

City of Flagstaff  
Capital Improvements  
3200 W Rte 66  
Flagstaff, AZ 86001

February 2, 2024

**Attention:** Mac McNamara, P.E.  
City of Flagstaff

**Reference:** Schultz Creek Drainage Improvements at US-180 Project  
Flagstaff Project #: WS3528/03-23021

**Subject:** Procurement GMP – Precast Box Culvert

Good day Mac,

Please find attached Banicki's Guaranteed Maximum Price (GMP) proposal for the early procurement of ADOT SD 6.20 8' x 5' double precast box culvert for the above referenced Project.

The total value of Banicki's proposal is \$611,398.90.

Please note the total length of the precast double barrel box culvert to procure is 365 LF per barrel, less than the 60% plan total length of 423 LF per barrel. The reason for this is because portions of the box culvert will have to be cast-in-place (CIP) at the inlet below the APS overhead powerlines.

Also, please note there are 8' segment lengths, 4' segment lengths, and four skew segments. The skew pieces will ensure we are able to marry the culvert with the phase line on US-180 in order to maintain two lanes of traffic. The reason for the 4' segment lengths is to mitigate challenges when being installed around sensitive utilities.

Should you have any questions, comments, or need additional information, please do not hesitate to contact me directly at (480) 486-3012.

Respectfully,



George Lane-Roberts, P.E.  
Preconstruction Manager  
480.486.3012



**GUARANTEED MAXIMUM PRICE**

**Project:** Schultz Creek Drainage Improvements at US Highway 180 Project  
**Flagstaff Project #:** WS3528/03-23021  
**Plan Set:** SWI - 60% Design Preliminary - Dated 11/2023  
**Submitted:** 2/2/2024

JBCI #	Keynote	Description	QTY	Unit	Unit Cost	Total
<b>Precast Box Culvert - Early Procurement</b>						
10	NA	Precast Box Culvert - ADOT SD 6.20 - Double Barrel 8' x 5' @ 8' Segment Lengths <b>STA 2+97.73 (outlet) to STA 6+32.67 (US-180 phase line)</b> <i>Note - Length is per barrel, thus 325 LF of total box culvert or 670 LF of double barrel box culvert.</i>	670	LF per barrel	\$ 670.00	\$ 448,900.00
20	NA	Precast Box Culvert - ADOT SD 6.20 - Double Barrel 8' x 5' @ 4' Segment Lengths <b>STA 6+32.67 (US-180 phase line) to STA 6+62 (edge of NB US-180 curb)</b> <i>Note - Length is per barrel, thus 30 LF of total box culvert or 60 LF of double barrel box culvert.</i>	60	LF per barrel	\$ 720.00	\$ 43,200.00
30	NA	Precast Box Culvert - Double Barrel 8' x 5' - custom skew <i>Note - 4 each custom skew pieces to accommodate phased construction on US-180.</i>	4	EA	\$ 6,250.00	\$ 25,000.00
<b>Precast Box Culvert - Early Procurement - Subtotal:</b>						<b>\$ 517,100.00</b>

PRICE SUMMARY			
Item	Description	% Rate	Total
A.	<b>Subtotal Direct Cost</b>		<b>Subtotal Direct Costs = \$ 517,100.00</b>
B.	General Conditions		\$ -
C.	JBCI Performance & Payment Bond (Calculated on Subtotal Contract Price Less Contingency)	1.00%	\$ 6,113.99
D.	Subcontractor Performance & Payment Bond (Calculated on Subtotal Contract Price Less Contingency)	0.00%	\$ -
E.	JBCI Insurance (Calculated on Total Contract Price Less Contingency)	1.00%	\$ 6,113.99
F.			<b>Subtotal General Conditions Costs = B + C + D + E \$ 12,227.98</b>
G.			<b>Subtotal Direct Costs + Indirect Costs = A + F \$ 529,327.98</b>
H.	Construction Fee (Calculated on Subtotal Direct Costs + Indirect Costs = G)	9.00%	\$ 47,639.52
I.			<b>Subtotal Direct Costs + Indirect Costs + Fee = G + H \$ 576,967.50</b>
J.	Sales Tax (Calculated on Subtotal Direct Costs + Indirect Costs + Fee = I) (Tax rate is 65% of 6.90% for Coconino County + 2.281% for the City of Flagstaff)	5.9677%	\$ 34,431.40
K.			<b>Guaranteed Maximum Price = I + J \$ 611,398.90</b>
L.	Owner's Contingency		\$ -
M.	JBCI Contingency		\$ -
<b>Procurement Contract Price:</b>			<b>\$ 611,398.90</b>



# Quotation

<b>Quote # QUO-619306-J2R1P7</b>					
<b>Date</b>	01/25/2024	<b>Account Name</b>	J Banicki Construction Inc	<b>Reply-To</b>	
<b>Quote #</b>	QUO-619306-J2R1P7	<b>Contact Name</b>	George Lane	<b>Account Manager</b>	Edgardo Ayon
<b>Revision #</b>	0	<b>Contact Phone</b>	(480) 320-4355	<b>Address</b>	12600 W. Northern Ave, El Mirage, AZ 85335
<b>Project Name</b>	Schultz Creek	<b>Contact Fax</b>		<b>Phone</b>	(623) 889-3500
<b>Project #</b>	787963	<b>Contact Email</b>	george@banicki.com	<b>Fax</b>	
<b>Project Address</b>	3101 N Fort Valley Rd, Flagstaff, AZ 86001			<b>Email</b>	Edgardo.Ayon@rinkerpipe.com

Rinker Materials' offer to sell the products described in this quotation is expressly conditioned upon Buyer's assent to the Rinker Materials' Standard Terms and Conditions ("Rinker Materials STCs") viewable at [www.rinkerpipe.com](http://www.rinkerpipe.com). A valid tax exemption certificate must be issued to Rinker Materials or sales tax will be added.

Item #	Description	Part #	Quantity	Unit	Extended Unit Price	Unit Total
10	8'X5' C1577 - 8' STA 2+97.73 to 6+32.67 -Includes 2 bends @ 5+85	BC0960600960815011	670.00	FT	\$670.00	\$448,900.00
15	8'X5' C1577 @ 4' STA 6+32.67 to STA 6+62	BC0960600480815011	60.00	FT	\$720.00	\$43,200.00
20	45 Degree Special Skews @ Sta 6+32	BC0960600960815011	4.00	EA	\$6,250.00	\$25,000.00
					<b>Total</b>	\$517,100.00
					(Tax not included)	<b>Net Total</b> \$517,100.00

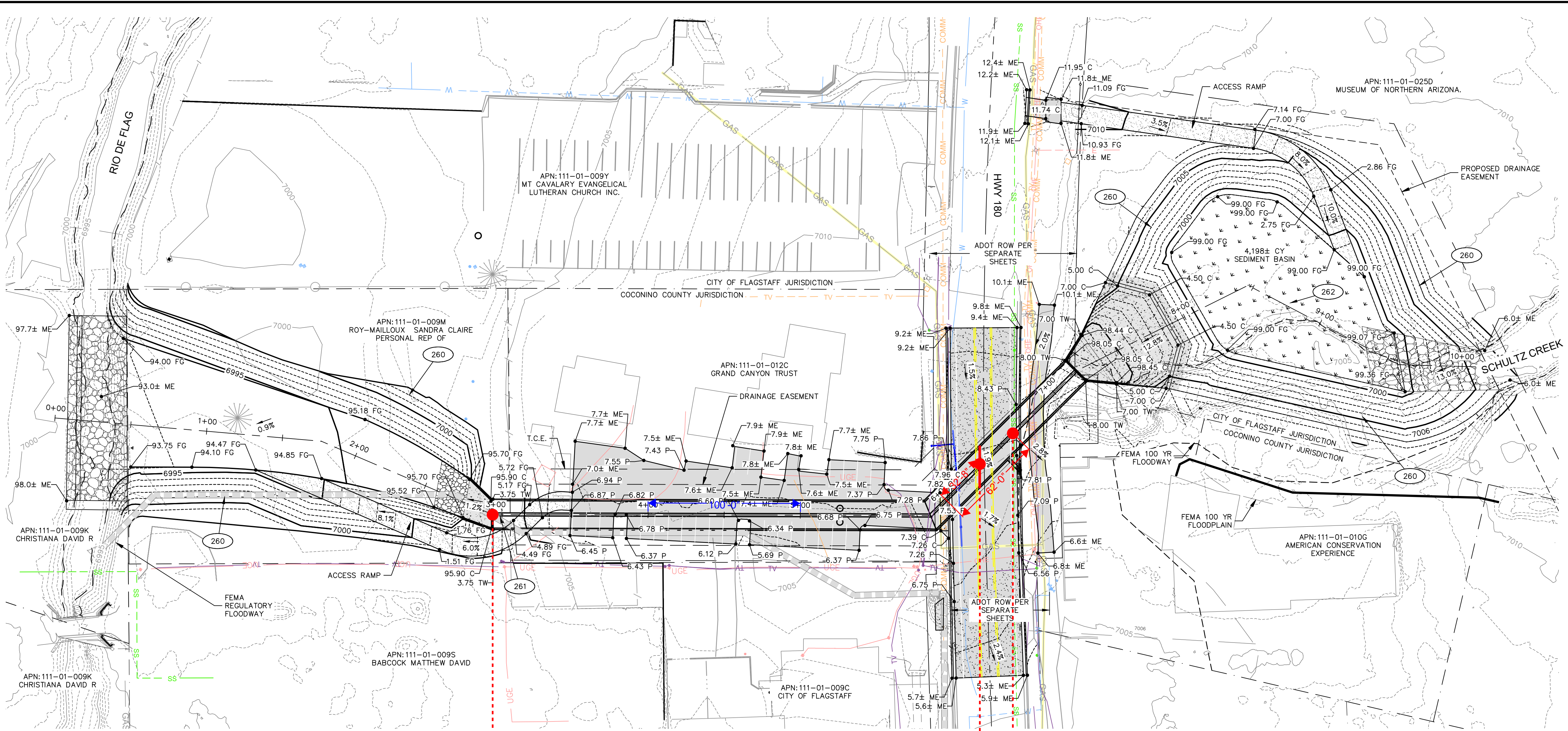
### Standard Notes

1.\*\*\*\*We can start pouring 10-12 weeks from approved submittals\*\*\*\*  
 \*\*\*\*We need 1 week per each special fitting ( 2 Bends & 4 Skews)\*\*\*\*  
 \*\*\*\*Trucking, shop drawings, submittals and engineering is included\*\*\*\*  
 \*\*\*\*Contractor to unload @ jobsite with their own rigging, each box section to have 4ea 2-1/2" lifting holes\*\*\*\*

2.This quotation is presented without review of the plans and specifications for this project. Products quoted are specified to only meet ASTM C-1577, ASTM C990. Any required deviation from ASTM C-1577, ASTM C990 after review of plans and specifications will require re-quoting and void this quotation.

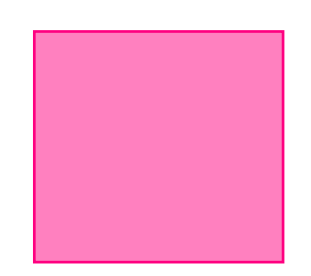
**PAYMENT TERMS ARE NET 30, WITHOUT RETENTION OR SETOFF. THIS OFFER IS SUBJECT TO CREDIT APPROVAL. PRICES QUOTED APPLY ONLY TO THE REFERENCED PROJECT AND ARE IN EFFECT FOR 30 DAYS FROM THE DATE OF QUOTATION. PRICES ARE BASED ON THE QUANTITIES SHOWN. IF A DIFFERENT QUANTITY IS PURCHASED, RINKER MATERIALS RESERVES THE RIGHT TO ADJUST THE PRICES. THIS QUOTATION CONTAINS THE ENTIRE AGREEMENT WITH RESPECT TO PURCHASE AND SALE OF PRODUCTS DESCRIBED AND SUPERSEDES ALL PREVIOUS COMMUNICATIONS. BUYER'S SIGNATURE BELOW, DIRECTION TO MANUFACTURE, OR ACCEPTANCE OF DELIVERY OF GOODS DESCRIBED ABOVE, SHALL BE DEEMED AN ACCEPTANCE OF THE RINKER MATERIALS STCS. SELLER EXPRESSLY REJECTS ANY OTHER TERMS AND CONDITIONS. PRICES ARE F.O.B. ORIGIN (UNLESS OTHERWISE SPECIFIED IN THE STANDARD NOTES) WITH UNLOADING BY OTHERS AT A TRUCK ACCESSIBLE LOCATION.**

<b>Acceptance</b>		
I WARRANT AND REPRESENT THAT I HAVE AUTHORITY TO ENTER INTO THIS AGREEMENT ON BEHALF OF THE BUYER. WE HEREBY ORDER THE DESCRIBED MATERIAL SUBJECT TO ALL TERMS AND CONDITIONS OF THIS QUOTATION AND IN THE RINKER MATERIALS STCS VIEWABLE AT <a href="http://www.rinkerpipe.com">www.rinkerpipe.com</a> .	<b>By</b>	Edgardo Ayon
Company	<b>(O)</b>	(623) 889-3500
By	<b>(F)</b>	
Title	<b>(Cell)</b>	
Date	<b>Title</b>	Sales Manager

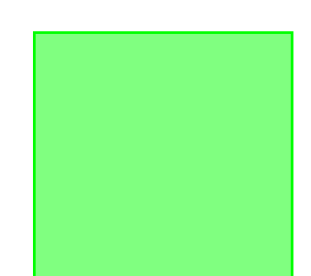


**GRADING & DRAINAGE KEYNOTES**

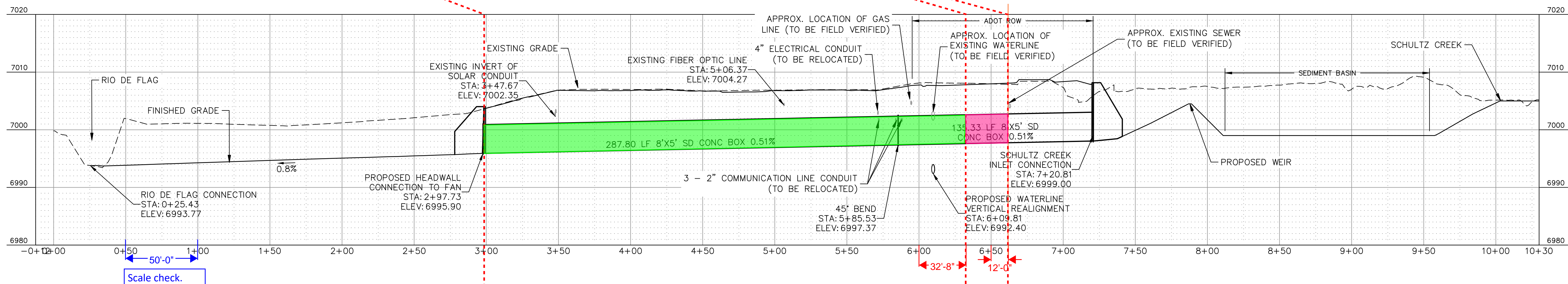
- (260) 1 LS CONSTRUCT CUT/FILL SLOPE (4' HORIZONTAL TO 1' VERTICAL) TO DAYLIGHT.
- (261) 1 LS CONSTRUCT CUT/FILL SLOPE (3' HORIZONTAL TO 1' VERTICAL) TO DAYLIGHT.
- (262) 4,198 CY CONSTRUCT SEDIMENT BASIN.



**STA 6+32.67 to STA 6+62**  
4' precast segments plus two skew pieces to marry at phase line.



**STA 2+97.73 to STA 6+32.67**  
8' precast segments plus two skew pieces to marry at phase line.



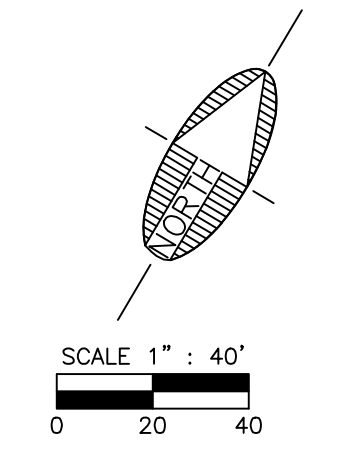
**STA: 2+97.73**  
Details: Start precast.  
Extend WWF or rebar as required per ADOT SD 6.20 to tie into CIP wing walls.

**STA: 6+32.67**  
Details: **SKEW JOINT HERE** (to be in same alignment as road north-south)

**STA: 6+62**  
Details: End precast.  
Extend WWF or rebar as required per ADOT SD 6.20 to tie remaining portion of box which will be CIP.

223008 - Fire Dept Channel Alignment - Option 1 PRO

PROFILE SCALE  
H: 1" = 40'  
V: 1" = 10'



**60% DESIGN PRELIMINARY**  
NOT FOR CONSTRUCTION, BIDDING OR RECORDING

 <b>Shephard Wesnitzen Inc.</b> <small>An ARDURRA Company</small>	
JOB NO: 223008 DATE: NOV 23 SCALE: AS SHOWN DRAWN: HAS DESIGN: HAS, KMF CHECKED: SCI	FLAGSTAFF ARIZONA HIGHWAY 180 CROSSING GRADING & DRAINAGE PLAN
110 W. Dole Avenue Flagstaff, AZ 86001 928.773.0354 928.774.8934 fax www.ardurra.com	
REVISIONS NO. DESCRIPTION DATE BY	DRAWING NO. <b>GD01</b> SHT NO. OF 13 OF 15



**Lane Widths** - ADOT has confirmed 11' lanes are approved for construction. Currently, both US-180 lanes in permanent condition are 11' wide.

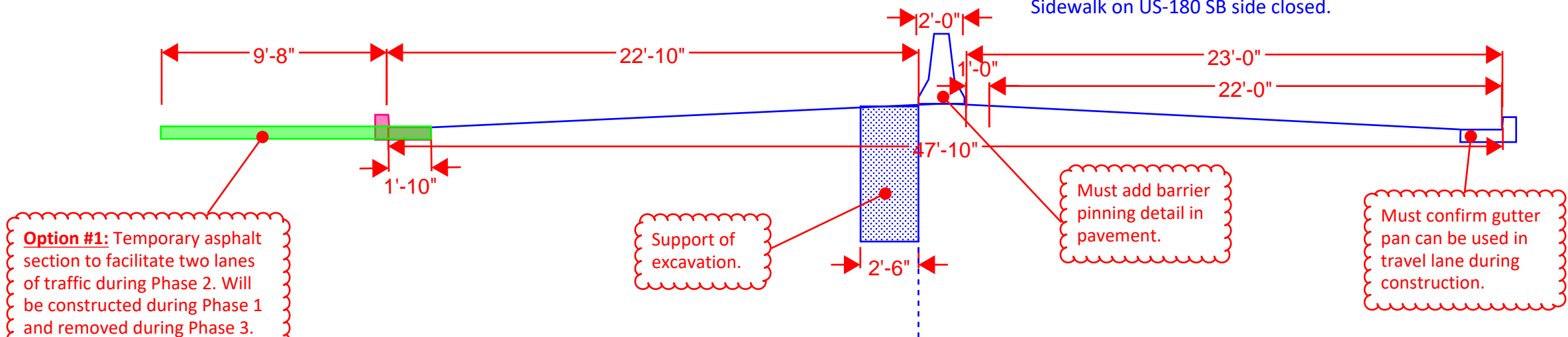
**Current Lane Widths** - Current roadway width from face of curb to face of curb as measured in the field is 47'-10". Lane widths are 11'-0" for SB lane, 13'-0" for suicide lane, 10'-10" for NB lane, and 6'-5" to 6'-9" for the bike lanes, depending on where measurements taken. Bike lane dimensions include the 1'-10" gutter pan.

**TCB pinning** - Can't find ADOT detail for pinning barrier in a pavement section. Only have pinning detail over bridge decks. We will have to pin TCB across the excavation and 20' (just a guess) on either side of excavation.

**Temporary Striping** - Lane tapers and temporary lanes for construction will be striped with temporary water-based paint.

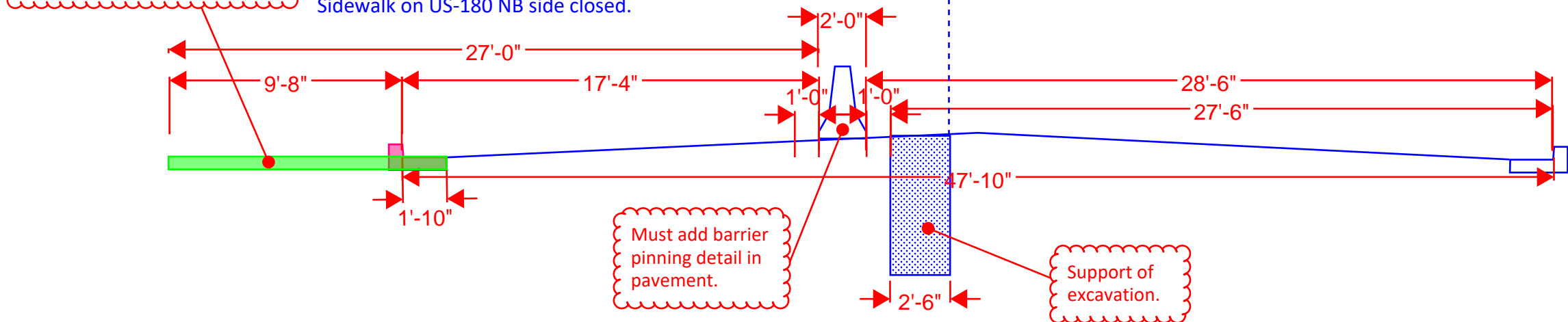
**Phase 1 Work Area:**  
Sidewalk on US-180 SB side closed and detoured.

**Phase 1 Travel Lanes:**  
Single 11' lane in each direction striped with temporary paint. Pedestrians remain on shared use path. Sidewalk on US-180 SB side closed.



**Phase 2 Travel Lanes:**  
**MUST ADD 9'-8" TEMPORARY ASPHALT WEDGE ON US-180 TO FIT 11' TEMPORARY LANES AND 4' TEMPORARY SIDEWALK.**  
Single 11' lane in each direction striped with temporary paint. Sidewalk on US-180 NB side closed.

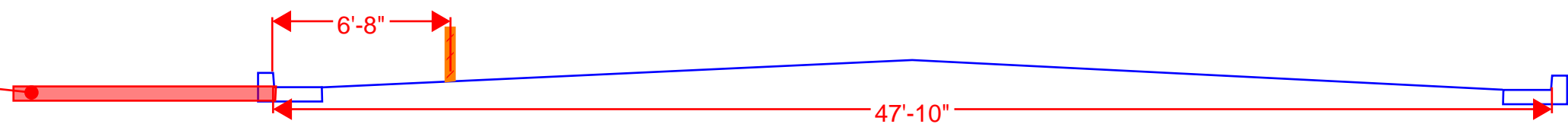
**Phase 2 Work Area:**  
Sidewalk on US-180 NB side closed and detoured to temporary asphalt widening on US-180 SB.



**Phase 3**

Install VP's along US-180 SB edge line to delineate work area. Current bike lane width is 6'-8" from face of curb. Remove temporary asphalt wedge and construct new flatwork, GCT driveway, etc.

Use VP's to close SB bike lane. Remove temporary asphalt and construct flatwork, GCT driveway, etc.



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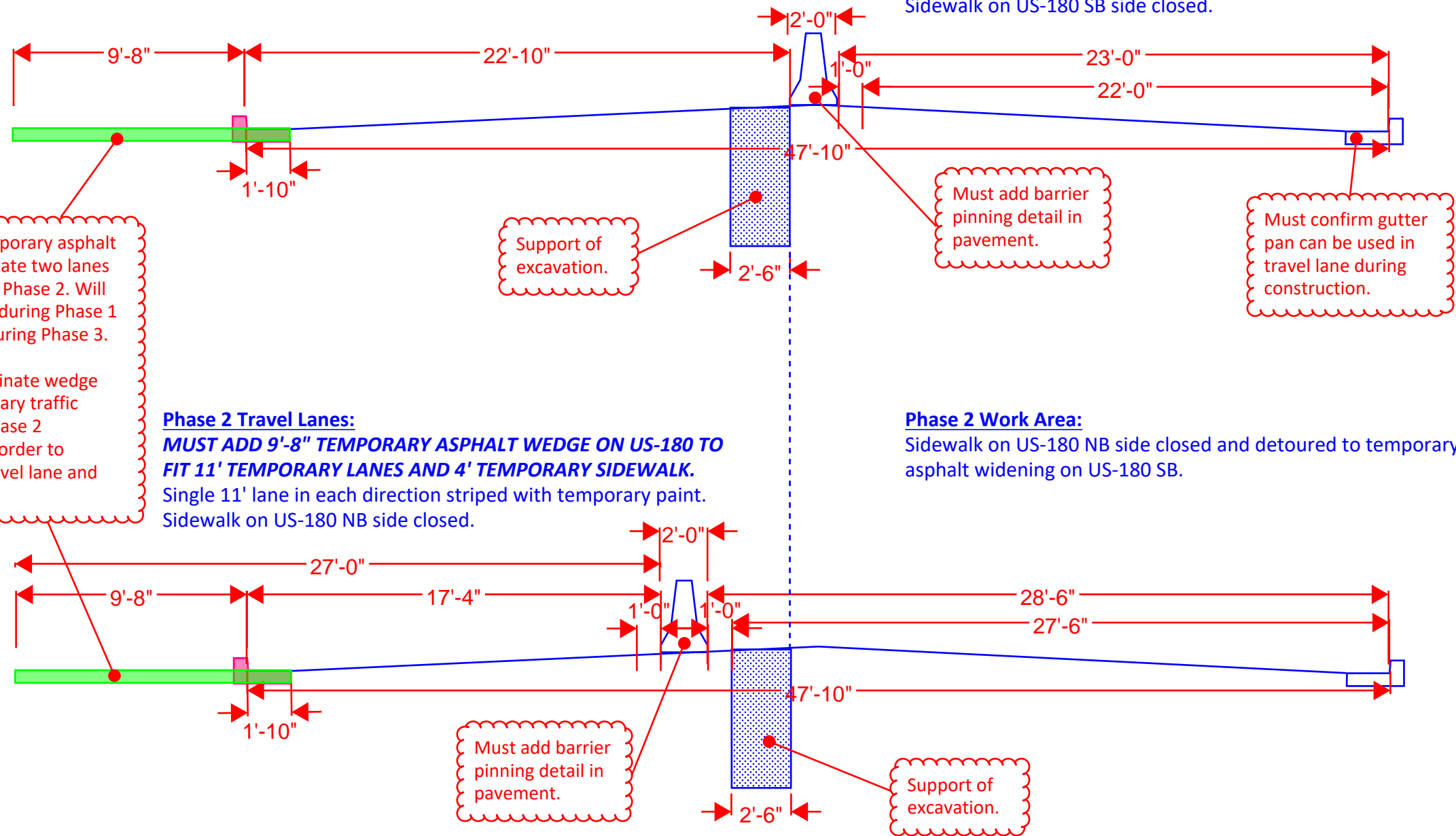
**Phase 1 Travel Lanes:**  
Single 11' lane in each direction striped with temporary paint. Pedestrians remain on shared use path. Sidewalk on US-180 SB side closed.

**Option #1:** Temporary asphalt section to facilitate two lanes of traffic during Phase 2. Will be constructed during Phase 1 and removed during Phase 3.

**Option #2:** Eliminate wedge and use temporary traffic signal during Phase 2 construction in order to maintain 11' travel lane and 6'-4" bike lane.

**Phase 2 Travel Lanes:**  
**MUST ADD 9'-8" TEMPORARY ASPHALT WEDGE ON US-180 TO FIT 11' TEMPORARY LANES AND 4' TEMPORARY SIDEWALK.**  
Single 11' lane in each direction striped with temporary paint. Sidewalk on US-180 NB side closed.

**Phase 2 Work Area:**  
Sidewalk on US-180 NB side closed and detoured to temporary asphalt widening on US-180 SB.



**Phase 3**  
Install VP's along US-180 SB edge line to delineate work area. Current bike lane width is 6'-8" from face of curb. Remove temporary asphalt wedge and construct new flatwork, GCT driveway, etc.

