

PURPOSE: CONSTRUCTION OF A JOINT USE DOCK

ADJACENT PROPERTY OWNERS:

① USA

② DAVID & NANCY ZULUAGA  
538 HYACINTH DRIVE  
MANSON, WA 98831

## SITE PLAN



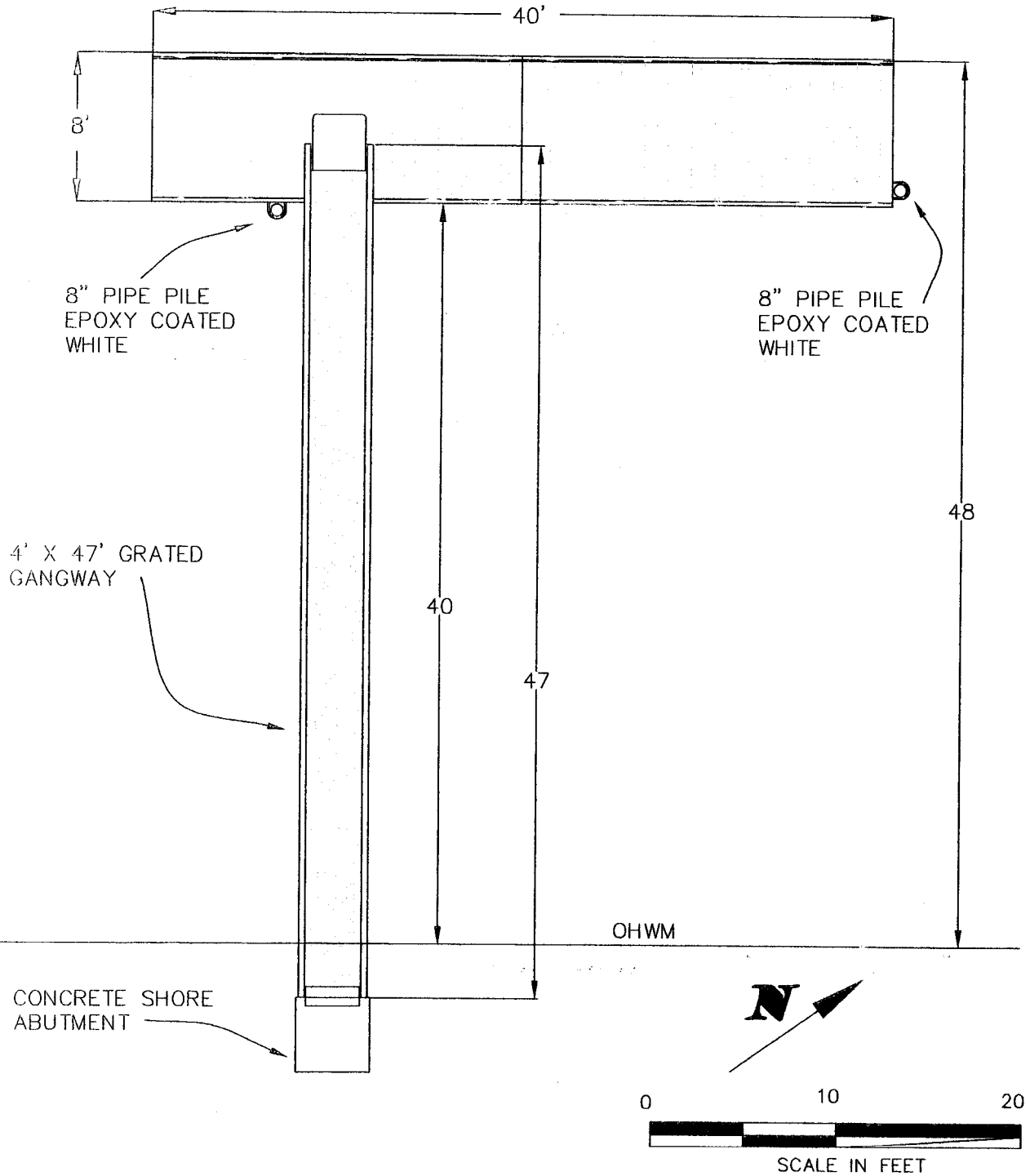
SHEEP'S DRAW JOINT-USE DOCK

IN: COLUMBIA RIVER  
AT: CORNING PROPERTY  
DOUGLAS COUNTY WA

COUNTY OF: DOUGLAS  
STATE: WA  
APPLICATION BY: JOSH CORNING

SHEET NO. 2 OF 6 DATE: 10/09/07

(2) 8' X 20' GRATED FLOATS



PURPOSE: CONSTRUCTION OF A JOINT USE DOCK

ADJACENT PROPERTY OWNERS:

① USA

② DAVID & NANCY ZULUAGA  
538 HYACINTH DRIVE  
MANSON, WA 98831

## DOCK PLAN

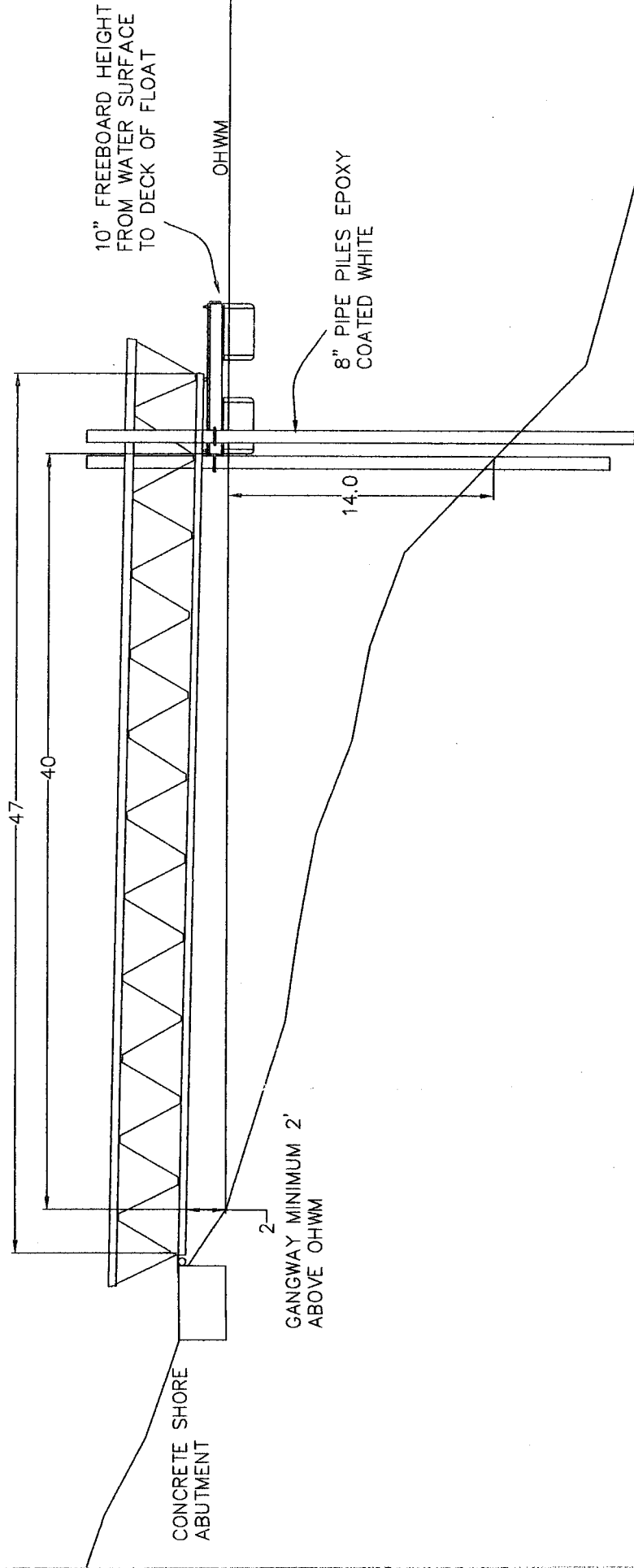
*Grete Associates*  
ARCHITECTS ENGINEERS PLANNERS

SHEEP'S DRAW JOINT-USE DOCK

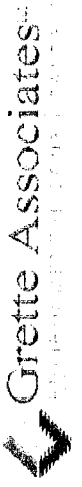
IN: COLUMBIA RIVER  
AT: CORNING PROPERTY  
DOUGLAS COUNTY WA

COUNTY OF: DOUGLAS  
STATE: WA  
APPLICATION BY: JOSH CORNING

SHEET NO. 3 OF 6 DATE: 10/09/07



**CROSS SECTION**



PURPOSE: CONSTRUCTION OF A JOINT USE DOCK

ADJACENT PROPERTY OWNERS:

① USA

② DAVID & NANCY ZULJAGA  
538 HYACINTH DRIVE  
MANSON, WA 98651

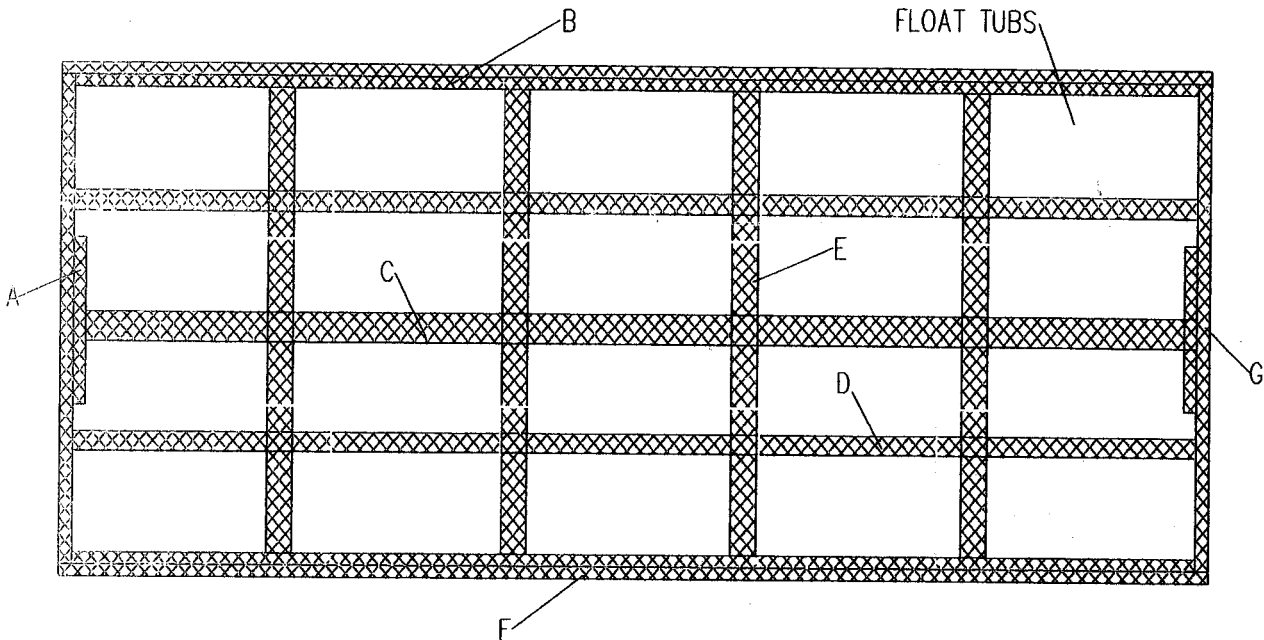
SHEEP'S DRAW JOINT-USE DOCK

IN: COLUMBIA RIVER  
AT: CORNING PROPERTY  
DOUGLAS COUNTY WA

COUNTY OF: DOUGLAS  
STATE: WA  
APPLICATION BY: JOSH CORNING

SHEET NO. 4 OF 6 DATE: 10/09/07

FLOAT PLAN  
(FOR EACH 8FTX20FT FLOAT)



- A- END CAPS (2) - 3'9" X 3.5" = 1.094X2=2.19 SQFT
- B- WHALERS (4) - 3'10.5"X3.5"=1.13X4=4.52 SQ FT
- C- STRINGERS (1) - 19'2"X3.5"=5.59 SQ FT
- D- STRINGERS (4) - 3'10.5"X1.5"=.484X4=1.94 SQ FT
- E- SLEEPERS (4) - 3'9"X1.5"=.469X4=1.88SQ FT
- F- FASCIA SIDES (2) - 20'X1.5"=2.50X2=5.0 SQ FT
- G- FASCIA ENDS (2) - 7'9"X1.5"=.969X2=1.94 SQ FT

TOTAL AREA OF FRAMING 23.05 SQ FT

FLOATATION TUBS (6) - 2'X4'=48SQ FT

TOTAL SURFACE AREA = 160 SQ FT

160-23.05-48= 88.94 SQ FT/160 SQ FT = 55.6% FUNCTIONAL GRATING

NOTE: IF STEEL FRAMING IS USED

TOTAL AREA OF TUBS = 32.94 SQ FT  
 TOTAL AREA OF STEEL STRUCTURE = 30.35 SQ FT  
 TOTAL AREA OF FLOAT = 160 SQ FT  
 160-32.94-30.35=96.71 SQ FT /160 SQ FT =  
60.4 FUNCTIONAL GRATING

PURPOSE: CONSTRUCTION OF A JOINT USE DOCK

ADJACENT PROPERTY OWNERS:

① USA

② DAVID & NANCY ZULUAGA  
 538 HYACINTH DRIVE  
 MANSON, WA 98831

FLOAT DETAIL

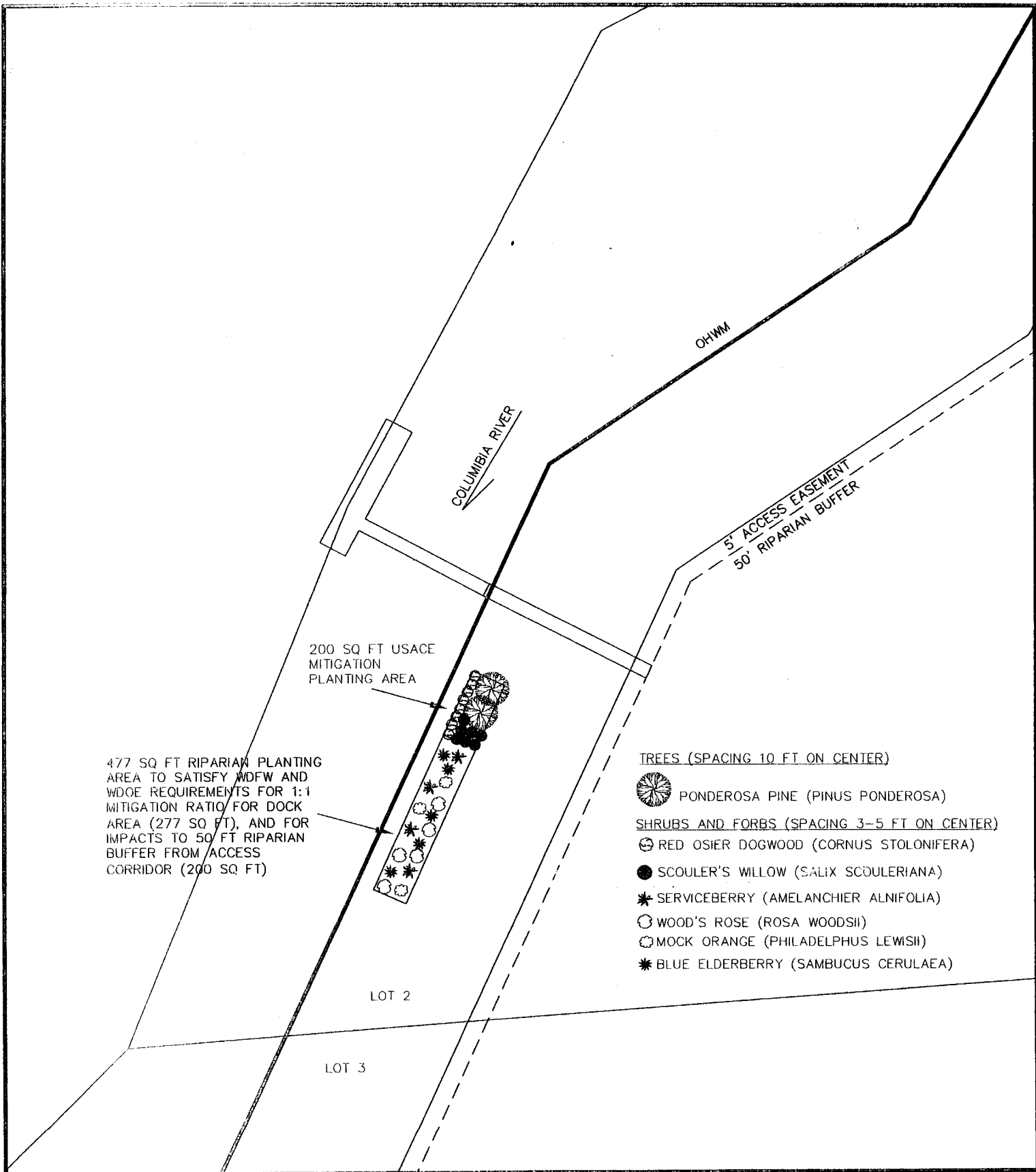
*Grete Associates*  
 1000 1st Avenue, Suite 100, Seattle, WA 98101  
 Phone: 206.461.1111 Fax: 206.461.1112

SHEEP'S DRAW JOINT-USE DOCK

IN: COLUMBIA RIVER  
 AT: CORNING PROPERTY  
 DOUGLAS COUNTY WA

COUNTY OF: DOUGLAS  
 STATE: WA  
 APPLICATION BY: JOSH CORNING







SHEET NO. 5 OF 6 DATE: 10/09/07



TREES (SPACING 10 FT ON CENTER)

 PONDEROSA PINE (PINUS PONDEROSA)

SHRUBS AND FORBS (SPACING 3-5 FT ON CENTER)

-  RED OSIER DOGWOOD (CORNUS STOLONIFERA)
-  SCOULER'S WILLOW (SALIX SCOULERIANA)
-  SERVICEBERRY (AMELANCHIER ALNIFOLIA)
-  WOOD'S ROSE (ROSA WOODSII)
-  MOCK ORANGE (PHILADELPHUS LEWISII)
-  BLUE ELDERBERRY (SAMBUCUS CERULAEA)

PURPOSE: CONSTRUCTION OF A JOINT USE DOCK

ADJACENT PROPERTY OWNERS:

- ① USA
- ② DAVID & NANCY ZULIAGA  
538 HYACINTH DRIVE  
MANSON, WA 98831

MITIGATION PLAN



SHEEP'S DRAW JOINT-USE DOCK

IN: COLUMBIA RIVER  
AT: CORNING PROPERTY  
DOUGLAS COUNTY WA

COUNTY OF: DOUGLAS  
STATE: WA  
APPLICATION BY: JOSH CORNING

SHEET NO. 6 OF 6 DATE: 10/09/07