPICAL ID

REVISION DATE

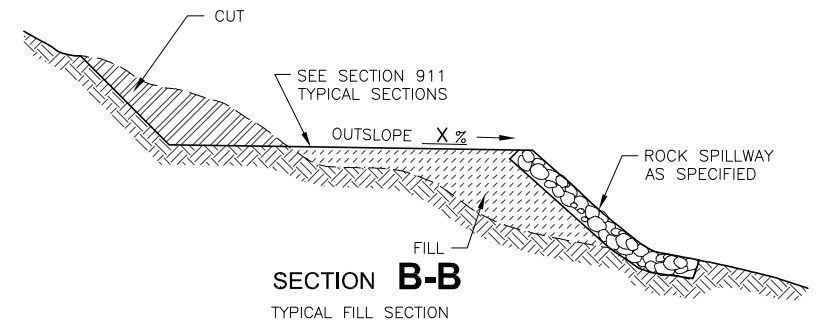
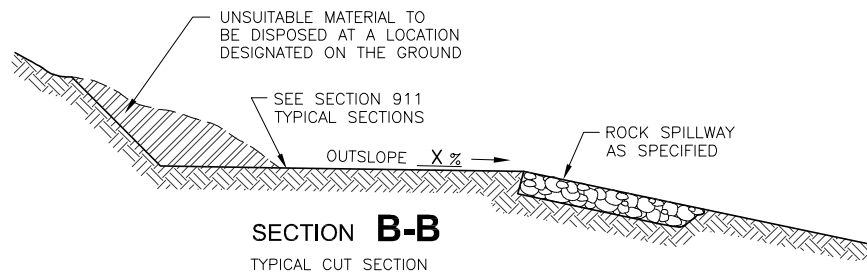
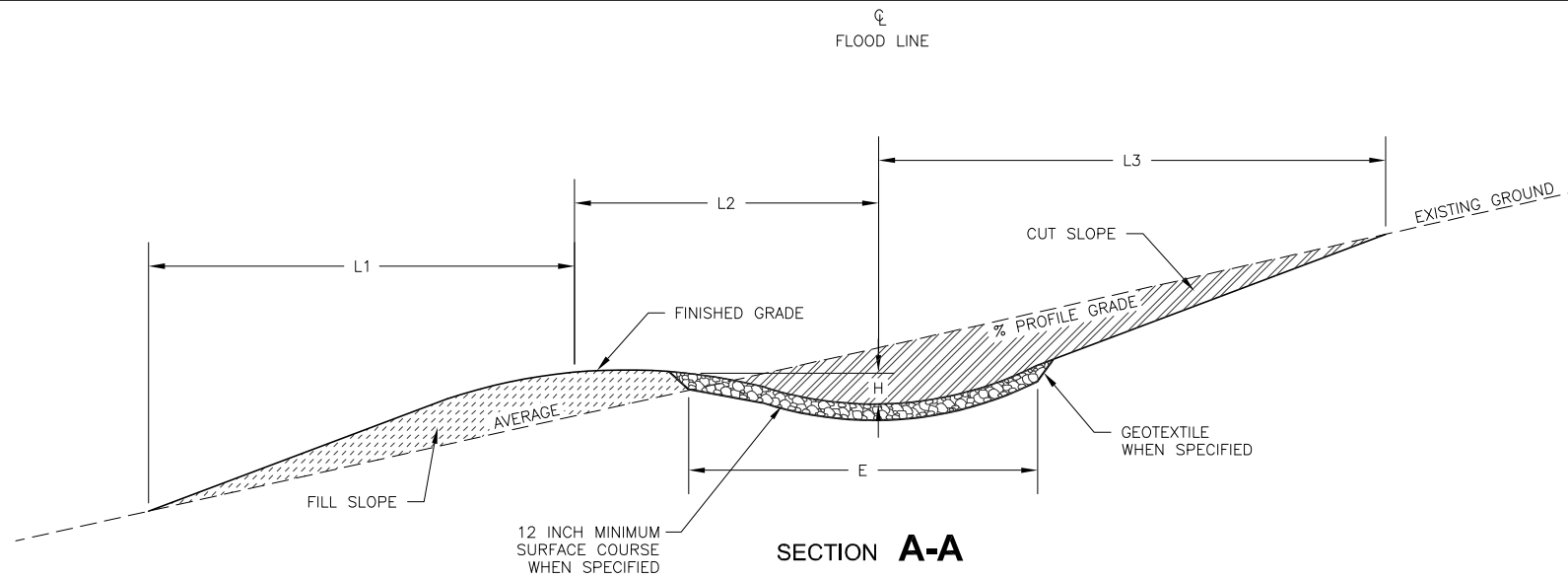
**XX/XX/XX**

**NO SCALE**

DRAWING NO.

SHEET

OF



NOTE: ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS  
(NOTE IMPERIAL NOT METRIC UNITS)

SHEET 2 OF 2

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME

**DRAIN DIP DETAILS**

SECTION

**927 - DRAIN DIPS**

TYPICAL ID

**DD2**

REVISION DATE

**NO SCALE**

DRAWING NO.

SHEET

OF

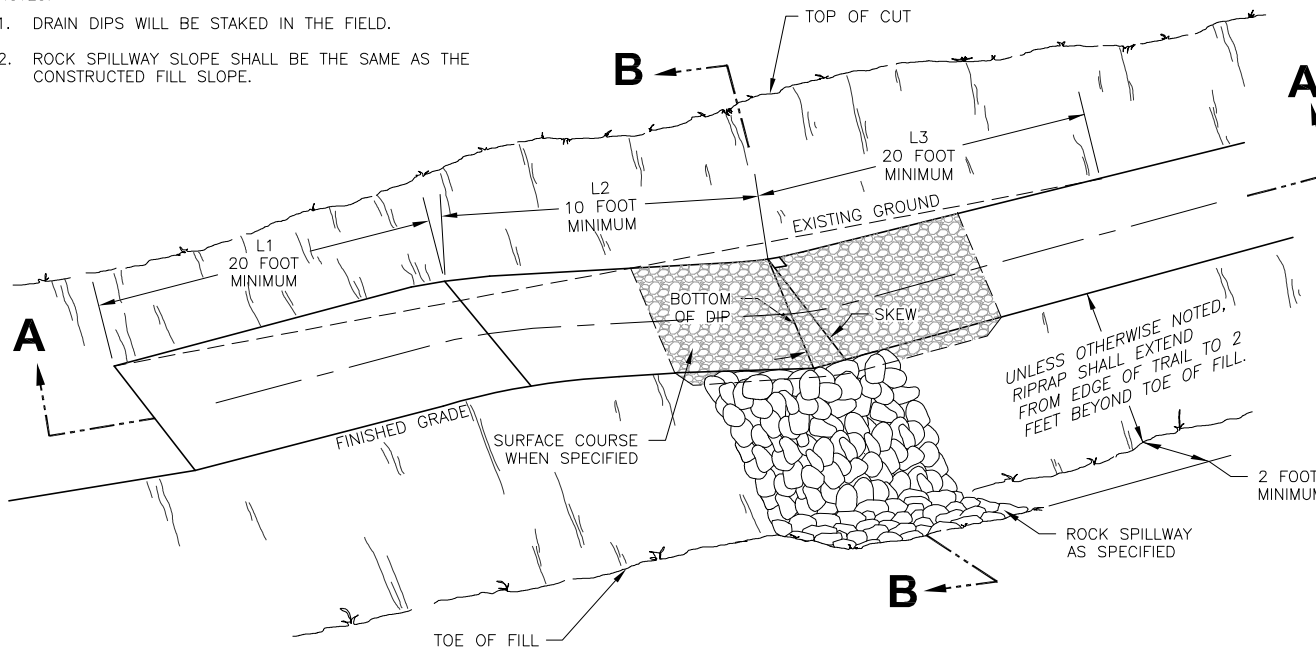
# DRAIN DIP SECTION

TYPICAL ID	DRAIN DIP TYPE	GEOTEXTILE TYPE	SKEW	SURFACE COURSE		ROCK SPILLWAY***	COMMENTS
				TYPE	DEPTH		
DD1-1	DD	G		S			

N/A WHEN NOT APPLICABLE  
 \*\*\*FOR ROCK SPILLWAY SEE SHEET STD\_923-10-01

## NOTES:

- DRAIN DIPS WILL BE STAKED IN THE FIELD.
- ROCK SPILLWAY SLOPE SHALL BE THE SAME AS THE CONSTRUCTED FILL SLOPE.



## GEOTEXTILE TYPE

TYPE	MATERIAL	COMMENTS
G1	NON-WOVEN	
G2	WOVEN	
G3		

## SURFACE COURSE MATERIAL TYPE

TYPE	MATERIAL	GRADATION	COMMENTS
S1			
S2			
S3			

## DRAIN DIP CONSTRUCTION DIMENSIONS

DRAIN DIP TYPE	% PROFILE GRADE	L1	L2	L3	(H)	(E)
DD1	0 TO 4					
DD2	5 TO 6					
DD3	7 TO 8					
DD4	9 TO 10					
DD5						

OVER 10% NOT RECOMMENDED  
 H =  $\frac{1}{2}$  OF TREAD

NOTE: ADAPTED FROM USFS STANDARD TRAIL COMBINED PLANS  
 (NOTE IMPERIAL NOT METRIC UNITS)

SHEET 1 OF 2

STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME

**DRAIN DIP**

SECTION

**927 - DRAIN DIPS**

TYPICAL ID

**DD1**

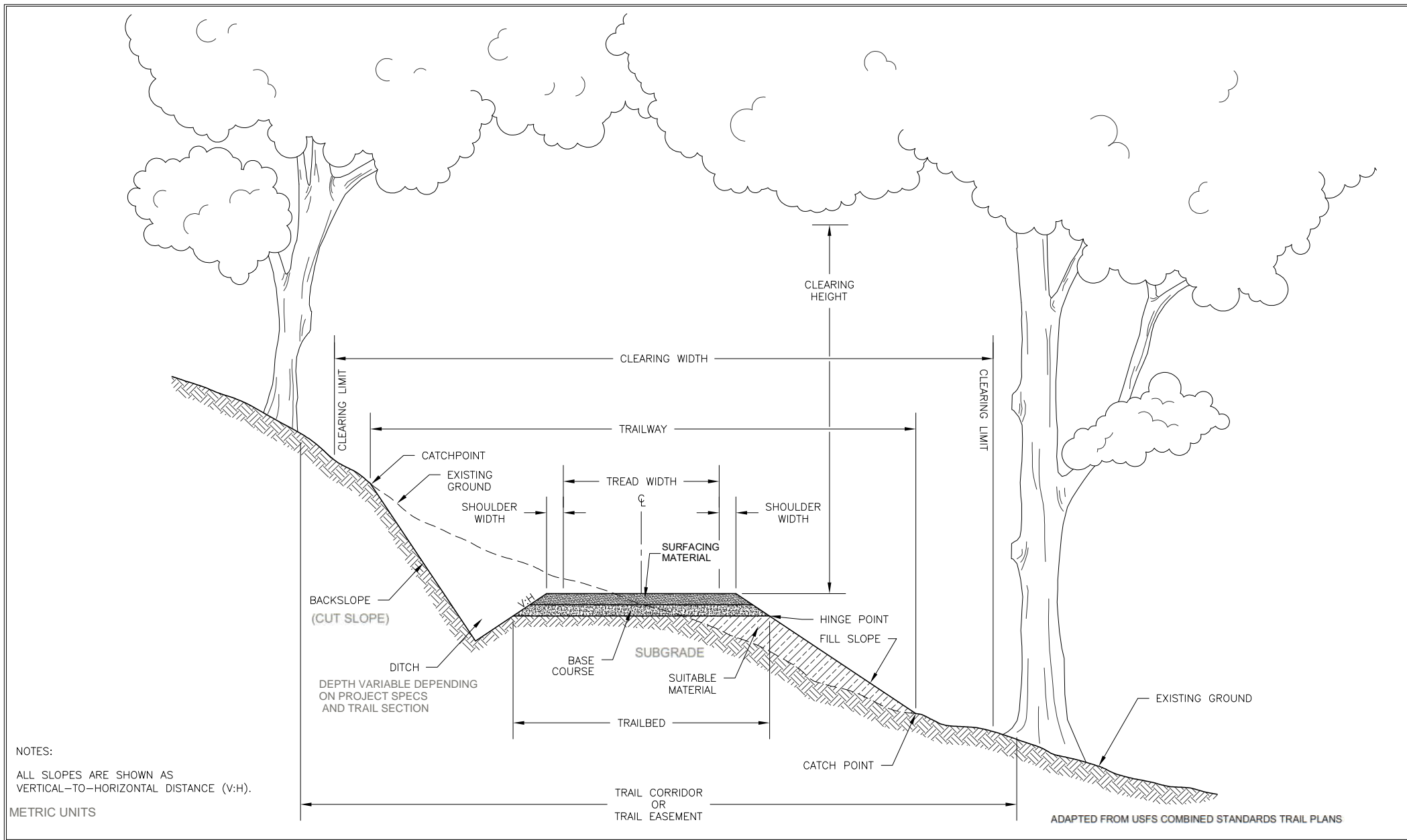
REVISION DATE

**NO SCALE**

DRAWING NO.

SHEET

OF



## STANDARD TRAIL PLAN

PROJECT NAME & LOCATION

DRAWING NAME

## STANDARD TRAIL TERMS

SECTION

TYPICAL ID

REVISION DATE

XX/XX/XX

NOT TO SCALE

DRAWING NO.

SHEET

OF