Schedule of Values

						ADJACENT WAYS
SFB AW 20	0-18				SCHE	DULE OF VALUES
		2 1 1 5 1				
	School District	Creighton Element	ary			
	SFB Project Number	000 - 4				
	Architect Name	SPS + Architects	B. b !!.d			
	CM @ Risk Name	Creighton Element	ary Rebuild			
	County	Maricopa				
		-				
	Dormitting	Maricopa / Phoenix				
	Permitting (Name of County/City)	Maricopa / Prideriis	K .		\$0.00	AW-Y 🗆
	GMP	\$472,686.00			φ0.00	AW-N
	Similar Simila	φ412,000.00				AII-II
			Cost per		Other On-Site	
	= Cells to be completed - as	-	Unit	District	Funding	Off-Site
	required	Quantity	(no markup)	Cost	(Adjacent Ways, etc.)	Adjacent Ways
Div.4	GENERAL CONDITIONS		(, , , , , , , , , , , , , , , , , , ,	***	(Adjacent Ways, etc.)	.,
Div 1 01 50 00		02.074.00				\$190.214.00
01 50 00	tempory facilites	92,071.00				\$189,314.00
01 56 19	dust control track off pads	92,071.00 92,071.00				
01 37 13	Division 1 total	92,071.00		\$0.00	\$0.00	\$189,314.00
Div 2	EXISTING CONDITIONS			ψ0.00	ψ0.00	ψ103,514.00
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				ψ17,090.00
02 00 00	Division 2 total	32,071.00		\$0.00	\$0.00	\$22,293.00
Div 3	CONCRETE			ψ0.00	ψ0.00	ΨΖΣ,ΣΟΟ.ΟΟ
03 00 00	footings/walls	92,071.00				\$28,833.00
03 00 00	building	92,071.00				Ψ20,000.00
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				
	Division 3 total	32,01110		\$0.00	\$0.00	\$28,833.00
Div 4	MASONRY			,	44.44	¥=0,000.00
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				
	Division 4 total			\$0.00	\$0.00	\$0.00
Div 5	METALS					
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				
	Division 5 total			\$0.00	\$0.00	\$0.00
Div 6	WOODS/PLASTICS/COMPOSITES					
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				
	Division 6 total			\$0.00	\$0.00	\$0.00

	= Cells to be completed - as		Cost per Unit	District	Other On-Site Funding	Off-Site
-	required	Quantity	(no markup)	Cost	(Adjacent Ways, etc.)	Adjacent Ways
Div 7	THERMAL/MOISTURE			<u> </u>		
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 92,071.00				
07 72 00 07 81 00	roof accessories 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				
	Division 7 total			\$0.00	\$0.00	\$0.00
Div 8	OPENINGS					
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		44.44	***	#0.00
1						
Div 9	Division 8 total			\$0.00	\$0.00	\$0.00
Div 9	FINISHES	92 071 00		\$0.00	\$0.00	\$0.00
09 24 00	FINISHES stucco/EIFS systems	92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00	FINISHES stucco/EIFS systems interior metal studs/gypsum board	92,071.00		\$0.00	\$0.00	\$0.00
09 24 00	FINISHES stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing			\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00	FINISHES stucco/EIFS systems interior metal studs/gypsum board	92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00 09 23 00	FINISHES stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster	92,071.00 92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings	92,071.00 92,071.00 92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 31 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 31 00 09 65 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 31 00 09 65 00 09 68 00 09 64 00 09 67 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 31 00 09 65 00 09 68 00 09 64 00 09 67 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 31 00 09 65 00 09 68 00 09 64 00 09 67 00 09 80 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 31 00 09 65 00 09 68 00 09 64 00 09 67 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 64 00 09 67 00 09 80 00 09 90 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00		\$0.00	\$0.00	\$0.00
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 64 00 09 67 00 09 80 00 09 90 00 09 77 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 64 00 09 67 00 09 80 00 09 90 00 09 77 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 67 00 09 80 00 09 90 00 09 77 00 Div 10 10 11 00 10 14 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 67 00 09 80 00 09 90 00 09 77 00 Div 10 10 11 00 10 14 00 10 21 13	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 31 00 09 65 00 09 68 00 09 64 00 09 67 00 09 80 00 09 77 00 Div 10 10 11 00 10 14 00 10 21 13 10 21 23	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories cubicle track & curtain	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 51 00 09 65 00 09 68 00 09 64 00 09 67 00 09 90 00 09 77 00 Div 10 10 11 00 10 21 13 10 21 23 10 22 26	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories cubicle track & curtain operable partitions/walls	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 22 00 09 23 00 09 51 00 09 31 00 09 65 00 09 68 00 09 64 00 09 67 00 09 80 00 09 77 00 Div 10 10 11 00 10 14 00 10 21 13 10 21 23	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories cubicle track & curtain	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 64 00 09 67 00 09 90 00 09 77 00 Div 10 10 11 00 10 14 00 10 21 13 10 22 26 10 26 00 10 44 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories cubicle track & curtain operable partitions/walls wall protection	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 64 00 09 67 00 09 90 00 09 77 00 Div 10 10 11 00 10 21 13 10 21 23 10 22 26 10 20 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories cubicle track & curtain operable partitions/walls wall protection fire exttinguishers & cabinets lockers	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 64 00 09 67 00 09 90 00 09 77 00 Div 10 10 11 00 10 21 13 10 21 23 10 22 26 10 26 00 10 44 00 10 50 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories cubicle track & curtain operable partitions/walls wall protection fire exttinguishers & cabinets	92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00 92,071.00				
09 24 00 09 20 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 64 00 09 67 00 09 80 00 09 77 00 Div 10 10 11 00 10 14 00 10 21 13 10 21 23 10 22 26 10 26 00 10 44 00 10 50 00 10 56 13	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories cubicle track & curtain operable partitions/walls wall protection fire exttinguishers & cabinets lockers storage shelving	92,071.00 92,071.00				
09 24 00 09 20 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 64 00 09 67 00 09 80 00 09 77 00 Div 10 10 11 00 10 21 13 10 21 23 10 22 26 10 26 00 10 44 00 10 50 00 10 56 13 10 73 00	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories cubicle track & curtain operable partitions/walls wall protection fire exttinguishers & cabinets lockers storage shelving shelters	92,071.00 92,071.00				
09 24 00 09 20 00 09 20 00 09 22 00 09 23 00 09 51 00 09 65 00 09 68 00 09 68 00 09 67 00 09 80 00 09 77 00 Div 10 10 11 00 10 14 00 10 21 13 10 21 23 10 22 26 10 26 00 10 44 00 10 50 00 10 56 13 10 73 00 10 73 13	stucco/EIFS systems interior metal studs/gypsum board exterior metal stud framing decorative plaster acoustical ceilings ceramic tile resilient flooring carpet wood floors epoxy sound panels painting fiberglass reinforced panels Division 9 total SPECIALTIES visual display boards signage toilet partitions & accessories cubicle track & curtain operable partitions/walls wall protection fire exttinguishers & cabinets lockers storage shelving shelters awnings	92,071.00 92,071.00				

			Cost per		Other On-Site	
	= Cells to be completed - as		Unit	District	Funding	Off-Site
	required	Quantity	(no markup)	Cost	(Adjacent Ways, etc.)	Adjacent Ways
Div 11	EQUIPMENT					
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 11 53 13	projection screens fume hoods	92,071.00 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				
	Division 11 total			\$0.00	\$0.00	\$0.00
Div 12	FURNISHINGS					
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 12 93 13	auditorium seating	92,071.00				
12 93 13	bike racks trash enclosures	92,071.00 92,071.00				
12 93 23	Division 12 total	92,07 1.00		\$0.00	\$0.00	\$0.00
Div 13	SPECIAL CONST			ψ0.00	ψ0.00	ψ0.00
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				
	Division 13 total			\$0.00	\$0.00	\$0.00
Div 14	CONVEYING					
14 00 00	material handling	92,071.00				
14 20 00	elevators	92,071.00 92,071.00				
14 42 00	wheelchair lifts Division 14 total	92,071.00		00.00	¢0.00	\$0.00
Div 21	FIRE SUPPRESSION			\$0.00	\$0.00	\$0.00
21 10 00	fire protection/sprinklers	92,071.00				
21 10 00	Division 21 total	02,011.00		\$0.00	\$0.00	\$0.00
Div 22	PLUMBING			,,,,,	,,,,,	,,,,,,
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				
	Division 22 total			\$0.00	\$0.00	\$0.00
Div 23	MECHANICAL machanical insulation	00.074.00				
23 07 13 23 50 00	mechanical insulation	92,071.00				
23 60 00	HVAC - central plant (cooling) HVAC - central plant (heating)	92,071.00 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		40.55	40.55	40.55
Div. 67	Division 23 total			\$0.00	\$0.00	\$0.00
Div 25 25 50 00	INTEGRATED AUTOMATION	02.074.00				
20 00 00	EMS Division 25 total	92,071.00		\$0.00	\$0.00	\$0.00
Div 26	ELECTRICAL			ψ0.00	φυ.υυ	φυ.υι
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				
	Division 26 total			\$0.00	\$0.00	\$0.00
Div 27	COMMUNICATIONS					
27 20 00	data cabling	92,071.00				
07.04.00	TV cabling	92,071.00				
27 24 00	·					
27 30 00	intercom	92,071.00				
		92,071.00 92,071.00		\$0.00	\$0.00	\$0.0

П						
=			Cost per		Other On-Site	
	= Cells to be completed - as		Unit	District	Funding	Off-Site
	required	Quantity	(no markup)	Cost	(Adjacent Ways, etc.)	Adjacent Ways
Div 28	SAFETY AND SECURITY					
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				
	Division 28 total			\$0.00	\$0.00	\$0.00
Div 31	EARTHWORK					
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				
	Division 31 total			\$0.00	\$0.00	\$0.00
Div 32	EXTERIOR IMPROVEMENTS					
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				
	Division 32 total			\$0.00	\$0.00	\$34,920.00
Div 33	UTILITIES					
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				
	Division 33 total			\$0.00	\$0.00	\$104,696.00
	Subtotal	\$380,056.00		\$0.00	\$0.00	\$380,056.00
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
	Subtotal	\$472,686.00		\$0.00	\$0.00	\$472,686.00
	Grand Guaranteed	\$472,68	36.00			
	Maximum Price (GMP)	Ψ-11 2,00				

Project: Creighton Offsites

Date: 3/2/2020



CSI Div	Description	Total Quantities	Units	Total Cost
1A	Survey and Layout			
	SURVEY	22.5	HR	\$3,825.00
	CADD Tech Prep	6	HR	\$570.00
	Subtotal Survey and Layout			\$4,395.00
2A	Demolition			
	Demo	1	LS	\$4,800.00
	Site Demo	1	LS	\$17,898.00
	Subtotal Demolition			\$22,293.00
3A	Concrete			
	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
	Subtotal Concrete			\$28,833.00
32A	Earthwork			
	6" ABC Patch	44	sy	\$15,760.00
	Mircoseal	1198	sy	\$19,160.00
	Subtotal Earthwork			\$34,920.00
33A	Traffic Signal			
	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
	Subtotal Traffic Signal			\$104,696.00
1				





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:

Received By:		Ву:	Neil L. Pieratt
_	Contractor		SPS+ Architects
Date:		Date:_	01/09/2020

CITY OF PHOENIX NOTES FOR PAVING PLANS

- COMPACTION SHALL COMPLY WITH M.A.G. SECTION 601. 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.
- 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).
- 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.
- 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.
- 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
- 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
- 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
- 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
- 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.

A" BOXES PER COP STANDARD DETAIL P1391.

- 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 602-495-0205 VOICE OR 602-534-5500 TTY TWO (2) WEEKS PRIOR TO COMPLETION OF PAVING WORK FOR
- 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:

- 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.
- 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.
- 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.

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

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.

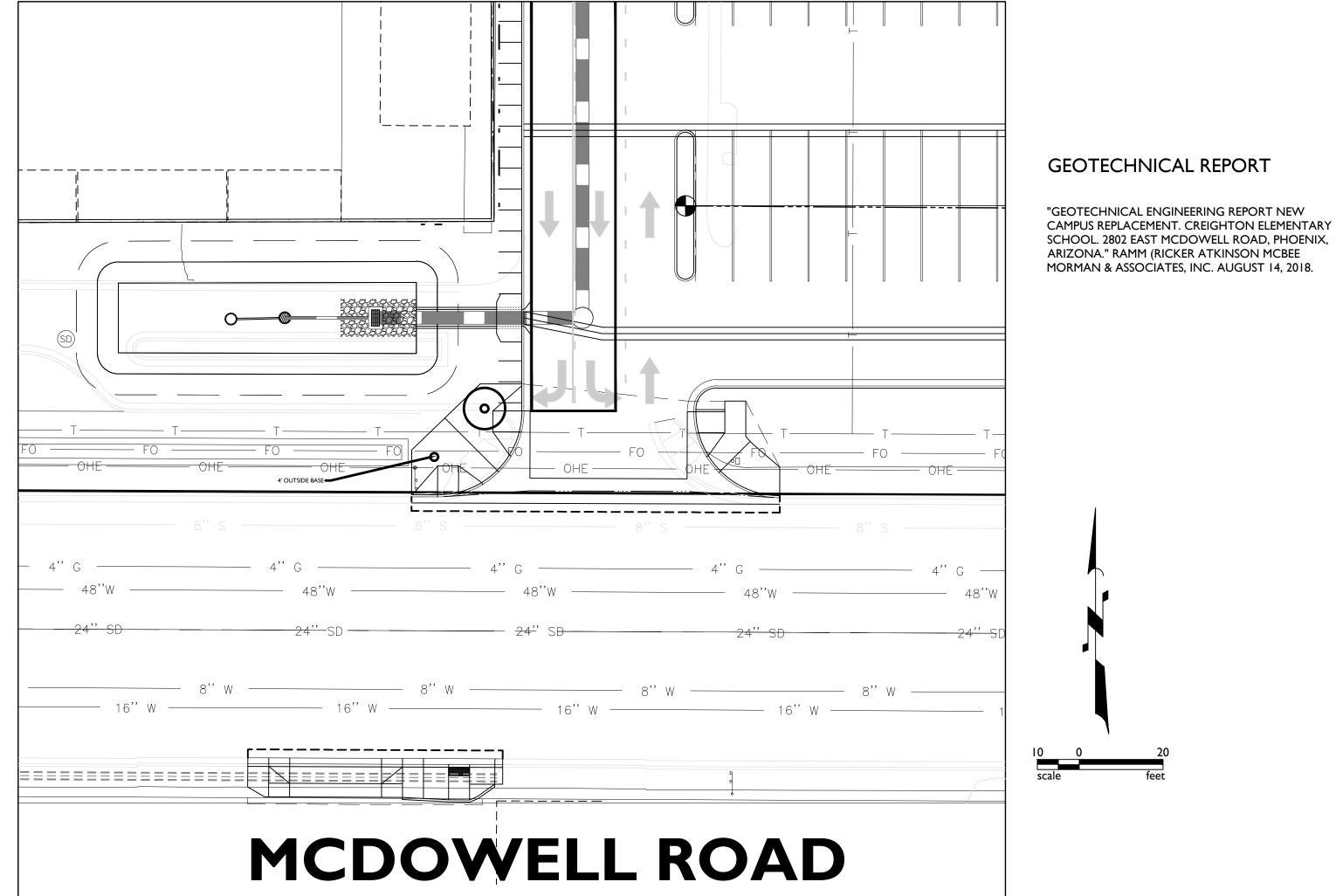
ONE SET OF STAKES WILL BE FURNISHED BY THE OWNER FOR THE WATER LINE, WATER SERVICES, FIRE HYDRANT LOCATIONS AND GRADE, SEWER LINES AND SERVICES, CONCRETE SUBGRADE AND A.B.C.. ALL ADDITIONAL STAKING TO BE CHARGED TO THE CONTRACTOR. 24 WORKING HOUR NOTICE IS REQUIRED FOR STAKING BY THE SUBDIVISION ENGINEER.

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
DEMOLITION NOTES	
SAWCUT AND REMOVE EXISTING EXISTING CURB AND GUTTER.	139 LF
II SAWCUT AND REMOVE EXISTING SIDEWALK.	956 SF
SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO CLEAN EDGE.	137 SY
CONSTRUCTION NOTES	
(IB) HEAVY DUTY PAVEMENT SECTION 6 AC ON 6 ABC OR MATCH EXISTING, WICHEVER IS THE HIGHER	34 SY
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	I2 LF
(3F) 6' VALLEY GUTTER MAG STD DTL 240	65 SY
ORIVEWAY PER C.O.P. STD DTL P1255-1 MODIFIED TO WIDTH SHOWN.	I EA
8 CONSTRUCT SIDEWALK RAMP PER COP DTL P1240. MODIFY AS SHOWN.	I EA
(8A) CONSTRUCT SIDEWALK RAMP PER COP DTL P1238-2.	I EA
CURB RAMP PER DETAIL I ON SHEET PV01	I EA

SHEET INDEX:

_		
DESCRIP	TION	SHEET NO
COVER SHEET	CS01, CS02	1-2
PAVING SHEET	PV01	3

COORDINATION LIST:

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

PALM LANE SITE -McDOWELL ROAD **VICINITY MAP**

THOMAS ROAD

ARCHITECT: SPS+ ARCHITECTS ADDRESS: 8681 E. VIA DE NEGOCIO SCOTTSDALE, ARIZONA 85258

PHONE: CONTACT: NEIL L. PIERATT 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@epsgroupinc.com **GENERAL CONTRACTOR:**

CHASSE BUILDING TEAM ADDRESS: 2400 W. BROADWAY

MESA, AZ 85202 480-425-7777 PHONE: CONTACT: CHRIS LUBECK 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.

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

CITY OF PHOENIX ENGINEER

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

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

OWNER:

CREIGHTON SCHOOL DISTRICT ADDRESS: 2702 E. FLOWER STREET PHOENIX, ARIZONA 85016 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@epsgroupinc.com

GEOTECHNICAL ENGINEER:

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 I NORTH, RANGE 3 EAST. THE BEARING OF WHICH IS N89°44'12"W PER GDACS SURVEY BOOK 1089, PAGE 41, M.C.R.

PROJECT DESCRIPTION

PERMITS. THE CITY NEITHER ACCEPTS NOR ASSUMES ANY LIABILITY FOR ERRORS OR OMISSIONS. THIS COMPLIANCE APPROVAL SHALL NOT PREVENT THE CITY ENGINEER FROM REOUIRING CORRECTIONS OF ERRORS OR OMISSIONS IN PLANS FOUND TO BE IN VIOLATION OF LAW OR ORDINANCES.

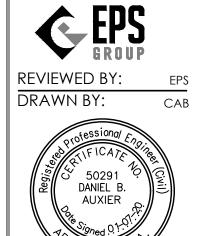
MARK DATE DESCRIPTION
3/8/19 1st Submittal
6/5/19 2nd Submittal 1/7/20 3rd Submitt

100% SUBMITTAL

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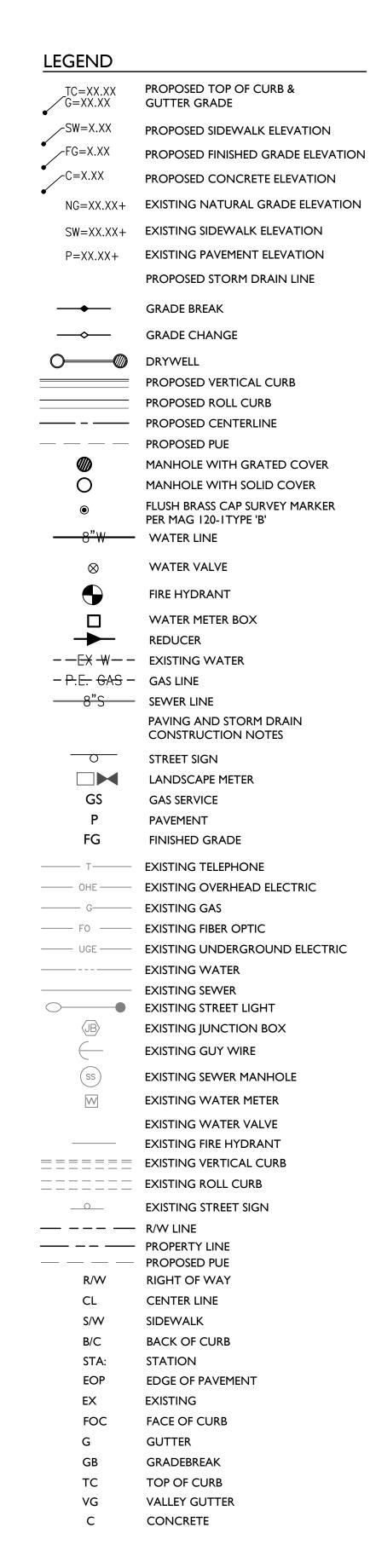
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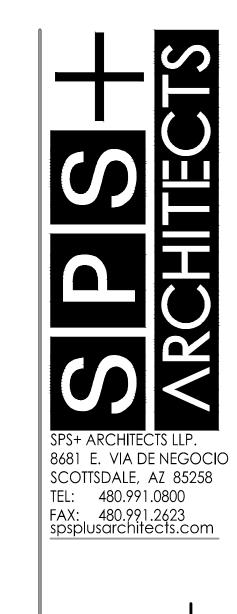
1400196 SDEV# 1901867 CPPA# CCPH# 1900098 13-34

14-120

ENGINEERS GENERAL CONSTRUCTION NOTES:

- I. 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.
- 2. 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.
- 3. 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.
- 4. QUANTITIES LISTED ON THESE PLANS ARE ESTIMATES ONLY. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES BEFORE SUBMITTING A BID FOR THIS WORK.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL POINTS OF CONNECTION PRIOR TO DIGGING BEYOND THE POINT OF CONNECTION.
- 9. CONSTRUCTION OF THE SEWER LINE SHALL COMMENCE AT THE FURTHEST DOWNSTREAM POINT OF CONNECTION AND SHALL PROGRESS UPSTREAM FROM THAT POINT.
- 10. 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.
- 11. ALL SLOPES HIGHER THAN ONE (I) 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.
- 12. 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.
- 13. 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.
- 14. 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.
- 15. 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.





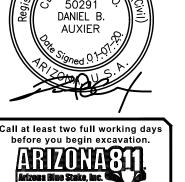
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3/8/19 1st Submittal
6/5/19 2nd Submittal

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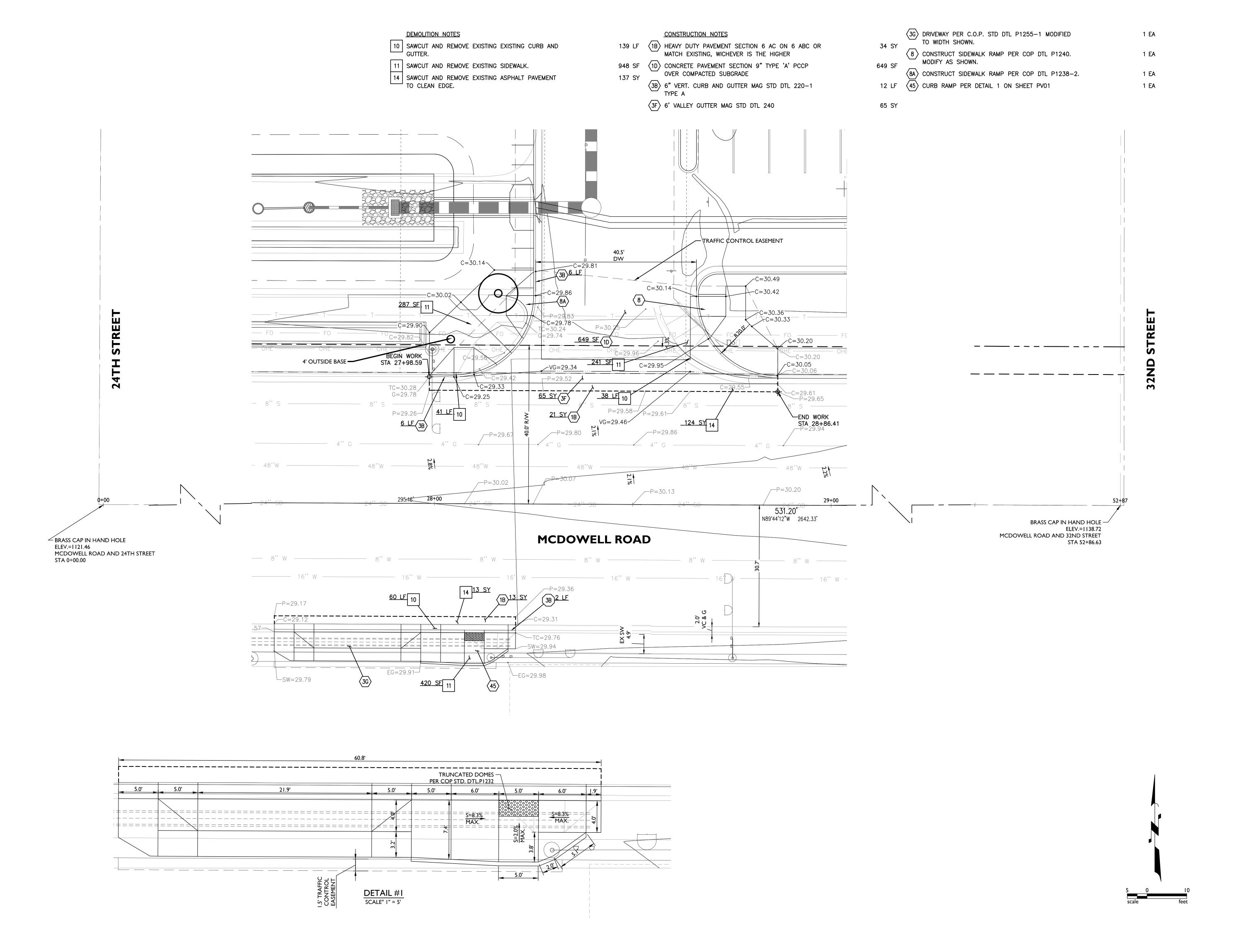
1/7/20 3rd Submitte





ial 8-1-1 or 1-800-STAKE-IT (782-5348 In Maricopa County: (602)263-1100 DATE: 01/07/20 JOB No: 17-410

SHEET:



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

N ELEMENTARY SCHOLACEMENT PROJECT
32 E. MCDOWELL RD
PHOENIX, AZ

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IARK DATE DESCRIPTION

3/8/19 1st Submitte

6/5/19 2nd Submitte

1/7/20 3rd Submitte

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Call at least two full working days before you begin excavation.

ARIONASI

Arizona Bino Stake, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348) In Maricopa County: (602)263-1100

DATE: 01/07/20

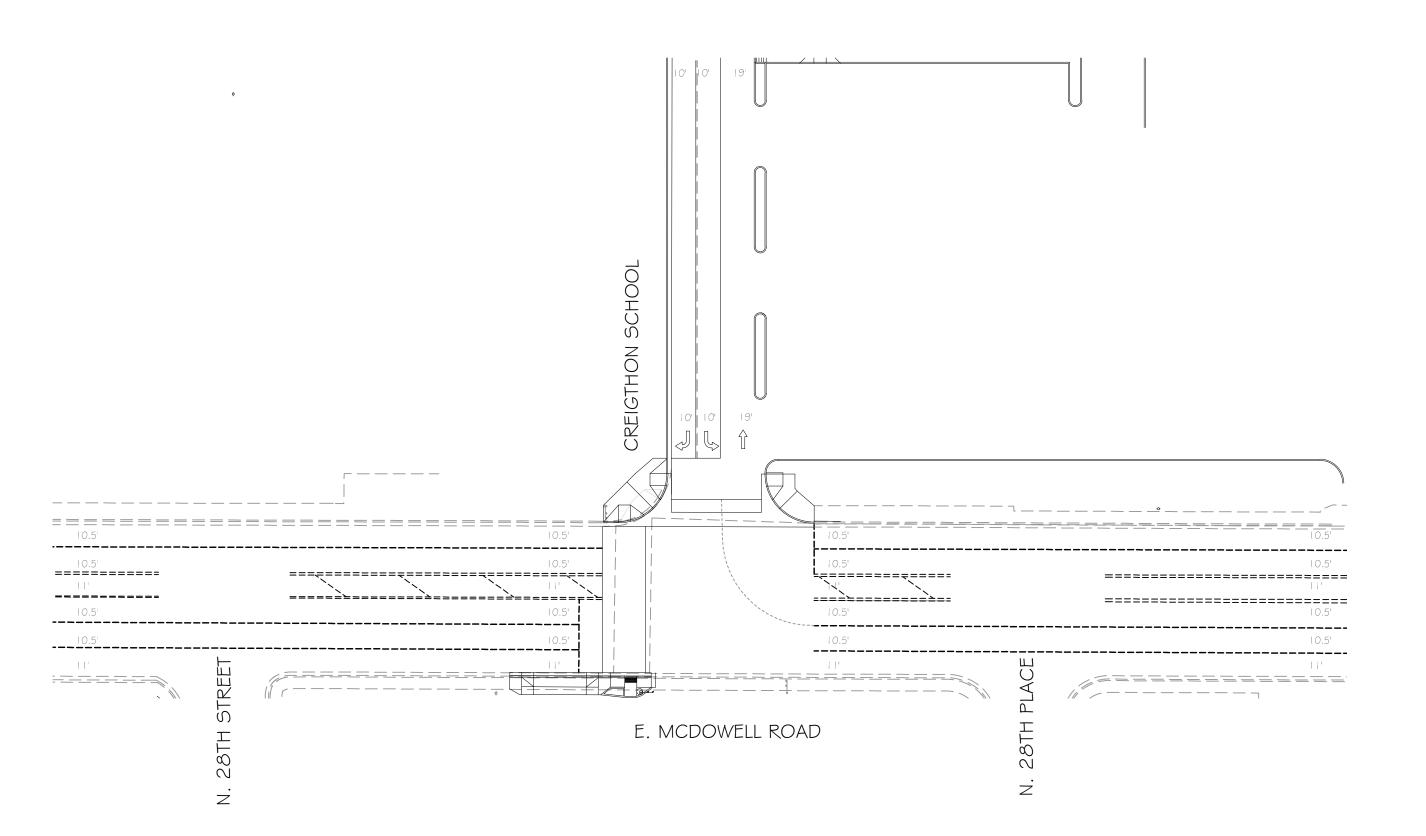
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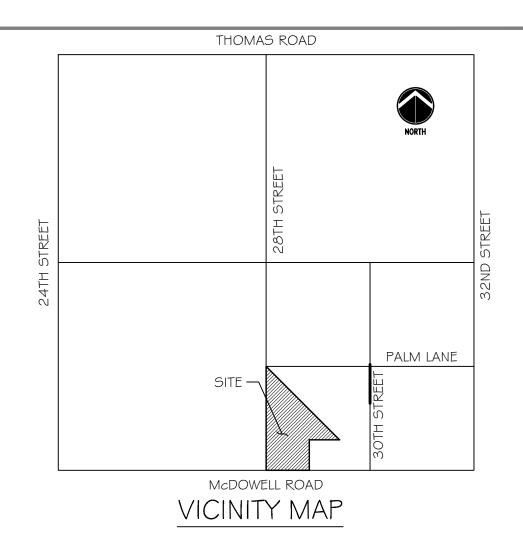
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of 3

PAINT & SIGN PLAN 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





ARCHITECT:

SPS+ ARCHITECTS ADDRESS: 868 | 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@epsgroupinc.com

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

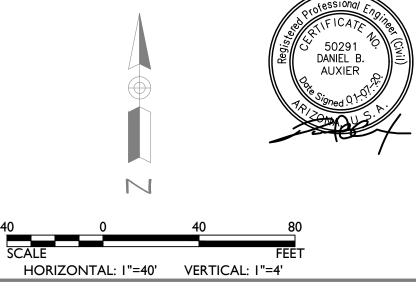
OWNER:

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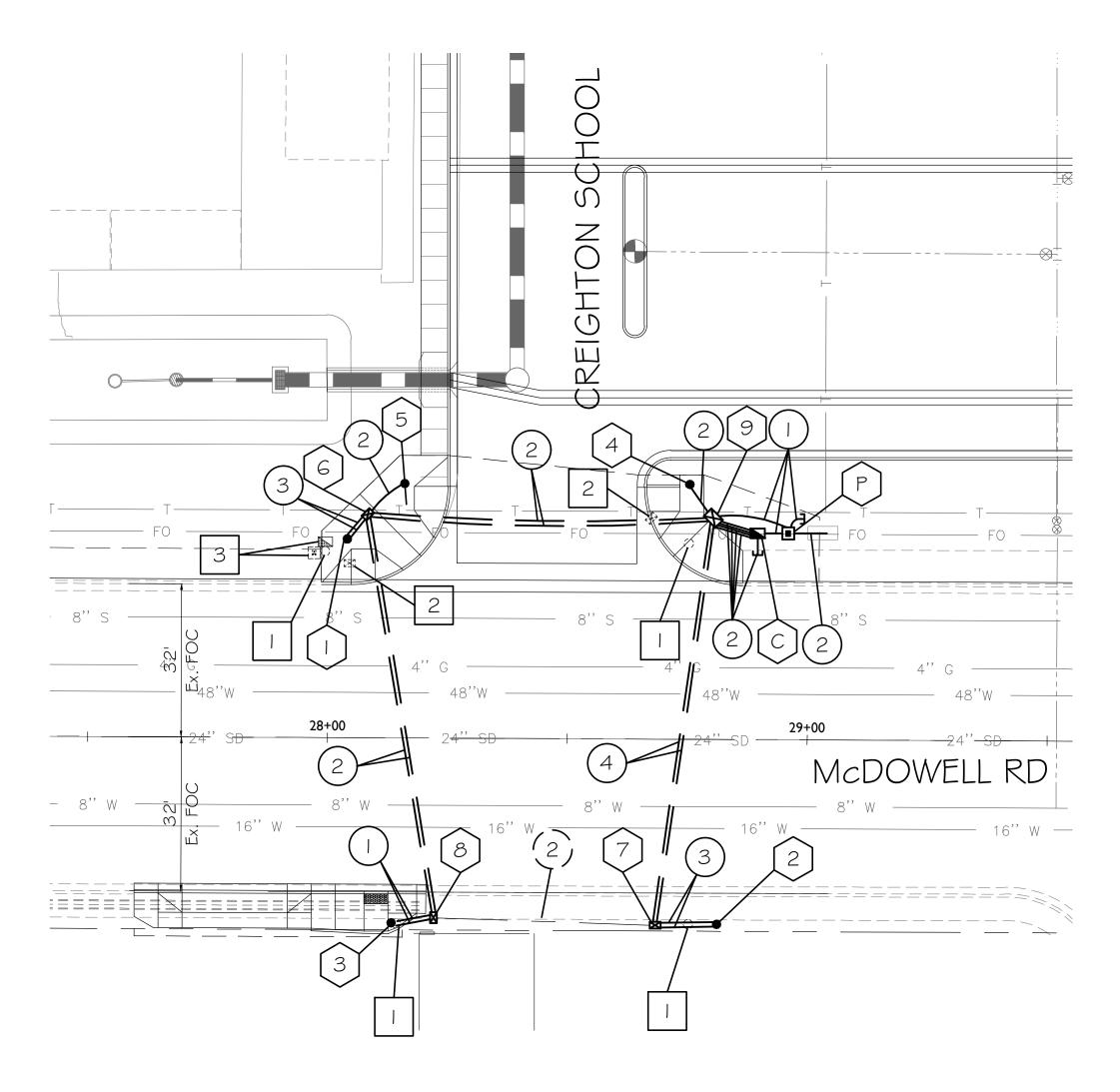
- I Install R2-I(45) 4 per side per mile
- 2 Install R3-9(B) 4 per side per mile (for streets with TWLTC) 3 - Install R3-17 2 per side per mile depending on Engineer's judgment
- 4 Install 4 Bike Symbols per side per mile depending on Engineer's judgment 5 - Extend Bike Lane to curb return of intersection or marked crosswalk
- unless otherwise noted.
- 6 Install NPAT where curb and gutter exist unless otherwise noted on plans.
- 7 Maintain existing signs unless otherwise noted.

PAINT AND SIGN PLAN APPROVAL IS VALID FOR 365 CALENDAR DAYS FROM DATE SIGNED. IF THE NOTIFICATION IS NOT RECEIVED PRIOR TO THE 365 DAYS ELAPSING, THE PAINT AND SIGN PLAN MUST BE RE-SUBMITTED FOR APPROVAL OR AN EXTENSION GRANTED BY THE TRAFFIC SERVICES DEPUTY DIRECTOR OR AN AUTHORIZED REPRESENTATIVE TO ENSURE THAT THE PROPOSED PAINT AND SIGN PLAN IS STILL ACCEPTABLE

THE CITY OF PHOENIX INSPECTOR SHALL NOTIFY THE CITY OF PHOENIX TRAFFIC SERVICES FIELD INVESTIGATOR UNIT (602)262-4684) A MINIMUM OF FIFTEEN (15) BUSINESS DAYS PRIOR TO HAVING TRAFFIC SIGN AND PAVEMENT WORK COMMENCE



DRAWN BY: EPS	CITY OF PHOENIX, ARIZO	DNA
APPROVED BY:	STREET TRANSPORTATI	ON DEPT.
DEPUTY STREET TRANSPORTATION DIR.	D ' 1 0 C'	
DEPUTY STREET	Paint & Sign	
TRANSPORTATION DIR.	CREIGHTON ELEMENTARY	Y SCHOOL
INTERIM STREET TRANSPORTATION DIR.	2802 E. MCDOWEL	
WORK ORDER NO.:	SCALE: " = 40'	FILE NO.
PROJECT NO.: 17-410	DATE:	
I NOULCE NO	SHEET I OF I SHEETS	



I. 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.

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.

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 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:

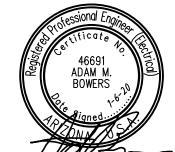
The contractor shall:

- Request de-energization of all streetlights listed for removal,
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- All controllers
- All LED luminaires
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- All signal wiring
- All loop and non-invasive detectors
- All pole grouting - All cameras
- All radios



REGION STATE PROJ. NO. **ELECTRICAL ENGINEERING AND DESIGN** 165 EAST CHILTON DR ◆ CHANDLER, AZ 85225

NO. TOTAL

PHONE 480.497.5829 FAX 480.497.5807 www.wrightengr.com WRIGHT PROJECT #

PROPOSED FOUNDATION SCHEDULE					
NO.	TYPE	STATION FROM MLOF McDOWELL	OFFSET FROM MLOF McDOWELL		
Р	PSP	28+95.9	43.0' LT		
С	CONT	28+89.5	43.0' LT		
I	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	Α	28+15.8	53.1'LT		

NOTE: Distance is perpendicular to roadway center line

PROPOSED JUNCTION BOX SCHEDULE				
NO.	TYPE	STATION FROM MLOF McDOWELL	OFFSET FROM MLOF 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' IT	

NOTE: Distance is perpendicular to roadway center line

INSTALL

5 See Foundation Schedule

[9] See Junction Box Schedule 2" Schedule 40 PVC with #10 copper

pull wire bent over lip of stubout (2) 2 $\frac{1}{2}$ " 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 ½" Schedule 40 PVC with detectable mule tape- By Others REMOVE

Traffic Signal Foundation - 4

Junction Box - 2

Pole-Mounted Equipment - 2

·	
Two working days before you dug CALL FOR THE BLUE STAKES	"PER OF
(602) 263-1100	
Blue Stake Center CALL COLLECT	

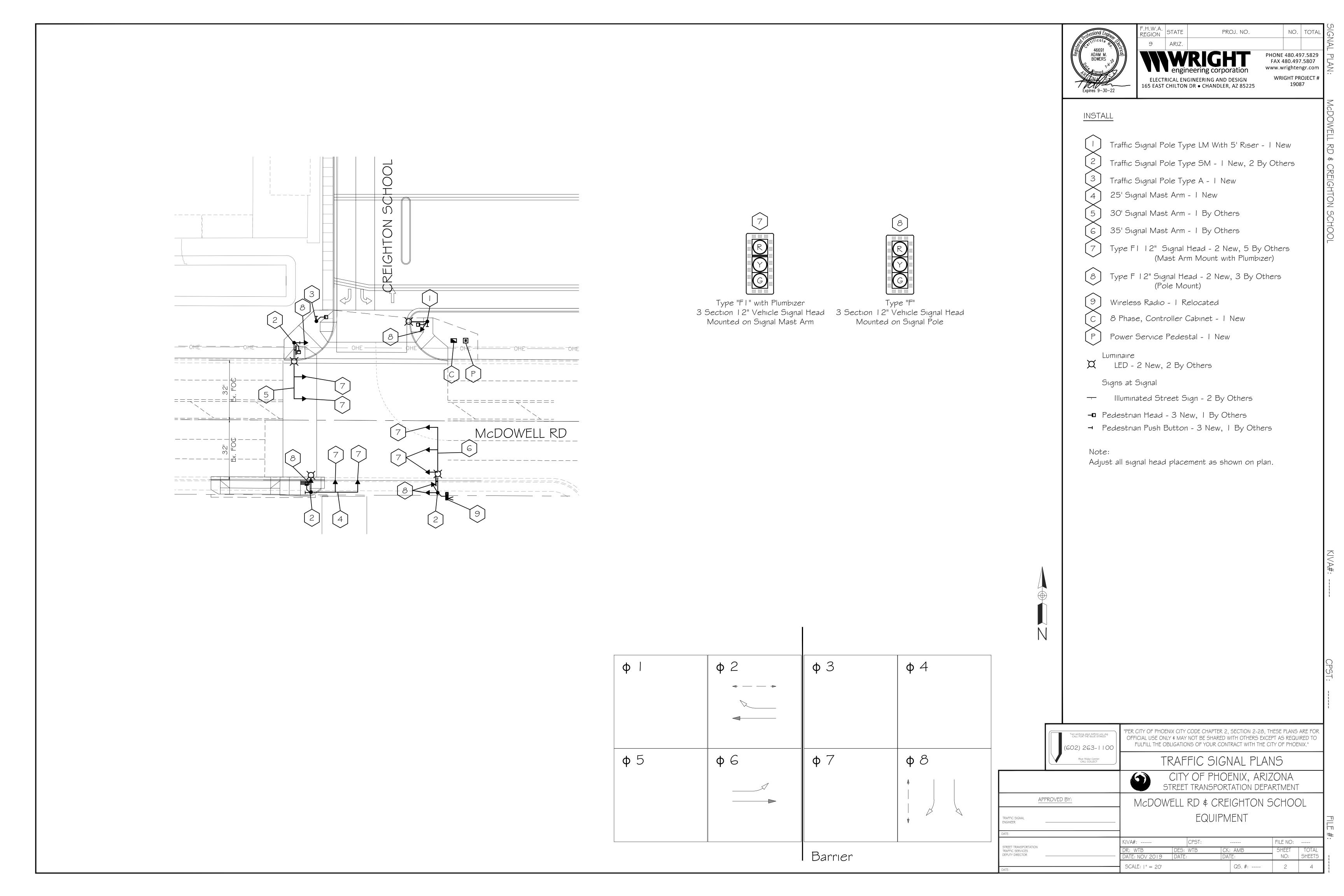
R CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOR FICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX."

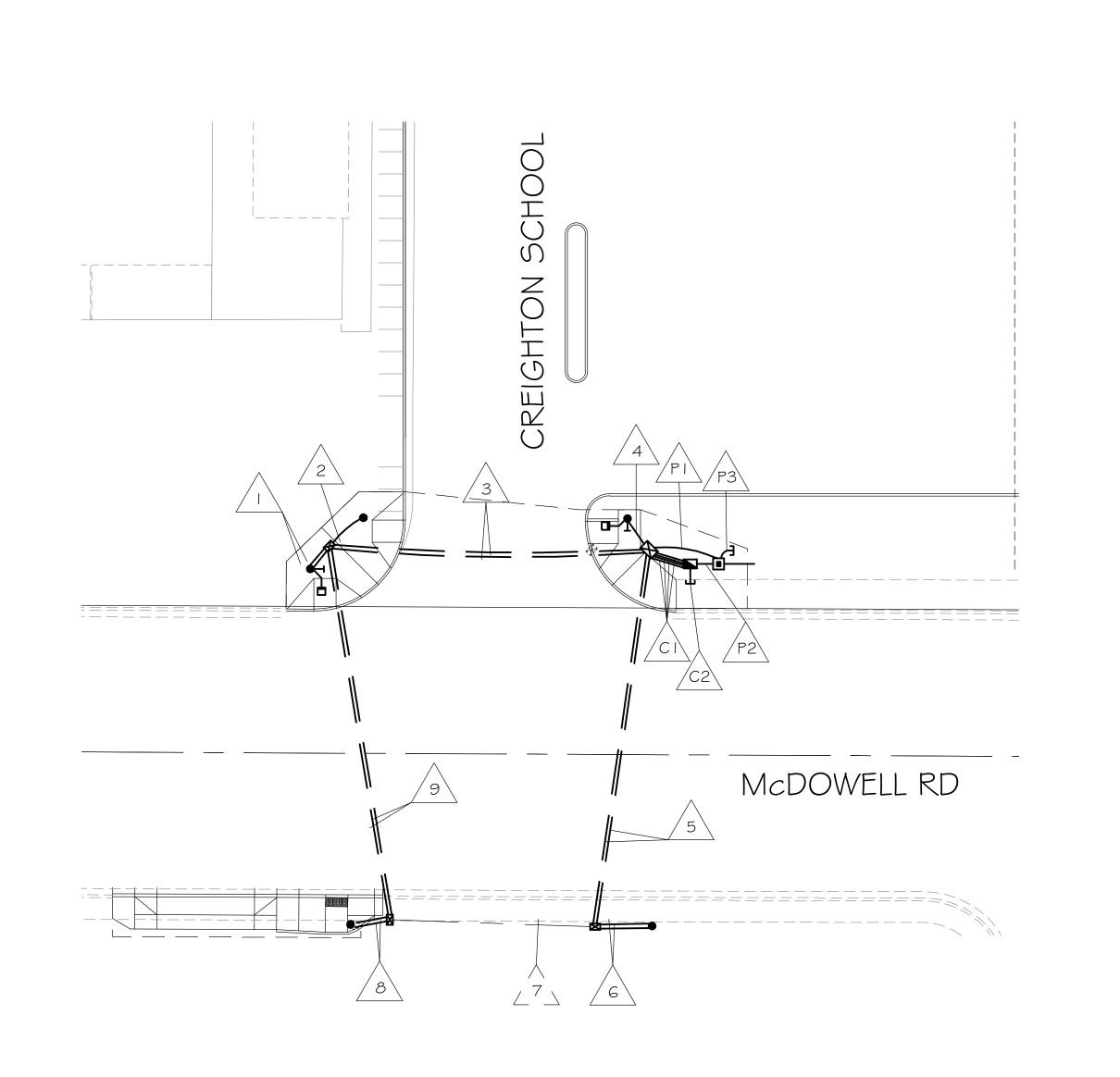
TRAFFIC SIGNAL PLANS CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

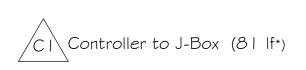
APPROVED BY:

McDOWELL RD & CREIGHTON SCHOOL FOUNDATION

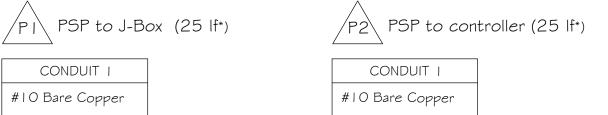
KIVA#: ---CPST: FILE NO: CK: AMB NO: SHEETS DATE: NOV 2019 DATE: QS. #: -----SCALE: | " = 20'



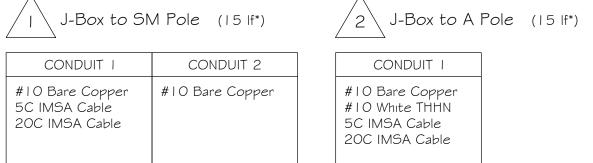




CONDUIT I	CONDUIT 2	CONDUIT 3	CONDUIT 4
#10 Bare Copper	#10 Bare Copper	#10 Bare Copper	#10 Bare Copper









CONDUIT I #10 Bare Copper #10 White THHN 5C IMSA Cable
20C IMSA Cable

#10 White THHN 5C IMSA Cable 42C IMSA Cable

$ \begin{array}{c} $	× (75 lf*,
CONDUIT I	
#10 Bare Copper	

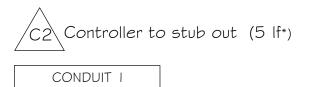
8 J-Box to SM Pole (15 If*)			
CONDUIT I	CONDUIT 2		
#10 Bare Copper 5C IMSA Cable 20C IMSA Cable	#10 Bare Copper		

#10 Bare Copper #10 Bare Copper #10 White THHN

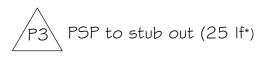
CONDUIT 2

CONDUIT I

5C IMSA Cable 42C IMSA Cable



#10 Bare Copper	



CONDUIT I
#10 Bare Copper

3 J-Box to J-Box	(75 lf*)	

CONDUIT I	CONDUIT 2
#10 Bare Copper #10 White THHN 5C IMSA Cable 42C IMSA Cable	#10 Bare Copper

\wedge	
/6\	J-Box to SM Pole (15 If*)

CONDUIT I	CONDUIT 2
#10 Bare Copper #10 White THHN 5C IMSA Cable 20C IMSA Cable	#10 Bare Copper

/9 \ J-Box to J-Box	(75 lf*)

CONDUIT I	CONDUIT 2
#10 Bare Copper #10 White THHN 5C IMSA Cable 42C IMSA Cable	#10 Bare Copper



F.H.W.A. REGION STATE

NO. TOTAL

WRIGHT PROJECT # 19087

PROJ. NO.

WIRING DIAGRAM NOTES

New Wire

Existing Wire

Two working days before you dig CALL FOR THE BLUE STAKES (602) 263-1100 Blue Stake Center CALL COLLECT

"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."

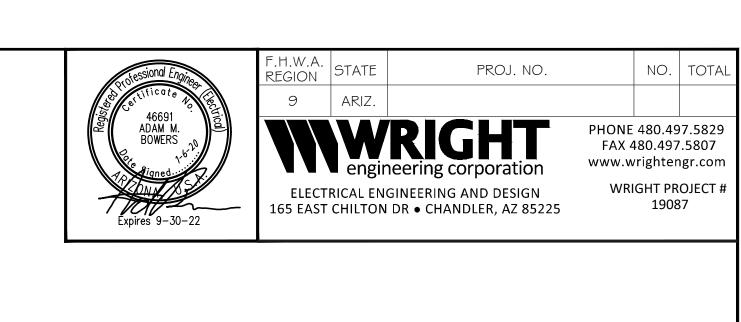
TRAFFIC SIGNAL PLANS

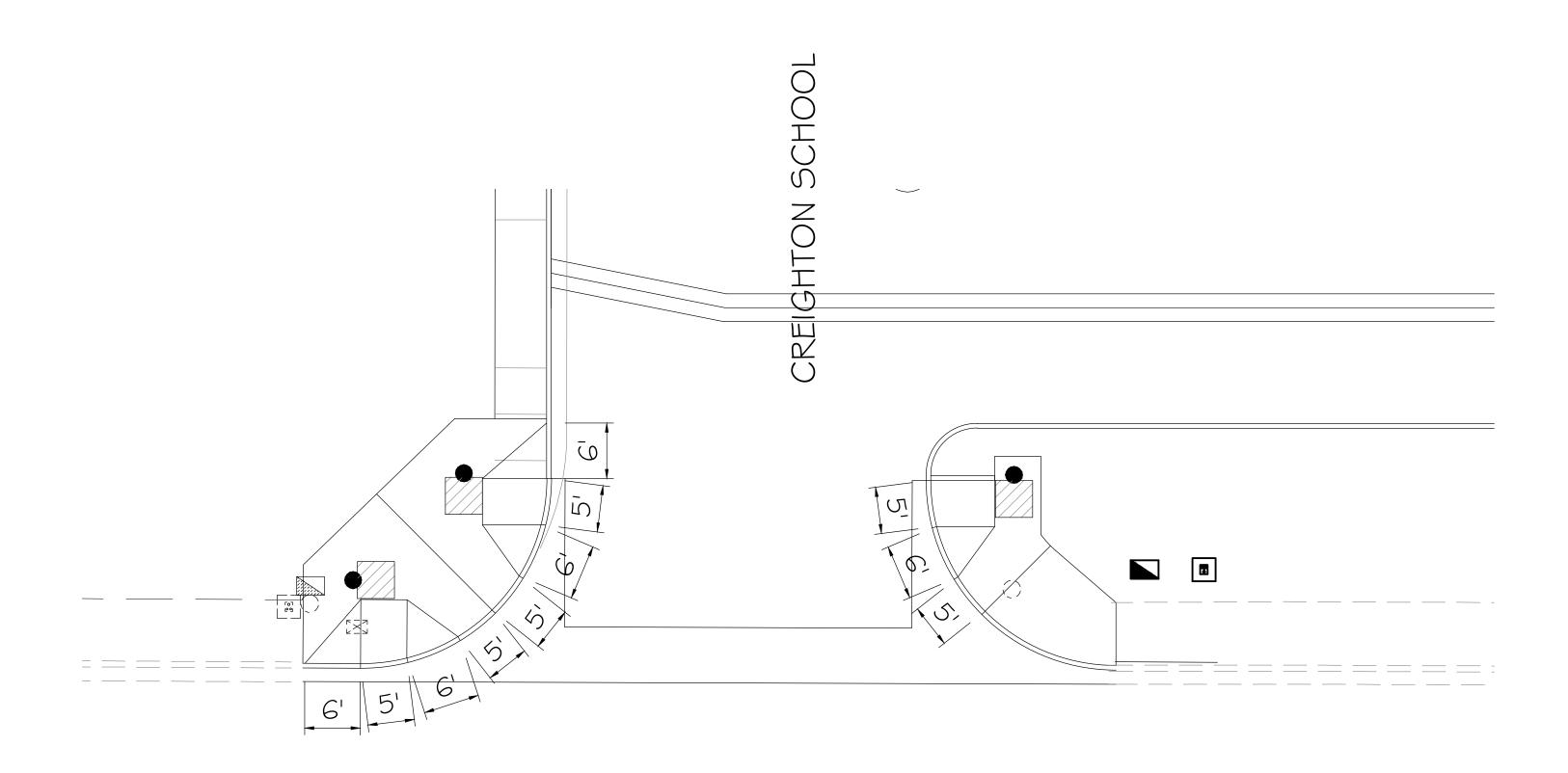
CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT

APPROVED BY: McDOWELL RD & CREIGHTON SCHOOL

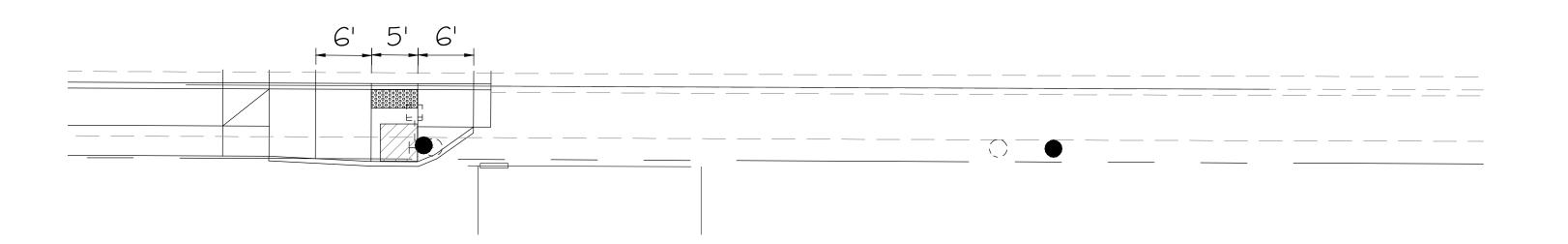
WIRING

CPST: FILE NO: -----SHEET TOTAL NO: SHEETS CK: AMB DATE: NOV 2019 DATE: QS. #: ----SCALE: |" = 20'





McDOWELL RD



	Two working days before you dig CALL FOR THE BLUE STAKES (602) 263-1100	"PER CITY OF PHOENIX CITY CODE CHAPTER 2 OFFICIAL USE ONLY & MAY NOT BE SHARED I FULFILL THE OBLIGATIONS OF YOUR CON	WITH OTHERS EXCE	PT AS REQU	IIRED TO
	Blue Stake Center CALL COLLECT	TRAFFIC SIGI	NAL PLAN	15	
٨	-	CITY OF PHO STREET TRANSPOR			-
	APPROVED BY:	McDOWELL RD & CREIGHTON SCHOOL			
	TRAFFIC SIGNAL ENGINEER DATE:	RAMI	- 5		
	CTREET TRANSPORTATION	KIVA#: CPST:		FILE NO:	
Ν	STREET TRANSPORTATION TRAFFIC SERVICES DEPUTY DIRECTOR		K: AMB ATE:	SHEET NO:	TOTAL SHEETS
	DATE:	SCALE: " = 20'	QS. #:	4	4



Legal Description Traffic Control Easement

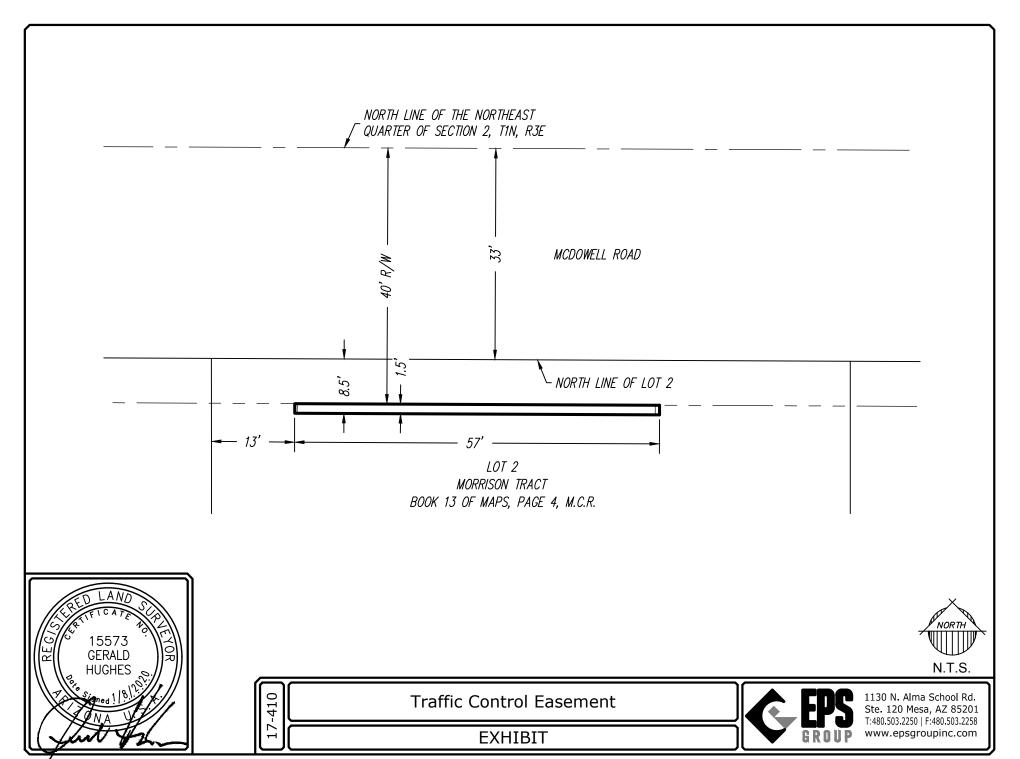
Job No. 17-410 December 31, 2019

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:

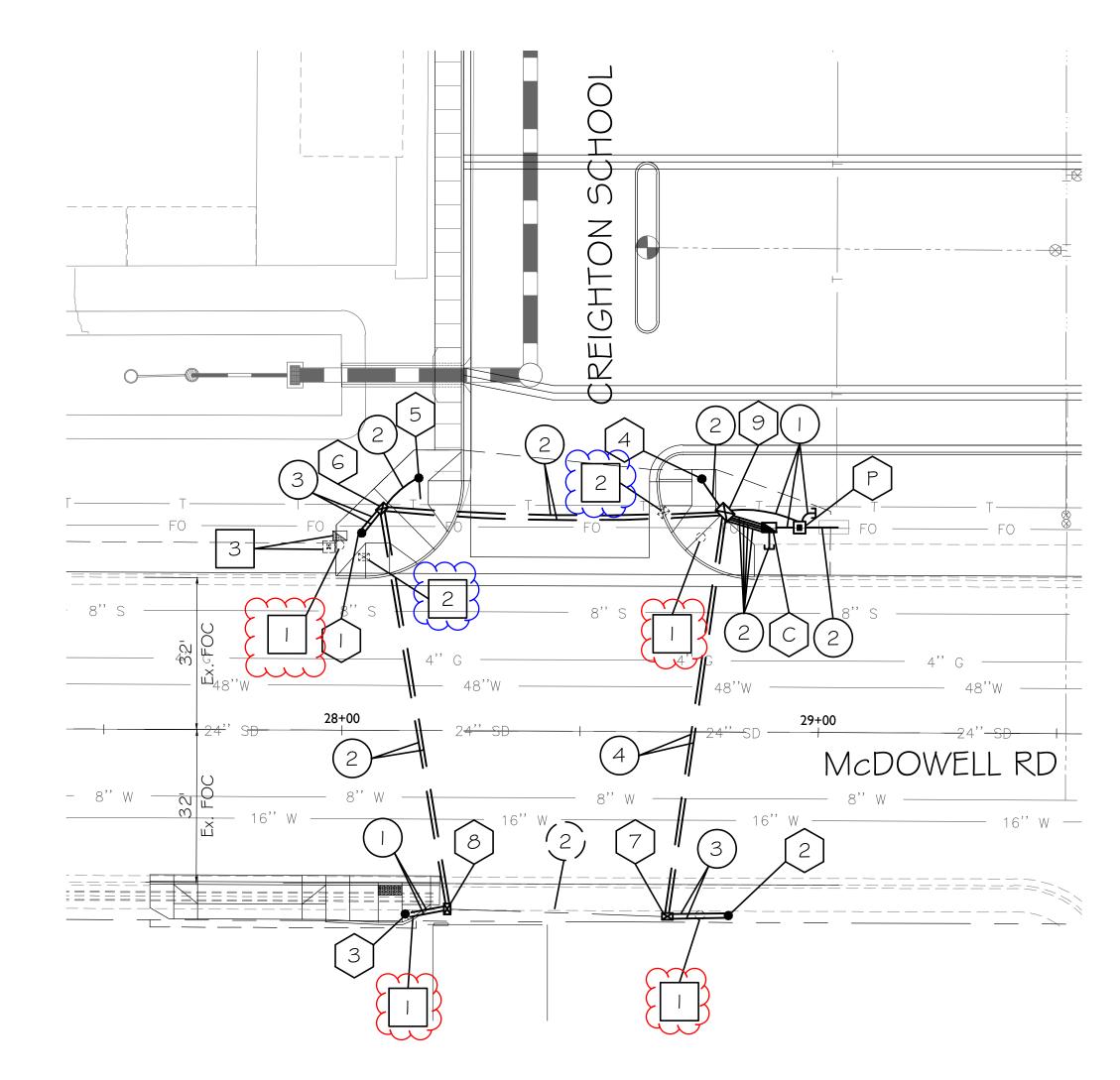
The east 57.00 feet of the west 70.00 feet of the south 1.50 feet of the north 8.50' feet of said Lot 2.

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





Equipment Demo



Keynote 1 (4) removal or traffic signal foundation

Keynote 2 (2) removal or Junction Box

I. 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.
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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.

WORK TO BE PERFORMED BY THE CONTRACTOR

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- Provide complete removal of streetlight pole, mast arm and luminaire
- Properly dispose of all streetlight material

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- All controllers
- All LED luminaires
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- All signal wiring
- All loop and non-invasive detectors
- All pole grouting - All cameras
- All radios



EGION STATE PROJ. NO. **ELECTRICAL ENGINEERING AND DESIGN** 165 EAST CHILTON DR ◆ CHANDLER, AZ 85225

NO. TOTAL

PHONE 480.497.5829 FAX 480.497.5807 www.wrightengr.com WRIGHT PROJECT #

PROPOSED FOUNDATION SCHEDULE STATION FROM M_OF McDOWELL OFFSET FROM M_OF McDOWELL PSP 28+95.9 43.0' LT 43.0' LT CONT 28+89.5 SM 28+04.0 41.5'LT 28+81.0 38.6' RT SM 28+13.4 38.5' RT LM 28+75.3 53.2' LT 53.1'LT 28+15.8

NOTE: Distance is perpendicular to roadway center line

PROPOSED JUNCTION BOX SCHEDULE			
NO.	TYPE	STATION FROM MLOF McDOWELL	OFFSET FROM MLOF 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'IT

NOTE: Distance is perpendicular to roadway center line

INSTALL

5 See Foundation Schedule

9 | See Junction Box Schedule

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

(2) 2 ½" 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 ½" Schedule 40 PVC with detectable mule tape- By Others REMOVE

Traffic Signal Foundation - 4

Junction Box - 2

Pole-Mounted Equipment - 2

Two working days before you dig CALL FOR THE BLUE STAKES (602) 263-1100	OFFICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX."	
Blue Stake Center CALL COLLECT	TRAFFIC SIGNAL PLANS	
	CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT	
APPROVED BY:	McDOWELL RD & CREIGHTON SCHOOL	
	FOUNDATION ====================================	•
	KIVA#: FILE NO:	-

SCALE: | " = 20'

PER CITY OF PHOFNIY CITY CODE CHAPTER 2 SECTION 2-28 THESE PLANS ARE FOR

NO:

Q5. #: -----

11 SAWCUT AND REMOVE EXISTING SIDEWALK. 14 SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO CLEAN EDGE.

CONSTRUCTION NOTES 139 LF (1B) HEAVY DUTY PAVEMENT SECTION 6 AC ON 6 ABC OR MATCH EXISTING, WICHEVER IS THE HIGHER

948 SF (1D) CONCRETE PAVEMENT SECTION 9" TYPE 'A' PCCP

(3F) 6' VALLEY GUTTER MAG STD DTL 240

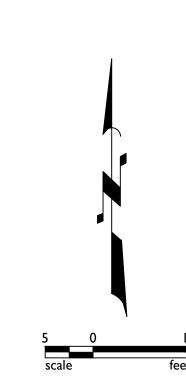
3G DRIVEWAY PER C.O.P. STD DTL P1255-1 MODIFIED (8) CONSTRUCT SIDEWALK RAMP PER COP DTL P1240. 649 SF (8A) CONSTRUCT SIDEWALK RAMP PER COP DTL P1238-2.

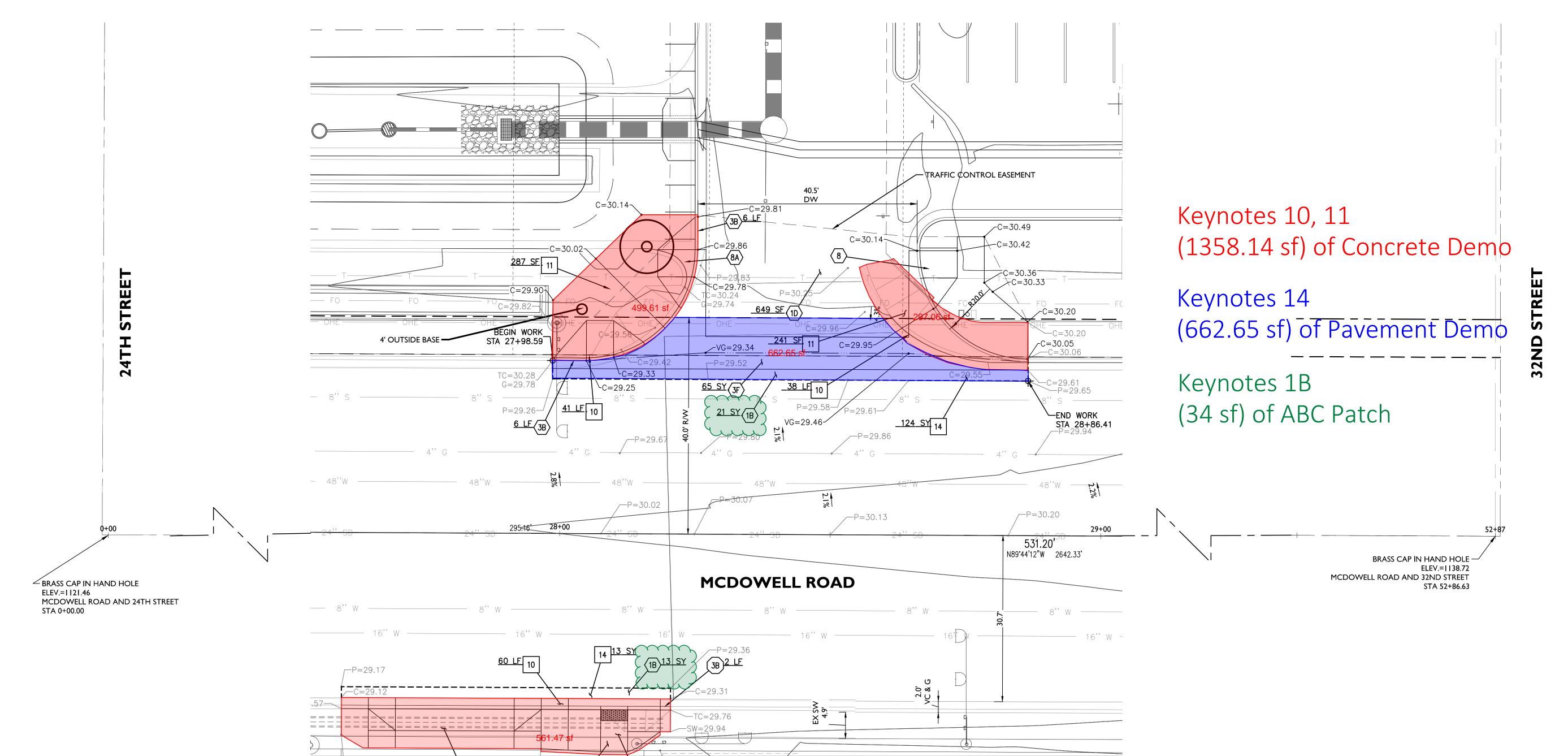
1 EA 12 LF 45 CURB RAMP PER DETAIL 1 ON SHEET PV01 1 EA

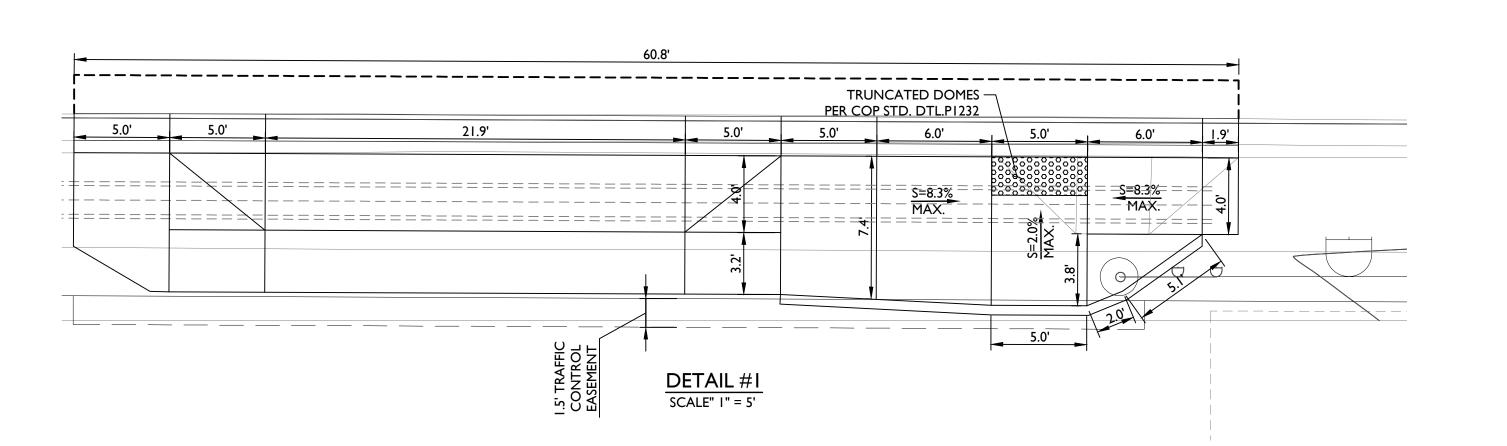
1 EA

1 EA

65 SY







EG=29.91—

SCOTTSDALE, AZ 85258 TEL: 480.991.0800 FAX: 480.991.2623 spsplusarchitects.com

THIS DRAWING IS AN INSTRUMENT HEREOF USED WITHOUT WRITTEN PERMISSION.

100% SUBMITTAL

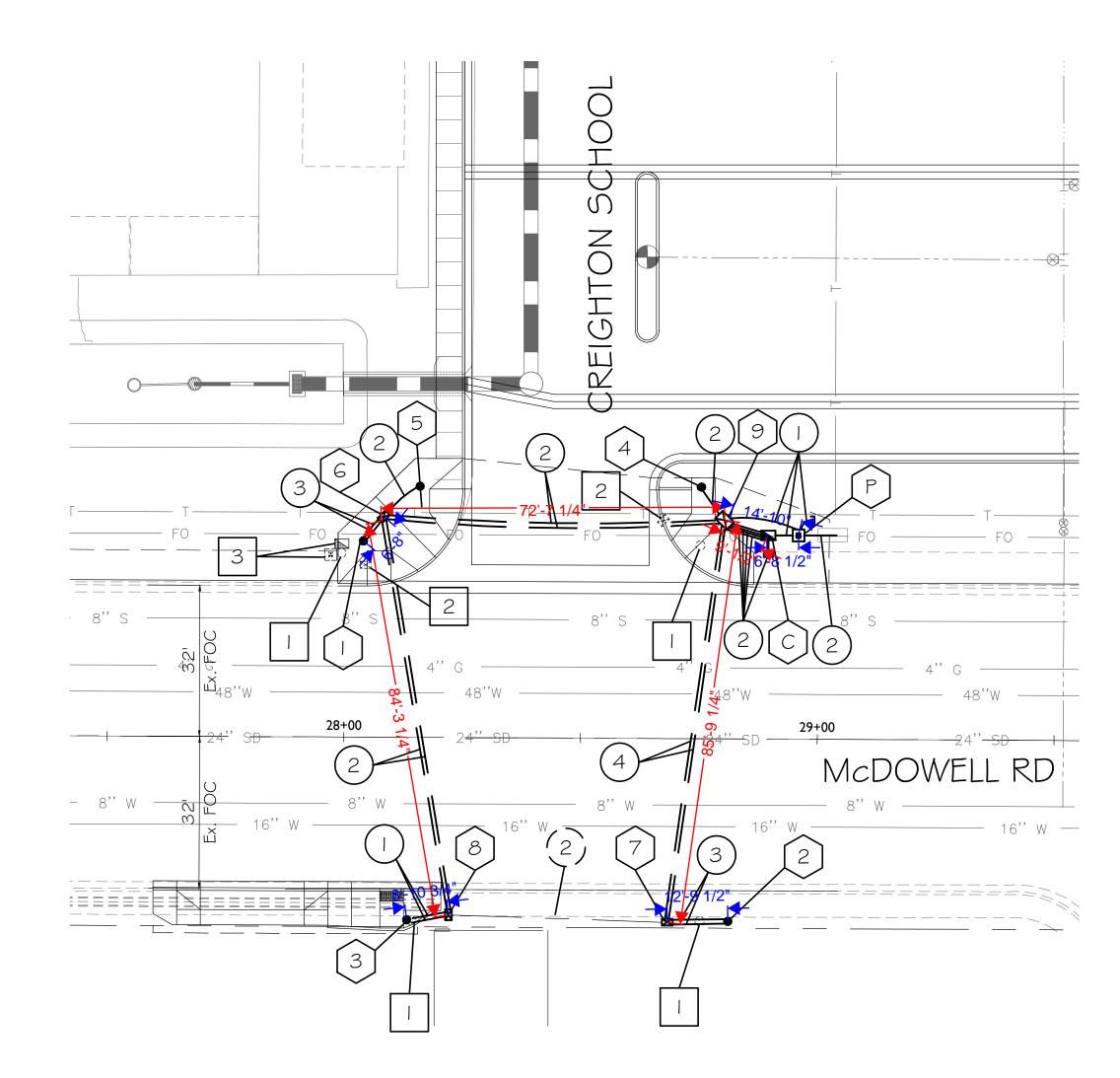


Dial 8-1-1 or 1-800-STAKE-IT (782-534 JOB No:

SHEET:

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

I. GENERAL NOTES:

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E.H.W.A. STATE PROJ. NO. **ELECTRICAL ENGINEERING AND DESIGN** 165 EAST CHILTON DR ◆ CHANDLER, AZ 85225

PHONE 480.497.5829 FAX 480.497.5807 www.wrightengr.com WRIGHT PROJECT #

NO. TOTAL

				ì
PROPOSED FOUNDATION SCHEDULE			(
NO.	TYPE	STATION FROM MLOF McDOWELL	OFFSET FROM MLOF McDOWELL	7
Р	PSP	28+95.9	43.0' LT	ļ
С	CONT	28+89.5	43.0' LT	ί
1	SM	28+04.0	41.5' LT	-
2	SM	28+81.0	38.6' RT	(
3	SM	28+13.4	38.5' RT	Í
4	LM	28+75.3	53.2' LT	-
5	А	28+15.8	53.1'LT	-
N	NOTE: Distance is perpendicular to roadway center line			2

PROPOSED JUNCTION BOX SCHEDULE STATION FROM MOF McDOWELL OFFSET FROM MLOF McDOWELL 28+04.7 45.3' LT 28+68.1 38.8' RT 37.5' RT 28+22.1 28+80.2 46.2' LT

NOTE: Distance is perpendicular to roadway center line

INSTALL

[5] See Foundation Schedule

9 | See Junction Box Schedule

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

 $(2)2\frac{1}{2}$ " Schedule 40 PVC with detectable mule tape

(3) 2" Schedule 40 PVC with #10 copper pull wire bent over lip of stubout- By Others

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Junction Box - 2

Pole-Mounted Equipment - 2

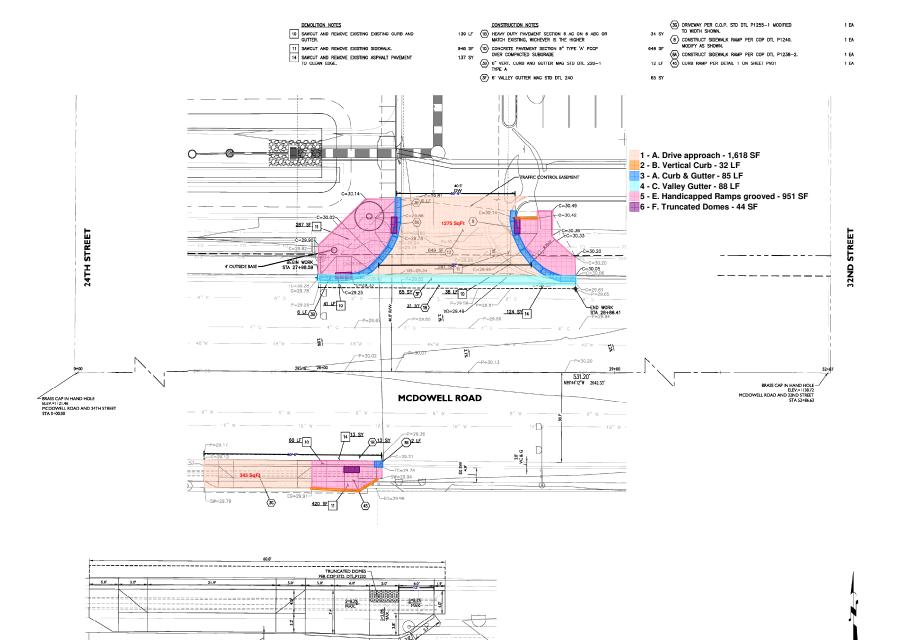
ER CITY OF PHOENIX CITY CODE CHAPTER 2, SECTION 2-28, THESE PLANS ARE FOI Two working days before you did CALL FOR THE BLUE STAKES OFFICIAL USE ONLY & MAY NOT BE SHARED WITH OTHERS EXCEPT AS REQUIRED TO FULFILL THE OBLIGATIONS OF YOUR CONTRACT WITH THE CITY OF PHOENIX." 602) 263-1100 TRAFFIC SIGNAL PLANS Blue Stake Center CALL COLLECT CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT APPROVED BY: McDOWELL RD & CREIGHTON SCHOOL

FOUNDATION FILE NO: NO: SHEETS

SCALE: | " = 20'

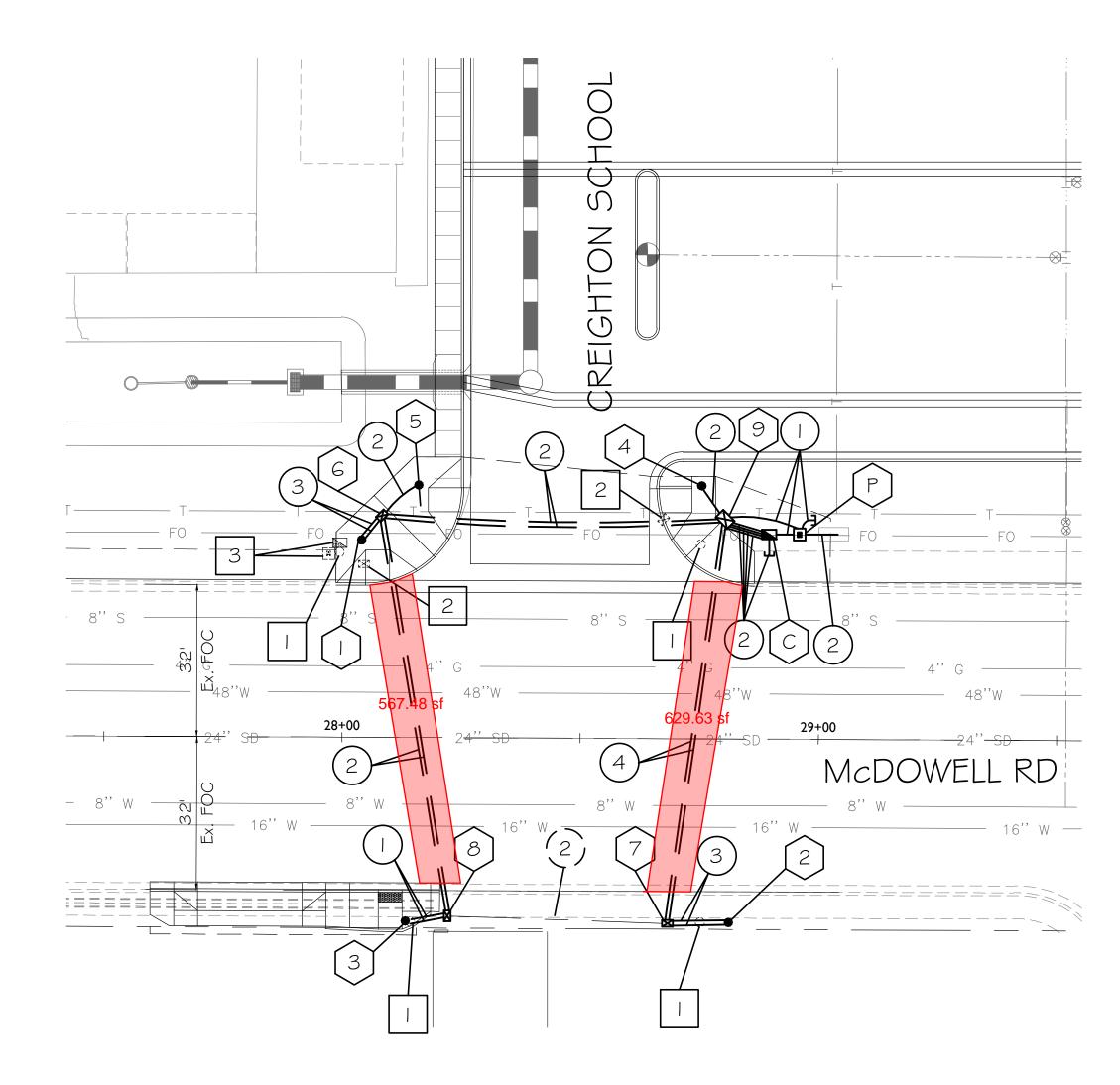
QS. #: -----

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



DETAIL #1

Microseal Takeoff



(1198 sf) of Mircoseal

I. 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.

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.

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 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:

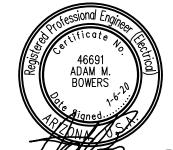
The contractor shall:

- 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

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



REGION STATE PROJ. NO. **ELECTRICAL ENGINEERING AND DESIGN** 165 EAST CHILTON DR ◆ CHANDLER, AZ 85225

NO. TOTAL

PHONE 480.497.5829 FAX 480.497.5807 www.wrightengr.com

WRIGHT PROJECT #

PROPOSED FOUNDATION SCHEDULE			
NO.	TYPE	STATION FROM MLOF McDOWELL	OFFSET FROM MLOF McDOWELL
Р	PSP	28+95.9	43.0' LT
С	CONT	28+89.5	43.0' LT
I	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	А	28+15.8	53.1'LT

NOTE: Distance is perpendicular to roadway center line

PROPOSED JUNCTION BOX SCHEDULE			
NO.	TYPE	STATION FROM MLOF McDOWELL	OFFSET FROM MOF 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

[5] See Foundation Schedule

9 | See Junction Box Schedule

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

(2) 2 ½" 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 ½" Schedule 40 PVC with detectable mule tape- By Others REMOVE

Traffic Signal Foundation - 4

Junction Box - 2 Pole-Mounted Equipment - 2

Two working days before you dig CALL FOR THE BLUE STAKES 602) 263-1100 Blue Stake Center CALL COLLECT

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

APPROVED BY:

McDOWELL RD & CREIGHTON SCHOOL FOUNDATION

KIVA#: ---CPST: FILE NO: CK: AMB NO: SHEETS DATE: NOV 2019 QS. #: -----SCALE: | " = 20'