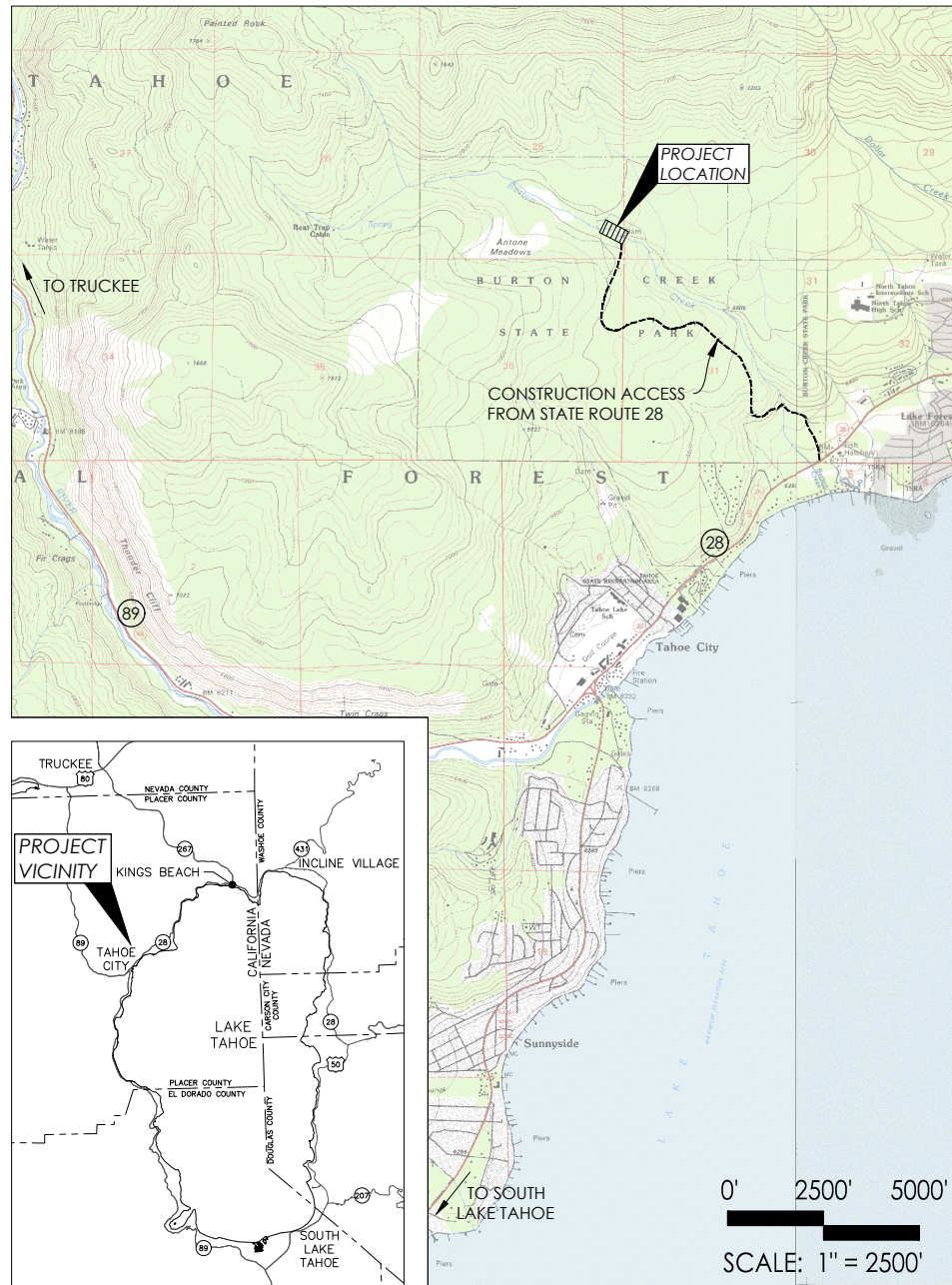


ANTONE DAM REMOVAL AND MEADOW RESTORATION AT BURTON CREEK STATE PARK PLACER COUNTY, CALIFORNIA



LOCATION MAP



SHEET INDEX

- SHEET 1.0: COVER SHEET
- SHEET 2.0: SYMBOLS AND GENERAL NOTES
- SHEET 3.0: CHANNEL RESTORATION PLAN AND PROFILE
- SHEET 3.1: CHANNEL RESTORATION SECTION VIEWS
- SHEET 4.0: CHANNEL RESTORATION TYPICAL DETAILS
- SHEET 5.0: REVEGETATION PLAN

PROJECT TEAM

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DESIGNED BY	DATE	BY	DATE	REVISIONS
PK/DS	1-2-19	PK		50% PLANS
DRAWN BY				
CHECKED BY				
IN CHARGE				
DATE	1-2-2019			

COVER SHEET
ANTONE DAM REMOVAL AND MEADOW
RESTORATION AT BURTON CREEK STATE PARK
PLACER COUNTY, CALIFORNIA
CALIFORNIA STATE PARKS

PROJECT NUMBER
218193
SCALE
-
SHEET

1.0

LEGEND:

EXISTING MAJOR CONTOUR - 5 FT		5835
EXISTING MINOR CONTOUR -1 FT		
EXISTING CHANNEL/FLOWPATH		
EXISTING WATER DIVERSION PIPE		WTR WTR
EXISTING EDGE OF ROAD		
EXISTING PROPERTY LINE		
PROPOSED MAJOR CONTOUR		5950
PROPOSED MINOR CONTOUR		
GRADE BREAK		
GRADING LIMIT		
CONSTRUCTION ACCESS ROUTE LIMIT		
STAGING AREA LIMIT		
PROPOSED FINISHED GRADE SLOPE		2%
PROPOSED SURFACE FLOW DIRECTION		
PROPOSED EMBANKMENT SLOPE (3:1 UNLESS NOTED OTHERWISE)		
PROPOSED 1/2-TON BOULDERS		
BURTON CREEK FLOW DIRECTION		FLOW DIRECTION

ABBREVIATIONS:

'	FEET
"	INCH
#	NUMBER
APPROX	APPROXIMATE
C	CENTERLINE
QSP	CALIFORNIA STATE PARKS
DBH	DIAMETER AT BREST HEIGHT (4' FROM GROUND)
DIA, Ø	DIAMETER
E	EASTING
ECB	EROSION CONTROL BLANKET
EG	EXISTING GRADE
ELEV	ELEVATION
EX	EXISTING
FG	FINISH GRADE
FT	FEET
H	HORIZONTAL
IN	INCH
INV	INVERT
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
N	NORTHING
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
PC	POLE CUTTING
PROP	PROPOSED
RC	RELATIVE COMPACTION
STA	STATION
STR	STRUCTURE
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
TYP	TYPICAL
V	VERTICAL
Z	ELEVATION

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE PROJECT SITE TO VERIFY SITE CONDITIONS AND TO COMPLETELY UNDERSTAND THE REQUIRED SCOPE OF WORK SHOWN ON THESE DRAWINGS AND CONTAINED IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK DEPICTED HEREIN, UNLESS NOTED OTHERWISE.
3. ALL PARTS OF THIS PROJECT - INCLUDING SOIL PREPARATION, EARTHWORK, AND PLANTING - ARE SUBJECT TO FIELD DESIGN BY THE ENGINEER'S REPRESENTATIVE. AT ANY TIME, THE CONTRACTOR'S OPERATIONS AND CONSTRUCTION MAY BE SUBJECT TO OBSERVATION BY THE ENGINEER'S REPRESENTATIVE. WHEN REQUESTING THE PRESENCE OF THE ENGINEER'S REPRESENTATIVE AT THE PROJECT SITE FOR DESIGN CLARIFICATION, STAGE ACCEPTANCE, OR OTHER APPROVALS, THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCE NOTICE DIRECTLY TO THE ENGINEER'S REPRESENTATIVE.
4. UTILITY LOCATIONS DEPICTED HEREIN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BEFORE THE START OF ANY CONSTRUCTION OPERATIONS, INCLUDING AND NOT LIMITED TO EXCAVATION OR TRENCHING. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AT 811/1-800-227-2600. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO BUSINESS DAYS ADVANCE NOTICE FOR LOCATING UTILITIES.
5. THE CONTRACTOR SHALL CONTACT THE ENGINEER'S REPRESENTATIVE IMMEDIATELY UPON FINDING ANY FIELD CONDITIONS THAT WOULD CONFLICT WITH THE INFORMATION INDICATED ON THESE DRAWINGS. ALL FIELD ADJUSTMENTS MUST BE APPROVED BY THE ENGINEER'S REPRESENTATIVE BEFORE CONSTRUCTION OF SAID ADJUSTMENTS; FAILURE TO DO SO SHALL RESULT IN THE CONTRACTOR ASSUMING FULL RESPONSIBILITY FOR ANY REQUIRED REVISIONS OR FIELD MODIFICATIONS, AS DIRECTED BY THE ENGINEER'S REPRESENTATIVE, AT NO ADDITIONAL COST.
6. CONFORM TO EXISTING GRADES AND CONDITIONS WHENEVER POSSIBLE. ANY ADJACENT OR OFFSET AREAS DISTURBED BY THE CONTRACTOR'S OPERATION MUST BE RESTORED BY THE CONTRACTOR TO THE PRE-DISTURBANCE CONDITIONS AND TO THE SATISFACTION OF THE ENGINEER'S REPRESENTATIVE.
7. ALL LUBRICATION, REFUELING, OR MAINTENANCE OF CONSTRUCTION VEHICLES SHALL BE CONDUCTED WITHIN APPROVED CONSTRUCTION STAGING AREAS AND BE A MINIMUM OF 40 FEET AWAY FROM EXISTING CHANNELS OR WETLANDS.
8. PRESERVE TREES AND VEGETATION OUTSIDE OF THE LIMITS OF WORK. ANY TREES OR VEGETATION DISTURBED OUTSIDE OF THE LIMITS OF WORK SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. LIMIT OF WORK SHALL MEAN: AREAS WITHIN GRADING LIMITS, CONSTRUCTION ACCESS ROUTES, AND STAGING AREAS.
9. PROPERTY LINES SHOWN HEREIN ARE APPROXIMATE.
10. TOPOGRAPHIC MAPPING IS BASED ON THE LAKE TAHOE BASIN 2010 LIDAR DATASET. SUPPLEMENTAL BATHYMETRIC MAPPING FOR THE ANTONE DAM RESERVOIR WAS PROVIDED BY CSP AND IS APPROXIMATE. ELEVATIONS ARE REPORTED IN NAVD88.
11. SCALE SIZES INDICATED HEREIN ARE INTENDED FOR PLOTTING ON ANSI SIZE D SHEETS (22" BY 34").
12. THE CONTRACTOR IS SOLELY AND COMPLETELY RESPONSIBLE FOR JOB SITE CONDITIONS DURING CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT APPLIES CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS THE OWNER, THE ENGINEER AND THE ENGINEER'S OFFICERS, DIRECTORS, PARTNERS, EMPLOYEES, AND CONSULTANTS FROM AND AGAINST COSTS, LOSSES, AND DAMAGES (INCLUDING BUT NOT LIMITED TO REASONABLE FEES AND CHARGES OF ENGINEERS, ARCHITECTS, ATTORNEYS, AND OTHER PROFESSIONALS, AND REASONABLE COURT OR ARBITRATION OR OTHER DISPUTE RESOLUTION COSTS) CAUSED BY THE NEGLIGENCE ACTS OR OMISSIONS OF THE CONTRACTOR OR CONTRACTOR'S OFFICERS, DIRECTORS, PARTNERS, EMPLOYEES, CONSULTANTS AND SUBCONTRACTORS.

ENVIRONMENTAL REQUIREMENTS NOTES:

1. REFER TO THE PROJECT EROSION CONTROL PLAN FOR WATER QUALITY PROTECTION REQUIREMENTS.
2. PROVIDE ADEQUATE CONTROLS FOR DUST, WATER POLLUTION, AIR POLLUTION, AND NOISE POLLUTION PER THE CONTRACT PROVISIONS.
3. ALL CONSTRUCTION EQUIPMENT SHALL BE PROPERLY SERVICED AND MAINTAINED IN EXCELLENT OPERATING CONDITION TO REDUCE EMISSIONS. NO LEAKS OF ANY SIZE ARE PERMITTED AT ANY TIME. THE CONTRACTOR SHALL SECURE REPLACEMENTS FOR ANY EQUIPMENT THAT IS INOPERABLE FOR MORE THAN TWO (2) DAYS. CONTRACTOR SHALL MAKE COPIES OF EQUIPMENT SERVICE LOGS AVAILABLE UPON REQUEST.
4. EXCESS MATERIAL SHALL BE DISPOSED OF CONSISTENT WITH ALL APPLICABLE LEGAL REQUIREMENTS. FOR MATERIALS DISPOSED OFFSITE, THE CONTRACTOR SHALL OBTAIN DISPOSAL FACILITY PERMITS. RECYCLED MATERIALS SHALL BE RECYCLED OFFSITE AS PER STATE AND LOCAL REGULATIONS. ANY CHEMICAL OR HAZARDOUS MATERIAL USED IN THE PERFORMANCE OF THE WORK SHALL BE HANDLED, STORED, APPLIED, AND DISPOSED OF CONSISTENT WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

EARTHWORK GENERAL NOTES:

1. EARTHWORK OPERATIONS SHALL BE EXECUTED ACCORDING TO THESE PLANS AND THE RELEVANT PROJECT PERMITS.
2. THE AMOUNT OF EXCAVATION IS ANTICIPATED TO EXCEED THE AMOUNT OF FILL. OFF-HAUL AND DISPOSAL OF MATERIAL WILL BE REQUIRED.
3. THE CONTRACTOR SHALL CONSTRUCT FINISHED SURFACES TO ±0.2' OF THE ELEVATIONS INDICATED ON THE PLANS.
4. EXCAVATING, FILLING, AND GRADING WORK SHALL NOT BE PERFORMED DURING WEATHER CONDITIONS WHICH MIGHT DAMAGE OR BE DETRIMENTAL TO THE CONDITION OF EXISTING GROUND, IN-PROGRESS WORK, OR COMPLETED WORK. WHEN THE WORK IS INTERRUPTED BY RAIN; EXCAVATING, FILLING, AND GRADING WORK SHALL NOT RESUME UNTIL THE SITE AND SOIL CONDITION (MOISTURE CONTENT) ARE SUITABLE FOR COMPACTION.
5. SOIL MATERIAL THAT IS TOO WET FOR COMPACTION OR FOR SHALL BE LEFT TO DRAIN, THEN TO BE AERATED AND DRIED BY DISKING AND HARROWING OR OTHER APPROVED METHODS UNTIL THE ENGINEER'S REPRESENTATIVE APPROVES THE DRIED MATERIAL. IF THE MATERIAL IS STILL NOT SUITABLE FOR COMPACTION IN THE OPINION OF THE ENGINEER'S REPRESENTATIVE, THE MATERIAL SHALL BE OFF-HAULED AT NO EXTRA COST.
6. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS FOR THE EROSION CONTROL MEASURES SHOWN ON THESE PLANS (SEE ENVIRONMENTAL REQUIREMENTS NOTES).
7. MATERIAL USED FOR FILL SHALL BE AN INERT, INORGANIC SOIL, FREE FROM DELETERIOUS SUBSTANCES, AND OF SUCH QUALITY THAT IT WILL COMPACT THOROUGHLY WITHOUT THE PRESENCE OF VOIDS WHEN ROLLED. INORGANIC SOIL IS DEFINED AS SOIL CONTAINING LESS THAN TWO PERCENT BY WEIGHT OF ORGANIC MATERIAL WHEN TESTED IN ACCORDANCE WITH ASTM D2974. EXCAVATED ON-SITE MATERIAL WILL BE CONSIDERED SUITABLE FOR FILL, IF IT IS FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES AND CONFORMS TO THE REQUIREMENTS SPECIFIED HEREIN.
8. EXCAVATED MATERIAL THAT IS SUITABLE FOR FILL SHALL BE CONDITIONED FOR REUSE AND PROPERLY STOCKPILED FOR LATER FILLING OPERATIONS. CONDITIONING SHALL CONSIST OF SCREENING THE MATERIAL TO SEPARATE CLASTS GREATER THAN 3" IN DIAMETER. STOCKPILE 3" PLUS CLASTS SEPARATELY FOR USE AS CHINKING MATERIAL FOR THE BOULDER SILL. REMOVE OTHER ORGANIC MATTER, DEBRIS, AND RUBBLE AND DISPOSE OF OFF-SITE. CONDITIONING MAY TAKE PLACE WITHIN THE GRADING LIMITS AND STAGING AREAS. EXCAVATED MATERIALS SHALL BE DEEMED SUITABLE IF MATERIALS CONFORM TO THE NOTES HEREIN AND ARE ACCEPTED BY THE ENGINEER'S REPRESENTATIVE. DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF.
9. STOCKPILE BOULDERS ENCOUNTERED DURING EXCAVATION THAT MEET THE BOULDER SPECIFICATIONS HEREIN (SEE SHEET 4.0). USE ALL BOULDERS MEETING SPECIFICATIONS BEFORE IMPORTING BOULDERS.
10. MATERIAL EXCAVATED FROM THE PROJECT SITE SHALL BE DEEMED UNSUITABLE FOR REUSE IF IT IS: OF SUCH NATURE AS TO BE INCAPABLE OF BEING COMPACTED TO SPECIFIED DENSITY USING ORDINARY METHODS, TOO WET TO BE PROPERLY COMPACTED AND CIRCUMSTANCES PREVENT SUITABLE DRYING PRIOR TO INCORPORATION INTO THE WORK, FOUND TO CONTAIN DEBRIS WASTE, VEGETATION OR OTHER DELETERIOUS MATTER, OR OTHERWISE DEEMED UNSUITABLE BY THE ENGINEER'S REPRESENTATIVE.
11. MAINTAIN SLOPES AND EMBANKMENTS UNTIL SUBSTANTIAL COMPLETION AND ACCEPTANCE OF THE WORK. PROMPTLY REPAIR SLIDES, SLIPOUTS, WASHOUTS, SETTLEMENTS, AND SUBSIDENCES THAT OCCUR FOR ANY REASON, AND REFINISH THE SLOPE OR EMBANKMENT TO THE INDICATED LINES AND GRADES. COMPLY WITH APPLICABLE REQUIREMENTS OF CCR, TITLE 8, TRENCH CONSTRUCTION SAFETY ORDERS.
12. THE CONTRACTOR SHALL TAKE ALL MEANS NECESSARY TO PREVENT THE INTRODUCTION AND SPREAD OF NON-NATIVE PLANTS.
13. FILL MATERIAL SHALL BE PLACED IN LIFTS NO GREATER THAN 6 INCHES EACH. COMPACT EACH LAYER BY REPEATEDLY TRAVERSING OVER EACH LIFT WITH TRACKED EQUIPMENT (MINIMUM EQUIPMENT WEIGHT OF 5 TONS) UNTIL UNYIELDING. PROVIDE WATER DURING FILL PLACEMENT TO ENHANCE SOIL MOISTURE CONTENT. THE CONTRACTOR IS RESPONSIBLE FOR ACHIEVEMENT OF PROPER COMPACTION DURING FILL AND BACKFILL PLACEMENT.
14. ENSURE THAT THE TOP 2" OF SOIL IN PLACED FILL IS FREE OF CONCRETE, RUBBLE, DEBRIS, BRANCHES, ROOTS, STUMPS, WIRE, OR OTHER DELETERIOUS MATTER 1" IN DIAMETER AND LARGER. DISPOSE OF DEBRIS OFFSITE ACCORDING TO STATE AND LOCAL REGULATIONS AT NO ADDITIONAL COST.
15. THE CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL MEASURES DURING EARTHWORK OPERATIONS THAT ARE IN ACCORDANCE WITH LOCAL AND STATE REQUIREMENTS, ALONG WITH PERMIT CONDITIONS.
16. THE ENGINEER'S REPRESENTATIVE SHALL APPROVE FINISH GRADE ELEVATIONS.



DESIGNED BY	PK/DS	DRAWN BY	PK	CHECKED BY	DS	IN CHARGE	DATE
							1-2-2019
SUBMITTALS / REVISIONS							
BY	DATE	PK	50% PLANS				
	1-2-19						

SYMBOLS AND GENERAL NOTES

ANTONE DAM REMOVAL AND MEADOW RESTORATION AT BURTON CREEK STATE PARK
 PLACER COUNTY, CALIFORNIA
 CALIFORNIA STATE PARKS

PROJECT NUMBER
218193

SCALE
-

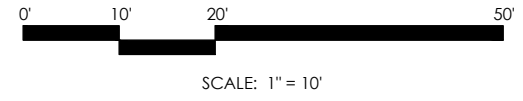
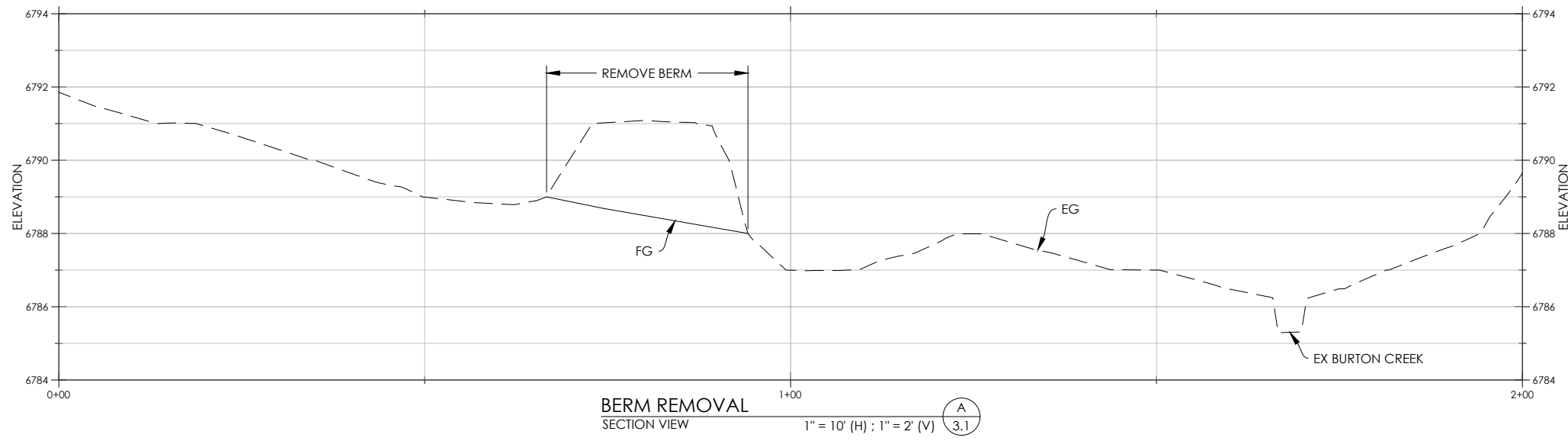
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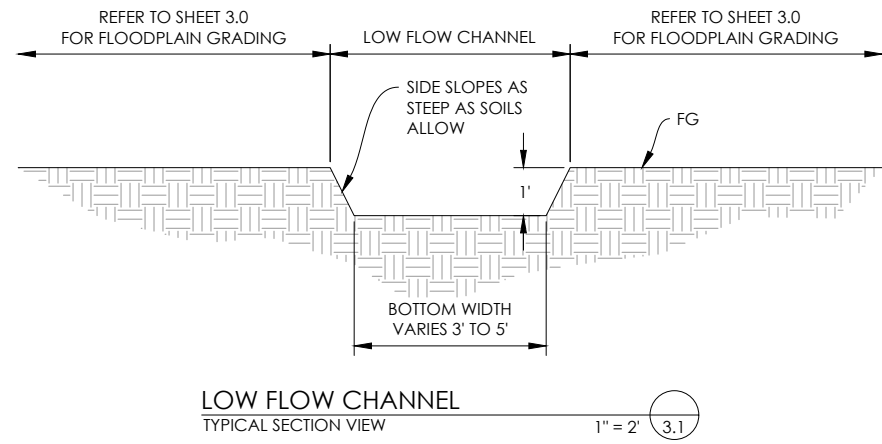
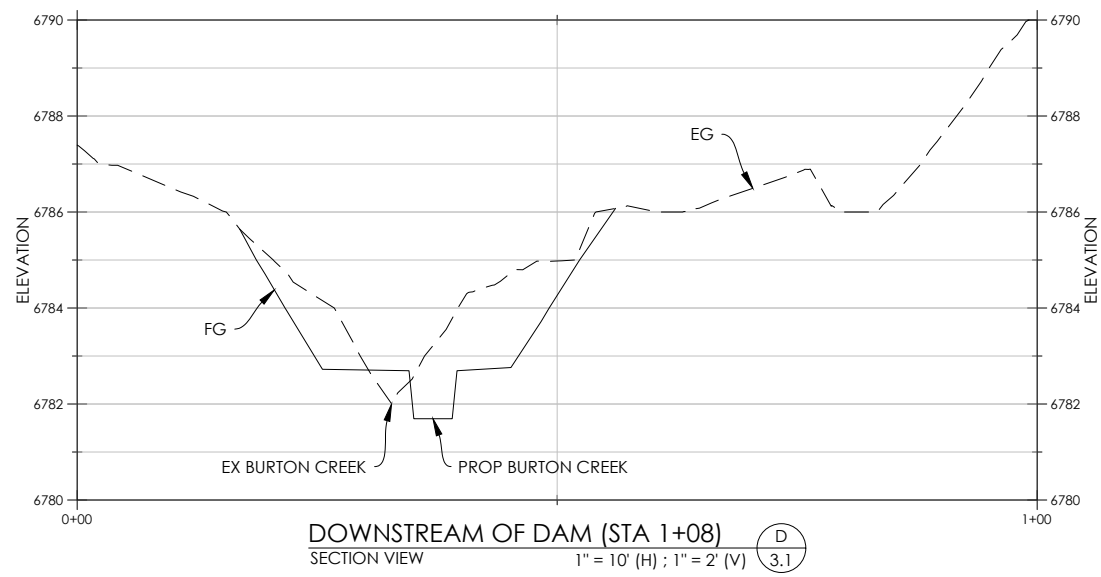
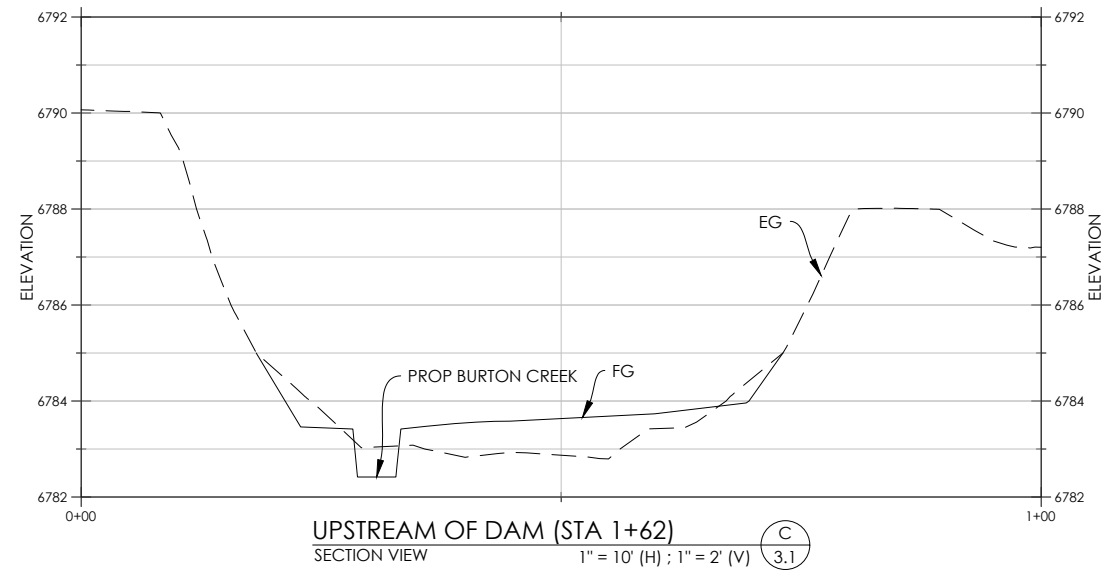
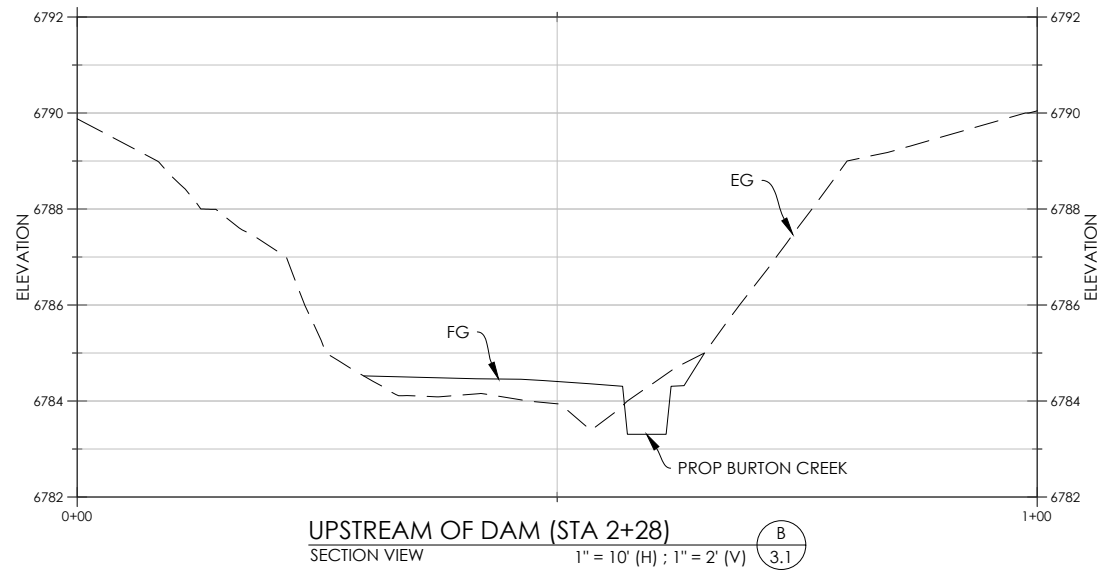
Y:\PROJECTS\218193 CA PARKS ANTON DAM REMOVAL\218193 CAD\218193 SHEETS\218193-50-NOTES.DWG

50% PLANS - NOT FOR CONSTRUCTION

Y:\PROJECTS\218193 CA PARKS ANTON DAM REMOVAL\218193 CAD\218193 SHEETS\218193.31-SECTIONS.DWG



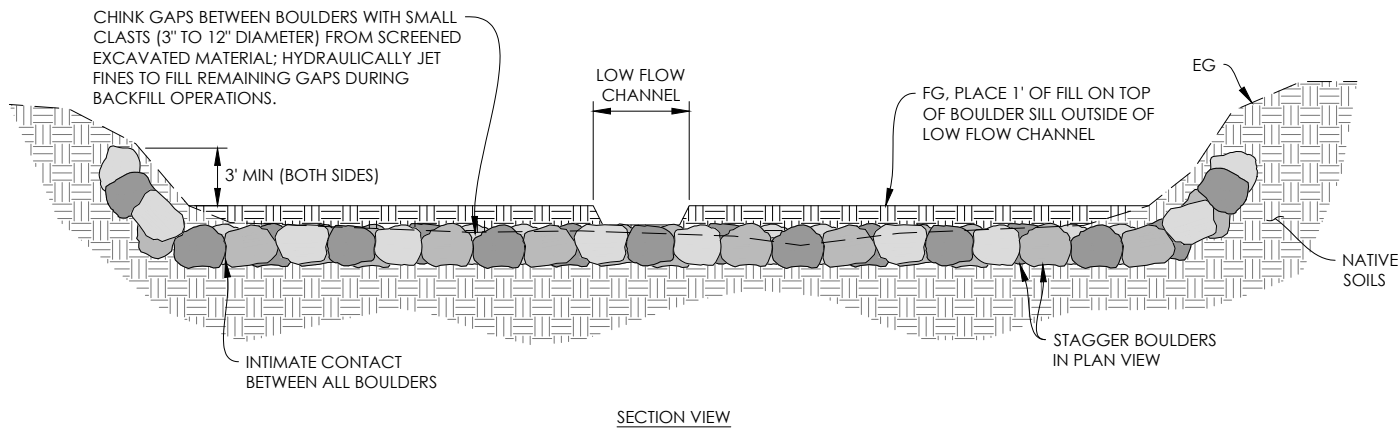
- NOTES:**
- EXISTING GROUND (EG) IS BASED ON LIDAR DATA AND MINOR TOPOGRAPHIC FEATURES MAY NOT BE ACCURATELY REPRESENTED.
 - FOR REFERENCE, THE ANTON DAM IS STA 1+34. SEE SHEET 3.0 FOR THE BURTON CREEK STATIONING LINE.
 - THE ENGINEER'S REPRESENTATIVE SHALL APPROVE THE SUBGRADE AS BEING SUITABLE FOR ACCEPTING FILL PRIOR TO ANY FILL PLACEMENT.



DESIGNED BY	DATE	BY	DATE	REVISIONS / REVISIONS
PK/DS	1-2-19	PK		50% PLANS
DRAWN BY				
CHECKED BY				
IN CHARGE				
DATE	1-2-2019			

CHANNEL RESTORATION SECTION VIEWS
ANTONE DAM REMOVAL AND MEADOW RESTORATION AT BURTON CREEK STATE PARK
PLACER COUNTY, CALIFORNIA
CALIFORNIA STATE PARKS

PROJECT NUMBER
218193
SCALE
1" = 10' (H) ; 1" = 2' (V)
SHEET

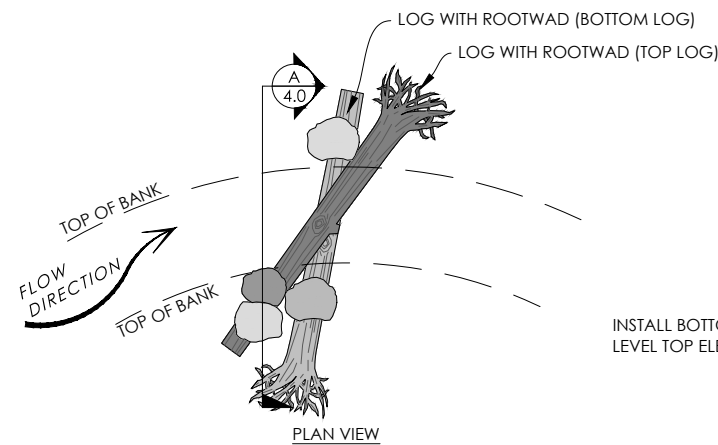


1 BOULDER SILL - TYPICAL DETAIL
SCALE: 1" = 5'

BOULDER SILL NOTES:

1. BOULDERS
 - 1.1. BOULDERS CAN BE COMPOSED OF A VARIETY OF ROCK TYPES FOUND IN THE WATERSHED SUCH AS IGNEOUS ROCKS (DIORITE, BASALT, ANDESITE). BOULDERS SHALL HAVE NO CRACKS, BEDDING PLANES, OR OTHER WEAKNESSES. BOULDERS SHALL NOT HAVE CRACKS FILLED, OR HEALED, WITH CALCITE.
 - 1.2. BOULDERS SHALL BE CLEAN SUBANGULAR TO SUBROUNDED ROCK. BLASTED OR ANGULAR ROCK WILL NOT BE ACCEPTED.
 - 1.3. BOULDERS SHALL HAVE A MINIMUM OF 2' DIAMETER IN ALL DIMENSIONS AND SHALL WEIGH A MINIMUM OF 0.5 TONS. BOULDERS NOT MEETING BOTH OF THESE CRITERIA WILL BE REJECTED BY THE ENGINEER'S REPRESENTATIVE.
 - 1.4. THE CONTRACTOR SHALL SUBMIT SAMPLE PHOTOS OF THE BOULDERS TO THE ENGINEER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PLACING ANY BOULDERS. THE PHOTOS SHALL SHOW ALL SIDES OF AT LEAST THREE BOULDERS AND SHALL INCLUDE A PERSON OR YARDSTICK FOR SCALE.

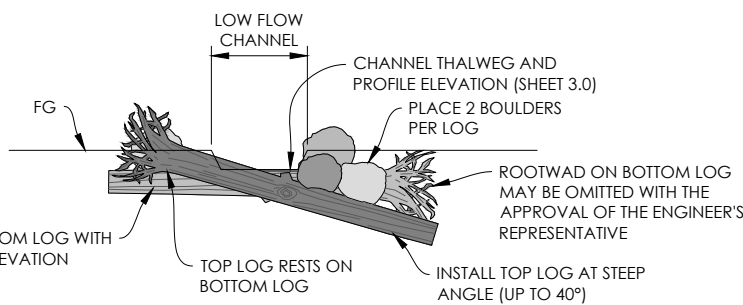
- 1.5. THE CONTRACTOR SHALL REPLACE REJECTED BOULDERS OR BOULDERS BROKEN DURING DELIVERY OR HANDLING AT NO ADDITIONAL COST.
- 1.6. BOULDERS ENCOUNTERED DURING EXCAVATION SHALL BE USED BEFORE MATERIAL IS IMPORTED FROM OFF-SITE.
2. CHINKING MATERIAL SHALL BE 3" TO 12" CLASTS SCREENED FROM EXCAVATED MATERIAL. SEE EARTHWORK NOTES, SHEET 2.0.



2 LOG VANE - TYPICAL DETAIL
SCALE: NTS

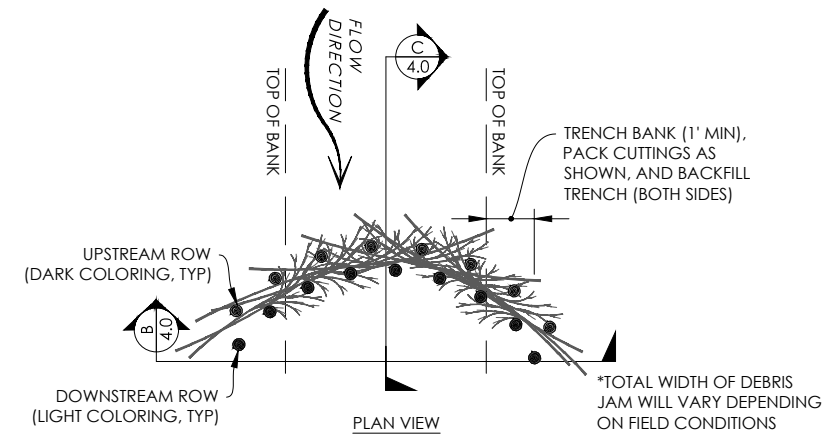
LOG VANE NOTES:

1. LOGS WITH ROOTWADS
 - 1.1. THERE ARE NO LIMITATIONS TO THE SPECIES OF LOGS OBTAINED, OTHER THAN THE EXCEPTION OF LODGEPOLE AND THEY MUST COME FROM WITHIN A 25-MILE RADIUS OF THE PROJECT SITE, AND BE SOURCED FROM AN AREA HAVING SIMILAR CLIMATE, ELEVATION, AND VEGETATION COMMUNITIES AS THE PROJECT SITE.
 - 1.2. LOGS SHALL BE SOUND, FREE FROM ROT OR INFESTATION BY INSECTS, AND FREE OF ADHERED DIRT, LITTER, OR OTHER MATERIAL.
 - 1.3. LOGS SHALL HAVE NO WEAKNESSES SUCH AS CRACKS AND SPLITS THROUGH MORE THAN 25 PERCENT OF THE LOG DIAMETER.

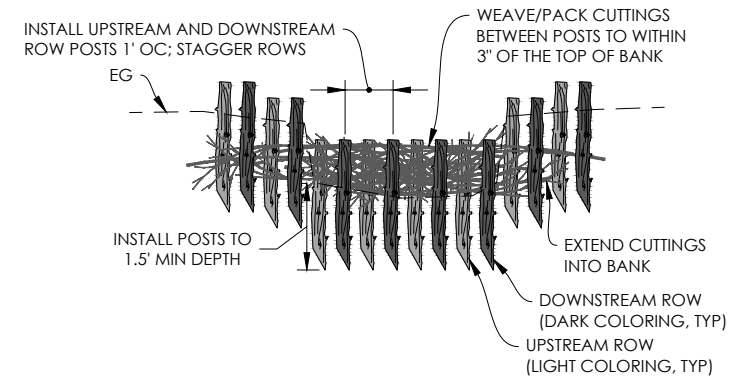


LOG VANE
ELEVATION VIEW
SCALE: 1" = 5' **A** 4.0

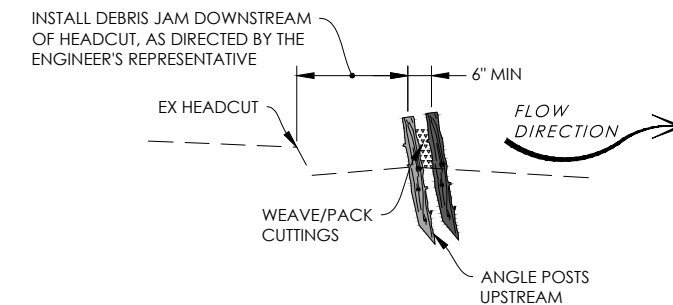
- 1.4. LOGS SHALL BE GENERALLY STRAIGHT AND SHALL BE TRIMMED SO THAT BRANCHES PROTRUDE NO MORE THAN 6 INCHES FROM THE TRUNK.
- 1.5. CUTS SHALL BE SMOOTH, WITHOUT BREAKS OR JAGGED EDGES.
- 1.6. LOGS SHALL BE 15 FEET LONG (MEASURED FROM THE CUT END TO THE ROOTWAD BOLE), AT LEAST 12 INCHES IN DIAMETER (MEASURED AT THE CUT END), AND HAVE THEIR ROOTWADS ATTACHED. ROOTWAD FANS SHALL BE TRIMMED SO THEY ARE NO LARGER THAN 6 FEET IN DIAMETER AND NO SMALLER THAN 3 FEET IN DIAMETER. ROOTWADS SHALL BE THOROUGHLY WASHED AND FREE OF SOIL BEFORE DELIVERY TO THE PROJECT SITE.
- 1.7. LOGS WITH ROOTWADS ENCOUNTERED DURING CLEARING AND DEMOLITIONS OPERATIONS SHALL BE USED BEFORE MATERIAL IS IMPORTED FROM OFF-SITE.
2. BOULDERS SHALL BE AS DESCRIBED IN THE BOULDER SILL NOTES.



3 DEBRIS JAM - TYPICAL DETAIL
SCALE: NTS



DEBRIS JAM
ELEVATION VIEW
NTS **B** 4.0



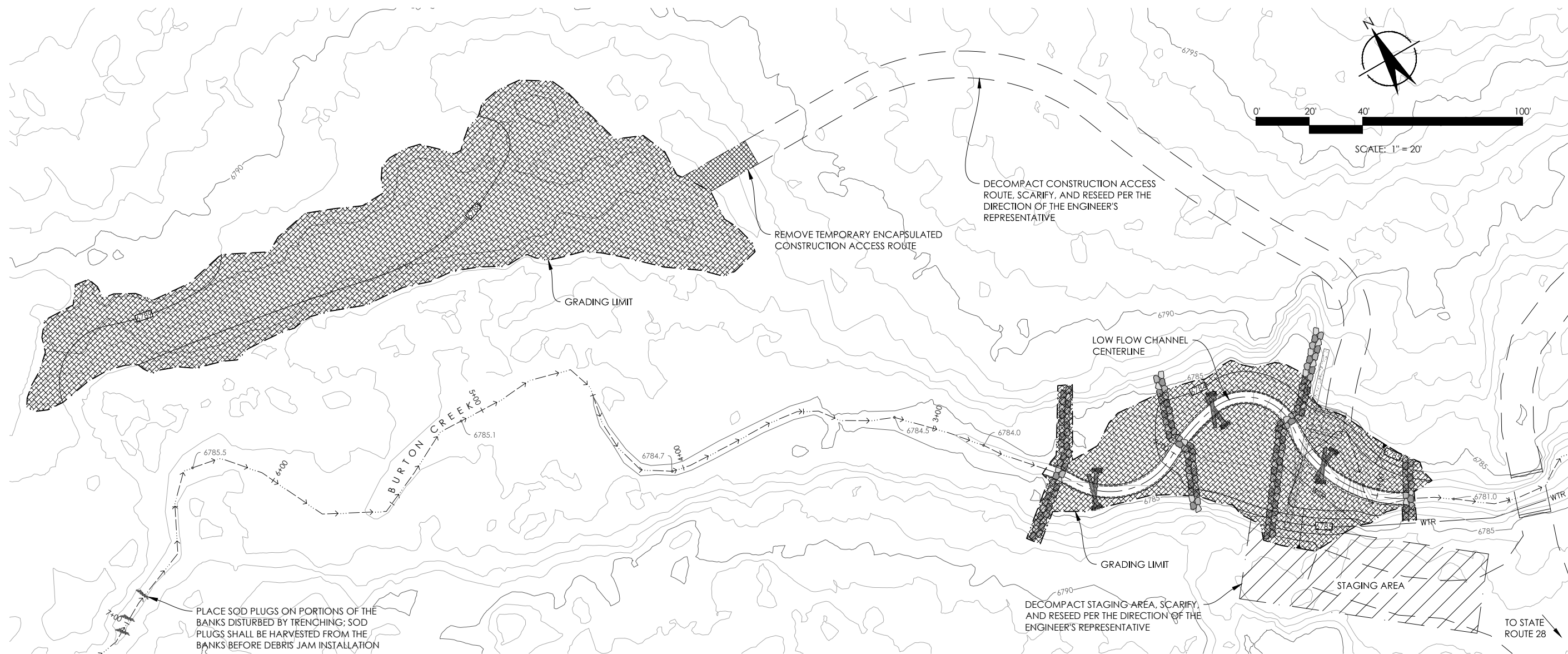
DEBRIS JAM
PROFILE VIEW
NTS **C** 4.0

DEBRIS JAM NOTES:

1. POSTS
 - 1.1. POSTS PROPOSED FOR THE CONSTRUCTION OF DEBRIS DAMS SHALL HAVE A DIAMETER OF 2 TO 3 INCHES, LENGTHS OF 2.0 TO 3.0 FEET.
 - 1.2. POSTS MAY EITHER BE HARVESTED OR PRE-FABRICATED. HARVESTED POSTS ARE PREFERRED AND THE CONTRACTOR SHALL ATTEMPT TO PROCURE HARVESTED POSTS FIRST. IF NO SUITABLE HARVESTED POSTS ARE AVAILABLE ON-SITE, PRE-FABRICATED POSTS MAY BE USED.
 - 1.2.1. HARVESTED POSTS SHALL BE CUT FROM STEMS OR BRANCHES OF WILLOW, ALDER, OR PINE AND SHALL BE TAKEN FROM SUITABLE PLANTS WITHIN THE PROJECT AREA.
 - 1.2.2. PRE-FABRICATED POSTS SHALL BE UNTREATED PINE, FIR, OR CEDAR, UNLESS OTHERWISE APPROVED BY THE FIELD REPRESENTATIVE. POSTS SHALL NOT HAVE WEAKNESSES SUCH AS CRACKS AND SPLITS THROUGH MORE THAN 25 PERCENT OF THE POST DIAMETER.
 - 1.3. ONE END OF POSTS SHALL BE A CLEAN SQUARE CUT. THE OPPOSITE END SHALL BE SHARPENED TO A POINT.
2. CUTTINGS
 - 2.1. CUTTINGS SHALL CONSIST OF WILLOW OR ALDER BRANCHES WITH A STEM DIAMETER 2 INCHES OR LESS.
 - 2.2. CUTTINGS SHALL BE 5' MINIMUM LENGTH. THERE IS NO MAXIMUM LENGTH FOR CUTTINGS.
 - 2.3. ALL LEAVES AND MINOR BRANCHES SHALL BE KEPT INTACT TO THE EXTENT PRACTICABLE.

DESIGNED BY		DATE		BY		SUBMITTALS / REVISIONS	
PK/DS	1-2-19	PK					
DRAWN BY		PK					
CHECKED BY		DS					
IN CHARGE							
DATE	1-2-2019						

PROJECT NUMBER	218193
SCALE	AS SHOWN
SHEET	



LEGEND

 REVEGETATE PER NOTES (THIS SHEET) AND INSTALL ECB

REVEGETATION NOTES:

1. SALVAGE ALL SOD AND WILLOW (INCLUDING ROOTMASS) FROM WITHIN THE GRADING LIMITS PER THE DIRECTION OF THE ENGINEER'S REPRESENTATIVE.
2. STORE SALVAGED MATERIAL IN A COOL, DRY PLACE AND WATER REGULARLY TO MAINTAIN THE HEALTH OF THE SALVAGED MATERIAL.
3. REVEGETATION SHALL INCLUDE PLANTING NATIVE CAREX SEED OF SIMILAR SPECIES TO ONSITE, SALVAGED SOD, AND SALVAGED WILLOWS.
4. INSTALL EROSION CONTROL BLANKET AND SECURE WITH BIODEGRADABLE STAKES.

DESIGNED BY	DATE	BY	SUBMITTALS / REVISIONS
PK/DS	1-2-19	PK	50% PLANS
DRAWN BY			
CHECKED BY			
IN CHARGE			
DATE	1-2-2019		

REVEGETATION PLAN
 ANTONIE DAM REMOVAL AND MEADOW RESTORATION AT BURTON CREEK STATE PARK
 PLACER COUNTY, CALIFORNIA
 CALIFORNIA STATE PARKS

PROJECT NUMBER
218193
 SCALE
1" = 20'
 SHEET

5.0

Y:\PROJECTS\218193 CA PARKS ANTONIE DAM REMOVAL\218193 CAD\218193 SHEETS\218193-50-REVEG.DWG