

The First 3 Paragraphs Of General Notes Are Applicable To All Erosion Control Plans. Use And Add Others As Appropriate.

**GENERAL NOTES: HORIZONTAL GENERAL NOTE VERSION**

The Implementation Of These Erosion Control Plans And The Construction, Maintenance, Replacement And Upgrading Of These Facilities Are The Responsibility Of The Contractor Until All Construction Is Completed And Approved.

Develop A Revised Plan Of The Erosion Control Facilities Shown In Accordance With The Requirements Of Sec. 00.280, Supplemental Standard Specifications. This Plan Must Be Constructed In Conjunction With All Clearing And Grading Activities. Construct In Such A Manner As To Insure That Sediment And Sediment-Laden Water Does Not Enter The Drainage System, Roadway, Or Violate Applicable Water Standards. Construct Controls In Segments Applicable To Each Staging Phase.

The Erosion Control Facilities Shown On This Plan Are The Minimum Requirements For Anticipated Site Conditions. During The Construction Period, These Facilities Shall Be Upgraded For Unexpected Storm Events And To Insure That Sediment And Sediment-Laden Water Do Not Leave The Site.

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

Install Supported Silt Fence With A Backing Of Straw Bale Sediment Barrier. (For Details, See Sht. XX)

Construct Silt Fence At The Toe Of Fill Slopes, In Areas Where Sediment-Laden Water Has A Potential Of Entering Waterways Or Leaving The R/W.

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- ① Inst. Erosion Control Matting (For Details, See Sht. XX)
- ② Const. Supported Silt Fence (For Details, See Sht. XX)
- ③ Const. Unsupported Silt Fence (For Details, See Sht. XX)
- ④ Const. Straw Bale Sediment Barrier (For Details, See Sht. XX)
- ⑤ Const. Inlet Protection (For Details, See Sht. XX)
- ⑥ Const. Aggregate Check Dams (For Details, See Sht. XX)
- ⑦ Const. Aggregate Construction Entrance (For Details, See Sht. XX)
- ⑧ Const. Biofilter Bag Barrier (For Details, See Sht. XX)
- ⑨ Inst. Sand Bags (For Details, See Sht. XX)
- ⑩ Const. Temp. Drainage Curb (For Details, See Sht. XX)
- ⑩ Const. Temp. Slope Drains (For Details, See Sht. XX)
- ⑩ Const. Temp. Sediment Trap (For Details, See Sht. XX)
- ⑩ Const. Temp. Scour Holes (For Details, See Sht. XX)

**Erosion Control Cache is Available**  
 @ <ftp://ftp.odot.state.or.us/techserv/contractplans/roaddesign/cpdguide>

**OREGON DEPARTMENT OF TRANSPORTATION**  
 GEO/HYDRO SECTION

**EROSION CONTROL CACHE**

SHEET NO.

**LEGEND**

- Fill Slope
- Cut Slope
- Direction Of Flow
- Inlet
- Inlet Protection
- Supported Silt Fence
- Unsupported Silt Fence
- ⊥ Check Dam In Ditch Section
- ⊥ Check Dam/Supported Silt Fence Pipe Inlet Barrier
- ⊥ Check Dam/Supported Silt Fence (Last Exit)
- Straw Bale Sediment Barrier
- Sediment Trap
- Scour Basin
- Aggregate Const. Entrance
- Bio Bags
- Temporary Slope Drains
- Diversion Dike
- Diversion Swale
- Diversion Dike/Swale

LC=sup sed fence\_v8

LC=unsup sed fence\_v8

LS=New #1

LS=New #2

LS=New #3

NORMAL GENERAL NOTE VERSION

ABOVE TITLE BLOCK GENERAL NOTE VERSION

DO NOT SHOW QUANTITIES ON PLAN SHEETS SHOW ONLY NOTES AND SYMBOLS ACTUALLY USED

**LEGEND**

- Fill Slope
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- Direction Of Flow
- Inlet
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- Bio Bags
- Temporary Slope Drains
- Diversion Dike
- Diversion Swale
- Diversion Dike/Swale

REGISTERED PROFESSIONAL ENGINEER XXXX

OREGON JULY 15, 1994

JOEL B. SIMAR Expires Dec. 31, 2006

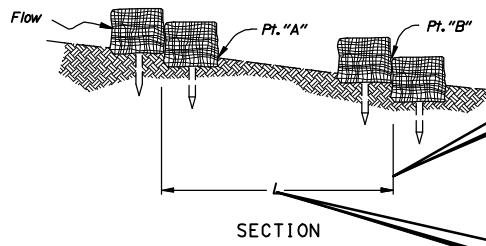
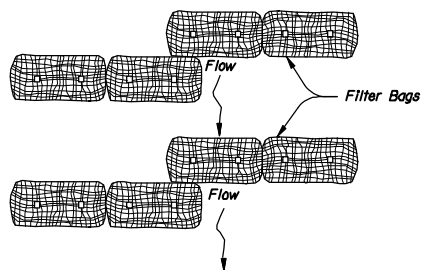
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SUBJECT TO CHANGE  
SEE FILE FOR  
REVISIONS

The Geo/Hydro Unit Will Need The Following Information For O.D.O.T. To Prepare The Erosion Control Plan:

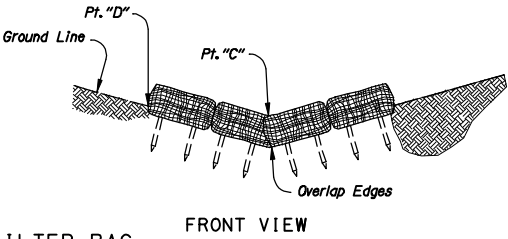
- Cut And Fill Lines & Topog.
- % Slope
- Drainage Patterns Shown
- % Grades

Erosion Control Plans Development Packet Available. Contact Geo/Hydro Unit At (503)986-3365 As Needed For Assistance.

Advance Copy Block Stored In The Reference File KEYNUF.NAM.  
AC=Advance  
Use ODOT.CEL Cell Library.



**DIMENSION AND EXTENSION LINES:**  
CO=3  
LC=0  
WT=1



**DIMENSION AND EXTENSION LINE TEXT:**  
FT=24 TX=7.5  
CO=3  
LS=5 LC=0  
JUST=CC WT=2

**DETAIL VIEW TEXT:**  
FT=4  
TX=9.4 CO=3  
LS=6 WT=2  
JUST=CC

**NOTE TEXT:**  
FT=24  
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LS=5 WT=2  
JUST=LT

BIO-FILTER BAG  
SEDIMENT BARRIER

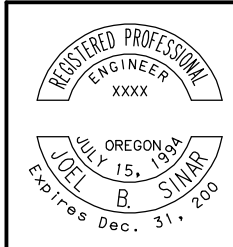
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JUST=CC

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TX=9.4 CO=3  
LS=6 WT=2  
JUST=LT

**SHEET TITLE TEXT:**  
Obtain Text From keynu.nam, LV=16

- NOTES:
1. Embed Bags 4" To 6" Into Ground.
  2. Drive Stakes Min. 12" Into Ground.
  3. Space Bags (L) So Points "A" And "B" Are Of Equal Elevation. Max. Spacing Of 12".
  4. Place Bags So Pt. "D" Is 6" Higher Than Pt. "C".

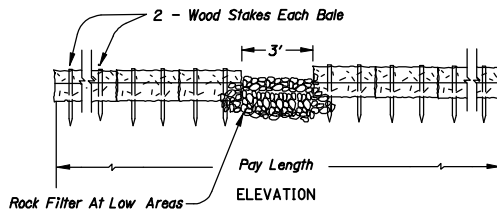
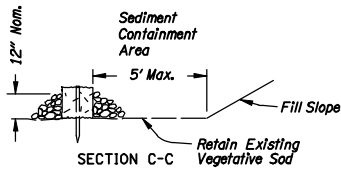
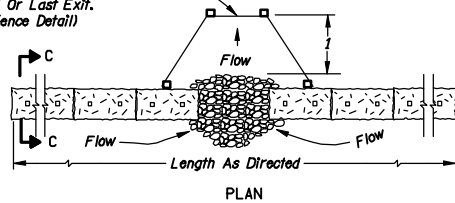
See Supplemental Standard Specifications Section 280 For Details Not Shown



<b>OREGON DEPARTMENT OF TRANSPORTATION</b> GEO/HYDRO SECTION	
<b>EROSION CONTROL DETAILS</b>	
<b>EROSION CONTROL PLAN</b>	SHEET NO.

# STRAW BALE / GRANULAR DRAIN MATERIAL SEDIMENT BARRIERS

Construct Slit Fence As Needed Between Discharge And A Stream Or Wetland Or Last Exit. (See Slit Fence Detail)

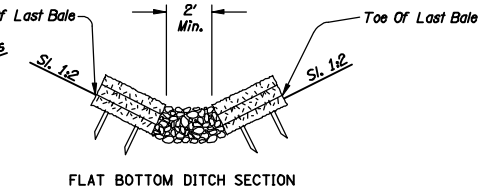
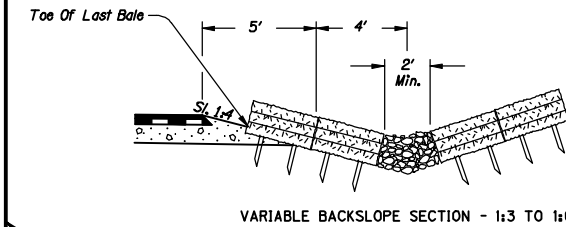
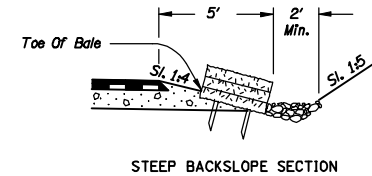
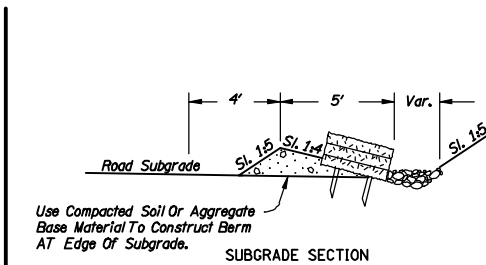


## GENERAL APPLICATION

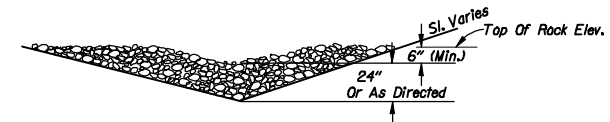
(Perimeter And Overland Flow)

**NOTES:**

1. Entrench Bales And Aggregate A Min. Of 4" Into The Soil. Toe Of Last Bale Is Highest Water Control Point.
2. Place Bales So Wire/Twine Binding Material Is Not In Contact With The Soil.
3. Drive Stakes Flush With Top Of Bale And Into Undisturbed Ground A Min. Of 1'.
4. Const. Top Of Aggregate A Min. Of 6" Lower Than The Toe Of Last Bale.
5. See Standard Supplemental Specifications Section 280 For Details Not Shown



**SEPARATION LINE:**  
CO=3  
LC=0  
WT=5



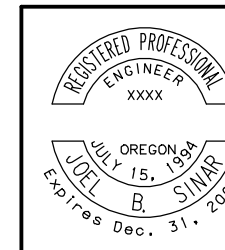
In Ditch Sections, Granular Drain Backfill Material May Be Approved To Replace The Straw Bales As Directed

## DITCH APPLICATIONS

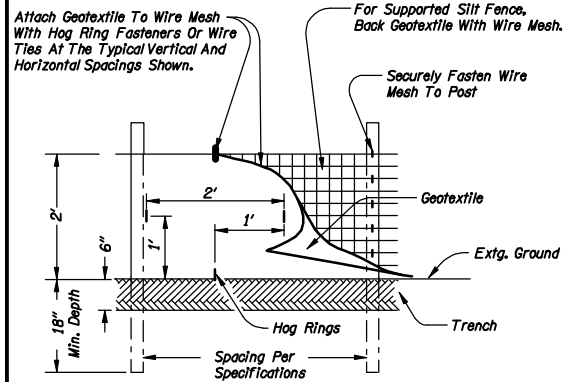
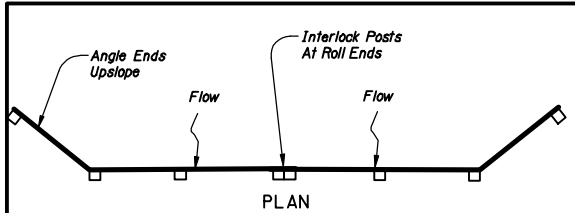
BARRIER SPACING	
GRADE	MAXIMUM SPACING
6%	25' O.C.
5%	30' O.C.
4%	40' O.C.
3%	50' O.C.
2%	80' O.C.

**TABLE:**  
CO=3  
LC=0  
WT=1 & 2

See Supplemental Standard Specifications Section 280 For Details Not Shown

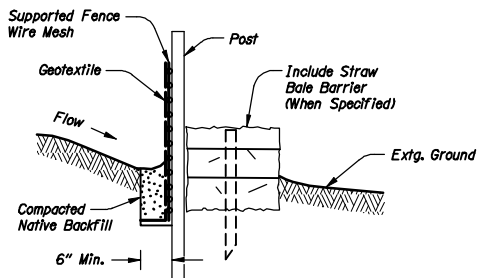


<b>OREGON DEPARTMENT OF TRANSPORTATION</b> GEO/HYDRO SECTION	
<b>EROSION CONTROL DETAILS</b>	
	SHEET NO.

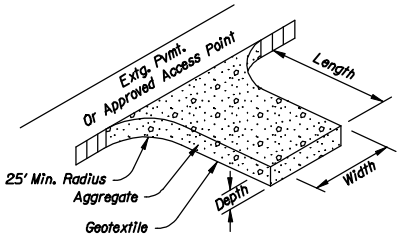


Install Along Contours As Follows:

SLOPE		MAXIMUM SPACING
Less Than 10%	300'	
Less Than 15%	415'	
Less Than 20%	100'	
Less Than 30%	50'	
Greater Than 30%	25'	

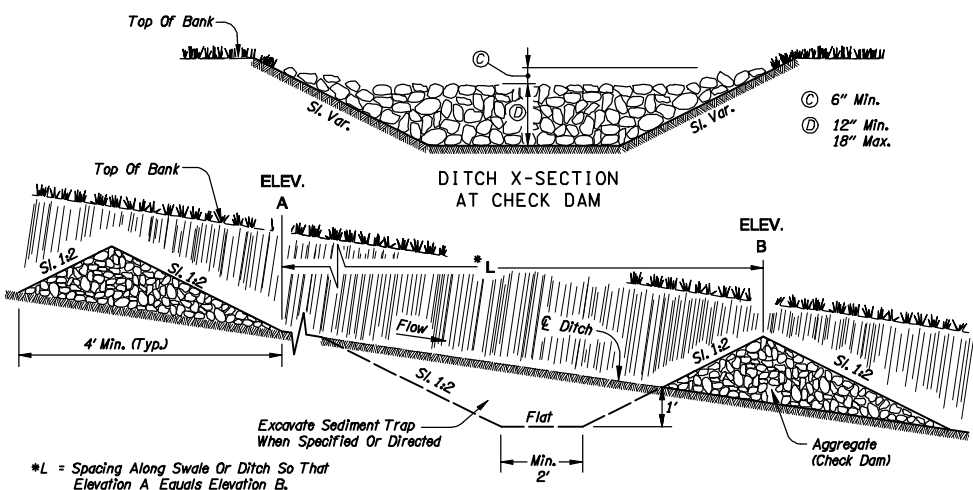


PROFILE  
FIELD FABRICATED SILT FENCE  
(Supported And Unsupported)



- NOTES:
- Length: 50' Min. - For Less Than 1 ac. Exposed Soil  
100' Min. - For Greater Than 1 ac. Exposed Soil
  - Width: 20' Min. - Full Width Of Ingress/Egress Minimum
  - Depth: 8" Min.

AGGREGATE CONSTRUCTION ENTRANCE



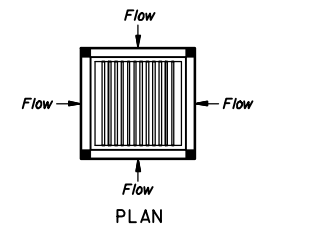
DITCH PROFILE SECTION  
CHECK DAM  
TYPE 1

Obtain Patterns From ODOT.CEL Cell Library Or From The Erosion Control Cache (See Page 7-1, Volume 2)

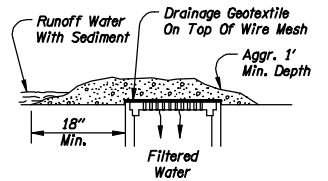
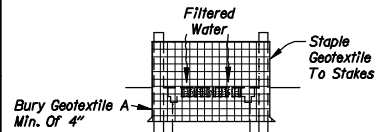
CHECK DAM  
Approximate Spacing

Ditch Grade	D = Dimension	
	12"	18"
6%	16' O.C.	25' O.C.
5%	20'	30'
4%	25'	40'
3%	33'	50'
2%	50'	80'

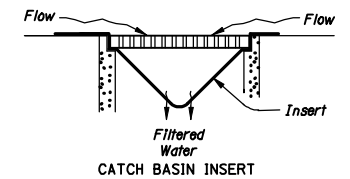
- NOTE:  
When Bid Item Is "Check Dam-Per Each" The Following Materials May Be Used, As Appropriate To Provide The Functional Requirements Of The Control.
- Aggregate (As Shown)
  - Straw Bales With Aggregate Wier
  - Bio-Filter Bags
  - Sand Bags
  - "Triangular Silt Dike" (Manufacturer Trade Name)



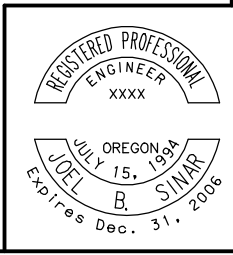
DROP INLET WITH GATE  
FRONT VIEW  
TYPE 1 INLET



TYPE 2 INLET



TYPE 3 INLET  
INLET PROTECTION



OREGON DEPARTMENT OF TRANSPORTATION  
GEO/HYDRO SECTION

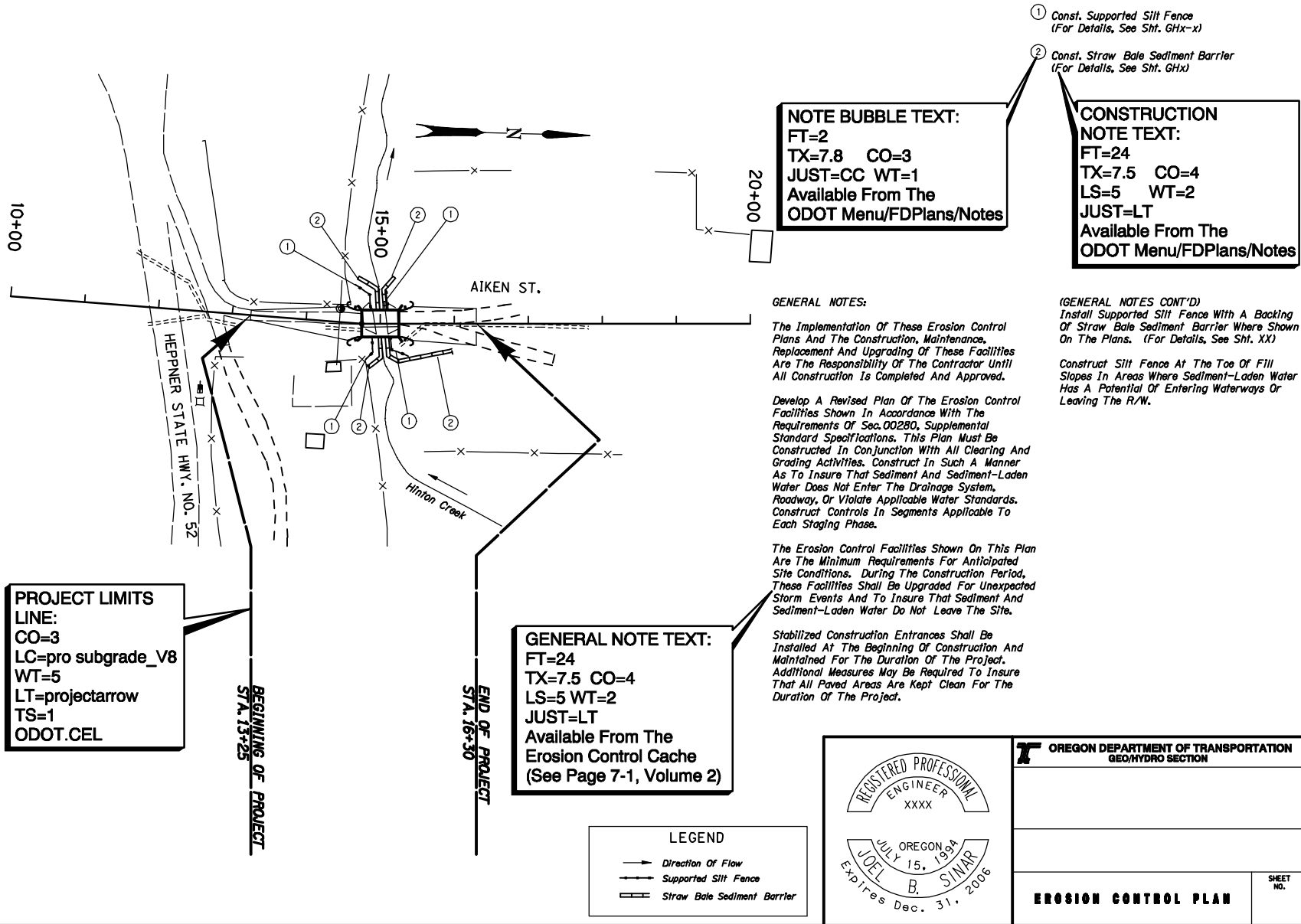
TYPE 3 INLET  
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EROSION CONTROL DETAILS

SHEET NO.

BRIDGE DETAILS CHECKED

8-5



**NOTE BUBBLE TEXT:**  
 FT=2  
 TX=7.8 CO=3  
 JUST=CC WT=1  
 Available From The  
 ODOT Menu/FDPlans/Notes

**CONSTRUCTION  
 NOTE TEXT:**  
 FT=24  
 TX=7.5 CO=4  
 LS=5 WT=2  
 JUST=LT  
 Available From The  
 ODOT Menu/FDPlans/Notes

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**(GENERAL NOTES CONT'D)**

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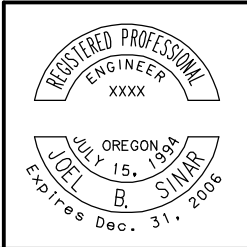
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**PROJECT LIMITS  
 LINE:**  
 CO=3  
 LC=pro subgrade\_v8  
 WT=5  
 LT=projectarrow  
 TS=1  
 ODOT.CEL

**GENERAL NOTE TEXT:**  
 FT=24  
 TX=7.5 CO=4  
 LS=5 WT=2  
 JUST=LT  
 Available From The  
 Erosion Control Cache  
 (See Page 7-1, Volume 2)

**LEGEND**

- Direction Of Flow
- Supported Silt Fence
- ▬ Straw Bale Sediment Barrier



**OREGON DEPARTMENT OF TRANSPORTATION  
 GEO/HYDRO SECTION**

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**EROSION CONTROL PLAN**

SHEET NO.

- ① Const. Supported Silt Fence  
Const. In Sections Appropriate For Protecting  
The Stream During Each Staging Phase  
(For Details, See Sht. GHx-x)
- ② Const. Unsupported Silt Fence  
(For Details, See Sht. GHx-x)

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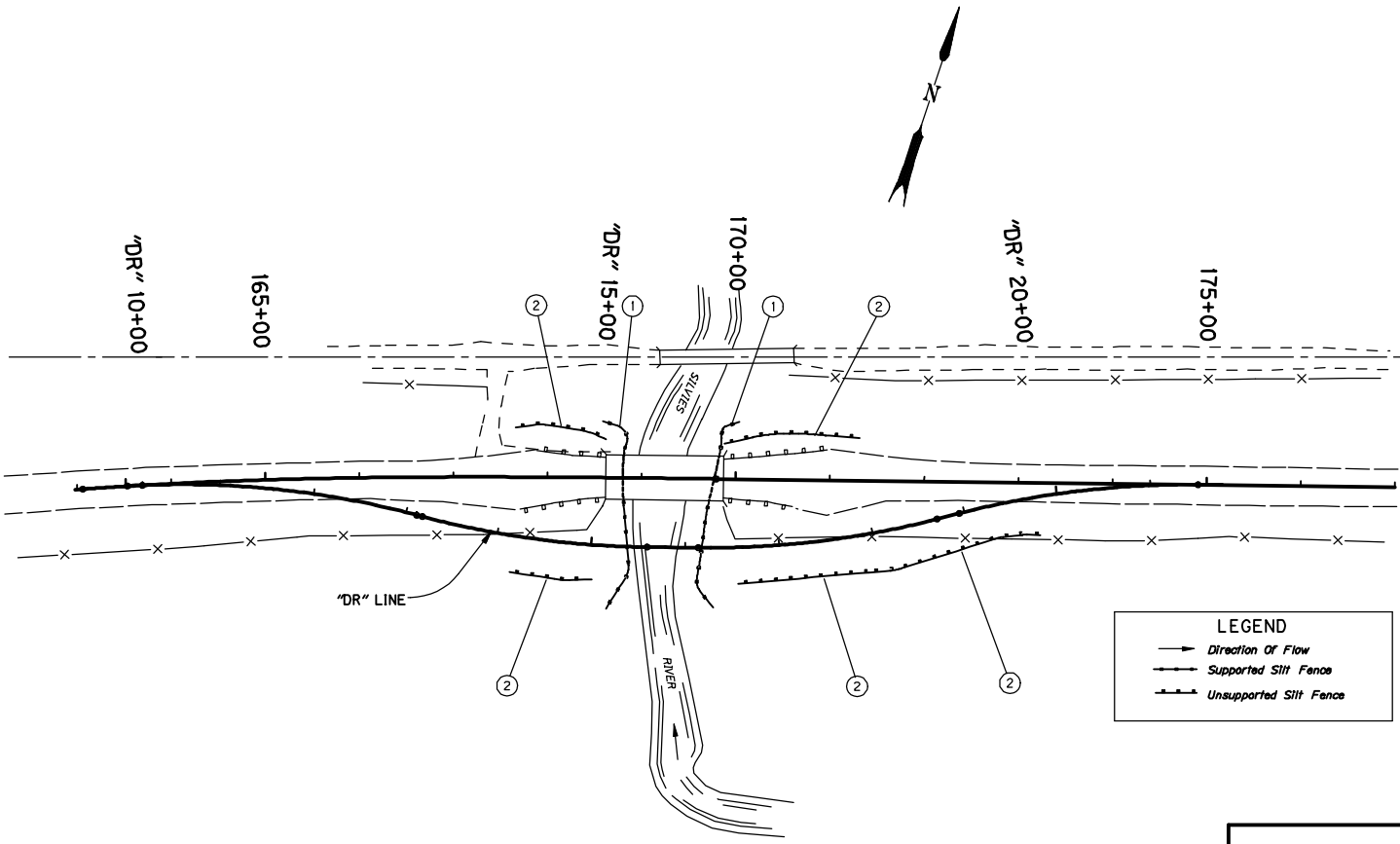
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**LEGEND**

- Direction Of Flow
- Supported Silt Fence
- - - Unsupported Silt Fence

**Aggregate Construction Entrances May Be Required In The General Permit. Show Them On The Erosion Control Plan When Necessary.**

REGISTERED PROFESSIONAL ENGINEER  
XXXX

JULY 15, 1964  
JOEL B. SYMAR  
Expires Dec. 31, 2005

**OREGON DEPARTMENT OF TRANSPORTATION**  
GEO/HYDRO SECTION

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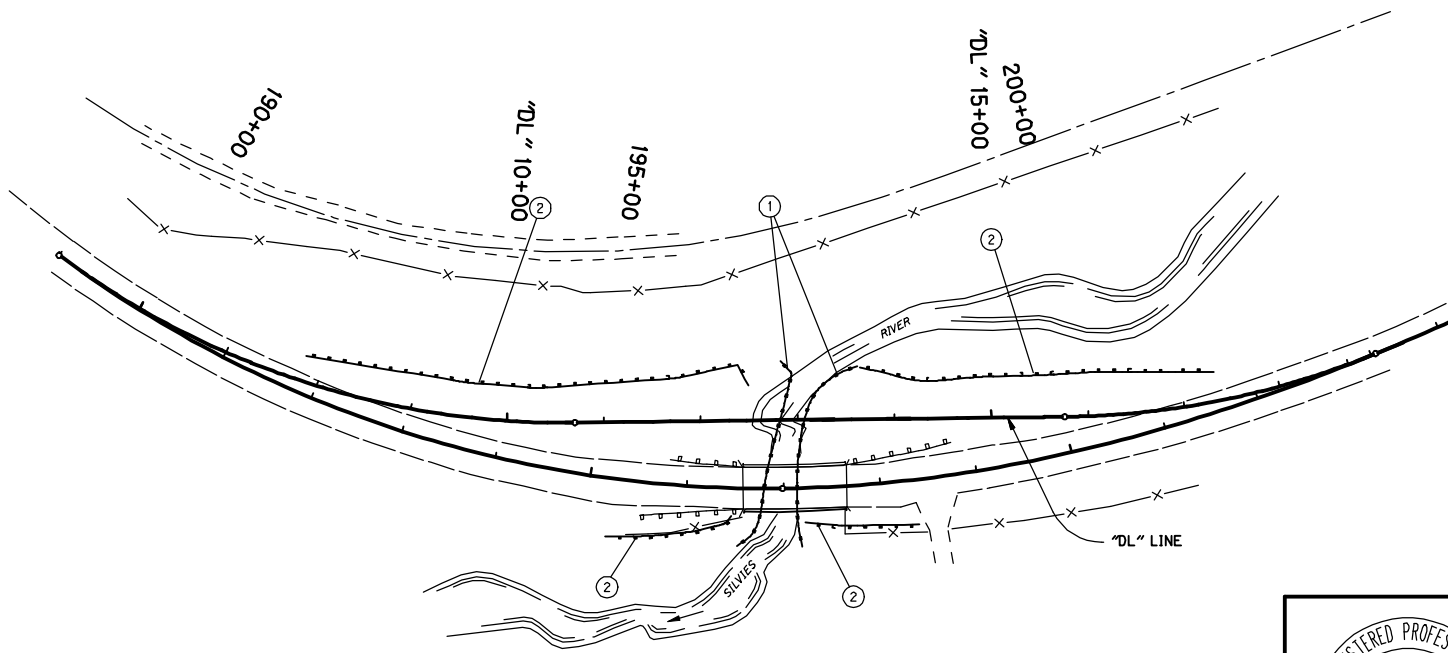
**EROSION CONTROL PLAN**

SHEET NO.

8-6

BRIDGE DETAILS CHECKED

8-7



- ① Const. Supported Silt Fence  
Const. In Sections Appropriate For Protecting  
The Stream During Each Staging Phase  
(For Details, See Sht. 2F-2)
- ② Const. Unsupported Silt Fence  
(For Details, See Sht. 2F-2)

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The R/W.

**LEGEND**

- Direction Of Flow
- Supported Silt Fence
- Unsupported Silt Fence

REGISTERED PROFESSIONAL  
ENGINEER  
XXXX

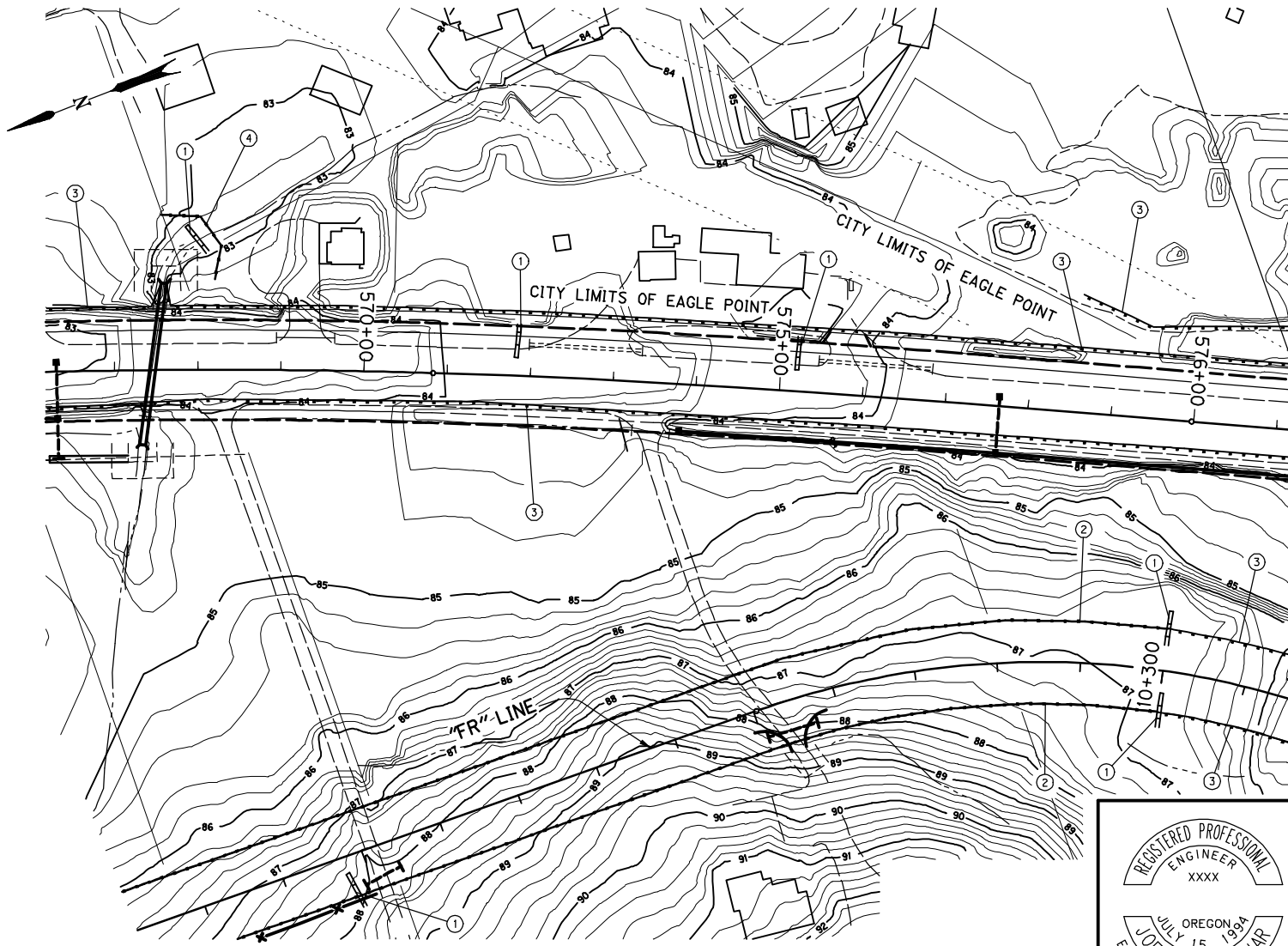
OREGON  
JULY 15, 1954  
B. STINAR  
Expires Dec. 31, 2006

**OREGON DEPARTMENT OF TRANSPORTATION**  
GEO/HYDRO SECTION

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**EROSION CONTROL PLAN**

SHEET NO.



- ① Const. Straw Bale Sediment Barrier
- ② From Sta. "FR" 105+00 To Sta. "FR" 125+00 Use Supported Silt Fence
- ③ Const. Unsupported Silt Fence
- ④ Const. Supported Silt Fence

**LEGEND**

- Supported Silt Fence
- Unsupported Silt Fence
- Straw Bale Sediment Barrier

**Erosion Control Plan Shown With Contours (Optional)**

REGISTERED PROFESSIONAL ENGINEER  
 JULY 15, 1994  
 JOEL B. SINAR  
 Expires Dec. 31, 2006

**OREGON DEPARTMENT OF TRANSPORTATION  
GEO/HYDRO SECTION**

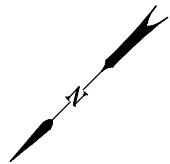
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**EROSION CONTROL PLAN**

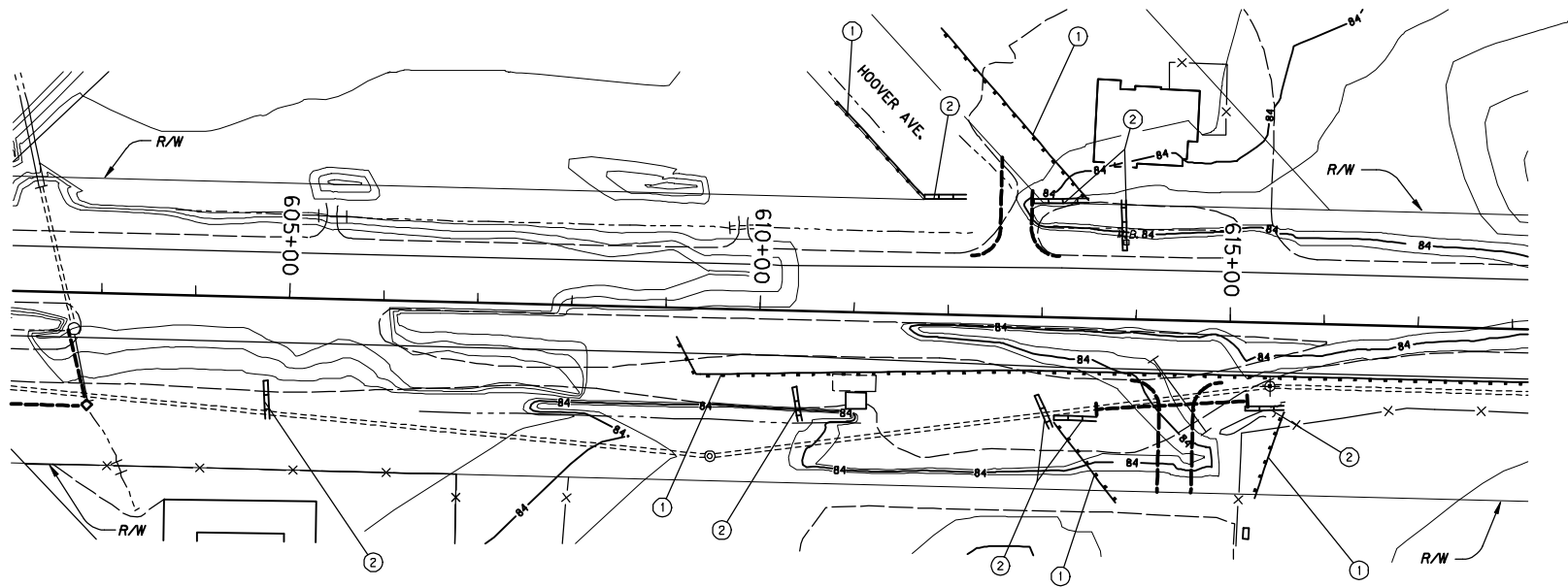
SHEET NO.

8-8





- ① Const. Unsupported Silt Fence
- ② Const. Straw Bale Sediment Barrier



**LEGEND**

— Unsupported Silt Fence

— Straw Bale Sediment Barrier

6-9

REGISTERED PROFESSIONAL  
ENGINEER  
XXXX

JULY 15, 1994  
OREGON  
JOEL B. SYMAR  
Expires Dec. 31, 2006

**OREGON DEPARTMENT OF TRANSPORTATION**  
GEO/HYDRO SECTION

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**EROSION CONTROL PLAN**

SHEET  
NO.