

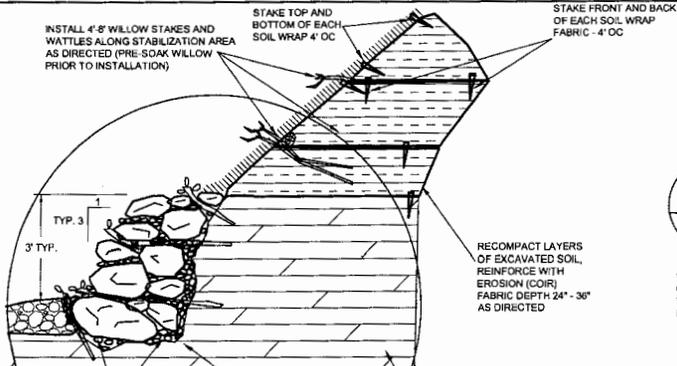
Name: EUGENE EAST  
 Date: 6/13/2012  
 Scale: 1 inch equals 2000 feet

Location: 044° 02' 12.1" N 123° 07' 06.0" W  
 Caption: Figure 1: Location Map

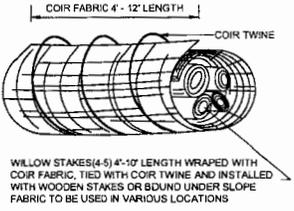




# DETAILS

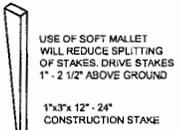


**TOE OF BANK DETAIL**

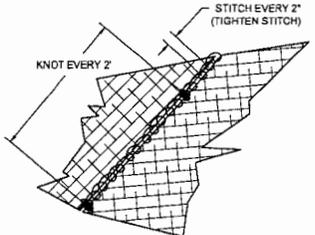


**WATTLE DETAIL**

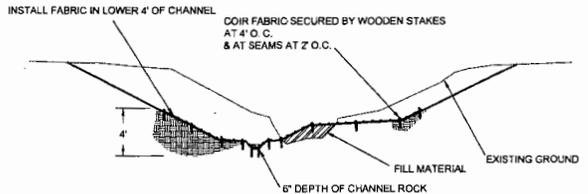
- NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS SHALL HAVE MAXIMUM SOIL CONTACT.
  2. FABRIC SHALL BE STITCHED TOGETHER TO CREATE ONE INTEGRAL UNIT. USE COIR TWINE AS HEAVY OR HEAVIER THAN THE FABRIC.
  3. FABRIC IS TO HAVE STITCHES NO FURTHER THAN 2" APART. TWINE IS TO BE TIED AND KNOTTED EVERY 2'.
  4. IF STITCHING IS NOT USED, OVERLAP FABRIC 3'.
  5. LAY MATS LOOSELY AND STAKE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
  6. ALONG OUTER EDGE, FOLD FABRIC UNDER 6" AND STAKE 2' O.C.
  7. INSTALL FABRIC VERTICALLY UP AND DOWN SLOPE.



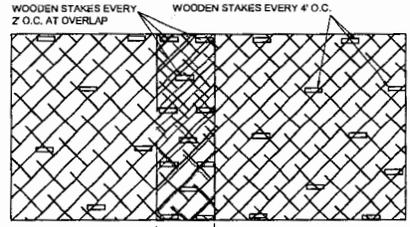
**STAKE DETAIL**



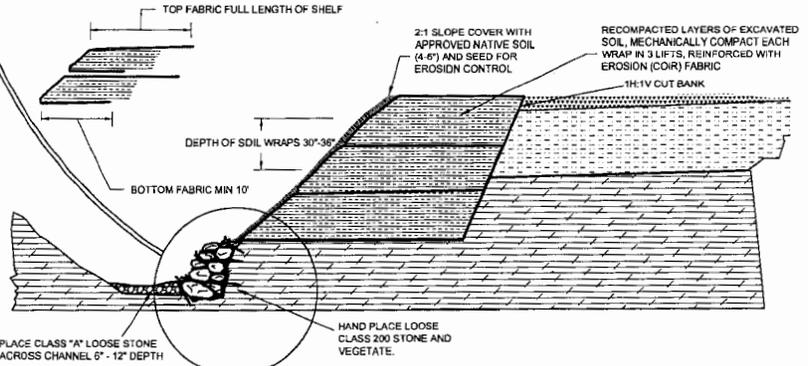
**FABRIC STITCH SEAM DETAIL**



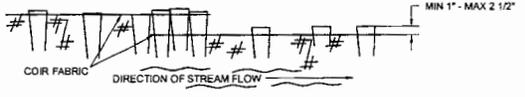
**FABRIC STAKING DETAIL**



**FABRIC OVERLAP SEAM DETAIL**



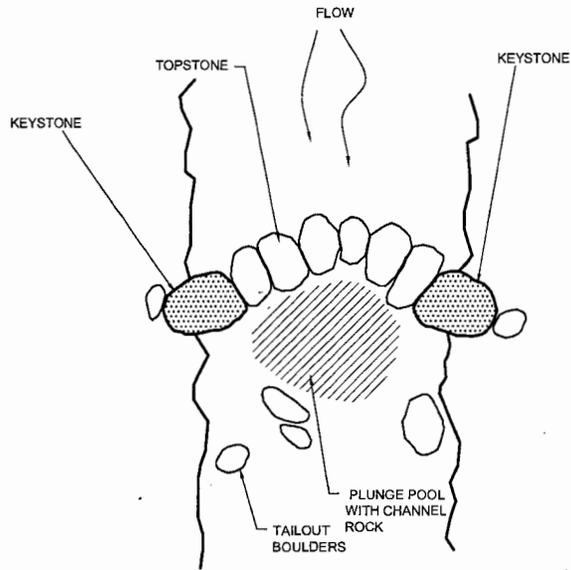
**BANK STABILIZATION ELEVATION VIEW**



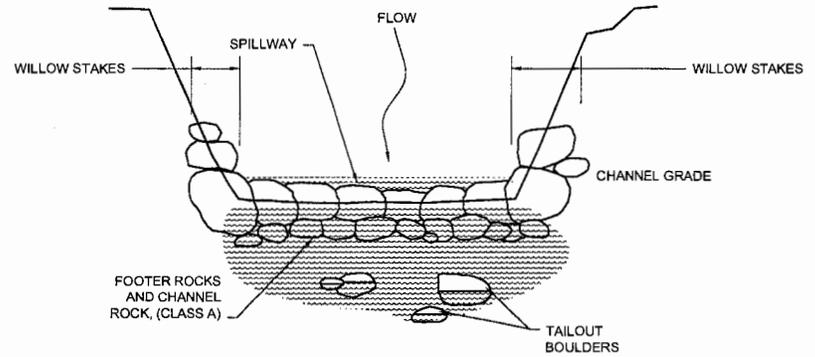
**REVIEW  
60%  
SET**

DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	PROJECT NO.	REV.	DATE	DESCRIPTION	BY
9/25/2012	NTS	TRC	SMS	DAS	4672				
AMAZON CREEK STABILIZATION DETAILS									
CITY OF EUGENE, OREGON DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION									
MAD33/NGVD23									

# DETAILS



**BOULDER STEP STRUCTURE PLAN**  
NTS



**BOULDER STEP STRUCTURE SECTION**  
(LOOKING UPSTREAM)  
NTS

DATE	DESIGNED BY	CHECKED BY	PROJECT NO.
9/29/2013	MS	MS	4672
DATE	REV	DESCRIPTION	BY

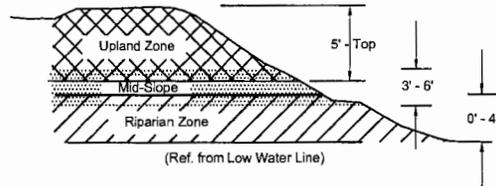
AMAZON CREEK STABILIZATION  
DETAILS

CITY OF  
Tulsa  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION

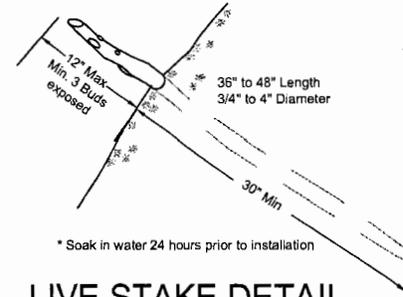


**REVIEW  
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SET**

# VEGETATION DETAILS



**TYPICAL SLOPE SECTION**  
NTS



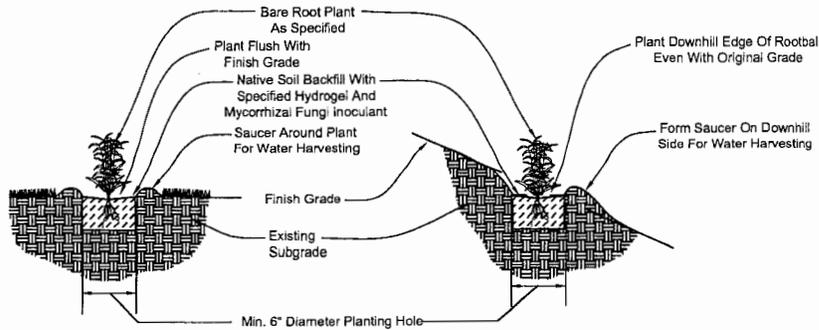
\* Soak in water 24 hours prior to installation

**LIVE STAKE DETAIL**  
NTS

ZONE	AREA SIZE	PLANTINGS	ZONE NOTES
Upland	All disturbed or exposed areas.	Seeding	Native mix per Specifications
Mid-slope	3' X 100' area	Nootka Rose - 100 Snowberry - 100	
Riparian	4' X 100' area	Oregon Ash 25 Redwig Dogwood 50 Nootka Rose 50 Piper's Willow 50 Douglas Spiraea 50	Plant Nootka Rose in Upper 1/2 of Zone Plant Oregon Ash Throughout Zone Plant Redwig Dogwood, Piper's Willow & Douglas Spiraea in Lower 1/2 of Zone

ZONE	AREA SIZE	PLANTINGS	ZONE NOTES
Upland	All disturbed or exposed areas.	Seeding	Native mix per Specifications
Mid-slope	3' X 4' (2 areas per outfall)	Nootka Rose - 10 Snowberry - 10	
Riparian	4' X 8' area	Redwig Dogwood 8 Nootka Rose 4 Piper's Willow 8 Douglas Spiraea 4	Plant Nootka Rose in Upper 1/2 of Zone Plant Redwig Dogwood, Piper's Willow & Douglas Spiraea in Lower 1/2 of Zone

**AT OUTFALLS**



**Tree and Shrub Planting Requirements**

1. Plant within 3-4 days of removal from ground.
2. Soak roots overnight in water prior to planting.
3. Planting hole should be 2 times the area of the roots. (Min 6" hole)
4. Use native soils identified to be viable growing medium.
5. Bury roots to top of crown.
6. Spread roots within soil, avoid air pockets around roots.
7. Avoid cutting of erosion fabric, spread fibers.
8. Water after planting, maintain soil to crown of roots.

**General Notes:**

1. Zones have 1' vertical overlap
2. All material listed to be planted "throughout" shall be planted in a random pattern.
3. Minimum spacing for groups are as follows:  
Tree Groups = 10' O.C.      Shrubs = 2' O.C.
4. No pesticides or herbicides allowed. Mechanical, hand, or other methods shall be used to control weeds and unwanted vegetation.
5. No fertilizer application shall be performed within 50' of stream channel.

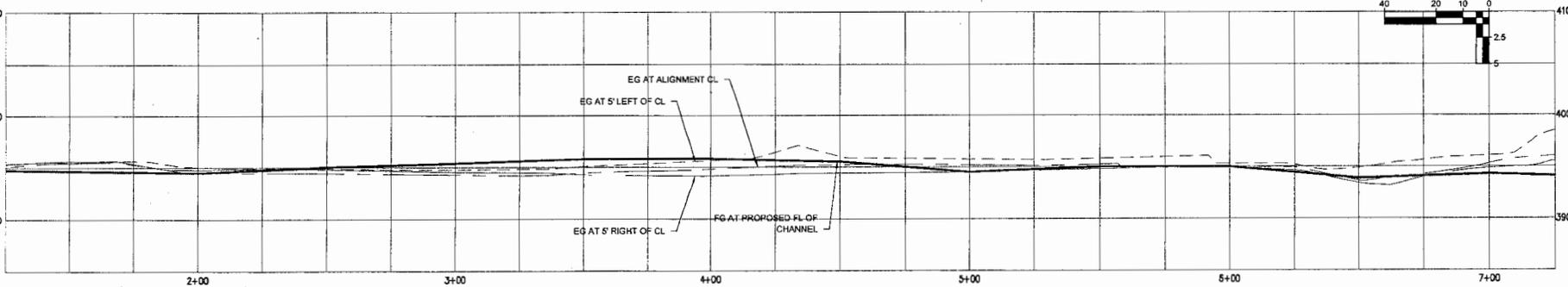
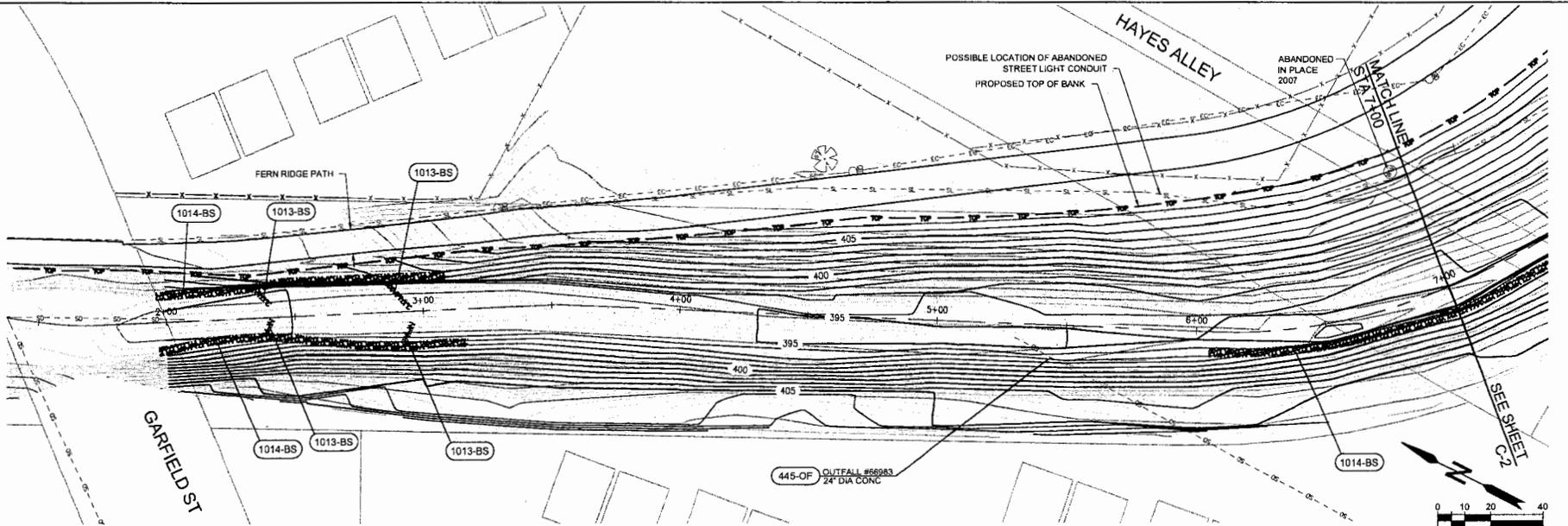


DATE	9/25/2012	PROJECT NO.	4672	REV.	DATE	DESCRIPTION
SCALE	NTS	DESIGNED BY	TRC			
DRAWN BY	DWS	CHECKED BY	DWS			
AMAZON CREEK STABILIZATION PLANTING DETAILS						
CITY OF EUGENE, OREGON DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION						
NAD03JNGV028						
D-3						

DATE	SCALE	CHECKED BY	PROJECT NO.	DATE	DESCRIPTION	BY
9/25/2012	GRAPHIC	DAVID W. SHAW	4672			

AMAZON CREEK STABILIZATION  
GRADING STA 2+00 TO STA 7+00

CITY OF  
SEASIDE  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION



**CONSTRUCTION NOTES**

- (445-OF) CONST SLOPED END 24" CONC. PIPE OUTFALL PER DRAWING RD318(A)
- (1013-BS) INSTALL BOULDER STEP STRUCTURE
- (1014-BS) INSTALL BANK STABILIZATION PER DETAIL SHEET D-1

- EXISTING GROUND CONTOURS
- PROPOSED FINISHED GROUND CONTOURS

**REVIEW  
60%  
SET**