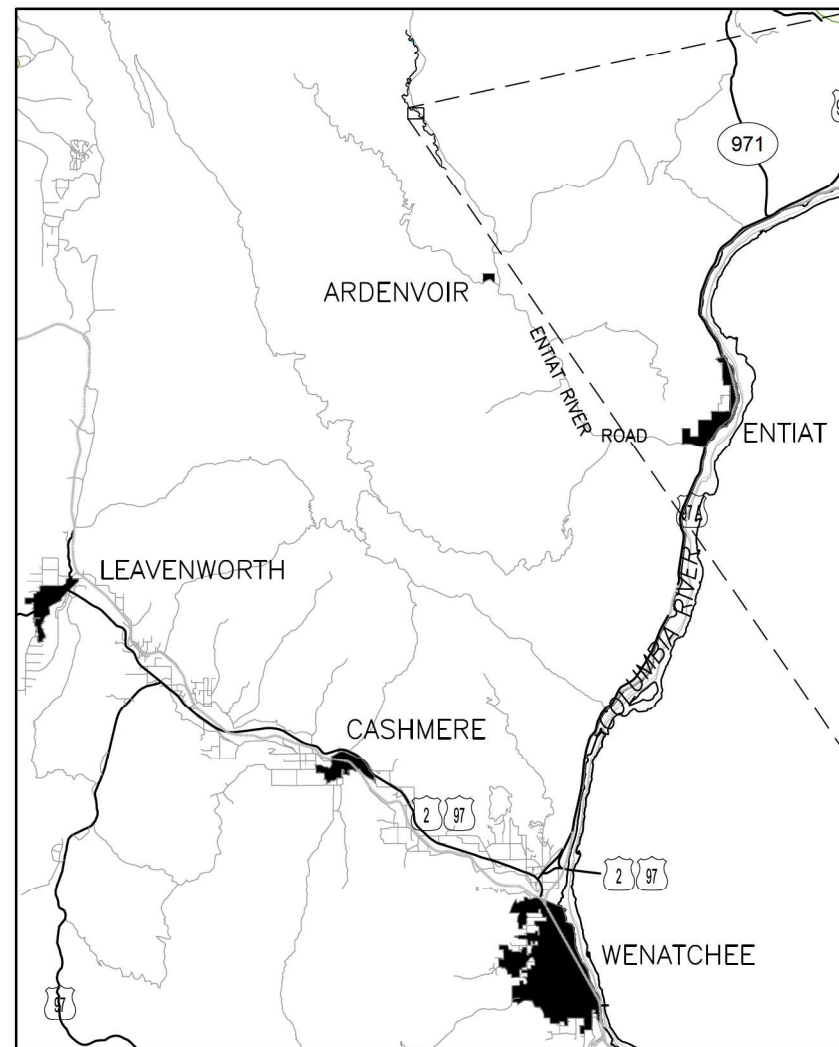


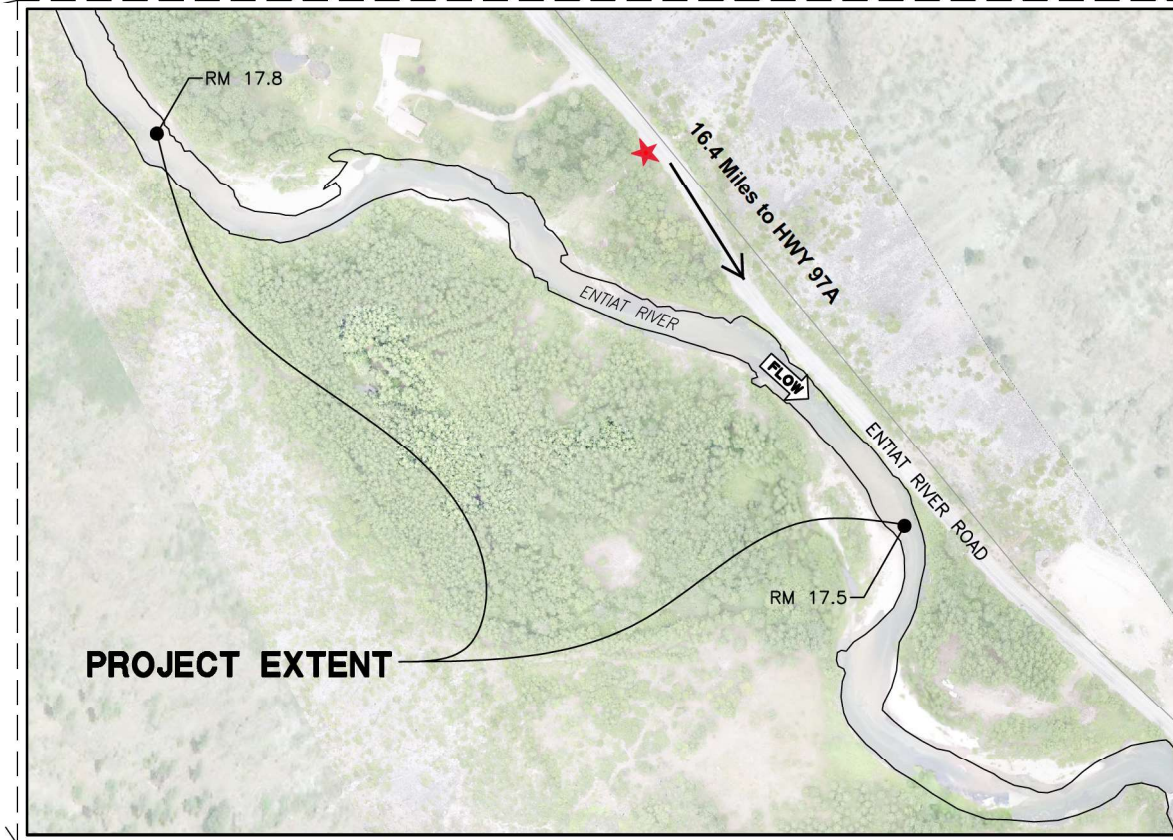
COTTONWOOD FLATS RIPARIAN PLANTING PROJECT

RM 17.8-17.5

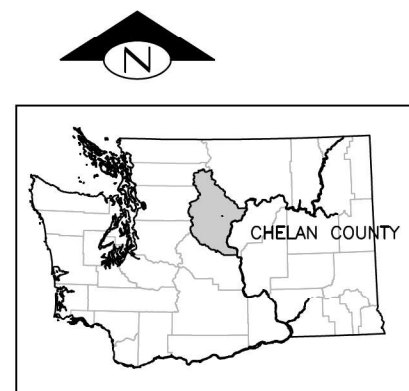
CHELAN COUNTY NATURAL RESOURCES DEPARTMENT



LOCATION MAP
SCALE: 1" = 3 MILES



VICINITY MAP
SCALE: 1" = 200'-0"



WASHINGTON STATE
SCALE: 1" = 100 MILES

CONTACT INFORMATION

NATURAL SYSTEMS DESIGN, INC

1900 N NORTHLAKE WAY, SUITE 211
SEATTLE, WA 98103
(206) 834-0175

CHELAN COUNTY NATURAL RESOURCES DEPARTMENT

411 WASHINGTON, SUITE 201
WENATCHEE, WA 98801
Allison Lutes
509-679-7095

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT PLOTTED TO ORIGINAL SCALE.



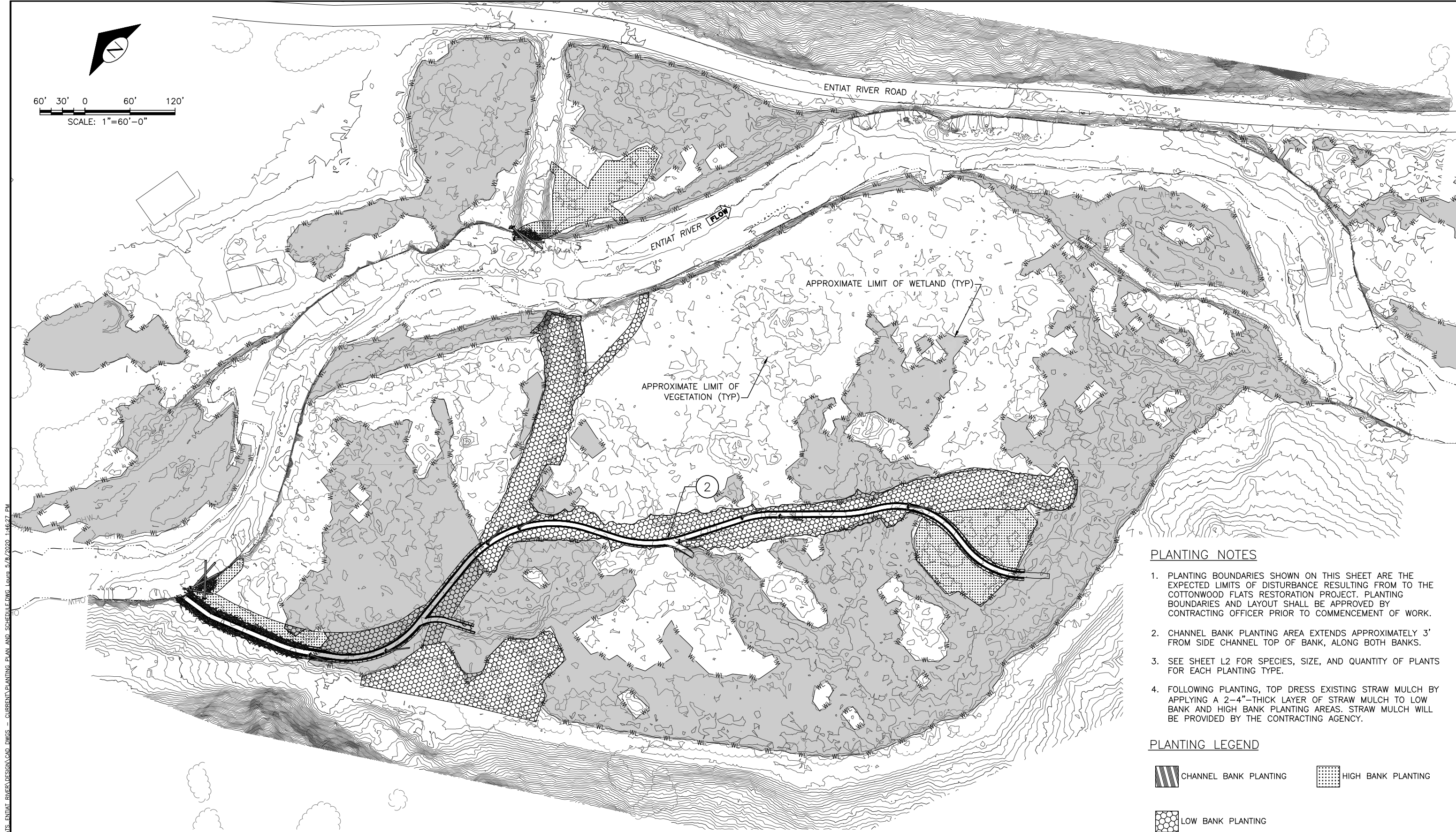
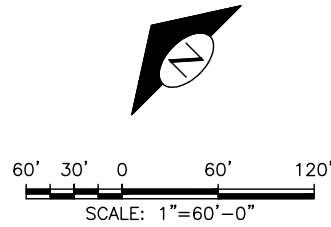
GEOGRAPHIC INFORMATION
LATITUDE 47°48'53"N
LONGITUDE 120°25'01"W
TN/SC/RG T27N/S26/R19E
DATE

COTTONWOOD FLATS

COVER SHEET

1
SHEET 1 OF 3

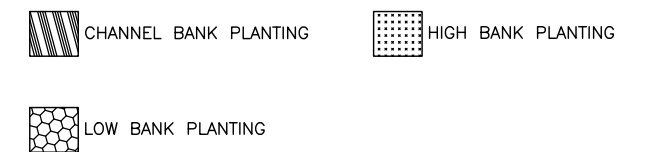
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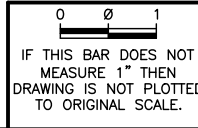
PLANTING NOTES

1. PLANTING BOUNDARIES SHOWN ON THIS SHEET ARE THE EXPECTED LIMITS OF DISTURBANCE RESULTING FROM TO THE COTTONWOOD FLATS RESTORATION PROJECT. PLANTING BOUNDARIES AND LAYOUT SHALL BE APPROVED BY CONTRACTING OFFICER PRIOR TO COMMENCEMENT OF WORK.
2. CHANNEL BANK PLANTING AREA EXTENDS APPROXIMATELY 3' FROM SIDE CHANNEL TOP OF BANK, ALONG BOTH BANKS.
3. SEE SHEET L2 FOR SPECIES, SIZE, AND QUANTITY OF PLANTS FOR EACH PLANTING TYPE.
4. FOLLOWING PLANTING, TOP DRESS EXISTING STRAW MULCH BY APPLYING A 2-4" THICK LAYER OF STRAW MULCH TO LOW BANK AND HIGH BANK PLANTING AREAS. STRAW MULCH WILL BE PROVIDED BY THE CONTRACTING AGENCY.

PLANTING LEGEND



N:\PROJECTS\COND\COTTONWOOD_FLATS_ENTIAT_RIVER\DESIGN\CAD_DWG - CURRENT\PLANTING_PLAN_AND_SCHEDULE.DWG - LAURA_5/8/2020_1:46:27 PM



Natural Systems Design

NAME OR INITIALS AND DATE	GEOGRAPHIC INFORMATION
DESIGNED N. TRUSCOTT	LATITUDE 47°48'53"N
CHECKED J. SODEN	LONGITUDE 120°25'01"W
DRAWN L. ZANETTO	TN/SC/RG T27N/S26/R19E
CHECKED N. TRUSCOTT	DATE

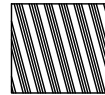
**COTTONWOOD FLATS
RESTORATION PLANTING
RM 17.8 - 17.5**

PLANTING PLAN

L1
SHEET **2** OF **3**

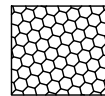
May 08, 2020

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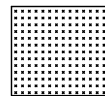
CHANNEL BANK PLANT SCHEDULE

PLANT TYPE	ID	SPECIES NAME	COMMON NAME	TYP. SPACING	SIZE	TOTAL QUANTITY
DECIDUOUS TREES						
	CRDO	CRATAEGUS DOUGLASII	BLACK HAWTHORNE	3'	TREEPOT TP414	156
	SAEX	SALIX EXIGUA	COYOTE WILLOW	3'	TREEPOT TP414	182
	SASI	SALIX SITCHENSIS	SITKA WILLOW	3'	TREEPOT TP414	182



LOW BANK PLANT SCHEDULE

PLANT TYPE	ID	SPECIES NAME	COMMON NAME	TYP. SPACING	SIZE	TOTAL QUANTITY
DECIDUOUS TREES						
	POBA	POPULUS BALSAMIFERA SSP. TRICHOCARPA	BLACK COTTONWOOD	5'	DEEPOT D40	481
	SAEX	SALIX EXIGUA	COYOTE WILLOW	5'	TREEPOT TP414	481
	SALU	SALIX LUCIDA SSP. LASIANDRA	PACIFIC WILLOW	5'	TREEPOT TP414	481
	SASI	SALIX SITCHENSIS	SITKA WILLOW	5'	TREEPOT TP414	481
DECIDUOUS SHRUBS						
	CRDO	CRATAEGUS DOUGLASII	BLACK HAWTHORNE	5'	TREEPOT TP414	141
	RONU	ROSA NUTKANA	NOOTKA ROSE	5'	DEEPOT D40	170
	SPDO	SPIRAEA DOUGLASII	DOUGLAS SPIREA	5'	DEEPOT D40	170
HERBACEOUS						
	CALE	CAREX LENTICULARIS	KELLOG'S SEDGE	3'	10 C.I. PLUG	393
	CAST	CAREX STIPATA	AWLFRUIT SEDGE	3'	10 C.I. PLUG	393
	SCMI	SCIRPIS MICROCARPUS	PANICLED BULRUSH	3'	10 C.I. PLUG	393

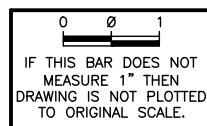


HIGH BANK PLANT SCHEDULE

PLANT TYPE	ID	SPECIES NAME	COMMON NAME	TYP. SPACING	SIZE	TOTAL QUANTITY
CONIFEROUS TREES						
	PIPO	PINUS PONDEROSA	PONDEROSA PINE	8'	DEEPOT D40	25
DECIDUOUS TREES						
	POBA	POPULUS BALSAMIFERA SSP. TRICHOCARPA	BLACK COTTONWOOD	8'	DEEPOT D40	41
	SASC	SALIX SCOULERIANA	SCOULER'S WILLOW	8'	TREEPOT TP414	41
	SALU	SALIX LUCIDA SSP. LASIANDRA	PACIFIC WILLOW	8'	TREEPOT TP414	41
DECIDUOUS SHRUBS						
	CRDO	CRATAEGUS DOUGLASII	BLACK HAWTHORNE	4'	DEEPOT D40	265
	ROWO	ROSA WOODSII	WOOD'S ROSE	4'	DEEPOT D40	265
	SPDO	SPIRAEA DOUGLASII	DOUGLAS SPIREA	4'	DEEPOT D40	265
	SYAL	SYMPHORICARPUS ALBUS	SNOWBERRY	4'	DEEPOT D40	265

PLANT SCHEDULE NOTES

- SEE SHEET L1 FOR PLANTING AREA LOCATIONS.
- PLANTS SHALL BE EVENLY SPACED ACROSS THE PLANTING AREA AS INDICATED IN THE PLANT SCHEDULE, AND CLUSTERED WITH LIKE SPECIES.
- CONTAINER PLANTS SHALL BE PROPAGATED FROM SEED OR PLANT MATERIAL COLLECTED WITHIN WENATCHEE, METHOW, OR ENTIAT RIVER BASINS.
- IF SUFFICIENT QUANTITIES OF TREEPOT TP414 CONTAINER PLANTS ARE NOT AVAILABLE, THE CONTRACTOR MAY SUBSTITUTE DEEPOT D40 CONTAINER PLANTS FOR THOSE SPECIES TO MEET THE REQUIRED QUANTITIES OF PLANTS.
- TAPER MULCH NEAR BASE OF EACH PLANT TO ENSURE MULCH DOES NOT MAKE CONTACT WITH PLANT STEM.



NAME OR INITIALS AND DATE	GEOGRAPHIC INFORMATION
DESIGNED N. TRUSCOTT	LATITUDE 47°48'53"N
CHECKED J. SODEN	LONGITUDE 120°25'01"W
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**COTTONWOOD FLATS
RESTORATION PLANTING
RM 17.8 - 17.5**

PLANT SCHEDULES

L2

SHEET 3 OF 3

May 08, 2020