

DEPARTMENT OF THE ARMY PERMIT

Permittee: Arizona Department of Transportation; Julie Gadsby

Project Name: South Mountain Freeway SR202L (202 MA 054 H8827 01C)

Permit Number: SPL-2002-00055

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 into 5.829 acres of waters of the U.S., and to temporarily discharge fill into 7.130 acres of waters of the U.S. pursuant to Section 404 of the Clean Water Act of 1972, in association with the South Mountain Freeway SR202L (202 MA 054 H8827 01C) Project as shown on the attached drawings.

Specifically, you are authorized to construct and maintain the structures shown in Table 1:

Table 1 – Construction Activities in WUS

Count	Wash Name and Number	Existing Structure ¹	Primary Construction Activities	Proposed Structure ¹	Inlet Protection	Outlet Protection
1	Wash 1 (W1)	4-10'x7'x149' CBC	Remove existing culvert and construct new culvert with inlet and outlet concrete aprons, riprap outlet protection, and channel grading.	4-10'x5'x449' RCBC	36'x71' concrete apron	22'x60' concrete apron; 28'x75' riprap
2	Constructed Channel 1 (C1)	3-8'x4'x121' CBC	Remove existing culvert and construct new culvert with inlet and outlet concrete aprons and riprap outlet protection.	4-10'x4'x215' RCBC	25'x56' concrete apron	13'x50' concrete apron; 55'x88' riprap
3	Constructed Channel 3 (C3)	6-10'x5'x133' CBC	Construct new culvert north of existing culvert with inlet and outlet concrete aprons and riprap outlet protection.	6-10'x5'x215' RCBC	10'x85' concrete apron	15'x90' concrete apron; 31'x77' riprap

Table 1 – Construction Activities in WUS

Count	Wash Name and Number	Existing Structure ¹	Primary Construction Activities	Proposed Structure ¹	Inlet Protection	Outlet Protection
4	Constructed Channel 4 (C4)	3-81"x59"x120' CMPA	Remove existing culvert and construct concrete-lined channel and 2 new culverts, one with concrete inlet apron, and the other with concrete outlet apron and riprap outlet protection.	49'x1,438' CC; 3-10'x6'x37' RCBC; 3-10'x6'x236' RCBC	10'x45'concrete apron	21'x52' concrete apron; 37'x52' riprap
5	Wash 2 (W2)	2-87"x63"x120' CMPA	Remove existing culvert and construct new concrete-lined channel, CHDPEPP, and culvert with concrete outlet apron and riprap outlet protection.	52'x564' CC; 18"x44' CHDPEPP; 2-10'x5'x232' RCBC;	N/A	15'x32' concrete apron; 97'x20' riprap
6	Constructed Channel 5 (C5)	2-81"x59"x164' CMPA	Remove existing culvert and construct new culvert with inlet and outlet concrete aprons and riprap outlet protection.	3-72"x253' RCP	61'x50' concrete apron	22'x50' concrete apron; 34'x44' riprap
7	Wash 3 (W3)	3-96"x138' CMP	Remove existing culvert and construct new culvert with outlet riprap energy dissipater.	2-12'x8'x518' RCBC	N/A	77'x85' riprap energy dissipater
8	Wash 4 (W4)	1-78"x214' CMP	Remove existing culvert and construct new culvert with riprap outlet protection.	1-8'x6'x372' RCBC	N/A	35'x85' riprap
9	Wash 5 (W5)	2-78"x170' CSP	Small animal crossing. Remove existing CSP and construct new culvert with inlet channel grading, grouted riprap inlet protection, and grouted riprap outlet protection. Culvert floors lined with 4" of non-shrink grout covered with 8" of natural substrate.	2-72"x330' CMP (Small Animal Crossing)	20'x41' grouted riprap	20'x37' grouted riprap
10	Constructed Channel 6 (C6)	5-90"x196' CMP	Remove existing culvert and construct new culvert with inlet and outlet concrete aprons and riprap outlet protection.	4-10'x7'x222' RCBC	20'x56' concrete apron	19'x49' concrete apron; 35'x60' riprap
11	Wash 43 (W43)	3-24"x136' CMP	Remove existing culvert and construct new culvert with riprap inlet and outlet protection and outlet channel grading.	2-36"x361' RCP	34'x40' riprap	10'x40' riprap
12	Truncated Wash West (T2)	1-18"x153' CMP	Remove existing culvert and construct new culvert with riprap outlet protection and channel grading.	1-24"x321' RCP	N/A	8'x24' riprap

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Count	Wash Name and Number	Existing Structure¹	Primary Construction Activities	Proposed Structure¹	Inlet Protection	Outlet Protection
13	Wash 44 (W44)	1-18"x142' RCP	Remove existing culvert and construct new culvert with inlet channel grading, outlet riprap protection, and outlet channel grading.	1-30"x280' RCP	N/A	10'x19' riprap
14	Wash 6 (W6)	N/A	Concrete channel to redirect flows to W7.	20'x363' CC	N/A	N/A
15	Wash 7 (W7)	1-8'x4'x145' CBC	Remove existing culvert and construct new culvert with inlet concrete channel lining and riprap protection, concrete outlet apron and riprap outlet protection, and channel grading.	1-10'x6'x320' RCBC	10'x20' riprap; 22'x58' concrete channel	16'x34' concrete apron; 25'x63' riprap
16	Wash 8 (W8)	1-8'x4'x141' RCBC	Small animal crossing. Remove existing culvert and construct new culvert with grouted riprap inlet and outlet protection and outlet channel grading. Culvert floor and grouted riprap covered with 12" of natural substrate.	1-10'x6'x243' RCBC (Small Animal Crossing)	62'x28' grouted riprap	24'x53' grouted riprap
17	Wash 9 (W9)	1-8'x4'x136' CBC	Remove existing culvert and construct new culvert with inlet and outlet concrete aprons, riprap protection, and channel grading.	1-10'x5'x254' RCBC	2-10'x18' riprap; 17'x28' concrete apron	18'x24' concrete apron; 20'x54' riprap
18	Wash 10 (W10)	1-8'x4'x167' CBC	Remove existing culvert and construct new culvert with inlet and outlet concrete aprons, riprap protection, and channel grading.	1-6'x6'x286' RCBC	10'x18' riprap; 19'x32' concrete apron	16'x31' concrete apron; 24'x62' riprap
19	Wash 11 (W11)	1-24"x165' RCP	Remove existing culvert and construct new culvert with inlet and outlet concrete aprons, riprap protection, and channel grading.	1-10'x6'x246' RCBC	10'x28' riprap; 19'x34' concrete apron	18'x33' concrete apron; 24'x64' riprap
20	Wash 12 (W12)	2-24"x154' RCP	Remove existing culvert and construct new culvert with inlet and outlet concrete aprons, riprap protection, and channel grading.	2-8'x5'x230' RCBC	10'x24' riprap; 17'x39' concrete apron	18'x45' concrete apron; 20'x73' riprap
21	Wash 13 (W13)	2-36"x159' RCP	Remove existing culvert and construct new culvert with inlet and outlet concrete aprons, riprap protection, and channel grading.	4-8'x5'x207' RCBC	28'x70' riprap; 9'x47' concrete apron	17'x47' concrete apron; 68'x77' riprap

Table 1 – Construction Activities in WUS

Count	Wash Name and Number	Existing Structure¹	Primary Construction Activities	Proposed Structure¹	Inlet Protection	Outlet Protection
22	Constructed Channel 7 (C7)	4-6'x5'x16' RCBC	Remove existing culvert and construct 2 new culverts, one with inlet and outlet concrete aprons and riprap protection.	1-18" x124' RCP; 3-10'x5'x240' RCBC	20'x60' concrete apron	15'x50' concrete apron; 45'x55' riprap
23	Wash 17 (W17)	N/A	Construct new bridge and 510'x50' earthen channel with 30' bottom width and 6:1 side slopes.	148'x167' Bridge (multi-use crossing)	N/A	N/A
24	Wash 18 (W18)	N/A	Construct new culvert with inlet channel grading and concrete apron and outlet concrete apron and riprap protection.	1-48" x282' CMP	8'x14' concrete apron	8'x14' concrete apron; 5'x18' riprap
25	Wash 19 (W19)	N/A	Construct new culvert with inlet channel grading and concrete apron and outlet concrete apron and riprap protection.	2-48" x192' CMP	9'x21' concrete apron	15'x28' concrete apron; 5'x32' riprap
26	Wash 20 (W20)	N/A	Construct new culvert with inlet channel grading and concrete apron and outlet concrete apron and riprap protection.	1-48" x198' CHDPEPP	9'x14' concrete apron	15'x20' concrete apron; 5'x20' riprap
27	Wash 21 (W21)	N/A	Construct new culvert with inlet channel grading and concrete apron and outlet concrete apron and riprap protection.	1-48" x220' CHDPEPP	8'x14' concrete apron	8'x14' concrete apron; 5'x20' riprap
28	Wash 22 (W22)	N/A	Construct new culvert with inlet channel grading and outlet concrete apron and riprap protection.	2-10'x6'x241' RCBC	N/A	11'x29' concrete apron; 5'x33' riprap
29	Wash 23 (W23)	N/A	Construct new bridge and associated construction access.	145'x147'L Bridge (multi-use crossing)	N/A	N/A
30	Wash 24 (W24)	N/A	Construction access for new bridge at W23.	N/A	N/A	N/A
31	Wash 25 (W25)	N/A	Construct new culvert with inlet and outlet riprap protection.	1-36" x337' CMP	43'x20' riprap	5'x20' riprap
32	Wash 26 (W26)	N/A	Construct new culvert with inlet riprap protection and outlet concrete apron and riprap dissipater.	1-10'x4'x355' RCBC	28'x20' riprap	8'x19' concrete apron; 50'x32' grouted riprap

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Count	Wash Name and Number	Existing Structure¹	Primary Construction Activities	Proposed Structure¹	Inlet Protection	Outlet Protection
33	Wash 28 (W28)	N/A	Construct new bridge, 329'x74' earthen channel with 43' bottom width and 3:1 side slopes, and 120'x400' spreader basin.	145'x157' Bridge (multi-use crossing)	N/A	27'x62' riprap; 30'x127' riprap
34	Wash 29A (W29A)	N/A	Construct grader ditch to redirect flows via a 160' long earthen channel to W29.	18'x140' GD	N/A	N/A
35	Wash 29 (W29)	N/A	Construct new culvert with inlet grading and concrete apron, and outlet concrete apron, riprap outlet protection, and spreader basin.	1- 10'x4'x215' RCBC	7'x18' concrete apron	7'x17' concrete apron; 16'x39' riprap
36	Wash 30 (W30)	N/A	Construct new culvert with inlet grading and outlet riprap protection.	1-36"x243' CHDPEPP	N/A	12'x16' riprap
37	Wash 31 (W31)	N/A	Construct new culvert with inlet grading and concrete apron, and outlet concrete apron, riprap protection, and spreader basin.	5-54"x200' CMP	9'x47' concrete apron	9'x47' concrete apron; 18'x76' riprap
38	Wash 32 (W32)	N/A	Construct new culvert with inlet grading and outlet concrete apron, riprap protection, and spreader basin.	2- 10'x4'x226' RCBC	N/A	10'x35' concrete apron; 16'x67' riprap
39	Wash 33 (W33)	N/A	Construct new at-grade crossing of local street with upstream riprap protection and new culvert with inlet grading, riprap protection, and concrete apron and outlet concrete apron and riprap protection.	2-72"x180' CMP	17'x39' riprap; 36'x63' riprap	11'x21' concrete apron; 24'x40' riprap
40	Wash 34 (W34)	N/A	Construct new culvert under local street with riprap inlet protection and a new culvert under SMF with inlet and outlet protection.	4- 30"x48' CMP A; 1- 10'x4'x190' RCBC	10'x30' riprap; 51'x40' riprap; 6'x23' concrete apron	16'x15' concrete apron; 16'x38' riprap
41	Wash 35 (W35)	N/A	Construct new at-grade crossing of local street with upstream riprap protection and new culvert with inlet grading and concrete apron and outlet riprap protection.	1- 10'x4'x204' RCBC	5'x19' concrete apron	7'x15' concrete apron; 16'x38' riprap
42	Wash 36 (W36)	N/A	Construct new culvert with inlet and outlet grading and riprap protection.	2- 10'x5'x192' RCBC	35'x37' riprap	37'x45' riprap protection

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Count	Wash Name and Number	Existing Structure ¹	Primary Construction Activities	Proposed Structure ¹	Inlet Protection	Outlet Protection
43	Wash 37 (W37)	N/A	Construct new culvert with upstream channel grading to redirect flow via a 456' long earthen channel to the new culvert with outlet concrete apron and riprap protection.	5-72"x284' CMP	N/A	14'x54' concrete apron; 38'x55' riprap protection
44	Wash 38 (W38)	N/A	Construct new at-grade crossing of local street with upstream riprap protection and new culvert with inlet and outlet riprap protection.	1-36"x250' CHDPEPP	19'x32' riprap; 34'x32' riprap	12'x18' riprap
45	Wash 39 (W39)	N/A	Construct new at-grade crossing of local street with upstream riprap protection and new culvert with inlet and outlet riprap protection.	1-36"x261' CHDPEPP	19'x28' riprap; 30'x34' riprap	12'x16' riprap
46	Wash 40 (W40)	N/A	Construct new culvert with inlet channel grading and outlet riprap protection.	1-36"x332' CHDPEPP	N/A	15'x18' riprap
47	Wash 41 (W41)	N/A	Channel grading to redirect flows via a 225' long earthen channel under new bridge.	145'x134' Bridge (multi-use crossing)	N/A	N/A
48	Laveen Area Conveyance Channel (LACC)	N/A	Remove existing concrete channel lining and construct new culvert with 10' inlet and outlet concrete transitions from new culvert to existing concrete lining; excavation and backfill for Laveen Area Conveyance Channel siphon to be installed upstream from the new RCBC inlet; channel grading and pump around to be installed during construction.	4-12'x16'x320' RCBC	10' concrete transition	10' concrete transition
49	Salt River Mine Pit (SRMP)	N/A	Construct an EB and WB 16-span 85'x 2660' Precast/Prestressed Concrete BT82 Girder Bridge with 4-72" drilled shafts supporting 60" columns for each pier and 10' of riprap scour protection around the base of each pier. Only piers 11, 12, and 13 on both the EB and WB bridges would be placed within WUS.	85'x2,660' Bridges (2)	N/A	N/A

¹ Structure Types: CBC = Concrete Box Culvert; CC = Concrete Channel; CHDPEPP = Corrugated High-Density Polyethylene Plastic Pipe; CMP = Corrugated Metal Pipe; CMPA = Corrugated Metal Pipe Arch; GD = Grader Ditch; RCBC = Reinforced Concrete Box Culvert; RCP = Reinforced Concrete Pipe.

Table 2-Impacts to WUS by Drainage

Drainage ID	Permanent Impact (Acres)	Temporary Impact (Acres)	Total Impacts (Acres)
W1	0.149	0.135	0.284
C1	0.182	0.082	0.264
C3	0.151	0.074	0.225
C4	0.701	0.109	0.810
W2	0.340	0.065	0.405
C5	0.115	0.054	0.169
W3	0.754	0.139	0.893
W4	0.075	0.065	0.140
W5	0.112	0.107	0.219
C6	0.113	0.039	0.152
W43	0.058	0.000	0.058
T2	0.040	0.007	0.047
W44	0.054	0.004	0.058
W6	0.087	0.004	0.091
W7	0.092	0.031	0.123
W8	0.051	0.051	0.102
W9	0.052	0.027	0.079
W10	0.064	0.037	0.101
W11	0.022	0.024	0.046
W12	0.036	0.026	0.062
W13	0.028	0.045	0.073
C7	0.094	0.049	0.143
W17	0.077	0.013	0.090
W18	0.041	0.011	0.052
W19	0.041	0.011	0.052
W20	0.024	0.013	0.037
W21	0.021	0.009	0.030
W22	0.136	0.068	0.204
W23	0.000	0.104	0.104
W24	0.000	0.007	0.007
W25	0.046	0.000	0.046
W26	0.051	0.008	0.059
W28	0.169	0.000	0.169
W29A	0.092	0.000	0.092
W29	0.187	0.000	0.187
W30	0.079	0.000	0.079

Table 2-Impacts to WUS by Drainage

Drainage ID	Permanent Impact (Acres)	Temporary Impact (Acres)	Total Impacts (Acres)
W31	0.156	0.000	0.156
W32	0.069	0.000	0.069
W33	0.052	0.002	0.054
W34	0.053	0.002	0.055
W35	0.050	0.020	0.070
W36	0.093	0.010	0.103
W37	0.167	0.018	0.185
W38	0.049	0.004	0.053
W39	0.050	0.006	0.056
W40	0.034	0.006	0.040
W41	0.078	0.014	0.092
LC	0.370	0.417	0.787
SRMP	0.274	5.213	5.487
TOTALS	5.829	7.130	12.959

Project Location: within/near the city of Phoenix, Maricopa County, Arizona.

Permit Conditions:

General Conditions:

1. The time limit for completing the authorized activity ends on November 9, 2027. 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 this office 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. If a conditioned water quality certification has been issued 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 if it contains such conditions.
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. Mitigation.

Prior to initiating construction in WUS, and to mitigate for impacts to 5.829 acres of non-wetland WUS, the Permittee shall provide documentation verifying purchase of 5.829 restoration/enhancement credits (impacts mitigated at a 1:1 ratio) from the Corps-approved Arizona Game and Fish Department (AZGFD) in-lieu fee program (ILFP). The Permittee shall not initiate work in WUS prior to receiving written confirmation (by letter or e-mail) from the Corps Regulatory Division as to compliance with this special condition. The Permittee retains responsibility for providing the compensatory mitigation until the number and resource type of credits described above have been secured from AZGFD and the district engineer has received documentation that confirms that AZGFD has accepted the responsibility for providing the required compensatory mitigation in accordance with the ILFP instrument.

2. Changes in Design or Impacts to Waters of the U.S.

The Permittee has provided detailed drawings, specifications, and impact sheets at a level of detail to allow the Corps to sufficiently determine impacts to WUS. However, the Corps recognizes that design-build projects frequently experience design modification after permit issuance. Furthermore, ongoing consultation with the Gila River Indian Community and other factors regarding drainage concerns may result in modifications to the design after permit issuance. If changes to design or impacts to WUS occur, the Permittee must contact the Corps and provide information regarding the proposed changes so that it can determine if additional authorization is required to comply with Section 404 of the Clean Water Act. Each submittal shall meet the Final Map and Drawing Standards for the South Pacific Division (SPD) Regulatory Division and identify any changes in the design that have occurred since permit issuance.

3. Impacts to existing flows, submission of the drainage reports.

To prevent adverse impacts to adjacent properties, the Permittee must prevent increases in flow characteristics such as discharge, velocity, and surface water elevation upstream and downstream of the project area within WUS and immediate vicinity. Existing drainage patterns and paths must be matched in the proposed condition within WUS and immediate vicinity. It may be necessary to conduct 2-Dimensional analyses to confirm existing condition drainage patterns and paths are matched. If increases are unavoidable, mitigation measures shall be implemented to reduce any

increases to a level that will not cause adverse impacts such as flooding, erosion or scour to occur on adjacent properties beyond existing conditions. WUS within the Pecos and Center Segments have been identified as areas where risks to adjacent properties exist. Drainage analysis reports documenting the existing and proposed conditions for the Pecos Segment have been submitted to the Corps for review to verify compliance with this requirement. These reports have been reviewed and additional supporting documentation and design analyses have been submitted and reviewed. Revision to the Hydrology and Hydraulics Reports and Design Plans must be submitted to the Corps for final comment close-out. No work is authorized to occur further than 20 feet downstream of the mainline toe of slope in Wash C4 until a revised Design Plan and Impact Sheet have been submitted to the Corps. After Corps review and if no concerns are found, the Corps shall provide written concurrence and notice to proceed via email or letter, after which all authorized work for Wash C4 may proceed.

Hydrology and Hydraulics Reports for the Center Segment were not complete at the time of permit issuance; these reports shall be submitted to the Corps and the Gila River Indian Community for review. No discharges of fill material in WUS shall occur in WUS within the Center Segment until the Corps review is complete. After Corps review and if no concerns are found, the Corps shall provide written concurrence and notice to proceed via email or letter, after which authorized work in the Center Segment may proceed.

Within the Center Segment, Permittee shall consider the existing condition analysis from the Gila River Indian Community's Komatke Area Drainage Master Study when evaluating potential downstream impacts on the Community's lands. A drainage analysis acceptable to the Corps may be needed to demonstrate existing flow patterns on Community lands are matched. The Permittee shall provide the Corps documentation of efforts to coordinate with the Gila River Indian Community to address concerns and share information regarding the design of the Center Segment of the proposed South Mountain Freeway project. This documentation will be provided on a monthly basis until construction in WUS is complete and will be provided to the Corps by the fifteenth of the following month.

4. Notification.

The Permittee shall provide notification, via email or letter, to the Corps Regulatory Division at least one week prior to the start of work, as to the anticipated beginning and ending dates of construction and maintenance activities authorized by the DA permit.

5. Permit Availability.

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 permit in its entirety and acknowledge they understand its contents and their responsibility to ensure compliance with all general and special conditions contained herein.

6. Maintenance.

Within 90 days of completion of construction activities within WUS, the Permittee shall provide as-built drawings that show elevations and configurations for all structures and fills constructed. Once

these have been submitted to the Corps, the Permittee is authorized to undertake the maintenance activities described below. All maintenance activities within WUS are limited to the ADOT ROW or easement associated with SMF and must comply with all special conditions listed in this permit except for Special Conditions 1, 2, and 3, which apply to initial construction. After the maintenance activity is completed, temporary fills must be removed in their entirety and the affected areas returned to pre-activity elevations, to the maximum extent possible. All project areas disturbed by construction-related activities must be stabilized and upland areas reseeded with a native seed mixture unless other treatments are specified for the site by the landscape plan and result in stable site conditions that are not susceptible to erosion.

Annual Reporting of Maintenance Activities: Within one year of permit issuance, the Permittee shall develop and maintain an internal tracking system that includes all maintenance activities completed within WUS. Documentation shall include a description of the maintenance activity, location information which identifies the drainage where work occurred, the start and end dates of the work, the approximate area of disturbance, and a description of the restoration activities completed. Beginning in 2020, the Permittee shall provide a report of the maintenance activities conducted to the Corps Regulatory Division once per year, by September 30th for the period July 1st through June 30th.

Rio Salado de Oeste: No modification of the low flow channel is authorized for maintenance purposes without prior coordination with the Corps. In the event the Rio Salado de Oeste ecosystem restoration and recreation project begins to be constructed within the project area by the Corps, these maintenance activities shall be suspended within the Corps' ecosystem restoration and recreation project area. Authorized maintenance activities in this area may resume after Corps' re-evaluation of impacts to WUS under Section 404 of the CWA, and a determination of whether any permit under Section 14 of the Rivers and Harbors Act, and any mitigation, is required.

A. Repair, Rehabilitation, Replacement, or Removal of Structures and Fill:

This permit authorizes the repair, rehabilitation, replacement, or removal of any fill material authorized by the DA permit, unless otherwise exempt under Section 404(f) of the CWA, in order to maintain the structural integrity and operational capacity of the fill material authorized by the DA permit for adequate drainage, flood hazard reduction, and overall public safety. Deviations in the configuration or filled area that result in 0.03 acre or less of additional permanent impacts per crossing are authorized. Deviations include those due to changes in materials, construction techniques, requirements of other regulatory agencies, or current construction codes or safety standards that are necessary to make the repair, rehabilitation, or replacement are authorized. This includes the repair, rehabilitation, replacement, or removal of any fill material authorized by the DA permit destroyed or damaged by storms, floods, fire or other discrete events. Deviations greater than 0.03 acre per crossing require prior coordination with the Corps so that it can determine if additional authorization is required to comply with Section 404 of the Clean Water Act. The activity cannot proceed unless the Permittee is notified in writing by the Corps that the activity may proceed.

B. Sediment, Debris, and Obstruction Removal:

The removal of accumulated sediments and debris in the vicinity of fill materials authorized by the DA permit. Activities include the removal of deposited sediment, debris, woody and herbaceous vegetation (including exotic/invasive species), or other obstructions which compromise the integrity of the fill and/or impede flows in the vicinity of the fill authorized by this DA permit. This would include removals to re-establish design flow capacity in a watercourse for public safety when flow events do not sufficiently fully flush those materials completely through the system, which may result in flooding or erosion of adjacent property. Removals may be completed by hand, by mechanized equipment, or using a hydrovac or other similar system to liquefy sediment that would then be vacuumed out of the channel. Material must be removed to an upland site and disposed of properly unless used for erosion repair as described below. Invasive and noxious plant species removed during maintenance activities shall be disposed of at an approved location outside of WUS.

C. Erosion Repair using Accumulated Sediment:

These activities include the use of accumulated sediments removed/excavated from WUS within the project's ROW or easement to be utilized for the repair of erosion damage in WUS within ADOT ROW or easement. The use of the accumulated sediments to repair erosion damage must occur simultaneously with removal activities and accumulated sediments may only be temporarily stockpiled in the channel while removal/replacement activities are concurrently occurring. All excess material not used shall be removed from the watercourse to an upland site.

D. Temporary Structures or Fills Necessary for Maintenance Activities

This includes temporary fills and other work, including the use of temporary mats, necessary to conduct any of the maintenance activities above. Appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable, when temporary discharges, including cofferdams, are necessary for maintenance activities, access fills, or temporary dewatering.

7. Flagging.

The Permittee shall fence, stake or flag the construction limits for all work within WUS prior to initial construction. Offset stakes with the distance indicated on the marker are acceptable where marking of the exact limits is unfeasible or creates a hazard. The contractor(s) shall be thoroughly familiar with each of the project boundaries, and all perimeter markings shall be maintained intact during construction or maintenance. The Permittee shall monitor each of the construction zones to ensure fencing, staking, or flagging remains in place and no disturbance occurs outside of the construction/maintenance limits within WUS.

8. Maintenance of flows.

Except when required by Condition #17 of the Section 401 Water Quality Certification, appropriate measures must be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable. In ephemeral washes other than the Salt River, no work will occur when water is present in the worksite. No alteration of flows during construction are authorized, except for the LACC and the Salt River (See Special Condition 9).

9. Dewatering.

Dewatering and diversion of flows within LACC and the Salt River is authorized during construction and maintenance. Water removed from the channel will be returned to the channel without an increase in sediment downstream of the project site. To prevent erosion at the discharge point, energy dissipation and/or scour protection will be utilized as appropriate, and must be removed after dewatering operations have ceased. If flows in the LACC will be interrupted for any reason, advanced notification and coordination with Gila River Indian Community Department of Environmental Quality is required. The Corps must be copied on the notification to ensure compliance.

10. Temporary fills.

Temporary fills must consist of materials, and placed in a manner, that will not be eroded by expected normal flows. No stockpiling or staging of materials or equipment is authorized within WUS with the following exception: equipment or materials too large or unwieldy to be readily moved; e.g., large cranes, slurry tanks and hoses, rebar for rebar cages, and large concrete forms that need to be assembled near cranes and bridge components as necessary for bridge construction in the Salt River. However, the above referenced material stockpiled within WUS shall not consist of hazardous materials such as fuel and may be located in WUS only as long as is necessary for active construction of bridge components. Temporary haul roads placed across WUS shall be designed so that expected flows are not restricted. Constructing at-grade crossings or placing pipes to convey flows are appropriate means to ensure flows are not blocked by roads. Temporary fills necessary in order to dewater or temporarily divert flows, such as coffer dams, are authorized in the LACC and Salt River during construction. After the initial construction activity is completed, temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations, to the maximum extent possible. The location of the temporary fills must avoid the removal of mature trees, to utilize previously disturbed areas to the maximum extent possible, and minimize the total area of disturbance. All project areas disturbed by construction-related activities must be stabilized and upland areas reseeded with native seed mixture unless other treatments are called for by the project's landscape plan that sufficiently stabilize the affected areas from erosion.

11. Fill free of contaminants

All fill placed in WUS must be of suitable material (no trash, debris, asphalt, etc.). All discharges of fill material into WUS must be free from toxic pollutants in toxic amounts (Section 307 of the CWA).

12. Invasive species.

The Permittee is responsible for controlling and preventing the spread of noxious invasive species in WUS. The Permittee shall utilize integrated vegetation management practices in accordance with State and Federal Laws and Executive Orders to manage invasive species in WUS.

13. Endangered Species

This DA permit does not authorize you to take any threatened or endangered species or to adversely modify its designated critical habitat. In order to legally take a listed species, you must have separate authorization under the Endangered Species Act (ESA) (e.g. ESA Section 10 permit, or a Biological Opinion under ESA Section 7, with "incidental take" provisions with which you must comply).

14. Migratory Birds and Bald and Golden Eagles.

The Permittee is responsible for ensuring their action complies the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The Permittee is responsible for contacting the appropriate local office of the U.S. Fish and Wildlife Service to determine applicable measures to reduce impacts to migratory birds or eagles, including whether incidental take permits are necessary and available for a particular activity.

15. Programmatic Agreement.

The Permittee shall fully implement the attached Programmatic Agreement among the Federal Highway Administration, Arizona State Historic Preservation Office, and the Arizona Department of Transportation for the Loop 202-South Mountain Freeway Project: Project Number NH-202-D(ADY) TRACS No. 202L MA 054 H5764 01L. This requirement is meant to assure compliance with the permittee's responsibilities under Section 106 of the National Historic Preservation Act.

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.

DocuSigned by:
Julie Gadsby
PERMITTEE
Julie Gadsby
Assistant District Engineer

11/9/2017
DATE

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

David J Castanon
Chief, Regulatory Division

November, 9, 2017
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



Douglas A. Ducey
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Misael Cabrera
Director

February 22, 2017

Reading File: SWGP17-0060

Julie Gadsby
Arizona Department of Transportation
2140 W. Hilton Avenue
Phoenix, AZ 85009

Re: CWA 401 Certification for SR202L (South Mountain Freeway) I-10 (Maricopa Freeway) to I-10 (Papago Freeway)

Dear Ms. Gadsby:

The Arizona Department of Environmental Quality received your application for CWA 401 Water Quality Certification on December 8, 2016. You submitted this document in accordance with Section 401(a) of the Clean Water Act (CWA) (33 U.S.C. §1251 et seq.) and the Arizona Revised Statutes Section 49-202.

Enclosed please find the issued CWA 401 Water Quality Certification for the SR202L (South Mountain Freeway) I-10 (Maricopa Freeway) to I-10 (Papago Freeway) to be conducted under the Army Corps of Engineers Individual Permit. Subject to the conditions in the Certification, the proposed activities are not expected to have a negative impact to the chemical, physical or biological integrity of the impacted waterbodies.

Failure to comply with the CWA Section 404 permit, ADEQ's CWA 401 Water Quality Certification and/or other applicable water quality permits or requirements may result in non-compliance with Arizona Surface Water Quality Standards (Arizona Administrative Code, Title 18, Chapter 1, Article 11) and may result in an enforcement action pursuant to Arizona Revised Statutes, Title 49, Chapter 2, Article 4. Thank you for your efforts to comply with Arizona's environmental requirements. Should you have any comments or questions regarding this matter, please do not hesitate to contact me.

Sincerely,

Laurie (Rosi) Sherrill
Surface Water Section

electronic copies: U.S. Army Corps of Engineers, Regulatory Branch – Attn.: Jesse Rice
USEPA, Wetlands Regulatory Office
ADOT: Attn: Julia Manfredi

Main Office

1110 W. Washington Street • Phoenix, AZ 85007
(602) 771-2300

Southern Regional Office

400 W. Congress Street • Suite 433 • Tucson, AZ 85701
(520) 628-6733

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CERTIFICATION

STATE OF ARIZONA
Clean Water Act Section 401 Water Quality Certification
U.S. Army Corps of Engineers File No.: SPL-2002-00055-JMR
ADEQ LTF No.: 65180

1. AUTHORIZATION

This State Water Quality Certification (Certification) is issued by the Arizona Department of Environmental Quality (ADEQ) under the authority of Section 401(a) of the federal Clean Water Act (CWA) (33 U.S.C. §1251 et seq.) and Arizona Revised Statutes Section 49-202. The conditions listed in Section 5 are in addition to conditions in the pending U.S. Army Corps of Engineers (USACE) Application No. SPL-2002-00055-JMR. These Certification conditions are enforceable by the USACE and are subject to civil penalties if these Certification conditions are violated. Criminal penalties may also be levied if a person knowingly violates any provision of the CWA.

Subject to the conditions in Section 5, ADEQ certifies that based on the information in Section 3, the activities proposed for the SR202L (South Mountain Freeway) I-10 (Maricopa Freeway) to I-10 (Papago Freeway) will not violate applicable Surface Water Quality Standards (SWQS) in the Salt River and unnamed tributaries to the Gila River.

Pursuant to A.R.S. 49-202C, ADEQ's review authority extends only to activities occurring within the ordinary high water mark of WUS. Not all of the project elements involve discharges of dredged or fill material to WUS requiring Section 401 certification.

APPLICANT INFORMATION

Project Name: SR202L (South Mountain Freeway) I-10 (Maricopa Freeway) to I-10 (Papago Freeway)

Latitude: 33° 19' 8.57" Longitude: -112° 09' 41.4"

Applicant: Arizona Department of Transportation
Julie Gadsby, Asst. District Engineer
2140 W. Hilton Avenue
Phoenix, Arizona 85009

AUTHORIZING SIGNATURE

 _____ Date 2/22/17

Krista Osterberg
Water Quality Division
Arizona Department of Environmental Quality

Date
Reading file: SWGP17-0060

2. DESCRIPTION OF ACTIVITIES TO BE CERTIFIED

ADOT, in cooperation with FHWA and Connect 202 Partners, will construct the South Mountain Freeway which will complete the SR 202L from I-10 (Maricopa Freeway) to I-10 (Papago Freeway). The proposed freeway would extend a distance of approximately 22 miles in the southwestern quadrant of the Phoenix metropolitan area, beginning at its eastern terminus with the existing traffic interchange between I-10 (Maricopa Freeway) and SR 202L (Santan Freeway) and extending westward on the Pecos Road alignment for approximately 8 miles. The proposed freeway alignment would then head northwest for approximately 5 miles, turn north near the Elliot Road and 59th Avenue intersection, continue for approximately 9 miles crossing the Salt River, and reach its western terminus with I-10 (Papago Freeway) near 59th Avenue.

The proposed freeway would consist of the following major features:

- Three, 12-foot wide general purpose lanes and one high-occupancy vehicle (HOV) lane in each direction. A shared-use path that parallels the freeway alignment to the south between 40th Street to 17th Avenue
- Thirteen diamond-type traffic interchanges (TI) at approximately 1-mile intervals at following cross streets: 40th Street, 24th Street, Desert Foothills Parkway, 17th Avenue, Estrella Drive, Elliot Road, Dobbins Road, Baseline Road, Southern Avenue, Broadway Road, Lower Buckeye Road, Buckeye Road, and Van Buren Street
- Only 5 overpasses (OPs) of which 4 will be multi-use OPs (MUOPs) will impact WUS. The fifth MUOP is positioned over a culturally sensitive site and does not cross or otherwise impact WUS.
- Replacing the existing service traffic interchange (TI) on I-10 (Papago Freeway) at 59th Avenue with a new system TI that includes direct high-occupancy vehicle (DHOV) ramp connection to and from the east on I-10
- Converting 59th Avenue to two-lane northbound and southbound frontage roads between Van Buren Street and the RID Canal (continued next page)
- A combination of noise walls and fencing will restrict pedestrian access to the entire freeway
- Utility relocation as necessary
- Staging and stockpiling outside waters of the US.; landscaping and seeding all areas disturbed by construction
- Small retention basins along the freeway corridor east of 51st Avenue to retain on-site flows and treat freeway runoff

Specific proposed activities impacting Waters of the United States include the following:

- Construct 29 Reinforced Concrete Box Culverts (RCBC), 12 corrugated metal pipes (CMP), 2 reinforced concrete pipes (RCP), and 6 overpasses (OP) to convey

drainages and maintain downstream flow connections across the new freeway and multi-use path. Depending on the specific site and the drainage conditions, concrete aprons, riprap protection, or energy dissipation structures will be constructed on structure inlets and outlets as appropriate. In addition, five of the overpasses will be multi-use overpasses (MUOP), which will be constructed in a manner that allows for flow conveyance but also accommodates wildlife, recreational users, and others to cross under the freeway between the 51st Avenue and the west end of the existing Pecos Road.

- Construct two, 16-span girder bridges, measuring approximately 85' wide and 2,660' long for eastbound and westbound over the Salt River. 6 concrete bridge piers measuring 60" in diameter would be placed in Waters of the United States. Construction of the bridge will take 18 months to complete.
- Construct a channel which captures off-site drainage, parallels the east side of the freeway west of 51st Avenue and conveys the drainage to detentions basins which outfall to the Salt River.

There are no wetlands, perennial waters or unique aquatic resources onsite. The project would involve the discharge of dredged and/or fill materials in waters of the US, totaling approximately 7.778 acres of permanent impacts and approximately 1.452 acres of temporary impacts. The majority of permanent impacts are attributed to the installation of drainage structures to convey waters of the US through the project limits and construction of the two bridges across the Salt River and its associated floodplain.

3. INFORMATION REVIEWED

During the development of this State Certification, ADEQ had access to and reviewed the following documents which are on file with ADEQ:

- A. U.S. Army Corps of Engineers (USACE), Los Angeles District Public Notice: SPL-2002-00055-JMR for SR202L (South Mountain Freeway) I-10 (Maricopa Freeway) to I-10 (Papago Freeway); comment period December 7, 2016 to January 7, 2017.
- B. CWA Section 401 Certification application package including project descriptions and maps, dated November 4, 2016 and received by ADEQ on December 8, 2016. Agent: Julia Manfredi, ADOT.
- C. CWA Section 404 Permit application, Agent: Julia Manfredi, ADOT.
- D. State of Arizona Surface Water Quality Standards (SWQS), Arizona Administrative Code (A.A.C.) Title 18, Chapter 11, Article 1:
Designated uses for the Salt River are: Agricultural – Irrigation (AgI), Agricultural - Livestock watering (AgL), Aquatic and Wildlife Effluent Dependent (A&Wedw), Partial Body Contact (PBC) and Fish Consumption (FC).

4. NOTIFICATION PROVISIONS

For any correspondence regarding this project, the ADEQ mailing address is:
Arizona Department of Environmental Quality
Rosi Sherrill
Surface Water Section / 401 Certifications / mailstop 5415A-1
1110 West Washington Street
Phoenix, Arizona 85007

For questions or general comments:

Email: ls7@azdeq.gov

Voice: (602) 771-4409

In any correspondence, reference:

SR202L (South Mountain Freeway) I-10 (Maricopa Freeway) to I-10 (Papago Freeway)

USACE File No.: SPL-2002-00055-JMR

ADEQ LTF No.: 65180

Reading file: SWGP17-0060

5. CONDITIONS FOR STATE 401 WATER QUALITY CERTIFICATION

For the purposes of this Certification the following definitions apply:

- Waters of the U.S. (WUS) as defined by the USACE and U.S. Environmental Protection Agency (EPA) under the Clean Water Act. This Certification applies only to activities within a WUS.
- Fill material means soil, sand, gravel and other natural materials that are similar in physical, chemical and biological composition to existing natural materials in the project area and which are free from pollutants in quantities and concentrations that can cause or contribute to an exceedance of applicable Surface Water Quality Standards (SWQS).

SPECIAL CONDITION

ADEQ's State 401 Water Quality Certification is based on the information shown in Section 3. If additional information becomes available that significantly changes the scope of the project or the impacts resulting from the project, you must resubmit your application and include the project changes / resulting impacts.

GENERAL CONDITIONS

1. ADEQ's State 401 Water Quality Certification of these activities proposed by the applicable CWA 404 Permit, does not affect or modify in any way the obligations or liability of any person for any damages, injury, or loss, resulting from these activities. This Certification is not intended to waive any other federal, state or local laws.

2. If monitoring, by ADEQ or others, indicates that a discharge from the certified activities results in a violation of Arizona's surface water quality standards (numeric or narrative), ADEQ or a third party may notify the USACE, requesting an investigation of the situation.
3. Issuance of a State 401 Water Quality Certification does not imply or suggest that requirements for other permits including, but not limited to Aquifer Protection Permits, Arizona Pollutant Discharge Elimination System Permits, Construction General Permits, DeMinimis Permits and Reclaimed Water permits are met or superseded. Applicant should contact ADEQ to ensure all applicable permits are obtained.
4. This Certification applies only to the activities described in Section 2 and is based upon the information listed in Section 3. This Certification is valid for the same period as the CWA 404 permit issued by the USACE. The applicant must apply for renewal, modification or extension of this Certification if the CWA 404 permit is renewed, modified, extended or otherwise changed. This Certification may be reopened by ADEQ at any time due to a change (e.g., lowered or more stringent) in a SWQS for a parameter likely to result from project activities. ADEQ may add or modify conditions in this Certification to ensure that the applicant's activities comply with the most recent SWQS.
5. The applicant shall provide a copy of this Certification to all appropriate contractors and subcontractors. The applicant shall also post and maintain a legible copy of this Certification in a weather-resistant location at the construction site where it may be seen by the workers.
6. The applicant shall notify ADEQ within 30 days of submitting the notice of completion of work required by the Section 404 permit for this activity.
7. The applicant is responsible to ensure that certified activities do not cause or contribute to any exceedances of SWQS in any WUS.
8. This Certification does not authorize the discharge of mining, construction or demolition wastes, wastewater, process residues or other potential pollutants to any WUS except as specified in the application, supporting documents, and/or in the CWA 404 permit.

SPECIFIC CONDITIONS

Except as specified in the application and supporting documents, including those documents referenced in Section 3, and allowed in the Section 404 permit, the following specific conditions apply:

Erosion Prevention and Hydraulic Alterations

9. Clearing, grubbing, scraping or otherwise exposing erodible surfaces in WUS shall be minimized to the extent necessary for each construction phase or location.

10. Dredged or fill material shall be placed so that it is stable, meaning after placement, the material does not show signs of excessive erosion. Indicators of excess erosion include: gullyng, head cutting, caving, block slippage, material sloughing, etc. Material shall not discharge (e.g., via leaching, runoff) pollutants into streams or wetlands.
11. Erosion control, sediment control and/or bank protection measures in WUS shall be installed before construction and pre-operation activities, and shall be maintained during construction and post-construction periods to minimize channel or bank erosion, soil loss and sedimentation. Control measures shall not be constructed of uncemented or unconfined imported soil, or other materials easily transported by flow.
12. The effectiveness of all pollution control measures for activities within WUS, including erosion and sediment control measures, shall be inspected, maintained and modified (as necessary) to reduce pollutants and ensure compliance with SWQS in any WUS.
13. Direct runoff of water used for irrigation or dust control for activities within WUS shall be limited to the extent practicable and shall not cause downstream erosion or flooding nor cause an exceedance of applicable SWQS in any WUS.
14. Except where the activities certified herein are intended to permanently alter any WUS, all disturbed areas within WUS shall be restored and (re)vegetated as indicated in the application documents if approved by the USACE (including offsite/in lieu mitigation). Denuded areas within WUS not intended to be permanently altered shall be revegetated as soon as physically practicable. Vegetation shall be maintained on unarmored banks and slopes to stabilize soil and prevent erosion. Fill used to support vegetation rooting or growth shall be protected from erosion.
15. If retention/detention basins are located within WUS, applicant will complete the grading necessary to direct runoff towards the basins as soon as practicable.
16. Activities herein certified shall, as much as practicable, be performed during periods of low flow (baseflow or less) in any perennial WUS, or no flow in any ephemeral or intermittent WUS. No work shall be done, nor shall any equipment or vehicles enter any WUS while flow is present, unless all conditions in this Certification are met.
17. When flow is present in any WUS within the project area, the applicant and any contractor will not alter the flow by any means except to prevent erosion or pollution of any WUS.
18. Any disturbance within the ordinary high water mark of a WUS that is not intended to be permanently altered shall be stabilized to prevent erosion and sedimentation.
19. Applicant will take measures necessary to prevent approaches to any WUS crossing from causing erosion or contributing sediment to any WUS.
20. The applicant shall implement control measures necessary to maintain designated used(s) in WUS both upstream and downstream of the project area.

Sediment Loads

21. When flow in any WUS in the work area is sufficient to erode, carry or deposit material, activities certified herein shall cease until:
 - the flow decreases below the point where sediment movement ceases; or
 - control measures have been undertaken; e.g., equipment and materials easily transported by flow are protected with non-erodible barriers or moved outside the flow area.
22. Silt laden or turbid water resulting from activities certified herein shall managed in a manner to reduce sediment load prior to discharging so as not to exceed SWQS in any WUS.
23. Any washing or dewatering of fill material must occur outside of any WUS prior to placement and the rinsate from such washing shall be settled, filtered or otherwise treated to prevent migration of pollutants (including sediment) or from causing erosion to any WUS. Other than replacement of native fill or material used to support vegetation rooting or growth, fill placed in locations subject to scour must resist washout whether such resistance is derived via particle size limits, presence of a binder, vegetation, or other armoring.

Pollution Prevention

24. If activities certified herein are likely to cause or contribute to an exceedance of SWQS in any WUS operations shall cease until the problem is resolved or until control measures have been implemented.
25. Except as approved in the 404 permit, construction material and/or fill (other than native fill or that necessary to support re-vegetation) placed in any WUS, shall not include pollutants in concentrations that will that will cause or contribute to a violation of a SWQS in any WUS.

Acceptable construction materials that will or may contact water in any WUS are: untreated logs and lumber; natural stone (crushed or not), crushed clean concrete (recycled concrete); native fill; precast, sprayed or cast-in-place concrete (including soil cement and unmodified grouts); steel (including galvanized); plastic and aluminum. Other materials allowed for this project, only if placed in accordance with application and supporting documents, are mining residues including tires, waste rock, gangue and tailings. Use of other materials may be allowed, but require prior written approval from ADEQ.
26. The applicant will erect any barriers, covers, shields and other protective devices as necessary to prevent any construction materials, equipment or contaminants/pollutants from falling, being thrown or otherwise entering any WUS.
27. Area(s) must be designated, entirely outside of any WUS, for equipment staging and storage. In addition, the applicant must designate areas, located entirely outside of any WUS, for fuel, oil and other petroleum product storage and for solid waste containment. All precautions shall be taken to avoid the release of wastes, fuel or other pollutants to any WUS.

Any equipment maintenance, washing or fueling that cannot be done offsite will be performed in the designated area with the following exception: equipment too large or unwieldy to be readily moved; e.g., large cranes, may be fueled and serviced in the WUS (but outside of standing or flowing water) as long as material specifically manufactured and sold as spill containment is in place during fueling/servicing. All equipment shall be inspected for leaks, all leaks shall be repaired and all repaired equipment will be cleaned to remove any fuel or other fluid residue prior to use within (including crossing) any WUS.

A spill response kit will be maintained in this (these) area(s) to mitigate any spills. The kit will include material specifically manufactured and sold as spill adsorbent/absorbent and spill containment. The applicant will ensure that whenever there is activity on the site, that there are personnel on site trained in the proper response to spills and the use of spill response equipment.

28. Upon completion of the activities certified herein, areas within any WUS shall be promptly cleared of all forms, piling, construction residues, equipment, debris or other obstructions.
29. If fully, partially or occasionally submerged structures are constructed of cast-in-place concrete instead of pre-cast concrete, applicant will take steps; e.g., sheet piling or temporary dams, to prevent contact between water (instream and runoff) and the concrete until it cures and until any curing agents have evaporated or otherwise cease to be available; i.e., are no longer a pollutant threat.
30. Washout of concrete handling equipment must not take place within any WUS and any washout runoff shall be prevented from entering any WUS.
31. Any permanent WUS crossings other than fords, shall not be equipped with gutters, drains, scuppers or other conveyances that allow untreated runoff (due to events equal to or lesser in magnitude than the design event for the crossing structure) to directly enter a WUS if such runoff can be directed to a local stormwater drainage, containment and/or treatment system.

Temporary and Permanent Structures

32. Permanent and temporary pipes and culvert crossings shall be adequately sized to handle expected flow and properly set with end section, splash pads, headwalls or other structures that dissipate water energy to control erosion.
33. Debris will be cleared as needed from culverts, ditches, dips and other drainage structures in any WUS to prevent clogging or conditions that may lead to washout.
34. All temporary structures constructed of imported materials and all permanent structures, including but not limited to, access roadways; culvert crossings; staging areas; material stockpiles; berms, dikes and pads, shall be constructed so as to accommodate overtopping and resist washout by streamflow.
35. Any temporary crossing, other than fords on native material, shall be constructed in such a manner so as to provide armoring of the stream channel. Materials used to provide this armoring shall not include anything easily transportable by flow. Examples of acceptable materials include steel plates, untreated wooden planks, pre-

- cast concrete planks or blocks; examples of unacceptable materials include clay, silt, sand and gravel finer than cobble (roughly fist-sized). The armoring must, via mass, anchoring systems or a combination of the two, resist washout.
36. No vehicles or equipment shall ford any unarmored WUS crossing when flow is present.
 37. Any ford, other than fords on native material, shall be designed, and maintained as necessary, to carry the proposed traffic without causing erosion or sedimentation of the stream channel while dry or during a flow event equal to or less than the design event for the crossing.
 38. No unarmored ford shall be subject to heavy-truck or equipment traffic after a flow event until the streambed is dry enough to support the traffic without disturbing streambed material to a greater extent than in dry conditions. Light vehicles (less than 14,000 pounds gross weight) are not restricted by this condition.
 39. Temporary structures constructed of imported materials are to be removed no later than upon completion of the permitted activity.
 40. Temporary structures constructed of native materials, if they provide an obstacle to flow, or can contribute to or cause erosion, or cause changes in sediment load, are to be removed no later than upon completion of the permitted activity.

Rice, Jesse M CIV USARMY CESPL (US)

From: Julia Manfredi <JManfredi@azdot.gov>
Sent: Wednesday, November 1, 2017 8:44 AM
To: Rice, Jesse M CIV USARMY CESPL (US)
Cc: Ben.Spargo@hdrinc.com; Mike Myers (MMyers@aztec.us); Mike Shirley (MShirley@aztec.us); Watzek, Kurt
Subject: [EXTERNAL] FW: 404 Permit Potential Escalation with ADEQ SPL-2002-00055

Jesse – per our phone conversation this morning, see the response from ADEQ Director below regarding acreage updates. No 401 recertification or public notice is needed. For Corps file number SPL-2002-00055 – South Mountain Freeway, ADOT Tracs H8827

Julia Manfredi, CPESC, CPSWQ
Water Resources Manager
602-291-3147

From: Robert Samour
Sent: Tuesday, October 31, 2017 6:25 PM
To: Carmelo Acevedo; Julia Manfredi; Ben Spargo; Paul O'Brien
Cc: Julie Gadsby; Steve Mishler; Amy Ritz; Alex Arriaga
Subject: Fwd: 404 Permit Potential Escalation with ADEQ

Sent from my iPhone

Begin forwarded message:

From: John Halikowski <JHalikowski@azdot.gov>
Date: October 31, 2017 at 5:56:41 PM MST
To: Robert Samour <RSamour@azdot.gov>, Dallas Hammit <DHammit@azdot.gov>
Subject: Fwd: 404 Permit Potential Escalation with ADEQ

Sent from my iPhone

Begin forwarded message:

From: Misael Cabrera <Cabrera.Misael@azdeq.gov>
Date: October 31, 2017 at 5:52:24 PM MST
To: "John Halikowski (jhalikowski@azdot.gov)" <jhalikowski@azdot.gov>
Subject: FW: 404 Permit Potential Escalation with ADEQ

Director Halikowski,

Based on the information provided by ADOT, ADEQ has determined the proposed change in acreage to the 202 project, which has already been certified and public noticed pursuant to CWA § 401, does not require a re-certification or additional public notice. ADEQ makes this determination considering the following:

- The proposed change to the impacted area is minimal, and necessary only to facilitate equipment access;
- No new waters, crossings, or activities are identified or requested;
- The proposed change aligns with areas previously reviewed and included in ADEQ's February, 2017 certification;
- The proposed increased area of disturbance will not result in additional water quality impacts; and therefore,
- No additional conditions to the certification are needed to protect water quality.

Accordingly, ADEQ has determined that regardless of the minimal proposed change in acreage, the CWA § 401 certification for the Loop 202 project that ADEQ issued in February 2017 adequately certifies that the SR202 project will not violate applicable surface water quality standards.

Sincerely,

Misael Cabrera, PE
Director
Arizona Department of Environmental Quality
1110 W. Washington Street
Phoenix, Arizona 85007

O: 602.771.2203

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PROGRAMMATIC AGREEMENT

AMONG

**FEDERAL HIGHWAY ADMINISTRATION
ARIZONA STATE HISTORIC PRESERVATION OFFICE
ARIZONA DEPARTMENT OF TRANSPORTATION**

**LOOP 202 – SOUTH MOUNTAIN FREEWAY PROJECT
PROJECT NO. NH-202-D(ADY)
TRACS NO. 202L MA 054 H5764 01L
MARICOPA COUNTY, ARIZONA**

WHEREAS, the Federal Highway Administration (FHWA) proposes to construct a loop highway connecting Interstate 10 (I-10) west of Phoenix with I-10 south of Phoenix (the Loop 202 – South Mountain Freeway Project), a federally-funded project in Maricopa County, Arizona (hereafter referred to as “the Project”); and

WHEREAS, FHWA has determined, pursuant to 36 Code of Federal Regulations (CFR) 800.5(a)(2)(i), that the proposed Project may have an adverse effect upon historic properties, which are defined as “any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in the National Register of Historic Places (NRHP), including artifacts, records, and material remains related to such a property or resource” National Historic Preservation Act [NHPA] 54 United States Code [U.S.C.] § 300101 et seq.; and

WHEREAS, all the historic properties that may be affected by this Project have not yet been identified; and

WHEREAS, it has been determined through consultation the proposed project may have an adverse effect upon the South Mountains Traditional Cultural Property (TCP). A TCP is defined as a place that is “eligible for inclusion in the NRHP because of its association with cultural practices or beliefs of a living community that (a) are rooted in that community’s history, and (b) are important in maintaining the continuing cultural identity of the community” (National Park Service National Register Bulletin: Guidelines for Evaluating and Documenting Traditional Properties) (National Register Bulletin 38: *Guidelines for Evaluating and Documenting Traditional Cultural Properties*); and

WHEREAS, all the TCPs that may be affected by this Project have not yet been identified; and

WHEREAS, FHWA will assume lead responsibilities for compliance under Section 106 of the NHPA of 1966, as amended, and will consult with the State Historic Preservation Office (SHPO) pursuant to Sections 101 and 106 of the NHPA of 1966, as amended, 54 U.S.C. § 300101 et seq., and pursuant to 36 CFR 800.2 (c)(1)(i) and 800.6(b)(1); and

WHEREAS, the Arizona Department of Transportation (ADOT) is the project sponsor and must comply with the State Historic Preservation Act. ADOT's participation in this agreement as an invited signatory satisfies compliance with Arizona Revised Statutes (A.R.S.) §41-861 - 864; and

WHEREAS, SHPO is authorized to enter into this Agreement in order to fulfill its role of advising and assisting Federal agencies in carrying out their responsibilities pursuant to Sections 101 and 106 of the NHPA of 1966, as amended, 54 U.S.C. § 300101 et seq., and pursuant to 36 CFR 800.2 (c)(1)(i) and 800.6(b)(1)(i), and SHPO is a signatory to this Agreement; and

WHEREAS, SHPO is authorized to advise and assist federal and state agencies in carrying out their historic preservation responsibilities and cooperate with these agencies under A.R.S. § 41-511.04(D)(4); and

WHEREAS, FHWA has consulted with the Bureau of Land Management (BLM), the Bureau of Reclamation (Reclamation), the Bureau of Indian Affairs (BIA), the Western Area Power Administration (Western), the Arizona State Land Department (ASLD), the Salt River Project (SRP), the Maricopa Department of Transportation, the Flood Control District of Maricopa County, the Roosevelt Irrigation District, the City of Avondale (COA), the City of Chandler (COC), the City of Glendale (COG), the City of Phoenix (COP), and the City of Tolleson (COT), in accordance with Section 106 of the NHPA and its implementing regulations (36 CFR §800.6(b)(2)) to resolve the possible adverse effects of the Project on historic properties; and have been consulted [pursuant to 36 CFR § 800.2(c)(2)(ii)(A-F)], and these parties have been invited to be concurring parties in this Agreement; and

WHEREAS, the Advisory Council on Historic Preservation (Council) has participated in consultation pursuant to 36 CFR §800.6(a)(1), has been invited to be a signatory to the Agreement, and has declined to participate; and

WHEREAS, FHWA and the U.S. Army Corps of Engineers (Corps) have agreed that FHWA will assume lead responsibility for compliance under Section 106 of the NHPA for issuance of permits by the Corps for the development of land and waters of the United States under Section 404 of the Clean Water Act, and the Corps has participated in consultation and has been invited to concur in this agreement; and

WHEREAS, the Indian Tribes that may attach religious or cultural importance to affected properties have been consulted [pursuant to 36 CFR § 800.2 (c)(2)(ii)(A-F)], and the following tribes have been invited to be concurring parties in the Agreement: the Ak-Chin Indian Community, the Chemehuevi Tribe, the Cocopah Tribe, the Colorado River Indian Tribe, the Fort McDowell Yavapai Nation, the Fort Mojave Tribe, the Fort Yuma-Quechan Tribe, the Gila River Indian Community, the Hopi Tribe, the Havasupai Tribe, the Hualapai Tribe, the Kaibab-Paiute Tribe, the Navajo Nation, the Pasqua Yaqui Tribe, the Pueblo of Zuni, the Salt River Pima-Maricopa Indian Community, the San Carlos Apache Tribe, the San Juan Southern Paiute,

the Tohono O’Odham Nation, the Tonto Apache Tribe, the White Mountain Apache Tribe, the Yavapai Prescott Indian Tribe, the Yavapai-Apache Nation; and

WHEREAS, the Yavapai Prescott Indian Tribe has declined to participate in consultation, deferring to the Tribes near the project area, the Hopi tribe declined participation in this agreement, deferring to the Gila River Indian Community, and the San Carlos Apache Tribe has declined to participate in consultation, deferring to the Ak-Chin Indian Community, the Gila River Indian Community, the Salt River Pima-Maricopa Indian Community, the Tohono O’Odham Nation, the Hopi Tribe, and the Pueblo of Zuni; and

WHEREAS, by their signature all parties agree that the regulations specified in the ADOT document, “ADOT Standard Specifications for Road and Bridge Construction” (Section 104.12, 2008; see Appendix A) will account for the cultural resources in potential material sources used in Project construction; and

WHEREAS, an agreement regarding the treatment and disposition of Human Remains, Associated Funerary Objects, and Objects of Cultural Patrimony will be developed by the Arizona State Museum (ASM) in consultation with the Tribes for State and private land pursuant to A.R.S. §41-844 and 41-865; and

WHEREAS, Human Remains and Associated /Unassociated Funerary Objects, Sacred Objects or Objects of Cultural Patrimony recovered on Federal or Tribal lands will be treated in accordance with the Native American Graves and Protection Repatriation Act (NAGPRA), and with the American Indian Religious Freedom Act (AIRFA); and

WHEREAS, any activity described in A.R.S. § 41-841, implementing rules, and ASM policy on State land necessitated by the Project must be permitted by ASM pursuant to A.R.S. § 41-842 and ASM has been invited to be a concurring party to this Agreement; and

WHEREAS, any data recovery on Federal lands necessitated by the Project must be permitted under the Archaeological Resource Protection Act (ARPA) (43CFR 7) in accordance with the Federal land-holding agency; and

WHEREAS, FHWA is using the provisions of this Agreement to address applicable requirements of the Antiquities Act of 1906 (16 USC 431–433), ARPA (16 U.S.C. 470aa), AIRFA (42 U.S.C. 1996), and NAGPRA (25 U.S.C. 3001–13); and

WHEREAS, in the event that any data recovery for the Project should take place on Tribal lands, all applicable permits would be obtained in consultation with the BIA; and

NOW, THEREFORE, all parties agree that upon FHWA’s decision to proceed with the Project, FHWA shall ensure that the following stipulations are implemented in order to take into account the effects of the Project on historic properties, and that these stipulations shall govern the Project and all of its parts until this Agreement expires or is terminated.

Stipulations

FHWA will ensure that the following measures are carried out.

1. Consultation as Design Progresses

ADOT, on behalf of FHWA, will provide plans and related documents pertaining to the design of this undertaking, and cultural resource survey reports to the parties to this agreement for a 30 calendar day review and comment period.

2. Additional Inventory Survey

ADOT, on behalf of FHWA, shall ensure that new inventory surveys are conducted for any modifications to the area of potential effects (APE). Such surveys would include, but not be limited to additional rights-of-way and temporary construction easements, any added staging or use areas, design revisions, or evaluations of the built environment. FHWA shall make determinations of eligibility for any unevaluated cultural resources in accordance with 36 CFR § 800.4. Should any party to this Agreement disagree with FHWA regarding eligibility, the SHPO shall be consulted and resolution sought within 20 calendar days. If the FHWA and SHPO disagree on eligibility, FHWA shall request a formal determination from the Keeper of the National Register, pursuant to 36 CFR §800.4(c)(2).

3. Identification, Evaluation, Documentation, and Minimization of Effects to Traditional Cultural Places

- a) FHWA shall ensure that consultation with the Native American Tribes that attach religious or cultural importance to affected properties will continue throughout the life of the project in order to identify, evaluate, document, and mitigate possible impacts to TCPs according to National Park Service National Register Bulletin 38: *Guidelines for Evaluating and Documenting Traditional Cultural Properties*.
- b) FHWA and ADOT will fund a TCP evaluation of the South Mountains TCP to be prepared and implemented by the Gila River Indian Community. The TCP evaluation will include a consultation plan for effectively working with and integrating the viewpoints of participating Tribes, SHPO, the Tribal Historic Preservation Office (THPO), Community elders, and other persons or organizations of interest.
- c) FHWA and ADOT will fund the development and implementation of a TCP Enhancement Plan to be prepared by the Gila River Indian Community. The TCP enhancement measures would be part of project planning, not environmental review, and would serve to expand cultural awareness and eliminate the potential for adverse effect and detriment to the spiritual welfare of the Gila River Indian Community, other affiliated Tribes, and their individual members.

- i) The TCP Enhancement Plan would be developed and implemented upon approval of the Record of Decision.
- ii) The TCP Enhancement Plan would outline:
 - 1) Educational opportunities that enhance cultural knowledge and awareness
 - 2) Traditional religious activities that would take place prior to implementation of the proposed undertaking
 - 3) On-going Tribal consultation
 - 4) Cultural awareness and sensitivity training developed by the Gila River Indian Community for federal and state representatives as well as consultants working on or in the vicinity of culturally sensitive areas.
- iii) Upon acceptance of the TCP Enhancement Plan all relevant parties would enter into appropriate agreements or understandings with regard to funding and implementation of the plan.

4. Development of a Historic Properties Treatment Plan

ADOT will ensure that a Historic Properties Treatment Plan (HPTP) is developed. The HPTP will be consistent with the Secretary of the Interior's Standards and Guidelines for Archaeological Documentation (48 FR 44734-37) and with the rules implementing the Arizona Antiquities Act (A.R.S. 41-841, et seq.) for project portions located on State land. The HPTP will specify:

- a) The properties or portions of properties where data recovery is to be carried out. The HPTP will also specify any property or portion of property that would be destroyed or altered without treatment along with the rationale for not treating the property or portion of property;
- b) The results of previous research relevant to the Project,
- c) An historic context, or contexts to guide the focus of the research,
- d) The research questions to be addressed through data recovery, with an explanation of their relevance and importance within an appropriate historic context;
- e) The field and laboratory analysis methods to be used, with an explanation of their relevance to the research questions;
- f) The methods to be used in analysis, data management, and dissemination of data to the professional community and the public;
- g) The proposed disposition and curation of recovered materials and records in accordance with 36 CFR 79 and with Federal land manager direction and policy for materials recovered on federal lands;

- h) A Monitoring and Discovery Plan outlining the procedures for monitoring, evaluating and treating discoveries of unexpected or newly identified properties during construction of the Project, including consultation with other parties;
- i) A protocol for the treatment of Human Remains, in the event that such remains are discovered, describing methods and procedures for the recovery, analysis, treatment, and disposition of Human Remains, Associated Funerary Objects, and Objects of Cultural Patrimony. This protocol will reflect concerns and/or conditions identified as a result of consultations among parties to this Agreement and will be consistent with the ASM Burial agreement for State Lands and with NAGPRA for federal or Tribal lands;
- j) A proposed schedule for Project tasks, including a schedule for the submission of draft and final archaeological reports to the consulting parties to this Agreement;
- k) The HPTP will include a public involvement plan that includes benefits to the public.

5. Review and Comment on the HPTP

- a) FHWA will distribute the draft HPTP to the parties to this Agreement for review. All parties to this Agreement will have 30 calendar days from receipt to review the report and provide comments to ADOT and FHWA. All comments shall be in writing. Lack of response within this review period will be taken as concurrence with the adequacy of the HPTP.
- b) If revisions to the HPTP are made, FHWA will distribute the revised HPTP to all parties to this Agreement, who will have 14 calendar days from receipt to review the revisions and provide comments to ADOT and FHWA. Lack of response within this review period will be taken as concurrence with the adequacy of the revised HPTP.
- c) Once the HPTP is determined adequate by all signatories, FHWA shall issue authorization to proceed with the implementation of the HPTP, subject to obtaining all necessary permits.
- d) The final HPTP will be provided to all consulting parties.

6. Review and Comment on Preliminary Report of Findings

- a) Ten calendar days prior to completion of Phase I and Phase II fieldwork, the institution, firm, or consultant responsible for the work will prepare and submit a brief Preliminary Report of Findings to ADOT. This report shall contain at a minimum:
 - i. A discussion of the methods and treatments applied to each property, with an assessment of the degree to which these methods and treatments followed the

- direction provided by the HPTP along with a justification of all deviations, if any, from the approved HPTP;
- ii. Topographic site plans for the properties depicting all features and treatment areas;
 - iii. General description of recovered artifacts and other data classes, including features excavated or sampled;
 - iv. Discussion of further analyses to be conducted for the final HPTP Report, including any proposed changes in the methods or levels of effort from those proposed in the HPTP.
- b) FHWA will distribute the Preliminary Report of Findings to the parties to this Agreement with notification of an in-field meeting to be held upon completion of fieldwork. The in-field meeting will apprise the parties to this Agreement of the methods employed and the preliminary results of the field effort.
- i. After Phase I fieldwork, the decision if Phase II data recovery is required will be made based on the results of the in-field meeting and comments on the Preliminary Report of Findings for Phase I fieldwork. If the parties to the Agreement are unable to attend the in-field meeting, written (electronic mail is acceptable) or oral comments on the Preliminary Report of Findings for Phase I fieldwork received within seven calendar days from receipt will be used in the decision making process. Lack of response within this review period will be taken as concurrence with the adequacy of the report. If necessary, Phase II data recovery will begin immediately upon approval by the parties to this Agreement of the results of Phase I fieldwork.
 - ii. After Phase II fieldwork, the decision if construction can proceed will be made based on the results of the in-field meeting and comments on the Preliminary Report of Findings for Phase II fieldwork. If the parties to the Agreement are unable to attend the in-field meeting, written (electronic mail is acceptable) or oral comments on the Preliminary Report of Findings for Phase II fieldwork received within seven calendar days from receipt will be used in the decision making process. Lack of response within this review period will be taken as concurrence with the adequacy of the report. Once the Preliminary Report of Findings for Phase II fieldwork has been approved by the parties to this Agreement and accepted as a final document, ADOT, on behalf of FHWA, will notify appropriate Project participants that construction may proceed.
- c) If revisions to the Preliminary Report of Findings are made, all parties to this Agreement have seven calendar days from receipt to review the revisions and provide written comments to ADOT and FHWA (electronic mail is acceptable). Lack of response within this review period will be taken as concurrence with the report.
- d) FHWA shall ensure that any written comments received are taken into account during the preparation of the final document.

- e) If any party to this Agreement objects to any aspect of the report, the FHWA shall resolve the objection according to the Dispute Resolution section herein.

7. Review and Comment on Data Recovery Report

- a) Upon completion of all data recovery, a report will be prepared incorporating all appropriate data analyses and interpretations. The schedule for completion of the report will be developed in accordance with Stipulation 4 (j) above, and in consultation with all parties to this Agreement.
- b) FHWA will distribute the draft Data Recovery Report to all parties to this Agreement for review. All parties to this Agreement will have 60 calendar days from receipt to review and provide written comments to ADOT and FHWA (electronic mail is acceptable). Lack of response within this review period will be taken as concurrence with the adequacy of the report.
- c) If revisions to the data recovery report are made, all parties to this Agreement have 20 calendar days from receipt to review the revisions and provide written comments to ADOT. Lack of response within this review period will be taken as concurrence with the report.
- d) FHWA shall ensure that any written comments received are taken into account during the preparation of the final document.
- e) If any party to this Agreement continues to object to any aspect of the report, FHWA shall resolve the objection according to the Dispute Resolution section herein.

8. Standards for Monitoring and Data Recovery

All cultural resource work carried out pursuant to this Agreement shall be carried out by or under the supervision of a person, or persons, meeting the Secretary of the Interior's Professional Qualifications Standards (48 FR 44738-44739) and under the terms of the permits issued for the archaeological investigations.

9. Changes in the APE

If the APE changes during the Undertaking, FHWA shall notify and consult with the parties to this Agreement to determine whether amendments to this Agreement are necessary. If an amendment is determined necessary, FHWA will initiate consultation with the parties to this Agreement pursuant to 36 CFR 800.4 through 800.6, and follow Stipulation 12 in this Agreement.

10. Treatment and Disposition of Human Remains and Funerary Objects

ADOT, on behalf of FHWA, shall ensure that the institution, firm, or consultant responsible for the work obtains a Burial Agreement from ASM and thereafter adheres to the terms of that Burial Agreement in the event Human Remains, Funerary Objects, Sacred Objects, and Objects of Cultural Patrimony are encountered during the investigation.

FHWA shall comply with NAGPRA regarding the treatment and disposition of human remains and funerary objects encountered on Federal or Tribal Lands.

11. Curation

All materials and records resulting from the data recovery program conducted within the Project area, except as noted below, shall be curated in accordance with standards 36 CFR 79, the Federal land managing agency direction and policy as appropriate, and guidelines generated by the ASM. Right of first refusal will be given to the Huhugam Heritage Center. If the Huhugam Heritage Center is unable to curate all materials and records, the repository for materials either will be the ASM or a facility that meets those standards and guidelines in Maricopa County.

All materials subject to repatriation under NAGPRA, A.R.S. § 41-844 and A.R.S. § 41-865 shall be maintained in accordance with the burial agreement until any specified analyses, as determined following consultation with the appropriate Indian tribes and individuals, are complete and the materials are returned.

12. Discoveries

If potential historic or prehistoric archaeological materials or properties are discovered after construction begins, the person in charge of the construction shall require construction to immediately cease within the area of the discovery, take steps to protect the discovery, and promptly report the discovery to the ADOT Historic Preservation Specialist, representing FHWA.

If human remains or funerary objects are discovered, ADOT shall require construction to immediately cease within the area of the discovery, take steps to protect the discovery, and notify and consult with appropriate Native American groups to determine treatment and disposition measures in accordance with the previously implemented burial agreement. ADOT shall inform the Director of the ASM (the Director) and the SHPO of the discovery, and the Federal land manager as appropriate.

If Human Remains are not involved, and the discovery is located on state land the ADOT Historic Preservation Specialist shall evaluate the discovery, and in consultation with FHWA, SHPO, and ASM determine if the HPTP previously approved in accordance with Stipulation 4 is appropriate to the nature of the discovery. If the discovery is located on federal land, the

Federal land manager shall be consulted to determine if the HPTP previously approved in accordance with Stipulation 4 is appropriate to the nature of the discovery. If appropriate, the HPTP shall be implemented by ADOT, on behalf of FHWA. If the HPTP is not appropriate to the discovery, FHWA shall ensure that an alternate plan for the resolution of adverse effects is developed pursuant to 36 CFR § 800.6 and circulated to the parties to this Agreement to review and comment as per the process outlined in Stipulation 5.

13. Dispute Resolution

Should any party to this Agreement object, within 30 days, to any action, plan or report provided for review, FHWA shall consult with the objecting party to resolve the objection. The objection must be identified specifically and the reasons for objection documented in writing. If the objection cannot be resolved, FHWA shall notify the SHPO of the objection and shall:

- a) Forward all documentation relevant to the dispute to the Council in accordance with 36 CFR 800.2(b)(2). Any comment provided by the Council, and all comments from the consulting parties to this Agreement, will be taken into account by FHWA in reaching a final decision regarding the dispute.
- b) If the Council does not provide any comments regarding the dispute within 30 days after receipt of adequate documentation, FHWA may render a decision regarding the dispute. In reaching its decision, FHWA will take into account all written comments regarding the dispute from the consulting parties to the Agreement.
- c) FHWA will notify all consulting parties of its decision in writing before implementing that portion of the undertaking subject to dispute under this stipulation. FHWA's decision will be a final agency decision.
- d) It is the responsibility of FHWA to carry out all other actions subject to the terms of this Agreement that are not the subject of the dispute.

14. Amendments

In accordance with 36 CFR 800.6(c)(7), if any signatory or invited signatory determines that the terms of this Agreement will not or cannot be carried out or that an amendment to its terms is needed, that party shall immediately notify FHWA and request an amendment. The proposed amendment shall be submitted in draft form with the request. The signatories and invited signatories to this Agreement will consult to review and consider such an amendment. The amendment will be effective on the date a copy is signed by all of the signatories and invited signatories. FHWA shall file any amendments with the Council and provide copies of the amendments to the concurring parties.

15. Termination

Any signatory may terminate the Agreement by providing 30 day written notification to the other signatories. During this 30-day period, the signatories may consult to seek agreement on amendments or other actions that would avoid termination pursuant to 36 CFR § 800.6 (b). If the parties cannot agree on actions to resolve disagreements, FHWA will comply with 36 CFR § 800.7(a).

16. Agreement Review

Any signatory or invited signatory to this Agreement may request a meeting of consulting parties to review the effectiveness and application of this Agreement.

17. This Agreement may be executed in counterparts each of which shall be deemed an original and all of which together shall constitute one and the same instrument.
18. In the event the FHWA or ADOT cannot carry out the terms of this agreement, the FHWA will comply with 36 CFR § 800.3 through 800.6.
19. This agreement shall be null and void if its terms are not carried out within ten (10) years from the date of its execution, unless the signatories agree in writing to an extension for carrying out its terms.

Execution of this Agreement by the signatories and invited signatories, and its subsequent filing with the Council is evidence that FHWA has afforded the Council an opportunity to comment on the Project and its effects on historic properties, and that FHWA has taken into account the effects of the Undertaking on historic properties.

SIGNATORIES

FEDERAL HIGHWAY ADMINISTRATION

By *Paul Yeh*
for
Title Division Administrator

Date 7-21-15

ARIZONA STATE HISTORIC PRESERVATION OFFICER

By *James W. Garrison*
Title State Historic Preservation Officer

Date 7/21/15

INVITED SIGNATORIES

ARIZONA DEPARTMENT OF TRANSPORTATION

By *April Elhi*
for
Title Environmental Planning Group Manager

Date 7-21-15

CONCURRING PARTIES

ARIZONA STATE LAND DEPARTMENT

By _____
Title _____

Date _____

BUREAU OF RECLAMATION

By _____
Title _____

Date _____

BUREAU OF LAND MANAGEMENT

By _____

Title _____

Date _____

U.S ARMY CORPS OF ENGINEERS

By *David J. Castanon*
Digitally signed by CASTANON.DAVID.J.1231966150
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
ou=USA, cn=CASTANON.DAVID.J.1231966150
Date: 2017.09.26 15:14:30 -07'00'

Title Chief, Regulatory Division

Date 9/26/2017

SALT RIVER PROJECT

By _____

Date _____

Title _____

MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION

By _____

Title _____

Date _____

FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

By _____

Title _____

Date _____

ROOSEVELT IRRIGATION DISTRICT

By *[Signature]*

Title SUPERINTENDENT

Date 8/26/15

CITY OF AVONDALE

By _____

Date _____

Title _____

CITY OF CHANDLER

By _____

Date _____

Title _____

CITY OF GLENDALE

By _____

Date _____

Title _____

CITY OF PHOENIX ARCHAEOLOGY SECTION

By _____

Date _____

Title _____

CITY OF PHOENIX HISTORIC PRESERVATION OFFICE

By Michelle Dadds

Date 8-5-15

Title Historic Preservation Office

CITY OF TOLLESON

By _____

Date _____

Title _____

AK-CHIN INDIAN COMMUNITY

By _____

Date _____

Title _____

CITY OF CHANDLER

By _____

Date _____

Title _____

CITY OF GLENDALE

By *J. M. Fudge*

Date *08.05.15*

Title *Planning Director*

CITY OF PHOENIX ARCHAEOLOGY SECTION

By _____

Date _____

Title _____

CITY OF PHOENIX HISTORIC PRESERVATION OFFICE

By _____

Date _____

Title _____

CITY OF TOLLESON

By _____

Date _____

Title _____

AK-CHIN INDIAN COMMUNITY

By _____

Date _____

Title _____

CITY OF CHANDLER

By Marsha Reed

Date 8/20/15

Title Acting City Manager

CITY OF GLENDALE

By _____

Date _____

Title _____

CITY OF PHOENIX ARCHAEOLOGY SECTION

By _____

Date _____

Title _____

CITY OF PHOENIX HISTORIC PRESERVATION OFFICE

By _____

Date _____

Title _____

CITY OF TOLLESON

By _____

Date _____

Title _____

AK-CHIN INDIAN COMMUNITY

By _____

Date _____

Title _____

CHEMEHUEVI TRIBE

By _____

Date _____

Title _____

COCOPAH TRIBE

By _____

Date _____

Title _____

COLORADO RIVER INDIAN TRIBE

By _____

Date _____

Title _____

FORT MCDOWELL YAVAPAI NATION

By _____

Date _____

Title _____

FORT MOJAVE TRIBE

By _____

Date _____

Title _____

FORT YUMA-QUECHAN TRIBE

By _____

Date _____

Title _____

GILA RIVER INDIAN COMMUNITY

By _____

Date _____

Title _____

HAVASUPAI TRIBE

By _____

Date _____

Title _____

HUALAPAI TRIBE

By _____

Date _____

Title _____

KAIBAB-PAIUTE TRIBE

By _____

Date _____

Title _____

NAVAJO NATION

By _____

Date _____

Title _____

PASCUA YAQUI TRIBE

By _____

Date _____

Title _____

PUEBLO OF ZUNI

By _____

Date _____

Title _____

SALT RIVER PIMA-MARICOPA INDIAN COMMUNITY

By _____

Date _____

Title _____

SAN JUAN SOUTHERN PAIUTE

By _____

Date _____

Title _____

TOHONO O'ODHAM NATION

By _____

Date _____

Title _____

TONTO APACHE TRIBE

By _____

Date _____

Title _____

WHITE MOUNTAIN APACHE TRIBE

By _____

Date _____

Title _____

YAVAPAI-APACHE NATION

By _____

Date _____

Title _____

ARIZONA STATE MUSEUM

By  _____
Patrick D. Lyons

Title Director _____

Date 26 August 15

WESTERN AREA POWER ADMINISTRATION

By _____

Title _____

Date _____

BUREAU OF INDIAN AFFAIRS

By _____

Title _____

Date _____

By _____

Date _____

Title _____

YAVAPAI-APACHE NATION

By _____

Date _____

Title _____

ARIZONA STATE MUSEUM

By _____

Title _____

Date _____

WESTERN AREA POWER ADMINISTRATION

By _____

Title _____

Date _____

BUREAU OF INDIAN AFFAIRS

By Catherine Wilson

Title Acting Regional Director

Date 9/4/15

By _____

Date _____

Title _____

YAVAPAI-APACHE NATION

CAMP VERDE,

By *[Signature]* _____

Date 8/9/15

Title DIRECTOR YAVAPAI CULTURAL PRES.

ARIZONA STATE MUSEUM

By _____

Title _____

Date _____

WESTERN AREA POWER ADMINISTRATION

By _____

Title _____

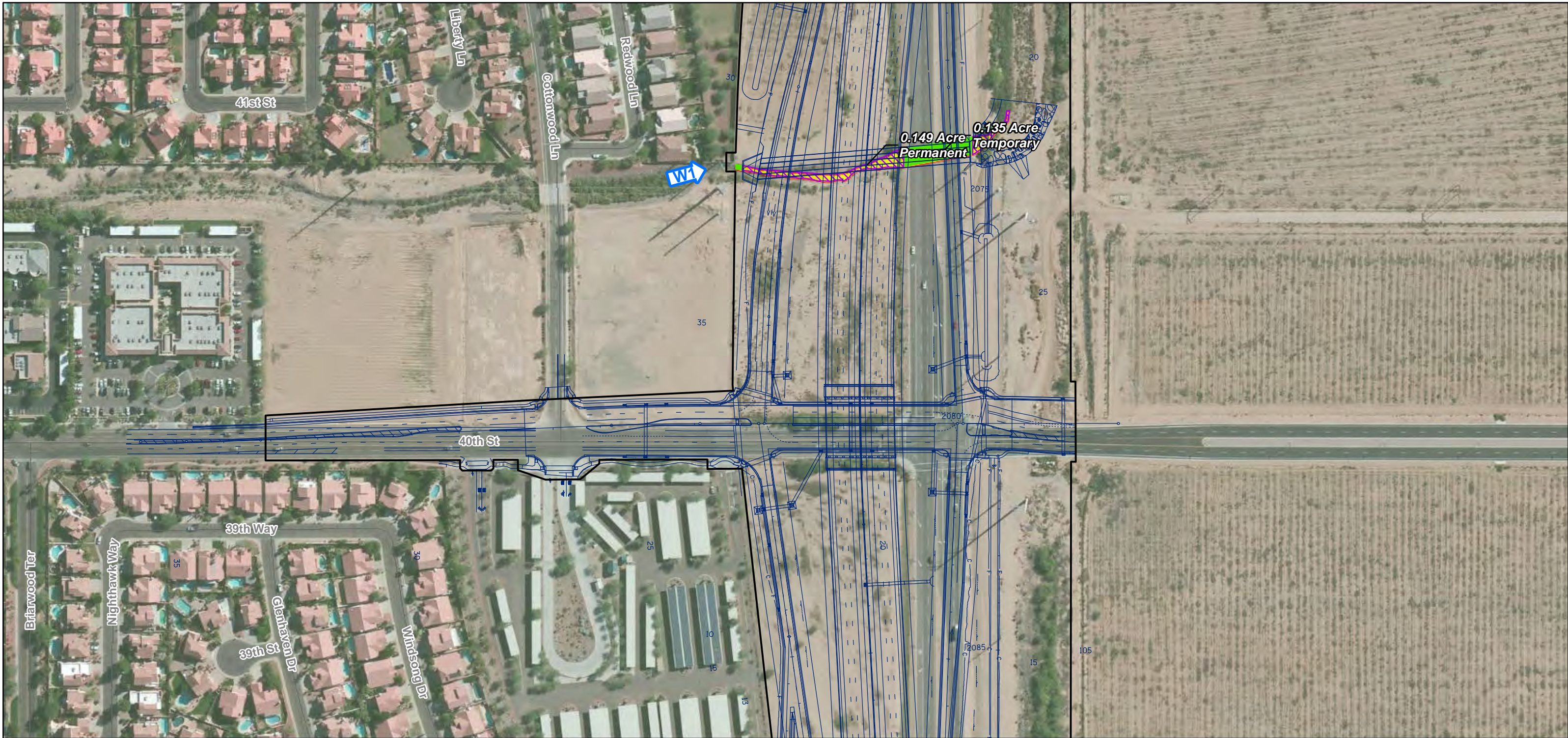
Date _____

BUREAU OF INDIAN AFFAIRS

By _____

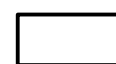


Title _____

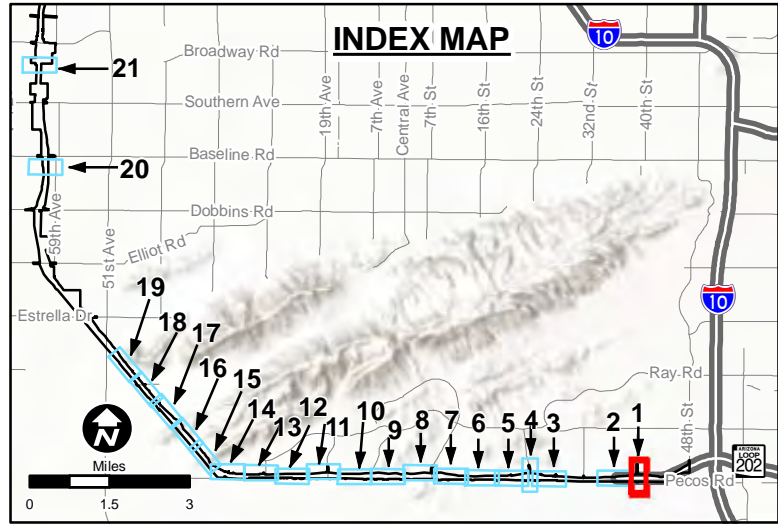
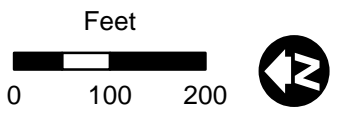
Date _____

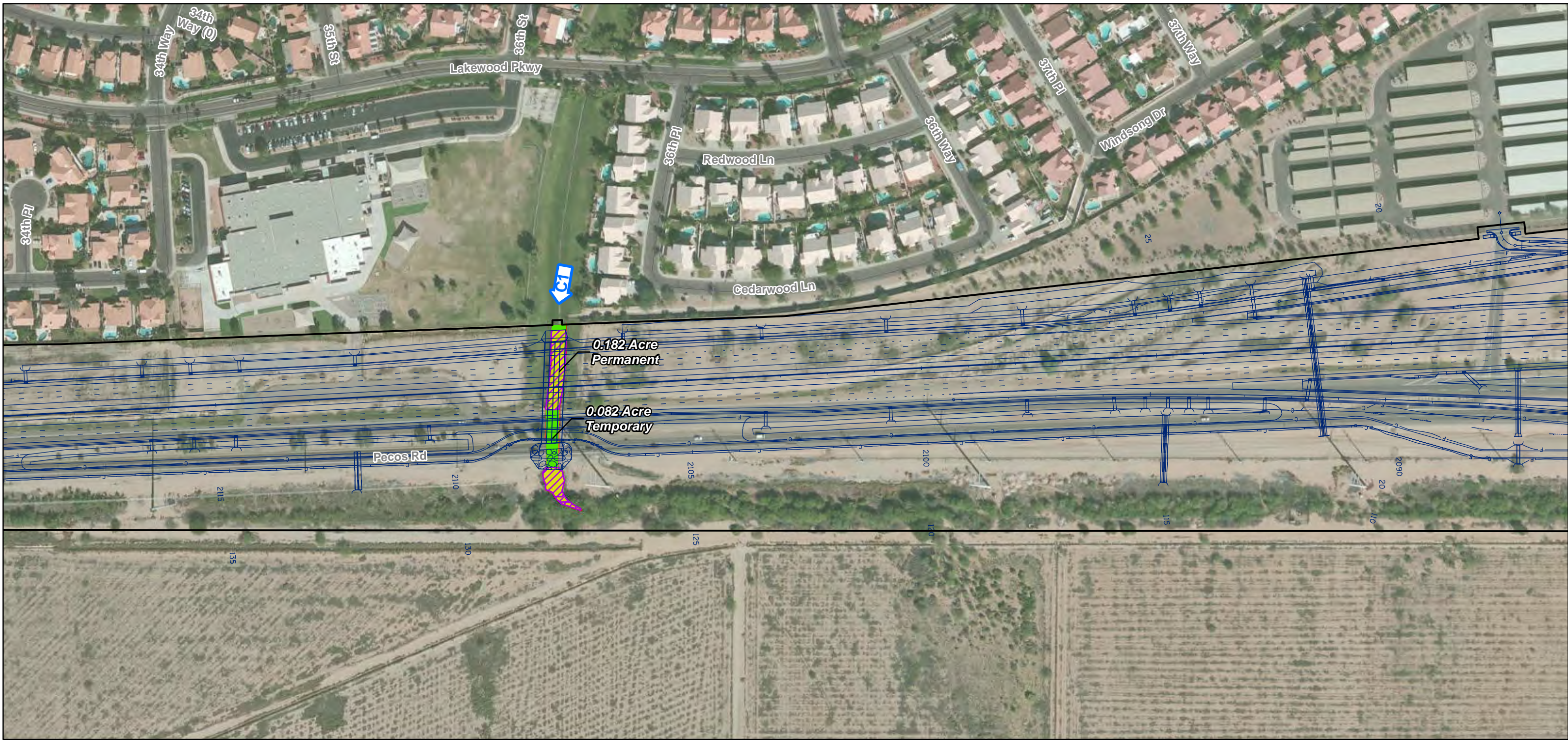


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

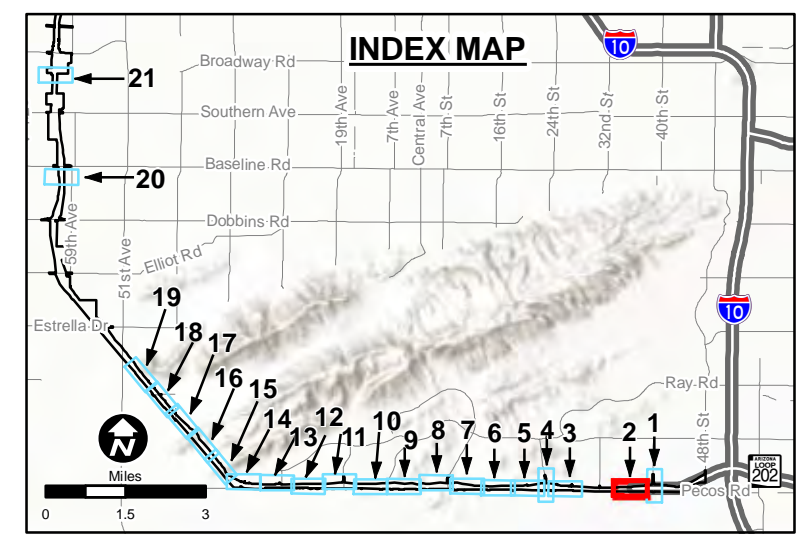
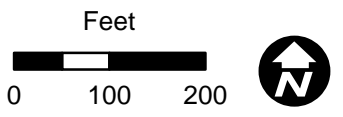




Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

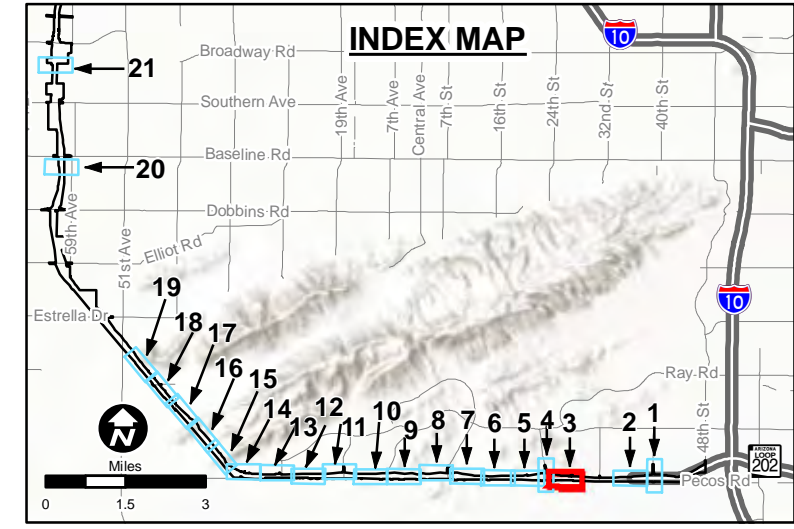
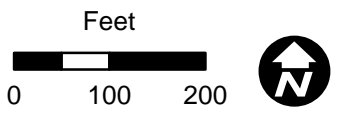


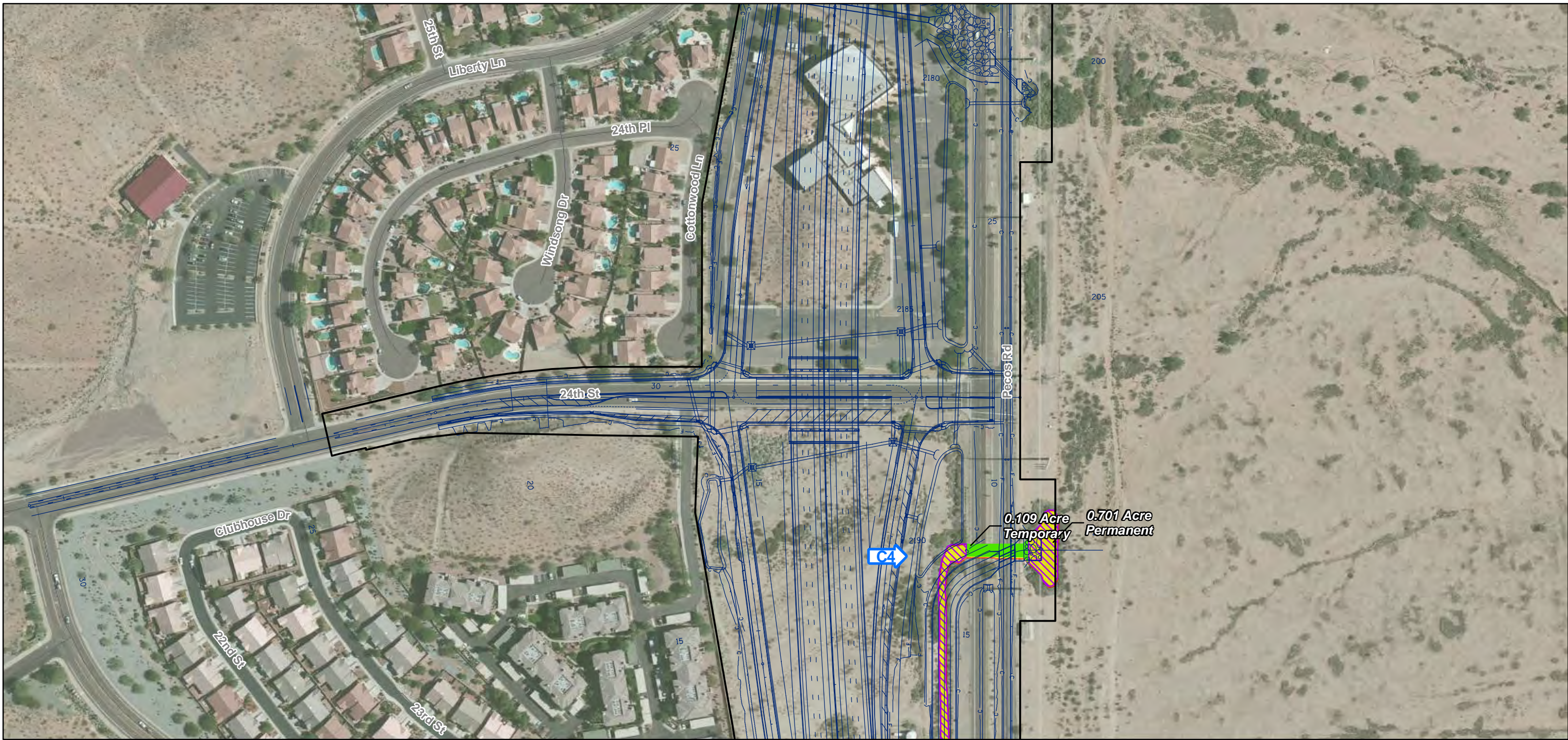


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway) I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

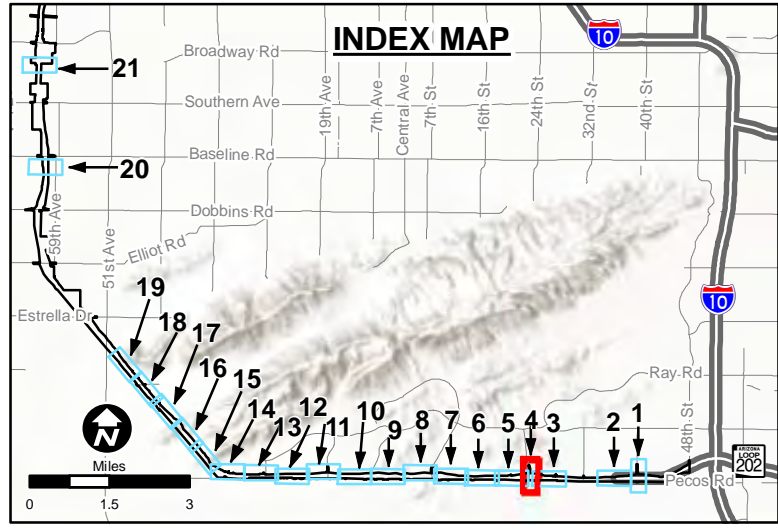
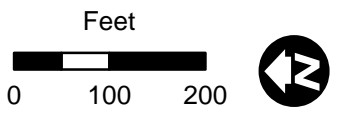


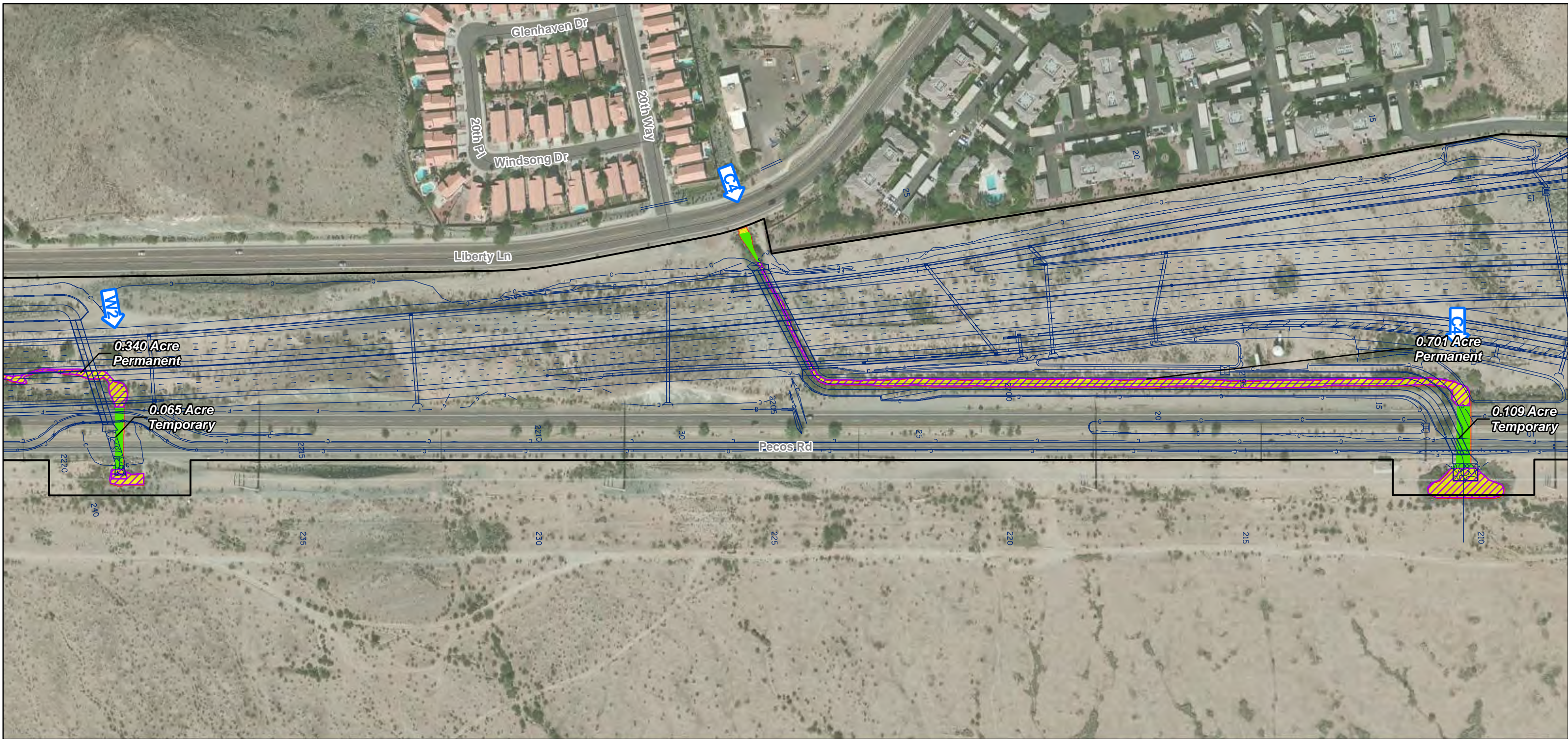


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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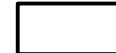




- Design Files (8/30/2017)
- Project Limits
- Waters of the US
- Permanent Impacts
- Temporary Impacts
- Watercourse Number
Arrow Indicates Flow Direction

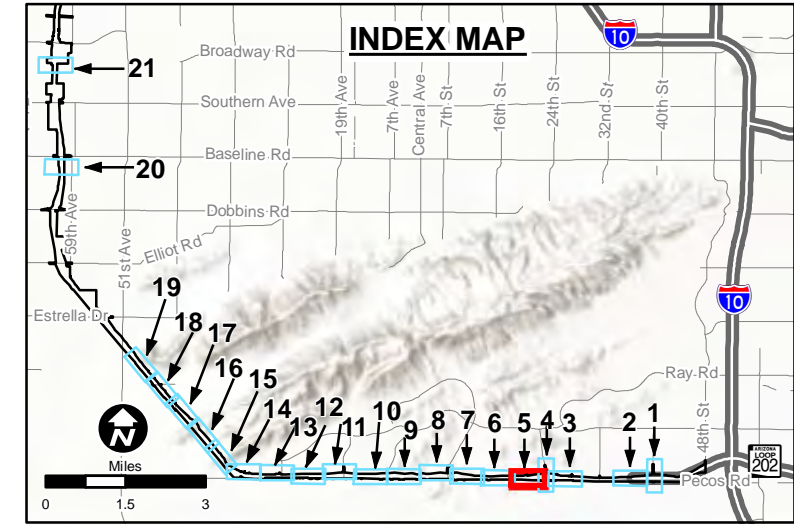
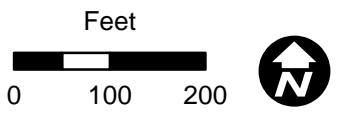


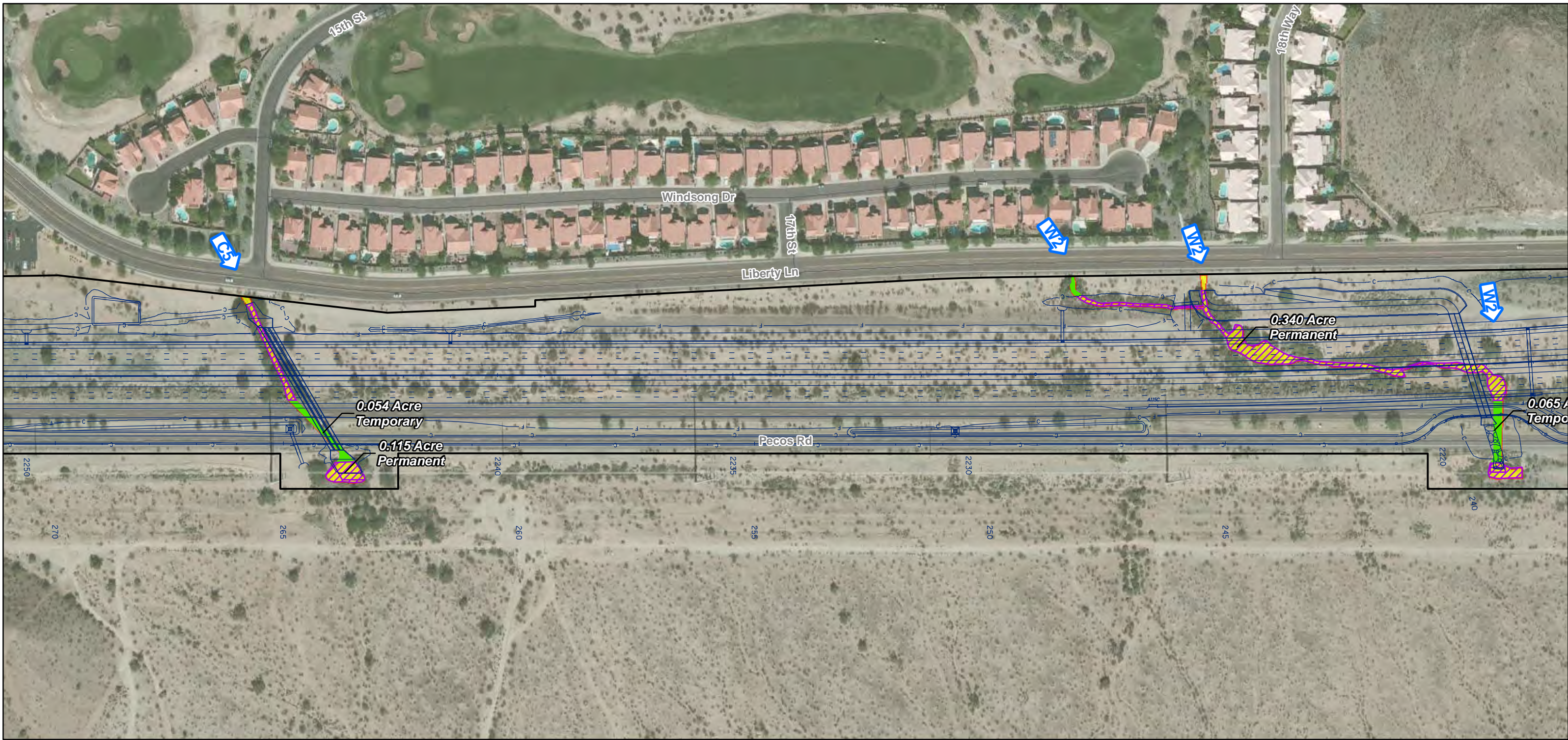


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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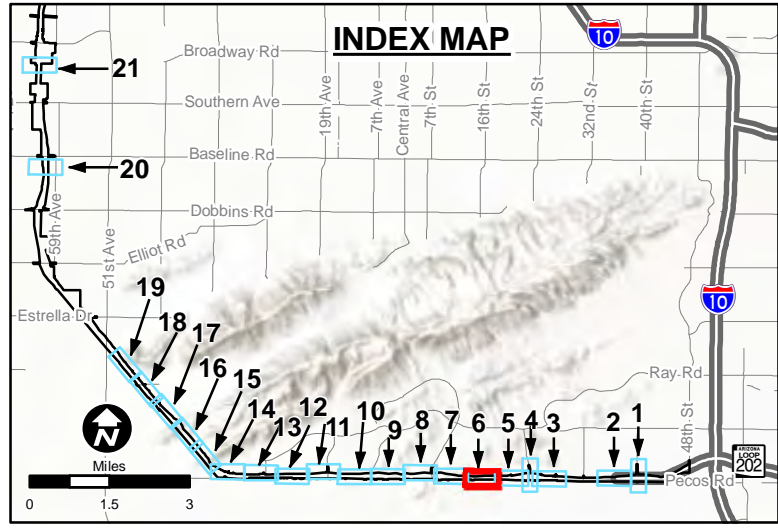
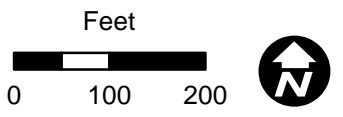
-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

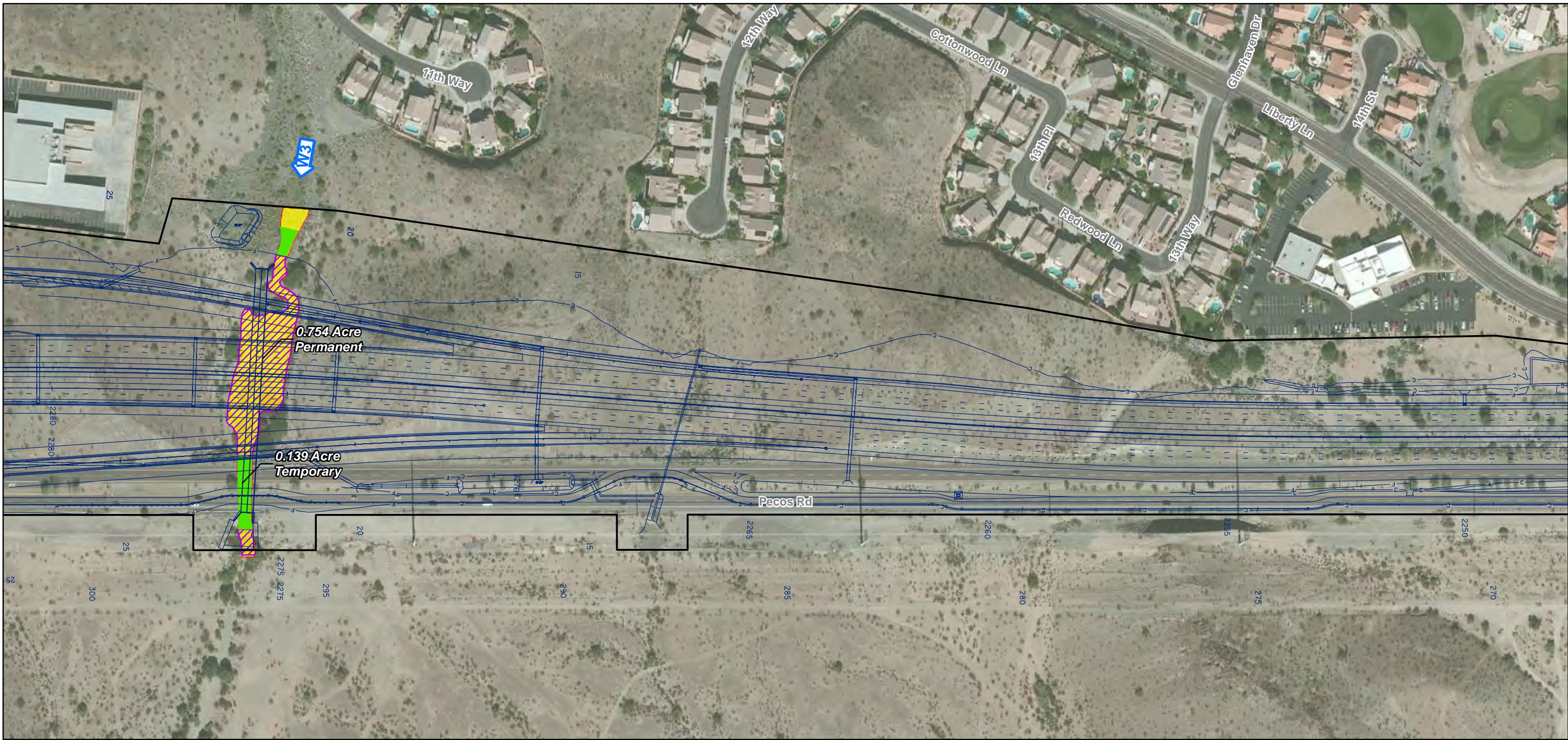




Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)







ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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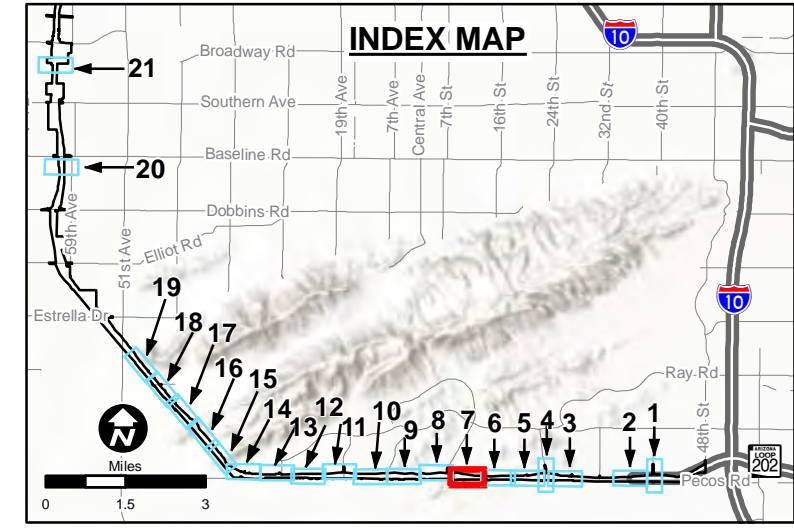
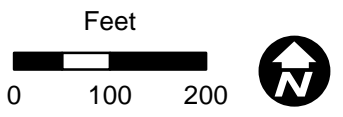


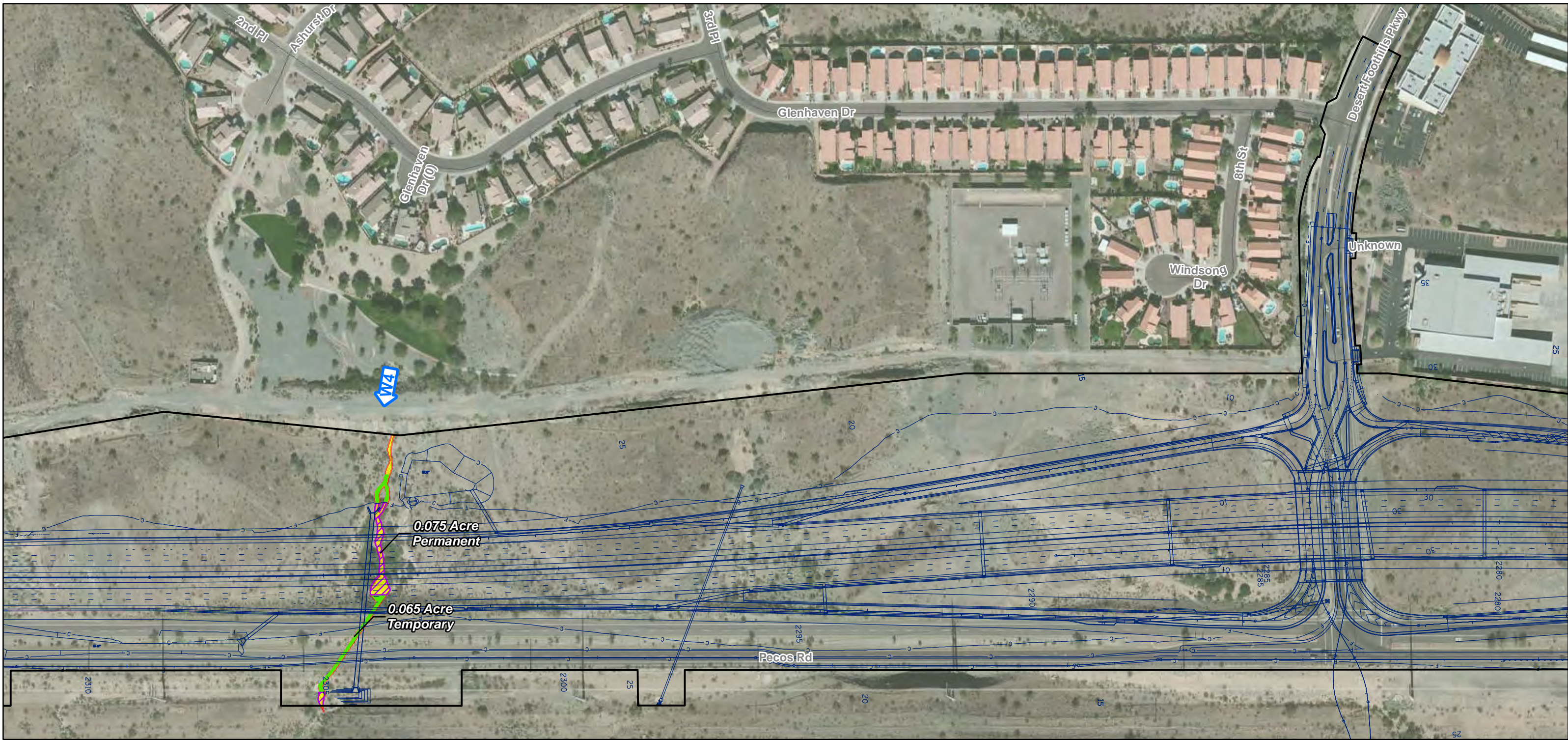


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

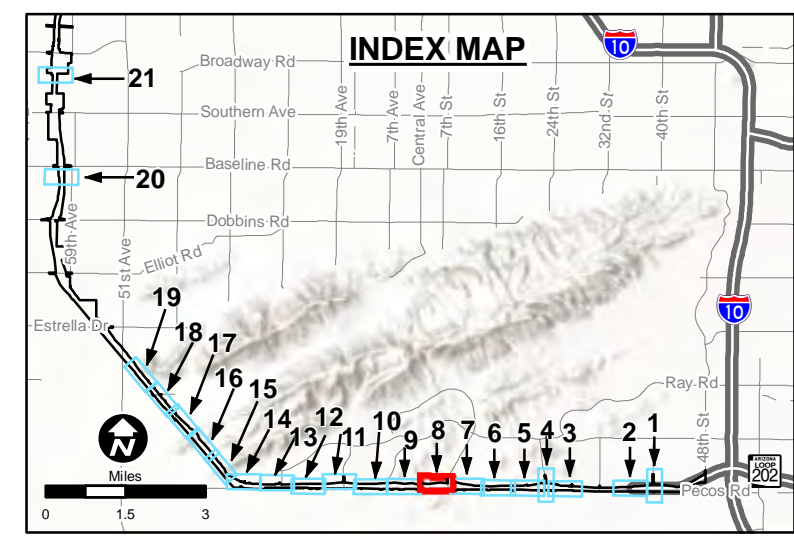
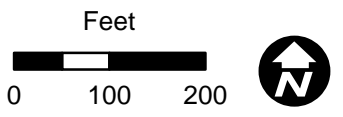


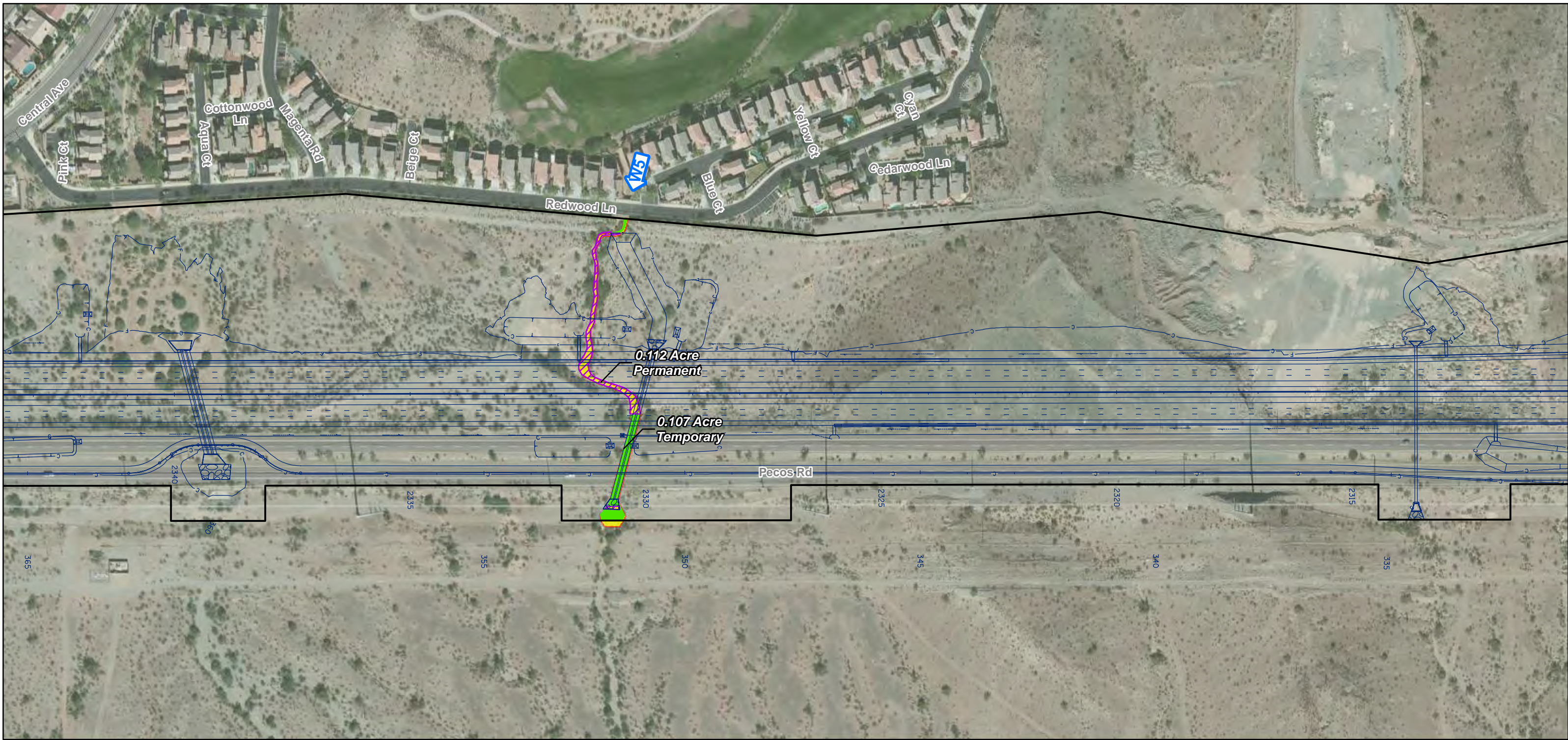


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

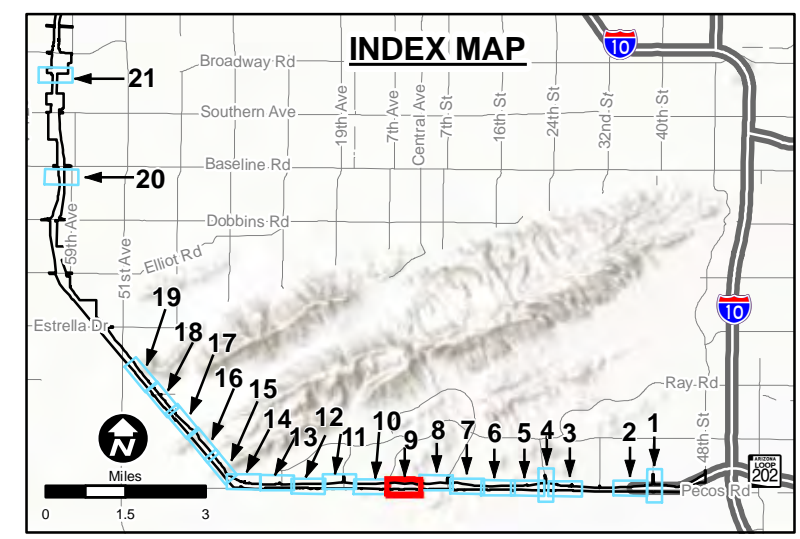
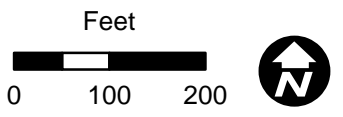




Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

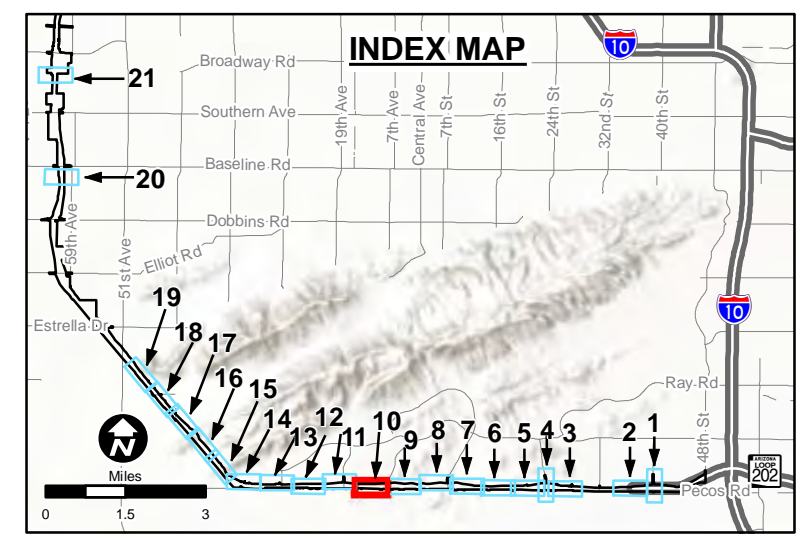
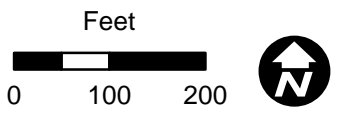


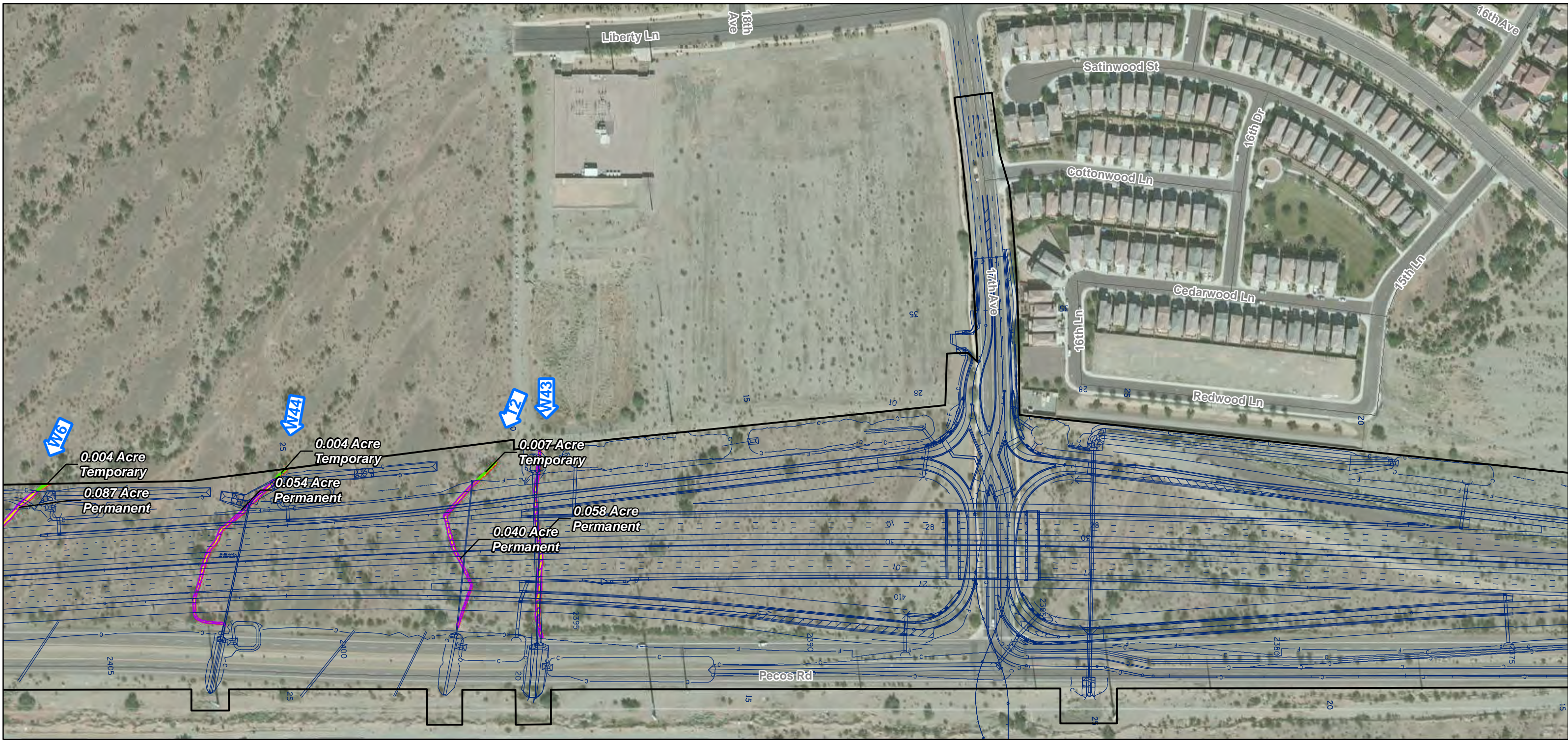


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

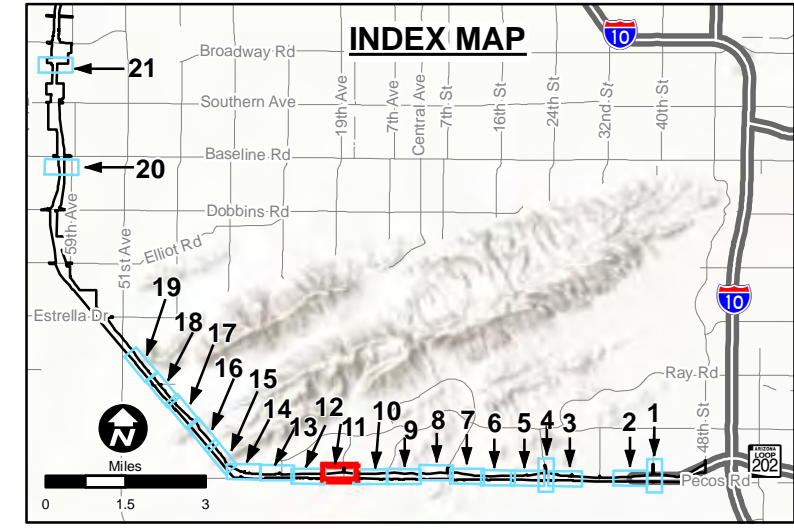
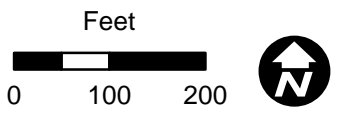


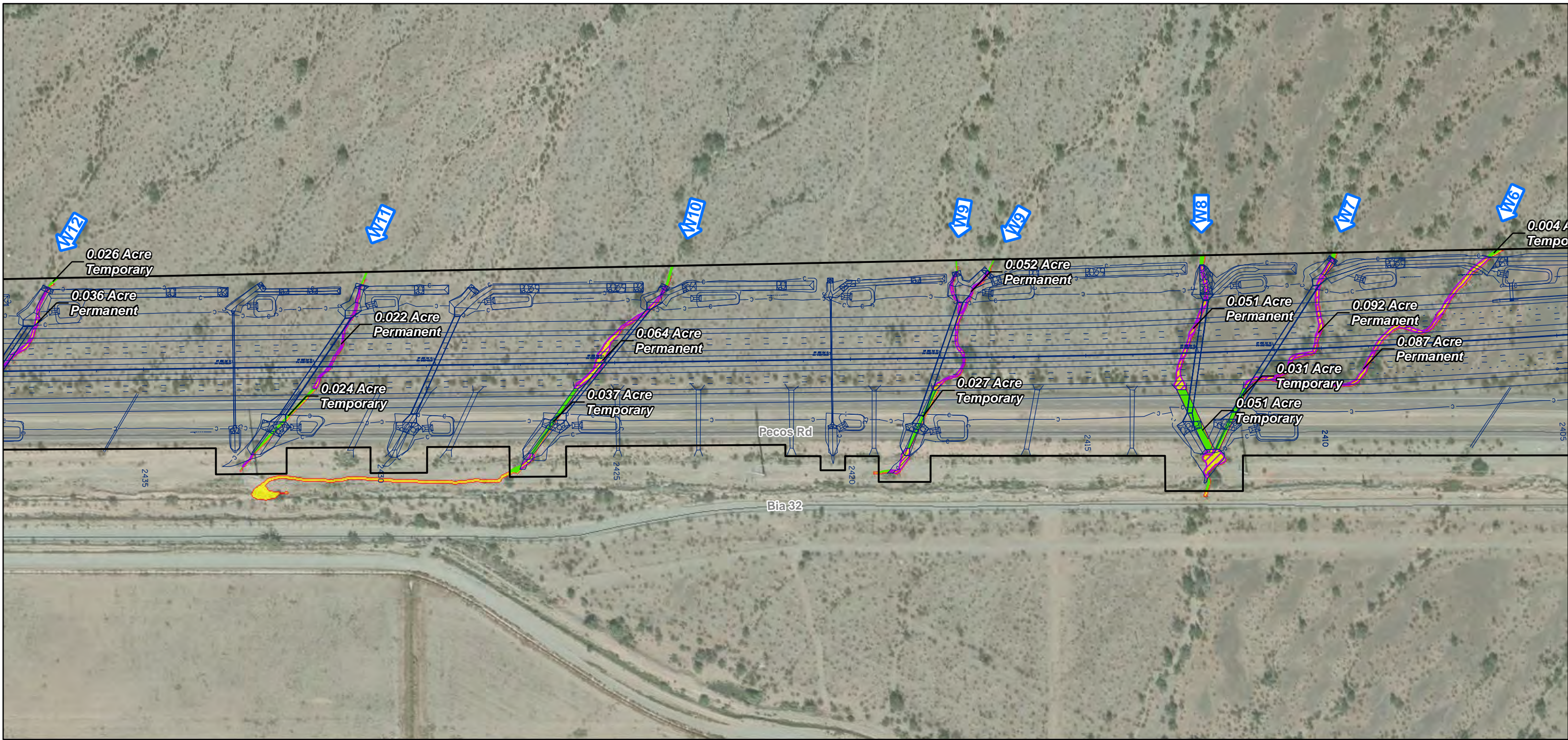


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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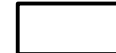




- Design Files (8/30/2017)
- Project Limits
- Waters of the US
- Permanent Impacts
- Temporary Impacts
- Watercourse Number
Arrow Indicates Flow Direction

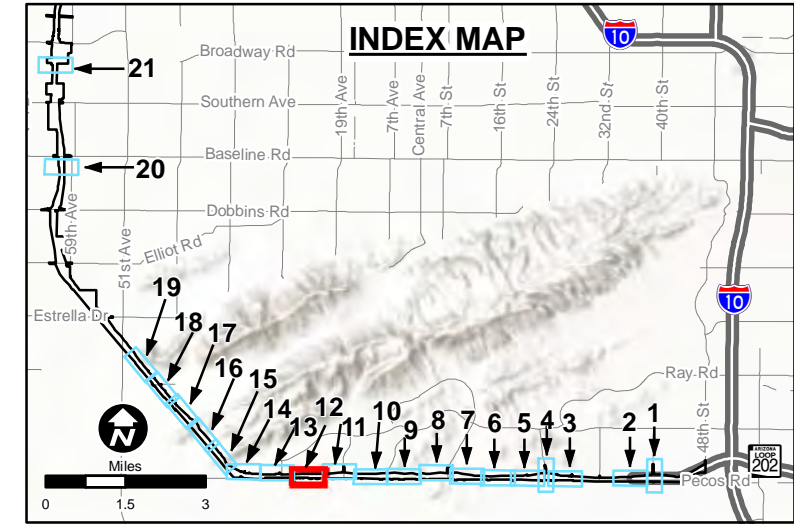
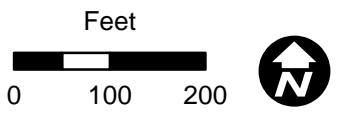


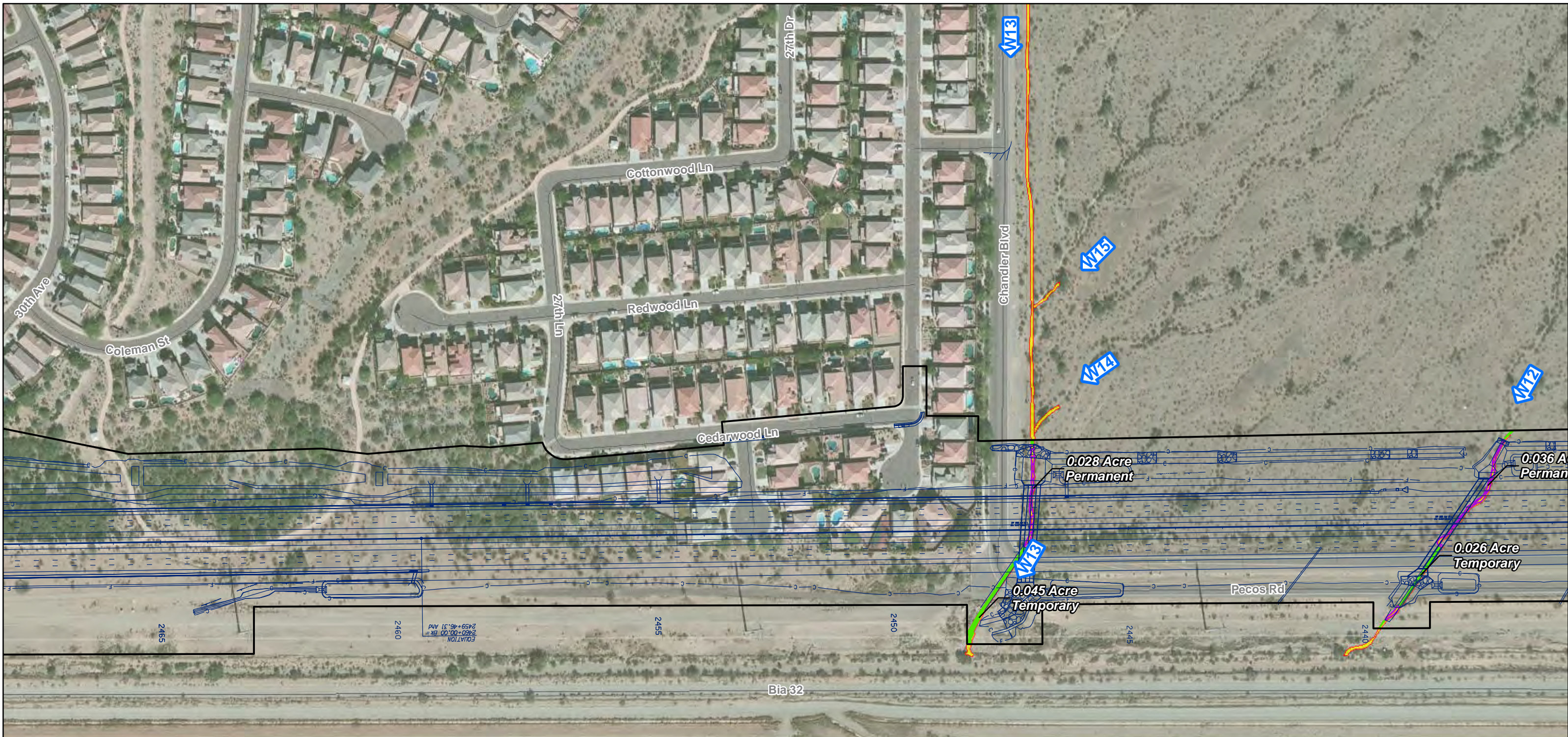


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

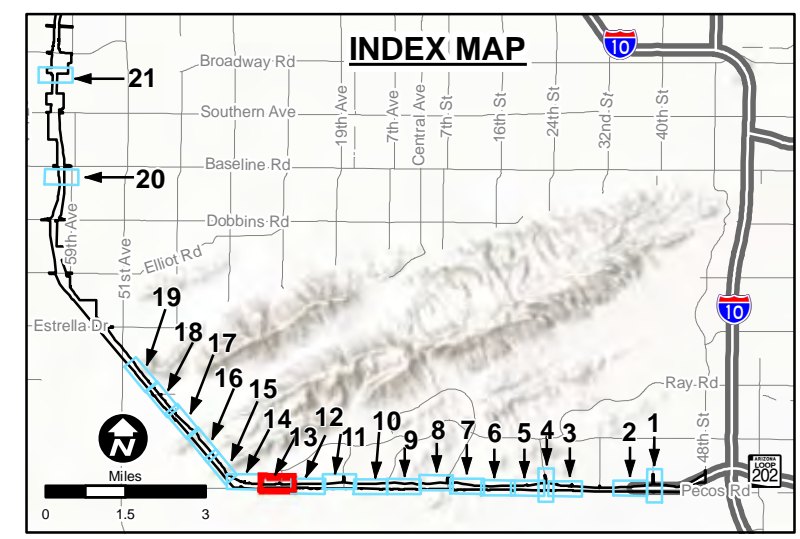
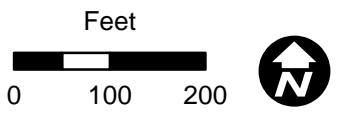


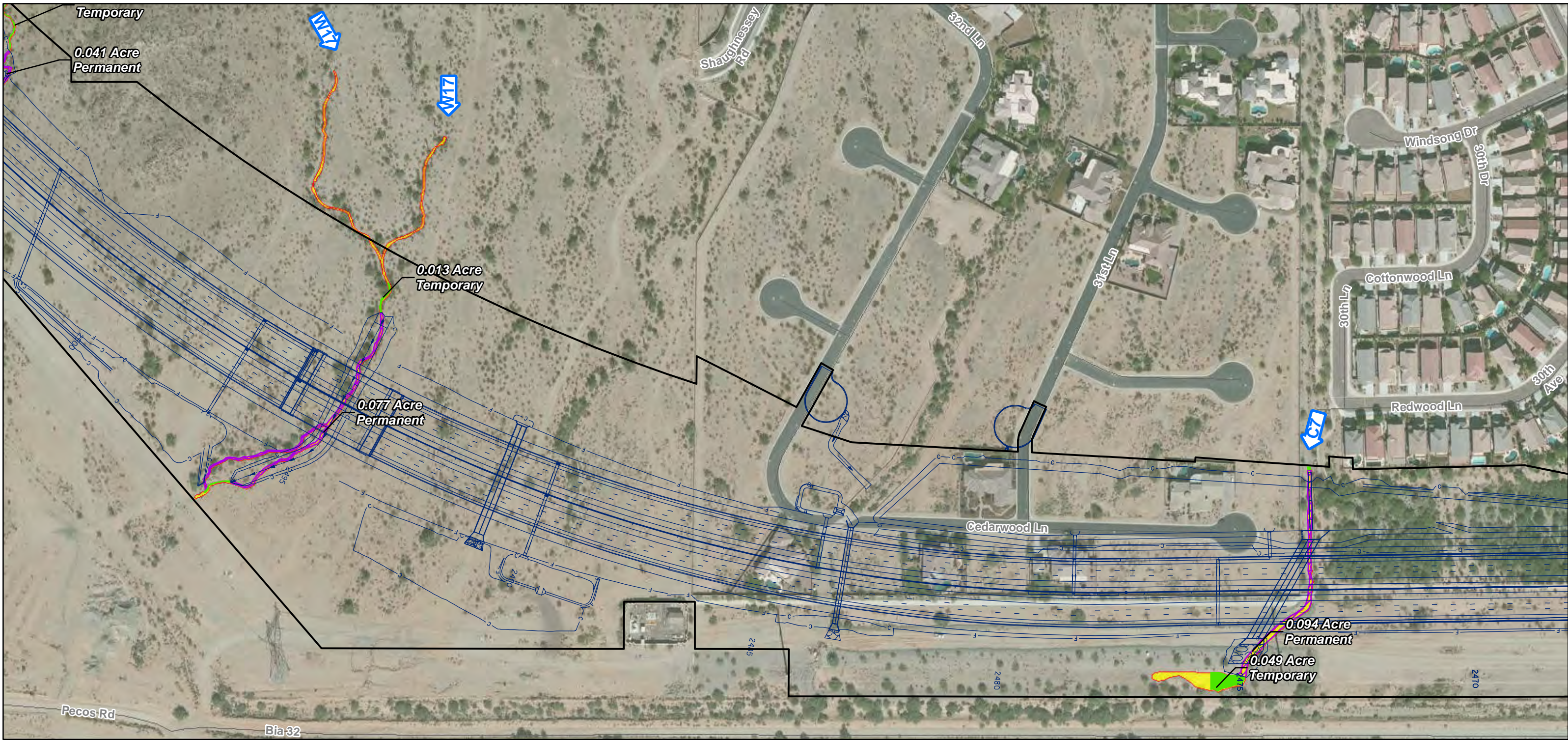


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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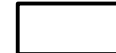




- Design Files (8/30/2017)
- Project Limits
- Waters of the US
- Permanent Impacts
- Temporary Impacts
- Watercourse Number
Arrow Indicates Flow Direction

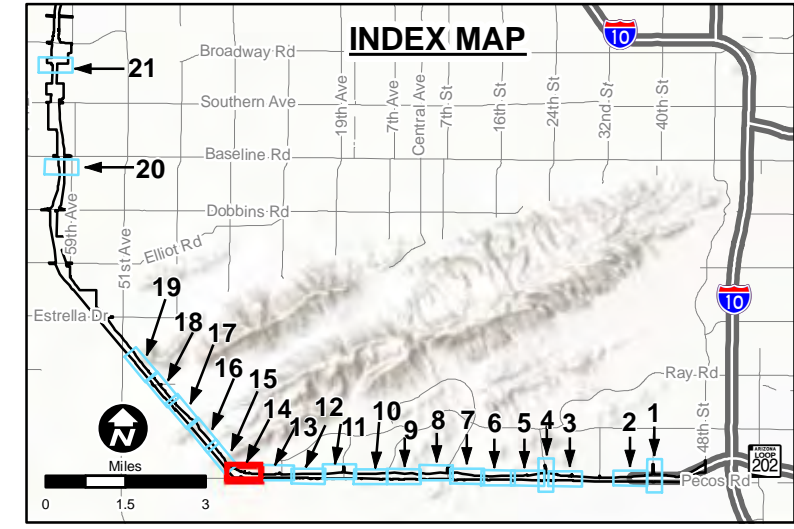
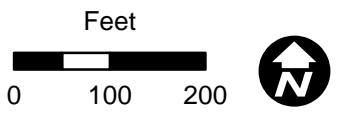


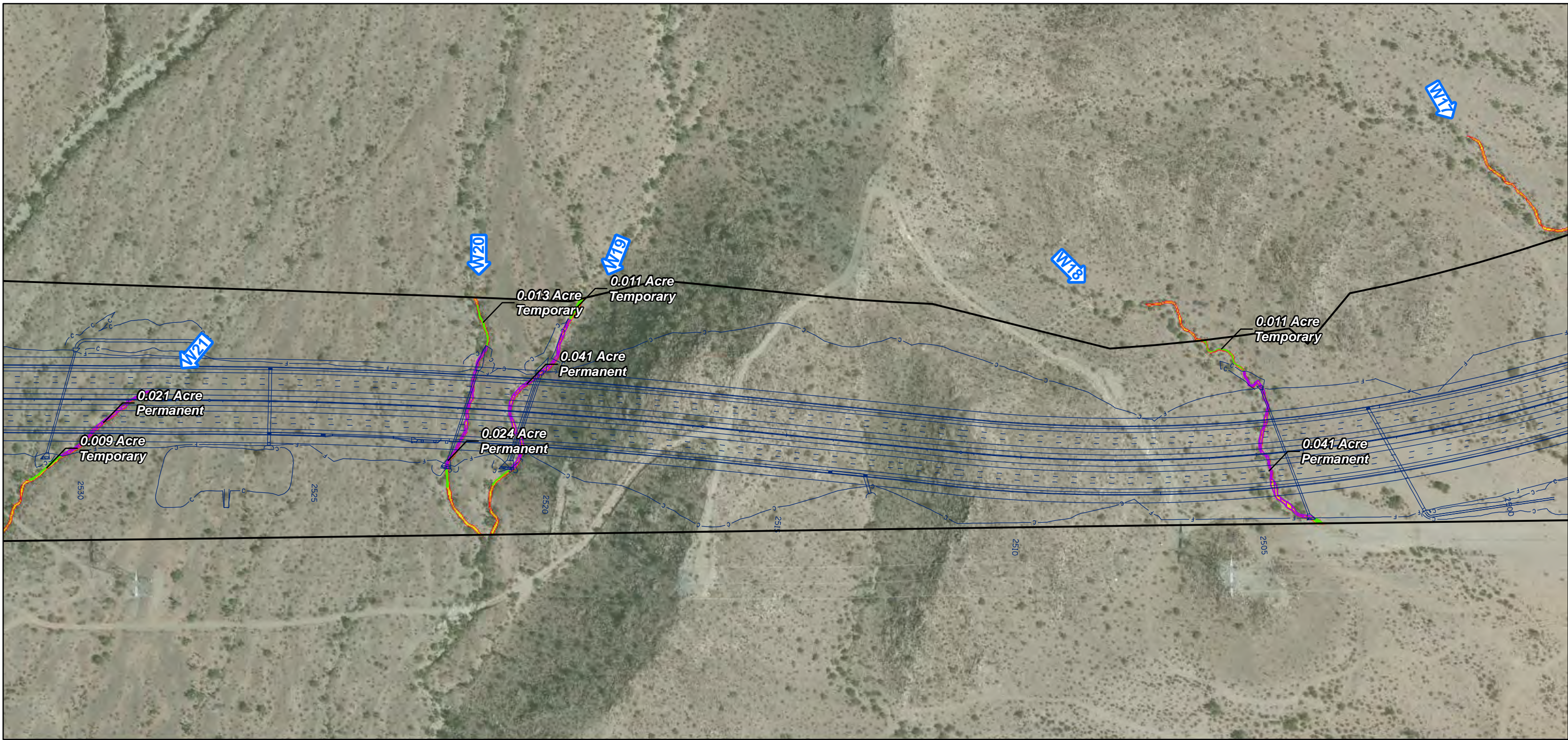


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

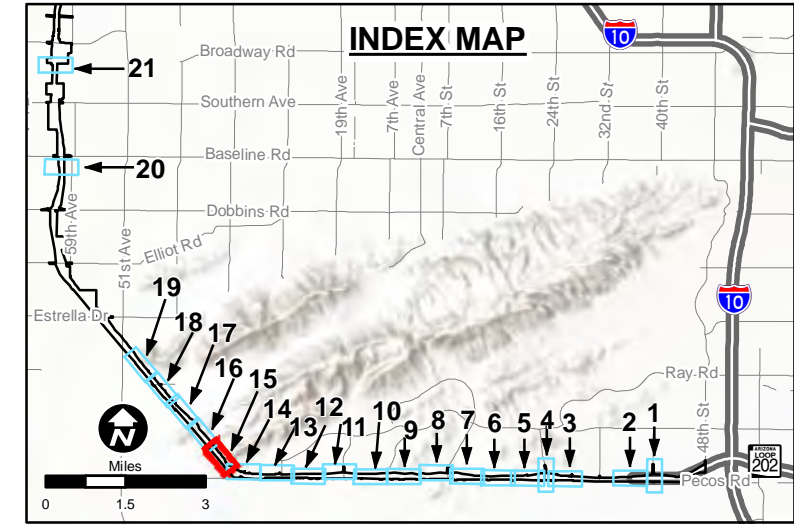
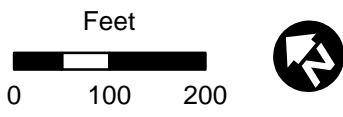


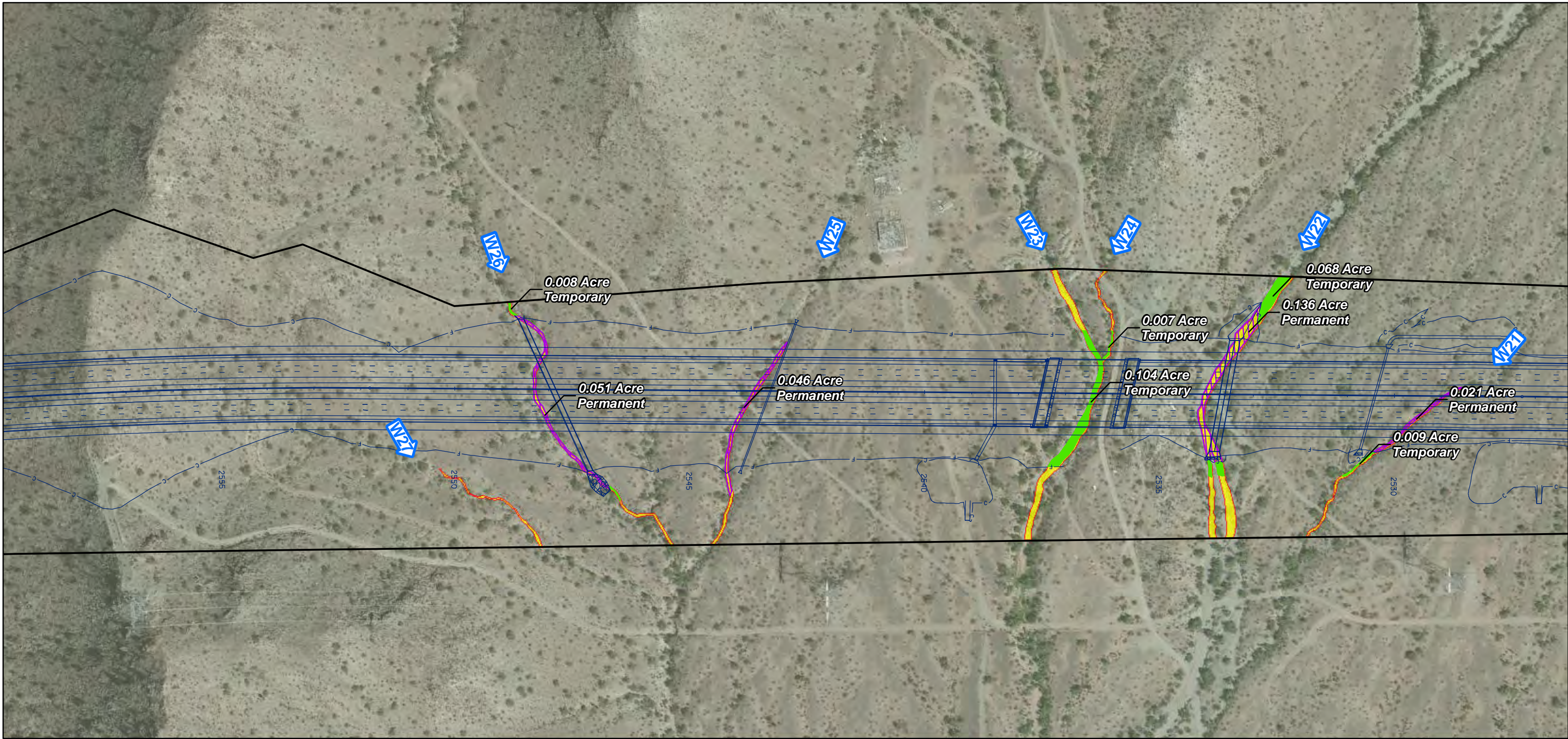


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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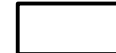




- Design Files (8/30/2017)
- Project Limits
- Waters of the US
- Permanent Impacts
- Temporary Impacts
- Watercourse Number
Arrow Indicates Flow Direction

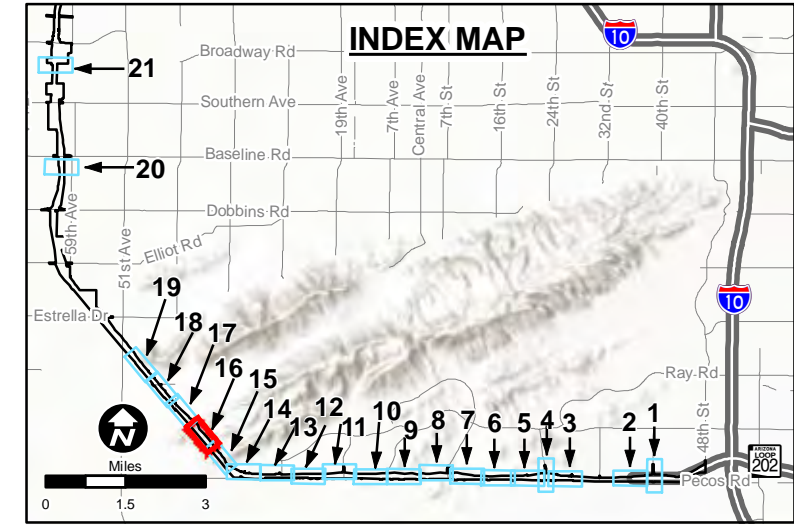
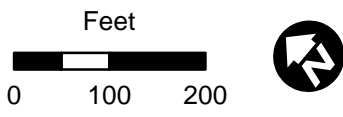


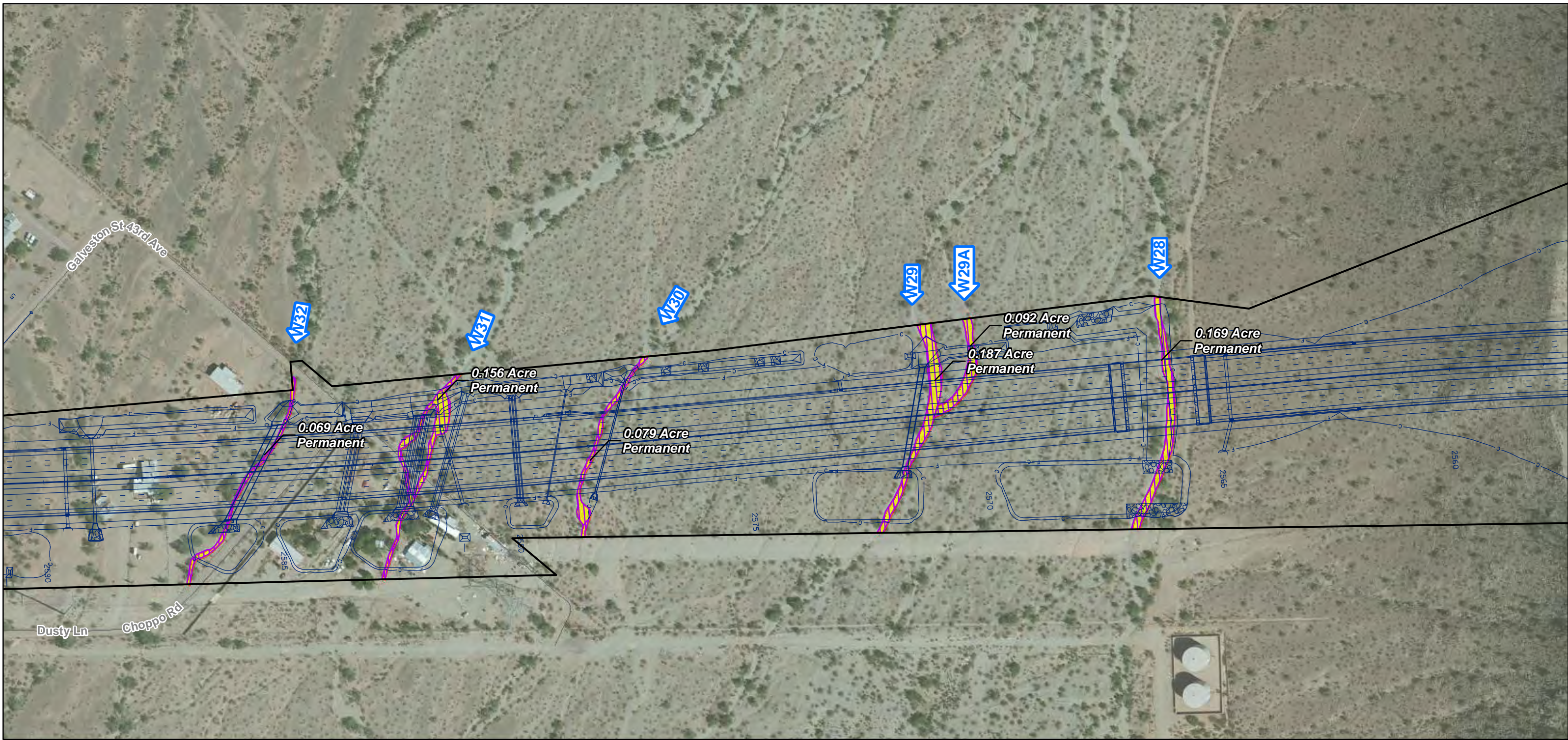


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

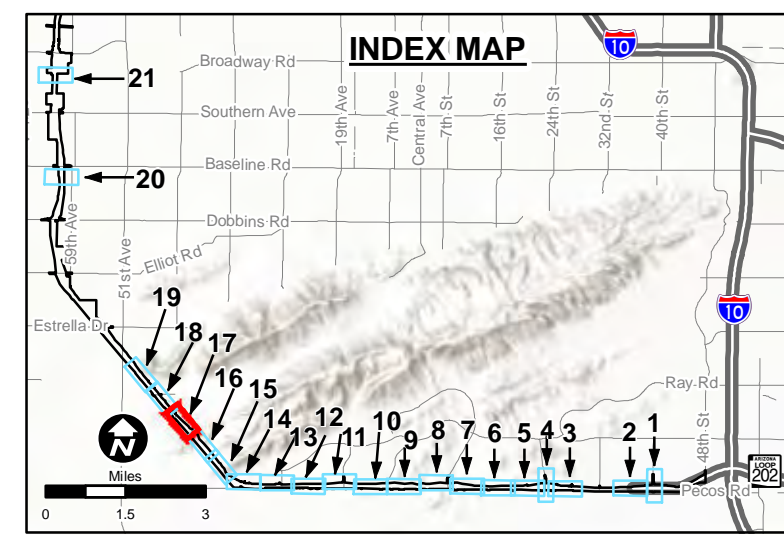
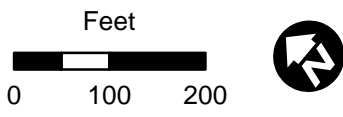


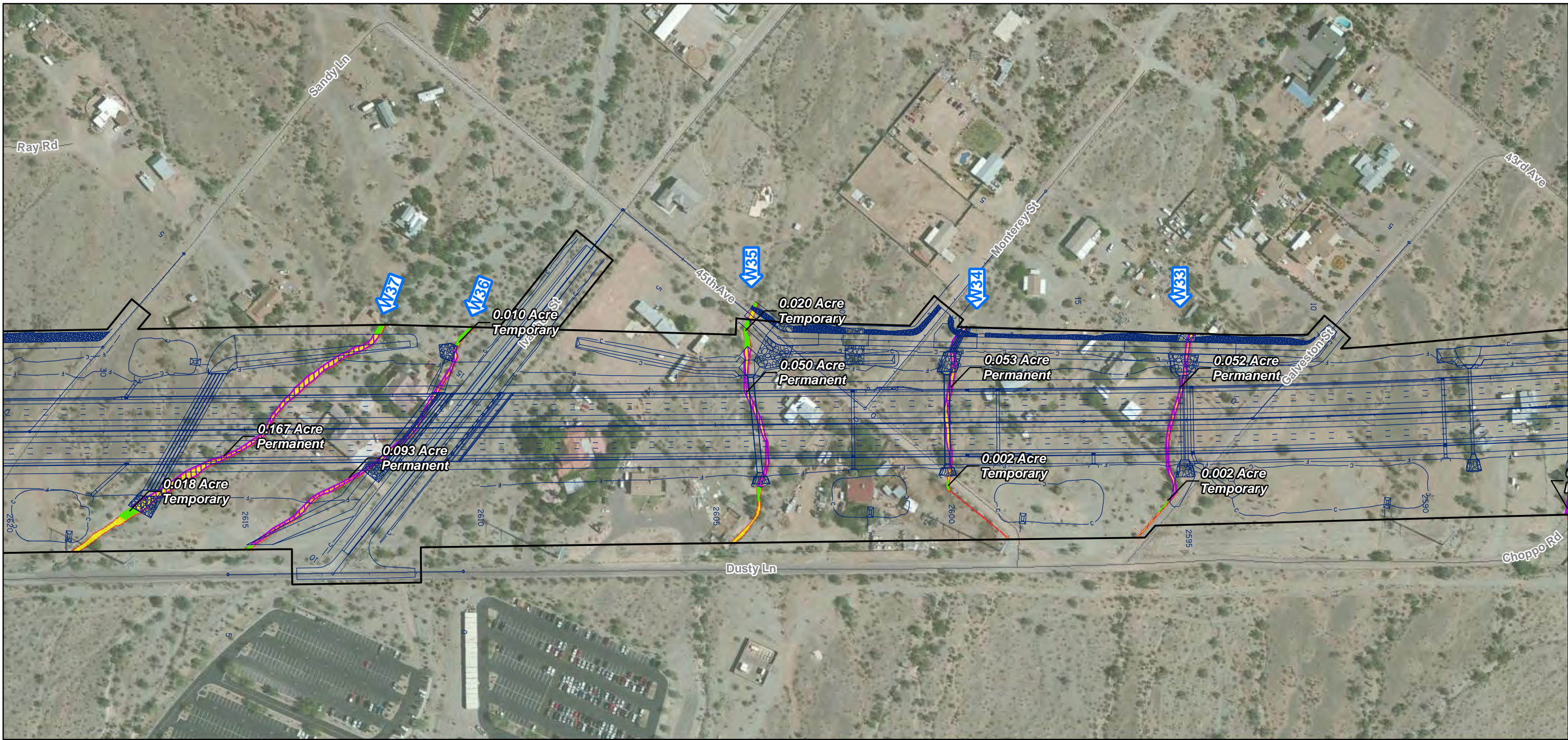


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

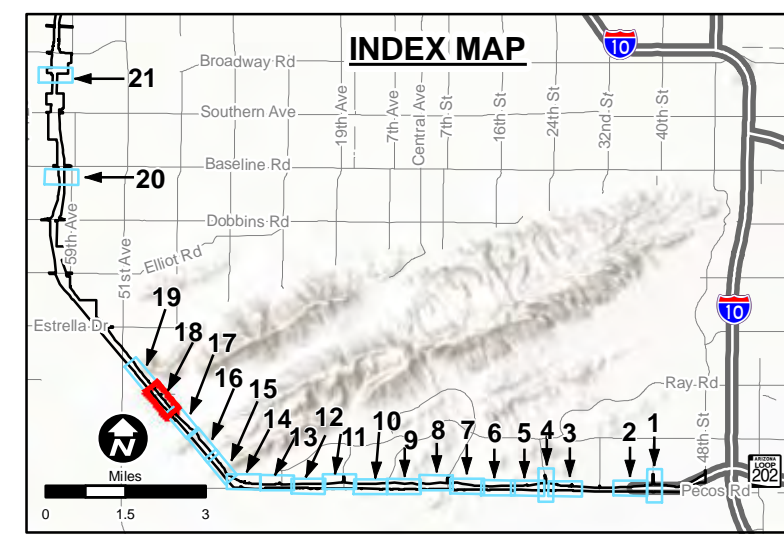
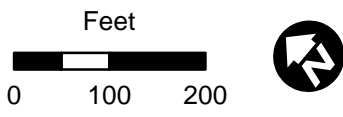


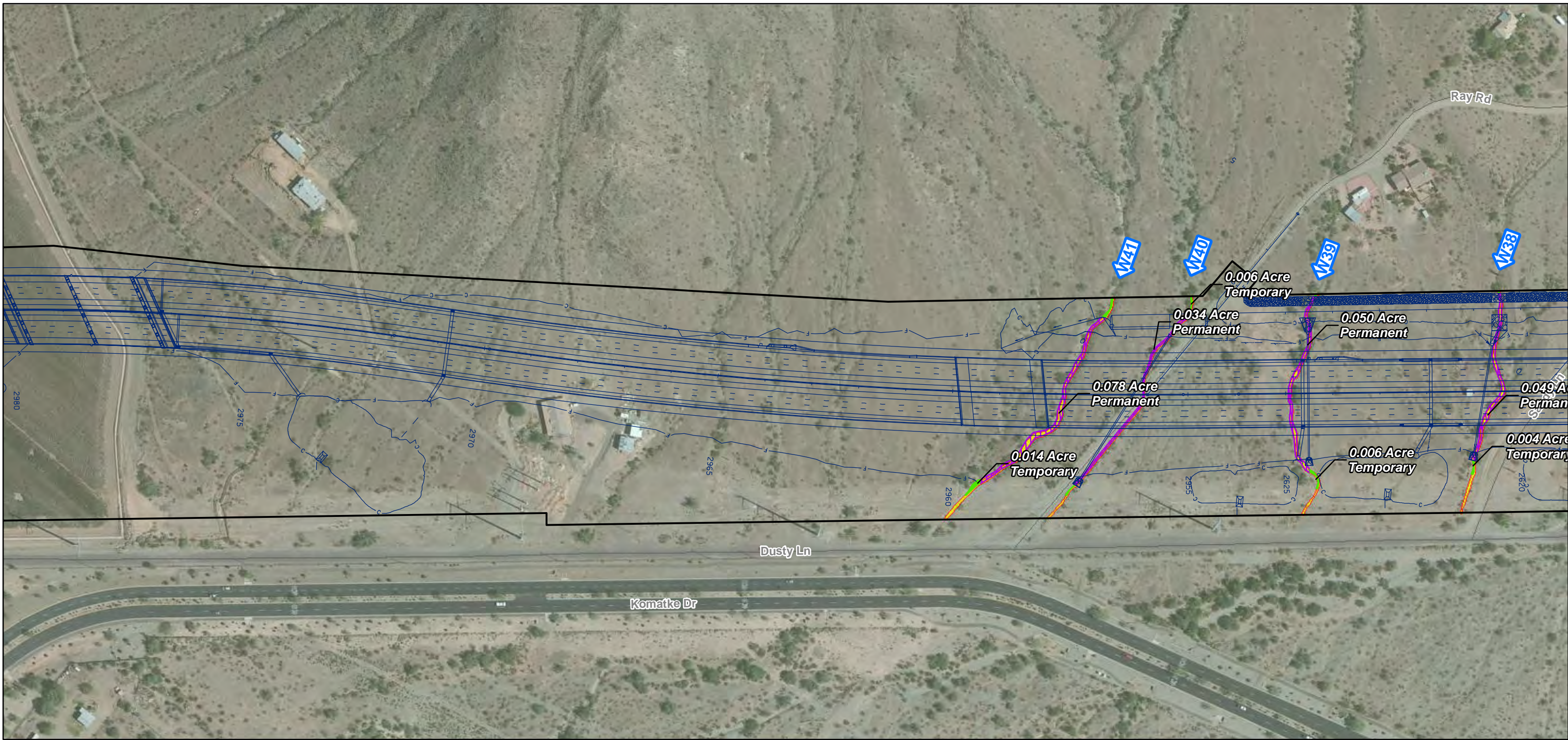


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

ALTERNATIVE C - CONNECT 202 PARTNERS DESIGN
IMPACTS TO WATERS OF THE US
 Corps File Number: SPL-2002-00055
 ADOT Project Number: 202 MA 054 H8827 01C
 Project Name: SR 202L(South Mountain Freeway)
 I-10 (Maricopa Freeway) - I-10 (Papago Freeway)
 Print Date: 10/4/2017, Mike Myers, AZTEC
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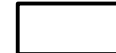




-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
-  Watercourse Number
Arrow Indicates Flow Direction

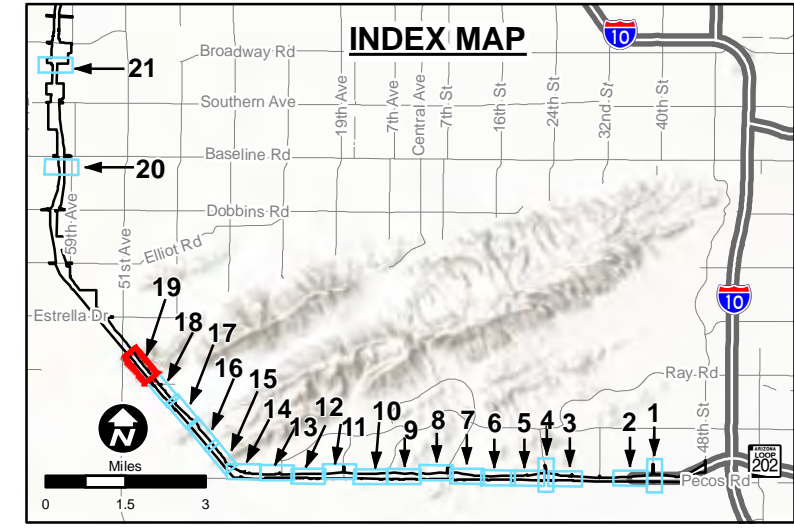
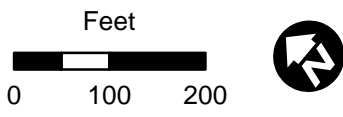


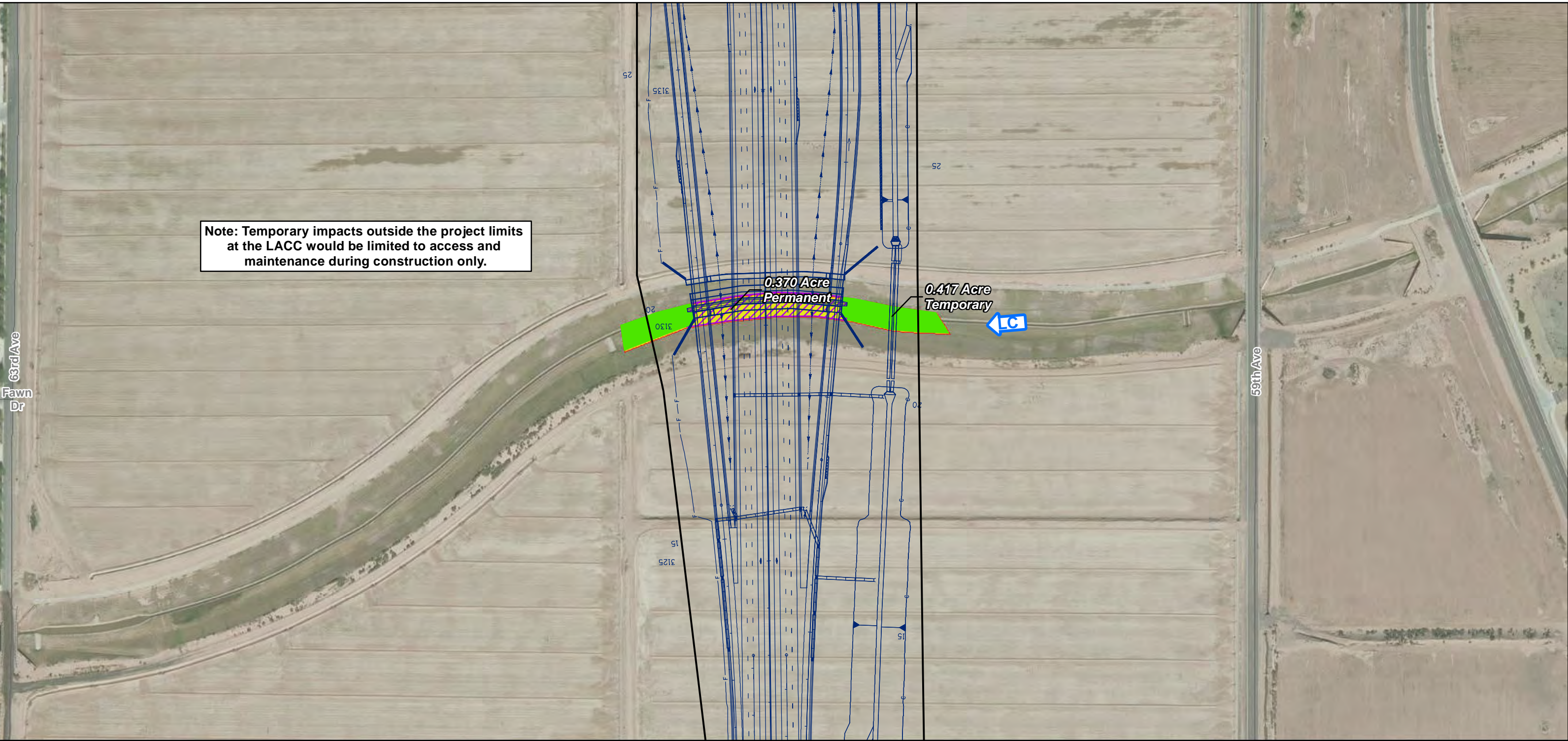


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

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 Print Date: 10/4/2017, Mike Myers, AZTEC
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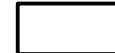




-  Design Files (8/30/2017)
-  Project Limits
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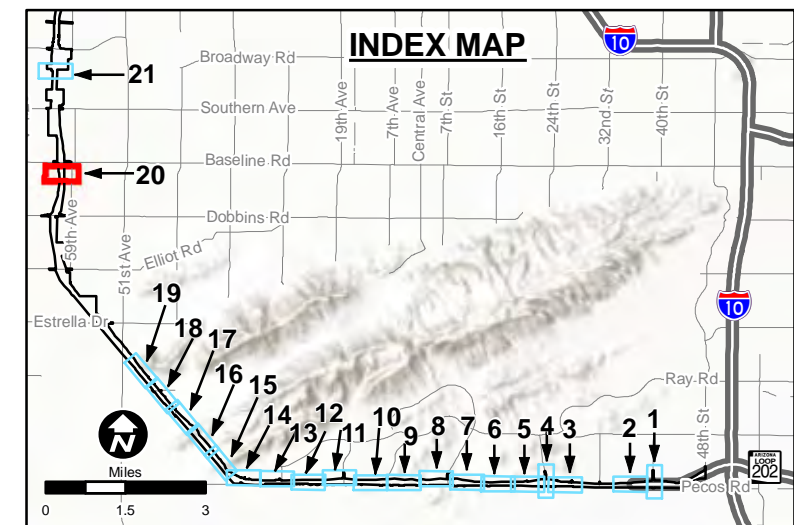
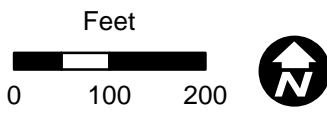


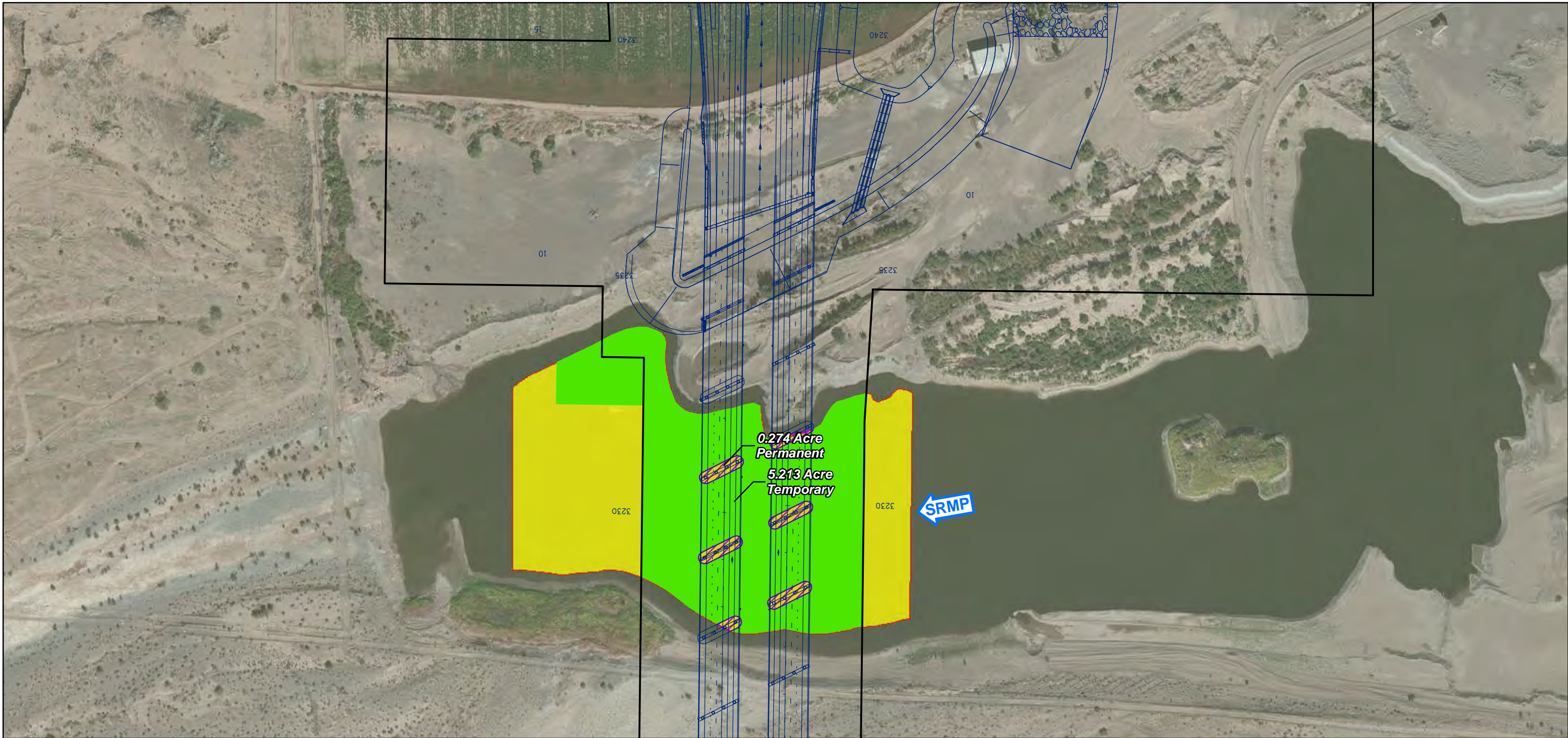


Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

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-  Design Files (8/30/2017)
-  Project Limits
-  Waters of the US
-  Permanent Impacts
-  Temporary Impacts
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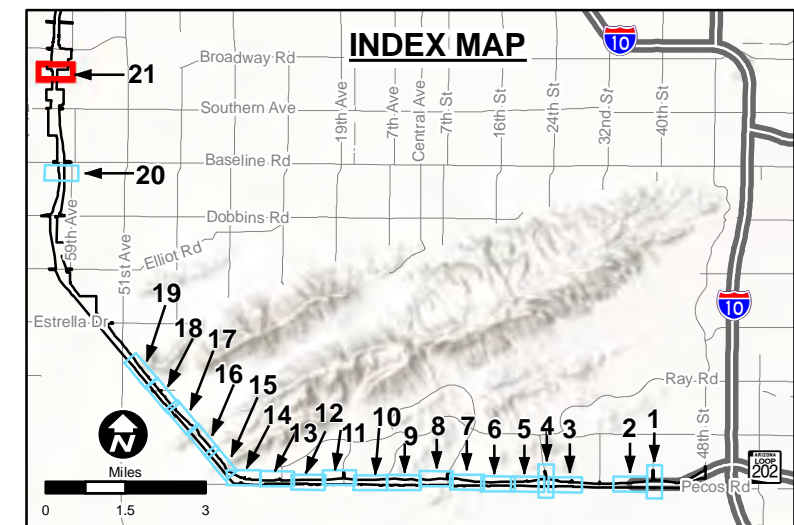
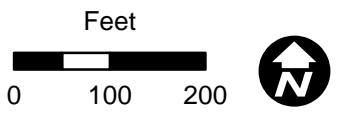




Sources: AZTEC (2017), HDR (2014). ESRI World Imagery (Aerial Photo Date: 5/29/2015)

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- Design Files (8/30/2017)
- ▭ Project Limits
- ▭ Waters of the US
- ▨ Permanent Impacts
- ▭ Temporary Impacts
- ← # Watercourse Number
Arrow Indicates Flow Direction



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Time Zone: (UTC-07:00) Arizona	1860 Michael Faraday Drive Suite 100
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	JGadsby@azdot.gov
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Electronic Record and Signature Disclosure:
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In Person Signer Events	Signature	Timestamp
Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp
Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps
Envelope Sent	Hashed/Encrypted	11/9/2017 8:51:11 PM
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Payment Events	Status	Timestamps