IMPROVEMENT PLANS FOR
WINTERS PUTAH CREEK PARK FLOODPLAIN
RESTORATION, PHASE 3

SOLANO COUNTY WATER AGENCY &
LOWER PUTAH CREEK COORDINATING COMMITTEE
SOLANO COUNTY, CALIFORNIA
FEBRUARY 2015

ABBREVIATIONS

SHEET INDEX
1. Title Sheet
2. Site Plan
3. Design Channel & Floodplain Grading: Plan & Profile
4. Design Channel & Floodplain Grading: Cross-Sections
5. South Drain Improvement
7. South Access Road Improvement
8. Erosion Control Plan

GENERAL NOTES
Plans are conceptual and are as accurate as the available data. Field modifications may be made at discretion of Agency.

SOLO COUNTY WATER AGENCY
810 VACA VALLEY PARKWAY, SUITE 203
VACAVILLE, CA 95688
PHONE (707) 451-6090, FAX (707) 451-6099

WINTERS PUTAH CREEK PARK
DESIGN CONDITION: PHASE 3

TITLE SHEET

DESIGN BY

DRAFTED BY

CHECKED BY

REV. DATE DESCRIPTION BY (PW)

SHEET 1 OF 8

SCALE VARIIES

FILE NO. C-119
GENERAL NOTES:
1. Transition to existing channel, field directed.
2. Spawning gravel stockpile provided by Agency, approx. 200 CT, initially for check dams. Use ultimately to develop spawning riffles.
3. Existing haul road to remain in service throughout duration of work. Will be moved to tie into finished grade surface along line of south bank.
4. Provide construction entrance per CASQA TC-1.
5. Provide hay bale barrier per CASQA SE-6.
6. Place spawning gravel across design channel to perform as gravel check berms per CASQA SE-4. Spawning gravel will be spread in place to form riffles as field directed. (typ.)
7. Preserve existing trees. (typ.)
8. Exfiltration trench.

LEGEND:
- CHANNEL RIFFLE, APPROX. 30 CY EACH
- LARGE TREE / VEGETATION
- CONTROL POINT
- TYPES: CAT = COTTONWOOD
- EL = ELDERBERRY
- BWAL = BLACK WALNUT
- HO = HICKORY
- OAK = OAK
- SYC = SYCAMORE
- ALD = ALDER
- WT = WILLOW
- TREE = UNDETERMINED

CONTROL POINTS:
11. NORTHING 4807.09, EASTING 10546.39', ELEVATION 137.23', NAIL+SHINER ON SIDE OF PUTAH CREEK ROAD
12. NORTHING 4807.09, EASTING 10546.39', ELEVATION 139.09', NAIL+SHINER ON SIDE OF PUTAH CREEK ROAD
18. NORTHING 4316.67, EASTING 9473.68', ELEVATION 114.67', NAIL+SHINER ON PERC. DAM ABUTMENT, NEAREST TO CREEK

SITE PLAN
WINTERS PUTAH CREEK PARK DESIGN CONDITION: PHASE 3

REV. DATE DESCRIPTION BY (AMPS)
02-17-2015 WINTERS PUTAH CREEK PARK - PHASE 3 - SITE PLAN

DESIGNED BY: JB
DRAWN BY: JB
CHECKED BY: TP

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SOLANO COUNTY
CALIFORNIA

FILE NO. L-119
PAGE 2 OF 8
SHEET 2 OF 8
SCALE 1" = 50'
WINTERS PUTAH CREEK PARK - PHASE 3 - SOUTH DRAIN IMPROVEMENT

DETAIL A - CULVERT TRANSITION TO FLOODPLAIN PLAN
NOT TO SCALE

NOTES:
1. Straighten existing 15" CMP.
2. Provide new 15" CMP and connect to existing 15" CMP per manufacturer's recommendation.
3. Install new 15" CMP according to alignment as shown.
4. Provide 3.5 degree elbow bend connecting new 15" CMP per manufacturer's recommendations.
5. Provide energy dissipation pool, see Sheet 5, Details A and B.
6. Install new 15" CMP and finish grade/new road improving in energy dissipation pool, see Sheet 5, Details A and B.
7. Install 15" CMP and finish grade/new road connecting to embankment.
8. Install energy dissipation pool as manufactured.
9. Provide outlet to design神器 at end of exfiltration trench at approximate Station 8+00, see Sheet 5, Detail C.
10. All details to be constructed in accordance with MD-1070.
11. All drawings for South Drain Improvement provided by contractors. All connections per owner/builder's recommendation.
12. Provide exfiltration trench, angle as shown from outlet to be 3'-0" deep and 4'-0" wide.
13. All work in accordance with CAGA 00-11, 02; Caltrans 61, 62, 64, 65, 69, 71.

DETAIL B - CULVERT TRANSITION TO FLOODPLAIN SECTION
NOT TO SCALE

DETAIL C - EXFILTRATION TRENCH SECTION (TYP.)
NOT TO SCALE

DETAIL D - CHANNEL OUTFALL
NOT TO SCALE

COMMENTS:
NOTES:
1. Existing soils not to be disturbed.
2. Remove existing slope from existing north creek embankment, as necessary for soil to soil compaction, within grading footprint.
3. Stockpile and reuse existing slope to ensure new grades not as field checked.
4. Do not disturb City trail improvements without authorization from City and Winters Putah Creek Park.
5. Provide hay bale dike along toe of constructed embankment.
6. Do not disturb City trail improvements without authorization from City and Winters Putah Creek Park.

COMMENTS:
GENERAL NOTES:

1. Provide construction entrance per CASQA TC-1.
2. Provide hay bale barrier per CASQA SE-6.
3. Place spawning gravel across design channel to perform as gravel check berms per CASQA SE-4. Spawning gravel will be spread in place to form riffles as field directed.
4. Preserve existing vegetation per CASQA EC-2. (typ.)
5. Provide fiber rolls on disturbed slope per CASQA SE-5.
6. Post-constructed floodplain treated with blown native straw mulch (CASQA EC-6) and native seeding provided by Agency (typ.).
7. Provide gravel back filter for pumping discharge (see CASQA NS-2).