

MINIMUM LENGTH OF DOWNSTREAM COVERAGE *(L)						
Water Velocity (Meters Per Second)						
	00 0.31 mps	0.31 - 0.62 mps	0.62 - 0.93 mps	>0.93 mps		
	(00) - 1.0 fps)	(1.0 -2.0 fps)	(2.0 - 3.0 fps)	(>3.00 fps		
Fines Mostly Sand	1.2 m	2.4 m	3.7 m	4.9 m		
Fines Mostly Silt	2.4 m	4.9 m	7.3 m	9.8 m		
And Clay						

* Actual Length Of Downstream Coverage Will Also Depend On Partical Size Distribution Of Sediment Fines And The Amount Of Upstream Disturbance.

NOTES:

- 1. Securely Stake Upstream Edges And Centers To Streambed With Wooden Or Metal Stakes And Rocks As Needed.
- 2. Overlap The Trailing Edge Of Upstream Mats Over The Leading Edge Of Downstream Mats By At Least 150 mm, Overlap Sides Of Adjoining Mats A Minimum Of 150 mm.

SEDIMENT MAT

GENERAL NOTES:

The Construction, Adjustment, Maintenance, And Upgrading Of These Erosion Control Measures Is The responsibility Of The Contractor For The Duration Of The Project.

Erosion Control Measures Shown On This Plan Are For Anticipated Site Conditions. Adjust Or Upgrade These Measures For Unexpected Storm Events To Ensure That Sediment And Sediment-Laden Water Does Not Leave The Site.

Develop A Revised Plan Of The Erosion Control Measures Shown As Required By Section 00280, Oregon Standard Specifications For Construction. Implement This Plan For All Clearing And Grading Activities And In Segments Applicable To Each Staging Phase. Construct In Such A Manner So As To Ensure That Sediment And Sediment-Laden Water Does Not Enter The Roadway Or Drainage System, Or Violate Applicable Water Standards.

Install Measures Within The Right Of Way Unless Directed Otherwise.

Install Stabilized Construction Entrances At The Beginning Of Construction And Maintain For The Duration Of The Project. Additional Measures May Be Required To Insure That All Paved Areas Are Kept Clean.

Construct Sediment Fence 1.5 Meters (5 Feet) Downslope From The Toe Of Fill Slopes Where Sediment-Laden Water Has A Potential Of Entering Waterways Or Leaving The R/W.

Protect All Inlets During Surface Grinding, Paving, And Earthwork Operations To Prevent Pollutants From Entering Storm Water Systems.

STANDARD DRAWINGS

Construction Entrance RD1005 Check Dam

RD1010 Inlet Protection Type 1,2,3

Inlet Protection Type 4 RD1015 Inlet Protection Type 5 RD1020

RD1025 Sediment Barrier Type 1 RD1030 Sediment Barrier Type 2.4

RD1035 Sediment Barrier Type 3 RD1040 Sediment Fence Supported/Unsupported

RD1045 Temporary Slope Drain RD1050 Temporary Scour Basin

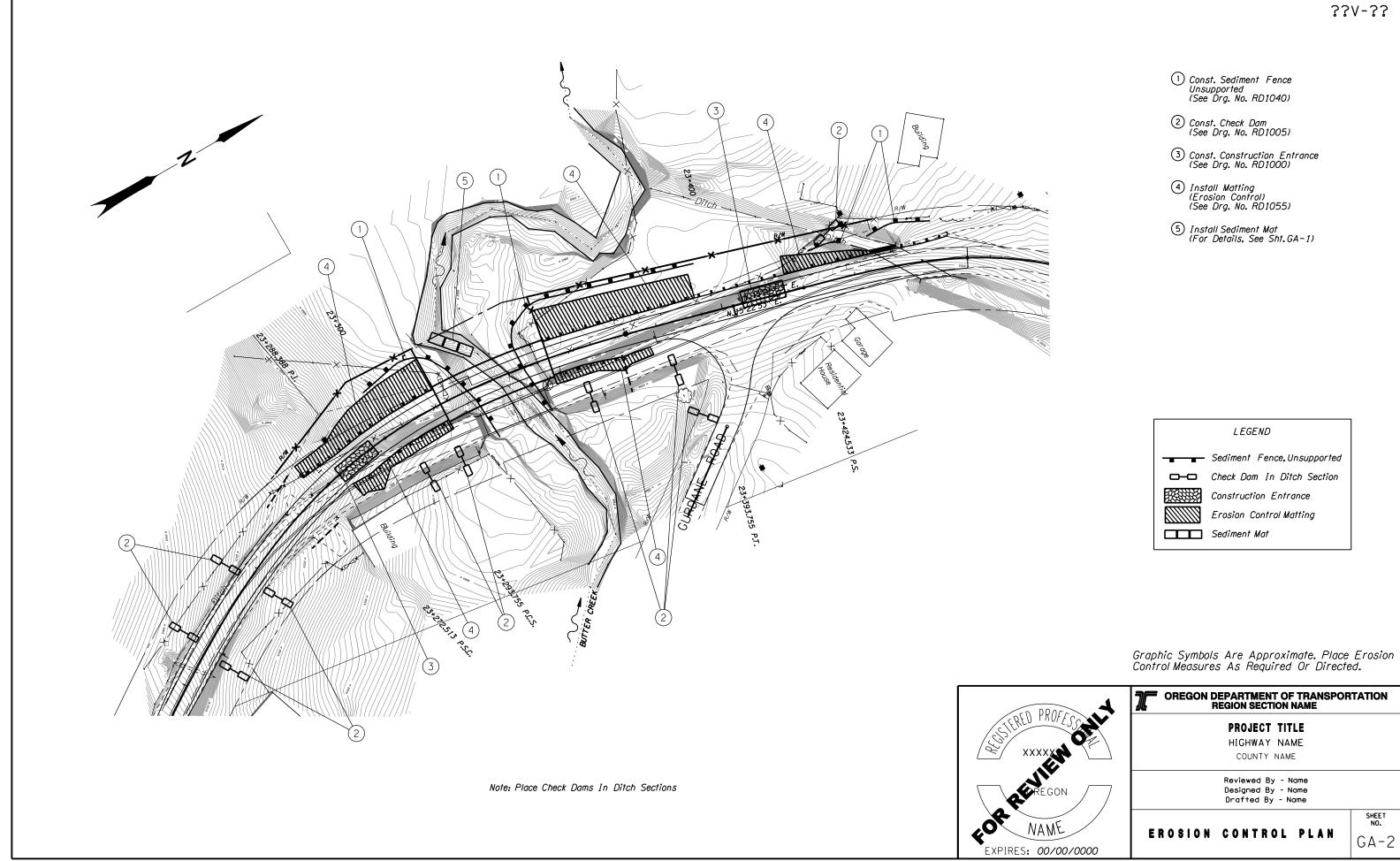
RD1055 Matting

RD1060 Tire Wash Type 1 Graphic Symbols Are Approximate. Place Erosion Control Measures As Required Or Directed.



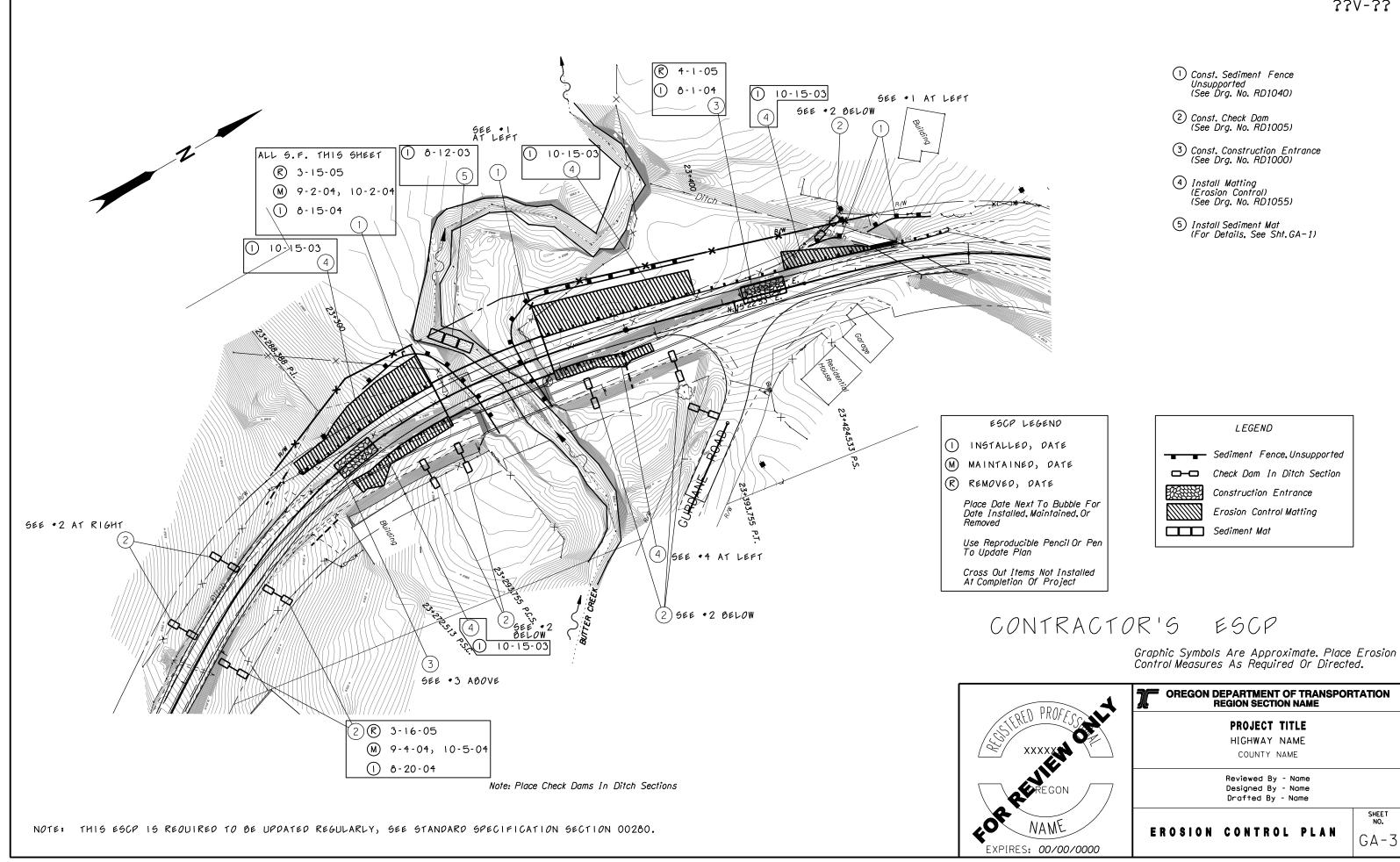
OREGON DEPARTMENT OF TRANSPORTATION REGION SECTION NAME PROJECT TITLE HIGHWAY NAME COUNTY NAME Reviewed By - Name Designed By - Name Drafted By - Name SHEET NO. EROSION CONTROL DETAILS

GA-1



SHEET NO.

hwye78l



CONCEPT PLANS INFORMATION ONLY

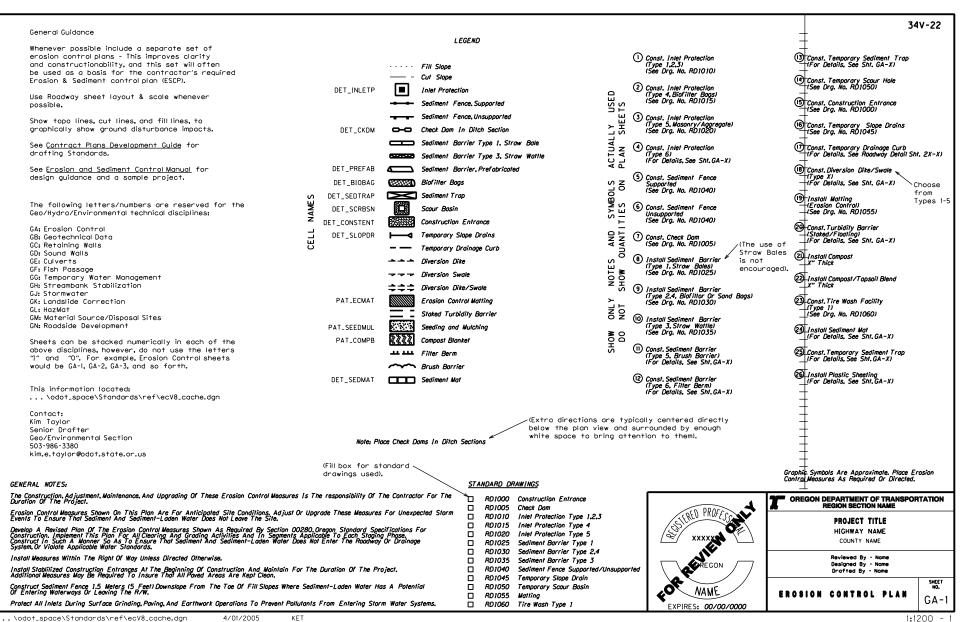
Erosion control plan sheet drafting template ("cache" file).

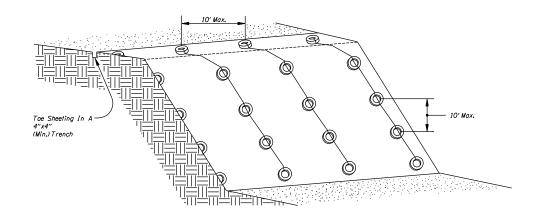
A PPROVED DESIGN IMPORMATION ONLY

PRELIMINARY COPY) (ADVANCE COPY) (PLANS IN HAND) (FINAL REVIEW) SUBJECT TO CHANGE

SUBJECT TO CHANGE

PLANS





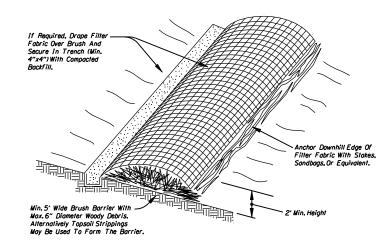
- Notes:
 1. Overlap Seams A Minimum of 12" And
 Weight Down Using Sandbogs, Tires, Or Equivalent.
- 2. Provide Energy Dissipation At Toe When Needed.

PLASTIC SHEETING

This detail is shown for information only. Design use and modification is the responsibility of the user.

Oregon Department of Transportation

PLASTIC SHEETING



SEDIMENT BARRIER TYPE 5, BRUSH

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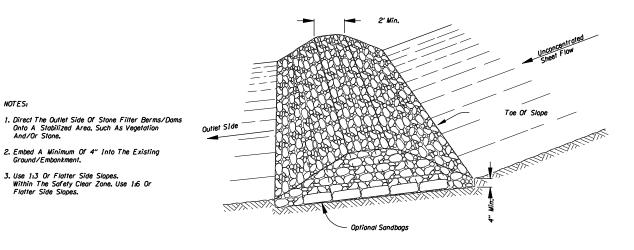
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SEDIMENT BARRIER

NOTES:

2. Embed A Minimum Of 4" Into The Existing Ground/Embankment.

3. Use 1:3 Or Flatter Side Slopes. Within The Safety Clear Zone. Use 1:6 Or Flatter Side Slopes.



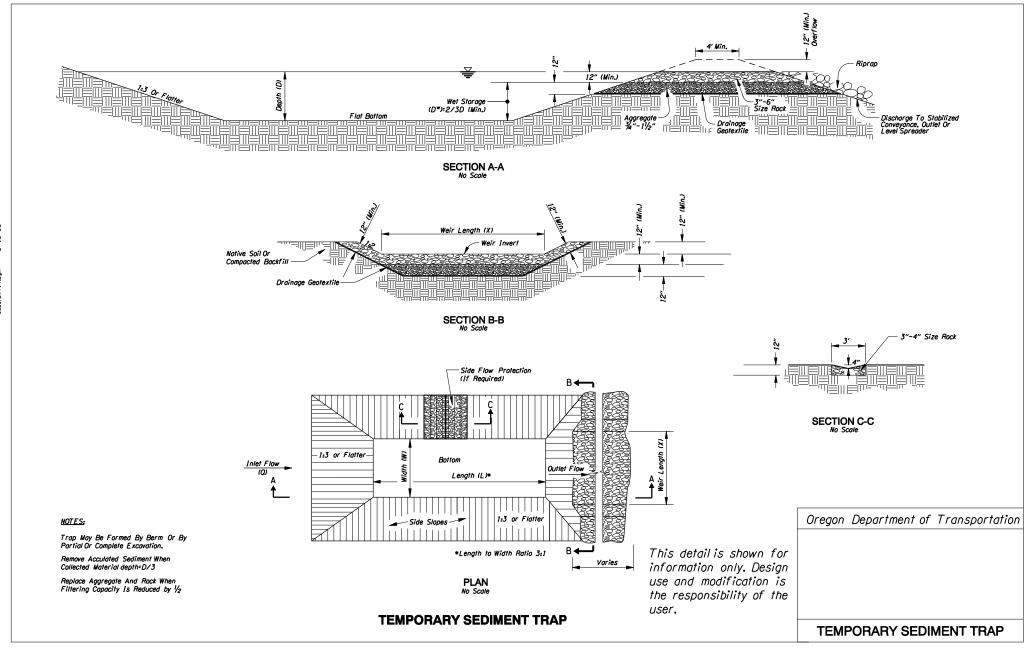
FILTER BERM AT TOE OF SLOPE

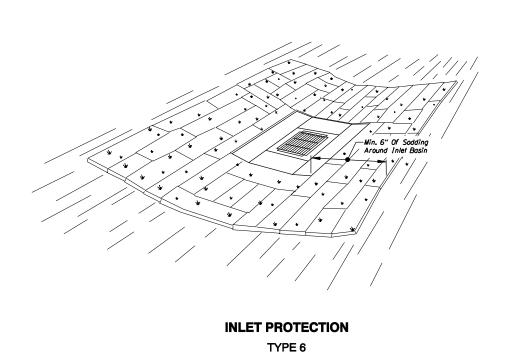
SEDIMENT BARRIER TYPE 6, FILTER BERM

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SEDIMENT BARRIER

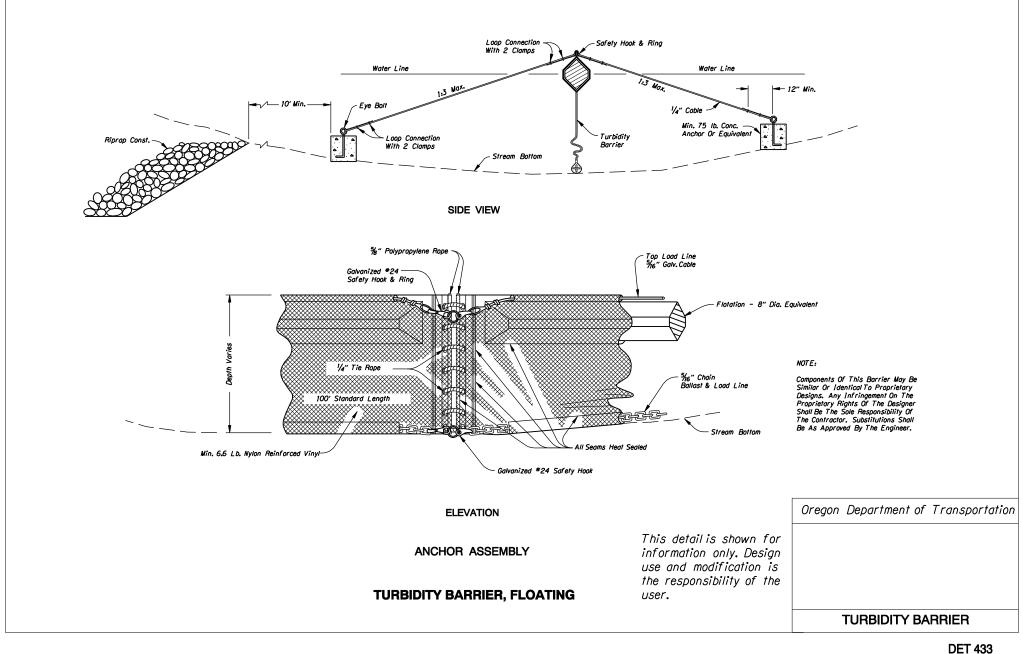


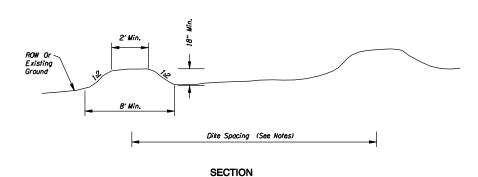


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INLET PROTECTION

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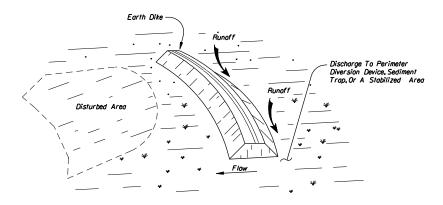


Notes:

- 1. Compact Dike Material To 95% Modified Proctor.
- Maximum 5% Grade With Positive Drainage To A Suitable Outlet (Such As A Sedimentation Trap).

Dike Spacing

Slope	Spacing	
3-5%	300′	
5-10%	200,	
10-25%	100'	
25-50%	50′	

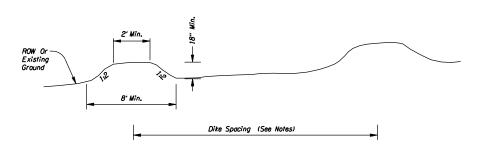


DIVERSION DIKE

TEMPORARY DIVERSION DIKE TYPE 1

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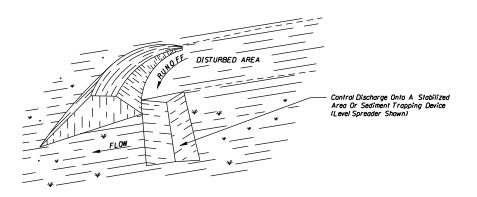
SECTION

Notes:

- 1. Compact Dike Material to 95% Modified Proctor.
- Maximum 5% Grade With Positive Drainage To A Suitable Outlet (Such As A Sedimentation Trap).

Dike Spacing

Slope	Spacing
3-5%	300′
5-10%	200 '
10-25%	100'
25-50%	50′

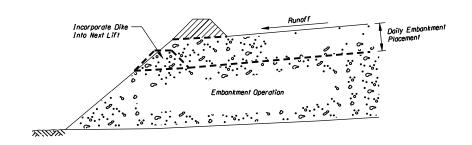


PERIMETER DIKE

TEMPORARY DIVERSION DIKE TYPE 2

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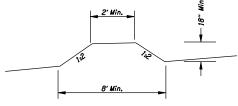
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EMBANKMENT SECTION

Notes:

1. Compact dike material to 95% Modified Proctor. (90% Of Standard Proctor.)



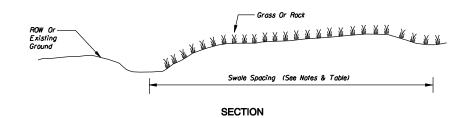
DIKE SECTION

TEMPORARY DIVERSION DIKE TYPE 3

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TEMPORARY DIVERSION DIKE



Swale Spacing

Slope	Spacing
3-5%	300 ′
5-10%	200,
10-25%	100'
25-50%	50′

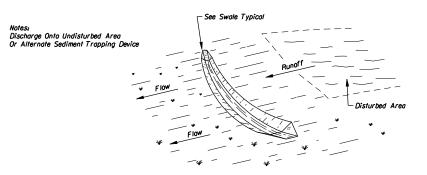
Notes:

Bottom Width = 24" Minimum at a 0% grade.

Depth = 12" Minimum

Side Slope = 1:2 Or Flatter

Grade = Maximum 5 Percent With Positive Drainage To A Suitable Outlet (Such As Sedimentation Pond)

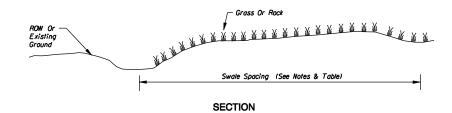


DIVERSION SWALE

TEMPORARY DIVERSION SWALE
TYPE 4

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Notes:

Bottom Width = 24" Minimum at a 0% grade.

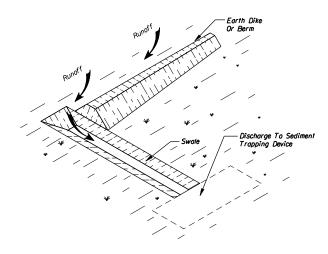
Depth = 12" Minimum

Side Slope = 1:2 Or Flatter

Grade = Maximum 5 Percent With Positive Drainage To A Suitable Outlet (Such As Sedimentation Pond)

Swale Spacing

Slope	Spacing
3-5%	300′
5-10%	200 <i>'</i>
10-25%	100'
25-50%	50 <i>'</i>

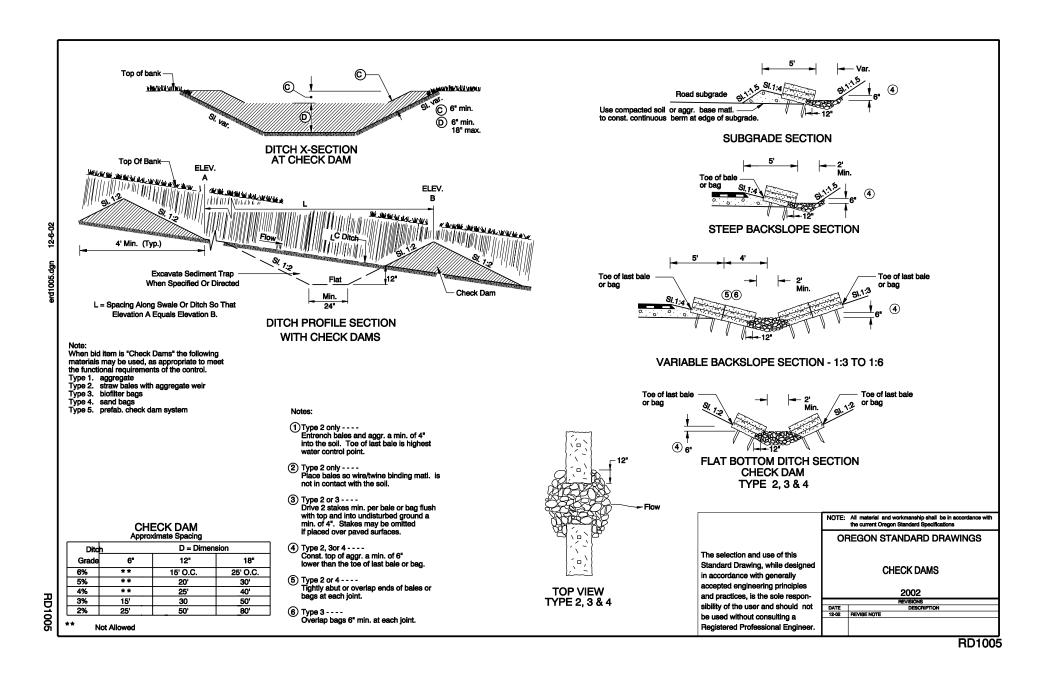


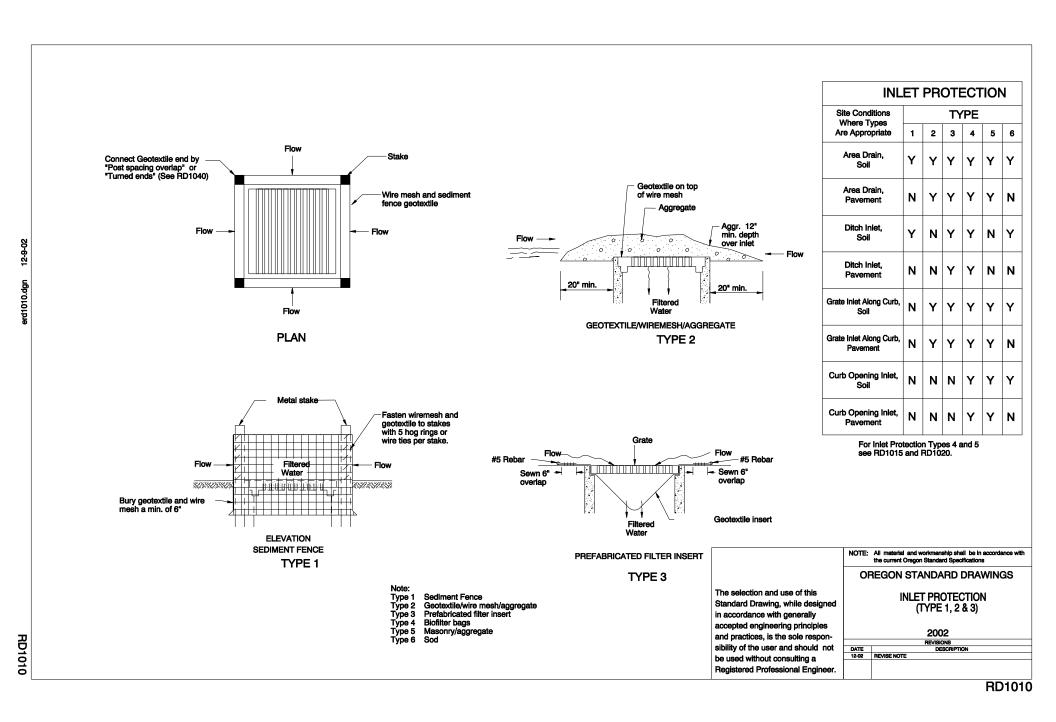
DIVERSION SWALE

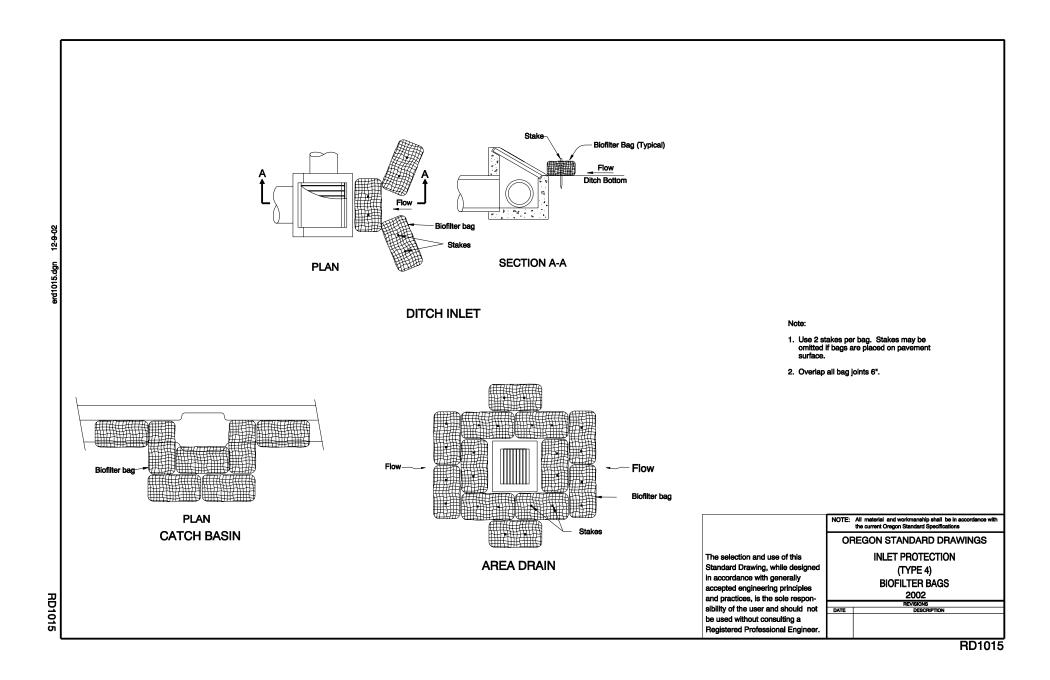
TEMPORARY DIVERSION SWALE TYPE 5

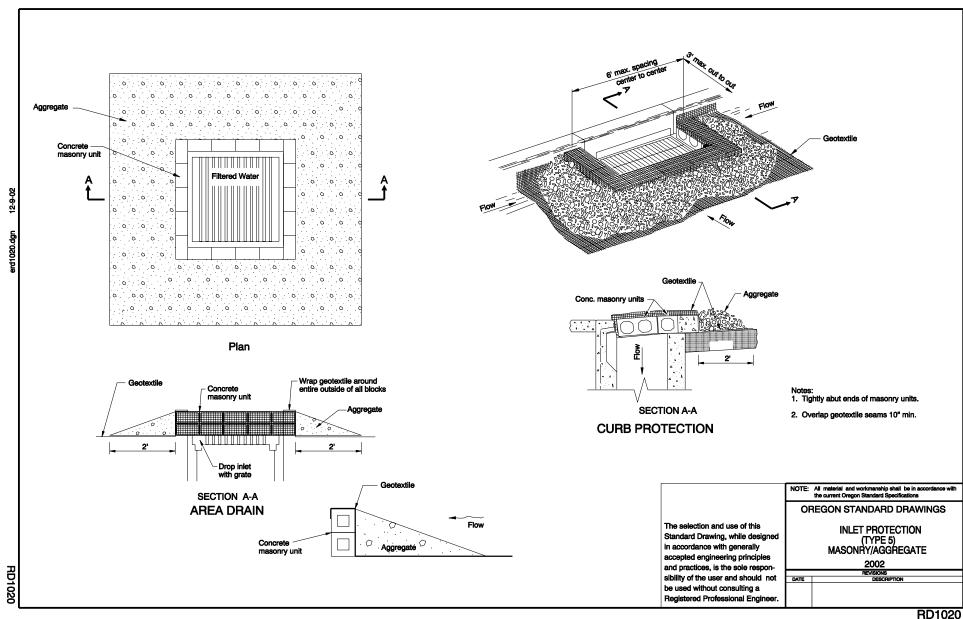
This detail is shown for information only. Design use and modification is the responsibility of the user.

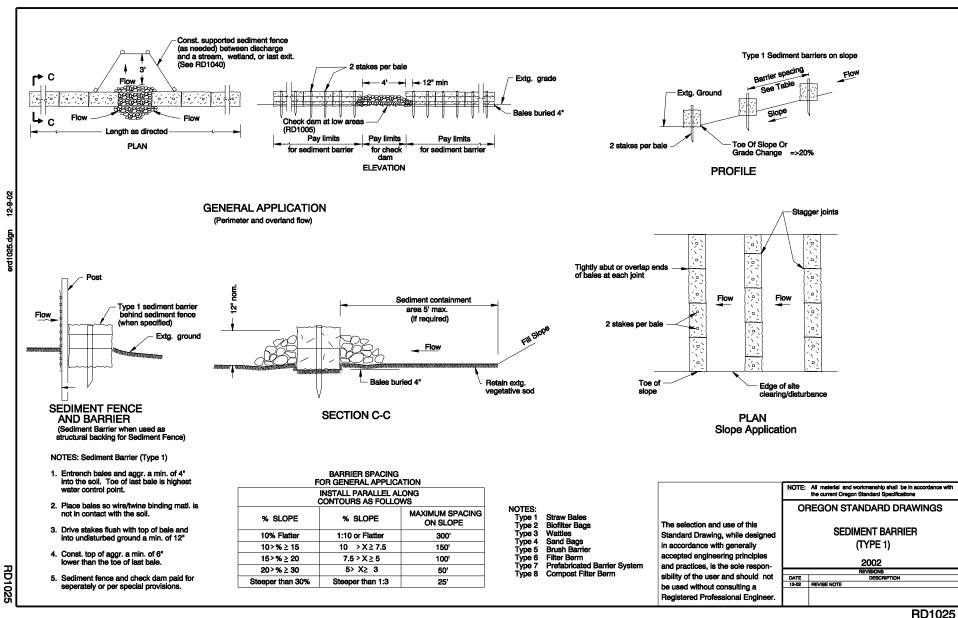
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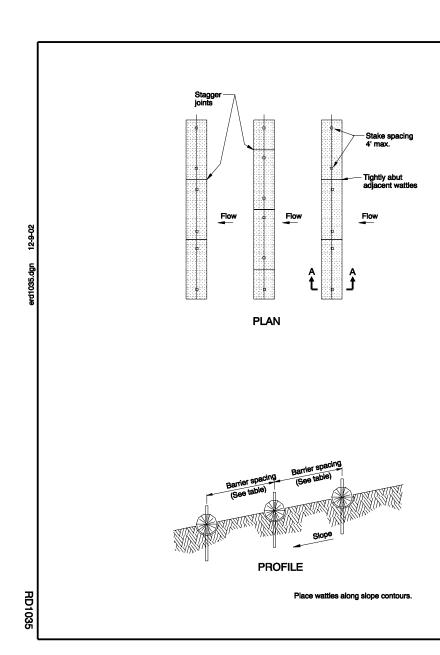


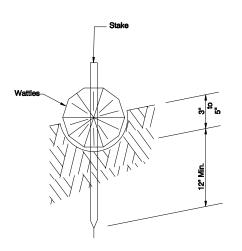




sibility of the user and should not

be used without consulting a Registered Professional Engineer. DATE





SECTION A-A

BARRIER SPACING FOR GENERAL APPLICATION

INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS			
% SLOPE	% SLOPE	MAXIMUM SPACING ON SLOPE	
10% Flatter	1:10 or Flatter	300'	
10 >% ≥ 15	10>X ≥7.5	150'	
15>%≥20	7.5 > X ≥ 5	100'	
20>%≥30	5 > X <u>≥</u> 3	50'	
Steeper than 30%	Steeper than 1:3	25'	

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

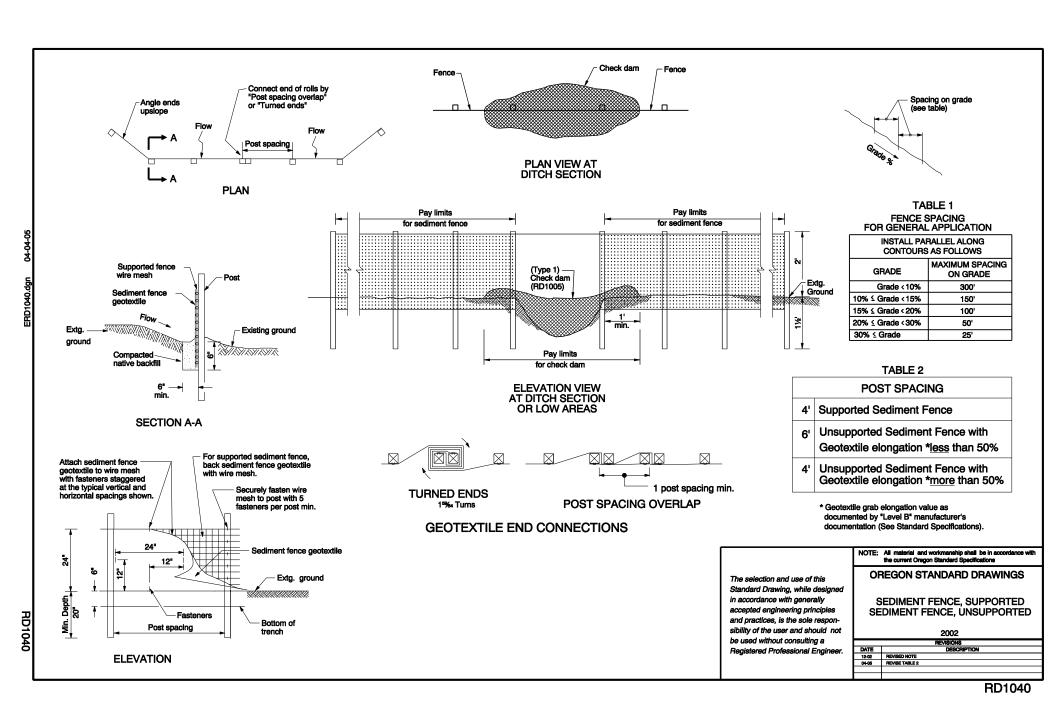
SEDIMENT BARRIER
(TYPE 3)

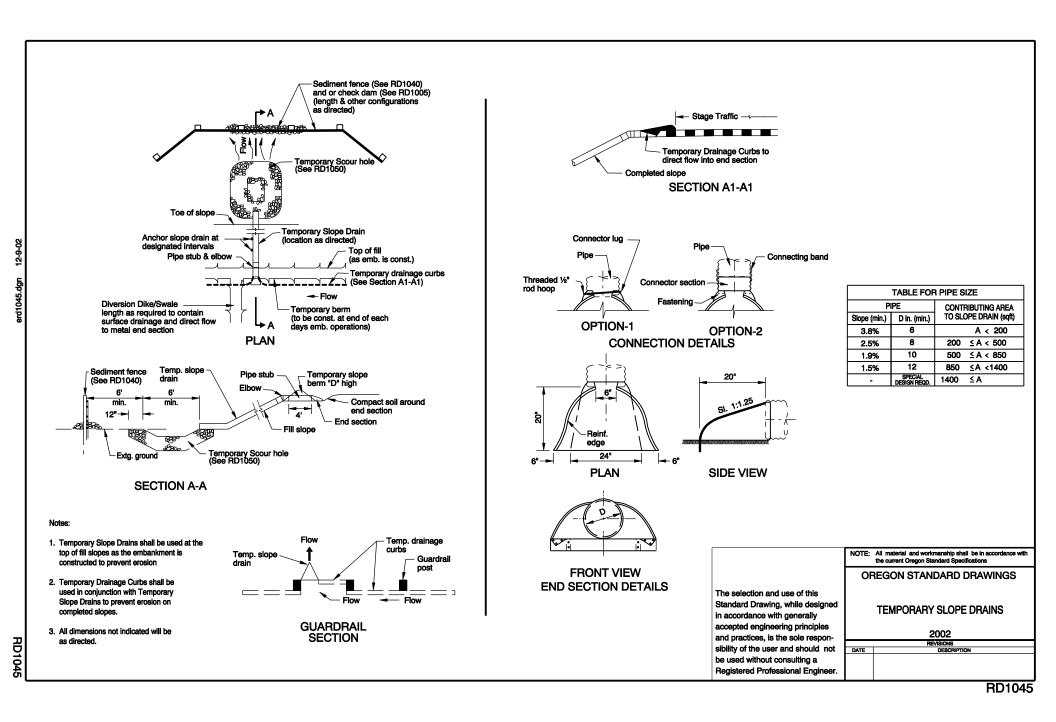
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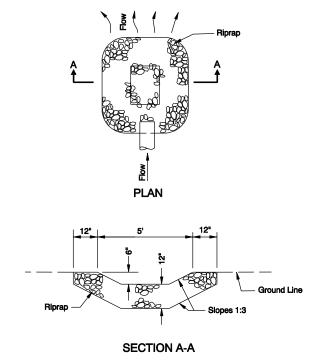
REVISIONS

DATE DESCRIPTION

REVISE NOTE







NOTES:

All dimensions not indicated will be as directed.

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

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