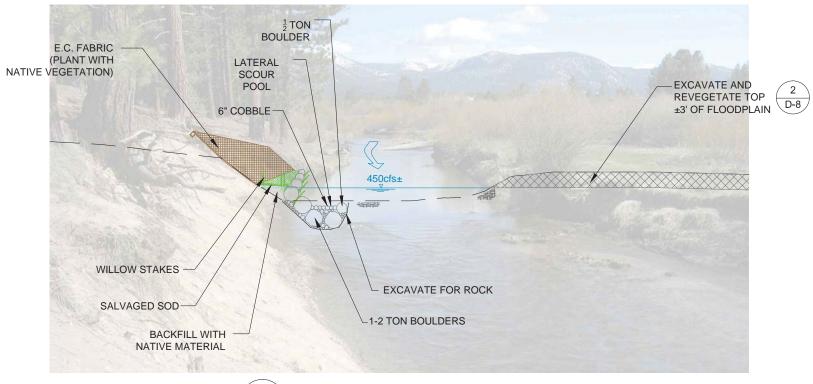


BY THE ENGINEER.





2

D-1

SCHEMATIC DESIGN PLANS & DETAILS NOT FOR CONSTRUCTION

BANK STABILIZATION OUTSIDE BEND

N.T.S.

UPPER TRUCKEE RIVER AND MARSH RESTORATION PROJECT

E.I.P. # 560



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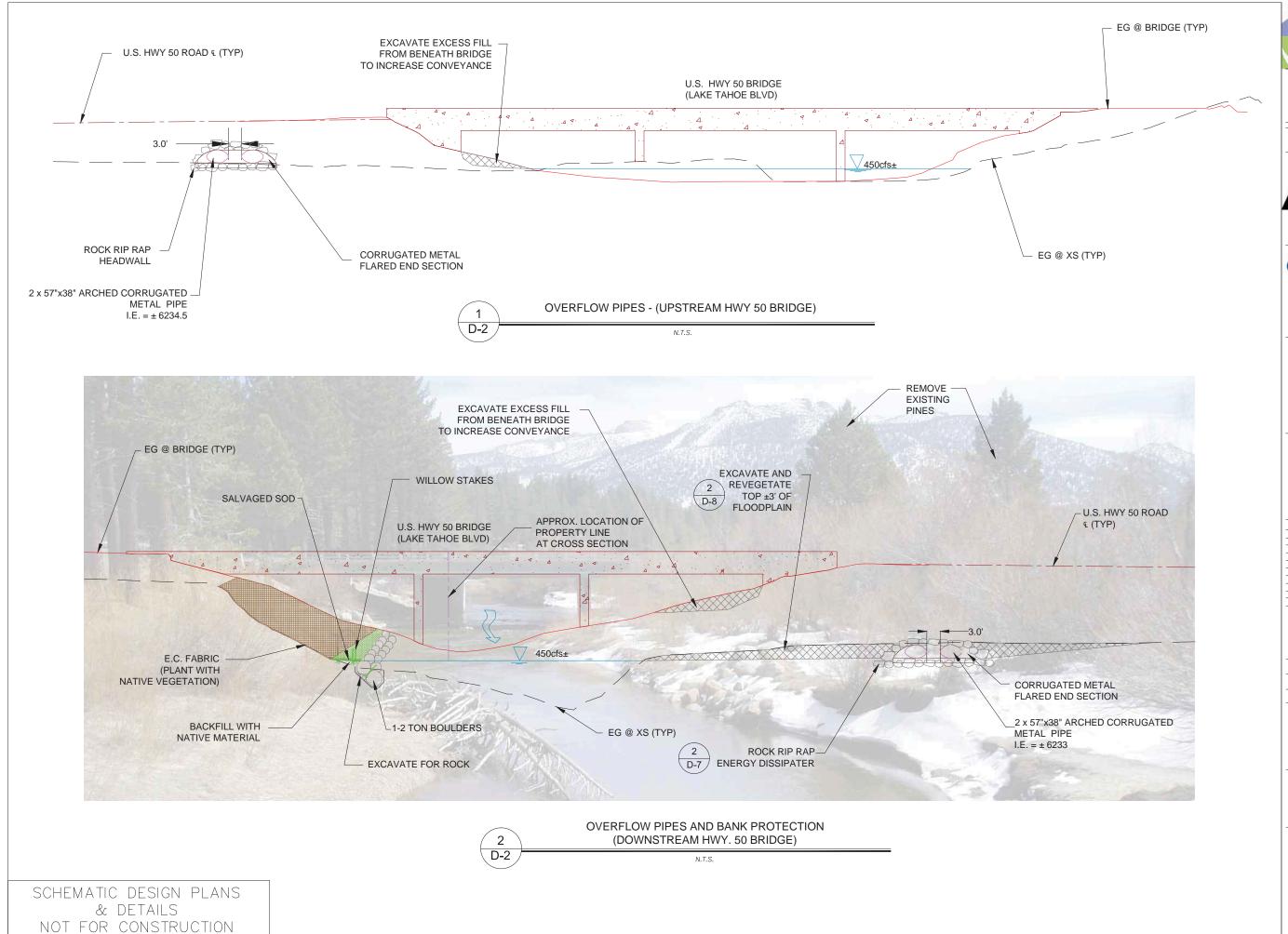
DETAILS

D-1

REVISIONS
description date

| scale: AS SHOWN | job no.: 00110066.04 | drawn by: CK | checked by: CM

sheet no.: D-1





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DETAILS

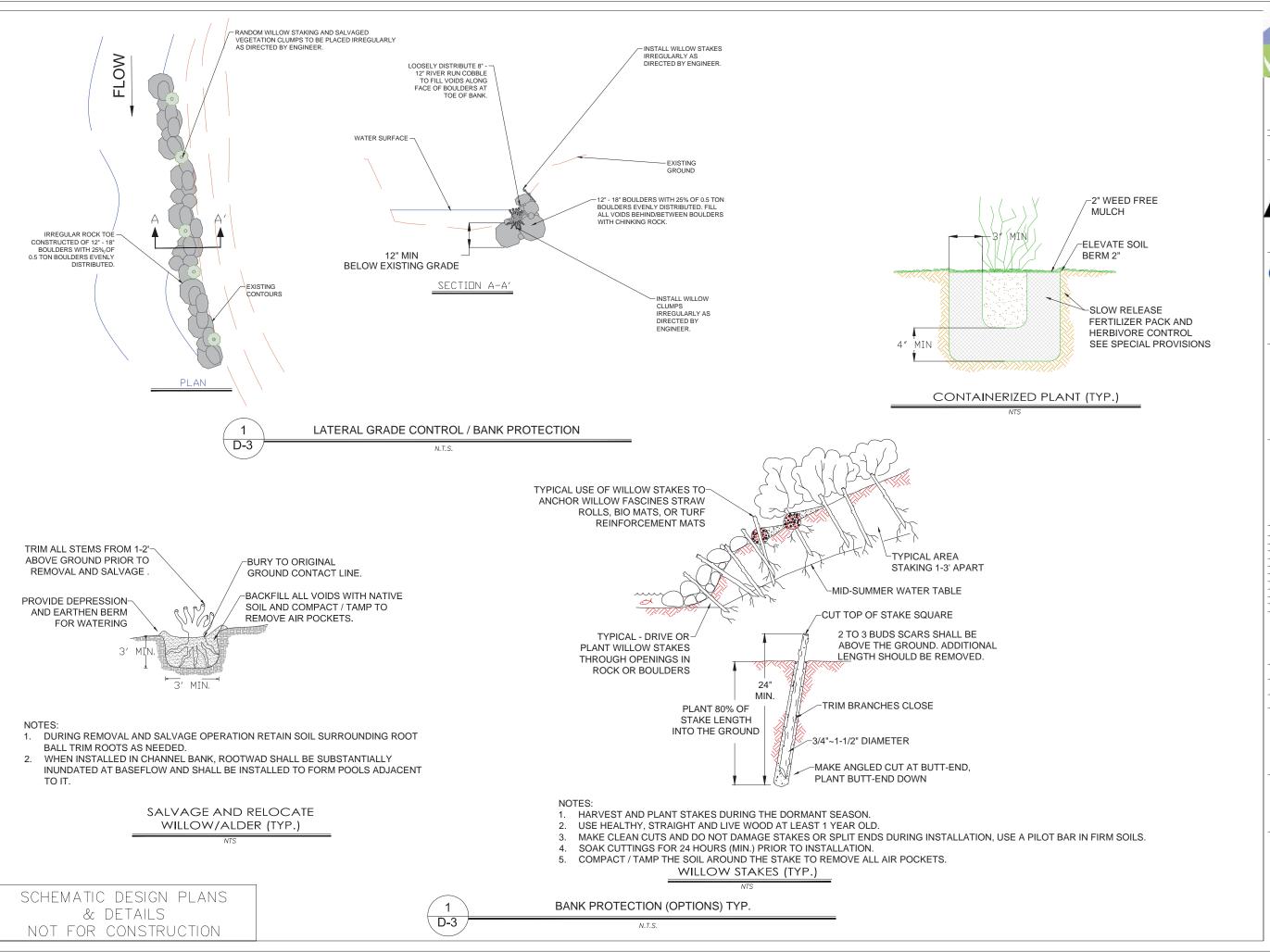
D-2

REVISIONS # description

| scale: AS SHOWN | job no.: 00110066.04 | drawn by: CK | checked by: CM

sheet no.: D-2

sheet _____ of ______25



UPPER TRUCKEE RIVER AND MARSH RESTORATION PROJECT

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DETAILS

D-3

REVISIONS

description date

 scale:
 AS SHOWN

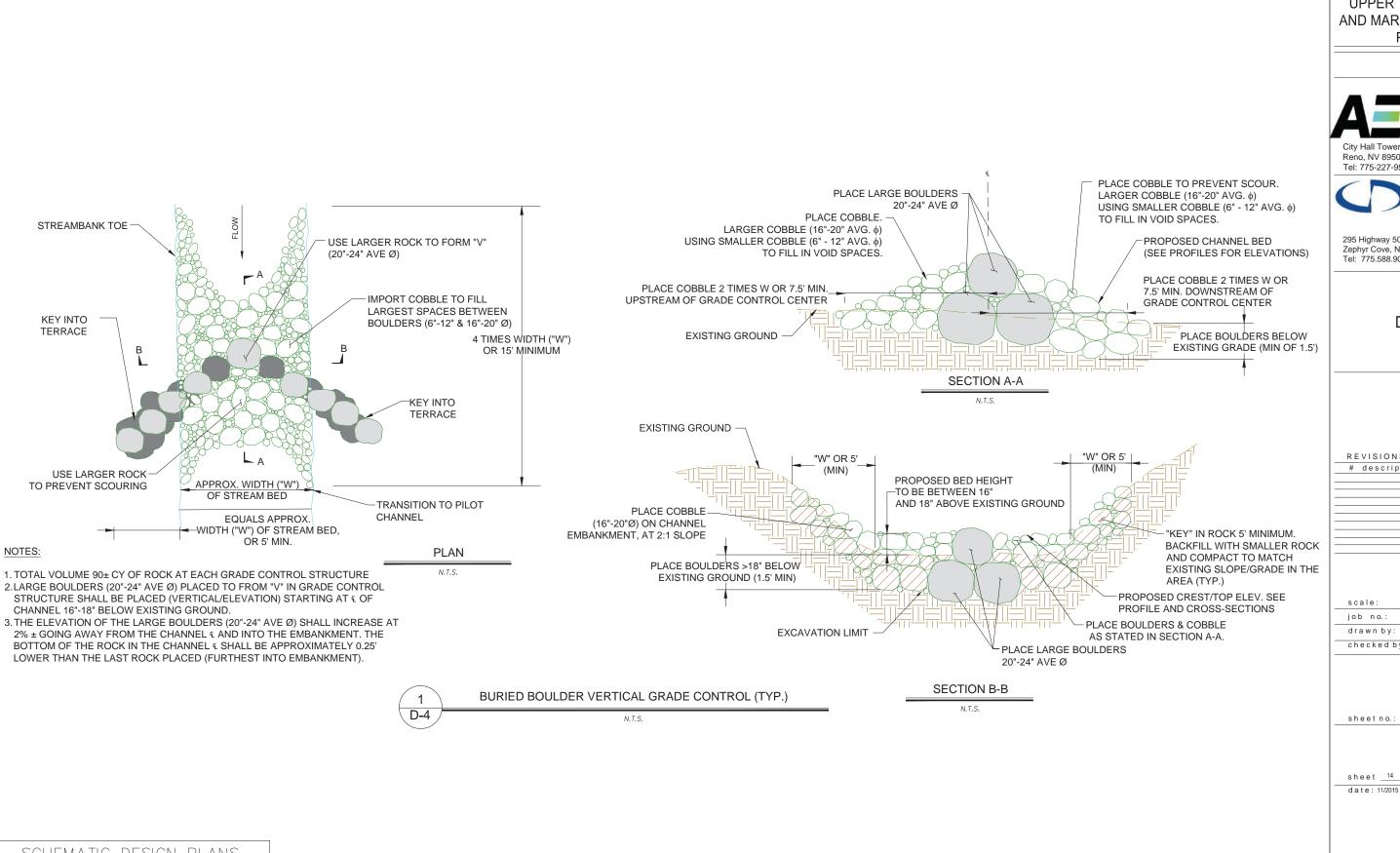
 job no.:
 00110066.04

 drawn by:
 CK

 checked by:
 CM

sheet no.: D-3

sheet __13___ of ___25_



UPPER TRUCKEE RIVER AND MARSH RESTORATION **PROJECT**

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DETAILS

D-4

REVISIONS # description

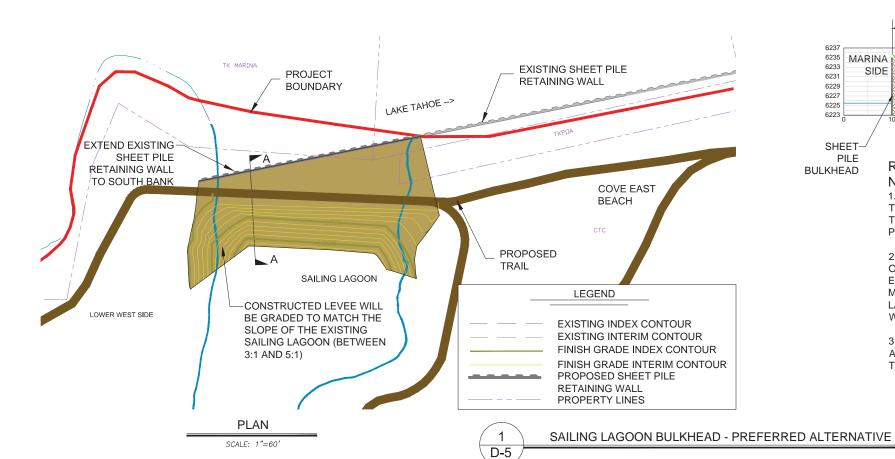
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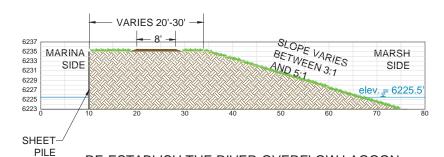
D-4

sheet <u>14</u> of <u>25</u>

SCHEMATIC DESIGN PLANS & DETAILS

NOT FOR CONSTRUCTION





BULKHEAD RE-ESTABLISH THE RIVER-OVERFLOW LAGOON NOTES:

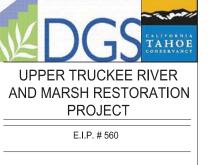
1. THE SURFACE WATER OF THE SAILING LAGOON IS PART OF THE TAHOE KEYS MARINA AND IS HYDRAULICALLY CONNECTED TO LAKE TAHOE, A RESULT OF PRIOR DREDGING AND FILL ACTIVITIES TO PROVIDE VARIOUS NAVIGATION ROUTES SINCE THE 1950'S.

2. THE PREFERRED ALTERNATIVE WILL RESTORE A LAGOON FEATURE ON THE UPPER TRUCKEE BY: 1) CONSTRUCTING A BULKHEAD AT THE EXISTING SAILING LAGOON TO BLOCK ITS OPEN CONNECTION WITH THE MARINA; AND 2) RE-EXCAVATING THE FILL BETWEEN THE SAILING LAGOON AND THE UPPER TRUCKEE SO THAT THE RIVER IS A SURFACE WATER SOURCE TO THE LAGOON.

3. THE LOWER WEST SIDE PLAN SHEETS SHOW THE PROPOSED ALTERNATIVES FOR RECONNECTING THE SAILING LAGOON TO THE UPPER TRUCKEE RIVER.

SECTION A-A

SCALE: 1"=10', 1H:1V





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DETAILS

D-5

REVISIONS
description date

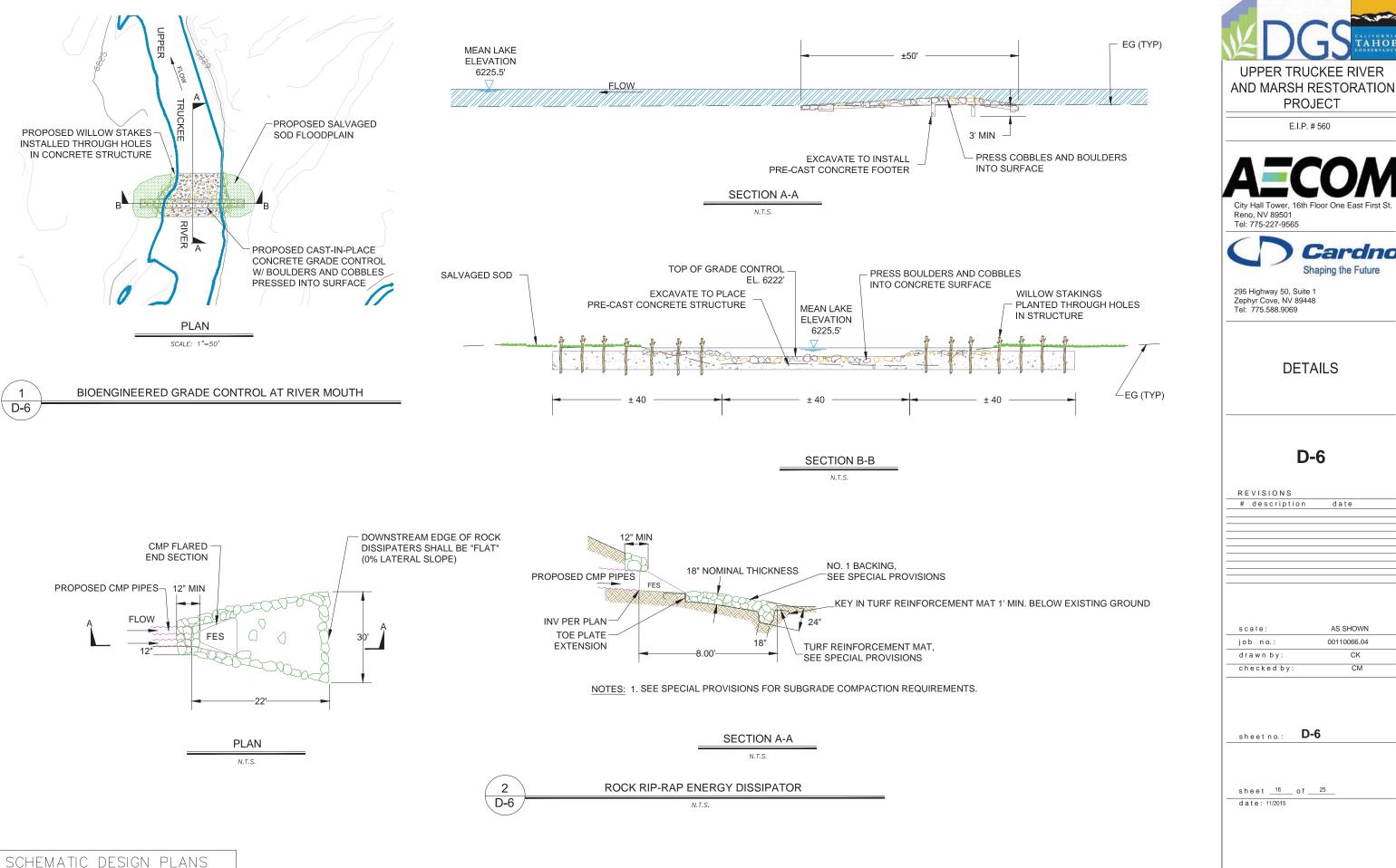
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job no.:	00110066.04
drawn by:	CK
checked by:	CM

sheet no.: D-5

sheet <u>15</u> of <u>25</u>

date: 11/2015

SCHEMATIC DESIGN PLANS & DETAILS NOT FOR CONSTRUCTION



PROJECT

E.I.P. # 560

Cardno

Shaping the Future

DETAILS

D-6

date

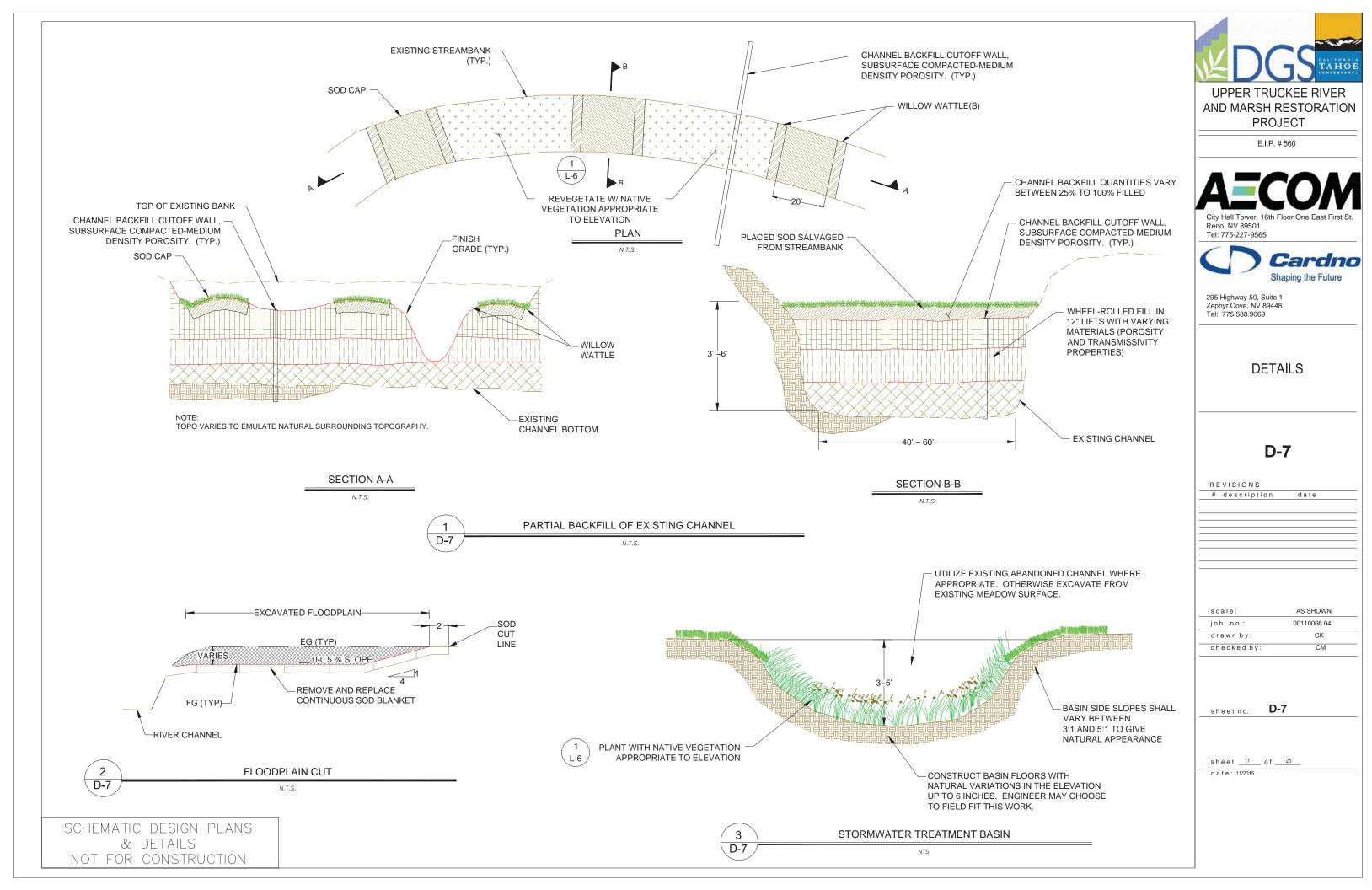
AS SHOWN

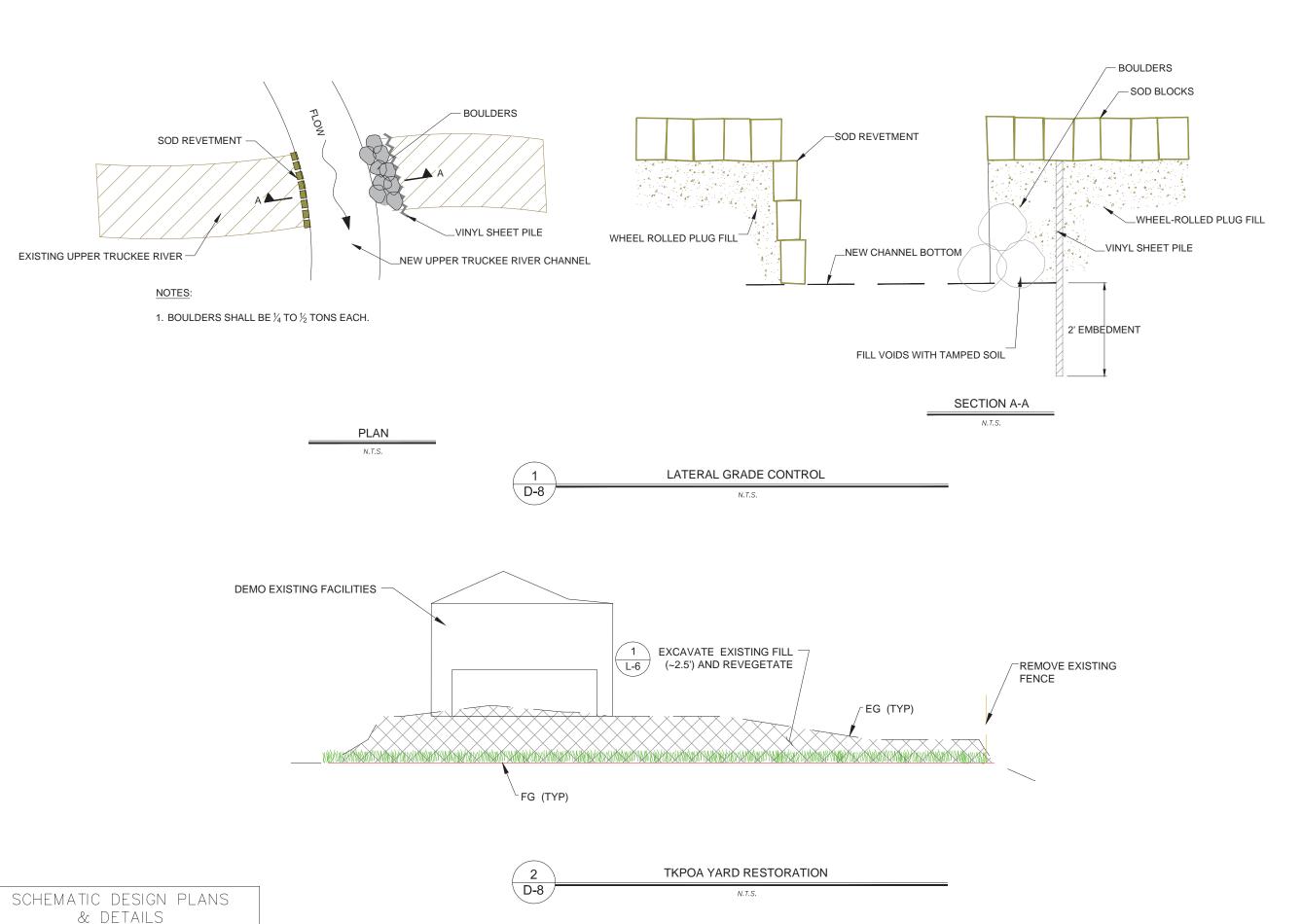
00110066.04

D-6

CK

& DETAILS NOT FOR CONSTRUCTION





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DETAILS

D-8

REVISIONS # description

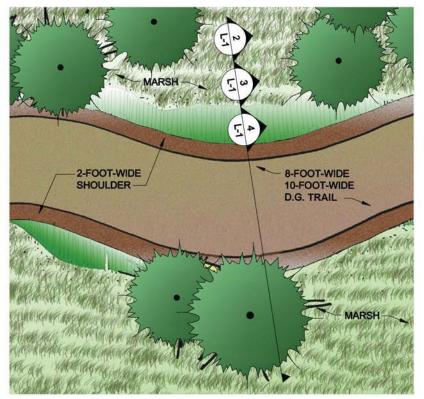
scription dat

| scale: AS SHOWN | | job no.: 00110066.04 | | drawn by: CK | | Checked by: CM

sheet no.: D-8

sheet <u>18</u> of <u>25</u>

ACCESS VIA LAKE TAHOE, SCHEMATIC DESIGN PLANS LAKE TAHOE LAKEVIEW AVE & DETAILS **UPPER TRUCKEE RIVER, &** NOT FOR CONSTRUCTION TAHOE KEYS MARINA UPPER TRUCKEE RIVER LILY AVE. ACCESS AND MARSH RESTORATION POINT AND STAGING **PROJECT** SAN FRANCISCO AVE 1.4 AC E.I.P. # 560 City Hall Tower, 16th Floor One East First St. Reno, NV 89501 Tel: 775-227-9565 SAILING LAGOON STAGING AREA Cardno **RUBICON TRAIL ACCESS** 2.4 AC Shaping the Future AND STAGING AREA 2.2 AC 295 Highway 50, Suite 1 Zephyr Cove, NV 89448 Tel: 775.588.9069 LOWER WESTSIDE STORAGE STAGING AND STAGING AREA **ACCESS PLAN** 2.1 AC TAHOE KEYS AND MARINA SS-1 VENICE DR. REVISIONS ACCESS POINT # description AND STAGING 0.7 AC SPRINGWOOD DR. CREEKWOOD DRIVE DOVER DR. STAGING AREA CREEK 1 AC SILVERWOOD ACCESS AND STAGING 0.25 AC scale: AS SHOWN job no 00110066.04 SILVERWOOD drawn by: СК checked by: CM CIR. TKPOA YARD HIGHLAND WOODS **ACCESS POINT LEGEND** STAGING AREA AND STAGING WATER'S EDGE 4.2 AC PROPERTY BOUNDARY sheet no.: SS-1 2 AC PROJECT BOUNDARY PROPOSED CHANNEL ALIGNMENT PROPOSED INTERNAL HAUL ROUTES PROPOSED EXTERNAL HAUL ROUTES
POTENTIAL STORAGE/STAGING ROUTE sheet <u>19</u> of <u>25</u> date: 11/2015 WETLAND DELINEATION PONDEROSA ST. **ACCESS POINT DUNE RESTORATION AREAS** PROJECT BOUNDARY LILY LAGOON AREA UPPER TRUCKEE RIVER



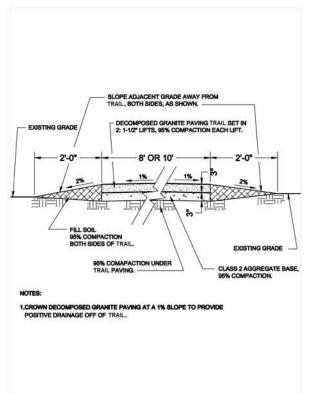
8' OR 10'
D.G./A.C.TRAIL
2-FOOT-WIDE
SHOULDER
2-FOOT-WIDE
SHOULDER

1 D.G. TRAIL L-1 SCALE: NTS

PLAN VIEW

D.G./A.C.TRAIL L-1 SCALE: NTS

ELEVATION



D.G. TRAIL
L-1 SCALE: NTS

SECTION



D.G. TRAIL
L-1 SCALE: NTS R

REPRESENTATIVE EXAMPLE



UPPER TRUCKEE RIVER AND MARSH RESTORATION PROJECT

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TRAIL

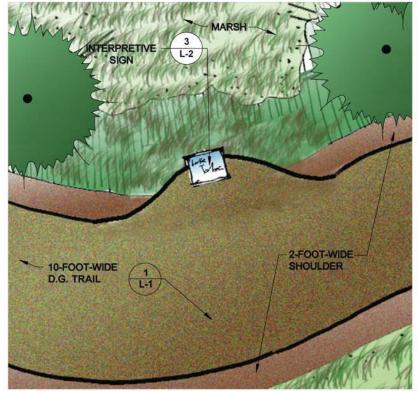
L-1

REVISIONS # description date

| scale: NOT TO SCALE | job no.: 00110066.04 | drawn by: ML | checked by: JZ

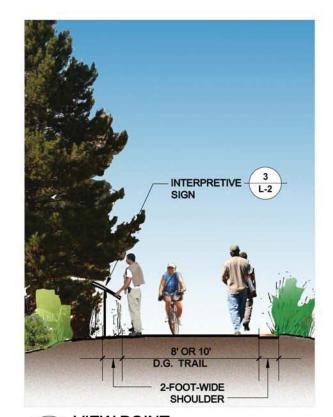
sheet no.: L-1

sheet 20 of 25 date: 11/2015



1 VIEW POINT L-2 SCALE: NTS

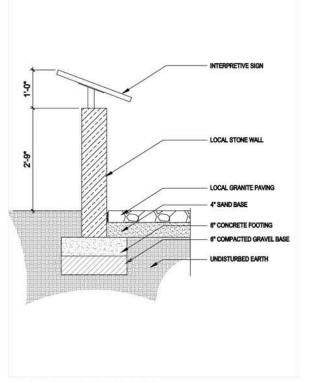
PLAN VIEW



VIEW POINT
L-2 SCALE: NTS ELEVATION



3 VIEW POINT
L-2 SCALE: NTS REPRESENTATIVE EXAMPLE



VIEW POINT
L-2 SCALE: NTS SECTION



UPPER TRUCKEE RIVER AND MARSH RESTORATION PROJECT

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VIEW POINT

L-2

REVISIONS
description date

 scale:
 NOT TO SCALE

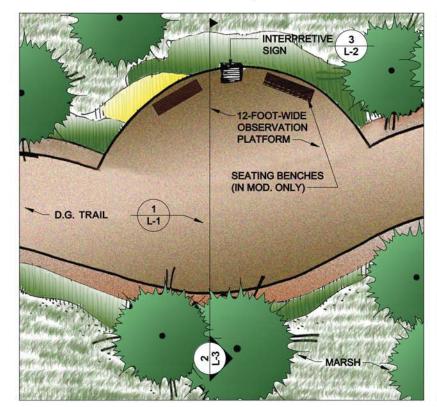
 job no.:
 00110066.04

 drawn by:
 ML

 checked by:
 JZ

sheet no.: L-2

sheet 21 of 25 date: 11/2015

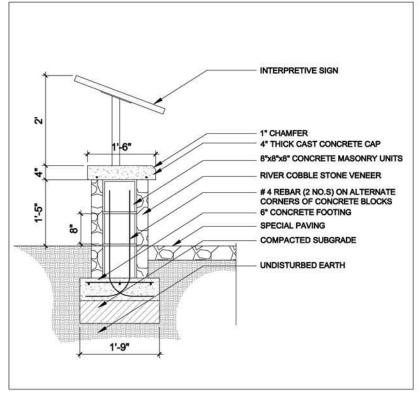


OBSERVATION AREA

L-3 SCALE: NTS PLAN VIEW

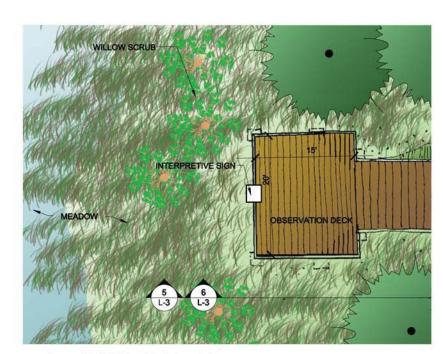


OBSERVATION AREA
L-3 SCALE: NTS PLAN VIEW



OBSERVATION AREA

L-3 SCALE: NTS ELEVATION



4 OBSERVATION AREA
L-3 SCALE: NTS ELEVATION



5 OBSERVATION AREA
L-3 SCALE: NTS SECTION



6 OBSERVATION AREA
L-3 SCALE: NTS REPRESENTATIVE EXAMPLE



UPPER TRUCKEE RIVER AND MARSH RESTORATION PROJECT

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OBSERVATION AREA
TYPE 1

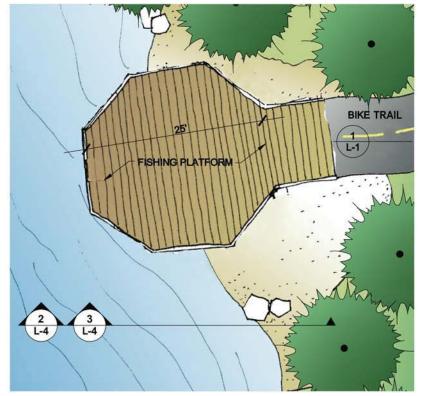
L-3

REVISIONS
description date

| scale: NOT TO SCALE | job no.: 00110066.04 | drawn by: ML | checked by: JZ

sheet no.: L-3

sheet 22 of 25 date: 11/2015



1 FISHING PLATFORM
L-4 SCALE: NTS



FISHING PLATFORM
L-4 SCALE: NTS ELEVATION



3 FISHING PLATFORM
L-4 SCALE: NTS REPRESENTATIVE EXAMPLE

UPPER TRUCKEE RIVER
AND MARSH RESTORATION
PROJECT

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FISHING PLATFORM

L-4

REVISIONS
description date

 scale:
 NOT TO SCALE

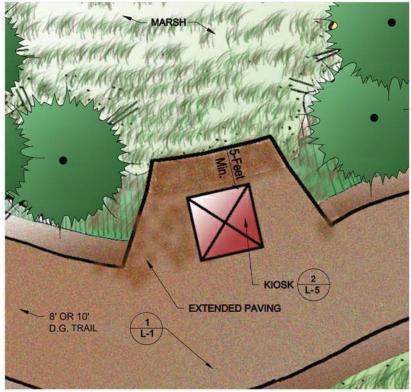
 job no.:
 00110066.04

 drawn by:
 ML

 checked by:
 JZ

sheet no.: L-4

sheet 23 of 25 date: 11/2015



1 L-5

KIOSK SCALE: NTS

PLAN VIEW



2 L-5 KIOSK

SCALE: NTS

REPRESENTATIVE EXAMPLE



UPPER TRUCKEE RIVER AND MARSH RESTORATION PROJECT

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KIOSK

L-5

REVISIONS
description date

 scale:
 NOT TO SCALE

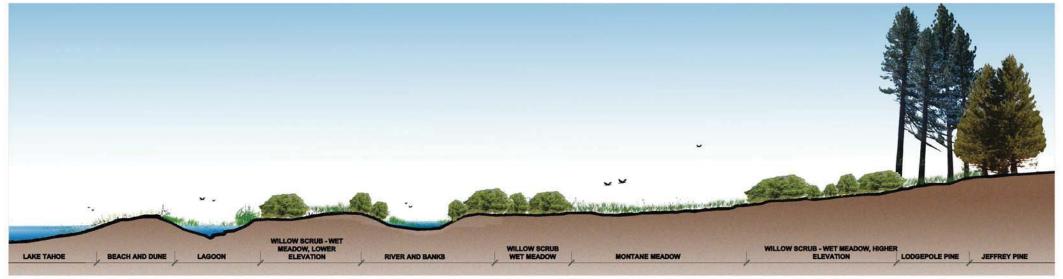
 job no.:
 00110066.04

 drawn by:
 ML

 checked by:
 JZ

sheet no.: L-5

sheet __24_ of __25__ date: __11/2015



1 REVEGETATION AND HABITAT RELATIONSHIPS L-6 SCALE: NTS SECTION

PLANT LIST

Scientific Name	Common Name	Growth Form	Beach and	Lagoon	Willow Scrub-Wet Meadow, Lower Elevation	Riverbanks	Willow Scrub-Wet Meadow, Higher Elevation	Montane Meadow	Lodgepole Pine	Jeffrey Pine
Scirpus acutus	Tule	P		Х						
Sparganium emersum ssp. emersum	Emersed bur-reed	Р		X						
Typha angustifolium	Cattail	P		X		15				
Achnatherum occidentalis	Western needlegrass	G							X	X
Agrostis exarata	Spike bentgrass	G				X				
Alopecurus aequalis	Short-awn foxtail	G		X	Х					
Bromus carinatus	California brome	G								X
Carex aquatilis	Water Sedge	G	X	х	Х		X		Ī	
Carex athrostachya	Blister sedge	G					X	X		
Carex nebraskensis	Nebraska sedge	G	X		х	X	X	X	X	Х
Carex utriculata	Beaked sedge	G		х	X		X	X		
Deschampsia cespitosa var. cespitosa	Tufted hairgrass	G					X	x		
Deschampsia danthonoides	Annual hairgrass	G	X					- 1200		
Eleocharis macrostachya	Common spikerush	G		х	X	X				1
Elymus glaucus	Blue wildrye	G		-33	0.00		X		X	Ü
Elymus trachycaulus var. intermedia	Intermediate Wheatgrass	G						X	<u> </u>	
Festuca rubra	Red fescue	G						X		
Glyceria elata	Fowl mannagrass	G		х	х	X				
Hordeum brachyantherum	Meadow barley	G	X					X		
Hordeum jubatum	Foxtail barley	G	X							
Juncus balticus	Wiregrass, Baltic rush	G	X	Х	х	X	X			
Juncus effusus	Common rush	G	_ ^	X	X	X	X			
Juncus ensifolius	Sword-leaved rush	G				X	X	-		-
Juncus nevadensis	Nevada rush	G	X					X	1	
Juncus orthophyllus	Straight-leaved rush	G						X		
Leymus triticoides	Creeping wildrye	G	X					1 "	X	X
Poa secunda var. nevadensis	Bluegrass	G						X	X	X
Scirpus micropus	Small Fruited Bulrush	G				X		_ ^_		
Achillea millefolium	Yarrow	P	X					X	X	X
Amica chamossonis var. foliosa	Amica	P	X					X	X	
Aster occidentalis	Western mountain aster	P	X					x	X	X
Fragaria virginiana	Mountain strawberry	P	X		-	10		x	X	, A
Linum lewisii	Flax	P			1			x		
Lupinus breweri	Brewer's lupine	P								X
Lupinus lepidus var. confertus	Clustered tidy lupine	P	X					1		x
Lupinus polyphyllus	Big lupine	P	_^			1	x	X	X	
Oenothera elata var. hookeri	Evening primrose	P	x			+	_^	_^		_

PLANT LIST CONTINUED

Scientific Name	Common Name	Growth	Beach and	Lagoon	Willow Scrub-Wet Meadow, Lower Elevation	Riverbanks	Willow Scrub-Wet Meadow, Higher Elevation	Montane Meadow	Lodgepole Pine	Jeffrey Pine
Penstemon rydbergii var. oreocharis	Meadow beardtongue	Р		-		1		X	X	X
Phacelia hastata	Silverleaf phacelia	P							1 33	X
Polygonum bistortoides	Western bisort	Р					X	Х		
Potentilla glandulosa	Cinquefoil	P					X	X	Х	
Potentilla gracilis	Cinquefoil	Р	X				X	X	X	
Sidalcea oregana ssp. spicata	Checker mallow	P				X	X	X	X	
Smilacina stellata	False Solomon's seal	Р							X	
Stachys ajugoides var. rigida	Hedge nettle	Р					Х	Ī	Х	X
Trifolium longipes	Long-stalked clover	Р					X	X	X	
Nuphar luteum var. polysepalum	Yellow pond-lily	Р		х						
Polygonum amphibium	Water smartweed	Р		X	х					
Polygonum hydropiperoides	Waterpepper	Р		X	X					
Rumex salicifolius	Willow-leaved dock	Р		X	X	X				
Amelanchier alnifolia	Serviceberry	S							X	
Arctostaphylos patula	Greenleaf Manzanita	S							1 1000	X
Artemisia tridentata var. vaseyana	Mountain sagebrush	S							X	X
Berberis aquifolium var. repens	Oregon grape	S							1584	X
Ceanothus prostratus	Squaw carpet	S								X
Chrysothamnus nauseosus	Rubber rabbitbrush	S						1		X
Lonicera conjugalis	Double honeysuckle	S								X
Ribes cereum	Wax current	S								X
Ribes lacustre	Swamp currant	S					х		Х	X
Ribes roezlii var. roezlii	Sierra currant	S								X
Rosa woodsii var. ultramontana	Interior rose	S							Х	X
Salix exigua	Narrow-leaved willow	S	X			X)		
Pinus contorta var. murrayana	Lodgepole pine	Т							X	X
Pinus jeffreyi	Jeffrey pine	Т								X
Salix geyeriana	Geyer's willow	Т		х	Х			J.		1 200
Salix lemmonii	Lemmon's willow	Т	X	Х	X	X	X		Х	
Salix lucida var. lasiandra	Shining willow	Т		Х	Х	X	1313		1979	
Salix scouleriana	Scouler's willow	Т					X		х	
Total Number of Species			17.0	15.0	14.0	13.0	19.0	22.0	24.0	24.0

(EY

G-GRASS P-PERENNIAL S-SHRUB T-TREE



UPPER TRUCKEE RIVER AND MARSH RESTORATION PROJECT

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REVEGETATION SECTION AND PLANT LIST

L-6

REVISIONS # description date

 scale:
 NOT TO SCALE

 job no.:
 00110066.04

 drawn by:
 ML

 checked by:
 JZ

sheet no.: L-6

sheet __25_ of __25_ date: __11/2015