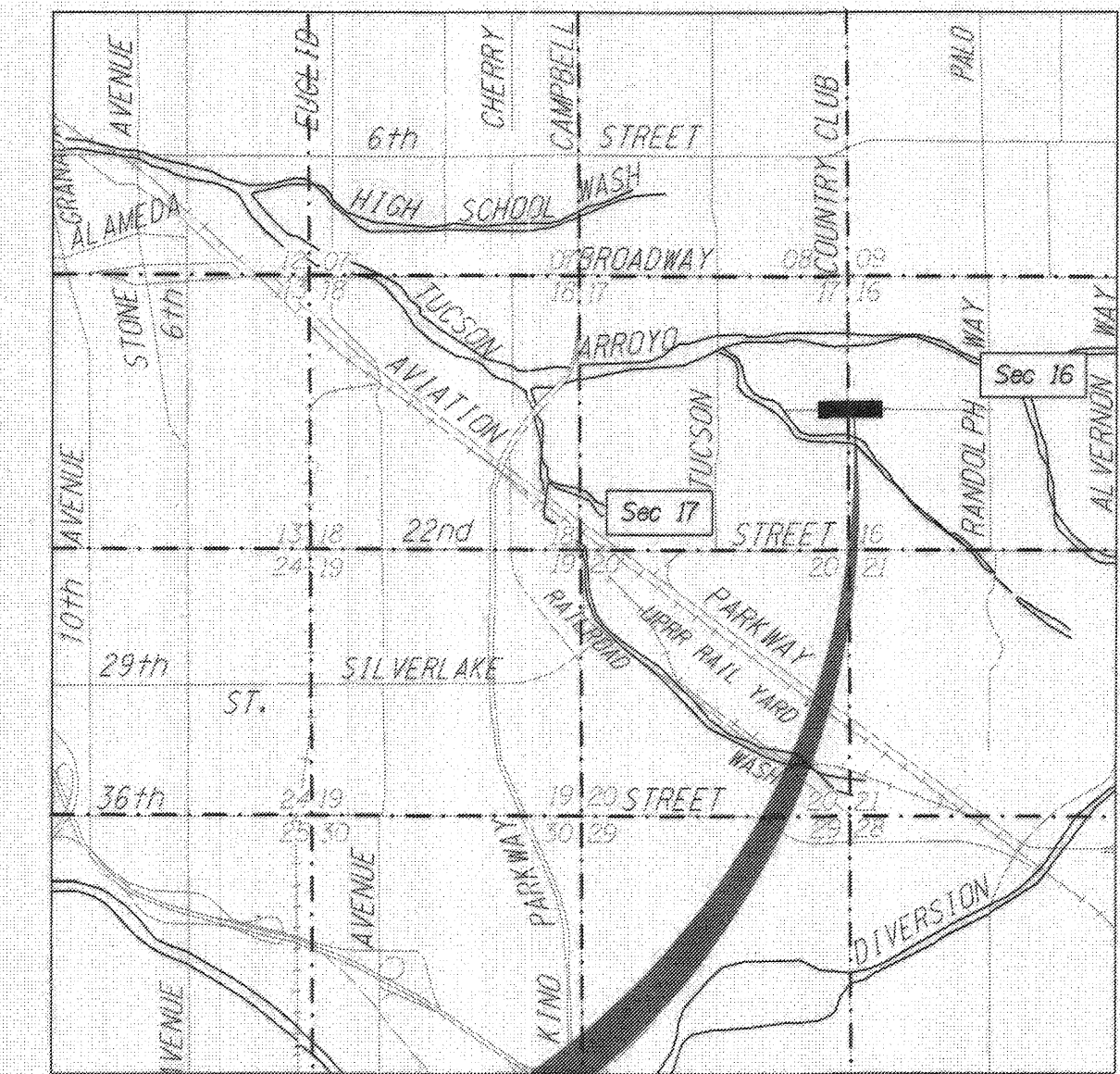
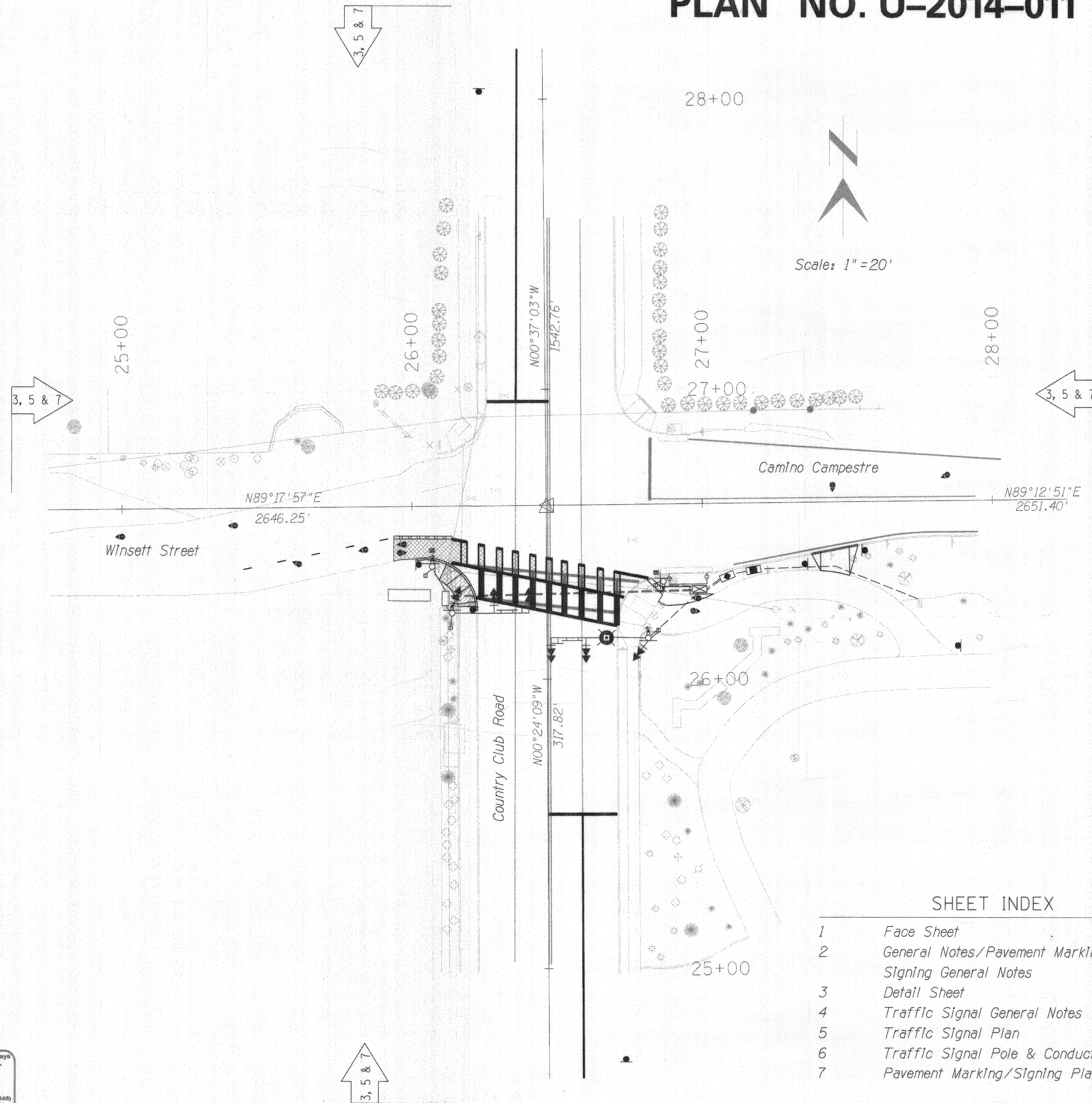


# ARROYO CHICO URBAN GREENWAY COUNTRY CLUB ROAD BIKE HAWK CROSSING

## JOB NO. SP09 PLAN NO. U-2014-011



PROJECT SITE LOCATION MAP

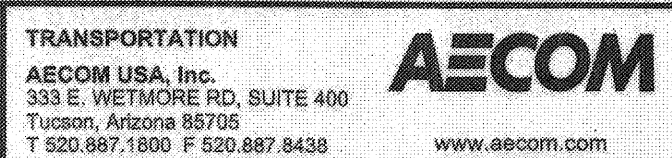
Sections 16 & 17  
T 14 S, R 14 E  
Gila & Salt River & Meridian, Pima County, Arizona  
Scale: 3"=1 Mile

Scale: 1"=20'

### SHEET INDEX

- |   |  |
|---|--|
| 1 | Face Sheet   |
| 2 | General Notes/Pavement Marking General Notes/<br>Signing General Notes |
| 3 | Detail Sheet   |
| 4 | Traffic Signal General Notes   |
| 5 | Traffic Signal Plan  |
| 6 | Traffic Signal Pole & Conductor Schedule                               |
| 7 | Pavement Marking/Signing Plan  |

PCRWFD No. UPC-2014-155

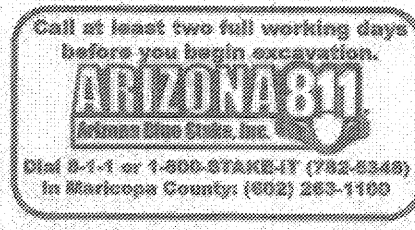


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

<b>CITY OF TUCSON</b>	<b>ARROYO CHICO URBAN GREENWAY COUNTRY CLUB ROAD BIKE HAWK CROSSING</b>		
	Approvals ENGINEERING ADMINISTRATOR TRAFFIC PLANNING & DESIGN ADMINISTRATOR LANDSCAPE ARCHITECT STREET ADMINISTRATOR	Signatory [Signature] [Signature] [Signature]	Date 3/18 4/26 3/18 3/18
		Approved <b>4-18-2018</b>	[Signature] TRANSPORTATION DIRECTOR
		REF: _____ SCALE: N/A	PLAN NO. U-2014-011

NO.	DATE	REVISION	BY	CHKD.	APPR.

Date Plotted: 12/15/2015 10:43:44 AM  
 File Name: P:\A603308424 - Winsett Bikehawk\009-Work\110-CAD\20-SHEETS\U-2014-011.dgn





**GENERAL NOTES**

- All materials and workmanship shall be in accordance with the current edition of the Pima County/City of Tucson (PC/COT) Standard Specifications and Details for Public Improvements, except as modified in the contract documents and plans.
- The Contractor shall comply with all applicable Occupational Safety and Health Administration regulations.
- The Contractor shall not damage natural growth within private property. All work shall be done within easements, roadways and alleys.
- All stationing is along the survey control centerline.
- The Contractor shall verify location of all existing utilities prior to any construction. Call "Blue Stake (1-800-782-5348) two (2) full working days prior to construction. The plan location of utilities shown are approximate, based on available records and design blue stake markers. Neither the owner nor the Engineer can guarantee the accuracy or completeness of utilities shown. Existing utilities and other facilities have been located on the plans from field surveys, existing maps and other current plans within the area of this project. The Contractor will determine the exact location and/or elevation of all existing utilities which pertain to and affect the construction of this project.
- Facilities which are not specifically located with actual horizontal and vertical controls are located approximately and to the best available information.
- Removal of cacti and other native plants shall be in accordance with the provisions of the "Arizona Native Plant Law", ARS Chapter 7, January 1991.
- Cross slopes, ramp slopes and landing dimensions for all new sidewalk shall be installed per ADA guidelines and in accordance with the details in Standard Detail 200.
- Basis of Bearing: the Basis of Bearing is N 89°57'17" E, 2646.25', between found monuments at COT/PCDOT Geodetic Control Point ELO7 and COT/PCDOT Geodetic Control Point ELO9. Refer to plans for further detail. Country Club Road stationing was determined from As-Built plans (COT Plan No. I-70-50).
- The Contractor shall obtain all permits required by governmental agencies.
- Existing overhead electric, telephone and cable TV utilities and underground electric, gas, TV and telephone installations are to be relocated by others, as necessary.
- Traffic control shall conform to the requirements of the "Manual on Uniform Traffic Control Devices", U.S. Department of Transportation, Federal Highway Administration, and the Special Provisions. A barricade plan must be submitted for approval no less than 48 hours prior to any work in public right-of-way.
- All pavement markings shall be installed by the Contractor. Contact COT Traffic Engineering at 791-4259 within 48 hours to coordinate review of the striping layout prior to actual striping.
- All signs shall be installed by the Contractor. Contact COT Traffic Engineering at 791-4259 within 48 hours to coordinate review of the signing layout prior to installing sign foundations.
- The Contractor shall maintain access to all driveways and mail boxes during construction and not restrict U.S. Postal deliveries, solid waste collection and/or access to adjacent properties, except as approved by the Engineer.
- The Contractor shall be responsible for the care, maintenance, repair or replacement of existing improvements in the work area which have been removed or damaged during the course of construction. All repair, replacement or cleanup shall be done to the satisfaction of the owner.
- The COT shall not be held liable or responsible for any errors and/or omissions on these plans. Items not meeting COT Standards shall be repaired or replaced at no cost to the COT.
- Contractor shall maintain access to all sanitary sewer manhole structures at all times.
- House or business connection sewers (HCS or BCS) are not part of the public sanitary sewer conveyance system. Private connection sewers constructed prior to January 2006 are not required to be Blue Staked. Any HCS/BCS encountered during construction shall be protected, repaired, or rerouted, as the situation dictates per PCRWRD SSDC 2012, Standard Detail RWRD 400, and at no expense to the property owner or PCRWRD.

- Immediately report any of the following to either PCRWRD Field Engineering (520-724-2651) or PCRWRD Conveyance Division (520-724-3400): any release of sewage, any damage to the public sanitary sewer system, or the dropping of debris into the public sanitary sewage system. On weekends, holidays, or between 5:00 p.m. and 7:00 a.m., immediately call PCRWRD Operations Control Center (520-724-6048) and request a PCRWRD representative to be dispatched to the site. Take immediate action to contain the sanitary sewage overflow (SSO) from the sewer system. The Contractor shall be responsible for all costs to repair the system, for all expenses to mitigate the release and to disinfect the release areas, and for any regulatory penalties levied on PCRWRD because the SSO entered a natural drainageway or storm water drainage system. The Contractor shall repair all damage as directed and approved by PCRWRD.
- SWPPP measures shall be installed so as to prevent all stormwater, construction water, fuels, chemicals, or liquids from being directed into or onto any sanitary sewer facilities. Protection of sanitary sewer facilities shall be a part of the Approved Construction SWPPP and Best Management Practices. Protection devices shall be installed and maintained around all potentially affected sanitary sewer facilities within the project limits. Additional measures shall include but not be limited to the use of rain stoppers and waterproof manhole covers as deemed necessary by the PCRWRD.
- Omissions or conflicts between various elements of the drawings, notes and details shall be brought to the attention of the Engineer and resolved before proceeding with the work.
- All coordinates are in international feet. Coordinates were derived from State Plane, Arizona Central. A combination factor (0.9998890350) was applied, 400,000 and 1,000,000 were then subtracted from the northing and easting, respectively, to achieve ground coordinates.
- Basis of elevation for this project is a City of Tucson benchmark #692A, field book 1989-A-2, page 49, being a chiseled "x" on the southwest corner of a catch basin at the southeast corner of Camino Campestre and Country Club Road. Said elevation is 2473.847, NAVD88 datum.

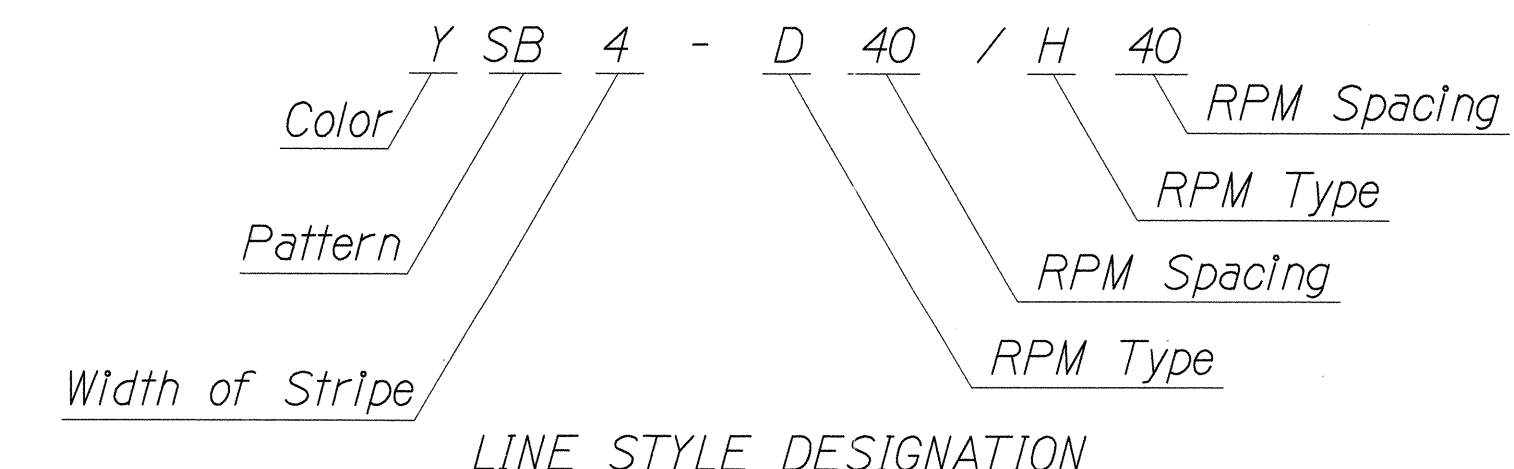
**PAVEMENT MARKING GENERAL NOTES**

- All equipment/materials and construction shall meet or exceed the requirements contained in the current PC/COT Standard Specifications and the Standard Details for Public Improvements, the Special Provisions, and the Approved Plans. All pavement markings shall be installed in accordance with the PC/COT Pavement Marking Design Manual and the COT DOT Traffic Engineering Division Pavement Marking Standards.
- The permanent pavement markings may be modified as directed and approved by the Traffic Engineer or his Designee.
- All lane dimensions are from center of lane line, center of double lane line, or edge of pavement unless otherwise noted.
- The pavement marking drawings are schematic only. The Contractor shall follow all dimensions, applicable marking details, and COT Standards when installing pavement striping, symbols, legends and markers.
- Painted layout striping shall be 15 mils (0.015") thick water based paint placed on the final pavement surface. Painted layout striping shall be installed within 5 working days of the final pavement surface being completed.
- Painted symbols and legends shall be applied at the same time as the painted striping, with the exception of bike lane symbols and words (such as Stop, Ahead, Only, etc.).
- The final longitudinal striping shall be 60 mil (0.060") thick hot-sprayed thermoplastic reflectorized striping placed over the temporary striping within 14 to 30 calendar days of the final pavement surface being completed. All other markings shall be applied at the same time. Temporary striping shall be paint.
- All final transverse striping shall be hot-sprayed 90 mil (0.090") thermoplastic striping. All pavement arrows and legends shall be hot-sprayed 90 mil (0.090") thermoplastic pavement marking. Extruded thermoplastic or preformed applications may be used if approved by the Traffic Engineer.

- The Contractor shall be responsible for the layout, inspection, and installation of the pavement markings on the final surface course following control points that have been set to no more than 50 feet apart along the lines to be striped. The layout of all pavement markings shall be approved by the Engineer prior to the application of materials.
- All removal of existing pavement markings shall be accomplished in accordance with Section 701 of the PC/COT Standard Specifications. Painting over existing striping does not constitute approved striping obliteration.
- The Engineer of record shall be required to produce as-built striping plans within 90 days of striping completion.
- Final inspection/acceptance of pavement markings shall be performed by the Engineer.

**SIGNING GENERAL NOTES**

- All equipment, materials and construction shall meet or exceed the requirements contained in the current PC/COT Standard Specifications for Public Improvements and the Standard Details for Public Improvements, the Special Provisions, and the Plans.
- All signs shall be in compliance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD), the latest edition of the PC/COT Traffic Signing Design Manual, these plans, and the Special Provisions.
- Signs may be modified and locations adjusted to fit conditions at the discretion of the Traffic Engineer.
- All new and existing signs shall be installed on 2 inch square tube (P1) posts. Post lengths under signs indicated on the plan sheet are approximate. The Contractor shall verify actual post lengths.
- All square tube (P1) posts shall be installed in a concrete foundation per sheet 8-2A of the PC/COT Traffic Signing Design Manual, unless otherwise directed by the Traffic Engineer.
- All sign station and offset locations are approximate. The Contractor shall verify actual sign locations with the Traffic Engineer prior to the installation of all signs.
- The Contractor shall be responsible for coordinating all work with Blue Stake and for installing all traffic signs in the field.
- All overhead mounted signs shall have ASTM Type XI sheeting. All school signs shall have fluorescent yellow-green, ASTM Type XI sheeting. All other signs shall have High Intensity Prismatic Type IV sheeting. All ground mounted signs shall have an anti-graffiti coating applied to sign face, 3M #1160 film or equivalent.
- All new signs shall have 0.080 gauge aluminum backing, unless otherwise noted.
- All existing signs to be removed as part of this project are to be delivered to the City of Tucson sign shop at 4004 South Park Avenue (791-3154). The Contractor is responsible for unloading the salvaged material. Any sign that is to be re-used shall be stored in a safe location until reinstallation.
- Sign removals shall be in accordance with Section 202-3.06 of the PC/COT Standard Specifications for Public Improvements. Final inspection/acceptance of signing shall be performed by the Engineer.



**LINE STYLE DESIGNATION**

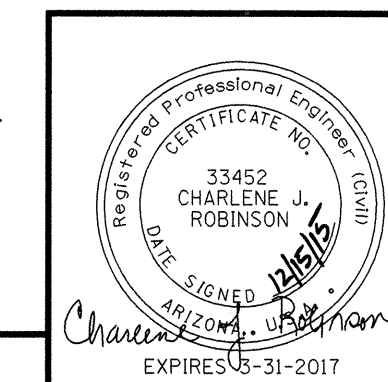
See 2008 Pima County and City of Tucson Pavement Marking Design Manual for Further Descriptions.



Date Plotted: 12/15/2015  
Time Plotted: 11:25:30 AM  
Filename: P:\60330424 Mraett Bikehawk\908-Work\910-CAD\20-SHEETS\0424gennotes.dgn

**GENERAL NOTES/PAVEMENT MARKING GENERAL NOTES/SIGNING GENERAL NOTES**

NO.	DATE	REVISION	BY	CHKD.	APPR.



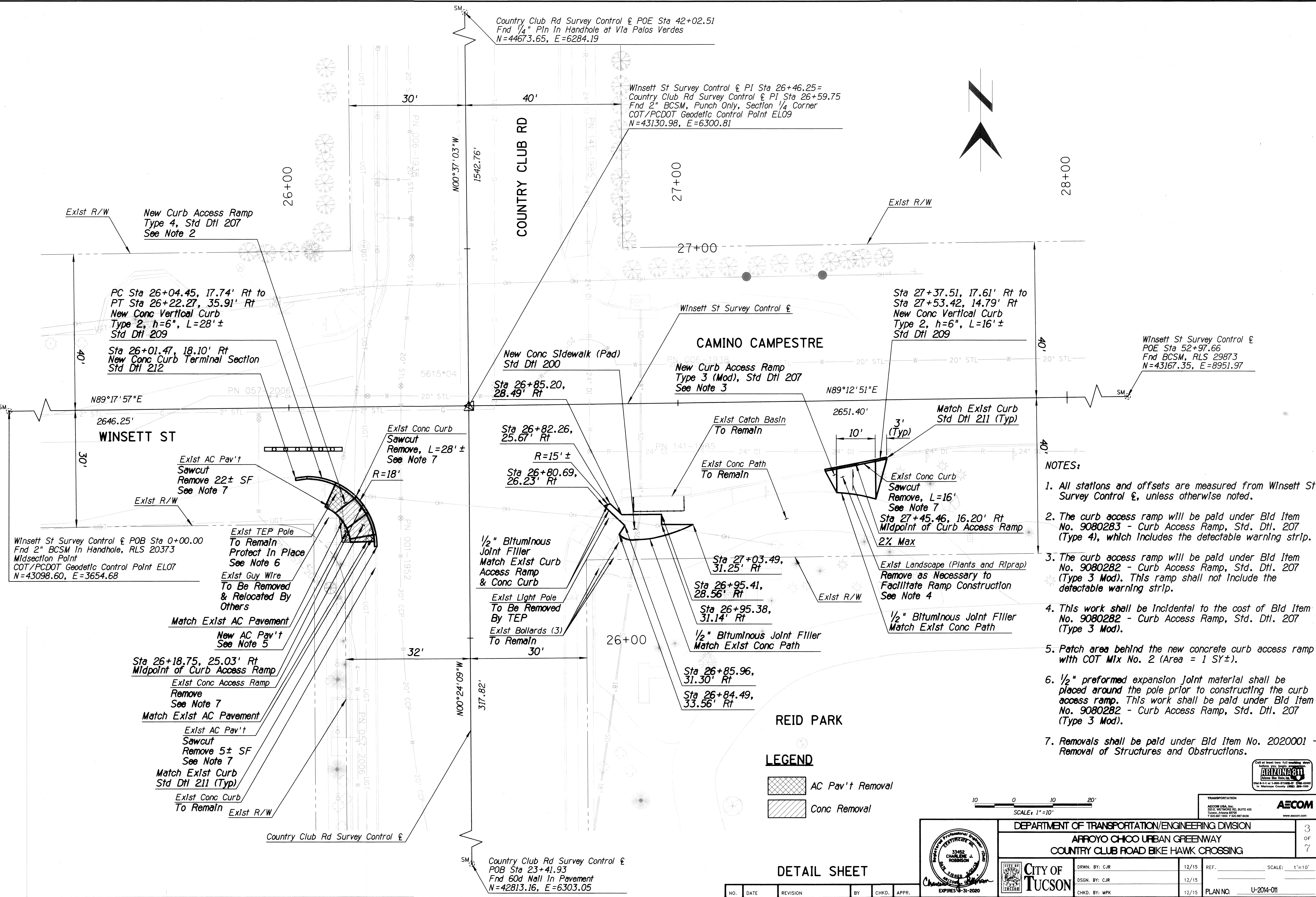
		DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION ARROYO CHICO URBAN GREENWAY COUNTRY CLUB ROAD BIKE HAWK CROSSING		2 OF 7
		DRWN. BY: CJR DSGN. BY: CJR CHKD. BY: MPK	12/15 12/15 12/15	
PLAN NO. U-2014-011		TRANSPORTATION AECOM USA, Inc. 3315 W. WILLOW RD., SUITE 400 TUCSON, ARIZONA 85710 T 520.987.1800 F 520.987.8438 www.aecom.com		



Country Club Rd Survey Control & POE Sta 42+02.51  
 Fnd 1/4" Pln In Handhole at Via Palos Verdes  
 N=44673.65, E=6284.19

Winsett St Survey Control & PI Sta 26+46.25=  
 Country Club Rd Survey Control & PI Sta 26+59.75  
 Fnd 2" BCSM, Punch Only, Section 1/4 Corner  
 COT/PCDOT Geodetic Control Point EL09  
 N=43130.98, E=6300.81

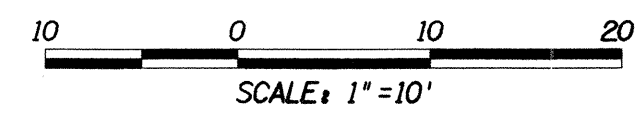
Winsett St Survey Control &  
 POE Sta 52+97.66  
 Fnd BCSM, RLS 29873  
 N=43167.35, E=8951.97



- NOTES:**
- All stations and offsets are measured from Winsett St Survey Control &, unless otherwise noted.
  - The curb access ramp will be paid under Bid Item No. 9080283 - Curb Access Ramp, Std. Dtl. 207 (Type 4), which includes the detectable warning strip.
  - The curb access ramp will be paid under Bid Item No. 9080282 - Curb Access Ramp, Std. Dtl. 207 (Type 3 Mod). This ramp shall not include the detectable warning strip.
  - This work shall be incidental to the cost of Bid Item No. 9080282 - Curb Access Ramp, Std. Dtl. 207 (Type 3 Mod).
  - Patch area behind the new concrete curb access ramp with COT Mix No. 2 (Area = 1 SY±).
  - 1/2" preformed expansion joint material shall be placed around the pole prior to constructing the curb access ramp. This work shall be paid under Bid Item No. 9080282 - Curb Access Ramp, Std. Dtl. 207 (Type 3 Mod).
  - Removals shall be paid under Bid Item No. 2020001 - Removal of Structures and Obstructions.

**LEGEND**

- AC Pav't Removal
- Conc Removal



**AECOM**

TRANSPORTATION  
 AECOM USA, Inc.  
 200 E. WETMORE RD, SUITE 400  
 TUCSON, ARIZONA 85705  
 T 520.887.1000 F 520.887.8038

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ARROYO CHICO URBAN GREENWAY  
 COUNTRY CLUB ROAD BIKE HAWK CROSSING

DRWN. BY: CJR	12/15	REF.	SCALE: 1"=10'
DSGN. BY: CJR	12/15		
CHKD. BY: MPK	12/15	PLAN NO.	U-2014-011

**DETAIL SHEET**

NO.	DATE	REVISION	BY	CHKD.	APPR.

PLOTTED BY: Keshner-H  
 Date Plotted: 5/7/2018  
 Time Plotted: 2:23:53 PM  
 Filename: T:\08336824\_Minsett\_Bikehawk\_908-Work\918-CAD\28-SHEETS\U-2014-011.dwg

**TRAFFIC SIGNAL GENERAL NOTES:**

1. All equipment/materials and construction shall meet or exceed the requirements contained in the current Pima County/City of Tucson (PC/COT) "Standard Specifications for Public Improvements" and "Standard Details for Public Improvements", the Supplemental Specifications, and the plans.
2. All pedestrian push button assemblies shall meet ADA requirements. The signs that shall be used are identified in the latest edition of the MUTCD as R10-3b.
3. The Bicycle/Pedestrian Crossing Signs shall be installed such that the bottom of the signs are no less than 17 feet above the roadway pavement or no less than 16 feet above the finished grade beyond the shoulder, bike lane, or multi-use lane.
4. The exact location of each new pole foundation, pull box, controller cabinet foundation, and electric service pedestal foundation shall be approved by the Engineer prior to installation.
5. The top of the pole foundation shall be level with the finished grade.
6. Only new conduit and cable shall be installed.
7. Conduit shall not be installed shallower than 30 inches below finished grade.
8. All conduit installed shallower than 30 inches below finished grade shall be encased in concrete per Standard Specification 732-3.01 (G).
9. All conduits shall be cleaned by compressed air and a properly sized conduit piston or mandrel prior to cable installation.
10. Conduit installed under existing paved driveways that are not scheduled to be reconstructed as part of this project shall be installed by means of boring.
11. Pull boxes shall not be installed within concrete curb access ramps. In addition, any pull boxes installed behind curbs shall be installed between the curb and the proposed/future sidewalk or beyond the proposed/future sidewalk. An exception to this note would be pull boxes installed in a median. Any pull boxes installed along an uncurbed roadway shall be installed adjacent to, but not within, the shoulder.
12. A 3/4 inch x 10 feet ground rod shall be installed in the No. 7 pull box (with the extension) adjacent to the controller cabinet. Two ground rod clamps shall be furnished for grounding the wire.
13. The high voltage cables should be separated from the low voltage cables as much as possible.
14. The Tucson Electric Power (TEP) Company Public Improvement Coordinator (918-8359) shall be contacted by the contractor to verify the location of the electrical service connection at each intersection. The contractor shall be responsible for excavating the trench and installing any necessary sleeves under sidewalks or driveways in which the electric service cable in conduit (CIC) is to be installed by TEP.
15. All indications, luminaires, and illuminated street signs shall be LED. Luminaires shall be Autobahn 80 LED with 750 mA driver, 3500K or equal.
16. IMSA cables shall be installed unspliced between the controller and the terminal block of each pole. The outer cable jacket shall not be removed at the hand hole height.

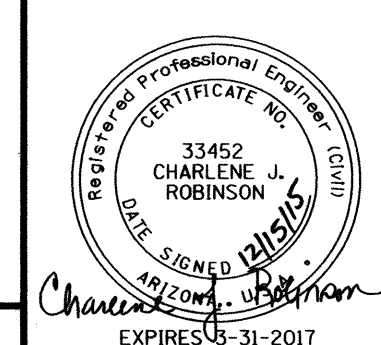
**RESPONSIBILITIES:**

1. The contractor shall install the following City supplied equipment and materials: traffic signal controller cabinet with controller. The contractor shall supply and install the following equipment and materials as specified in the plans: Steel pole anchor bolts (with nuts and washers), concrete pole foundations with reinforcement (where specified), controller cabinet concrete foundation, concrete pull boxes, electrical conduit, ground rods and connectors, bare bond wire and all other conductors, poles, mast arms, traffic signals and mounting assemblies, pedestrian signals and mounting assemblies, pedestrian push button stations with signs, luminaires, photocells, all auxiliary equipment, and all other appurtenances necessary for the operation of the traffic signal installation, except as modified in the plans.
2. The contractor shall pick up and transport the traffic controller cabinet from the City of Tucson Streets and Traffic Maintenance Division Yard to the Intersection. Contact Paul Burton (791-3191) at least 48 hours in advance of pickup.
3. The contractor shall install each traffic controller cabinet on its foundation and route all of the conductors into the controller cabinet. The City of Tucson Streets and Traffic Maintenance Division staff shall terminate the conductors in the controller cabinet.

PLOTTED BY: RobersonC  
 Date Plotted: 12/15/15 5:07:41 PM  
 Title: Traffic Signal  
 File Name: P:\60330424\_Minnett\_Bikehawk\_900-Work\_910-CAD\20-SHEETS\160424signotes.dgn

**TRAFFIC SIGNAL GENERAL NOTES**

NO.	DATE	REVISION	BY	CHKD.	APPR.



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION ARROYO CHICO URBAN GREENWAY COUNTRY CLUB ROAD BIKE HAWK CROSSING		4 OF 7
CITY OF <b>TUCSON</b>	DRWN. BY: CJR DSGN. BY: CJR CHKD. BY: MPK	REF. SCALE: NTS 12/15 12/15 12/15 PLAN NO. U-2014-011



TRANSPORTATION  
 AECOM USA, Inc.  
 231 E. WILLOW RD, SUITE 400  
 TUCSON, ARIZONA 85710  
 T 520.887.1800 F 520.887.8438  
 www.aecom.com

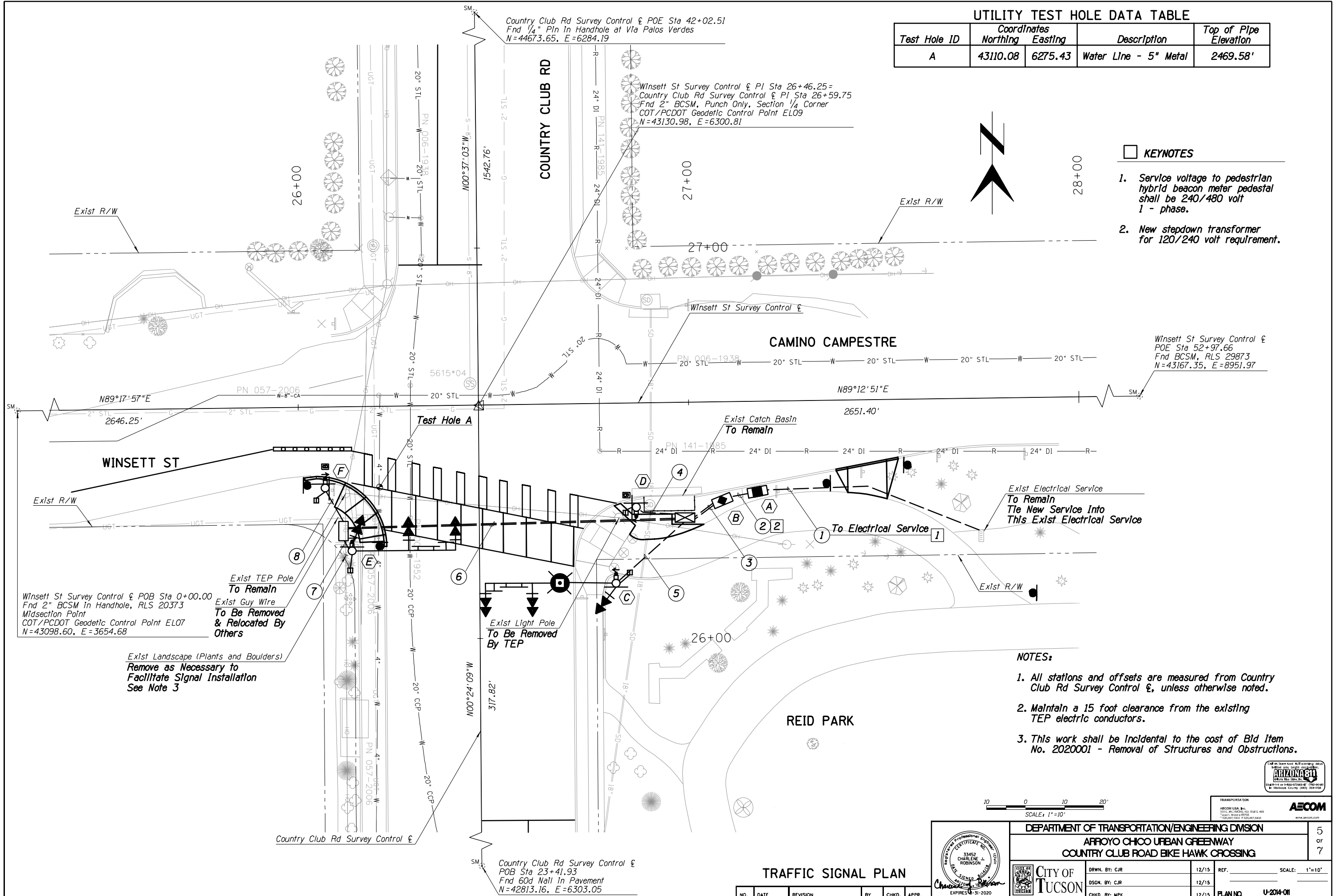


UTILITY TEST HOLE DATA TABLE

Test Hole ID	Coordinates		Description	Top of Pipe Elevation
	Northing	Easting		
A	43110.08	6275.43	Water Line - 5" Metal	2469.58'

KEYNOTES

- Service voltage to pedestrian hybrid beacon meter pedestal shall be 240/480 volt 1 - phase.
- New stepdown transformer for 120/240 volt requirement.



Winsett St Survey Control & POE Sta 52+97.66  
 Fnd BCSM, RLS 29873  
 N=43167.35, E=8951.97

Winsett St Survey Control & POB Sta 0+00.00  
 Fnd 2" BCSM in Handhole, RLS 20373  
 Midsection Point  
 COT/PCDOT Geodetic Control Point EL07  
 N=43098.60, E=3654.68

Exist Landscape (Plants and Boulders)  
 Remove as Necessary to  
 Facilitate Signal Installation  
 See Note 3

Exist TEP Pole  
 To Remain  
 Exist Guy Wire  
 To Be Removed  
 & Relocated By  
 Others

Exist Light Pole  
 To Be Removed  
 By TEP

NOTES:

- All stations and offsets are measured from Country Club Rd Survey Control &, unless otherwise noted.
- Maintain a 15 foot clearance from the existing TEP electric conductors.
- This work shall be incidental to the cost of Bid Item No. 2020001 - Removal of Structures and Obstructions.



SCALE: 1" = 10'

TRANSPORTATION  
 AECOM USA, INC.  
 2015 L.W. TRAVIS BLVD. SUITE 400  
 CHANDLER, ARIZONA 85226  
 TEL: 480.770.0000  
 WWW.AECOM.COM

AECOM

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION  
 AFROYO CHICO URBAN GREENWAY  
 COUNTRY CLUB ROAD BIKE HAWK CROSSING

5 OF 7

CITY OF TUCSON  
 DRWN. BY: CJR 12/15  
 DSGN. BY: CJR 12/15  
 CHKD. BY: MPK 12/15  
 REF. SCALE: 1"=10'  
 PLAN NO. U-2014-011

TRAFFIC SIGNAL PLAN

NO.	DATE	REVISION	BY	CHKD.	APPR.

PLOTTED BY: 9/13/2018  
 DATE PLOTTED: 4/18/21 PM  
 TIME PLOTTED: 11:58:39 AM  
 FILE NAME: Winsett\_Bikehawk\_908-Work\918-CAD\28-SHEETS\0424.dgn

CABINET AND POLE SCHEDULE

TRAFFIC SIGNAL CONTROL		CONTROLLER		AUX. CONTROLLER		FOUNDATION	LUMINAIRE	REMARKS	LOCATION
CABINET	TYPE	TYPE	CONTROLLER	AUX. CONTROLLER					
A		METERED SERVICE PEDESTAL T 1801	ELECTRIC SERVICE PEDESTAL - MYERS MEUG-Q-M 100 C-UM	125 A 120/240V WITH 6 BREAKERS		T 1801	---	INSTALL 60A/2P CB SIGNAL INSTALL 30A/1P CB CKT1 INSTALL (2) 20A/1P SPARES (ADDRESS - 3094 E. WINSETT ST.)	LOCATE BY ENGINEER IN THE FIELD
B		M-49	TS-2 COT SUPPLIED	---		TO FIT CABINET**	---	CITY SUPPLIED CABINET AND CONTROLLER, CONTRACTOR INSTALLED	LOCATE BY ENGINEER IN THE FIELD
POLE		MAST ARM		SIGNALS		FOUNDATION	LUMINAIRE	REMARKS	LOCATION
NUMBER	TYPE	SIGNAL	LUMINAIRE	MOUNTING	FACE				
C		MOD F* MOD F* MOD F*	35'	20'	2 - II 1 - V 1 - XI T 901 T 903 T 909	2 - MOD F* 1 - MOD F* 1 - M/H T 801 T 804	PED. 1-2" ADA BUTTON R10-3b(R)	CONTRACTOR SUPPLIED AND INSTALLED POLE, MAST ARMS, MOUNTING ASSY., SIGNALS, PUSHBUTTON ASSY., LUMINAIRE (LED), ANCHOR BOLTS, AND PHOTO ELECTRIC CELL	STA 26+14+, 35'± RT COUNTRY CLUB RD
D		BIKES WAIT/BIKES OK	10'	---	1 - XI T 909	1 - BIKES WAIT/BIKES OK SEE SPECIAL PROVISIONS	PED. 1-2" ADA BUTTON R10-3b(L)	CONTRACTOR SUPPLIED AND INSTALLED POLE, MOUNTING ASSY., SIGNALS, PUSHBUTTON ASSY., AND ANCHOR BOLTS	STA 26+33+, 40'± RT COUNTRY CLUB RD
E		MOD F* MOD F* MOD F*	25'	---	2 - II 1 - V 1 - XI T 901 T 903 T 909	2 - MOD F* 1 - MOD F* 1 - M/H T 801 T 804	PED. 1-2" ADA BUTTON R10-3b(L)	CONTRACTOR SUPPLIED AND INSTALLED POLE, MAST ARMS, MOUNTING ASSY., SIGNALS, PUSHBUTTON ASSY., AND ANCHOR BOLTS	STA 26+23+, 33'± LT COUNTRY CLUB RD
F		BIKES WAIT/BIKES OK	10'	---	1 - XI T 909	1 - BIKES WAIT/BIKES OK SEE SPECIAL PROVISIONS	PED. 1-2" ADA BUTTON R10-3b(L)	CONTRACTOR SUPPLIED AND INSTALLED POLE, MOUNTING ASSY., SIGNALS, PUSHBUTTON ASSY., AND ANCHOR BOLTS	STA 26+39+, 39'± LT COUNTRY CLUB RD

\* MOD F SIGNAL INDICATIONS SHALL BE: TWO RED LED BALLS AND ONE YELLOW LED BALL. SEE MODIFIED F FACE DETAIL, THIS SHEET.  
\*\* CONTACT PAUL BURTON AT 791-3191 FOR CABINET DETAILS.

CONDUIT AND CONDUCTOR SCHEDULE

AWG	CONDUIT RUN NUMBERS							
	1	2	3	4	5	6	7	8
	2 1/2	3	(2) 4	3	3	(2) 4	3	3
	CONDUIT SIZE IN INCHES							
	CIRCUIT PHASE							
#6								
#10								
#4								
3 COND								
3 COND								
VIDEO CAMERA								
#8								
4 COND								

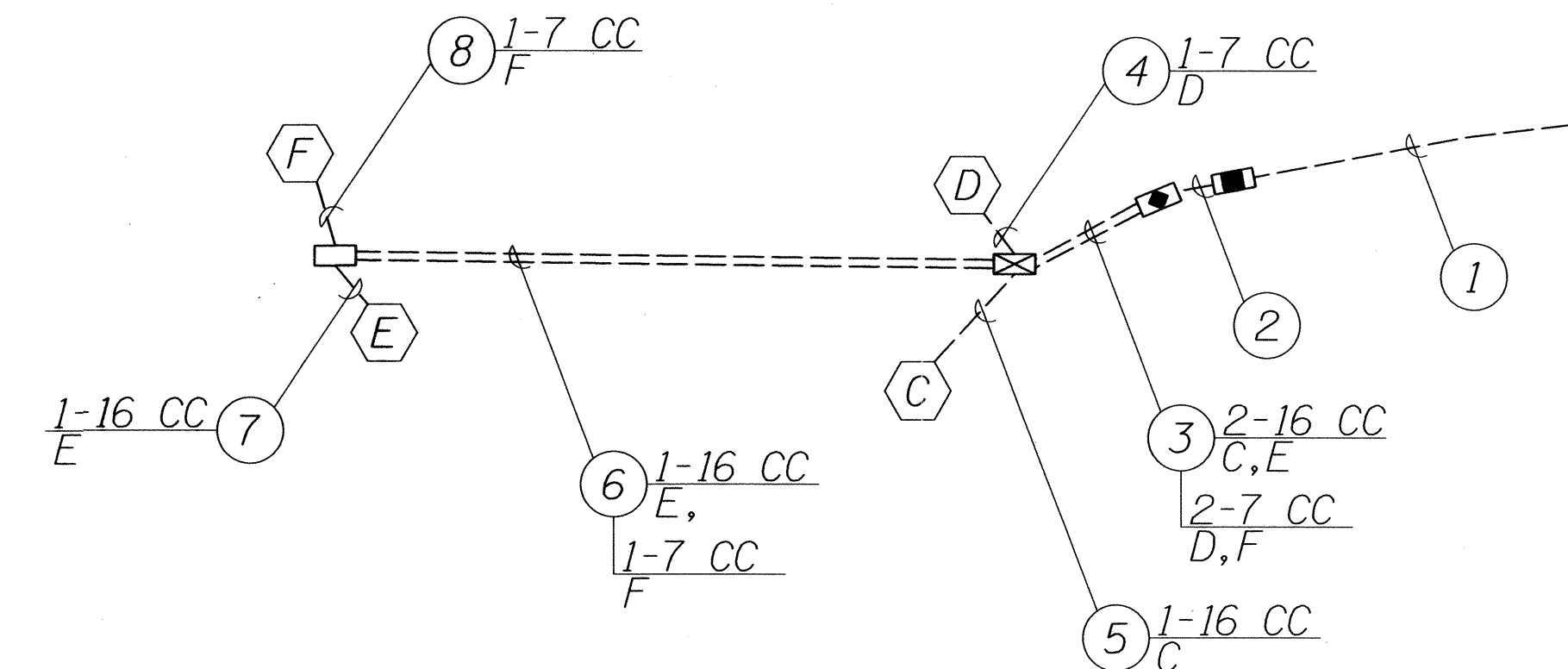
SYMBOL LEGEND

		LUMINAIRE MAST ARM, POLE, POLE BASE
		LUMINAIRE MAST ARM, POLE, POLE BASE, PHOTO ELECTRIC CELL
		NO. 7 PULL BOX
		NO. 7 PULL BOX WITH EXTENSION
		NO. 3 1/2 PULL BOX
		CONDUIT, UNDERGROUND
		X = CONDUIT RUN NUMBER, REFER TO CONDUIT SCHEDULE
		LETTER INDICATES KEYNOTE DESIGNATION
		MODIFIED F SIGNAL HEAD
		CROSSWALK SIGN
		PEDESTRIAN PUSH BUTTON
		MAN/HAND OR BIKES WAIT/BIKES OK SIGNAL

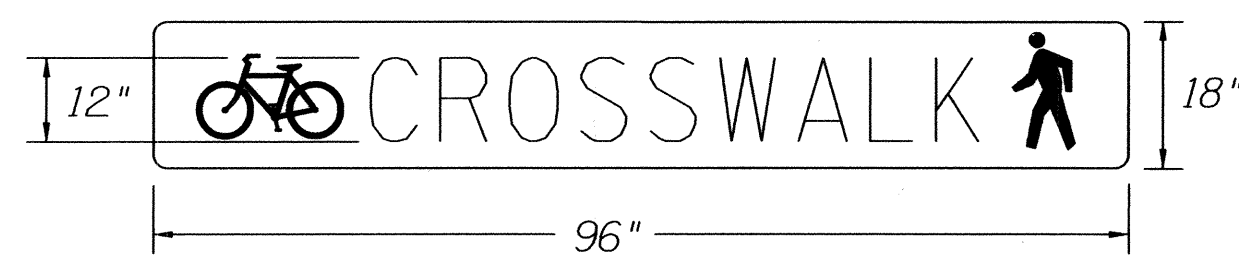
FOR SYMBOLS NOT SHOWN REFER TO CITY OF TUCSON STANDARD DETAIL 100

NOTES

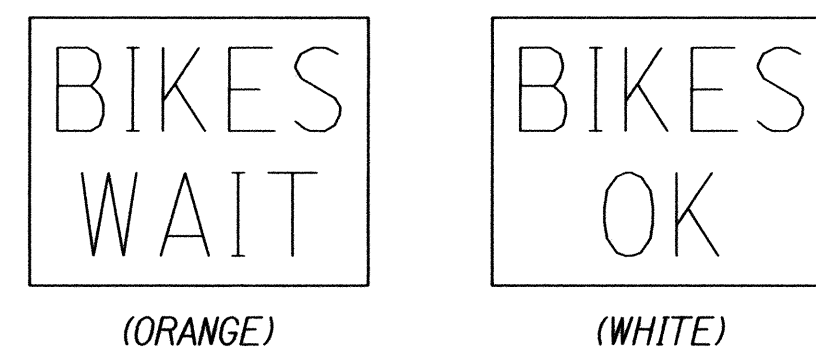
- ALL LUMINAIRES SHALL HAVE PHOTOCELL RECEPTACLES. ALL PHOTOCELL RECEPTACLES SHALL HAVE SHORTING CAP.
- FOR POLES C AND E, PEDESTRIAN PUSH BUTTON TO BE 42" ABOVE FINISH GRADE TO CENTER OF PUSH BUTTON.
- FOR POLES D AND F, BICYCLE PUSH BUTTON TO BE 42" ABOVE FINISH GRADE TO CENTER OF PUSH BUTTON.
- FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON SIGNS R10-3b(L) and R10-3b(R) PER THE LATEST EDITION OF THE MUTCD AS ADOPTED BY COT.
- ALL TRAFFIC SIGNAL FACE, PEDESTRIAN SIGNAL, AND BICYCLE SIGNAL INDICATIONS SHALL BE LED.
- PEDESTRIAN SIGNALS SHALL HAVE COUNTDOWN DISPLAY.
- INTERNALLY ILLUMINATED CROSSWALK SIGNS SHALL BE MOUNTED ON SIGNAL MAST ARM WITH ZAP BRACKETS AND CONNECTED TO INTERSECTION STREET LIGHTING CIRCUIT. SIGN SHALL BE BLACK ON YELLOW BACKGROUND.
- BIKES WAIT/BIKES OK SIGNAL FACE TO BE THE SAME SIZE AS THE PEDESTRIAN MAN/HAND SIGNAL FACE. ITEM TO BE PAID FOR UNDER BID ITEM NO. 7330205 - TRAFFIC SIGNAL FACE (BIKES WAIT/BIKES OK).



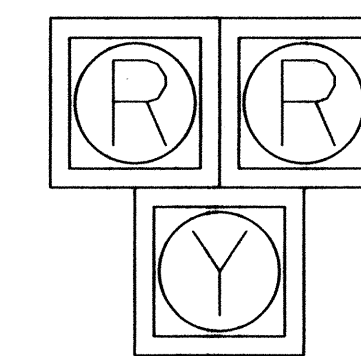
IMS/CONDUIT DIAGRAM  
NTS



INTERNALLY ILLUMINATED CROSSING SIGN DETAIL  
NTS



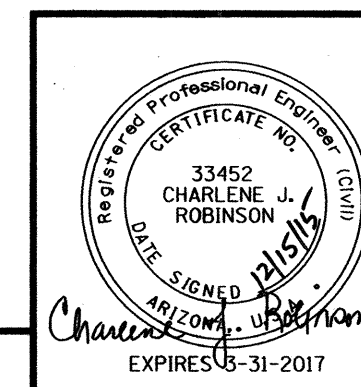
BIKES WAIT/BIKES OK ILLUMINATED MESSAGE DETAIL  
NTS



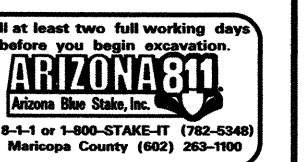
MODIFIED F FACE DETAIL  
NTS

TRAFFIC SIGNAL POLE & CONDUCTOR SCHEDULE

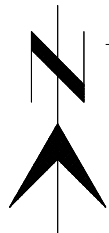
NO.	DATE	REVISION	BY	CHKD.	APPR.



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION AFROYO CHICO URBAN GREENWAY COUNTRY CLUB ROAD BIKE HAWK CROSSING		6 OF 7
CITY OF TUCSON DRWN. BY: CJR DSGN. BY: CJR CHKD. BY: MPK	12/15 12/15 12/15	REF. SCALE: NTS PLAN NO. U-2014-011



PLOTTED BY: 12/14/2015 4:33:50 PM  
 Data Plotted: 4:33:50 PM  
 File Name: P:\60330424\_Minsatt\_Bikehawk\920-Work\910-CAD\20-SHEETS\h0424sp01.dgn



Sta 28+04, 22' ± Lt  
W11-15 (36"x36")  
PL=12'

Sta 26+96 to 28+96  
WS8

Sta 26+96  
WS12

Sta 26+46 ± to Sta 26+96 ±  
Exist Striping (Typ)  
Obillterate 50' ±

24"x8' Bike Green Thermoplastic  
Stripe Aligned with New  
High Visibility Crosswalk (Typ)

Sta 26+48, 29' ± Lt to Sta 26+48, 33' ± Lt  
WS12

Sta 26+49, 33' ± Lt to Sta 26+49, 53' ± Lt  
Mountable Curb w/Flexible Delineators, L=20'  
See Note 4

19' ± SY Bike Green  
Preformed Thermoplastic

Winsett St Sta 25+42, 21' ± Rt to Sta 25+93, 11' ± Rt  
WG4 (3x9)

Winsett St Sta 24+97 ±,  
10' ± Rt  
Bike Wayfinding Legend

Winsett St Sta 25+36 ±, 6' ± Rt  
Bike Wayfinding Legend  
See Detail on This Sheet (Typ)

WINSETT ST  
Winsett St Sta 25+59 ±, 19' ± Rt  
Bike Wayfinding Legend

Winsett St Survey Control & POB Sta 0+00.00  
Fnd 2" BCSM in Handhole, RLS 20373  
Midsection Point  
COT/PCDOT Geodetic Control Point EL07  
N=43098.60, E=3654.68

Winsett St Sta 25+81 ±, 15' ± Rt  
Bike Wayfinding Legend

Sta 26+46 ±, 52' ± Lt  
Bike Wayfinding Legend

Sta 26+44 ±, 48' ± Lt  
Bike Wayfinding Legend

Sta 26+40, 45' ± Lt  
R1-1 (30"x30") with  
Street Name Signs  
PL=11.5', See Note 6

R9-5 (12"x18")  
R9-5 (24"x30")  
Band to Signal Pole

Sta 26+38, 37' ± Lt  
Exist R1-1 Sign  
Remove and Salvage

R10-23 (24"x36")  
Band to Signal Pole

Sta 26+26, 26' Lt  
Exist W11-2 Sign  
Remove and Salvage

Bike/Ped Crossing Sign (96"x18")  
Attach to Mast Arm

R10-23 (48"x48")  
Attach to Mast Arm

New High Visibility Crosswalk per Sht 2-8 of  
PC/COT Pavement Marking Design Manual

Country Club Rd Survey Control & POE Sta 42+02.51  
Fnd 1/4" Pin in Handhole at Via Palos Verdes  
N=44673.65, E=6284.19

Winsett St Survey Control & PI Sta 26+46.25=  
Country Club Rd Survey Control & PI Sta 26+59.75  
Fnd 2" BCSM, Punch Only, Section 1/4 Corner  
COT/PCDOT Geodetic Control Point EL09  
N=43130.98, E=6300.81

Sta 26+34, 35' ± Rt to  
Sta 26+36, 23' ± Rt  
WS12

Place 20' ± Barricade Railing  
Surrounding Curb Inlet  
Std Dtl 105, See Note 7

Winsett St Sta 26+96 ±, 32' ± Rt  
Bike Wayfinding Legend

Exist R/W

Winsett St Survey Control &  
Winsett St Sta 27+45 ±, 3' ± Lt  
Bike Wayfinding Legend

Winsett St Sta 27+64, 15' Rt  
Exist No Parking Sign  
To Remain

Winsett St Sta 27+82 ±, 8' ± Lt  
Bike Wayfinding Legend

Winsett St Sta 28+27 ±, 9' ± Lt  
Bike Wayfinding Legend

Winsett St Survey Control &  
POE Sta 52+97.66  
Fnd BCSM, RLS 29873  
N=43167.35, E=8951.97

CAMINO CAMPESTRE

Winsett St Sta 27+86, 14' Rt  
Exist Speed Humps Ahead Sign  
To Remain

Winsett St Sta 27+88 ±, 50' ± Rt  
Bike Crossing Sign (18"x12")  
M6-3 (12"x9")  
PL=10'

Winsett St Sta 27+44, 18' Rt  
Exist R2-1 Sign (25 mph)

Remove and Relocate to  
Winsett St Sta 27+56 ±, 17' ± Rt

Winsett St Sta 27+35 ±,  
21' ± Rt  
Bike Crossing Sign (18"x12")  
M6-3 (12"x9")  
PL=10'

Winsett St Sta 27+22, 23' Rt  
Exist Truck Restrictions Sign  
To Remain

Winsett St Sta 26+99 ±, 37' ± Rt  
Bike Wayfinding Legend

R9-5 (12"x18")  
R9-5 (24"x30")  
Band to Signal Pole

R10-23 (24"x36")  
Band to Signal Pole

Exist High Visibility Crosswalk  
Obillterate 200' ±

Sta 26+10,  
26' ± Rt  
W11-15 (36"x36")  
See Note 8

CROSSWALK  
Bike/Ped Crossing Sign (96"x18")  
Attach to Mast Arm

R10-23 (48"x48")  
Attach to Mast Arm

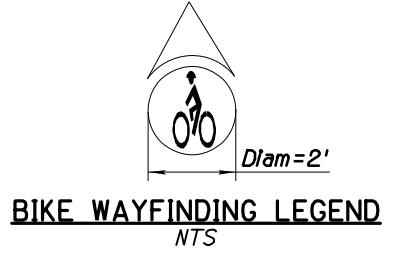
Sta 23+85 to 25+53  
WS8

Sta 24+68, 26' ± Rt  
W11-15 (36"x36")  
PL=12'

Country Club Rd Survey Control &  
POB Sta 23+41.93  
Fnd 60d Nail in Pavement  
N=42813.16, E=6303.05

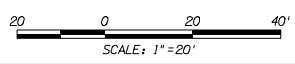
COUNTRY CLUB RD

REID PARK



NOTES:

1. All stations and offsets are measured from Country Club Rd Survey Control &, unless otherwise noted.
2. PL=Post Length.
3. Refer to Sheets 6-4.1 & 6-4.2 In the COT Pavement Marking Design Manual for additional information on Bike HAWK signing and pavement marking (April 2014 Revision).
4. Mountable Curb w/Flexible Delineators system shall be white and must be approved by COT Traffic before installation. Item to be paid for under Bid Item No. 9300115 - Miscellaneous Work 5 (Mountable Curb w/Flexible Delineators), paid for on a linear foot basis.
5. See Sheet 3 for curb access ramp details.
6. Re-Install street names signs on top of sign post.
7. Barricade railing shall be offset approximately one foot from concrete catch basin.
8. Remove and salvage existing sign panel. Install new sign panel on the existing post. This work to be paid under Bid Item 2020001 - Removal of Structures and Obstructions



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

APPOYO CHICO URBAN GREENWAY

COUNTRY CLUB ROAD BIKE HAWK CROSSING

DRWN. BY: CJR 12/15 REF. SCALE: 1"=20'

DSGN. BY: CJR 12/15  
CHKD. BY: MPK 12/15  
PLAN NO. U-204-01



PAVEMENT MARKING/  
SIGNING PLAN

NO.	DATE	REVISION	BY	CHKD.	APPR.

PLOTTED BY: [Name]  
DATE: [Date]  
PLOTTER: [Model]



AECOM