

# Schedule of Values

revised 8/24/2018

		ADJACENT WAYS				
SFB AW 200-18		SCHEDULE OF VALUES				
School District	Creighton Elementary					
SFB Project Number						
Architect Name	SPS + Architects					
CM @ Risk Name	Creighton Elementary Rebuild					
County	Maricopa					
Permitting (Name of County/City)	Maricopa / Phoenix					
GMP	\$472,686.00		\$0.00	AW-Y <input type="checkbox"/>	AW-N <input type="checkbox"/>	
		Quantity	Cost per Unit (no markup)	District Cost	Other On-Site Funding (Adjacent Ways, etc.)	Off-Site Adjacent Ways
	= Cells to be completed - as required					
<b>Div 1 GENERAL CONDITIONS</b>						
01 50 00	temporary facilities	92,071.00				\$189,314.00
01 56 19	dust control	92,071.00				
01 57 13	track off pads	92,071.00				
	<b>Division 1 total</b>			\$0.00	\$0.00	\$189,314.00
<b>Div 2 EXISTING CONDITIONS</b>						
02 21 13	survey	92,071.00				\$4,395.00
02 41 13	site demolition/removal	92,071.00				\$17,898.00
02 60 00	soil treatment	92,071.00				
	<b>Division 2 total</b>			\$0.00	\$0.00	\$22,293.00
<b>Div 3 CONCRETE</b>						
03 00 00	footings/walls	92,071.00				\$28,833.00
03 00 00	building	92,071.00				
03 20 00	rebar	92,071.00				
03 30 53	slabs	92,071.00				
03 35 00	sealed floors	92,071.00				
03 40 00	precast concrete	92,071.00				
	<b>Division 3 total</b>			\$0.00	\$0.00	\$28,833.00
<b>Div 4 MASONRY</b>						
04 00 00	masonry walls	92,071.00				
04 00 00	masonry columns	92,071.00				
04 05 19	rebar	92,071.00				
04 22 00	site masonry	92,071.00				
04 22 00	block fencing	92,071.00				
04 43 00	stonework	92,071.00				
	<b>Division 4 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 5 METALS</b>						
05 00 00	miscellaneous steel	92,071.00				
05 10 00	structural steel	92,071.00				
05 30 00	metal decking	92,071.00				
05 51 00	stairs	92,071.00				
05 70 00	architectural steel	92,071.00				
	<b>Division 5 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 6 WOODS/PLASTICS/COMPOSITES</b>						
06 10 00	rough carpentry structure	92,071.00				
06 15 00	wood decking	92,071.00				
06 20 00	finish carpentry	92,071.00				
06 40 00	millwork/casework	92,071.00				
06 60 00	plastic/glass fiber	92,071.00				
	<b>Division 6 total</b>			\$0.00	\$0.00	\$0.00

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			Cost per Unit		Other On-Site Funding	Off-Site
	= Cells to be completed - as required	Quantity	(no markup)	District Cost	(Adjacent Ways, etc.)	Adjacent Ways
<b>Div 7</b>	<b>THERMAL/MOISTURE</b>					
07 10 00	waterproofing/dampproofing	92,071.00				
07 20 00	building insulation	92,071.00				
07 21 00	foam roof	92,071.00				
07 25 00	weather barrier	92,071.00				
07 31 00	roof shingles	92,071.00				
07 32 00	roof tiles	92,071.00				
07 50 00	membrane roofing	92,071.00				
07 60 00	metal roof	92,071.00				
07 60 00	general sheet metal	92,071.00				
07 72 00	roof accessories	92,071.00				
07 81 00	sprayed fireproofing	92,071.00				
07 84 00	firestopping	92,071.00				
07 95 00	roof expansion joint	92,071.00				
07 92 00	joint sealants	92,071.00				
	<b>Division 7 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 8</b>	<b>OPENINGS</b>					
81 10 00	doors & frames	92,071.00				
08 33 00	overhead doors	92,071.00				
08 40 00	storefronts	92,071.00				
08 44 00	curtain walls	92,071.00				
08 50 00	windows	92,071.00				
08 60 00	skylights	92,071.00				
08 70 00	hardware	92,071.00				
08 71 13	automatic doors	92,071.00				
08 79 00	knox box	92,071.00				
08 80 00	glass & glazing	92,071.00				
	<b>Division 8 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 9</b>	<b>FINISHES</b>					
09 24 00	stucco/EIFS systems	92,071.00				
09 20 00	interior metal studs/gypsum board	92,071.00				
09 22 00	exterior metal stud framing	92,071.00				
09 23 00	decorative plaster	92,071.00				
09 51 00	acoustical ceilings	92,071.00				
09 31 00	ceramic tile	92,071.00				
09 65 00	resilient flooring	92,071.00				
09 68 00	carpet	92,071.00				
09 64 00	wood floors	92,071.00				
09 67 00	epoxy	92,071.00				
09 80 00	sound panels	92,071.00				
09 90 00	painting	92,071.00				
09 77 00	fiberglass reinforced panels	92,071.00				
	<b>Division 9 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 10</b>	<b>SPECIALTIES</b>					
10 11 00	visual display boards	92,071.00				
10 14 00	signage	92,071.00				
10 21 13	toilet partitions & accessories	92,071.00				
10 21 23	cubicle track & curtain	92,071.00				
10 22 26	operable partitions/walls	92,071.00				
10 26 00	wall protection	92,071.00				
10 44 00	fire extinguishers & cabinets	92,071.00				
10 50 00	lockers	92,071.00				
10 56 13	storage shelving	92,071.00				
10 73 00	shelters	92,071.00				
10 73 13	awnings	92,071.00				
10 73 13	canopy/ramada	92,071.00				
10 75 00	flagpoles	92,071.00				
	<b>Division 10 total</b>			\$0.00	\$0.00	\$0.00

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	= Cells to be completed - as required	Quantity	(no markup)			
<b>Div 11</b>	<b>EQUIPMENT</b>					
11 16 16	floor safe	92,071.00				
11 41 00	kitchen equipment	92,071.00				
11 51 00	library equipment	92,071.00				
11 52 00	audio/visual equipment	92,071.00				
11 52 13	projection screens	92,071.00				
11 53 13	fume hoods	92,071.00				
11 61 43	stage curtain/equipment	92,071.00				
11 66 00	sports/PE equipment	92,071.00				
11 68 00	playground equipment	92,071.00				
11 68 23	site basketball courts	92,071.00				
11 68 33	ballfield backstop	92,071.00				
11 68 33	sports fields	92,071.00				
	<b>Division 11 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 12</b>	<b>FURNISHINGS</b>					
12 20 00	window coverings	92,071.00				
12 31 00	metal casework	92,071.00				
12 32 16	plastic laminate casework	92,071.00				
12 61 00	auditorium seating	92,071.00				
12 93 13	bike racks	92,071.00				
12 93 23	trash enclosures	92,071.00				
	<b>Division 12 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 13</b>	<b>SPECIAL CONST</b>					
13 00 00	equipment/storage enclosures	92,071.00				
13 11 00	swimming pools	92,071.00				
13 34 16	bleachers	92,071.00				
13 34 19	metal buildings	92,071.00				
	<b>Division 13 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 14</b>	<b>CONVEYING</b>					
14 00 00	material handling	92,071.00				
14 20 00	elevators	92,071.00				
14 42 00	wheelchair lifts	92,071.00				
	<b>Division 14 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 21</b>	<b>FIRE SUPPRESSION</b>					
21 10 00	fire protection/sprinklers	92,071.00				
	<b>Division 21 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 22</b>	<b>PLUMBING</b>					
22 11 00	supply piping	92,071.00				
22 13 00	waste water piping	92,071.00				
22 31 00	water treatment (softner)	92,071.00				
22 32 00	water treatment (filtered)	92,071.00				
22 35 00	water heaters	92,071.00				
22 42 00	plumbing fixtures	92,071.00				
	<b>Division 22 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 23</b>	<b>MECHANICAL</b>					
23 07 13	mechanical insulation	92,071.00				
23 50 00	HVAC - central plant (cooling)	92,071.00				
23 60 00	HVAC - central plant (heating)	92,071.00				
23 76 00	HVAC - evaporative	92,071.00				
23 80 00	HVAC - package units	92,071.00				
23 81 26	HVAC - split system	92,071.00				
	<b>Division 23 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 25</b>	<b>INTEGRATED AUTOMATION</b>					
25 50 00	EMS	92,071.00				
	<b>Division 25 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 26</b>	<b>ELECTRICAL</b>					
26 10 00	site electrical	92,071.00				
26 10 00	electrical	92,071.00				
26 30 00	generators	92,071.00				
26 56 00	exterior lighting	92,071.00				
	<b>Division 26 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 27</b>	<b>COMMUNICATIONS</b>					
27 20 00	data cabling	92,071.00				
27 24 00	TV cabling	92,071.00				
27 30 00	intercom	92,071.00				
27 32 13	communications/phone	92,071.00				
	<b>Division 27 total</b>			\$0.00	\$0.00	\$0.00

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	= Cells to be completed - as required	Quantity	(no markup)			
<b>Div 28</b>	<b>SAFETY AND SECURITY</b>					
28 10 00	security system	92,071.00				
28 20 00	surveillance/alarm	92,071.00				
28 31 00	fire alarm system	92,071.00				
	<b>Division 28 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 31</b>	<b>EARTHWORK</b>					
31 23 00	earthwork/mass excavation	92,071.00				
31 23 00	import/export dirt	92,071.00				
31 31 00	soil treatment - termite	92,071.00				
	<b>Division 31 total</b>			\$0.00	\$0.00	\$0.00
<b>Div 32</b>	<b>EXTERIOR IMPROVEMENTS</b>					
32 00 00	parking	92,071.00				
32 00 00	unusal site conditions	92,071.00				
32 10 00	asphalt/paving	92,071.00				\$34,920.00
32 13 00	site concrete	92,071.00				
32 13 00	sidewalks	92,071.00				
32 17 00	striping/signage	92,071.00				
32 31 13	chainlink fencing	92,071.00				
32 31 19	wrought iron fencing	92,071.00				
32 32 00	retaining walls	92,071.00				
32 80 00	irrigation	92,071.00				
32 90 00	landscaping	92,071.00				
	<b>Division 32 total</b>			\$0.00	\$0.00	\$34,920.00
<b>Div 33</b>	<b>UTILITIES</b>					
33 00 00	site utilities	92,071.00				\$104,696.00
33 21 00	wells	92,071.00				
33 32 16	lift station	92,071.00				
33 36 00	septic system	92,071.00				
33 40 00	stormwater/drainage	92,071.00				
33 49 23	drywells	92,071.00				
	<b>Division 33 total</b>			\$0.00	\$0.00	\$104,696.00
	<b>Subtotal</b>	<b>\$380,056.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$380,056.00</b>
7.10%	Contractor Fee		\$33,580.00	\$0.00	\$0.00	\$33,580.00
3.17%	Contactor Contingency		\$15,000.00	\$0.00	\$0.00	\$15,000.00
1.21%	Builders Risk/Liability Insurance		\$5,729.00	\$0.00	\$0.00	\$5,729.00
0.92%	Performance & Payment Bonds		\$4,346.00	\$0.00	\$0.00	\$4,346.00
7.19%	Sales Tax		\$33,975.00	\$0.00	\$0.00	\$33,975.00
	<b>Subtotal</b>	<b>\$472,686.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$472,686.00</b>
	<b>Grand Guaranteed Maximum Price (GMP)</b>	<b>\$472,686.00</b>				

Project: Creighton Offsites  
Date: 3/2/2020



CSI Div	Description	Total Quantities	Units	Total Cost
<b>1A</b>	<b>Survey and Layout</b>			
	SURVEY	22.5	HR	\$3,825.00
	CADD Tech Prep	6	HR	\$570.00
	<b>Subtotal Survey and Layout</b>			<b>\$4,395.00</b>
<b>2A</b>	<b>Demolition</b>			
	Demo	1	LS	\$4,800.00
	Site Demo	1	LS	\$17,898.00
	<b>Subtotal Demolition</b>			<b>\$22,293.00</b>
<b>3A</b>	<b>Concrete</b>			
	Curb and Gutter	85	LnFt	\$1,589.00
	PCCP 9"	1617	SqFt	\$14,294.00
	Valley Gutter 3'	88		\$2,595.00
	HC Ramps w/ Domes	950	Sqft	\$10,355.00
	<b>Subtotal Concrete</b>			<b>\$28,833.00</b>
<b>32A</b>	<b>Earthwork</b>			
	6" ABC Patch	44	sy	\$15,760.00
	Mircoseal	1198	sy	\$19,160.00
	<b>Subtotal Earthwork</b>			<b>\$34,920.00</b>
<b>33A</b>	<b>Traffic Signal</b>			
	Underground Material	1	LS	\$27,372.00
	Remove Existing Foundations	1	LS	\$14,989.00
	Boring - Turnkey	1	LS	\$19,660.00
	New Founations	5	EA	\$42,675.00
	<b>Subtotal Traffic Signal</b>			<b>\$104,696.00</b>

# Creighton Elementary School

Adjacent Ways Submittal

Legend



Google Earth

© 2018 Google

Scope of work to take place offsite  
per plan, as mandated by the City of Phoenix



PARTNERS

Robert L. Pian, AIA, NCARB

William R. Pittenger, RA, CSI

Mark A. Davenport, AIA, LEED AP BD+C

ASSOCIATES

Richard K. Begay Jr., AIA

Neil L. Pieratt, RA, LEED AP BD+C

## Architectural Supplemental Instructions

**Project Name: Creighton Elementary School**

**ASI No: 045**

**Owner: Creighton Elementary School District**

**Date: 1/09/2020**

**2702 E. Flower Street**

**Phoenix, AZ 85016**

**Contractor: Chasse Building Team**

**Project No.: 1749**

**2400 W Broadway Road**

**Mesa, AZ 85202**

### **Subject: CES Offsite Drawings**

The work shall be carried out in accordance with the following field instructions issued in accordance with the Contract Documents provided that there will be no change in Contract Sum or Contract Time. Should it be your considered opinion that a change in the Contract Sum or Contract Time is necessary for incorporation of this work, you shall promptly notify the Architect with specific reasons or cause. Under no conditions shall you proceed with this order without prior written acknowledgement or acceptance of specific change in Contract Sum or Contract Time. Proceeding with this directiveshall constitute acceptance without additional cost or additional time.

### **Description: Review attached sheets**

**Attachments: Paving Plans sheets 1-3, Paint & Sign Plan, Traffic Sheets 1-4, Traffic Control Easement 2 pages**

### **Notes:**

**By: Neil L. Pieratt**

**Received By:**

Contractor

SPS+ Architects

**Date:**

**Date: 01/09/2020**

CITY OF PHOENIX NOTES FOR PAVING PLANS

1. COMPACTION SHALL COMPLY WITH M.A.G. SECTION 601.
2. CONSTRUCTION WITHIN THE RIGHT-OF-WAY SHALL CONFORM TO THE LATEST APPLICABLE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND DETAILS AND THE LATEST CITY OF PHOENIX SUPPLEMENT TO THE MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS.
3. THE ENGINEERING DESIGN ON THESE PLANS IS ONLY APPROVED BY THE CITY IN SCOPE AND NOT IN DETAIL. CONSTRUCTION QUANTITIES ON THESE PLANS ARE NOT VERIFIED BY THE CITY. APPROVAL OF THESE PLANS ARE FOR PERMIT PURPOSES ONLY AND SHALL NOT PREVENT THE CITY FROM REQUIRING CORRECTION OF ERRORS IN THE PLANS WHERE SUCH ERRORS ARE SUBSEQUENTLY FOUND TO BE IN VIOLATION OF ANY LAW, ORDINANCE, HEALTH, SAFETY, OR OTHER DESIGN ISSUES. IN ADDITION, THE PROPERTY OWNER MUST DEDICATE STREETS IN ACCORDANCE WITH MINIMUM RIGHT-OF-WAY STANDARDS MAP (ORDINANCE NO. 437, LATEST AMENDMENT).
4. PLAN APPROVAL IS VALID FOR 180 DAYS. PRIOR TO PLAN APPROVAL EXPIRATION, ALL ASSOCIATED PERMITS SHALL BE PURCHASED OR THE PLANS SHALL BE RESUBMITTED FOR EXTENSION OF PLAN APPROVAL. THE EXPIRATION, EXTENSION, AND REINSTATEMENT OF CIVIL ENGINEERING PLANS AND PERMITS SHALL FOLLOW THE SAME GUIDELINES AS THOSE INDICATED IN THE PHOENIX BUILDING CONSTRUCTION CODE ADMINISTRATIVE PROVISIONS SECTION 105.3 FOR BUILDING PERMITS.
5. THE CITY OF PHOENIX PLANNING AND DEVELOPMENT CIVIL/SITE INSPECTION GROUP, 602-262-7811 VOICE OR 602-534-5500 TTY, SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY CONSTRUCTION WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
6. EXISTING OR NEWLY DAMAGED AND/OR DISPLACED CONCRETE CURB, GUTTER, SIDEWALK, OR DRIVEWAY SLAB THAT IS WITHIN THE RIGHT-OF-WAY SHALL BE REPAIRED OR REPLACED, AS NOTED BY CITY INSPECTORS, BEFORE FINAL ACCEPTANCE OF THE WORK.
7. ALL NEW OR RELOCATED UTILITIES SHALL BE PLACED UNDERGROUND.
8. THE ACTUAL POINT OF PAVEMENT MATCHING, AND/OR TERMINATION, SHALL BE DETERMINED IN THE FIELD BY THE PLANNING AND DEVELOPMENT DEPARTMENT CIVIL/SITE INSPECTOR.
9. AN APPROVED PAVING PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
10. OBSTRUCTIONS TO PROPOSED IMPROVEMENTS IN THE RIGHT-OF-WAY SHALL BE REMOVED OR RELOCATED BEFORE BEGINNING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
11. ALL EXISTING CATCH BASINS MUST BE RE-LOCATED WHEN THEY ARE SHOWN IN A NEWLY PROPOSED DRIVEWAY.
12. CONSTRUCTION OF SURFACE IMPROVEMENTS SHALL NOT BEGIN UNTIL CONFLICTING UNDERGROUND UTILITY CONSTRUCTION IS COMPLETED AND SERVICE CONNECTIONS TO ALL PLATTED LOTS HAVE BEEN ADEQUATELY EXTENDED PAST THE RIGHT-OF-WAY.
13. THE PERMIT HOLDER SHALL ARRANGE FOR THE RELOCATION AND RELOCATION COSTS OF ALL UTILITIES, INCLUDING ANY STREET LIGHTS, AND SUBMIT A UTILITY RELOCATION SCHEDULE PRIOR TO THE ISSUANCE OF A CONSTRUCTION PERMIT. RELOCATION OF WATER METERS SHALL BE DONE BY THE WATER SERVICES DEPARTMENT AFTER PAYMENT OF PREVAILING FEES. RELOCATION OF CITY FIRE HYDRANTS REQUIRE A SEPARATE PLAN REVIEW AND PERMIT AT THE DEVELOPER'S EXPENSE.
14. ALL FRAMES, COVERS, VALVE BOXES, AND MANHOLE COVERS SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO COMPLETION OF PAVING OR RELATED CONSTRUCTION. ADJUSTMENT OF EXISTING "TYPE A" OR "TYPE B" WATERLINE VALVE BOXES IN THE PARKWAY SHALL BE CONSIDERED INCIDENTAL TO PARKWAY GRADING. EXISTING "TYPE B" WATERLINE VALVE BOXES SHALL BE REPLACED WITH "TYPE A" BOXES PER COP STANDARD DETAIL P1391.
15. GRADING BETWEEN BACK OF CURB AND PROPERTY LINE SHALL BE LIMITED TO 4:1 SLOPE.
16. CERTIFICATE OF OCCUPANCY (C OF O) AND/OR FINAL ELECTRICAL CLEARANCE FOR ANY BUILDING IS DENIED UNTIL ALL OFFSITE IMPROVEMENTS ARE COMPLETED.
17. TREES AND SHRUBBERY IN THE RIGHT-OF-WAY THAT CONFLICT WITH PROPOSED IMPROVEMENTS SHALL NOT BE REMOVED WITHOUT APPROVAL OF THE CITY LANDSCAPE ARCHITECT. THE PERMIT HOLDER SHALL BE RESPONSIBLE FOR OBTAINING AUTHORIZATION TO REMOVE AND/OR RELOCATE SAID TREES OR SHRUBBERY BY CALLING THE PARKS & RECREATION DEPARTMENT PRIOR TO ANY RIGHT-OF-WAY PLANT RELOCATIONS AT 602-262-6862.
18. THE PLANNING AND DEVELOPMENT CIVIL/SITE INSPECTOR MUST CONTACT STREET TRANSPORTATION DEPARTMENT, TRAFFIC SERVICES DIVISION AT 602-498-005 VOICE OR 602-534-5500 TTY TWO (2) WEEKS PRIOR TO COMPLETION OF PAVING WORK FOR SIGNING & STRIPING.
19. A PAVEMENT CUT SURCHARGE SHALL BE ASSESSED ON THIS PROJECT FOR ANY TRENCHING OR POTHOLING IN NEW ASPHALT PAVEMENT THAT IS LESS THAN 30 MONTHS OLD. SURCHARGE FEES ASSESSED ARE IN ADDITION TO THE REGULAR PERMIT FEES AND ARE OVER AND ABOVE ANY SPECIAL BACKFILL, COMPACTION, AND PAVEMENT REPLACEMENT STIPULATIONS THAT MAY BE IMPOSED AS A CONDITION OF PERMITTING. PAVEMENT CUT SURCHARGE FEES IS ASSESSED IN ACCORDANCE WITH SECTION 31-38 OF THE PHOENIX CITY CODE.

CITY OF PHOENIX NOTES:

1. CITY OF PHOENIX NOTES PER CITY OF PHOENIX ORDINANCE G-4396. THESE PLANS ARE FOR OFFICIAL USE ONLY AND MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED FOR THE CONSTRUCTION OF THE PUBLIC WORKS FACILITIES SHOWN HEREON. THE PROJECT OWNER, AND THE OWNER'S LENDERS, CONSULTANTS, CONTRACTORS AND SUBCONTRACTORS ARE PROHIBITED FROM DISCLOSING THE PLANS AND SPECIFICATIONS TO ANY PERSONS OTHER THAN THOSE WHO HAVE A NEED TO KNOW THE INFORMATION FOR THE PURPOSE OF THE PROJECT.
2. A PAVEMENT CUT SURCHARGE SHALL BE ASSESSED ON THIS PROJECT FOR ANY TRENCHING OR POTHOLING IN NEW ASPHALT PAVEMENT THAT IS LESS THAN 30 MONTHS OLD. SURCHARGE FEES ASSESSED ARE IN ADDITION TO THE REGULAR PERMIT FEES AND ARE OVER AND ABOVE ANY SPECIAL BACKFILL, COMPACTION, AND PAVEMENT REPLACEMENT STIPULATIONS THAT MAY BE IMPOSED AS A CONDITION OF PERMITTING. PAVEMENT CUT SURCHARGE FEES ARE ASSESSED IN ACCORDANCE WITH SECTION 31-38 OF THE PHOENIX CITY CODE.
3. PLAN APPROVAL IS VALID FOR 180 DAYS. PRIOR TO PLAN APPROVAL EXPIRATION, ALL ASSOCIATED PERMITS SHALL BE PURCHASED OR THE PLANS SHALL BE RESUBMITTED FOR EXTENSION OF PLAN APPROVAL. THE EXPIRATION, EXTENSION AND REINSTATEMENT OF CIVIL ENGINEERING PLANS AND PERMITS SHALL FOLLOW THE SAME GUIDELINES AS THOSE INDICATED IN THE PHOENIX BUILDING CONSTRUCTION CODE ADMINISTRATIVE PROVISIONS SECTION 105.3 FOR BUILDING PERMITS.

NOTE:

THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES UPON HIMSELF THE INTERPRETATION OF THE DRAWING OR MAKES REVISIONS TO THEM WITHOUT CONFERRING WITH THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF.

STAKING NOTES:

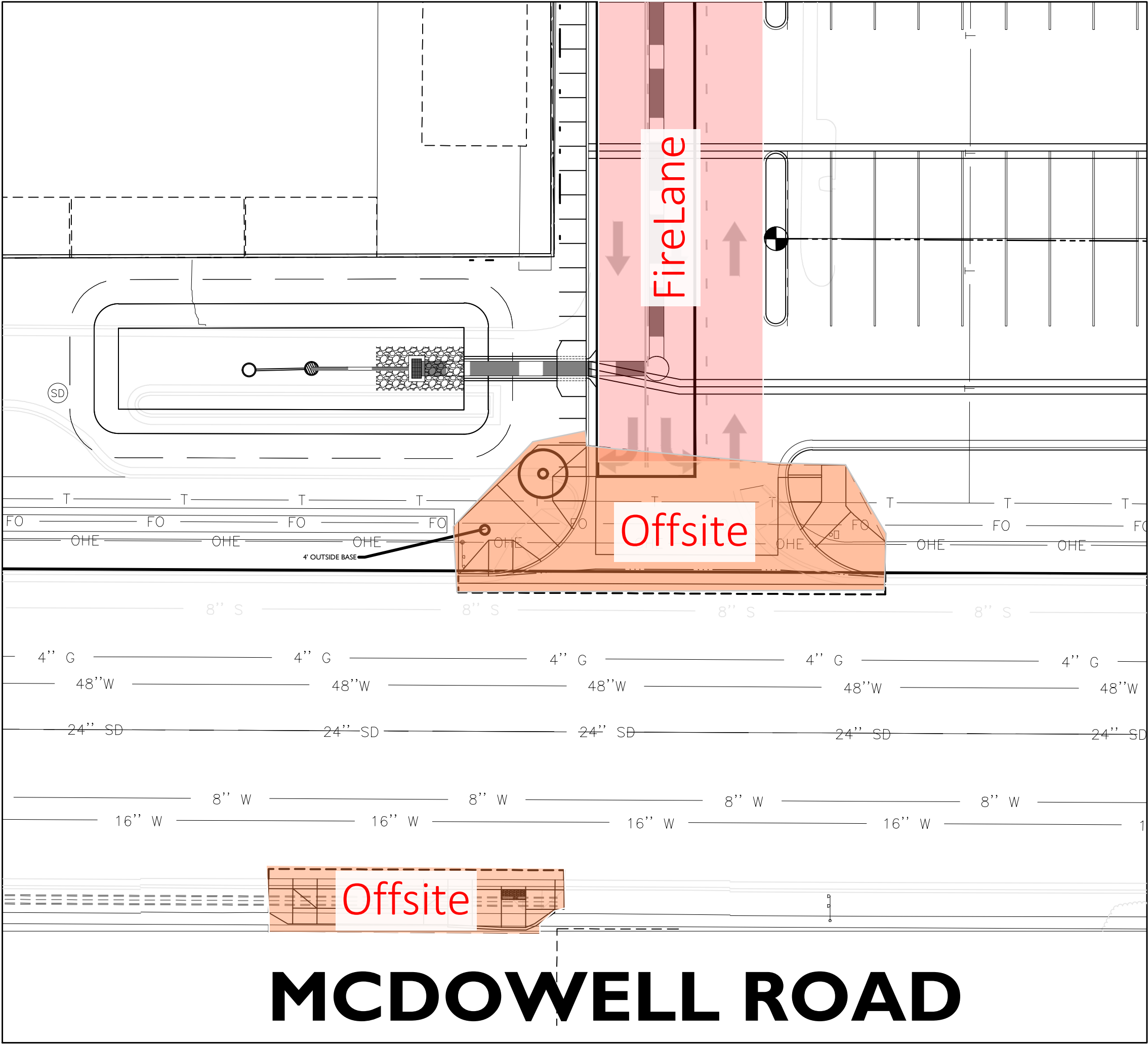
CALL THE BLUE STAKE CENTER (263-1100) 48 HOURS BEFORE DIGGING FOR LOCATION OF UNDERGROUND UTILITIES AND NOTIFY SRP.

ALL OFFSET OR REFERENCE STAKES SET BY THE ENGINEER ARE TO BE MAINTAINED INTACT. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTIONS SHALL BE PRESENTED TO ANY PARTY UNLESS SUCH STAKES ARE PRESENT AND THEIR ORIGIN IS VERIFIED. IF STAKES ARE NOT MAINTAINED INTACT, ALL CORRECTIONS SHALL BE MADE BY THE CONTRACTOR AT HIS EXPENSE.

ONE SET OF STAKES WILL BE FURNISHED BY THE OWNER FOR THE WATER LINE, WATER SERVICES, FIRE HYDRANT LOCATIONS AND GRADE, SEWER LINES AND SERVICES, CONCRETE SUBGRADE AND A.B.C.. ALL ADDITIONAL STAKING TO BE CHARGED TO THE CONTRACTOR. 24 WORKING HOUR NOTICE IS REQUIRED FOR STAKING BY THE SUBDIVISION ENGINEER.

# PAVING PLANS FOR CREIGHTON ELEMENTARY SCHOOL PHOENIX, ARIZONA

A PORTION OF THE NORTHWEST QUARTER OF SECTION 24, TOWNSHIP 2 NORTH,  
RANGE 3 EAST OF THE GILA AND SALT RIVER MERIDIAN MARICOPA COUNTY, ARIZONA



ESTIMATED QUANTITIES

QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY.  
ENGINEER MAKES NO GUARANTEE OF ACCURACY.

ITEM	QUANTITY
<strong>DEMOLITION NOTES</strong>	
10 SAWCUT AND REMOVE EXISTING EXISTING CURB AND GUTTER.	139 LF
11 SAWCUT AND REMOVE EXISTING SIDEWALK.	956 SF
14 SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO CLEAN EDGE.	137 SY
<strong>CONSTRUCTION NOTES</strong>	
1B HEAVY DUTY PAVEMENT SECTION 6 AC ON 6 ABC OR MATCH EXISTING, WHICHEVER IS THE HIGHER	34 SY
1D CONCRETE PAVEMENT SECTION 9" TYPE 'A' PCCP OVER COMPACTED SUBGRADE	649 SF
3B 6" VERT. CURB AND GUTTER MAG STD DTL 220-1 TYPE A	12 LF
3F 6' VALLEY GUTTER MAG STD DTL 240	65 SY
3G DRIVEWAY PER C.O.P. STD DTL P1255-1 MODIFIED TO WIDTH SHOWN.	1 EA
8 CONSTRUCT SIDEWALK RAMP PER COP DTL P1240. MODIFY AS SHOWN.	1 EA
8A CONSTRUCT SIDEWALK RAMP PER COP DTL P1238-2.	1 EA
45 CURB RAMP PER DETAIL I ON SHEET PV01	1 EA

SHEET INDEX:

DESCRIPTION	SHEET NO
COVER SHEET	CS01, CS02
PAVING SHEET	PV01

COORDINATION LIST:

DESCRIPTION	REPRESENTATIVE	PHONE
WATER & SEWER - CITY OF PHOENIX		
SRP IRRIGATION		
SOUTHWEST GAS		
COX COMMUNICATIONS		
CENTURY LINK		

GEOTECHNICAL REPORT

"GEOTECHNICAL ENGINEERING REPORT NEW CAMPUS REPLACEMENT. CREIGHTON ELEMENTARY SCHOOL. 2802 EAST MCDOWELL ROAD, PHOENIX, ARIZONA." RAMM (RICKER ATKINSON MCBEE MORMAN & ASSOCIATES, INC. AUGUST 14, 2018.

ARCHITECT:

**SPS+ ARCHITECTS**  
ADDRESS: 8681 E. VIA DE NEGOCIO  
SCOTTSDALE, ARIZONA 85258  
PHONE: 480-991-0800  
CONTACT: NEIL L. PIERATT  
EMAIL: neil.p@spsplusarchitects.com

CIVIL ENGINEER:

EPS GROUP, INC.  
ADDRESS: 1130 N. ALMA SCHOOL RD., STE. 120  
MESA, ARIZONA 85201  
PHONE: 480-503-2250  
CONTACT: DANIEL "OX" AUXIER  
EMAIL: dan.auxier@epsgruopinc.com

GENERAL CONTRACTOR:

CHASSE BUILDING TEAM  
ADDRESS: 2400 W. BROADWAY  
MESA, AZ 85202  
PHONE: 480-425-7777  
CONTACT: CHRIS LUBECK  
EMAIL: clubeck@chasse.us

BENCHMARK:

BRASS CAP ON SOUTH SIDE OF IRRIGATION BOX, AT SOUTH END OF SOUTHWEST RETURN, AT THE INTERSECTION OF 28 STREET AND MCDOWELL (SOUTH), HAVING AN ELEVATION OF 1131.06, NGVD-29 CITY OF PHOENIX DATUM.

PROJECT DESCRIPTION

RECONSTRUCT NEW SIDEWALK RAMP AND EAST HALF OF DRIVEWAY ALONG MCDOWELL ROAD AS PART OF PROPOSED CONSTRUCTION OF NEW FACILITIES AT CREIGHTON ELEMENTARY SCHOOL.

APPROVALS:

THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY REQUIREMENTS PRIOR TO ISSUANCE OF PERMITS. THE CITY NEITHER ACCEPTS NOR ASSUMES ANY LIABILITY FOR ERRORS OR OMISSIONS. THIS COMPLIANCE APPROVAL SHALL NOT PREVENT THE CITY ENGINEER FROM REQUIRING CORRECTIONS OF ERRORS OR OMISSIONS IN PLANS FOUND TO BE IN VIOLATION OF LAW OR ORDINANCES.

CITY OF PHOENIX ENGINEER

DATE

AS-BUILT CERTIFICATION:

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS ARE SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED ENGINEER/ LAND SURVEYOR

REGISTRATION NUMBER

DATE

OWNER:

**CREIGHTON SCHOOL DISTRICT**  
ADDRESS: 2702 E. FLOWER STREET  
PHOENIX, ARIZONA 85016  
PHONE: 602-381-6000

LANDSCAPE ARCHITECT:

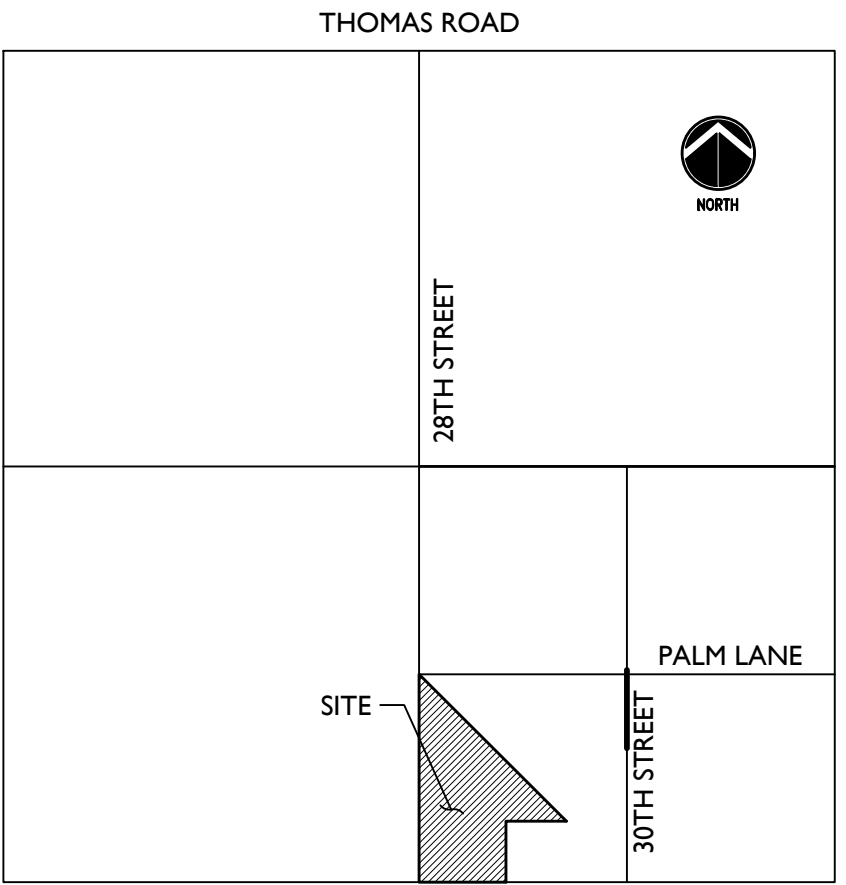
EPS GROUP, INC.  
ADDRESS: 1130 N. ALMA SCHOOL RD., STE. 120  
MESA, ARIZONA 85201  
PHONE: 480-503-2250  
CONTACT: TOM SNYDER  
EMAIL: tom.snyder@epsgruopinc.com

GEOTECHNICAL ENGINEER:

RAMM  
ADDRESS: 2105 SOUTH HARDY DRIVE, SUITE 13  
TEMPE, ARIZONA 85282  
PHONE: 480-921-8100  
CONTACT: KENNETH RICKER  
RAMM PROJECT #: G25101

BASIS OF BEARING:

THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 2, TOWNSHIP 1 NORTH, RANGE 3 EAST, THE BEARING OF WHICH IS N89°44'12"W PER GDACS SURVEY BOOK 1089, PAGE 41, M.C.R.



VICINITY MAP

NTS

CREIGHTON ELEMENTARY SCHOOL  
REPLACEMENT PROJECT  
2802 E. MCDOWELL RD  
PHOENIX, AZ

THIS DRAWING IS AN INSTRUMENT OF SERVICE & IS THE PROPERTY OF SPS+ARCHITECTS LLP & MAY NOT BE REPRODUCED OR REPRODUCTIONS HEREOF USED WITHOUT WRITTEN PERMISSION.

REVISIONS		
MARK	DATE	DESCRIPTION
	3/8/19	1st Submittal
	6/5/19	2nd Submittal
	1/7/20	3rd Submittal

100% SUBMITTAL



REVIEWED BY: EPS  
DRAWN BY: CAB



DATE: 01/07/20  
JOB No: 17-410  
SHEET: 1

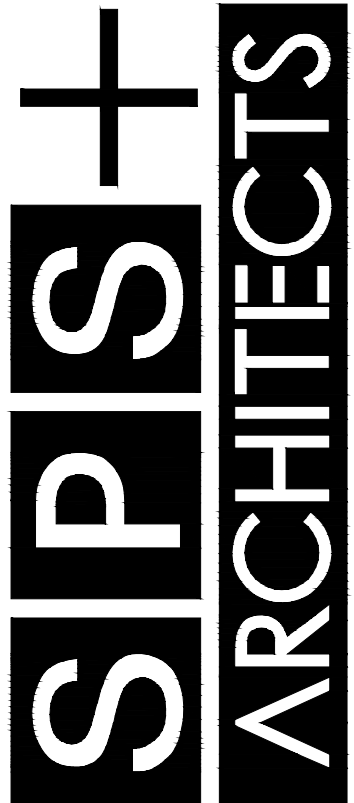
KIVA # 14-120  
SDEV # 1400196  
CPPA # 1901867  
CCPH # 1900098  
QS # 13-34

ENGINEERS GENERAL CONSTRUCTION NOTES:

- THESE PLANS ARE SUBJECT TO THE INTERPRETATION OF INTENT BY THE ENGINEER. ALL QUESTIONS REGARDING THESE PLANS SHALL BE PRESENTED TO THE ENGINEER. ANYONE WHO TAKES UPON HIMSELF THE INTERPRETATION OF THE DRAWINGS OR MAKES REVISIONS TO THEM WITHOUT CONFERRING WITH THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE CONSEQUENCES THEREOF.
- THE PLANS PREPARED FOR THIS PROJECT PRESENT A DESCRIPTION OF THE WORK TO BE ACCOMPLISHED. THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND DETERMINE, FROM HIS OWN INSPECTION, THE CONDITIONS UNDER WHICH IT IS TO BE PERFORMED. THE CONTRACTOR, BY MAKING HIS BID, REPRESENTS THAT HE HAS VISITED THE SITE AND FAMILIARIZED HIMSELF WITH LOCAL CONDITIONS, THE TYPE OF WORK TO BE PERFORMED, EVALUATED THE DIFFICULTY OF PERFORMING THE REQUIRED TASKS, AND THE LABOR, EQUIPMENT AND MATERIAL THAT ARE REQUIRED TO PROVIDE A COMPLETE PROJECT.
- THE CONTRACTOR SHALL VERIFY WITH THE DESIGN ENGINEER THAT HE HAS THE MOST CURRENT SET OF CONSTRUCTION PLANS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND MUST KEEP THE APPROVED SET OF PLANS ON-SITE FROM START OF CONSTRUCTION TO PROJECT COMPLETION. ANY CONSTRUCTION OR INSTALLATION BASED ON OUT-OF-DATE PLANS SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- QUANTITIES LISTED ON THESE PLANS ARE ESTIMATES ONLY. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES BEFORE SUBMITTING A BID FOR THIS WORK.
- UNLESS NOTED OTHERWISE, THIS PROJECT WAS DESIGNED IN AN EFFORT TO BALANCE THE EARTHWORK AS MUCH AS POSSIBLE. ANY EARTHWORK VOLUMES SHOWN ON THESE PLANS ARE FOR INFORMATION ONLY AND SHALL NOT BE USED FOR BIDDING PURPOSES. THE CONTRACTOR'S BID SHALL INCLUDE ALL COSTS ASSOCIATED WITH IMPORTING AND PLACING MATERIAL OR STOCKPILING, HAULING AND DISPOSING OF EXCESS MATERIAL IN ACCORDANCE WITH THEIR CALCULATIONS AND DETERMINATION.
- A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATIONS OF ALL UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA; HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION AND SHALL DETERMINE THE EXACT LOCATION OF SAID UTILITIES IN ADVANCE OF TRENCHING. THE ENGINEER WILL NOT GUARANTEE ANY ELEVATIONS OR LOCATIONS OF EXISTING UNDER-GROUND UTILITIES SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL CALL BLUE STAKE PRIOR TO CONSTRUCTION AND VERIFY THE PRESENCE OF UTILITIES AND SHALL PROTECT ANY OVERHEAD OR UNDERGROUND UTILITIES DURING CONSTRUCTION, WHETHER OR NOT SAID UTILITIES ARE SHOWN ON THESE PLANS. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS TO LOCATE UNDERGROUND UTILITIES AND/OR STRUCTURES IF NECESSARY TO VERIFY UNDERGROUND UTILITIES. WHERE EXISTING UNDERGROUND UTILITIES ARE EXPOSED, CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY FOR INSPECTION PRIOR TO BACKFILLING.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL POINTS OF CONNECTION PRIOR TO DIGGING BEYOND THE POINT OF CONNECTION.
- CONSTRUCTION OF THE SEWER LINE SHALL COMMENCE AT THE FURTHEST DOWNSTREAM POINT OF CONNECTION AND SHALL PROGRESS UPSTREAM FROM THAT POINT.
- ALL HANDICAP ACCESS RAMPS, PARKING STALLS, AND DELINEATED WALKWAYS SHALL BE CONSTRUCTED AND MARKED IN ACCORDANCE WITH CURRENT FEDERAL AND/OR LOCAL A.D.A. STANDARDS AND REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL AUTHORITIES PRIOR TO CONSTRUCTING AND/OR STRIPING TO CONFIRM CURRENT REQUIREMENTS.
- ALL SLOPES HIGHER THAN ONE (1) FOOT AND STEEPER THAN 20:1, UNLESS LINED WITH TURF, SHALL BE COMPACTED AND TESTED PER MAG SPECIFICATION 215. RE-COMPACTION IS RECOMMENDED PER MAG SPECIFICATION 215 AFTER INSTALLATION OF IRRIGATION LINES, AND STABILIZATION OF DECOMPOSED GRANITE IS ALSO RECOMMENDED.
- THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS SPECIFIED IN THE GEOTECHNICAL INVESTIGATION. NO PONDING DEEPER THAN 0.05' IS PERMITTED WITHIN 10' OF ANY BUILDING.
- THE CLIENT AND CONTRACTOR ASSUME ALL RESPONSIBILITY AND COSTS INCURRED IF THEY ELECT TO LANDSCAPE RETENTION BASINS BEFORE THE REQUIRED RETENTION VOLUMES HAVE BEEN CERTIFIED BY THE ENGINEER.
- THE CONTRACTOR SHALL OBTAIN PERMISSION FROM THE OWNER'S ENGINEER-OF-RECORD PRIOR TO BACKFILLING ANY WET OR DRY UTILITY MAIN OR SERVICE LINES TO ENSURE ALL INSPECTIONS AND TESTING HAS BEEN COMPLETED. NO UTILITY LINES SHALL BE BACKFILLED UNTIL AS-BUILT HORIZONTAL AND VERTICAL LOCATIONS HAVE BEEN OBTAINED. ANY ADDITIONAL COST REQUIRED SHALL BE PAID BY THE CONTRACTOR.
- THE CONTRACTOR SHALL REGISTER ALL DRYWELLS WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY AT THE CONCLUSION OF INSTALLATION AND TESTING. DRYWELL REGISTRATION NUMBERS SHALL BE PROVIDED TO THE OWNER AND ENGINEER OR RECORD.

LEGEND

	PROPOSED TOP OF CURB & GUTTER GRADE
	PROPOSED SIDEWALK ELEVATION
	PROPOSED FINISHED GRADE ELEVATION
	PROPOSED CONCRETE ELEVATION
	EXISTING NATURAL GRADE ELEVATION
	EXISTING SIDEWALK ELEVATION
	EXISTING PAVEMENT ELEVATION
	PROPOSED STORM DRAIN LINE
	GRADE BREAK
	GRADE CHANGE
	DRYWELL
	PROPOSED VERTICAL CURB
	PROPOSED ROLL CURB
	PROPOSED CENTERLINE
	PROPOSED PUE
	MANHOLE WITH GRATED COVER
	MANHOLE WITH SOLID COVER
	FLUSH BRASS CAP SURVEY MARKER PER MAG 120-1 TYPE 'B'
	WATER LINE
	WATER VALVE
	FIRE HYDRANT
	WATER METER BOX
	REDUCER
	EXISTING WATER
	GAS LINE
	SEWER LINE
	PAVING AND STORM DRAIN CONSTRUCTION NOTES
	STREET SIGN
	LANDSCAPE METER
	GAS SERVICE
	PAVEMENT
	FINISHED GRADE
	EXISTING TELEPHONE
	EXISTING OVERHEAD ELECTRIC
	EXISTING GAS
	EXISTING FIBER OPTIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING WATER
	EXISTING SEWER
	EXISTING STREET LIGHT
	EXISTING JUNCTION BOX
	EXISTING GUY WIRE
	EXISTING SEWER MANHOLE
	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING FIRE HYDRANT
	EXISTING VERTICAL CURB
	EXISTING ROLL CURB
	EXISTING STREET SIGN
	R/W LINE
	PROPERTY LINE
	PROPOSED PUE
	RIGHT OF WAY
	CENTER LINE
	SIDEWALK
	BACK OF CURB
	STATION
	EDGE OF PAVEMENT
	EXISTING
	FACE OF CURB
	GUTTER
	GRADEBREAK
	TOP OF CURB
	VALLEY GUTTER
	CONCRETE



SPS+ ARCHITECTS LLP,  
8681 E. VIA DE NEGOCIO  
SCOTTSDALE, AZ 85258  
TEL: 480.991.0800  
FAX: 480.991.2623  
spsplusarchitects.com

CREIGHTON ELEMENTARY SCHOOL  
REPLACEMENT PROJECT  
2802 E. MCDOWELL RD  
PHOENIX, AZ

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REVISIONS		
MARK	DATE	DESCRIPTION
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	6/5/19	2nd Submittal
	1/7/20	3rd Submittal

100% SUBMITTAL



REVIEWED BY: EPS  
DRAWN BY: CAB



DATE: 01/07/20

JOB No: 17-410

SHEET: 2  
of 3



**Legal Description  
Traffic Control Easement**

Job No. 17-410

December 31, 2019

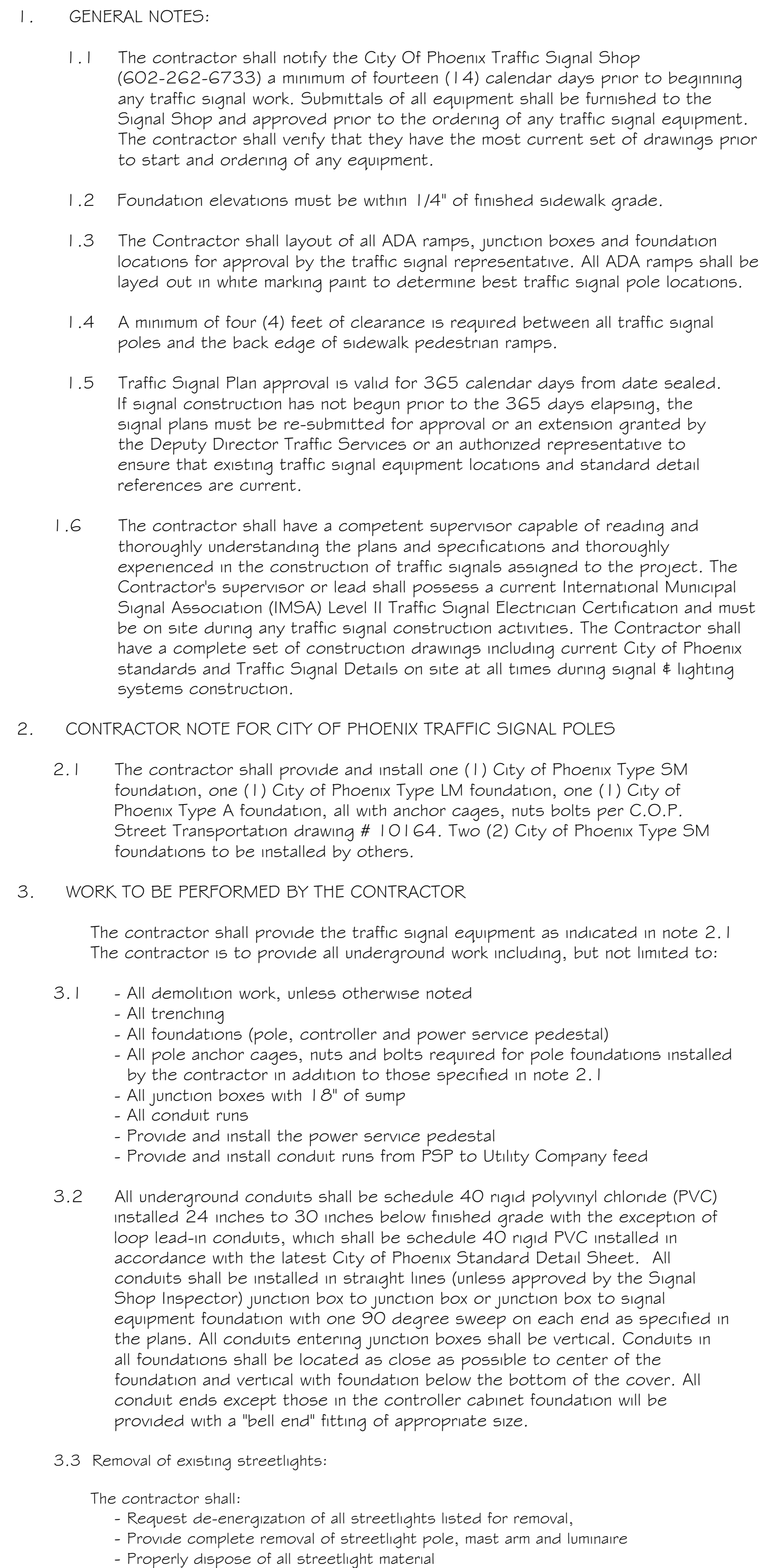
A portion of Lot 2, Morrison Tract, Book 13 of Maps, Page 4, Official Records of Maricopa County, Arizona, located in the Northeast Quarter of Section 2, Township 1 North, Range 3 East, of the Gila and Salt River Meridian, Maricopa County, Arizona, and more particularly described as follows:

The east 57.00 feet of the west 70.00 feet of the south 1.50 feet of the north 8.50' feet of said Lot 2.

Containing an area of 86 square feet or 0.0020 acres, more or less.





# TakeOffs






## Keynote 2


### (2) removal or Junction Box


## INSTALL


 thru  See Foundation Schedule

 thru  See Junction Box Schedule


 2" Schedule 40 PVC with #10 copper  
pull wire bent over lip of stubout


 2 1/2" Schedule 40 PVC with detectable mule tape


 2" Schedule 40 PVC with #10 copper  
pull wire bent over lip of stubout- By Others


 2 1/2" Schedule 40 PVC with detectable mule tape- By Others

## REMOVE

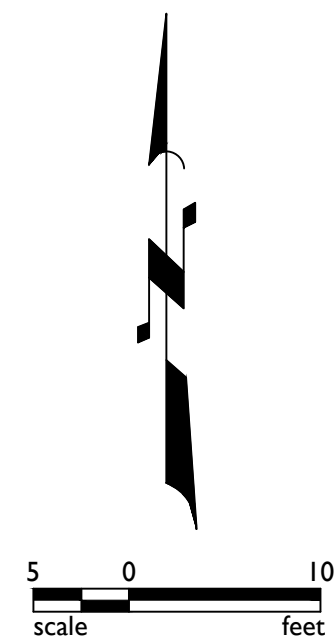
 Traffic Signal Foundation - 4

 Junction Box - 2

 Pole-Mounted Equipment - 2

 <p>Two working days before you also CALL FOR THE BLUE PRINTS!</p> <p>(602) 263-1100</p> <p>Don't Talk, Color CALL COLLECT</p>	<p>PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-26, THESE PLANS ARE FOR OFFICIAL USE ONLY &amp; MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX.*</p>			
<p>APPROVED BY: _____</p>	<p>TRAFFIC SIGNAL PLANS</p> <p>CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT</p>			
<p>TRAFFIC SIGNAL ENGINEER _____</p>	<p>McDOWELL RD &amp; CREIGHTON SCHOOL FOUNDATION</p>			
<p>DATE: _____</p>	<p>KVA# : ----- CPST: ----- FILE NO: -----</p> <p>DR: WTB DES: WTB CK: AMB SHEET NO. TOTAL</p> <p>DATE: NOV 2019 DATE: DATE: SHEETS</p>			
<p>STREET TRANSPORTATION TRAFFIC SERVICES POLYU DIRECTOR</p>	<p>SCALE: 1" = 20' QS. #: ----- I 4</p>			
<p>DATE: _____</p>				

lgarcia



CREIGHTON ELEMENTARY SCHOOL  
REPLACEMENT PROJECT  
2802 E. MCDOWELL RD  
PHOENIX, AZ

REVISIONS		
MARK	DATE	DESCRIPTION
	3/8/19	1st Submittal
	6/5/19	2nd Submittal
	1/7/20	3rd Submittal



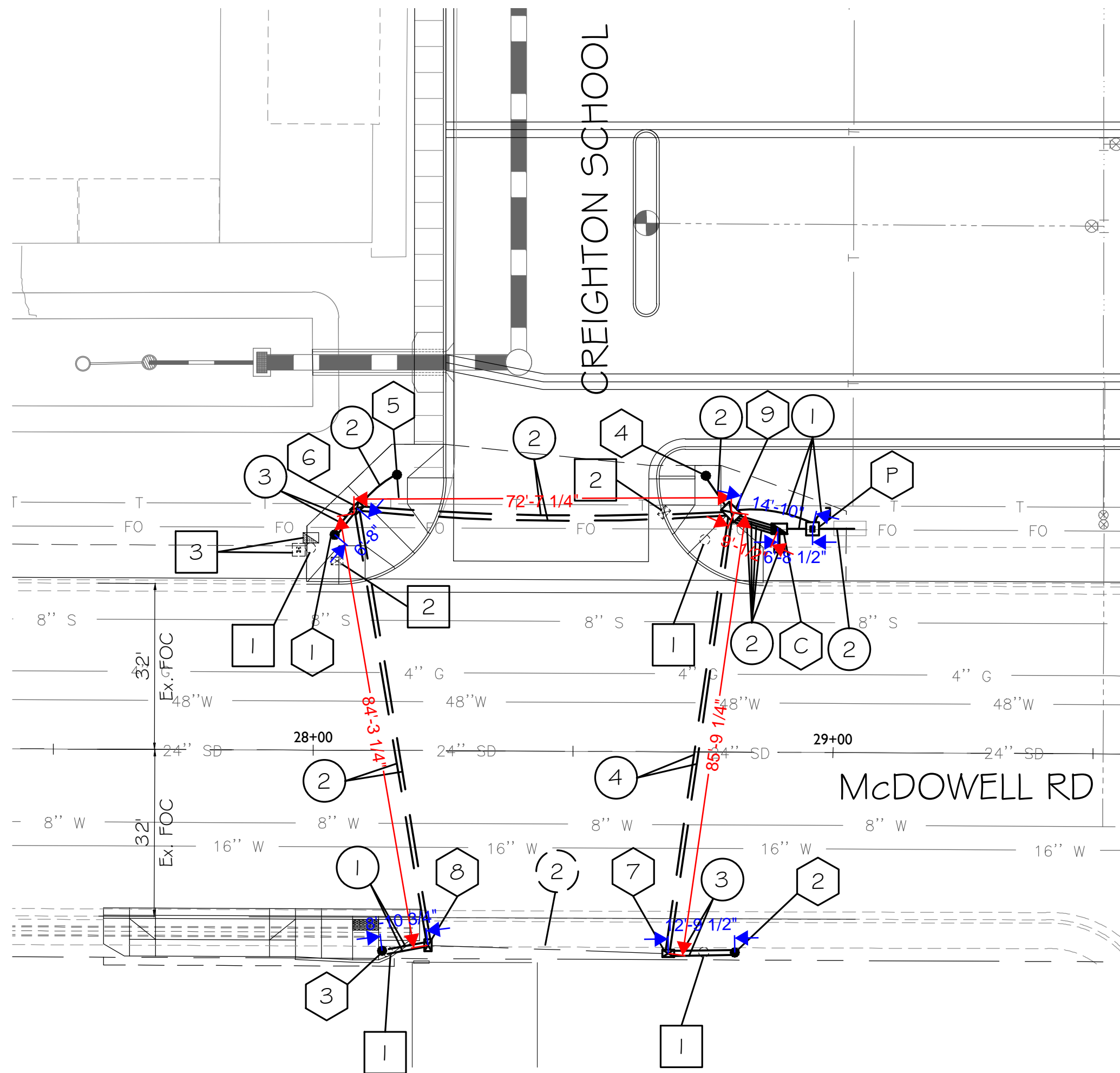
Registered Professional Engineer (Civil)  
 CERTIFICATE NO.  
 50291  
 DANIEL B.  
 AUXIER  
 Date Signed 01-07-99  
 ARIZONA, U.S.A.

DATE: 01/07/20

JOB No: 17-410

SHEET: 3 of 3

Conduit Takeoff



Keynote 2, 4  
(522' 9 1/2") of 2 1/2" Schedule 40 PVC with Detectable Mule Tape

Keynote 1, 3  
(80' 8") of 2" Schedule 40 PVC with Detectable Mule Tape  
(31' 4") of Copper Pull wire

1. GENERAL NOTES:

- 1.1 The contractor shall notify the City Of Phoenix Traffic Signal Shop (602-262-6733) a minimum of fourteen (14) calendar days prior to beginning any traffic signal work. Submittals of all equipment shall be furnished to the Signal Shop and approved prior to the ordering of any traffic signal equipment. The contractor shall verify that they have the most current set of drawings prior to start and ordering of any equipment.
- 1.2 Foundation elevations must be within 1/4" of finished sidewalk grade.
- 1.3 The Contractor shall layout of all ADA ramps, junction boxes and foundation locations for approval by the traffic signal representative. All ADA ramps shall be layed out in white marking paint to determine best traffic signal pole locations.
- 1.4 A minimum of four (4) feet of clearance is required between all traffic signal poles and the back edge of sidewalk pedestrian ramps.
- 1.5 Traffic Signal Plan approval is valid for 365 calendar days from date sealed. If signal construction has not begun prior to the 365 days elapsing, the signal plans must be re-submitted for approval or an extension granted by the Deputy Director Traffic Services or an authorized representative to ensure that existing traffic signal equipment locations and standard detail references are current.
- 1.6 The contractor shall have a competent supervisor capable of reading and thoroughly understanding the plans and specifications and thoroughly experienced in the construction of traffic signals assigned to the project. The Contractor's supervisor or lead shall possess a current International Municipal Signal Association (IMSA) Level II Traffic Signal Electrician Certification and must be on site during any traffic signal construction activities. The Contractor shall have a complete set of construction drawings including current City of Phoenix standards and Traffic Signal Details on site at all times during signal & lighting systems construction.

2. CONTRACTOR NOTE FOR CITY OF PHOENIX TRAFFIC SIGNAL POLES

- 2.1 The contractor shall provide and install one (1) City of Phoenix Type SM foundation, one (1) City of Phoenix Type LM foundation, one (1) City of Phoenix Type A foundation, all with anchor cages, nuts bolts per C.O.P. Street Transportation drawing # 10164. Two (2) City of Phoenix Type SM foundations to be installed by others.

3. WORK TO BE PERFORMED BY THE CONTRACTOR

The contractor shall provide the traffic signal equipment as indicated in note 2.1  
The contractor is to provide all underground work including, but not limited to:

- 3.1
- All demolition work, unless otherwise noted
  - All trenching
  - All foundations (pole, controller and power service pedestal)
  - All pole anchor cages, nuts and bolts required for pole foundations installed by the contractor in addition to those specified in note 2.1
  - All junction boxes with 18" of sump
  - All conduit runs
  - Provide and install the power service pedestal
  - Provide and install conduit runs from PSP to Utility Company feed
- 3.2 All underground conduits shall be schedule 40 rigid polyvinyl chloride (PVC) installed 24 inches to 30 inches below finished grade with the exception of loop lead-in conduits, which shall be schedule 40 rigid PVC installed in accordance with the latest City of Phoenix Standard Detail Sheet. All conduits shall be installed in straight lines (unless approved by the Signal Shop Inspector) junction box to junction box or junction box to signal equipment foundation with one 90 degree sweep on each end as specified in the plans. All conduits entering junction boxes shall be vertical. Conduits in all foundations shall be located as close as possible to center of the foundation and vertical with foundation below the bottom of the cover. All conduit ends except those in the controller cabinet foundation will be provided with a "bell end" fitting of appropriate size.

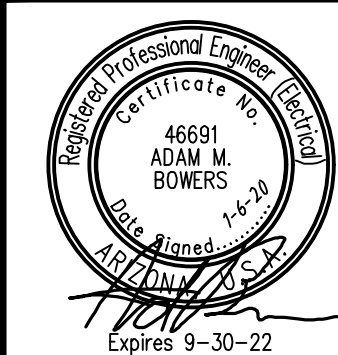
3.3 Removal of existing streetlights:

- The contractor shall:
- Request de-energization of all streetlights listed for removal,
  - Provide complete removal of streetlight pole, mast arm and luminaire
  - Properly dispose of all streetlight material

4. WORK TO BE PERFORMED BY CITY OF PHOENIX SIGNAL CREWS

The City of Phoenix traffic signal crews will provide and install all above ground traffic signal equipment including:

- All poles and mast arms
- All signal heads
- All pedestrian heads
- All APS push buttons
- All controllers
- All LED luminaires
- All illuminated street signs
- All signal wiring
- All loop and non-invasive detectors
- All pole grouting
- All cameras
- All radios



F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL
9	ARIZ.			
<b>WRIGHT</b> engineering corporation ELECTRICAL ENGINEERING AND DESIGN 165 EAST CHILTON DR • CHANDLER, AZ 85225				
PHONE 480.497.5829 FAX 480.497.5807 www.wrightengr.com			WRIGHT PROJECT # 19087	

PROPOSED FOUNDATION SCHEDULE

NO.	TYPE	STATION FROM M.O.F McDOWELL	OFFSET FROM M.O.F McDOWELL
P	PSP	28+95.9	43.0' LT
C	CONT	28+89.5	43.0' LT
1	SM	28+04.0	41.5' LT
2	SM	28+81.0	38.6' RT
3	SM	28+13.4	38.5' RT
4	LM	28+75.3	53.2' LT
5	A	28+15.8	53.1' LT

NOTE: Distance is perpendicular to roadway center line

PROPOSED JUNCTION BOX SCHEDULE

NO.	TYPE	STATION FROM M.O.F McDOWELL	OFFSET FROM M.O.F McDOWELL
6	5	28+04.7	45.3' LT
7	5	28+68.1	38.8' RT
8	5	28+22.1	37.5' RT
9	7	28+80.2	46.2' LT

NOTE: Distance is perpendicular to roadway center line

INSTALL

- 1 thru 5 See Foundation Schedule  
6 thru 9 See Junction Box Schedule

- 1 2" Schedule 40 PVC with #10 copper pull wire bent over lip of stubout
- 2 2 1/2" Schedule 40 PVC with detectable mule tape
- 3 2" Schedule 40 PVC with #10 copper pull wire bent over lip of stubout- By Others
- 4 2 1/2" Schedule 40 PVC with detectable mule tape- By Others

REMOVE

- 1 Traffic Signal Foundation - 4
- 2 Junction Box - 2
- 3 Pole-Mounted Equipment - 2



"PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX."

TRAFFIC SIGNAL PLANS

CITY OF PHOENIX, ARIZONA  
STREET TRANSPORTATION DEPARTMENT

McDOWELL RD & CREIGHTON SCHOOL  
FOUNDATION

APPROVED BY: \_\_\_\_\_

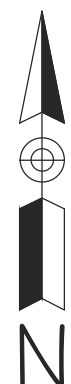
TRAFFIC SIGNAL ENGINEER \_\_\_\_\_

DATE: \_\_\_\_\_

STREET TRANSPORTATION TRAFFIC SERVICES DEPUTY DIRECTOR \_\_\_\_\_

DATE: \_\_\_\_\_

KIVA#: -----	CPST: -----	FILE NO: -----
DR: WTB	DES: WTB	CK: AMB
DATE: NOV 2019	DATE: _____	DATE: _____
SCALE: 1" = 20'	Q5. #: -----	I
		4



SIGNAL PLAN: McDOWELL RD & CREIGHTON SCHOOL KIVA#: ----- CPST: ----- FILE #: -----

# 17-410 Creighton Elementary School

Jan 07, 2020 9:20am S:\Projects\2017\17-410\Civil\Construction\Off-Site Plans\17-410 - PVD.dwg

lganda

## DEMOLITION NOTES

- 10 SAWCUT AND REMOVE EXISTING EXISTING CURB AND GUTTER.
- 11 SAWCUT AND REMOVE EXISTING SIDEWALK.
- 14 SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO CLEAN EDGE.

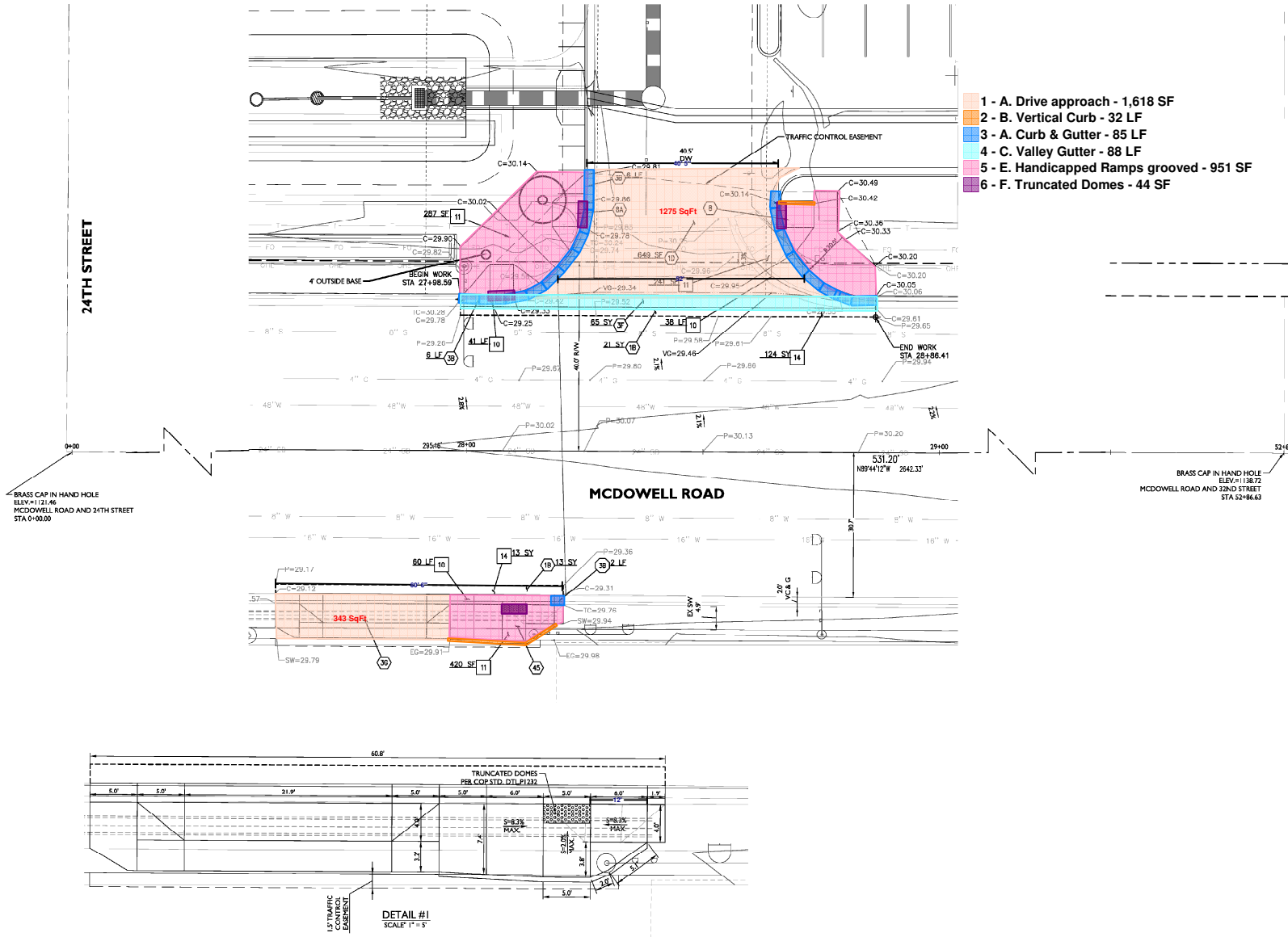
## CONSTRUCTION NOTES

- 139 LF 10 HEAVY DUTY PAVEMENT SECTION 8 AC ON 6 ABC OR MATCH EXISTING, WHICHEVER IS THE HIGHER.
- 948 SF 10 CONCRETE PAVEMENT SECTION 9" TYPE 'A' PCGP OVER COMPACTED SUBGRADE
- 137 SY 30 6" VERT. CURB AND GUTTER MAG STD DTL 220-1 TYPE A
- 3F 6' VALLEY GUTTER MAG STD DTL 240

- 34 SY 30 DRIVEWAY PER C.O.P. STD DTL P1255-1 MODIFIED TO WIDTH SHOWN.
- 6 6" CONSTRUCT SIDEWALK RAMP PER COP DTL P1240. MODIFY AS SHOWN.
- 649 SF 30 CONSTRUCT SIDEWALK RAMP PER COP DTL P1238-2.
- 12 LF 45 CURB RAMP PER DETAIL 1 ON SHEET P901
- 65 SY

- 1 EA
- 1 EA
- 1 EA
- 1 EA

- 1 - A. Drive approach - 1,618 SF
- 2 - B. Vertical Curb - 32 LF
- 3 - A. Curb & Gutter - 85 LF
- 4 - C. Valley Gutter - 88 LF
- 5 - E. Handicapped Ramps grooved - 951 SF
- 6 - F. Truncated Domes - 44 SF

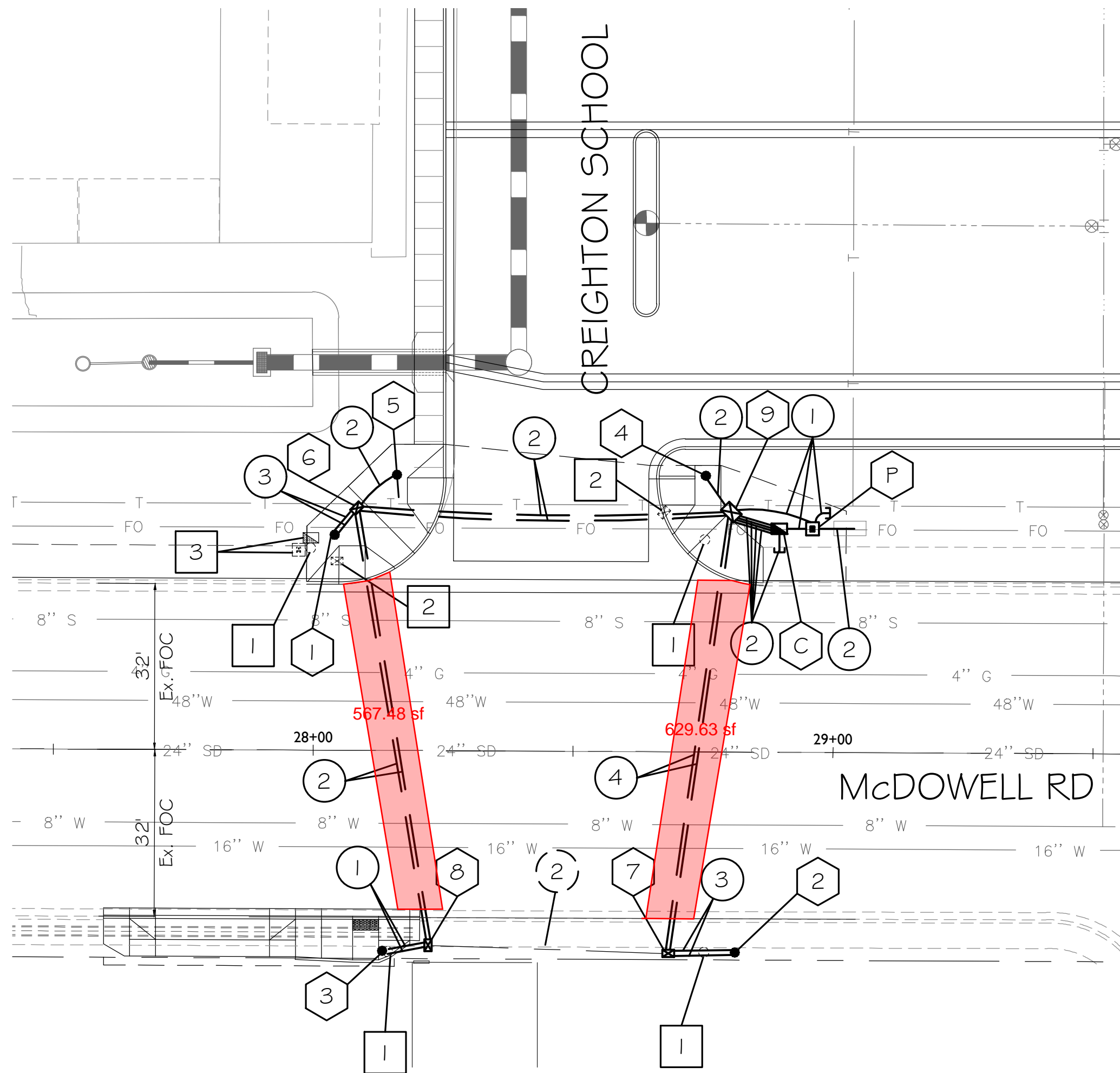


REVISIONS	DATE	DESCRIPTION
1	5/6/18	1st Submittal
2	5/31/19	2nd Submittal
3	1/22/20	3rd Submittal

100% SUBMITTAL



Microseal Takeoff



(1198 sf) of Microseal

1. GENERAL NOTES:

- 1.1 The contractor shall notify the City Of Phoenix Traffic Signal Shop (602-262-6733) a minimum of fourteen (14) calendar days prior to beginning any traffic signal work. Submittals of all equipment shall be furnished to the Signal Shop and approved prior to the ordering of any traffic signal equipment. The contractor shall verify that they have the most current set of drawings prior to start and ordering of any equipment.
- 1.2 Foundation elevations must be within 1/4" of finished sidewalk grade.
- 1.3 The Contractor shall layout of all ADA ramps, junction boxes and foundation locations for approval by the traffic signal representative. All ADA ramps shall be layed out in white marking paint to determine best traffic signal pole locations.
- 1.4 A minimum of four (4) feet of clearance is required between all traffic signal poles and the back edge of sidewalk pedestrian ramps.
- 1.5 Traffic Signal Plan approval is valid for 365 calendar days from date sealed. If signal construction has not begun prior to the 365 days elapsing, the signal plans must be re-submitted for approval or an extension granted by the Deputy Director Traffic Services or an authorized representative to ensure that existing traffic signal equipment locations and standard detail references are current.
- 1.6 The contractor shall have a competent supervisor capable of reading and thoroughly understanding the plans and specifications and thoroughly experienced in the construction of traffic signals assigned to the project. The Contractor's supervisor or lead shall possess a current International Municipal Signal Association (IMSA) Level II Traffic Signal Electrician Certification and must be on site during any traffic signal construction activities. The Contractor shall have a complete set of construction drawings including current City of Phoenix standards and Traffic Signal Details on site at all times during signal & lighting systems construction.

2. CONTRACTOR NOTE FOR CITY OF PHOENIX TRAFFIC SIGNAL POLES

- 2.1 The contractor shall provide and install one (1) City of Phoenix Type SM foundation, one (1) City of Phoenix Type LM foundation, one (1) City of Phoenix Type A foundation, all with anchor cages, nuts bolts per C.O.P. Street Transportation drawing # 10164. Two (2) City of Phoenix Type SM foundations to be installed by others.

3. WORK TO BE PERFORMED BY THE CONTRACTOR

The contractor shall provide the traffic signal equipment as indicated in note 2.1  
The contractor is to provide all underground work including, but not limited to:

- 3.1
- All demolition work, unless otherwise noted
  - All trenching
  - All foundations (pole, controller and power service pedestal)
  - All pole anchor cages, nuts and bolts required for pole foundations installed by the contractor in addition to those specified in note 2.1
  - All junction boxes with 18" of sump
  - All conduit runs
  - Provide and install the power service pedestal
  - Provide and install conduit runs from PSP to Utility Company feed
- 3.2 All underground conduits shall be schedule 40 rigid polyvinyl chloride (PVC) installed 24 inches to 30 inches below finished grade with the exception of loop lead-in conduits, which shall be schedule 40 rigid PVC installed in accordance with the latest City of Phoenix Standard Detail Sheet. All conduits shall be installed in straight lines (unless approved by the Signal Shop Inspector) junction box to junction box or junction box to signal equipment foundation with one 90 degree sweep on each end as specified in the plans. All conduits entering junction boxes shall be vertical. Conduits in all foundations shall be located as close as possible to center of the foundation and vertical with foundation below the bottom of the cover. All conduit ends except those in the controller cabinet foundation will be provided with a "bell end" fitting of appropriate size.

3.3 Removal of existing streetlights:

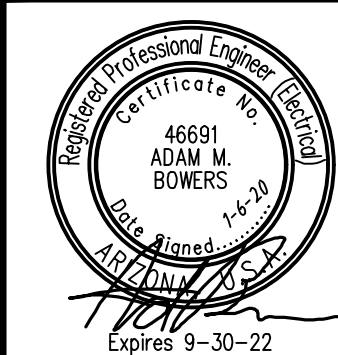
The contractor shall:

- Request de-energization of all streetlights listed for removal,
- Provide complete removal of streetlight pole, mast arm and luminaire
- Properly dispose of all streetlight material

4. WORK TO BE PERFORMED BY CITY OF PHOENIX SIGNAL CREWS

The City of Phoenix traffic signal crews will provide and install all above ground traffic signal equipment including:

- All poles and mast arms
- All signal heads
- All pedestrian heads
- All APS push buttons
- All controllers
- All LED luminaires
- All illuminated street signs
- All signal wiring
- All loop and non-invasive detectors
- All pole grouting
- All cameras
- All radios



F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL
9	ARIZ.			
<b>WRIGHT</b> engineering corporation ELECTRICAL ENGINEERING AND DESIGN 165 EAST CHILTON DR • CHANDLER, AZ 85225				
PHONE 480.497.5829 FAX 480.497.5807 www.wrightengr.com			WRIGHT PROJECT # 19087	

PROPOSED FOUNDATION SCHEDULE

NO.	TYPE	STATION FROM M.O.F McDOWELL	OFFSET FROM M.O.F McDOWELL
P	PSP	28+95.9	43.0' LT
C	CONT	28+89.5	43.0' LT
1	SM	28+04.0	41.5' LT
2	SM	28+81.0	38.6' RT
3	SM	28+13.4	38.5' RT
4	LM	28+75.3	53.2' LT
5	A	28+15.8	53.1' LT

NOTE: Distance is perpendicular to roadway center line

PROPOSED JUNCTION BOX SCHEDULE

NO.	TYPE	STATION FROM M.O.F McDOWELL	OFFSET FROM M.O.F McDOWELL
6	5	28+04.7	45.3' LT
7	5	28+68.1	38.8' RT
8	5	28+22.1	37.5' RT
9	7	28+80.2	46.2' LT

NOTE: Distance is perpendicular to roadway center line

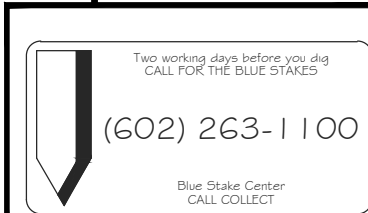
INSTALL

- 1 thru 5 See Foundation Schedule  
6 thru 9 See Junction Box Schedule

- 1 2" Schedule 40 PVC with #10 copper pull wire bent over lip of stubout
- 2 2 1/2" Schedule 40 PVC with detectable mule tape
- 3 2" Schedule 40 PVC with #10 copper pull wire bent over lip of stubout- By Others
- 4 2 1/2" Schedule 40 PVC with detectable mule tape- By Others

REMOVE

- 1 Traffic Signal Foundation - 4
- 2 Junction Box - 2
- 3 Pole-Mounted Equipment - 2



"PER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR OFFICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX."

TRAFFIC SIGNAL PLANS

CITY OF PHOENIX, ARIZONA  
STREET TRANSPORTATION DEPARTMENT

McDOWELL RD & CREIGHTON SCHOOL  
FOUNDATION

KIVA#: -----	CPST: -----	FILE NO: -----
DR: WTB	DES: WTB	CK: AMB
DATE: NOV 2019	DATE:	DATE:
SCALE: 1" = 20'	Q5. #: -----	I
		4



SIGNAL PLAN: McDOWELL RD & CREIGHTON SCHOOL  
KIVA#: -----  
CPST: -----  
FILE #: -----