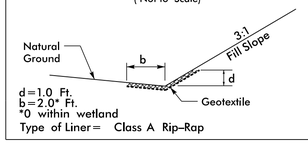
8/17/99

DETAIL A
TOE PROTECTION
(Not to Scale)



d=1.0 Ft.
b=2.0* Ft.
*0 within wetland
Type of Liner= Class A Rip-Rap

Final Phase

Both Phases

-L- 10+50 RT, 3 TON RIP RAP, 7 SY GEOTEXTILE
-L- 12+10 TO 12+98 LT, 15 TON RIP RAP, 33 SY GEOTEXTILE
-L- 12+20 TO 12+90 RT, 12 TON RIP RAP, 27 SY GEOTEXTILE
-L- 13+69 TO 16+30 RT, 53 TON RIP RAP, 118 SY GEOTEXTILE
-L- 13+77 TO 15+50 LT, 33 TON RIP RAP, 74 SY GEOTEXTILE

PROJECT REFERENCE NO.	SHEET NO.
BP1.R021.1	EC-05/CONST.04
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/2011

JEFFERY ALLEN LEWIS
TERESA PIERCE LEWIS

-L- POT Sta. 10+00.00
BEGIN PROJECT
-L- POT Sta. 10+20.00

2
JEFFERY ALLEN LEWIS
TERESA PIERCE LEWIS

1
WEYERHAEUSER COMPANY

-L- PCC Sta. 16+53.96

-L- PC Sta. 15+20.65

END PROJECT
-L- PT Sta. 16+80.00

PROP. SBG
-L- STA. 12+82.39
TO 12+97.39 LT

TOE PROTECTION
SEE DETAIL A

FLOATING TURBIDITY CURTAIN

0402

MCF
PDE

WOODS

2@73"X55" CMAP

TYPE TL-3

TYPE III

SR 1538 (WAINWRIGHT ROAD)

20' BST

N 63° 43' 56.3" E

10+00

15+00

-L-

TO NC 17

TO BLADES RD.

EXISTING R/W

N 49° 53' 22.9" E

0401

PROP. SBG
-L- STA. 12+75.00
TO 12+90.00 RT

BEGIN APPROACH SLAB
-L- POT Sta. 12+94+/-

BEGIN BRIDGE
-L- POT Sta. 13+06+/-

END APPROACH SLAB
-L- POT Sta. 13+73+/-

END BRIDGE
-L- POT Sta. 13+61+/-

GRADE TO DRAIN

-L- PT Sta. 17+35.18

-L- POT Sta. 17+70.24

HARDISON MILL CREEK TRIBUTARY 2

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

NOTE:
MATTING WITH NYLON MESH CANNOT BE PLACED WITHIN 25 FEET OF THE TOP OF THE STREAM BANK OR OPEN WATERS

-L-

PI = 11+25.00
EL = 35.23'
VC = 150'
K = 124
V = 57 mph

PI = 13+80.00
EL = 37.30'
VC = 150'
K = 293
V = 73 mph

BM#1
ELEV.=34.68'
N: 713,843
E: 2,599,757
-BL- STA 11+07.00 (35' LT)
BENCH TIE NAIL IN 20" TREE

BEGIN GRADE
-L- Sta.10+45.00
EL = 35.55'

END GRADE
-L- Sta.16+55.00
EL = 38.13'

EXISTING BRIDGE TO BE REMOVED

BEGIN BRIDGE
-L- Sta.13+06+/-
EL = 36.70'

END BRIDGE
-L- Sta.13+61+/-
EL = 37.10'

(+)0.8115%
(+)0.3000%
(-)0.4000%
(+)0.8115%

EXISTING GROUND
PROPOSED GRADE

TIE TO EXISTING
SEE MILLING DETAIL

BEGIN RESURFACING
-L- Sta.10+20.00
EL = 35.51'

END RESURFACING
-L- Sta.16+80.00
EL = 38.20'

BRIDGE HYDRAULIC DATA
STR #570025 Sta. 13+33.50 -L-

DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 1,200	CFS
DESIGN HW ELEVATION	= 35.0	FT
100 YEAR DISCHARGE	= 1,819	CFS
100 YEAR HW ELEVATION	= 35.8	FT
OVERTOPPING FREQUENCY	= 50	YRS
OVERTOPPING DISCHARGE	= 1,500	CFS
OVERTOPPING ELEVATION	= 35.5'	FT

NORMAL WATER SURFACE ELEV = 29.0 FT
DATE OF SURVEY = 6/09/2022

60 50 40 30 20

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00

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12/12/2024
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