



UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION FIVE
LAKE TAHOE BASIN MANAGEMENT UNIT

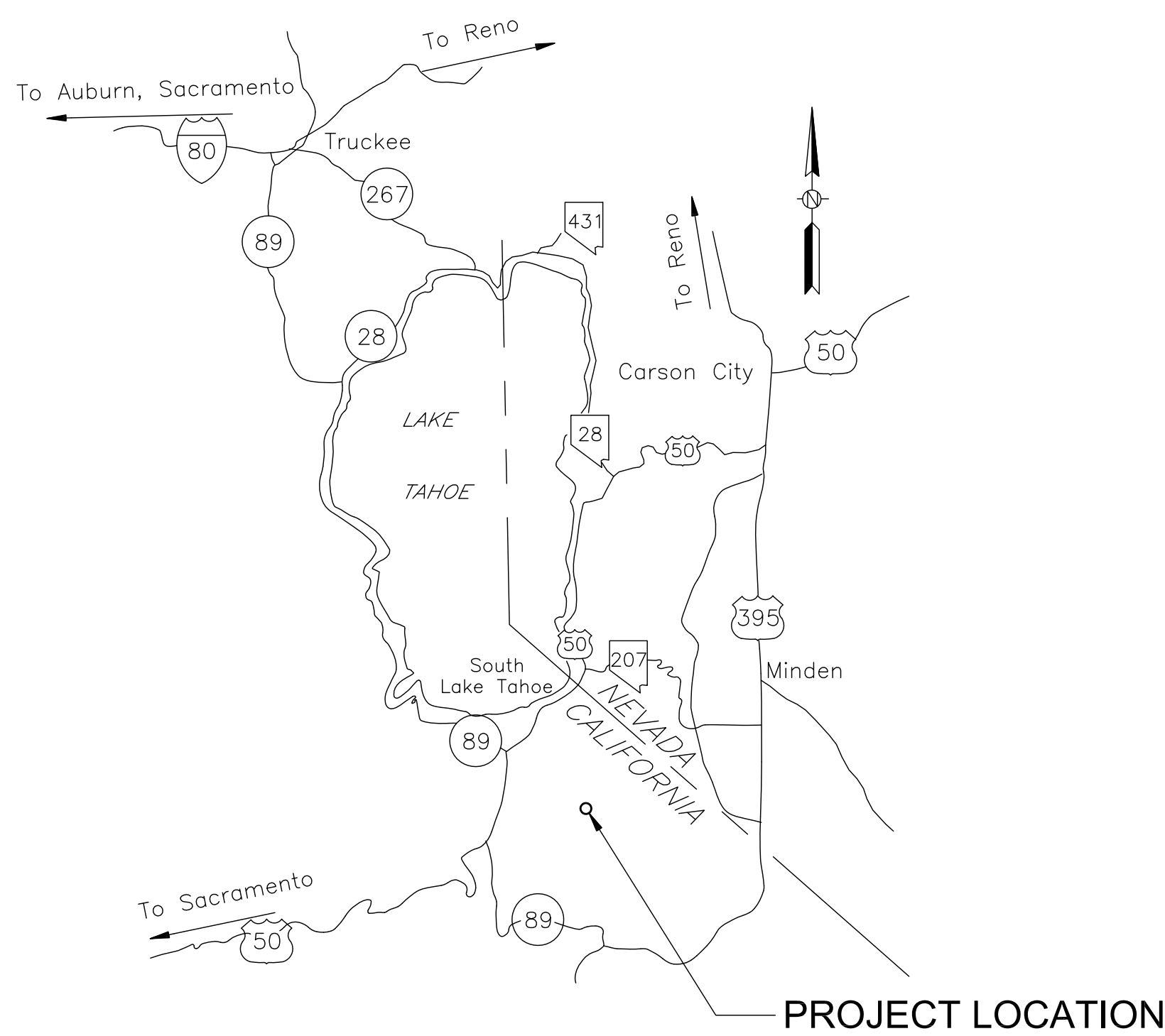


NOTE: DRAWINGS AND SPECIFICATIONS ARE BASED ON PLANS
TITLED "SAXON CREEK BRIDGE, FOUNTAIN PLACE ROAD",
R-1659, DATED 3/23/15, BY USFS



STATE OF CALIFORNIA

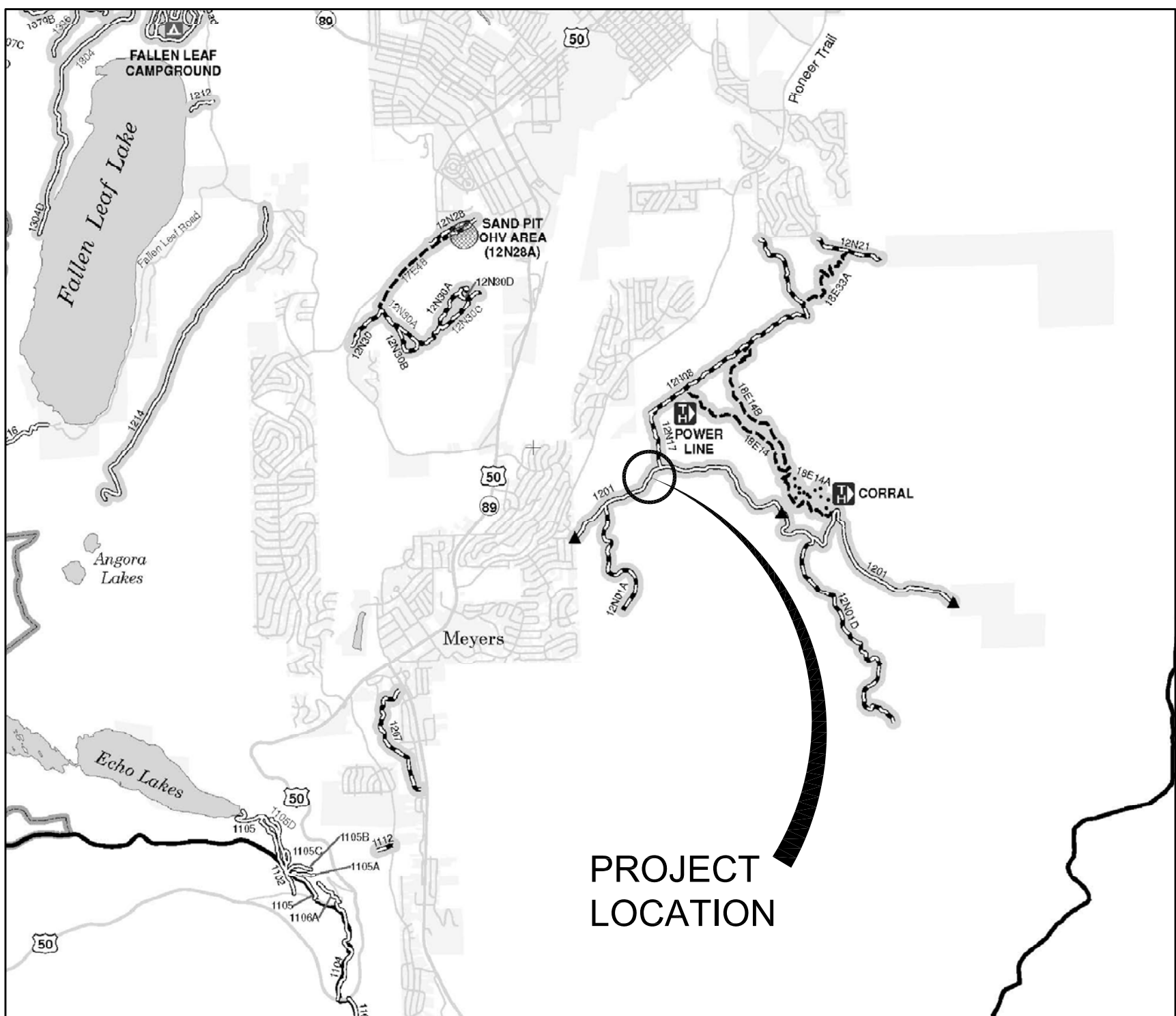
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LOCATION MAP

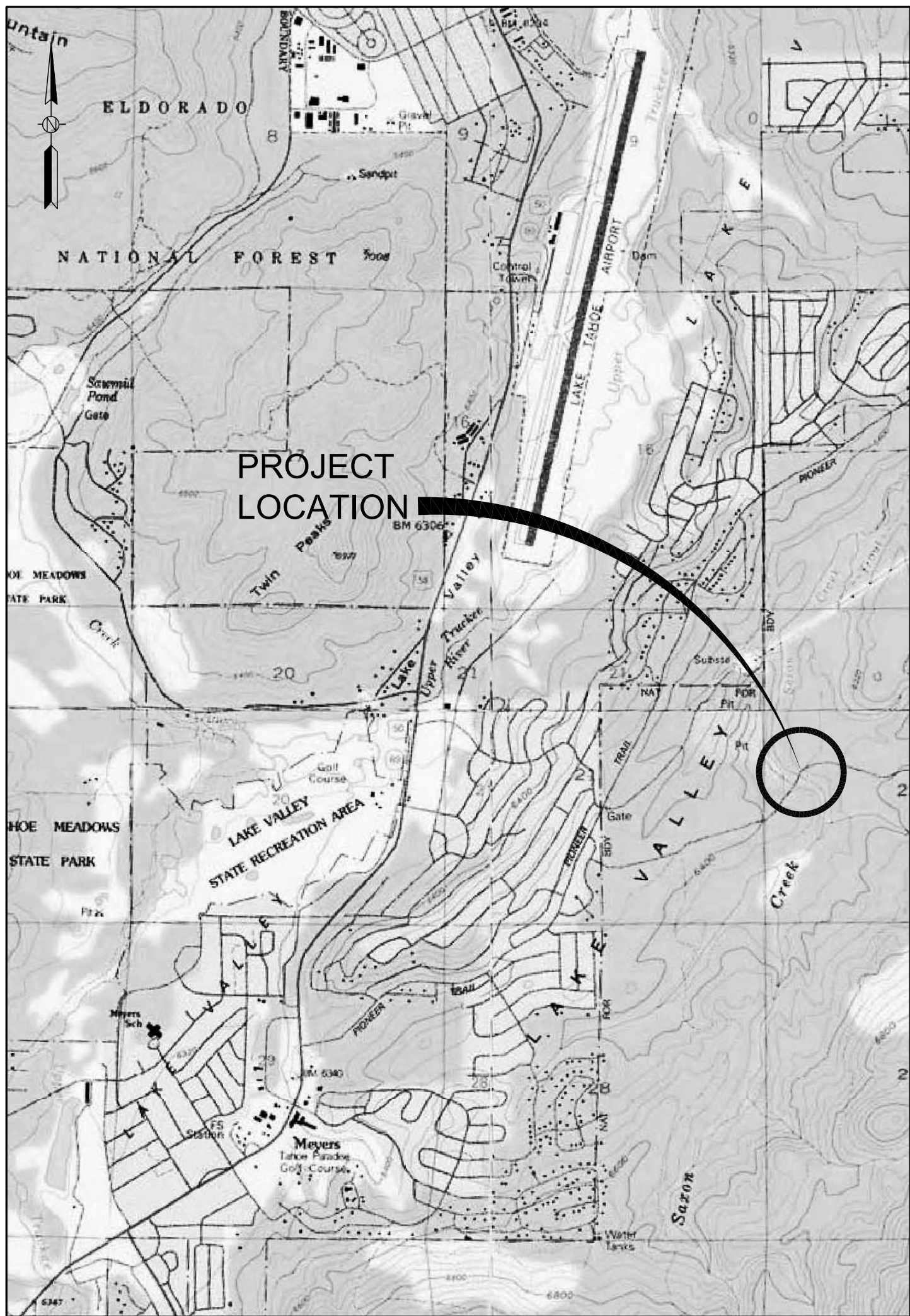
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DRAWINGS FOR PROPOSED
SAXON CREEK AQUATIC
ORGANISM PASSAGE PROJECT
FOREST SERVICE ROAD 1201
EL DORADO COUNTY, CALIFORNIA



PROJECT AREA

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PROJECT LOCATION MAP

NOT TO SCALE

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SHEET NUMBER	SHEETS
G0	1 OF 13

TOWNSHIP 12 N, RANGE 18 E, SECTION 22
LATITUDE 38° 52' 19" N, LONGITUDE 119° 58' 58" W

APPROVED BY

FOREST ENGINEER

FOREST SUPERVISOR

DATE

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SYMBOLS	
GENERAL	
	IMPROVEMENTS (BOLD LINETYPE, ALL SYSTEMS)
	EXISTING FACILITIES (SCREENED LINETYPE ALL SYSTEMS)
	DEMOLITION HATCHING
	CENTER LINE
	PARCEL BOUNDARY
	ORANGE CONSTRUCTION FENCING
	FIBER ROLL LOG
	INDIVIDUAL TREE PROTECTION FENCING
	TREE PROTECTION FENCING
	FLOW LINE
	CONTOUR LINE
	EXISTING GRADE, PROFILE
	TOE OF EXISTING FILL, PLAN
	EDGE OF EXISTING AC PAVEMENT, PLAN
	EDGE OF BUILDING, ABOVE GRADE
	HAND RAILING
	GRADE BREAK
SYMBOLS	
GENERAL, CIVIL	
	HORIZONTAL CONTROL POINT
	VERTICAL CONTROL POINT
	30" PINE TREE
	REMOVE 30" PINE TREE
	DIAMETER
	FIRE HYDRANT
	UTILITY POLE
	MANHOLE
	FITTING
	THRUST BLOCK
	EXIST FIRE HYDRANT
	ROCK RIP RAP
	FLARED END SECTION
	SLOPE, DIRECTION OF FLOW BY GRAVITY
	BENCH MARK, PLAN
	DEPRESSION
	DRAINAGE INLET

MATERIAL SYMBOLS	
IN SECTION	
	CONCRETE
	A.C. PAVEMENT
	AGGREGATE BASE
	SAND, SUITABLE NATIVE BACKFILL
	EARTH
	MASONRY
	STEEL, IRON
	WOOD
	GROUT
	SEALANT, MASTIC, WATER STOP
	REINFORCING STEEL
	INSULATION
	RIGID INSULATION
	PIPE
	COBBLE SIZE ROCK (6"-8")
MATERIAL SYMBOLS	
IN PLAN	
	A.C. PAVEMENT
	CONCRETE
	DRAIN ROCK OR AGGREGATE BASE
	REVEGETATION, GRASS
	MASONRY WALL
	COBBLE SIZE ROCK (6"-12")
	CONSTRUCT WATERBAR
	INSTALL ROLLING DIP W/ GEOCELL
	GATE VALVE
	REDUCER

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ABBREVIATIONS	
A	
AB	AGGREGATE BASE
ABS	ACRYLONITRILE--BUTADIENE STYRENE
AC	ASBESTOS CEMENT, ASPHALT CONCRETE
AGG	AGGREGATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APN	ASSESSOR'S PARCEL NUMBER
APPROX.	APPROXIMATE, APPROXIMATELY
ARV	AIR RELEASE VALVE
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AVE	AVENUE
AWWA	AMERICAN WATER WORKS ASSOCIATION
B	
BC	BEGIN HORIZONTAL CURVE
BCC	BEGIN COMPOUND CURVE
BEG	BEGIN
BF	BLIND FLANGE
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
BQC	BACK OF CURB
BVC	BEGIN VERTICAL CURVE
C	
C & G	CURB AND GUTTER
CA	CALIFORNIA
CAP	CORRUGATED ALUMINUM PIPE
CAPA	CORRUGATED ALUMINUM PIPE ARCH
CF	CUBIC FOOT
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CIRCUM	CIRCUMFERENCE
CL	CENTERLINE, CHAIN LINK, CLASS, COIR LOG
CLR	CLEAR, CLEARANCE
CMP	CORRUGATED METAL PIPE
CPA	CORRUGATED METAL PIPE ARCH
CO	COUNTY, CLEAN OUT, CONTRACTING OFFICER
COL	COLUMN
CONST	CONSTRUCTION
COORD	COORDINATE
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CORP	CORPORATION
CPLG	COUPLING
CTC	CALIFORNIA TAHOE CONSERVANCY
CTV	CABLE TV
CU	CUBIC
CV	CHECK VALVE
CY	CUBIC YARD
D	
D	DEPTH, DRAIN
DEG	DEGREE
DEL	DELINEATOR
DET	DETAIL
DI	DRAINAGE INLET
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DIST	DISTANCE
DR	DRIVE
DWG	DRAWING
DWL	DOWEL
DW	DRIVEWAY
E	
E	EAST, EASTING, ELECTRIC
EA	EACH
EC	EROSION CONTROL, END CURVE
ECR	END CURB RETURN
EF	EACH FACE
EG	EXISTING GRADE
EL	ELBOW, ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATION
EMB	EMBANKMENT
EP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
ES	EDGE OF SHOULDER
ETW	END OF TRAVELED WAY
EVC	END VERTICAL CURVE
EW	ENDWALL, EACH WAY
EXC	EXCAVATION
EX, EXIST	EXISTING
EXP JT	EXPANSION JOINT
F	
FES	FLARED END SECTION
FF	FILTER FENCE, FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOW LINE, FLANGE
FLG	FLANGE
FLR	FLOOR
FM	FORCE MAIN
FMSS	FORCE MAIN SANITARY SEWER
FT	FOOT OR FEET
FTG	FOOTING

ABBREVIATIONS	
G	
G	GAS
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GR	GRADE
GS	GROUND SHOT
H	
H	HEIGHT
HEX	HEXAGONAL
HORIZ	HORIZONTAL
HWY	HIGHWAY
I	
IE	INVERT ELEVATION
INV	INVERT
IRR	IRRIGATION
J	
JT	JOINT
L	
L	LENGTH
LE	LIBERTY ENERGY
LF	LINEAR FEET
LN	LANE
LOC	LOCATION
LP	LODGE POLE PINE TREE
LT	LEFT
M	
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MILE(S)
MJ	MECHANICAL JOINT
MKR	MARKER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	MATERIAL
MVC	MIDDLE VERTICAL CURVE
N	
N	NORTH, NORTHING
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
O	
OC	ON CENTER
OH	OVERHEAD POWER
P	
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE OR PORTLAND CEMENT CONCRETE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PD	PIPE DIAMETER
PE	PLAIN END
PED	PEDESTRIAN
PEP	POLYETHYLENE PIPE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PNT	POINT
POC	POINT ON HORIZONTAL CURVE
POT	POINT ON TANGENT
POVC	POINT ON VERTICAL CURVE
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE
Q	
QTY	QUANTITY
R	
R	RADIUS
RC	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
REF	REFERENCE
REINF	REINFORCED OR REINFORCING
REL	RELATIVE
REQ'D	REQUIRED
REVEG	REVEGETATION
RJ	RESTRAINED JOINT
RND	ROUND
R & R	REMOVE AND REPLACE
R & S	REMOVE AND SALVAGE
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
RTE	ROUTE
RW	RETAINING WALL
R/W	RIGHT-OF-WAY
S	
S	SOUTH, SLOPE
SBSB	STRAW BALE SEDIMENT BARRIER
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SDR	STANDARD DIAMETER RATIO
SF	SQUARE FOOT
SHT	SHEET
SPEC	SPECIFICATIONS
SQ	SQUARE
SS	SANITARY SEWER, STAINLESS STEEL
SSL	SANITARY SEWER LATERAL
SSMH	SANITARY SEWER MANHOLE
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SY	SQUARE YARD
T	
T	TELEPHONE
TAN	TANGENT
TBC	TOP OF CURB ELEVATION
TC	TOP OF CURB
TCB	TRAFFIC CONTROL BOX
TEMP	TEMPORARY
TG	TOP OF GRATE
TR	TOP OF RIM
TRPA	TAHOE REGIONAL PLANNING AGENCY
TS	TOP OF SLOPE
TW	TRAVELED WAY
T/W	TOP OF WALL (TOP OF POST)
TYP	TYPICAL
U	
UG	UNDERGROUND
USFS	U.S. FOREST SERVICE
UTIL	UTILITY
V	
VC	VERTICAL CURVE
VERT	VERTICAL
VPI	POINT OF INTERSECTION OF VERTICAL CURVE
W	
W	WIDTH, WEST, WATER
W/	WITH
WL	WATER LATERAL
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
Y	
YD	YARD

CONTROL POINTS

CONTROL POINT	EXISTING ELEVATION	EASTING	NORTHING
CP 1	6336.10	5000.0000	5000.0000
CP 2	6341.86	4990.6400	4895.0610
CP 3	6345.34	5087.6010	4841.7010
CP 4	6347.37	5155.2060	4939.8300
CP 5	6342.54	5004.3192	4780.3032
CP 6	6342.78	4951.5340	4687.9589
CP 7	6346.37	4960.9847	4623.0439
CP 8	6339.25	4913.1477	4831.6990
CP 9	6340.53	4946.7804	4888.6406
CP 10	6339.33	4829.3541	4801.7992
CP 11	6607.66	4870.1488	4741.7605

CONSTRUCTION NOTES

- THE CONTRACTOR SHALL ACQUAINT THEMSELVES WITH AND ABIDE BY THE REQUIREMENTS AS OUTLINED IN THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAYS PROJECTS FP-03.
- THE CONTRACTOR ACKNOWLEDGES THAT THEY ARE SATISFIED AS TO THE NATURE AND LOCATION OF THE WORK, THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE BEARING UPON AVAILABILITY OF TRANSPORTATION, DISPOSAL, HANDLING AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRIC POWER, ROADS, AND UNCERTAINTIES OF WEATHER, CREEK STAGES, OR SIMILAR PHYSICAL CONDITIONS AT THE SITE, THE CONFORMATION AND CONDITIONS OF THE GROUND, THE CHARACTER OF EQUIPMENT AND FACILITIES NEEDED PRIMARILY TO AND DURING THE PROSECUTION OF THE WORK OR THE COST THEREOF AS SHOWN ON THESE DRAWINGS.

THE CONTRACTOR FURTHER ACKNOWLEDGES THEY ARE SATISFIED AS TO THE CHARACTER, QUALITY AND QUANTITY OF SURFACE AND SUBSURFACE MATERIALS TO BE ENCOUNTERED FROM INSPECTING THE SITE AND FROM INFORMATION PRESENTED BY THE DRAWINGS. ANY FAILURE BY THE CONTRACTOR TO ACQUAINT THEMSELVES WITH ALL THE AVAILABLE INFORMATION WILL NOT RELIEVE THEM FROM RESPONSIBILITY FOR PROPERLY ESTIMATING THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.
- AT NO TIME SHALL THE CONTRACTOR UNDERTAKE TO CLOSE OFF ANY UTILITY OR OPEN VALVES OR TAKE ANY OTHER ACTION WHICH WOULD AFFECT THE OPERATION OF THE EXISTING SYSTEM EXCEPT AS SPECIFICALLY REQUIRED BY THE PLANS, AND AFTER APPROVAL IS GRANTED BY THE RESPECTIVE UTILITY COMPANY. APPROPRIATE ADVANCE APPROVAL BY THE UTILITY IS REQUIRED PRIOR TO INTERRUPTION OF THE EXISTING SYSTEM.
- EXISTING UTILITIES ARE INDICATED ON THE PLANS WHERE SUCH UTILITIES ARE KNOWN. THE LOCATION AND EXTENT OF SUCH UTILITIES ARE APPROXIMATE ONLY. NO GUARANTEE IS MADE AS TO THE ACCURACY OF SUCH INFORMATION, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE, PROTECT, AND MAINTAIN ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THE PLANS.

CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES ONE WEEK PRIOR TO THE BEGINNING OF CONSTRUCTION AND ARRANGE FOR THE LINE LOCATIONS AND APPROPRIATE SAFETY PROCEDURES. CONTRACTOR SHALL ALSO NOTIFY THE FOLLOWING UNDERGROUND UTILITY SERVICE: UNDERGROUND SERVICES ASSOCIATION 811.
- AT ALL TIMES DURING CONSTRUCTION ADEQUATE TEMPORARY EROSION CONTROLS SHALL BE IN PLACE. THE EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE TRPA "HANDBOOK OF BEST MANAGEMENT PRACTICES" AND THE APPROVED SWPPP. THE CONTRACTOR SHALL CONTACT TRPA AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK FOR A PRE-GRADING INSPECTION OF THE INSTALLED TEMPORARY EROSION CONTROL.
- THE CONTRACTOR SHALL UTILIZE CONSTRUCTION TECHNIQUES WHICH MINIMIZE GRADING, VEGETATION REMOVAL AND TEMPORARY AND PERMANENT DISTURBANCE. NO DISTURBANCE SHALL OCCUR OUTSIDE OF THE OF THE CONSTRUCTION FENCE.
- ELEVATIONS NOTED ON PLANS FOR PIPE INVERTS, TOP OF GRATES OR RIMS, CUTS, ETC., ARE BASED UPON THE TOPOGRAPHIC INFORMATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL NECESSARY SURFACE ELEVATIONS IN THE FIELD AND NOTIFY THE OWNER OR ENGINEER BEFORE BREAKING GROUND, AND PRIOR TO INSTALLATION OF ANY FACILITIES. THE ENGINEER SHALL BE CONTACTED IN THE EVENT THE ELEVATIONS ARE INCORRECT SO THAT PROPER ADJUSTMENTS CAN BE MADE PRIOR TO INSTALLATION OF THE FACILITIES.
- ALL EXCAVATED MATERIAL SHALL BE STOCKPILED ON AN APPROVED SITE, AND APPROVED MATERIAL MAY BE RETURNED FOR USE AS BACKFILL, AS STAKED IN FIELD BY C.O.
- CONTRACTOR SHALL REQUEST SPECIFIC SITES FOR STORAGE OF EQUIPMENT AND MATERIALS AND OBTAIN APPROVAL FROM CO FOR USE OF THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF ALL EQUIPMENT AND MATERIALS.
- ROAD DELAYS AND CLOSURES SHALL BE ACCORDING TO SPECIFICATION SECTION 156 OF FP-03; TEMPORARY ROAD CLOSURES.
- ALL AREAS OF EARTH DISTURBANCE RESULTING FROM CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT SHALL BE REVEGETATED IN ACCORDANCE WITH THE TRPA HANDBOOK OF BEST MANAGEMENT PRACTICES. APPLICATION OF MULCH MAY ENHANCE VEGETATIVE ESTABLISHMENT.
- ALL VEGETATION OUTSIDE THE CONSTRUCTION ZONE SHALL BE PROTECTED BY THE INSTALLATION OF VEGETATION PROTECTION FENCING AS SHOWN IN THE SWPPP.
- ORANGE CONSTRUCTION FENCE SHALL BE INSTALLED AT LIMITS OF STAGING AREAS. STAGING AREA LIMITS WILL BE APPROVED BY THE C.O. BASED ON SITE CONDITIONS.

DEWATERING MAINTENANCE NOTES
 - INSPECTIONS AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE APPROVED SWPPP AND DISCHARGE PERMIT.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - DEWATERING BMPs ARE REQUIRED IN ADDITION TO ALL OTHER PERMIT REQUIREMENTS.



REV. DATE

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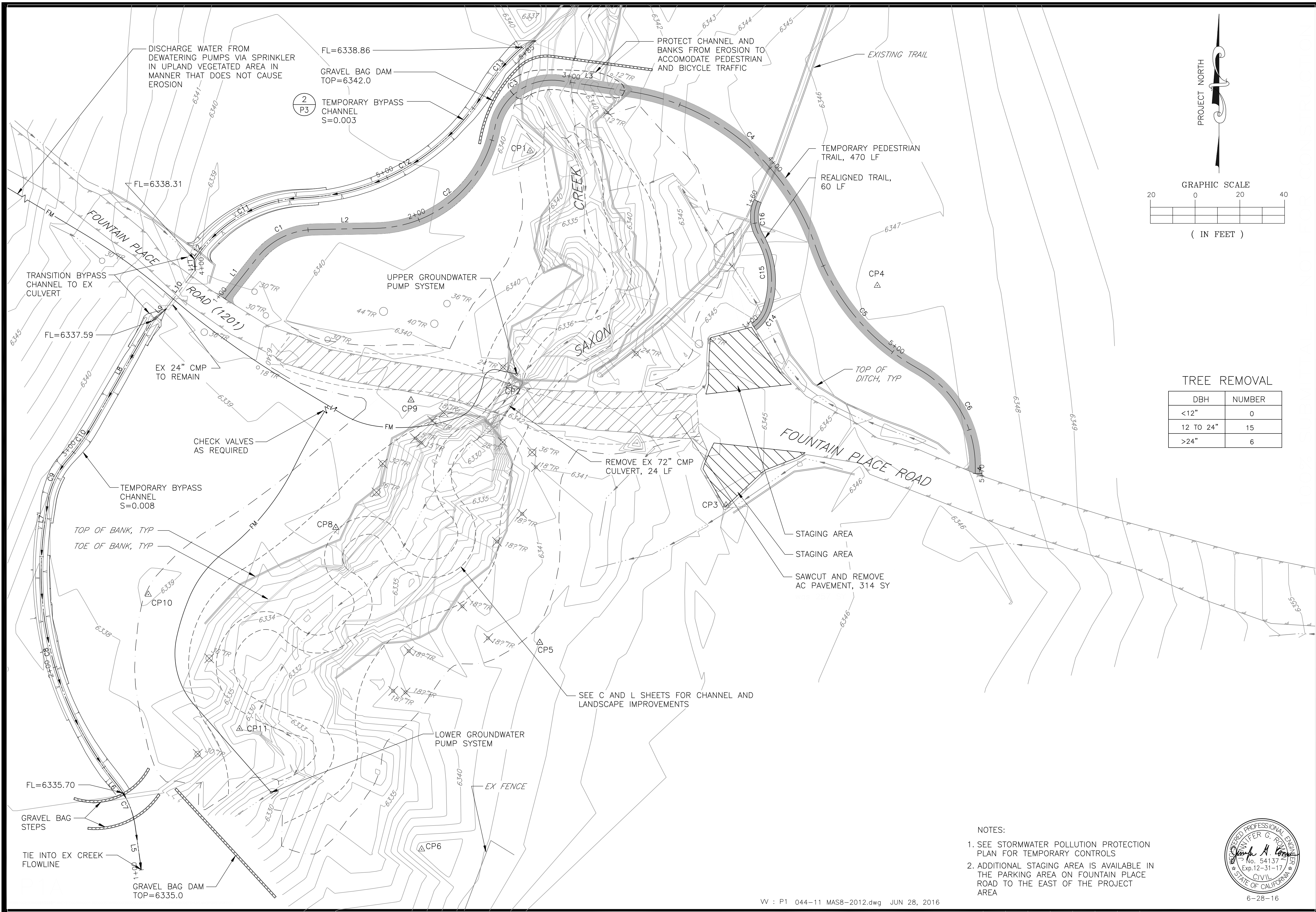
LAKE TAHOE BASIN
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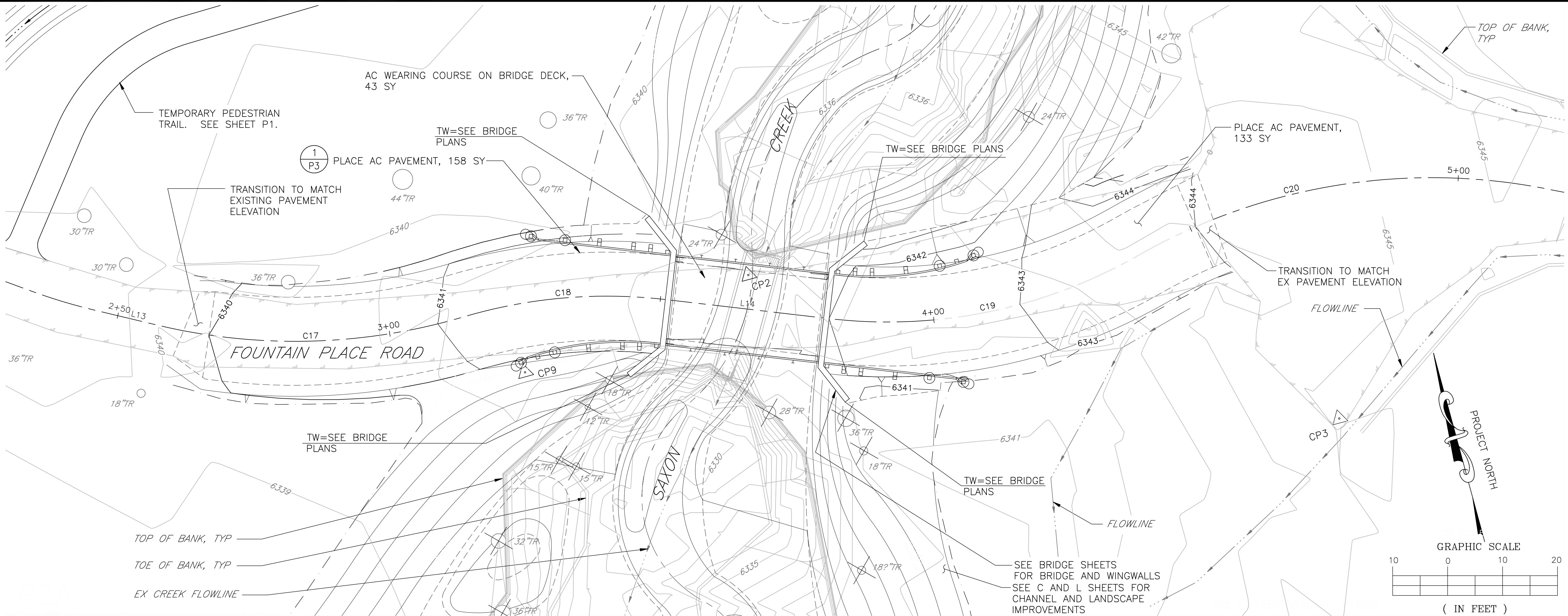
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The Pacific Southwest Region

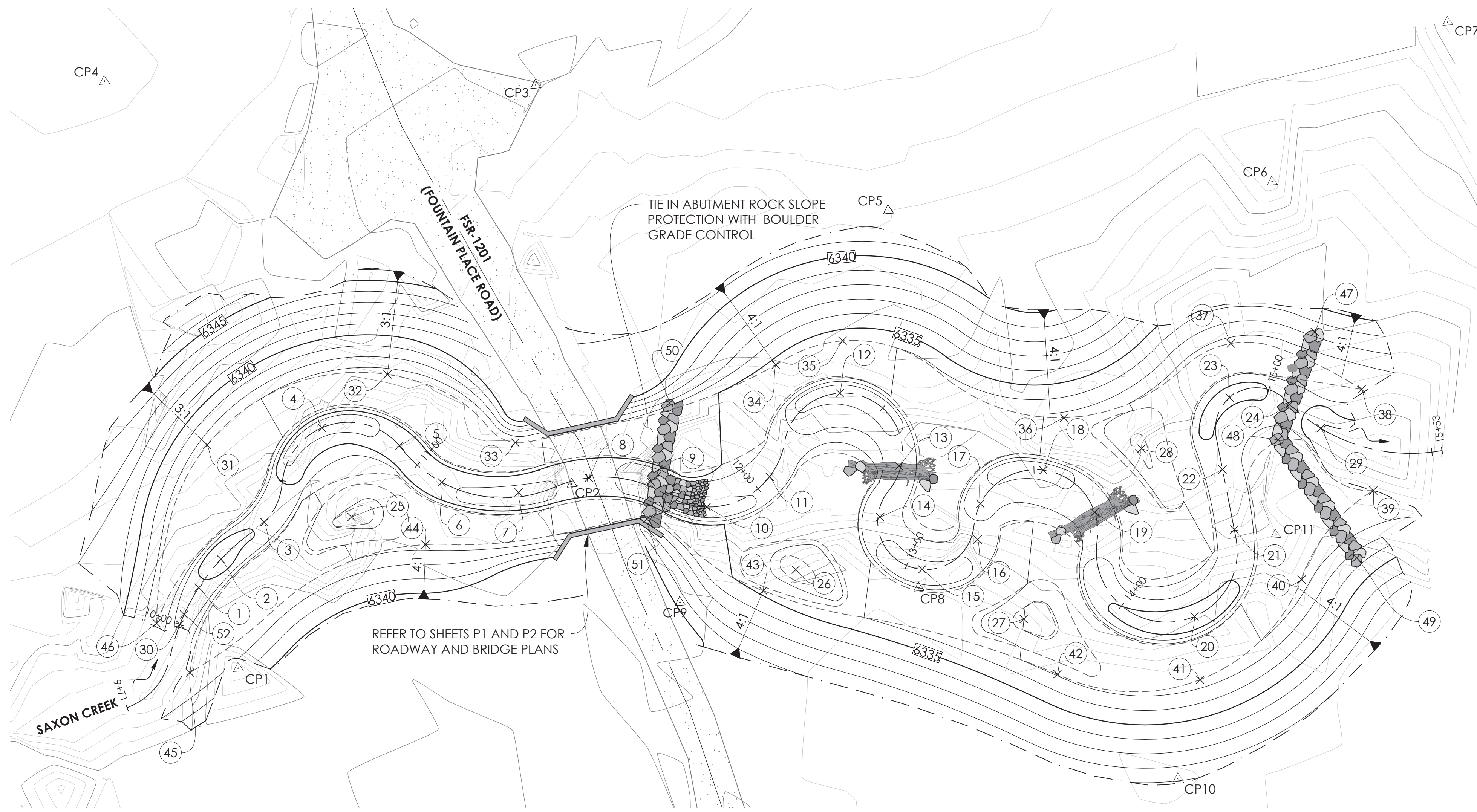
SYMBOLS AND ABBREVIATIONS,
CONSTRUCTION NOTES

SHEET NUMBER
G1
2 OF 13 SHEETS
PROJECT NO.
FSR-1201-12

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PLAN

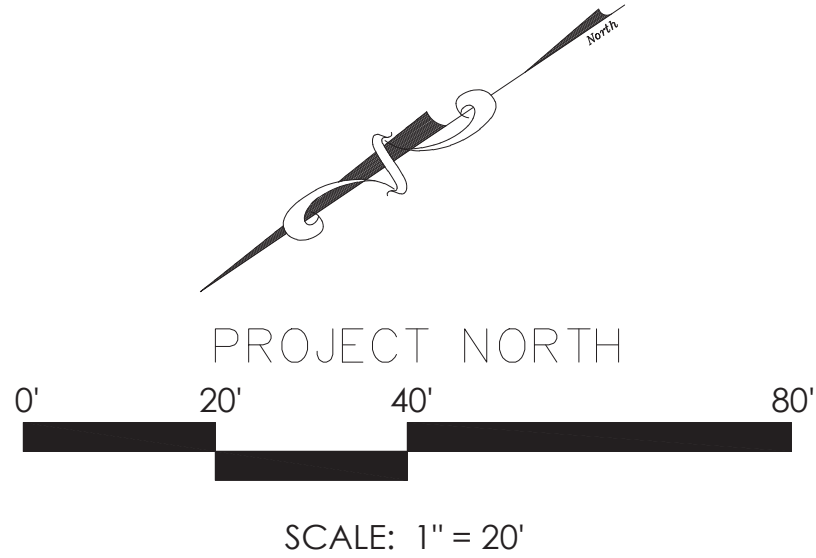
POINT TABLE					
POINT CODE	ELEVATION	NORTHING	EASTING	STATION	DESCRIPTION
1	6335.6	4996.5	5024.6	10+11.5	RIFFLE
2	6334.0	4987.1	5027.6	10+21.4	BTM. POOL
3	6335.5	4971.4	5029.4	10+37.2	RIF. CREST
4	6333.0	4943.6	5042.2	10+69.1	BTM. POOL
5	6334.9	4928.7	5026.0	10+92.7	RIF. CREST
6	6334.4	4924.6	5011.1	11+08.3	RIFFLE
7	6333.0	4908.6	4996.9	11+30.4	BTM. POOL
8	6334.2	4890.2	4989.4	11+50.4	RIF. CREST
9	6333.7	4876.6	4979.0	11+67.4	BOULDERS
10	6332.0	4867.8	4964.5	11+84.6	BTM. POOL
11	6333.5	4848.7	4961.7	12+04.6	RIF. CREST
12	6331.0	4819.7	4970.0	12+37.1	BTM. POOL
13	6332.9	4817.4	4944.1	12+67.8	RIF. CREST
14	6332.4	4829.6	4935.3	12+83.3	RIFFLE

POINT TABLE					
POINT CODE	ELEVATION	NORTHING	EASTING	STATION	DESCRIPTION
15	6331.0	4828.1	4916.9	13+04.4	BTM. POOL
16	6332.2	4810.7	4915.1	13+21.9	RIF. CREST
17	6331.7	4804.6	4922.9	13+31.6	RIFFLE
18	6330.0	4784.9	4920.9	13+52.6	BTM. POOL
19	6331.5	4779.7	4903.3	13+71.9	RIF. CREST
20	6329.0	4772.9	4864.0	14+21.5	BTM. POOL
21	6330.8	4750.4	4877.8	14+50.4	RIF. CREST
22	6330.3	4743.8	4893.3	14+67.2	RIFFLE
23	6329.0	4731.0	4908.7	14+88.5	BTM. POOL
24	6330.1	4718.4	4897.8	15+07.2	BOULDERS
25	6335.9	4950.7	5017.2	N/A	DEPRESSION
26	6333.5	4857.0	4936.4	N/A	DEPRESSION
27	6332.0	4889.8	4812.5	N/A	DEPRESSION
28	6331.1	4910.6	4759.1	N/A	DEPRESSION

POINT TABLE					
POINT CODE	ELEVATION	NORTHING	EASTING	STATION	DESCRIPTION
29	6329.1*	4714.9	4887.6	10+00.0	TIE IN TO EX.
30	6336.0*	5006.6	5019.1	15+18.0	TIE IN TO EX.
31	6337.6	4972.6	5056.0	N/A	TOE OF SLOPE
32	6336.7	4920.3	5044.2	N/A	TOE OF SLOPE
33	6336.1	4901.6	5008.9	N/A	TOE OF SLOPE
34	6334.7	4829.9	4986.4	N/A	TOE OF SLOPE
35	6334.2	4810.9	4981.5	N/A	TOE OF SLOPE
36	6332.8	4772.1	4929.7	N/A	TOE OF SLOPE
37	6331.7	4722.4	4920.9	N/A	TOE OF SLOPE
38	6331.4	4699.5	4890.2	N/A	TOE OF SLOPE
39	6331.8	4712.5	4865.2	N/A	TOE OF SLOPE
40	6331.5	4742.7	4855.9	N/A	TOE OF SLOPE
41	6332.5	4781.5	4848.6	N/A	TOE OF SLOPE
42	6332.9	4813.3	4871.9	N/A	TOE OF SLOPE

* ELEVATION TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION AND RESOLVED WITH THE PROJECT ENGINEER OR ENGINEER'S REPRESENTATIVE IF THERE IS A DISCREPANCY

CHANNEL GRADING PLAN LEGEND	
	FINISH INDEX CONTOUR
	FINISH INTERMEDIATE CONTOUR
	GRADE BREAK LINE
	LIMIT OF GRADING
	CONTROL POINT
	STAKING POINT CODE/LOCATION



NOTE: PROJECT NORTH IS BASED ON AN ARBITRARY DATUM. ADOPTED FROM THE TOPOGRAPHIC SURVEY. ALL CONTROL AND STAKING POINTS ARE REFERENCED TO THE PROJECT NORTH COORDINATE SYSTEM.

CONTROL POINT	EXISTING ELEVATION	EASTING	NORTHING
CP1	6336.10	5000.0000	5000.0000
CP2	6341.86	4990.6400	4895.0610
CP3	6345.34	5087.6010	4841.7010
CP4	6347.37	5155.2060	4939.8300
CP5	6342.54	5004.3192	4780.3032
CP6	6342.78	4951.5340	4687.9589
CP7	6346.37	4960.9847	4623.0439
CP8	6339.25	4913.1477	4831.6990
CP9	6340.53	4946.7804	4888.6406
CP10	6339.33	4829.3541	4801.7992
CP11	6607.66	4870.1488	4741.7605

POINT TABLE					
POINT CODE	ELEVATION	NORTHING	EASTING	STATION	DESCRIPTION
43	6334.9	4867.8	4936.6	N/A	TOE OF SLOPE
44	6336.9	4938.0	4999.4	N/A	TOE OF SLOPE
45	6337.5	5011.7	5006.5	N/A	TOE OF SLOPE
46	6337.1	5011.8	5023.0	N/A	TOE OF SLOPE
47	6333.0 B	4701.3	4910.6	N/A	BOULDER SILL
48	6331.0 B	4726.5	4891.5	N/A	BOULDER SILL
49	6333.0 B	4726.8	4852.4	N/A	BOULDER SILL
50	6336.0 B	4860.2	4994.1	N/A	BOULDER SILL
51	6336.0 B	4883.4	4971.0	N/A	BOULDER SILL
52	6335.9	5004.1	5020.7	10+03.0	RIFFLE

ELEVATIONS FOLLOWED BY A "B" INDICATE THE ELEVATION OF THE BURIED BOULDER SILL. ADD 0.5 FEET FOR FINISHED GRADE ELEVATION



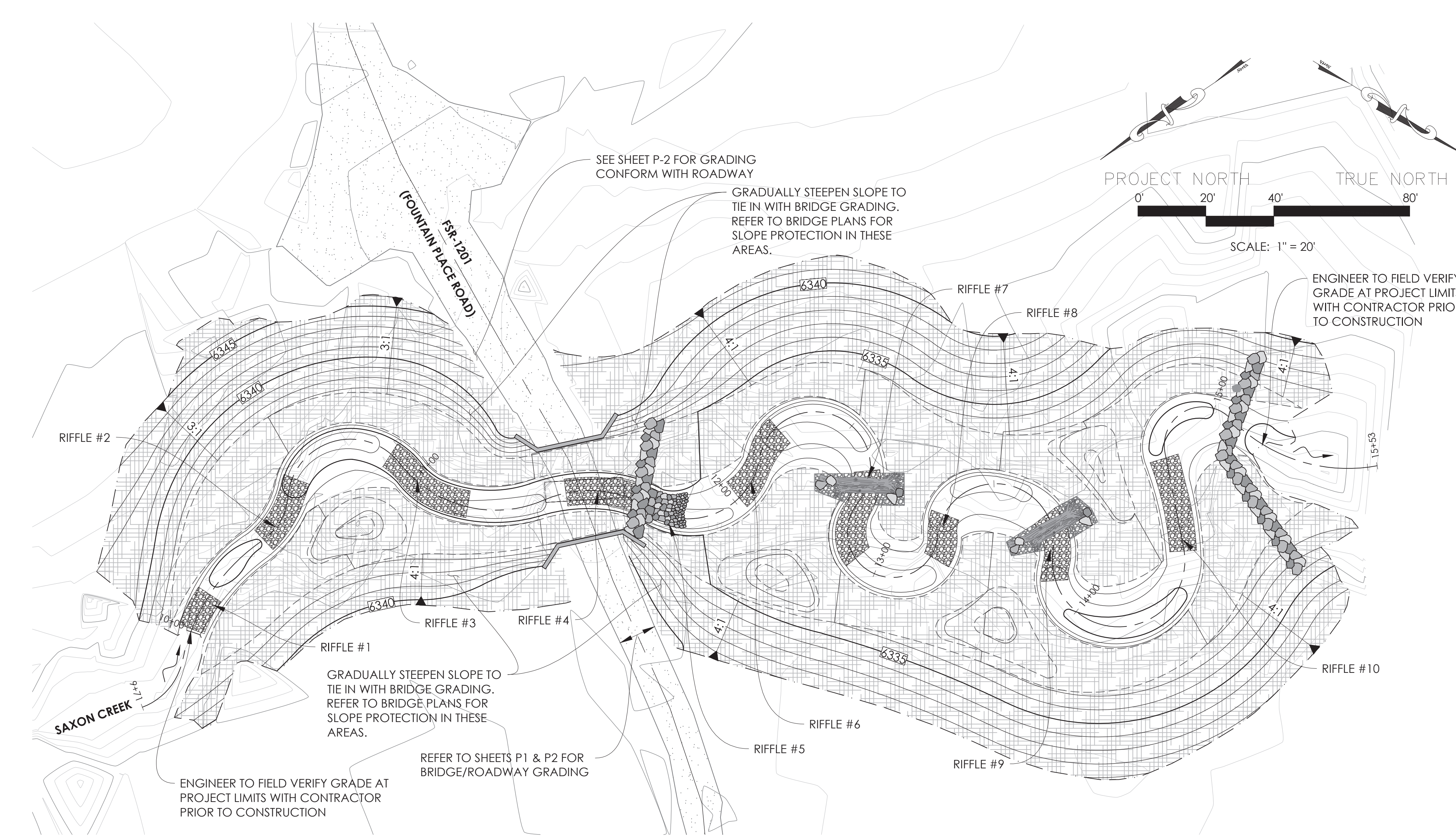
REV	DATE	DESIGN BY:	BKH	DRAWN BY:	PK	CHECKED BY:	EB	SCALE:	1" = 20'



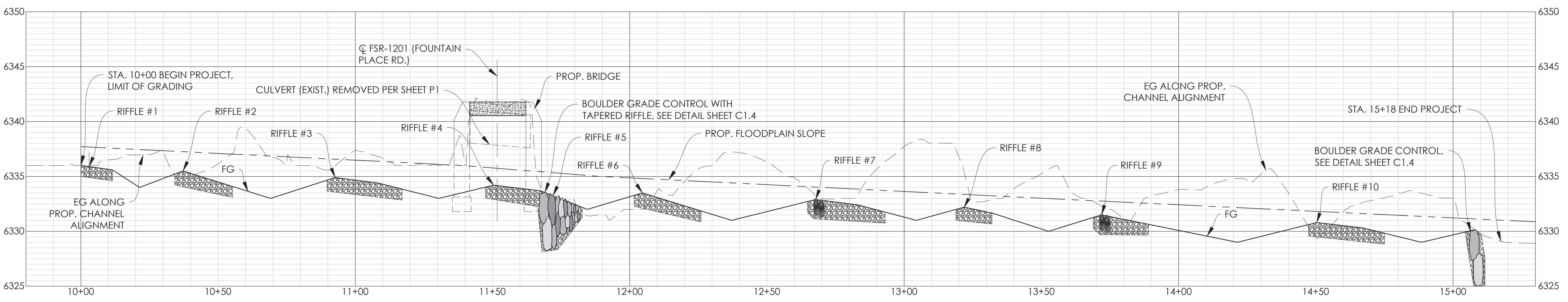
UNITED STATES
DEPARTMENT
OF
AGRICULTURE
FOREST SERVICE
The Pacific Southwest Region

USDA, FOREST SERVICE, ITMU
SAXON CREEK ACP PROJECT
CHANNEL STAKING PLAN

SHEET NUMBER
C1.0
06 OF 13 SHEETS
PROJECT NO.
FSR-1201-12



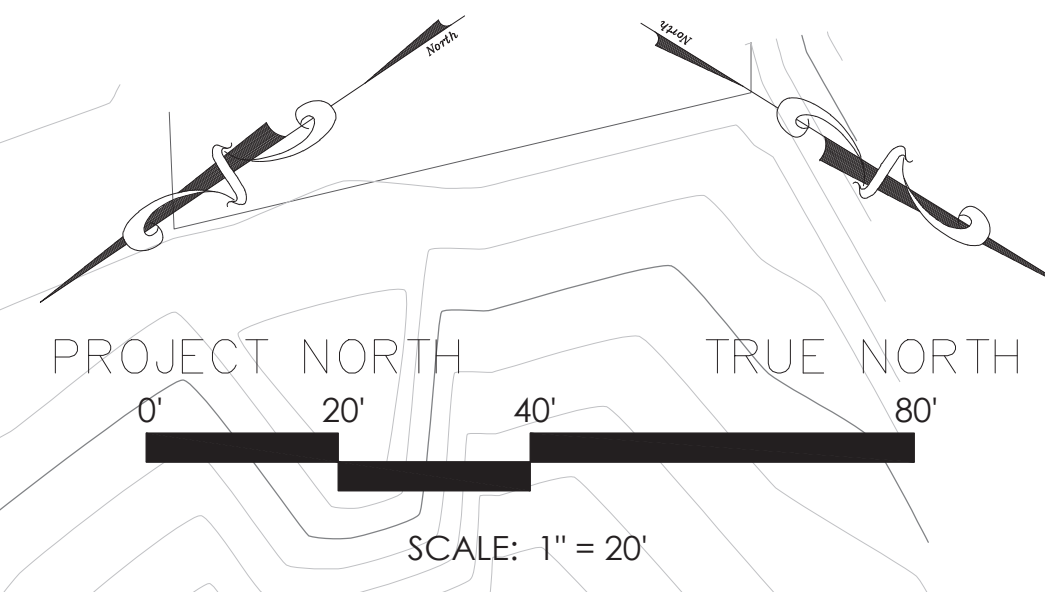
PLAN



PROFILE
SCALE: 1" = 20' HORIZONTAL
1" = 5' VERTICAL

CHANNEL GRADING PLAN LEGEND

- 6340 — FINISH INDEX CONTOUR
- — FINISH INTERMEDIATE CONTOUR
- - - - - GRADE BREAK LINE
- - - - - LIMIT OF GRADING
- - - - - PROPOSED FLOODPLAIN SLOPE
- [Pattern] RIFFLE PROTECTION: PLACE WELL-GRADED GRAVEL MIXTURE
- [Pattern] TOP DRESSING FILL, 0.5' DEEP



RIFFLE TABLE					
RIFFLE #	STATION	ELEVATION	LENGTH	SEE DETAIL	POINT CODE
1	10+03.0	6335.9	8	1, C1.4	52
2	10+37.2	6335.5	18	1, C1.4	3
3	10+92.7	6334.9	25	1, C1.4	5
4	11+50.4	6334.2	17	1, C1.4	8
5	11+67.4	6333.7	12	3(D), C1.4	9
6	12+04.6	6333.5	21	1, C1.4	11
7	12+67.8	6332.9	25	2, C1.4	13
8	13+21.9	6332.2	10	1, C1.4	16
9	13+71.9	6331.5	17	2, C1.4	19
10	14+50.4	6330.8	25	1, C1.4	21

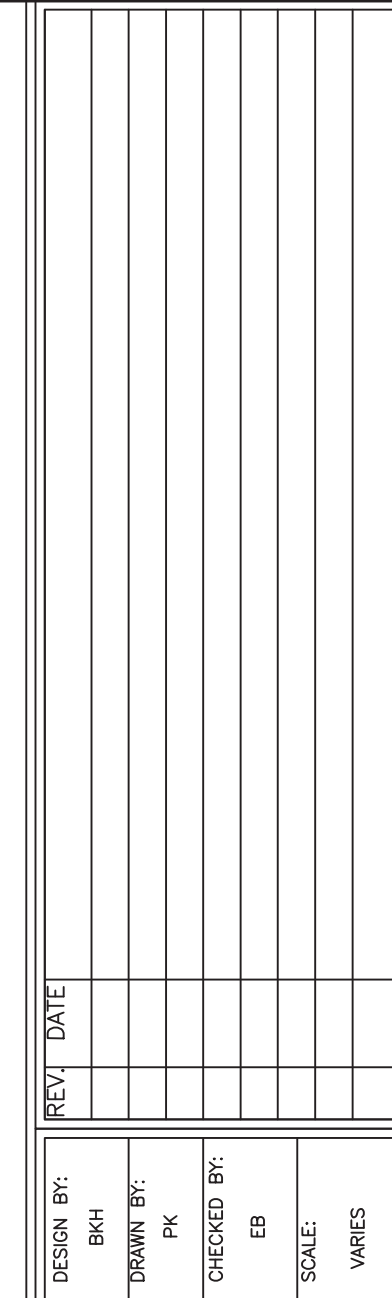
- NOTES:
- RIFFLE STATIONS AND ELEVATIONS REFER TO RIFFLE CONTROL POINT, SEE DETAIL SHEET C1.4
 - REFER TO SHEET C1.0 FOR RIFFLE POINT CODE

DESIGN BY: BKH
DRAWN BY: PK
CHECKED BY: EB
SCALE: 1" = 20'

REV. DATE

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
The Pacific Southwest Region

USDA FOREST SERVICE LITEMU
SAXON CREEK ACP PROJECT
CHANNEL GRADING AND RIFFLE PLAN
SHEET NUMBER
C1.1
07 OF 13 SHEETS
PROJECT NO.
FSR-1201-12



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CHANNEL DETAILS

PROJECT NO.
FSR-1201-12

FSR-1201-12



DATE: 06/28/2016



DESIGN BY: PR/JH
DRAWN BY: LD
CHECKED BY: JH/PR
SCALE: AS NOTED



UNITED STATES
DEPARTMENT
OF
AGRICULTURE
FOREST SERVICE

The Pacific Southwest Region

USDA FOREST SERVICE LTBMU
SAXON CREEK AOP PROJECTLANDSCAPE
PLANTING PLAN

SHEET NUMBER

L-1.1

11 OF 12 SHEETS

PROJECT NO.

FST-1209-10

DATE: 06/28/2016

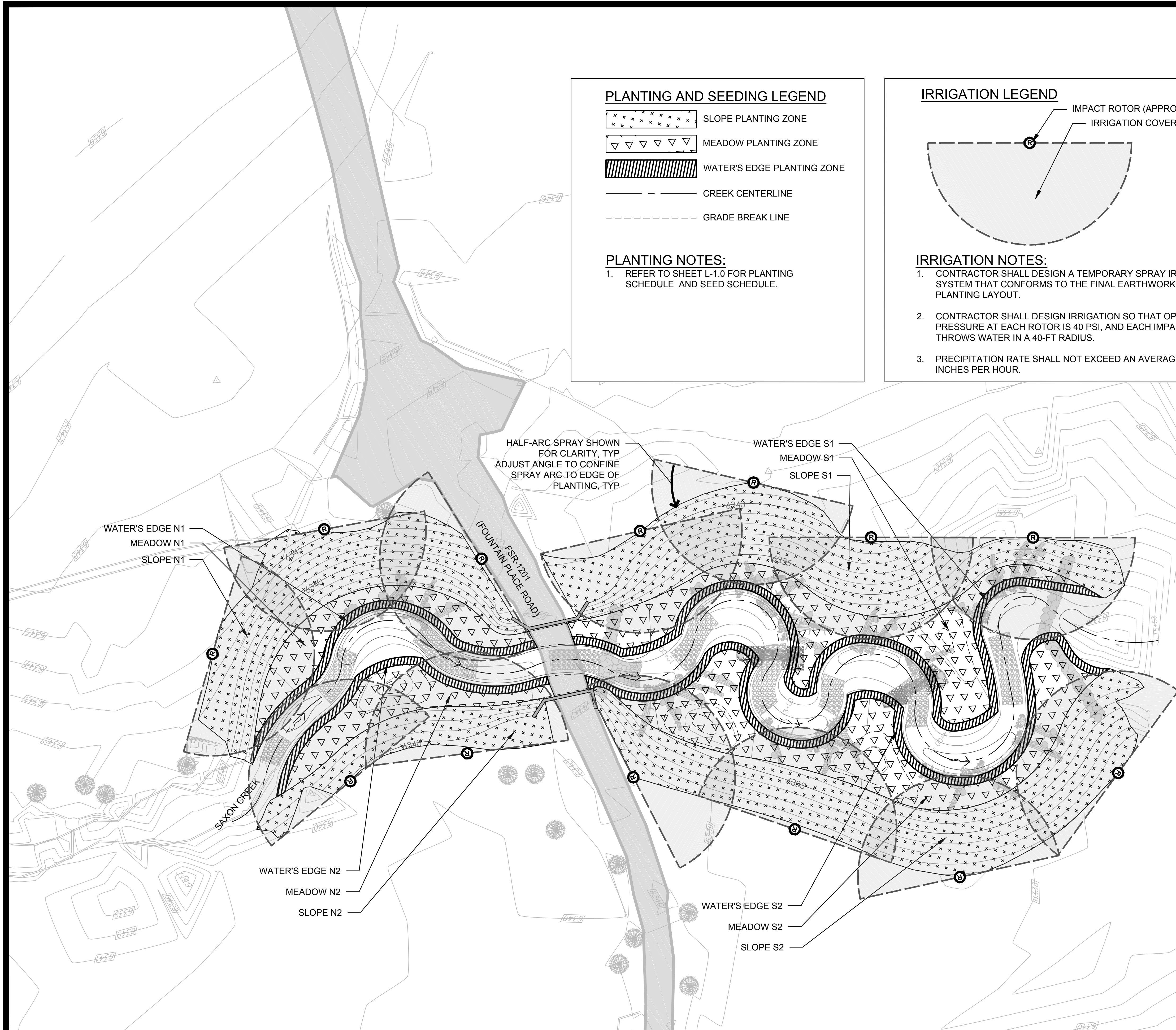
 SLOPE PLANTING ZONE
 MEADOW PLANTING ZONE
 WATER'S EDGE PLANTING ZONE
 CREEK CENTERLINE
 GRADE BREAK LINE

1. REFER TO SHEET L-1.0 FOR PLANTING SCHEDULE AND SEED SCHEDULE.

IMPACT ROTOR (APPROX LOCATION)

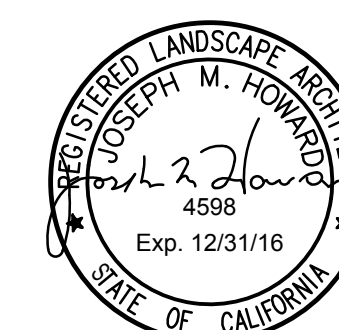
IRRIGATION COVERAGE AREA (APPROX)

1. CONTRACTOR SHALL DESIGN A TEMPORARY SPRAY IRRIGATION SYSTEM THAT CONFORMS TO THE FINAL EARTHWORK GRADES AND PLANTING LAYOUT.
2. CONTRACTOR SHALL DESIGN IRRIGATION SO THAT OPERATING PRESSURE AT EACH ROTOR IS 40 PSI, AND EACH IMPACT ROTOR THROWS WATER IN A 40-FT RADIUS.
3. PRECIPITATION RATE SHALL NOT EXCEED AN AVERAGE OF 0.5 INCHES PER HOUR



PROJECT
NORTH

GRAPHIC SCALE

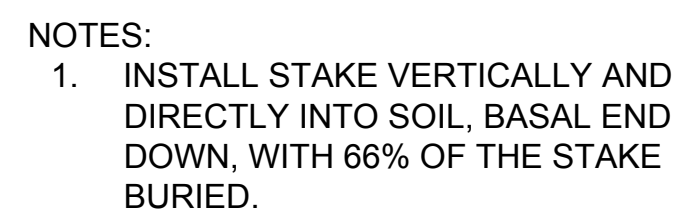


100% C.D.- 06/28/16



WILLOW COLLECTION-STAKE 16

- NOTES:
1. COLLECT MATERIAL FROM SELECT, HEALTHY GREEN WOOD FROM LOCATIONS APPROVED BY PROJECT BIOLOGIST.
 2. NO MORE THAN 30% OF THE BRANCHES OF ANY SINGLE TREE SHALL BE COLLECTED.
 3. AFTER CLEANLY CUTTING STAKE FROM TREE, TRIM TWIGS AND BRANCHES FLUSH TO STAKE.
 4. ORIENT STAKE WITH LEAF BUD SCARS POINTING UP.
 5. CUT TOP SQUARE.
 6. CUT BOTTOM (BASAL END) AT A 45 DEGREE ANGLE.
 7. IMMEDIATELY AFTER CUTTING AND TRIMMING, SUBMERGE 75% OF STAKE, BASAL END DOWN, IN WATER TO PREVENT DESICCATION.
 8. STAKES SHALL BE PLANTED THE SAME DAY THEY ARE CUT.



SECTION
NTS

WILLOW STAKE PLANTING—NO PLANTING PIT, NO BASIN 24



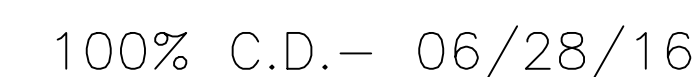
PLANT SMALL CONT-NO BASIN 24



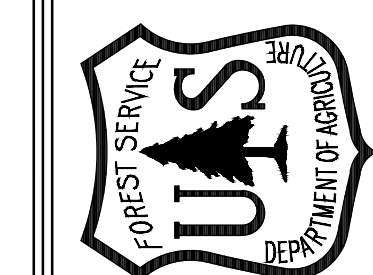
PLANT SMALL CONT-SLOPE, MULCH, STAKE_ENGLISH_24



PLANT SMALL CONT-SLOPE. MULCH. STAKE ENGLISH 24



DESIGN BY: PR/JH
DRAWN BY: LD
CHECKED BY: JH/PR
SCALE: AS NOTED



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The Pacific Southwest Region

USDA FOREST SERVICE LTBMU
SAXON CREEK AQP PROJECTLANDSCAPE
DETAILS

SHEET NUMBER

L-1.2

12 OF 12 SHEETS

PROJECT NO. _____

FST-1209-10

DATE: 06/28/2016