



Yuma County Department of Engineering

TO: All Known Contractors, Plan Holders, & Other Interested Parties
FROM: Dave Wostenberg, P.E., Project Manager
SUBJECT: Addendum No. 1
PROJECT: Avenue A & County 15th St, CIP 1.9915E
DATE: August 20, 2020

Schedule for bid opening is on *August 27, 2020* at 1:30 p.m. (MST)

In accordance with the Project Specifications and Contract Documents, Bidders on the above referenced Project are hereby notified that this Addendum shall be made a part of the Project Specifications and Contract Documents and the Bidder shall acknowledge receipt on Page PK1 of the Proposal Pamphlet.

REVISIONS/CLARIFICATIONS TO THE PLANS:

Additional siphon and canal details added to plans. Structural backfill shall be considered incidental to siphon replacement. Sheet 24 has been revised and Sheet 24A has been added. Remove Sheet 24 from your Plan Set and insert Addendum #1 Plan revisions and be guided accordingly.

REVISIONS/CLARIFICATIONS TO THE SPECIFICATIONS:

Changes have been made to Sections 107, 504 and 607. Attached are revised pages SP 4 – SP 5 and SP 21 to SP 23. Remove pages SP 4 – SP 5, SP 21 – SP 23 and replace with these revised pages and be guided accordingly.

REVISION TO THE BID SCHEDULE:

Attached is the revised Bid Schedule Sheet PK 2 – PK 3 of 7. Remove the Bid Schedule from your Proposal Pamphlet, insert the revised Bid Schedule and be guided accordingly.

Question #1: Per plan pages PP02 and PP03 states to remove and relocate fence, are we reusing existing fence, or can it be replaced with chain link fence?

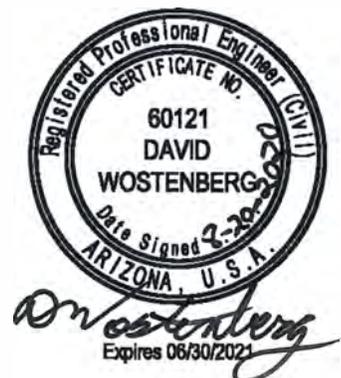
Answer #1: Fence removal and relocation was done by owner. No Fence removal or relocating is needed under this contract. Bid Schedule has been revised to reflect a 0 quantity.

Question #2: What is the type of Pedestrian Crossing required by Yuma County for this project?

Answer #2: There is minimal to no pedestrian traffic at this intersection. No pedestrian signals and/or push buttons are included as part of this contract.

ATTACHMENTS:

Revised Plan Sheets 24 & 24A
Revised Specifications SP 4, 5 & 21 - 23
Revised Bid Schedule Sheet. PK 2-3 of 7 (Addendum#1)



BID SCHEDULE**ADDENDUM #1****08/20/2020**

Project: County 15th St - Avenue A Intersection Improvement Project, CIP No. 1.9915E

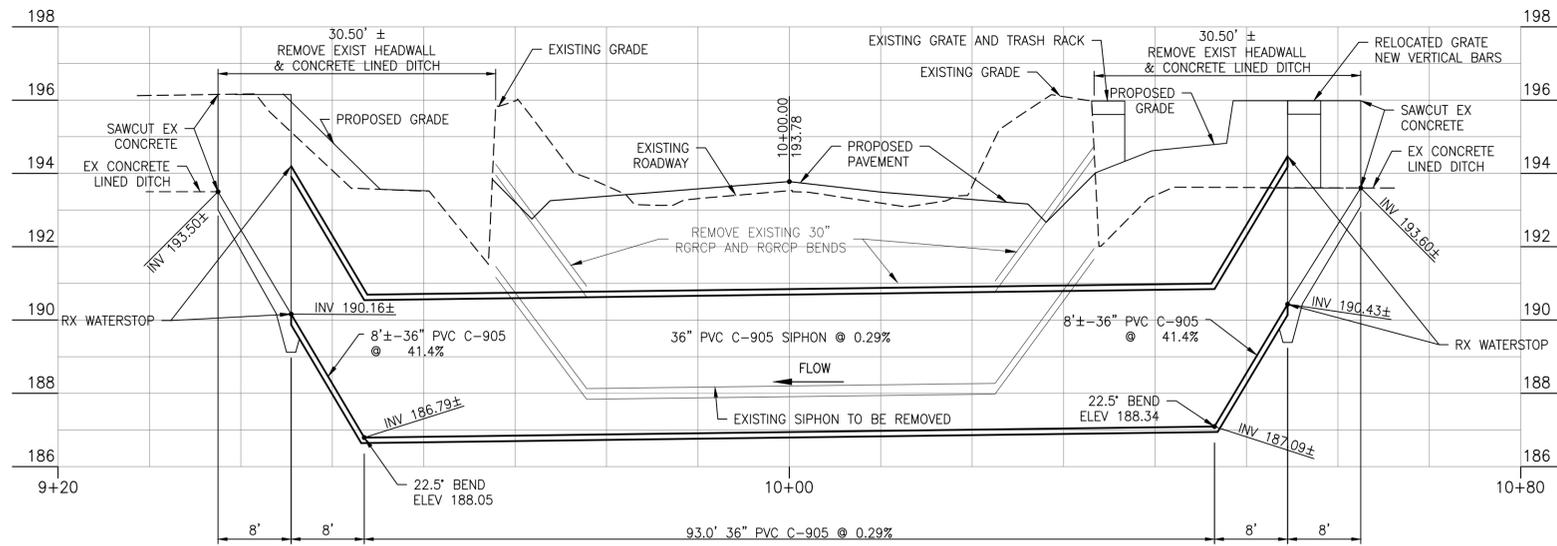
For: Yuma County

Item No.	Item Description	Unit	Qty	Unit Price	Total
2010100	TREE PRUNING AND TRIMMING	LS	1		
2020040	REMOVE ASPHALTIC CONCRETE PAVEMENT	SY	992		
2020055	REMOVE AND SALVAGE SIGN	EA	16		
2020100	REMOVE AND RELOCATE FENCE	LF	0		
2020201	SAWCUTTING	LF	3,766		
2030302	ROADWAY EXCAVATION	CY	1,733		
3030110	AGGREGATE BASE – 6” DEPTH (Sec 310)	SY	3,231		
3030111	AGGREGATE BASE – 10” DEPTH (Sec 310)	SY	3,980		
3400001	NEW TYPE "A" CURB	LF	292		
3400005	REMOVE AND REPLACE CONCRETE DRIVEWAY	SF	580		
4010003	TRAFFIC CONTROL	LS	1		
4060010	MILL ASPHALT PAVEMENT - 0" TO 2" DEPTH (Sec 321)	SY	733		
4060023	ASPHALTIC CONCRETE PAVEMENT, INITIAL/BASE COURSE, TYPE C, 3/4" MIX – 2” DEPTH (Sec 321)	SY	3,676		
4060024	ASPHALTIC CONCRETE PAVEMENT, SURFACE COURSE, TYPE C, 3/4" MIX – 2” DEPTH (Sec 321)	SY	10,047		
4060025	ASPHALTIC CONCRETE DRIVEWAY PAVEMENT, SURFACE COURSE, TYPE C, 3/4" MIX – 3” DEPTH (Sec 321)	SY	130		
5040992	FURNISH AND CONSTRUCT IRRIGATION SIPHON REPLACEMENT	LS	1		
6070038	SLIP BASE (ADOT DTL S-3)	EA	16		
6070057	SIGN POST (PERFORATED)(2 ½ T)	LF	178		
6070060	FOUNDATION FOR SIGN POST (CONCRETE)	EA	16		
6080001	FURNISH AND INSTALL REGULATORY AND WARNING SIGN PANEL, TYPE XI SHEETING, ADOT SPEC 608 & 1007	SF	129		
6080120	FURNISH AND INSTALL STREET NAME SIGNS ON TRAFFIC SIGNAL POLE	SF	52		
7015052	OBLITERATE PAVEMENT MARKING	LF	1,000		
7040003	FURNISH AND INSTALL PAVEMENT MARKING, WHITE (4" EQUIVALENT), 0.090" THICK THERMOPLASTIC	LF	10,952		
7040005	FURNISH AND INSTALL PAVEMENT MARKING, YELLOW (4" EQUIVALENT), 0.090" THICK THERMOPLASTIC	LF	15,675		
7040074	FURNISH AND INSTALL PAVEMENT SYMBOL OR LEGEND, 0.090" THICK EXTRUDED THERMOPLASTIC ALKYD	EA	10		
7060001	INSTALL RAISED PAVEMENT MARKERS, REFLECTORIZED, TYPE D, YELLOW, 2-WAY	EA	447		
7060002	INSTALL RAISED PAVEMENT MARKERS, REFLECTORIZED, TYPE G, WHITE, 1-WAY	EA	168		
7080001	FURNISH AND INSTALL INTERIM PAVEMENT MARKING, YELLOW STRIPE, 4" WIDE	LF	6,048		
7080002	FURNISH AND INSTALL INTERIM PAVEMENT MARKING, WHITE STRIPE, 4" WIDE	LF	5,325		
7080003	FURNISH AND INSTALL INTERIM PAVEMENT MARKING SYMBOL OR LEGEND	EA	10		

BID SCHEDULE**ADDENDUM #1****08/20/2020**

7310130	INSTALL DEPARTMENT FURNISHED TYPE Q POLE WITH FOUNDATION, ADOT DETAIL TS 4-10	EA	3		
7310131	INSTALL DEPARTMENT FURNISHED TYPE R POLE WITH FOUNDATION, ADOT DETAIL TS 4-11	EA	1		
7310551	INSTALL DEPARTMENT FURNISHED TAPERED LUMINAIRE ARM, 20' LONG, ADOT DETAIL TS 4-26	EA	4		
7310590	INSTALL DEPARTMENT FURNISHED STRAIGHT TRAFFIC SIGNAL MAST ARM, 35' LONG, ADOT DETAIL TS 4-28	EA	3		
7310610	INSTALL DEPARTMENT FURNISHED STRAIGHT TRAFFIC SIGNAL MAST ARM, 45' LONG, ADOT DETAIL TS 4-28	EA	1		
7320056	FURNISH AND INSTALL 2" DIA SCHEDULE 40 PVC ELECTRICAL CONDUIT WITH PULL CORD IN TRENCH	LF	8		
7320060	FURNISH AND INSTALL 2.5" DIA SCHEDULE 40 PVC ELECTRICAL CONDUIT WITH PULL CORD IN TRENCH	LF	10		
7320071	FURNISH AND INSTALL 3" DIA SCHEDULE 40 PVC ELECTRICAL CONDUIT WITH PULL CORD IN TRENCH	LF	75		
7320074	FURNISH AND INSTALL 3" SCHEDULE 40 PVC ELECTRICAL CONDUITS WITH DIRECTIONAL DRILLING	LF	542		
7320420	FURNISH AND INSTALL NO 7 HD PULL BOX, 12" DEPTH, ADOT TS 1-2	EA	3		
7320421	FURNISH AND INSTALL NO 7 HD PULL BOX, 24" DEPTH, ADOT TS 1-2	EA	1		
7320650	FURNISH AND INSTALL TRAFFIC SIGNAL CONDUCTORS, ADOT TS 1-7	LS	1		
7330060	FURNISH AND INSTALL TYPE F TRAFFIC SIGNAL FACE ASSEMBLY, 12" LENS, LED, ADOT DETAIL TS 8-1	EA	8		
7330070	FURNISH AND INSTALL TYPE G TRAFFIC SIGNAL FACE ASSEMBLY, 12" LENS, LED, ADOT DETAIL TS 8-3	EA	8		
7330310	FURNISH AND INSTALL TYPE II MOUNTING ASSEMBLY, ADOT DETAIL TS 9-1	EA	8		
7330360	FURNISH AND INSTALL TYPE VII MOUNTING ASSEMBLY, ADOT DETAIL TS 9-1	EA	8		
7340101	FURNISH AND INSTALL COBALT ATC TRAFFIC CONTROLLER AND ECONOLITE P44 TS2 TYPE IV CONTROL CABINET, ADOT TS 3-9	EA	1		
7340105	FURNISH AND INSTALL CONTROL CABINET FOUNDATION, ADOT TS 2-4	EA	1		
7340120	FURNISH AND INSTALL METER PEDESTAL, CABINET, AND FOUNDATION, ADOT TS 2-6	EA	1		
7350101	FURNISH AND INSTALL VIDEO IMAGE VEHICLE TRACKING AND DETECTION SYSTEM (VIVTDS)	LS	1		
7360001	FURNISH AND INSTALL LED LUMINAIRE, HORIZONTAL MOUNT, TYPE 15L	EA	4		
7360002	FURNISH AND INSTALL UNINTERRUPTIBLE POWER SUPPLY (BATTERY BACKUP)	EA	1		
9010001	MOBILIZATION (Sec 403)	LS	1		
9240001	ESTABLISH ELECTRICAL SERVICE	FORCE ACCT	1		
				Total	

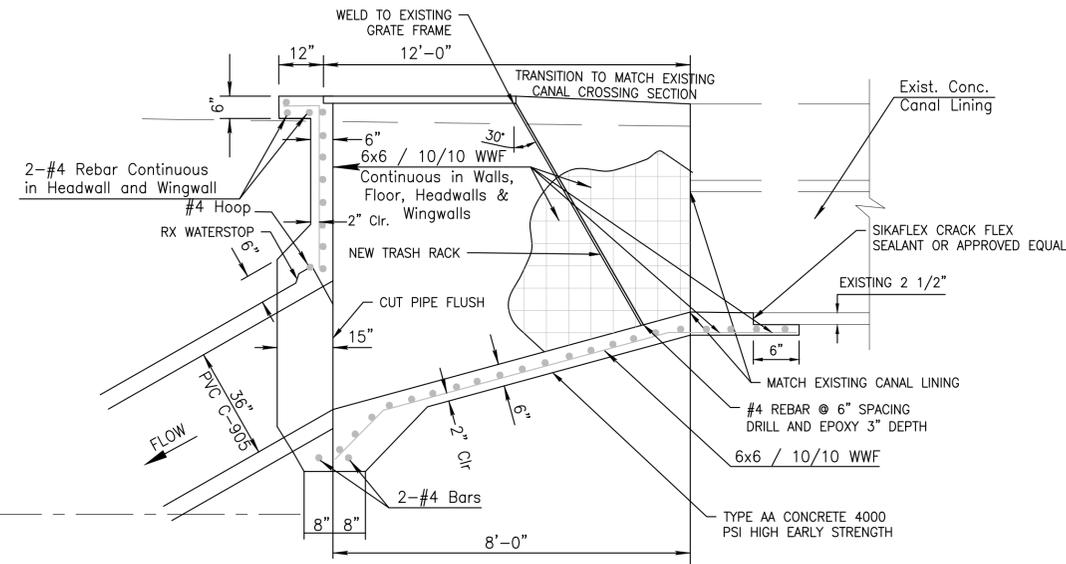
TOTAL BASE BID AMOUNT IN WORDS _____



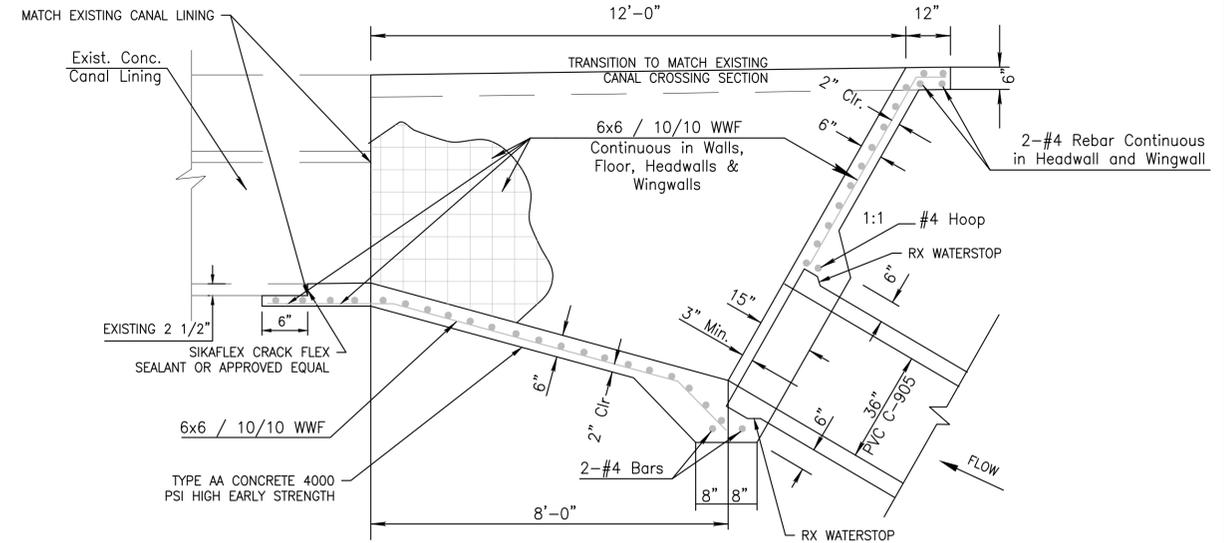
1 SIPHON REPLACEMENT PROFILE



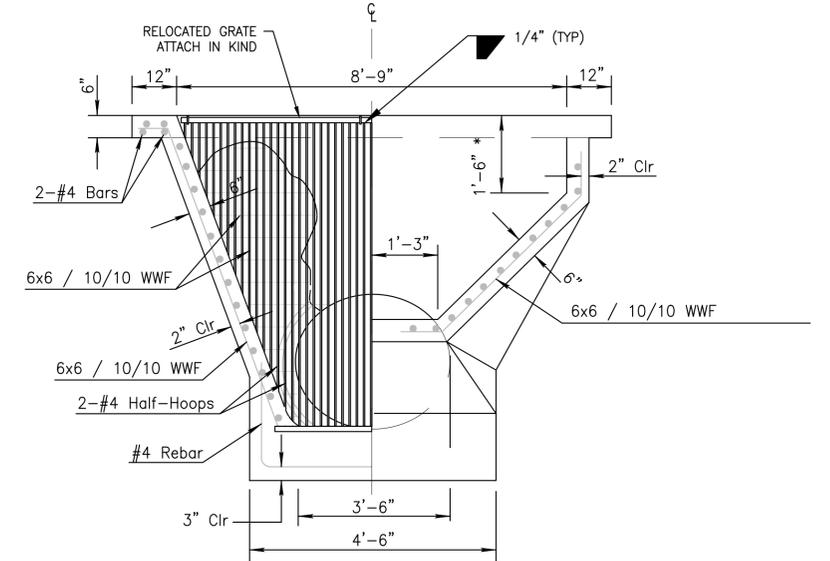
3 EXISTING GRATE/TRASH RACK



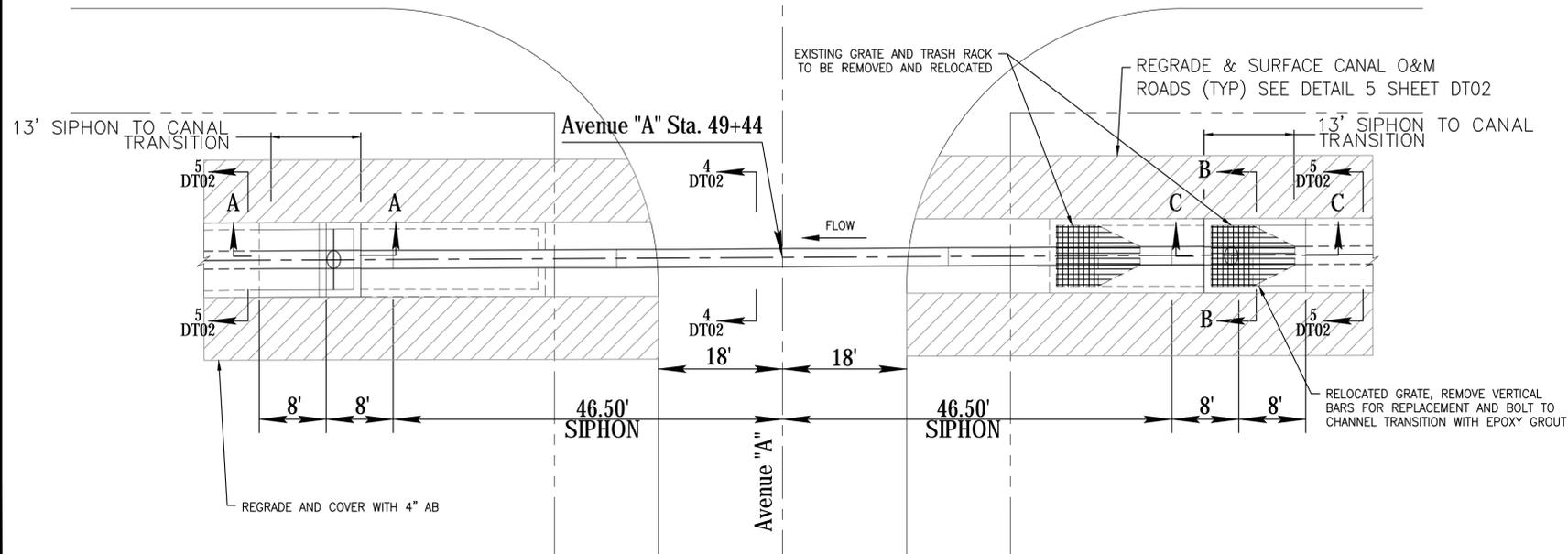
Section C-C INLET



Section A-A OUTLET



Section B-B INLET

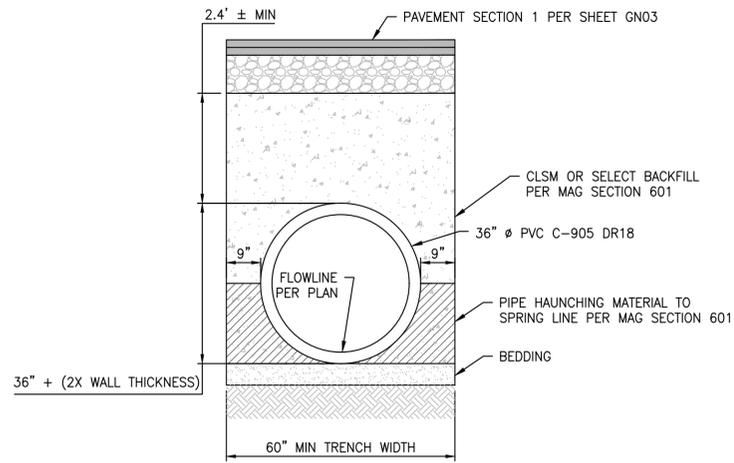


2 SIPHON REPLACEMENT PLAN

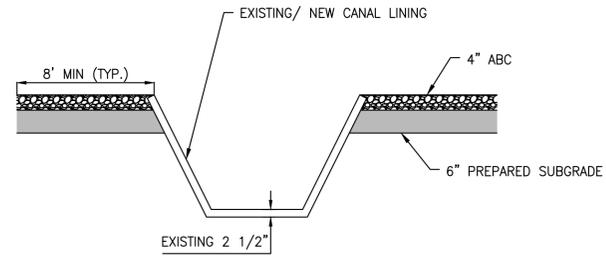
NOTES:
1. SEE SPECIAL PROVISIONS FOR LEAKAGE TEST REQUIREMENTS FOR SIPHON INSTALLATION

ADDENDUM #1

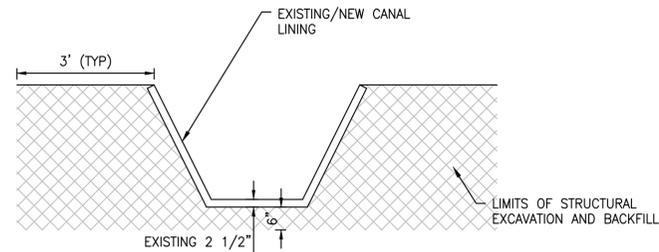
Contact Arizona 811 at least two full working days before you begin excavation. ARIZONA 811 Call 811 or click Arizona811.com	
08/17/2020	SIPHONE BEND ANGLE REVISED
DATE	DESCRIPTION
APPROVED	
RICK ENGINEERING COMPANY 6150 NORTH 16TH STREET PHOENIX, AZ 85016 602.957.3350 <small>Tucson - San Diego - Riverside - Orange - Sacramento - San Luis Obispo - Denver</small> <small>rickengineering.com</small>	
YUMA COUNTY DEPARTMENT OF ENGINEERING STATE OF ARIZONA COUNTY 15TH STREET - AVENUE A INTERSECTION IMPROVEMENT PROJECT SECTIONS SW 28, SE 29, NE 32 & NW 33	
DETAILS	
DATE: 07-14-2020	
DESIGN: SP	
DRAWN: MG	
CHECKED: SP	HORIZ SCALE: 1"=20'
RICK PROJ. No. 5069	VERT SCALE:
PURCHASE ORDER 150552	DT01
YUMA CO CIP NO. 1.9915-E	SHEET 24 OF 30



4 TRENCH DETAIL FOR 36" PVC C-905
SEE MAG SECTION 601
AND DETAIL 200-2



5 OPERATION & MAINTENCE ROAD DETAIL



6 STRUCTURAL EXCAVATION & BACKFILL

ADDENDUM #1

 <p>Contact Arizona 811 at least two full working days before you begin excavation. Call 811 or click Arizona811.com</p>		 <p>Expires: 12-31-2020</p>		
08/17/2020	SIPHONE BEND ANGLE REVISED	DATE	APPROVED	
 <p>RICK ENGINEERING COMPANY 6150 NORTH 16TH STREET PHOENIX, AZ 85016 602.957.3350</p> <p>Tucson - San Diego - Riverside - Orange Sacramento - San Luis Obispo - Denver rickengineering.com</p>		<p>YUMA COUNTY DEPARTMENT OF ENGINEERING STATE OF ARIZONA</p> <p>COUNTY 15TH STREET - AVENUE A INTERSECTION IMPROVEMENT PROJECT SECTIONS SW 28, SE 29, NE 32 & NW 33</p>		
DATE: 07-14-2020	<p>DETAILS COUNTY 15TH ST</p>			
DESIGN: SP				
DRAWN: MG	CHECKED: SP	HORIZ SCALE: 1"=20'	PURCHASE ORDER 150552	DT02
RICK PROJ. No. 5069	VERT SCALE:	YUMA CO CIP NO. 1.9915-E	SHEET 24A OF 30	

SECTION 106 CONTROL OF MATERIALS

Section 106 Control of Materials of the Standard Specifications is modified to add the following:

106.1 Source of Materials and Quality:

The Contractor shall be responsible for providing all materials to the project except the materials acquired in advance by Yuma County for this project. Materials to be provided by Yuma County are identified in the bid item description that starts: INSTALL DEPARTMENT FURNISHED..."

No time extensions or adjustments to the contract will be made due to lack of a materials source being available in close proximity to the project.

Any materials source used for the project shall be properly permitted as applicable. Upon request, the Contractor shall furnish documentation showing the materials source used for the project has current permits as required by local, County, State, or Federal regulations.

106.2 Tests and Acceptance of Materials:

The county will contract with an independent testing laboratory to sample and test materials incorporated into the project. Testing will include but is not limited to soil sampling, establishment of proctors, compaction testing, concrete sampling and testing, and the review of all mix designs. The testing laboratory is required to send one copy of all test results to Yuma County and one copy to the contractor. After the establishment of compactive effort on earth and aggregate (five tests maximum), any retesting due to failed tests will be at the Contractor's expense. A supplemental agreement will be executed at the conclusion of the contract to adjust the contract for the County's cost of retesting compaction.

SECTION 107 LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

Section 107 Legal Relations and Responsibility to Public of the Standard Specifications is modified to add the following:

107.2 Permits

A Storm Water Pollution Prevention Plan (SWPPP) is not required for this project. The contractor is required to install and maintain Best Management Practices to control erosion from storm water runoff.

107.6 Public Convenience and Safety:

The Contractor shall provide safety construction fencing around all open trenches, excavations, material and equipment storage yards and other work zones during all non-working hours and while unattended.

There will be no separate measurement or payment for furnishing, installing or maintaining protective fencing. The cost shall be considered incidental to the cost of the appurtenant work.

The contractor shall maintain local access to all side streets, access roads, driveways, alleys and parking lots at all times.

107.11 Contractor's Responsibility for Utility Property and Services Paragraph three is modified to:

It shall be the contractor's responsibility to provide seven (7) calendar days' notice to all appropriate governmental agencies and utility companies prior to starting work affecting their area of concern.

The Contractor shall provide schedule of work to BOR a minimum of 72 hours prior to start of work within BOR easement/right of way or adjacent to.

The Contractor's attention is called to the existence of overhead lines within, crossing and adjacent to the project. The Contractor at all times shall maintain the proper, safe, legal clearances to all overhead lines as required by federal, state and local regulations. During excavation, the Contractor will maintain a minimum of 5 feet of lateral clearance around the base of overhead line poles unless arrangements are made with APS to insure the integrity of the pole's foundation.

The following utility companies and irrigation entities have known facilities in conflict with the proposed construction, and anticipate certain adjustments and relocations:

<u>ORGANIZATION</u>	<u>CONTACT NAME</u>	<u>PHONE</u>	<u>EMAIL</u>
APS (electric)	Antonia Morales	(520) 227-3786	antonia.morales@aps.com
CenturyLink (telecom)	Ed S. Alupay	(928) 343-8943	ed.alupay@centurylink.com
Terra Technologies (telecom)	Kevin Wagner	(815) 245-9640	kwagner@terratechllc.net
Southwest Gas	Jim Larson	(928) 341-2604	james.larson@swgas.com
Unit B Irrigation District	Bryan Knight	(928) 627-8891	bryank@unitbirr.com
US Bureau of Reclamation (BOR)	Chris Patane	(928) 343-8367	cpatane@usbr.gov

107.12.1 Air Quality Non-Attainment Area:

This project is located within the Yuma PM10 Non-attainment Area for airborne dust particles. Prior to construction the Contractor will be required to submit for approval a Dust Control Plan. The plan must be able to reduce and maintain visible emissions from fugitive dust sources to a minimum daily. The plan should address the following mitigation action items:

- (A) Control for traffic emission from within the construction site.
- (B) Control of track out from unpaved areas of the construction site.
- (C) Control of emissions from haul trucks.
- (D) Dust control measures at all construction staging areas, detour routes and worksites.
- (E) Control of dust by the use of covers on all trucks hauling material to and from the project.

Measures to clean paved roads may include, but are not limited to water flushing, vacuum sweeping and manual cleaning of access points.

No measurement or direct payment will be made for this item, the cost being considered incidental to the project.

107.13.1 Right of Way/Property Acquired: Yuma County has obtained the right-of-way/property for the permanent project features. No construction activities are allowed to occur beyond the established right-of-way. Any damage to adjacent property due to construction or its related activities is the responsibility of the contractor.

107.16 Public Information and Notification:

The contractor shall provide written notification to the Yuma County Department of Engineering and each business and residence abutting the project site a minimum of two weeks prior to beginning construction. The contractor shall provide the proposed construction schedule, including anticipated work hours, contact personnel with telephone numbers, road restrictions, temporary fencing plans, equipment and material storage plans, anticipated utility disruptions or relocations, and any other pertinent information.

The contractor shall also provide written notification to each business and residence abutting the project site a minimum of two weeks prior to beginning construction. The notice shall address the proposed construction schedule, contact personnel with telephone numbers, temporary fencing plans, equipment and material storage plans, anticipated utility disruptions or relocations, and any other pertinent information. A second notice containing the same information shall be provided to each business and residence abutting the project site two (2) days prior to the start of construction on the project.

The Contractor shall notify adjacent property owners/residents of this proposed use.

1. Any use of vacant property adjacent to or near the project for parking or servicing equipment and/or storing of material will require the Contractor to obtain written approval from the property owner. This approval shall contain any requirements which are a condition of this approval.
2. A copy of the property owner's approval shall be submitted along with the Contractor's request to the County Project Manager for approval for the use of the marshaling yard in connection with the project. An appropriate distance from adjacent properties will be set by the County Project Manager on a case by case basis based on the size and type of equipment to be used on the project.
3. The yard shall be securely fenced and adequately dust-proofed in a manner such as to preclude dirt and dust blowing off the site and tracking of mud onto paved or unpaved City streets.
4. Work in the yard shall be scheduled so as to comply with the County's Noise Ordinance and other applicable ordinances, rules, and regulations pertaining to construction activities.
5. Equipment, materials, supplies, etc., shall be located so as to minimize impact on adjacent properties. A sound barrier may be required if deemed necessary by the County Project Manager.
6. The Contractor shall clean up the property promptly upon completion of use and shall provide a signed property release as a condition of final acceptance.
7. Contractor's request for approval shall specify in detail how he or she proposes to comply with 1 through 7 above.

Site Use and Clean-up: Fine grading of disturbed surfaces; spreading new decomposed granite on disturbed surfaces where it existed prior to construction; returning staging areas and surrounding disturbed areas to their original condition (or better), and including reseeding, if necessary. Bid price shall include all costs associated with implementation of street sweeping as necessary to eliminate tracked dirt, mud, and debris from the project site onto paved surfaces via construction vehicle traffic and domestic traffic as a storm water management, pollution, and sediment control mitigation measure.

Sweeping and dust control shall be monitored and performed daily as needed and as may be directed by the County Inspector. Staging areas shall be provided with security fencing, scrubber pad to keep from tracking dirt/mud onto street surfaces, frequent housekeeping clean-up, and restoration of site to a condition as good if not better than found prior to construction. Dust control measures (including spraying water and/or dust palliatives on disturbed ground surfaces) are to be employed as needed to minimize fugitive dust from project activities.

This item includes all costs to mobilize for the project such as moving equipment, trucks, and personnel, both to the site and off the site upon completion of the work. This item also includes expenses for bonds, licenses, permits, project insurance, project coordination, materials, quality control testing, testing coordination, cut-sheet submittals, storage of materials, removal and disposal of construction debris, and the temporary supplies, power, and telephone, all necessary for the execution of the work.

403.2 Method of Measurement of the Standard Specifications is applicable to this bid item. Mobilization will be measured as a lump sum (LS) item of work.

403.3 Basis of Payment of the Standard Specifications is applicable to this bid item. Payment will be made at the lump sum (LS) price indicated on the Bid Schedule which amount shall be considered full compensation for the work as described herein. The lump sum amount shall be considered full compensation for the all work associated with this bid item, whether specifically stated or not.

Bid Item: **9010001 MOBILIZATION**

SECTION 504 STANDPIPES (FURNISH AND CONSTRUCT IRRIGATION SIPHON REPLACEMENT)

The work under this section shall conform to the requirements of Section 504 of the ADOT Standard Specifications for Road and Bridge Construction, 2008 Edition.

504.1 Description is modified to add the following:

The work under this item shall consist of furnishing and installing a complete unit siphon replacement as shown on the plans. The work includes all excavation, removal of improvements, installation of 36" polyvinyl chloride (PVC) C905 DR18 pipe, and construction of headwalls and transition sections. Unit B Irrigation District requires that debris grates be furnished and installed on both ends. Grates and installation shall be "trash racks" per Details on Sheet DT01 of the project plans.

The construction window for the siphon replacement is the two weeks following the Thanksgiving holiday (approximately November 30) to mid-December (approximately December 12) each year. Both the Bureau of Reclamation and the Unit B Irrigation District must be notified at least 72 hours prior to commencement of work on the siphon replacement. If the work is done during active irrigation activity, bypass pumping will be required and is incidental to the work herein.

504.2 Materials is modified to add the following:

Pipe for the siphon replacement shall be polyvinyl chloride (PVC) C905 pipe, DR 18, Pressure Rating 235 psi, meeting or exceeding the requirements of AWWA Standard C905 "Polyvinyl Chloride (PVC) Water Transmission Pipe." All pipe shall be made from quality PVC resin, compounded to provide physical and mechanical properties that equal or exceed cell class 12454 as defined in ASTM D1784. The Contractor shall furnish and install the PVC C905 DR18 pipe of the size(s) and at the locations where shown on the plans.

The pipe shall either be purple in color to denote that it is a non-potable irrigation water line (preferred), or shall be installed inside a purple inert polyethylene plastic sleeve per MAG Section 616.4 (Identification).

504.4 Method of Measurement is modified to add the following:

The measurement for this item is at a lump sum (LS) amount for one complete siphon replacement unit, in place. No additional measurements for removal, excavation, and backfill will be made.

504.5 Basis of Payment is modified to add the following:

Payment will be made once the siphon replacement construction is accepted at the lump sum (LS) unit price bid, complete in place. The lump sum amount shall be considered full compensation for the all work associated with this bid item, whether specifically stated or not.

Bid Item: **5040992 FURNISH AND CONSTRUCT IRRIGATION SIPHON REPLACEMENT**

SECTION 607 ROADSIDE SIGN SUPPORT

The work under this section shall conform to the requirements of Section 607 of the ADOT Standard Specifications for Road and Bridge Construction, 2008 Edition.

607.1.0 Description: the first paragraph of the Standard Specifications is revised to read: The work under this section shall consist of furnishing and installing roadside sign supports in accordance with the details shown on the plans and the requirements of the specifications.

607.2.03 Perforated Sign Posts is revised to add: All sign posts shall be square tube posts furnished and installed in accordance with ADOT Signing and Marking Standard Drawings. Size of sign posts shall be denoted on the plans.

607.2.05 Concrete: the last paragraph of the Standard Specifications is revised to read: Reinforcing steel bars for breakaway sign post foundations shall conform to the requirements of ASTM A 615. Unless otherwise specified, steel bars meeting the requirements of ASTM A 706 may be substituted for ASTM A 615 steel bars. When ASTM A 706 bars are used, tack welding of the reinforcement will not be permitted unless approved in writing by the Engineer. Reinforcing steel wire shall conform to the requirements of ASTM A 82.

607.2.3 'New Traffic Pattern Ahead' signs: shall be mounted on Type 2S galvanized square tube posts with foundations, are to be placed on each approach approximately 750 LF in advance of the painted stop bar location. The signs are temporary in nature and shall be in place prior to completion of construction and shall remain in place for 45 calendar days after completion of construction. Salvage of the sign panel and square tube sign post shall be to Yuma County and the salvaged sign and post shall be delivered to and unloaded at a location specified by the County Inspector. The Contractor shall remove and dispose of the sign post foundation at a landfill or other approved and legal disposal site. The work to furnish and install the square tube sign post for these signs shall be measured and paid for under this section.

607.4.0 Method of Measurement: Breakaway sign posts will be measured by the lineal foot for each size of post furnished and erected. The length of each size of post will be measured from the bottom of the upper base plate to the top of the post, measured to the nearest 0.1 feet. The total length of all posts of the same size will be rounded to the nearest foot. Perforated sign posts will be measured by the linear foot of each type of post furnished and installed. The length of each type of post will be measured from the top of the concrete post foundation to the top of the post, measured to the nearest 0.1 feet. The total length of all posts of the same type will be rounded to the nearest foot. Telescoping post members will be considered as one post after installation and will not be measured separately. U-channel posts will be measured as each. Foundations for signposts will be measured by the unit for each type of foundation constructed, except that concrete and excavation, when required for setting U-channel base posts, will be considered as part of the post.

607.5.0 Basis of Payment: The accepted quantities of breakaway posts, perforated posts, U- channel posts and foundations for the sign posts, measured as provided above, will be paid for at the contract unit prices complete in place.

The contract unit price paid per linear foot for each size of breakaway sign post, each type of perforated sign post and each installation of U- channel post designated in the bidding schedule shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in furnishing and erecting the sign posts, complete in place, including galvanizing and furnishing all metal plates and hardware, all as shown on the plans and as specified herein.

The contract unit price paid per unit for each type of sign foundation designated in the bidding schedule shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in constructing foundations, complete in place, including the steel stub posts, lower base plate and steel reinforcement (except for stub posts S 3 x 5. 7 and S 4 x 7. 7) for the breakaway sign post foundation; the portion of perforated post within the foundations; galvanizing the posts; and excavation, all as shown on the plans and as specified herein.

Bid Item:	6070038	SLIP BASE (ADOT DTL S-3)
	6070057	SIGN POST (PERFORATED) (2 1/2 T)
	6070060	FOUNDATION FOR SIGN POST (CONCRETE)

SECTION 608 SIGN PANELS

The work under this section shall conform to the requirements of section 608 of the ADOT Standard Specifications for Road and Bridge Construction, 2008 Edition.

608.1 Description of the Standard Specifications is revised to read:

The work under this section shall consist of furnishing and installing sign panels in accordance with the details shown on the plans and the requirements set forth herein.

The sign panels shall be of the following types:

- (A) Extruded Aluminum Sign Panels with Direct-Applied, Digitally-Imaged, or Demountable Characters
- (B) Flat Sheet Aluminum Sign Panels with Direct-Applied, Digitally-Imaged, Electronic-Cut, or Screen-Printed Characters (includes street name signs)
- (C) Warning, Marker, and Regulatory Sign Panels
- (D) Route Shields for Installation on Sign Panels
- (E) EXIT ONLY Panels for Installation on Sign Panels

608.2.01 General: of the Standard Specifications is modified to add: signs shall be fabricated in accordance with the recommendations established by the manufacturer of the sign sheeting. All processes and materials used to make a sign shall in no way impact the performance, uniform appearance (day and night), or durability of the sheeting, or invalidate the sign sheeting manufacturers' warranty.

All sheeting used for background and legend shall be from the same manufacturer. Sign panels shall not be overlaid.

All text and numerals shall all be installed at the same orientation: either zero degrees or 90 degrees.

Design of letters and numbers shall be in accordance with the project plans with a tolerance of $\pm 1/16$ th of an inch.