



LOS ANGELES DISTRICT
U.S. ARMY CORPS OF ENGINEERS

DEPARTMENT OF THE ARMY PERMIT

Permittee: ADOT Kingman District; Mike Kondelis
Permit Number: SPL-2010-00697-KAT, US 93 Antelope Wash
Issuing Office: Los Angeles District

Note: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: To permanently discharge fill onto 3.133 acres of waters of the U.S., and to temporarily discharge fill onto 1.562 acres of waters of the U.S. pursuant to Section 404 of the Clean Water Act of 1972, in association with the 20 crossings on the US 93 Antelope Wash project (093 MO 101 H7388 01C) as shown on the attached drawings.

Specifically, you are authorized to:

Wash 1 (MP 103.90, Sta4568+78):

1. Realign and reconstruct channel from Sta. 4568+78 to 4591+89 (MP 103.90 to 103.50).
2. Construct new trapezoidal channel starting with a 25-foot wide bottom at the southern end; widen to 70 feet after approximately 500 feet with a maximum width of 80 feet at northern end.
3. Construct a series of gabion drop structures from Sta 4568+78 to 4591+89.
4. Permanent impacts due to realignment and placement of fill are 0.910 acre. Temporary impacts due to access are 0.007 acre.

Antelope Wash (MP 102.19 - 102.27, Sta 4654+00)

Southern crossing:

1. Remove existing 10-foot by 8-foot Concrete Box Culvert (CBC).
2. Construct a 262-foot-long, 10-foot by 8-foot CBC across the new northbound (NB) and southbound (SB) alignments.
3. Excavate inlet within a 94.4-foot-wide by 87-foot-long area to a maximum depth of 4.6 feet.

4. Place 30-foot-long riprap basin at outlet.
5. Permanent impacts due to new culvert and riprap 0.122 acre. Temporary impacts due to access are 0.039 acre.

Northern crossing:

1. Remove existing 8-cell, 10-foot by 10-foot CBC and re-contour a small portion of wash downstream of northbound bridge (see plans)
2. Construct two new 299-foot long, 3-span prestressed concrete AASHTO Type IV Girder southbound and northbound bridges. Construct two 72-inch diameter drilled shafts for each pier with a total of eight piers for the two bridges.
3. Place 475 linear feet of bank protection on the northern bank and 500 linear feet of bank protection on the southern bank of Cement Stabilized alluvium with a gabion mattress over high survivability filter fabric.
4. Permanent impacts due to bridge construction and bank protection are 0.542 acre. Temporary impacts due to access are 0.383 acre.

Wash 2 (MP 103.60, Sta 4576+00):

1. Place fill due to diversion channel construction.
2. Place fill due to roadway construction and embankment
3. Permanent impacts due to channel and roadway construction are 0.152 acre. Temporary impacts due to access are 0.002 acre.

Moss Wash (MP 103.45, Sta 4592+00):

1. Remove existing 8-cell, 10-foot by 10-foot CBC.
2. Construct new SB and NB bridges would be 219.5-foot-long, 2-span precast prestressed concrete AASHTO Type V Girder bridges with no skew.
3. Construct two new 219.5-foot long, 2-span precast prestressed concrete AASHTO Type V Girder southbound and northbound bridges Construct two 72-inch diameter drilled shafts for each pier with a total of four piers for the two bridges.
4. Place 385 linear feet of bank protection on the northern bank and 515 linear feet of bank protection on the southern bank of Cement Stabilized alluvium with a gabion mattress over high survivability filter fabric.
5. Permanent impacts due to bridge construction and bank protection are 0.259 acre. Temporary impacts due to access are 0.363 acre.

Wash 16 (MP 102.77, Sta 4628+73):

1. Remove existing 2-cell, 10-foot by 10-foot CBC.
2. Construct a 322-foot-long, 10-foot by 10-foot CBC across the new NB and SB alignments.
3. Excavate 127-foot-wide by 62.1-foot-long area to a maximum depth of 2.2 feet at the inlet.
4. Construct a 69-foot-long riprap basin at the outlet.
5. Permanent impacts due to new culvert and riprap 0.202 acre. Temporary impacts due to access are 0.095 acre.

Wash 22 (MP 101.90, Sta 4673+39):

1. Remove existing 10-foot by 10-foot CBC.
2. Construct a 218-foot-long, 10-foot by 10-foot CBC across the new NB and SB alignments.
3. Excavate a 150.2-foot-wide by 112.5-foot-long area to a maximum depth of 4.1 feet at inlet.

4. Construct a 42-foot-long riprap basin.
5. Permanent impacts due to new culvert and riprap 0.165 acre. Temporary impacts due to access are 0.112 acre.

Wash 23 (MP 101.75, Sta 4683+52):

1. Remove existing 3-cell, 12-foot by 8-foot CBC
2. Construct a 352-foot-long, 3-cell, 12-foot by 8-foot CBC across the new NB and SB alignments.
3. Construct 190 feet of wire tied riprap along the existing channel and immediately upstream of the CBC inlet.
4. Place 75 feet of dumped riprap directly upstream of the new wire tied riprap.
5. Construct an 86-foot-long riprap basin at the outlet.
6. Permanent impacts due to new culvert and riprap 0.372 acre. Temporary impacts due to access are 0.067 acre.

Wash No. or Name	Station No. (Milepost)	Permitted Activity	Permanent Impacts (acre)	Temporary Impacts (acre)
Wash 5	SB 4577+35 (MP 103.76)	Construct 356-foot long 60 inch corrugated metal pipe (CMP) 86 linear feet (LF) riprap at outlet and 45 LF riprap at inlet	0.018	0.001
Wash 7	SB 4589+00 (MP 103.55)	Place fill due to constructed channel, roadway construction and embankment	0.021	0.000
Wash 11	SB 4594+00 (MP 103.40)	Place fill due to roadway construction and embankment	0.014	0.000
Wash 12	SB 4601+22 (MP 103.3)	Construct 304-foot long 10-foot by 8-foot CBC with 41 LF of riprap at outlet	0.086	0.033
Wash 13	SB 4606+27 (MP 103.19)	Construct 286-foot long 48-inch CMP with 21 LF of riprap at outlet	0.055	0.015
Wash 14	SB 4617+80 (MP 102.97)	Construct 248-foot long 42-inch CMP with 19 LF of riprap at outlet	0.014	0.004
Wash 15	SB 4626+50 (MP 102.78)	Place fill due to roadway construction and embankment	0.037	0.000
Wash 17	SB 4631+00 (MP 102.76)	Place fill due to roadway construction and embankment	0.005	0.012
Wash 18	SB 4631+00 (MP 102.76)	Place fill due to roadway construction and embankment	0.070	0.005
Wash 19	SB 4652+09 (MP 102.3)	Construct 286 –foot long 42-inch CMP with 15 LF of riprap at outlet	0.009	0.000
Wash 21	SB 4659+00 (MP 102.18)	Place fill due to roadway construction and embankment	0.028	0.003
Wash 31	NB 4696+26 (MP 101.46)	Construct 42-foot long 60-inch CMP with 21 LF of riprap at outlet and 12 LF of riprap at inlet	0.029	0.033
Wash 33	NB 4698+07 (MP 101.42)	Construct 56-foot long 48-inch CMP with 21 LF of riprap at outlet and 12 LF of riprap at inlet	0.023	0.040

Project Location: The project is located along US 93 between MP 100.85 and MP 104.20, Sections 16, 21, 28, and 33 in T19N, R13W, Latitude 35.004841°N, Longitude -113.664217°W, 20 miles north of Wikieup, Mohave County, Arizona.

Permit Conditions:

General Conditions:

1. The time limit for completing the authorized activity ends on August 30, 2018. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification from this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify the Corps Archeology Staff within 24 hours (Steve Dibble at 213-452-3849) of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. A conditioned water quality certification from the Arizona Department of Environmental Quality has been issued dated March 25, 2013, for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished with the terms and conditions of your permit.

Special Conditions:

1. The permittee shall mitigate for the permanent loss of 2.724 acres of waters of the United States associated with the roadway improvements for the US 93, Antelope Wash project. **The permittee shall purchase 2.724 acres from the Prescott Creeks Organization for the Watson Woods Riparian Preserve Project. The permittee shall submit the funds to the Corps Phoenix Office.** The Corps will retain a copy of the check and send the check and transmittal letter to the sponsor and copies to ADOT. **The permittee shall submit the check to the Corps by December 31, 2013.**
2. **The construction limits for all work within waters of the U.S. shall be fenced, staked, or flagged prior to construction.** The contractor(s) shall be thoroughly familiar with

each of the project boundaries, and all perimeter markings shall be maintained intact for the life of the project. The contractor shall monitor each of the construction zones during the entire length of the contract to ensure fencing, staking, or flagging remains in place and that no vegetation is disturbed outside of the construction limits.

3. **The permittee shall provide notification, either written or verbal, to the Corps of Engineers at least one week prior to the start of work, as to the anticipated beginning and ending dates of construction.** The permittee shall maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit.
4. **A copy of the permit shall be on the job site at all times during construction.** The permittee shall provide a copy of this permit to all construction representatives. The permittee shall require that all construction representatives read this authorization in its entirety and acknowledge they understand its contents and their responsibility to ensure compliance with all general and special conditions contained herein.
5. The permittee shall ensure that all project areas disturbed by construction-related activities are stabilized and restored to their pre-project conditions/contours, to the maximum extent possible, upon project completion. Watercourse morphology shall be re-established to match pre-construction configurations. Areas disturbed above the ordinary high water mark will be reseeded with a locally native plant species.
6. The permittee shall not discharge dredged or fill material while constructing this project or any other phase of this project, other than the permitted activities identified above.

Further Information:

1. Congressional Authorities. You have been authorized to undertake the activity described above pursuant to:

() Section 10 of the River and Harbor Act of 1899 (33 U.S.C. 403).

(X) Section 404 of the Clean Water Act (33 U.S.C. 1344).

() Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

- a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.
- b. This permit does not grant any property rights or exclusive privileges.
- c. This permit does not authorize any injury to the property or rights of others.
- d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

- c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
- d. Design or construction deficiencies associated with the permitted work.
- e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data. The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

- a. You fail to comply with the terms and conditions of this permit.
- b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).
- c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measure ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give you favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

M. J. Kondelis

PERMITTEE M. J. KONDELIS
ADOT KINGMAN DISTRICT ENG.

8-29-13

DATE

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

Sallie Diebolt

CHIEF, ARIZONA BRANCH

05SEP2013

DATE

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

TRANSFeree

DATE

LOS ANGELES DISTRICT
U.S. ARMY CORPS OF ENGINEERS

NOTIFICATION OF COMMENCEMENT OF WORK
FOR
DEPARTMENT OF THE ARMY PERMIT

Permit Number: *SPL-2010-00697-KAT, US 93 Antelope Wash*
Name of Permittee: *Kingman District; Mike Kondelis*
Date of Issuance: *September 3, 2013*

Date work in waters of the U.S. will commence: _____
Estimated construction period (in weeks): _____
Name & phone of contractor (if any): _____

Please note that your permitted activity is subject to a compliance inspection by an Army Corps of Engineers representative. If you fail to comply with this permit you may be subject to permit suspension, modification, or revocation.

I hereby certify that I, and the contractor (if applicable), have read and agree to comply with the terms and conditions of the above referenced permit.

Signature of Permittee

Date

At least ten (10) days prior to the commencement of the activity authorized by this permit, sign this certification and return it using any ONE of the following three (3) methods:

(1) E-MAIL a statement including all the above information to:
Kathleen.A.Tucker@usace.army.mil
OR

(2) MAIL to the following address:
U.S. Army Corps of Engineers
Regulatory Division
ATTN: CESPL-RG-SPL-2010-00697-KAT
3636 N. Central Ave, Suite 900
Phoenix, AZ 85012-1939

LOS ANGELES DISTRICT
U.S. ARMY CORPS OF ENGINEERS

**NOTIFICATION OF COMPLETION OF WORK AND
CERTIFICATION OF COMPLIANCE WITH
DEPARTMENT OF THE ARMY PERMIT**

Permit Number: *SPL-2010-00697-KAT, US 93 Antelope Wash*
Name of Permittee: *Kingman District; Mike Kondelis*
Date of Issuance: *September 3, 2013*

Date work in waters of the U.S. completed: _____
Construction period (in weeks): _____
Name & phone of contractor (if any): _____

Please note that your permitted activity is subject to a compliance inspection by an Army Corps of Engineers representative. If you fail to comply with this permit you may be subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of said permit.

Signature of Permittee

Date

Upon completion of the activity authorized by this permit, sign this certification and return it using any ONE of the following three (3) methods:

(1) E-MAIL a statement including all the above information to:
Kathleen.A.Tucker@usace.army.mil
OR

(2) MAIL to the following address:
U.S. Army Corps of Engineers
Regulatory Division
ATTN: CESPL-RG-SPL-2010-00697-KAT
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