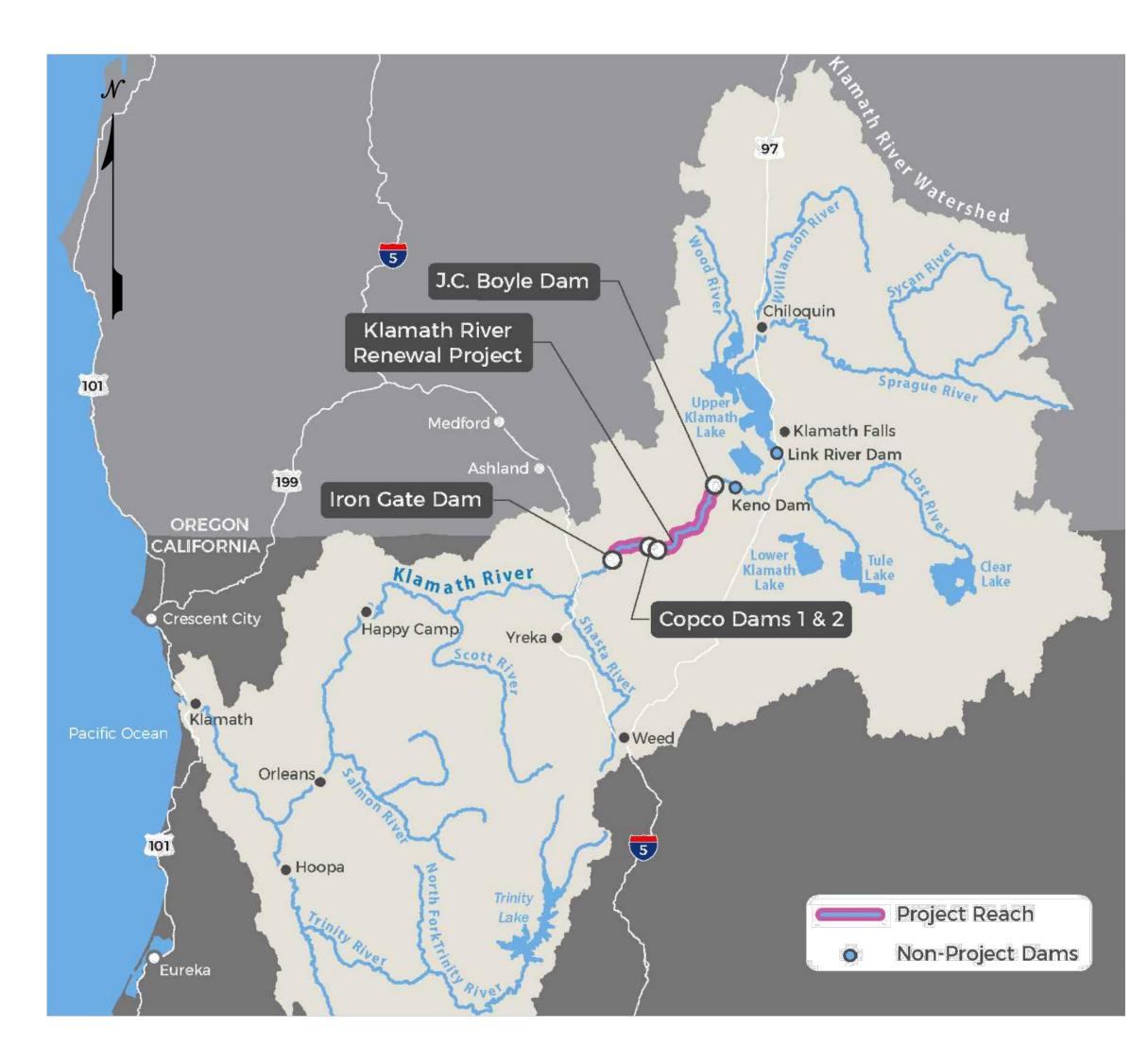
KLAMATH RIVER RENEWAL PROJECT

60% RESTORATION DESIGN DRAWINGS

KLAMATH COUNTY, OREGON SISKIYOU COUNTY, CALIFORNIA



LOCATION MAP

FOR INFORMATION ONLY

PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)

neDrive -							0 1/2 1
shelton\O	В	ISSUED - 60% RESTORATION DESIGN SUBMITTAL	SMS	JFS	MFA	02/07/20	IF THIS BAR DOES NOT MEASURE 1"
sers/s	A	ISSUED - 30% RESTORATION DESIGN SUBMITTAL	SMS	JFS	MFA	10/11/19	THEN DRAWING IS
S	REV	DESCRIPTION	BY	CHK	APP	DATE	NOT TO SCALE

		DF
Stantec	ores	RE
Stantec	75-	IN
		AF

PREPARED BY

JMR, GH AND JM	
.WN SMS	
IEWED JFS	KLAMATH
HARGE SDP	RIVER RENEWAL
ROVED MFA	CORPORATION

PREPARED FOR

KLAMATH RIVER RENEWAL PROJECT
SHEET TITLE
COVER

PROJ# VA103-640/1

DATE 2020.07.02

DWG

R0000

DRAWING INDEX SHEET TITLE SHEET NUMBER 60% SUBMITTAL: GENERAL DRAWING INDEX PROJECT LOCATION, VICINITY AND ACCESS R0002 60% SUBMITTAL: JC BOYLE DAM R1700 JC BOYLE DAM-INDEX JC BOYLE DAM-EXISTING CONDITIONS R1702 JC BOYLE DAM-PLANTING PLAN 1 JC BOYLE DAM-PLANTING PLAN 2 R1704 JC BOYLE-POTENTIAL ASSISTED SEDIMENT EVACUATION AREAS JC BOYLE DAM-SPENCER CREEK PLAN R1706 JC BOYLE DAM-PIER DEMOLOTION JC BOYLE DAM-SPENCER CREEK PROFILE 60% SUBMITTAL: COPCO DAM COPCO DAM-INDEX COPCO DAM-EXISTING CONDITIONS COPCO DAM-PLANTING 1 R2703 COPCO DAM-PLANTING 2 R2704 COPCO DAM-POTENTIAL ASSISTED SEDIMENT EVACUATION AREAS COPCO DAM-DEER CREEK PLAN R2705 R2706 COPCO DAM-DEER CREEK PLAN R2707 COPCO DAM-BEAVER CREEK PLAN R2708 COPCO DAM-BEAVER CREEK PLAN R2709 COPCO DAM-BEAVER CREEK PLAN R2710 COPCO DAM-BEAVER CREEK PLAN COPCO DAM-BEAVER CREEK PLAN COPCO DAM-BEAVER CREEK PLAN R2712 COPCO DAM-PROFILES 60% SUBMITTAL: IRON GATE DAM IRON GATE DAM-INDEX R4701 IRON GATE DAM-EXISTING CONDITIONS R4702 IRON GATE DAM-PLANTING PLAN 1 R4703 IRON GATE DAM-PLANTING PLAN 2 R4704 IRON GATE DAM-PLANTING PLAN 3 R4705 IRON GATE DAM-PLANTING PLAN 4 R4706 IRON GATE DAM-PLANTING PLAN 5 R4707 IRON GATE DAM-POTENTIAL ASSISTED SEDIMENT EVACUATION AREAS IRON GATE DAM-JENNY CREEK PLAN R4709 IRON GATE DAM-JENNY CREEK PLAN IRON GATE DAM-SCOTCH CREEK PLAN IRON GATE DAM-CAMP CREEK PLAN IRON GATE DAM-CAMP CREEK PLAN R4712 R4713 IRON GATE DAM-CAMP CREEK PLAN R4714 IRON GATE DAM-CAMP CREEK AT UNNAMED TRIB 1 PLAN R4715 IRON GATE DAM-CAMP CREEK IRON GATE DAM-CAMP CREEK AT KLAMATH RIVER PLAN R4716 R4717 IRON GATE DAM-LONG GULCH PLAN R4718 IRON GATE DAM-LONG GULCH AT KLAMATH RIVER PLAN R4719 IRON GATE DAM-PROFILES IRON GATE DAM-PROFILES R4720 IRON GATE DAM- PROFILES 60% SUBMITTAL: DETAILS DETAILS DETAILS R0802 DETAILS R0803 R0804 DETAILS DETAILS R0806 DETAILS PLANTING PALETTE PLANTING DETAILS

PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)

-							WARNING
eDrive							0 1/2 1
n\One							
shelton\On	В	ISSUED - 60% RESTORATION DESIGN SUBMITTAL	SMS	JFS	MFA	02/07/20	IF THIS BAR DOES NOT MEASURE 1"
C:\Users\s	Α	ISSUED - 30% RESTORATION DESIGN SUBMITTAL	SMS	JFS	MFA	10/11/19	THEN DRAWING IS
C:\U	REV	DESCRIPTION	BY	CHK	APP	DATE	NOT TO SCALE

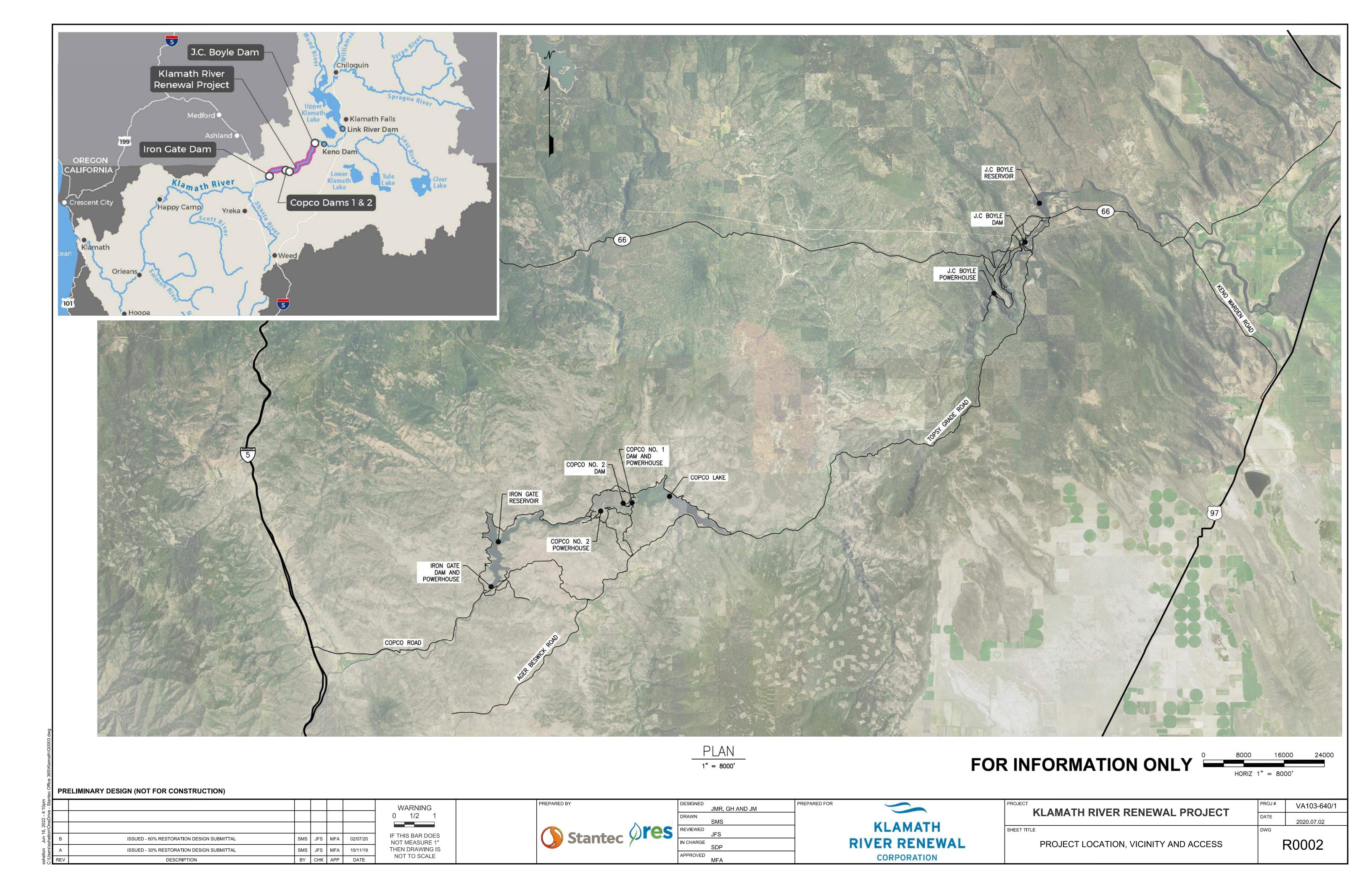
Stantec Pre	S
-------------	---

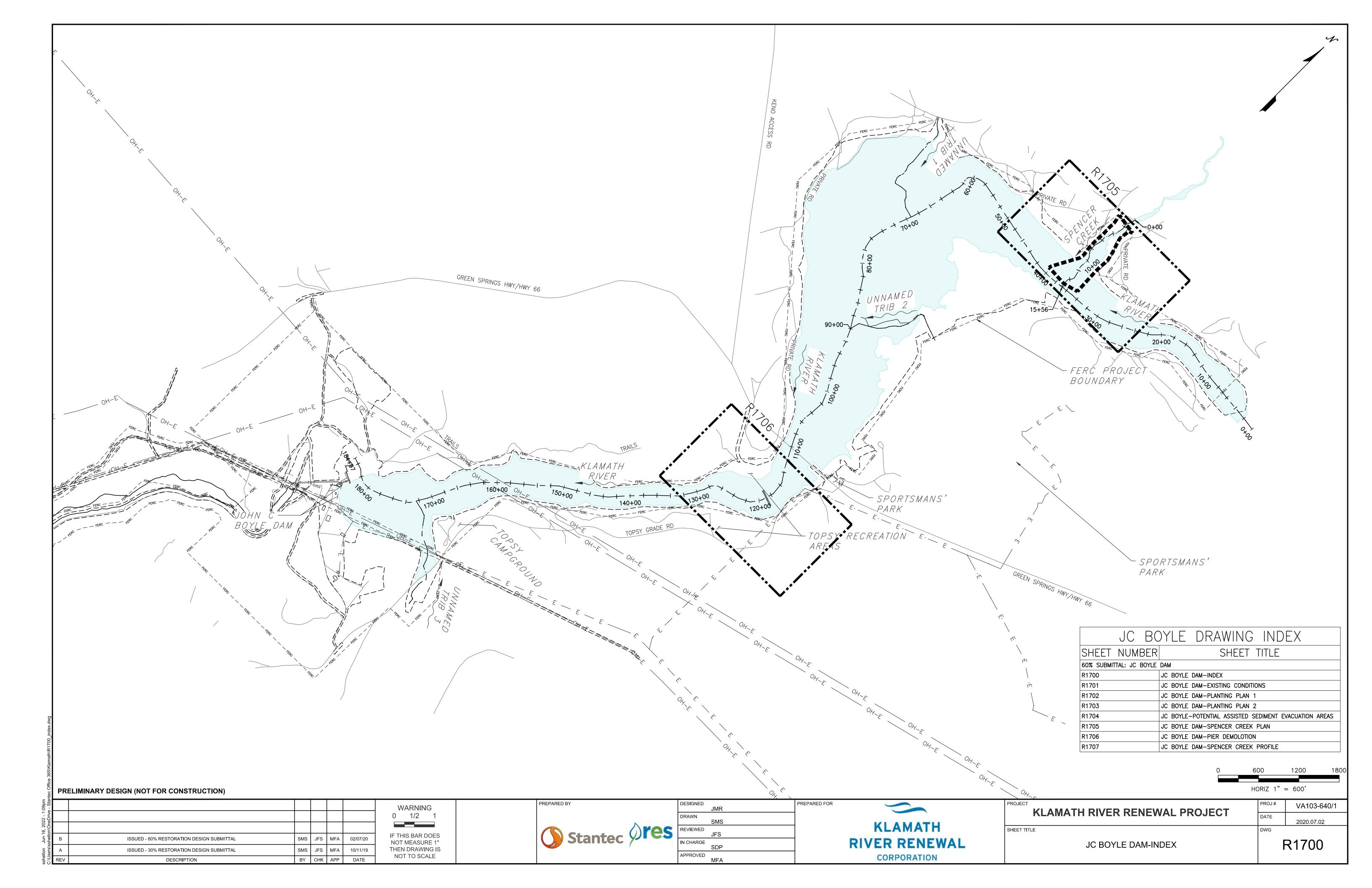
PREPARED BY

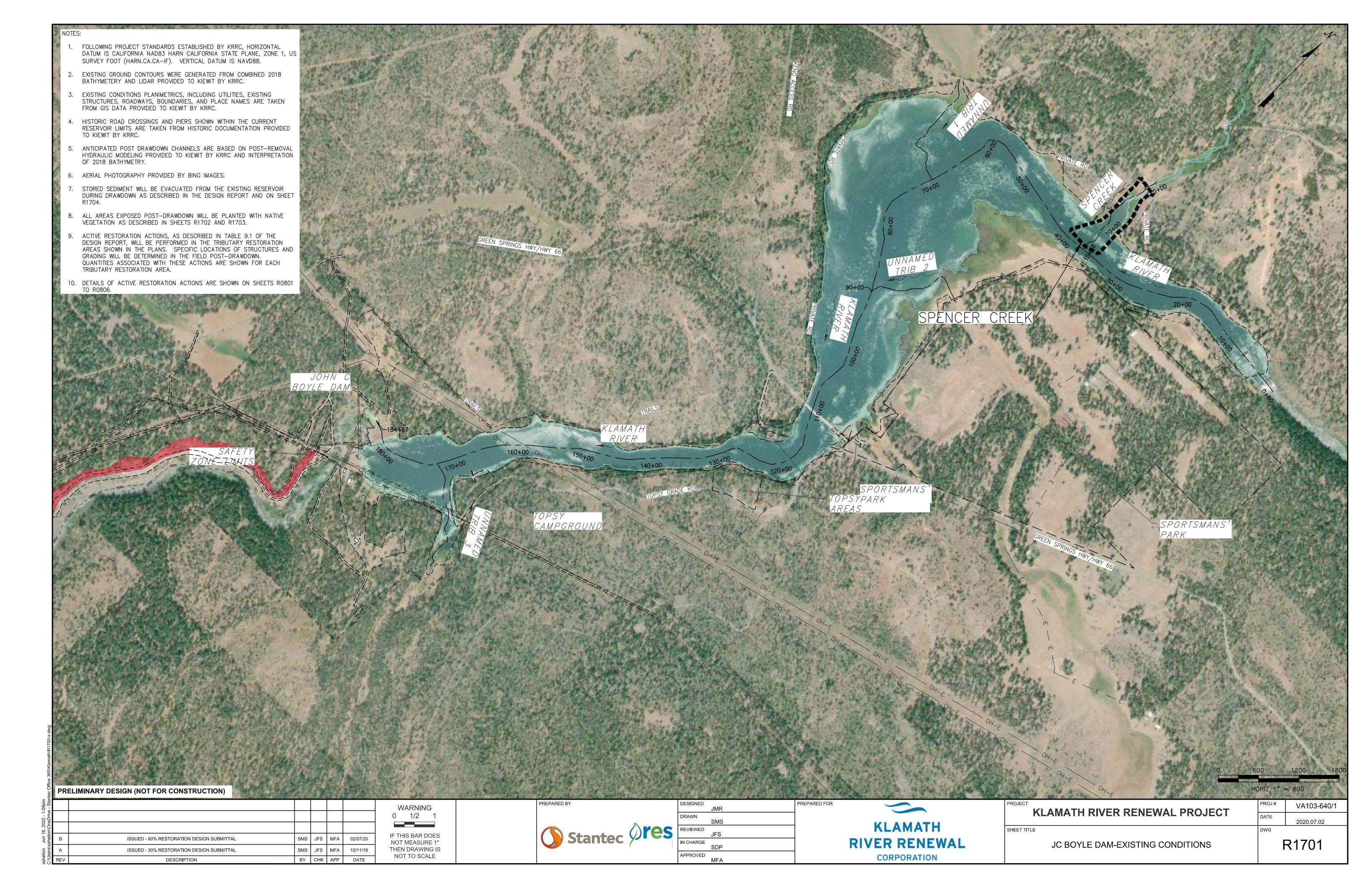
		DESIGNED	JMR, GH AND JM
		DRAWN	SMS
antac	Ores	REVIEWED	JFS
antec	/	IN CHARGE	SDP
		APPROVED	MFA

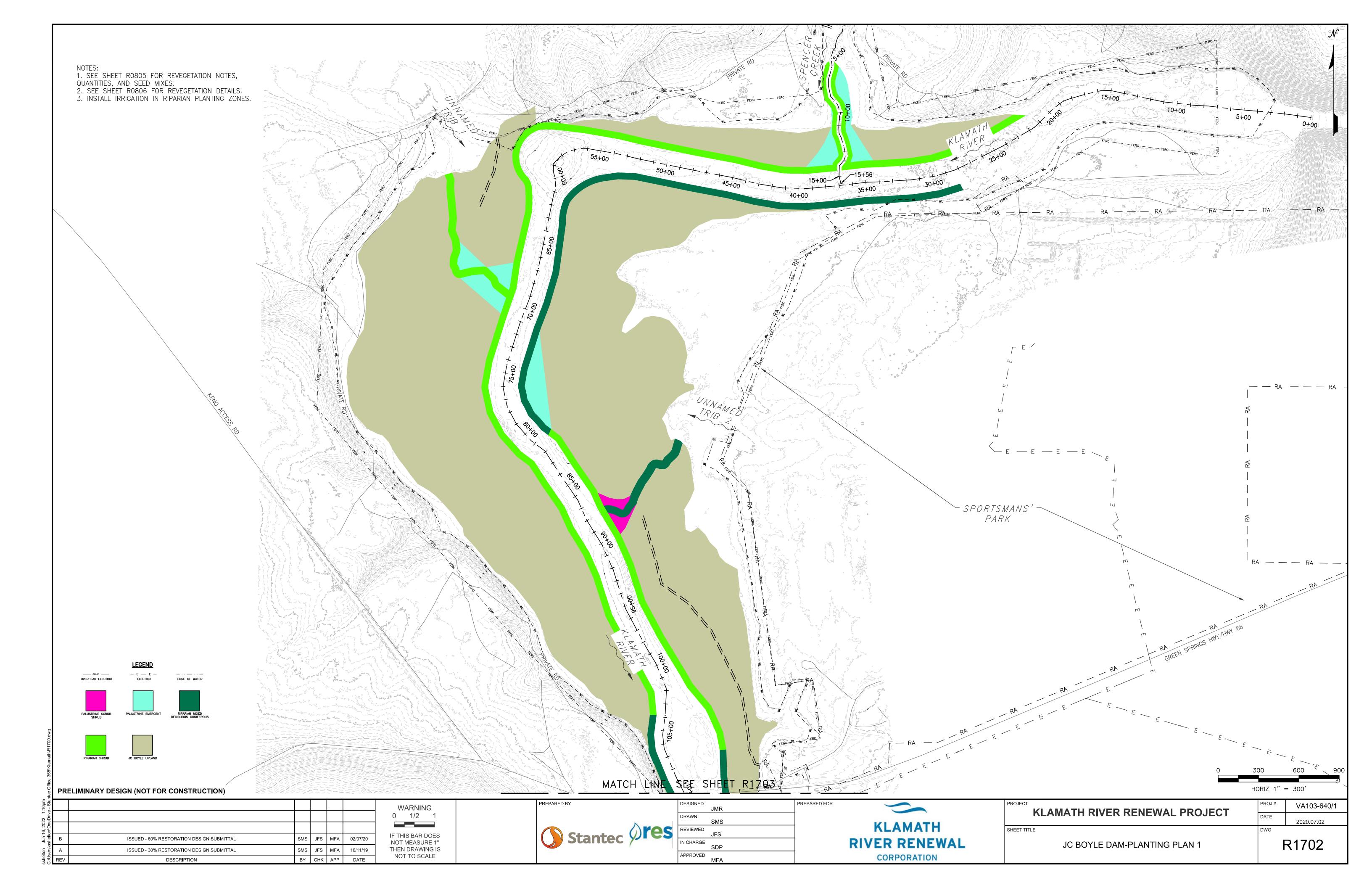


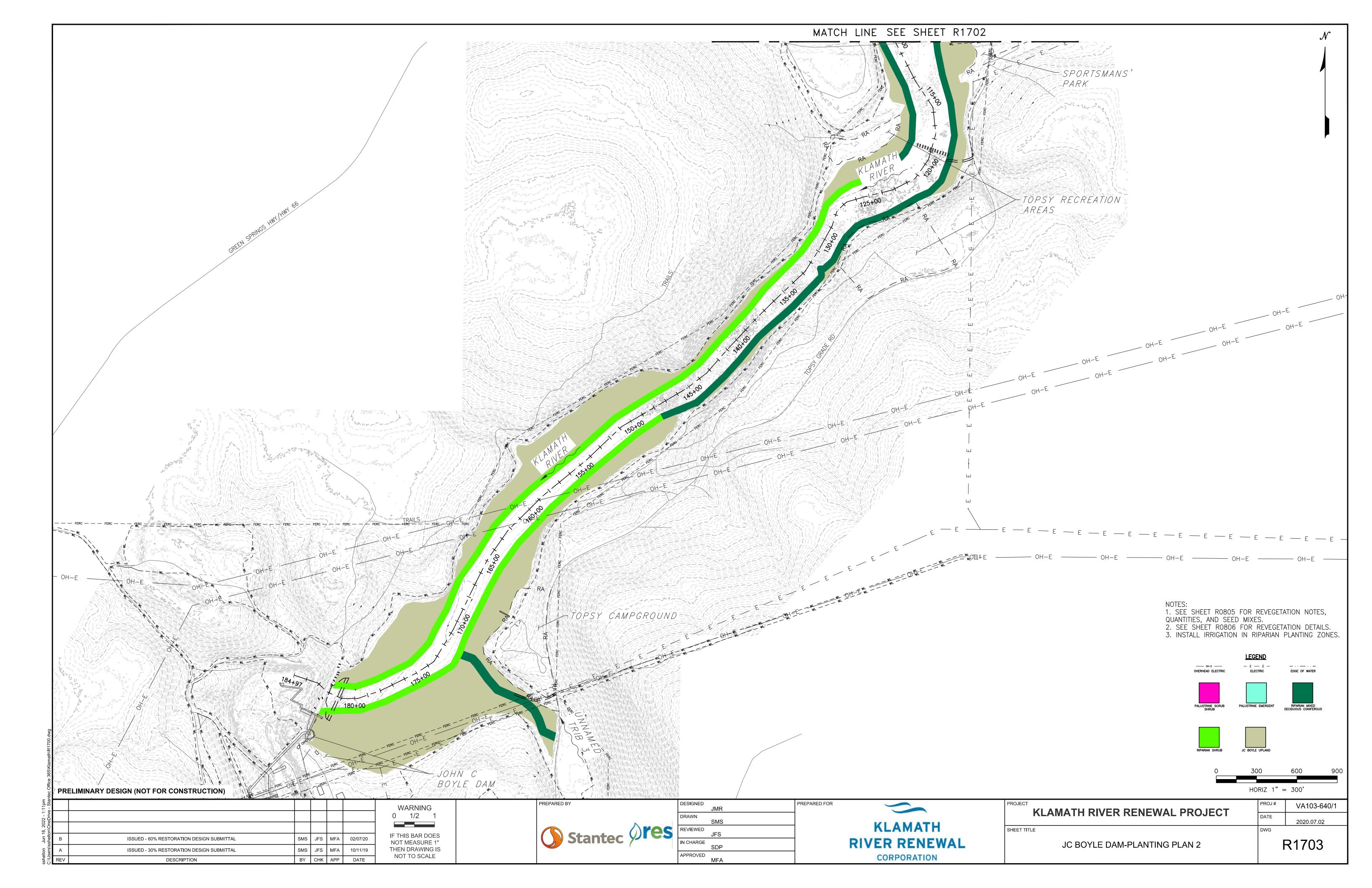
KLAMATH RIVER RENEWAL PROJECT		VA103-640/1	
		2020.07.02	
ET TITLE	DWG		
DRAWING INDEX		₹0001	

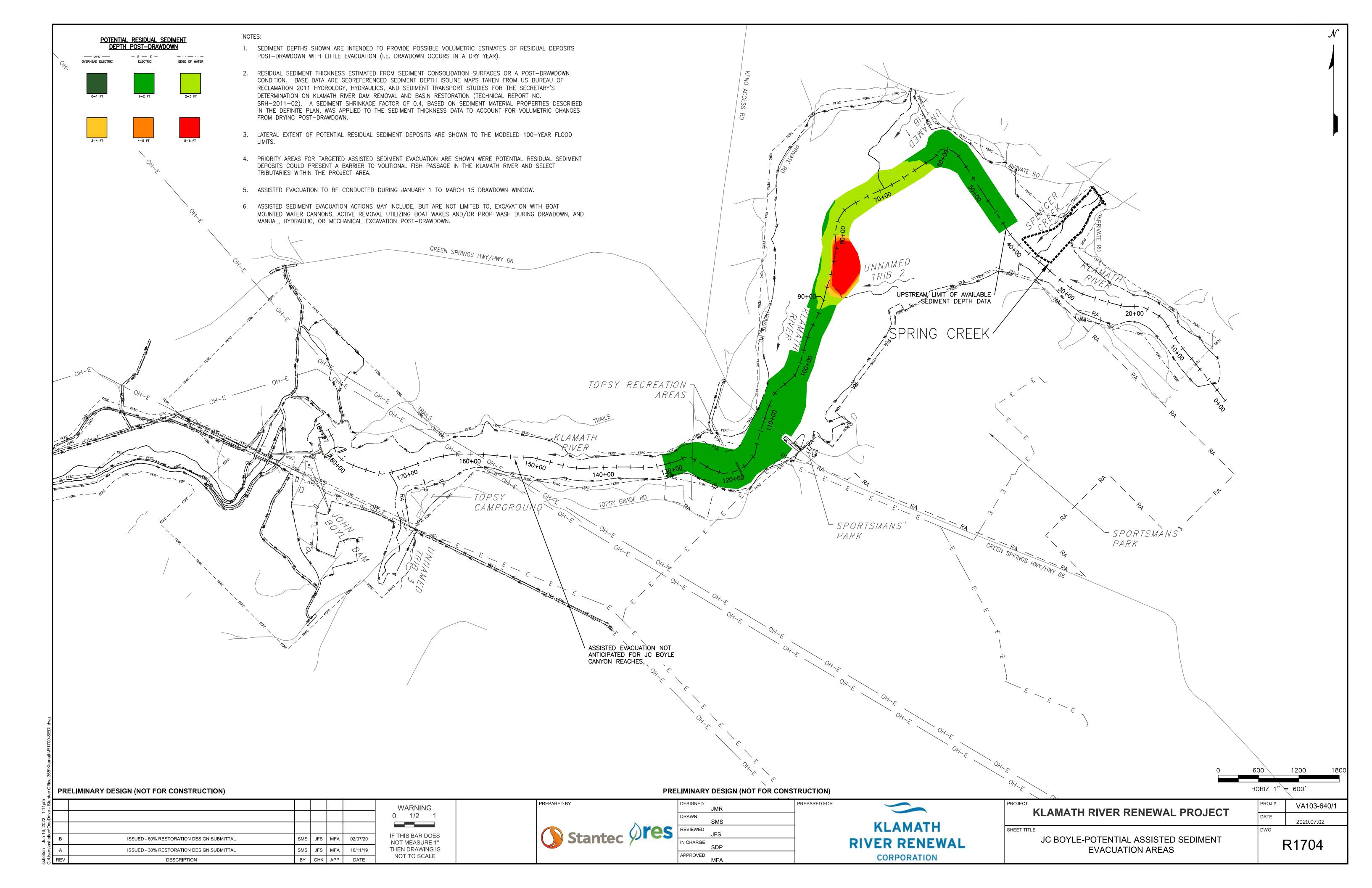


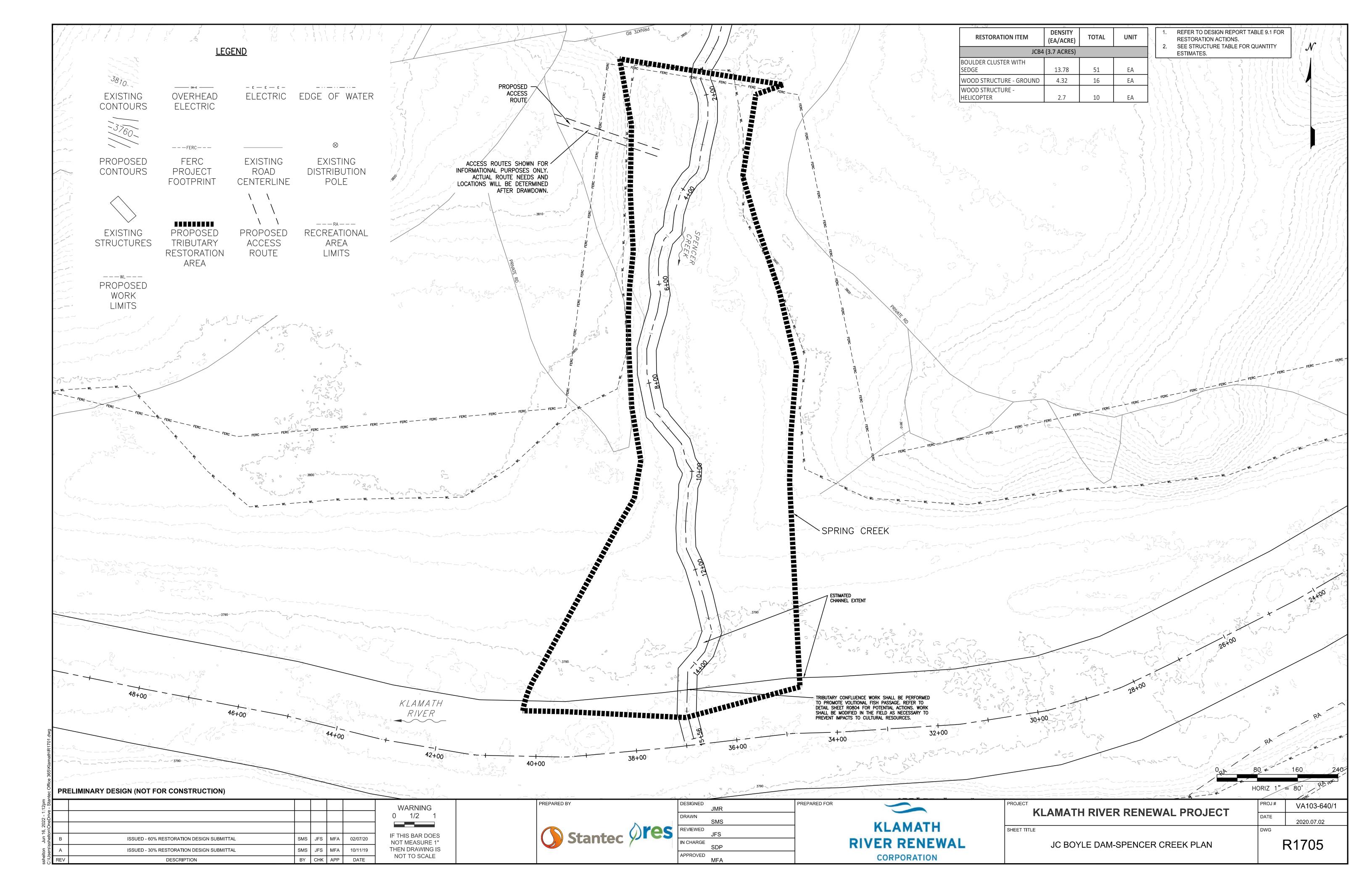


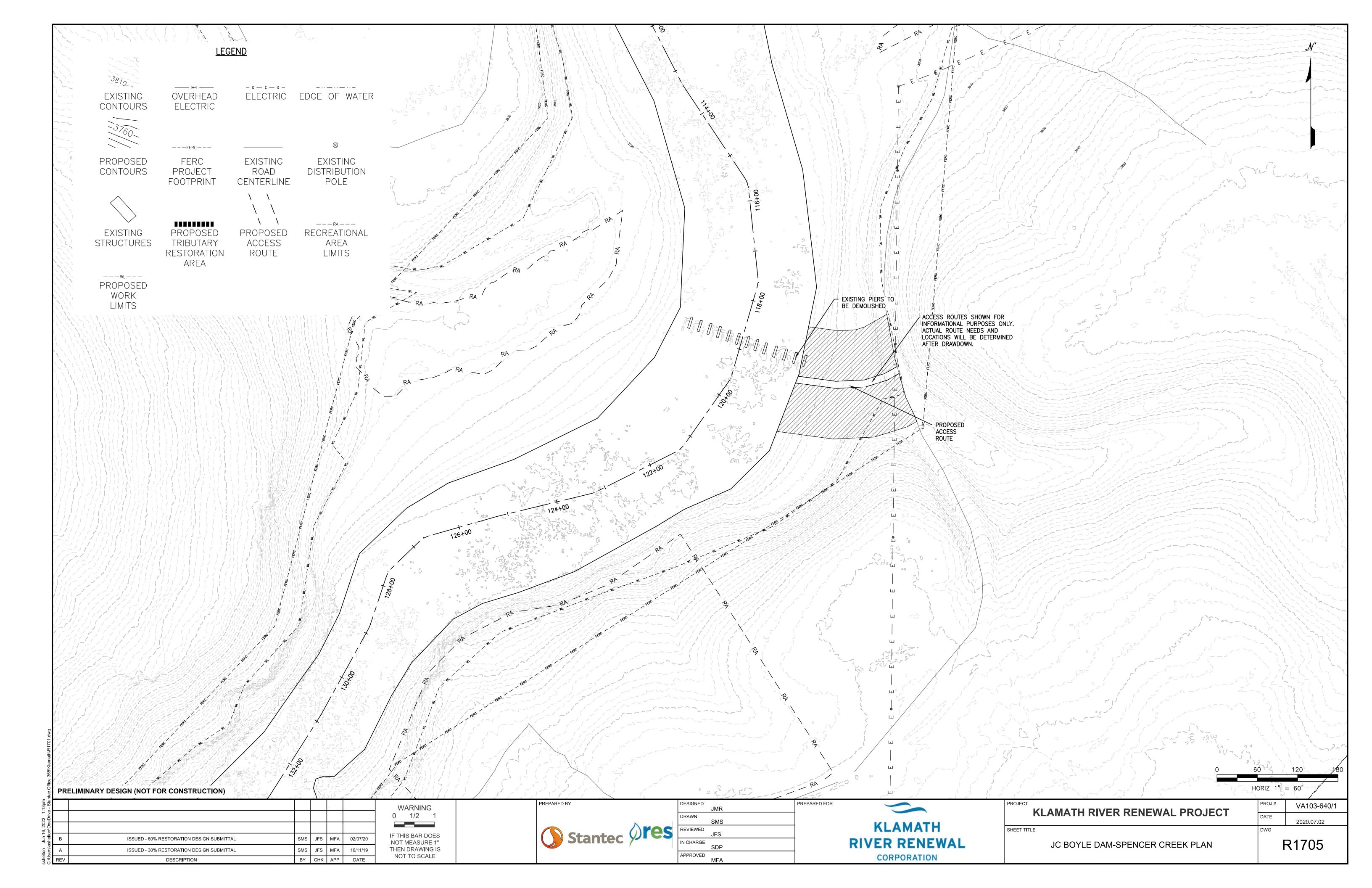


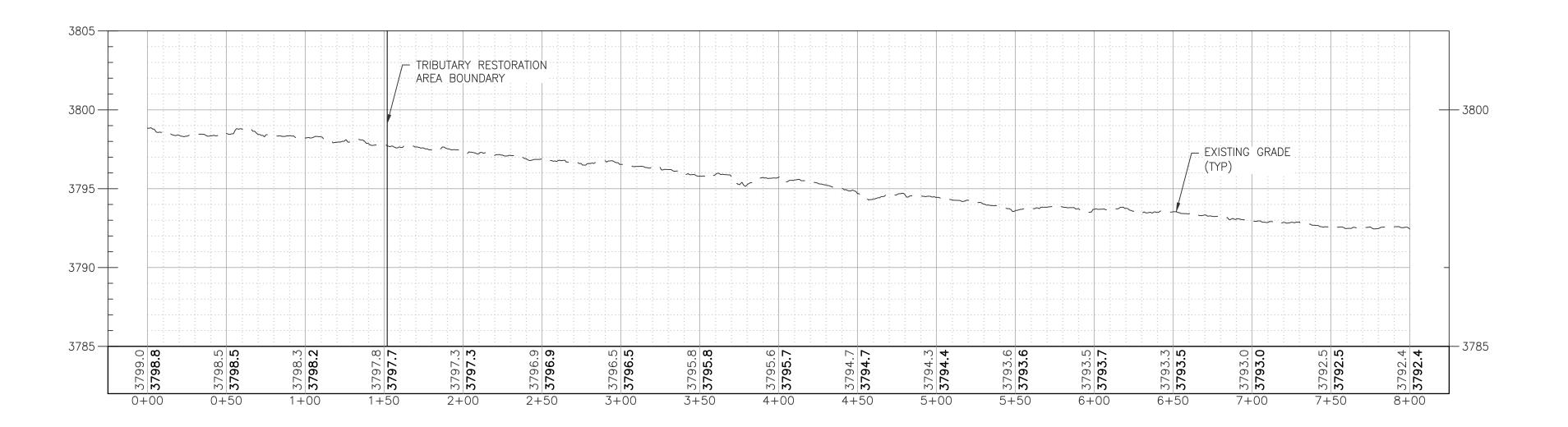






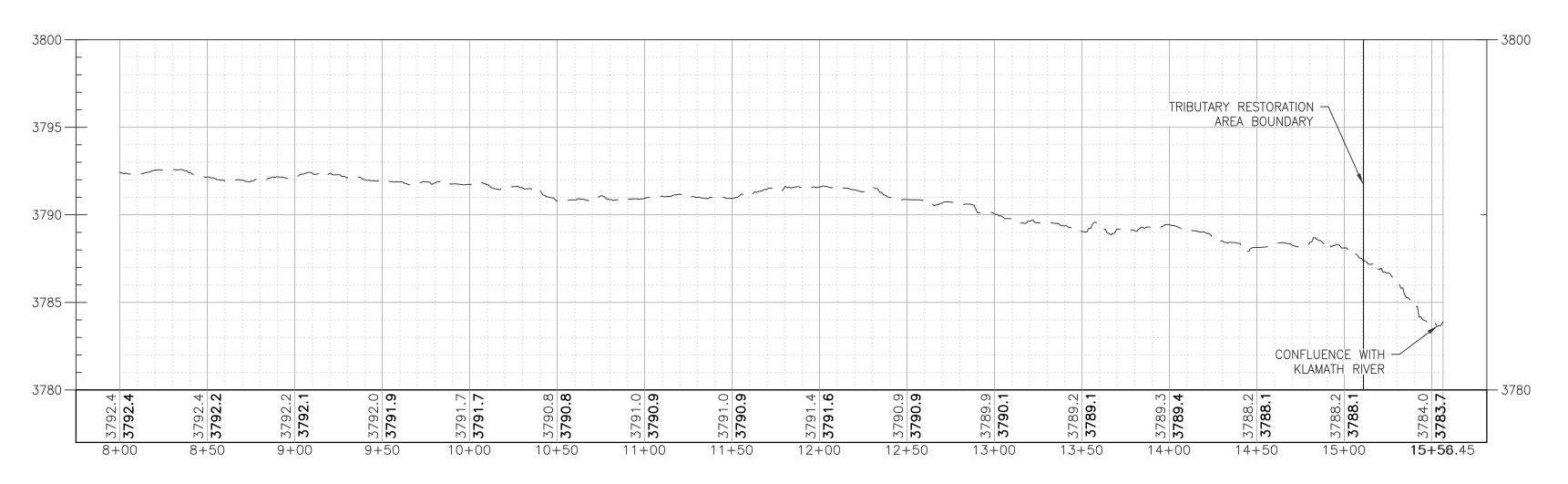






JC BOYLE SPENCER CREEK PROFILE

HORZ 1"=50', VERT 1"=5'



JC BOYLE SPENCER CREEK PROFILE

HORZ 1"=50', VERT 1"=5'

NOTES:

- 1. EXISTING GRADE PROFILES ARE TAKEN FROM THE COMBINED 2018 BATHYMETRY AND LIDAR SURFACES PROVIDED TO KIEWIT BY KRRC.
- 2. POST DRAWDOWN PROFILES ARE NOT SHOWN FOR SPENCER CREEK AS THE REQUIRED BASE DATA ARE NOT AVAILABLE (SEE NOTES 6 AND 7 BELOW). EXCESSIVE RESIDUAL SEDIMENT IS NOT ANTICIPATED IN SPENCER CREEK. HOWEVER, LOCALIZED ADAPTIVE MANAGEMENT ACTIONS TO MAINTAIN VOLITIONAL FISH PASSAGE MAY BE REQUIRED POST—DRAWDOWN. REFER TO SHEETS R0804 THROUGH R0804 FOR ADAPTIVE MANAGMENT ACTIONS AND GRADING APPROACHES.
- 3. POST DRAWDOWN PROFILES ARE INTENDED TO REPRESENT A PLAUSIBLE ENDPOINT FOR BASIN SEDIMENTS AFTER DAM REMOVAL, RESERVOIR DRAWDOWN, AND SEDIMENT EVACUATION IN A TYPICAL YEAR.
- 4. POST DRAWDOWN PROFILES ARE NOT INTENDED TO PROVIDE A GRADING TARGET ELEVATION; HOWEVER, POST-DRAWDOWN GRADING OF RESIDUAL SEDIMENT MAY BE REQUIRED TO PROMOTE VOLITIONAL FISH PASSAGE IN CERTAIN TRIBUTARIES AND AT THEIR CONFLUENCES WITH THE KLAMATH RIVER.
- 5. POST DRAWDOWN SURFACES WERE GENERATED BY ESTIMATING MATERIAL CONSOLIDATION AFTER RESERVOIR DRAWDOWN, SUBTRACTING THE ESTIMATED CONSOLIDATION FROM THE 2018 EXISTING GROUND SURFACE, AND THEN SUBTRACTING ESTIMATED EVACUATION VOLUME WITHIN THE KLAMATH RIVER AND ITS TRIBUTARIES FROM THE RESULTANT SURFACE.
- 6. CONSOLIDATION SURFACE BASE DATA ARE GEOREFERENCED SEDIMENT DEPTH ISOLINE MAPS FROM THE BUREAU OF RECLAMATION 2011 HYDROLOGY, HYDRAULICS, AND SEDIMENT TRANSPORT STUDIES FOR THE SECRETARY'S DETERMINATION ON KLAMATH RIVER DAM REMOVAL AND BASIN RESTORATION (TECHNICAL REPORT NO. SRH-2011-02). FOR J.C. BOYLE, THESE DATA DO NOT EXTEND TO SPENCER CREEK.
- 7. FULL SEDIMENT EVACUATION WAS ASSUMED WITHIN CHANNEL SECTIONS. FOR THE J.C. BOYLE BASIN, REASONABLE PRE—DAM DATA WERE NOT AVAILABLE TO ESTIMATE HISTORIC CONDITIONS. PRE—DAM THALWEG ELEVATIONS WERE ESTIMATED BY SUBTRACTING TOTAL SEDIMENT DEPTHS FROM THE 2011 USBR REPORT FROM THE 2018 EXISTING CONDITIONS SURFACE.

PRELIMINARY DESIGN (NOT FOR CONSTRUCTION)

В	ISSUED - 60% RESTORATION DESIGN SUBMITTAL	SMS	JFS	MFA	02/07/20
Α	ISSUED - 30% RESTORATION DESIGN SUBMITTAL	SMS	JFS	MFA	10/11/19
REV	DESCRIPTION	BY	СНК	APP	DATE

	WARNING
	0 1/2 1
	IF THIS BAR DOES
_	NOT MEASURE 1" THEN DRAWING IS
	NOT TO SCALE



PREPARED BY

	DESIGNED	JMR	PREPA
	DRAWN		
		SMS	1
	REVIEWED		1
		JFS	
	IN CHARGE		1
И		SDP	
	APPROVED		1
		MFA	l



KLAMATH RIVER RENEWAL PROJECT			
RLAMAIN RIVER RENEWAL PROJECT	DATE		
SHEET TITLE	DWG		

JC BOYLE DAM-SPENCER CREEK PROFILE

R1707

VA103-640/1

2020.07.02

