

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					
Div 1 GENERAL CONDITIONS						
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				
Division 1 total				\$0.00	\$0.00	\$189,314.00
Div 2 EXISTING CONDITIONS						
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				
Division 2 total				\$0.00	\$0.00	\$22,293.00
Div 3 CONCRETE						
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				
Division 3 total				\$0.00	\$0.00	\$28,833.00
Div 4 MASONRY						
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

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	= Cells to be completed - as required	Quantity	(no markup)			
Div 7	THERMAL/MOISTURE					
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				
	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				
	Division 8 total			\$0.00	\$0.00	\$0.00
Div 9	FINISHES					
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				
	Division 9 total			\$0.00	\$0.00	\$0.00
Div 10	SPECIALTIES					
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				
	Division 10 total			\$0.00	\$0.00	\$0.00

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	= Cells to be completed - as required	Quantity	(no markup)			
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	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				
	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	auditorium seating	92,071.00				
12 93 13	bike racks	92,071.00				
12 93 23	trash enclosures	92,071.00				
	Division 12 total			\$0.00	\$0.00	\$0.00
Div 13	SPECIAL CONST					
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				
14 42 00	wheelchair lifts	92,071.00				
	Division 14 total			\$0.00	\$0.00	\$0.00
Div 21	FIRE SUPPRESSION					
21 10 00	fire protection/sprinklers	92,071.00				
	Division 21 total			\$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					
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				
	Division 23 total			\$0.00	\$0.00	\$0.00
Div 25	INTEGRATED AUTOMATION					
25 50 00	EMS	92,071.00				
	Division 25 total			\$0.00	\$0.00	\$0.00
Div 26	ELECTRICAL					
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				
27 24 00	TV cabling	92,071.00				
27 30 00	intercom	92,071.00				
27 32 13	communications/phone	92,071.00				
	Division 27 total			\$0.00	\$0.00	\$0.00

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	= Cells to be completed - as required	Quantity	(no markup)			
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 Maximum Price (GMP)	\$472,686.00				

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

Creighton Elementary School

Adjacent Ways Submittal

Legend

Creighton Elementary School

Google Earth

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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

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
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spsplusarchitects.com

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

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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



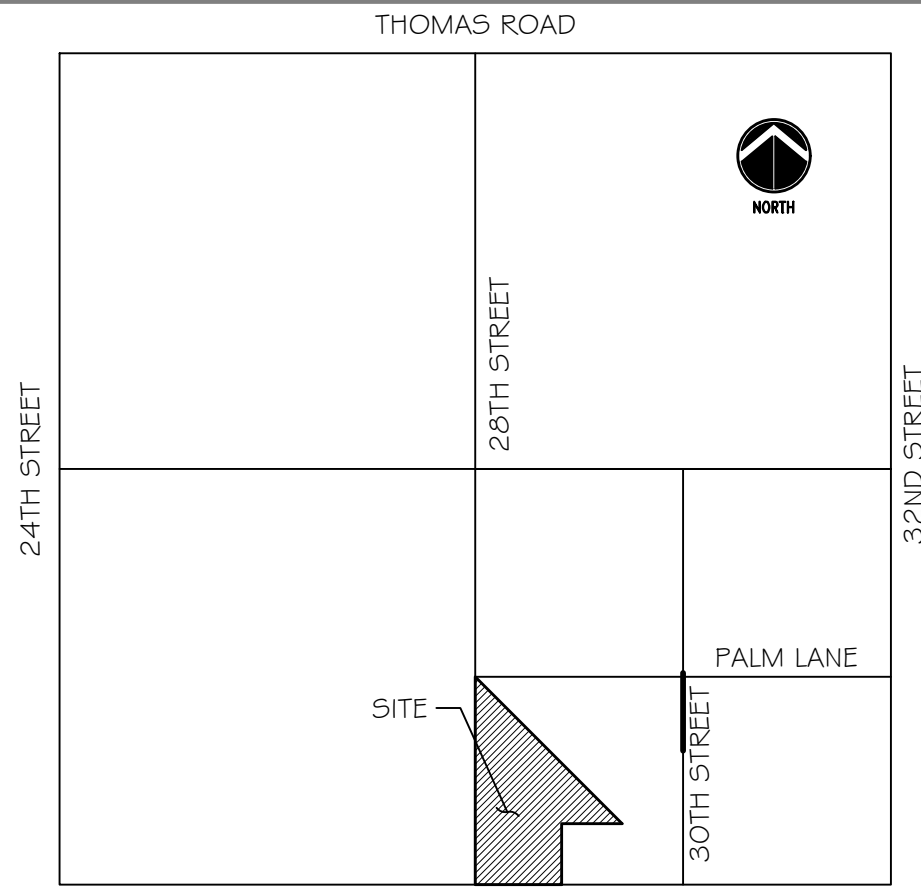
DATE: 01/07/20

JOB No: 17-410

SHEET: 2
of 3

PAINT & SIGN PLAN
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



VICINITY MAP

NTS

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

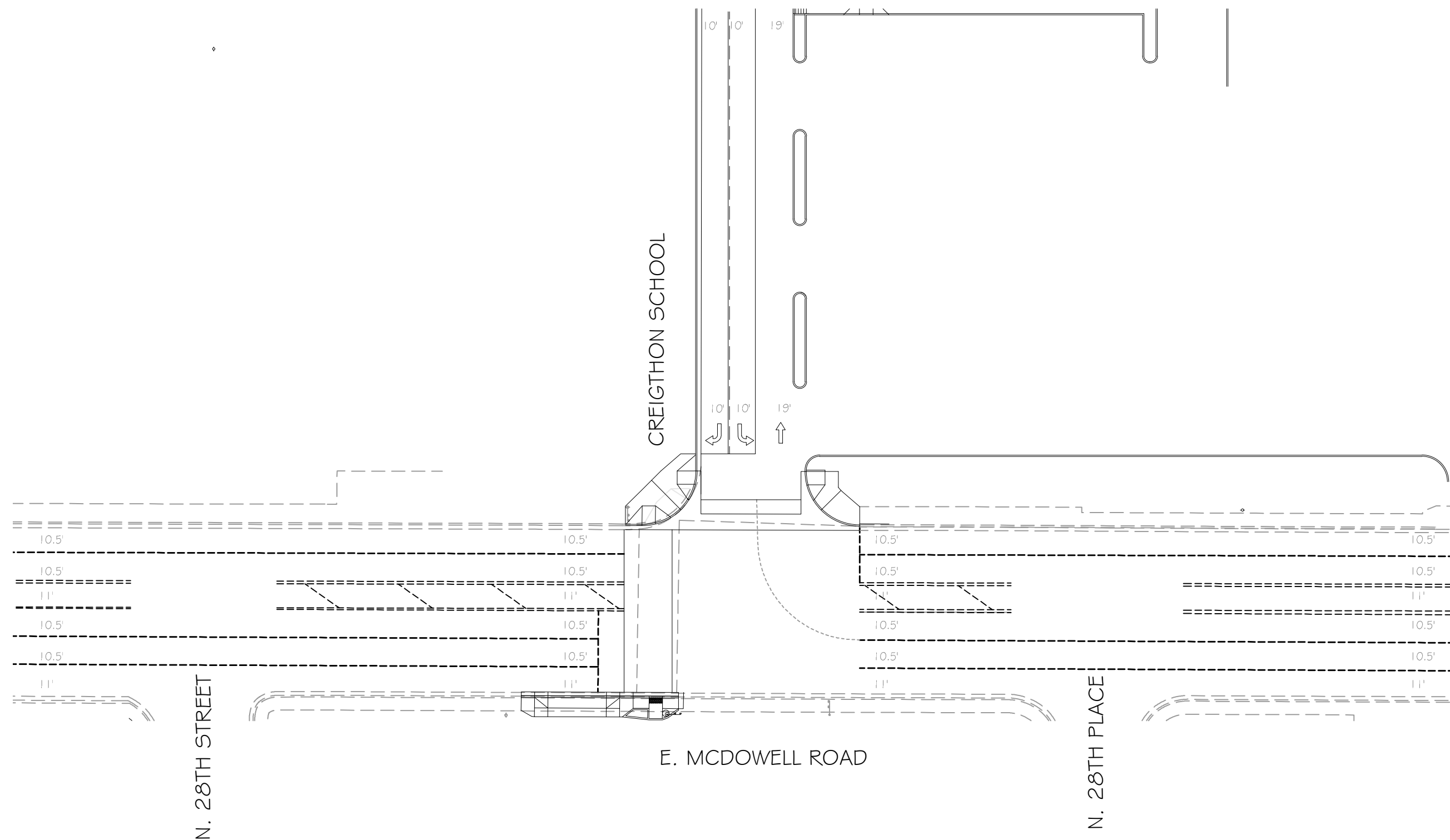
OWNER:

CREIGHTON SCHOOL DISTRICT

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

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

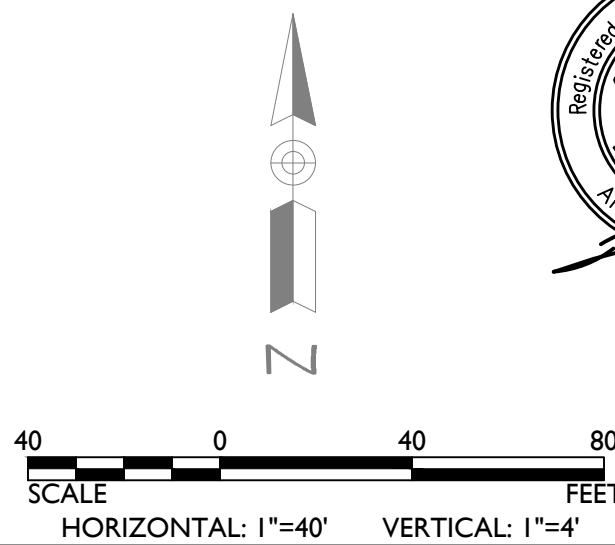


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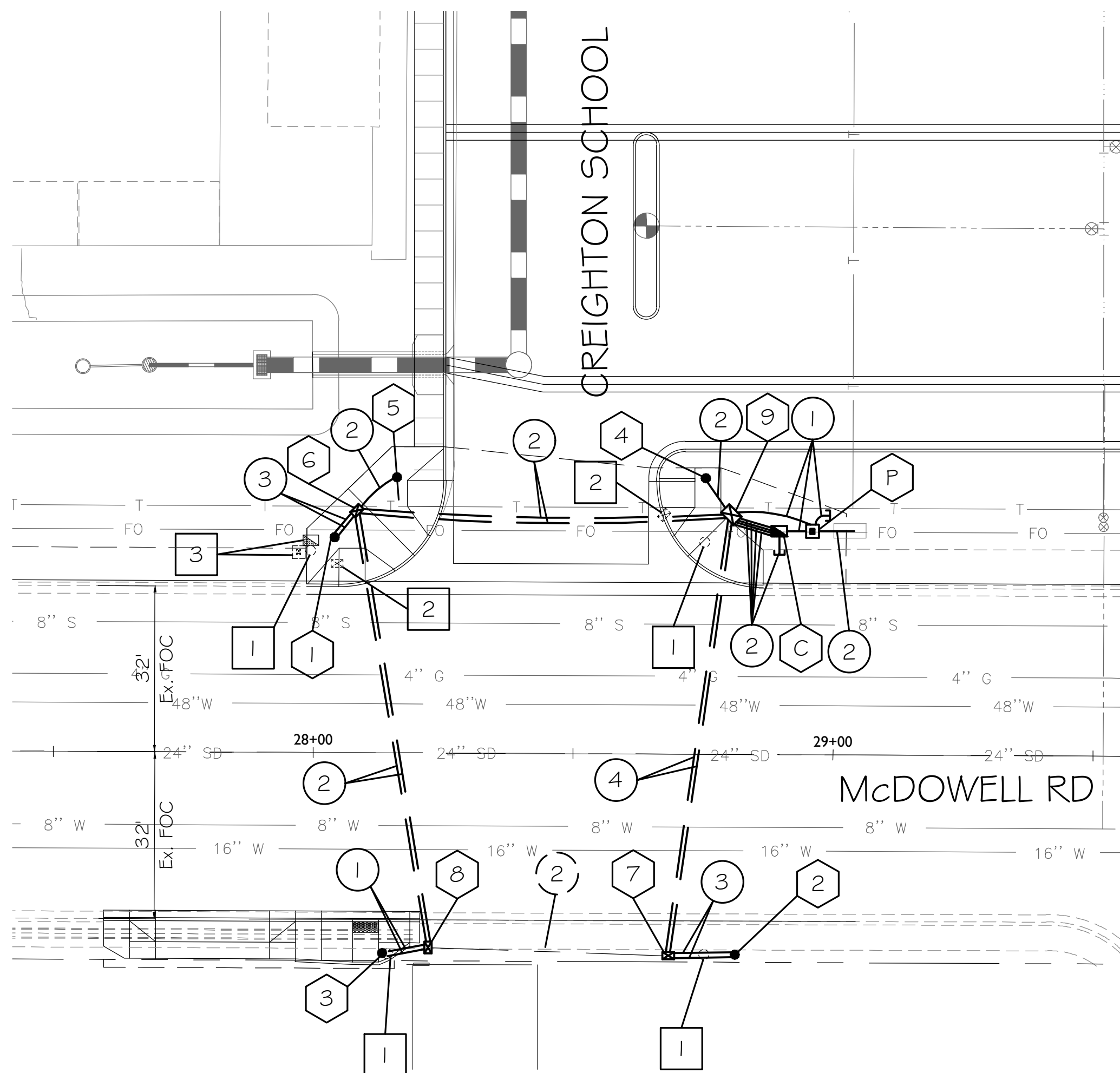
- 1 - Install R2-1(45) 4 per side per mile
- 2 - Install R3-9(B) 4 per side per mile (for streets with TWLTC)
- 3 - Install R3-17 2 per side per mile depending on Engineer's judgment
- 4 - Install 4 Bike Symbols per side per mile depending on Engineer's judgment
- 5 - Extend Bike Lane to curb return 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, ARIZONA STREET TRANSPORTATION DEPT.	
APPROVED BY:	Paint & Sign	
DEPUTY STREET TRANSPORTATION DIR.	CREIGHTON ELEMENTARY SCHOOL	
DEPUTY STREET TRANSPORTATION DIR.	2802 E. MCDOWELL RD	
WORK ORDER NO.:	SCALE: 1" = 40'	FILE NO.
PROJECT NO.: 17-410	DATE:	
	SHEET 1 OF 1 SHEETS	



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:

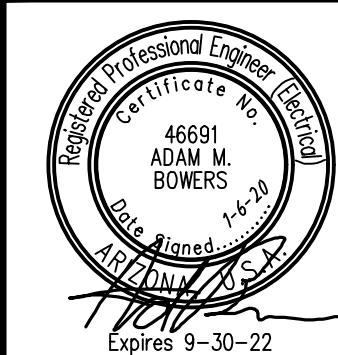
The contractor shall:

- 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.			

WRIGHT
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."

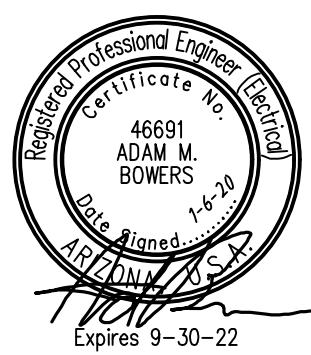
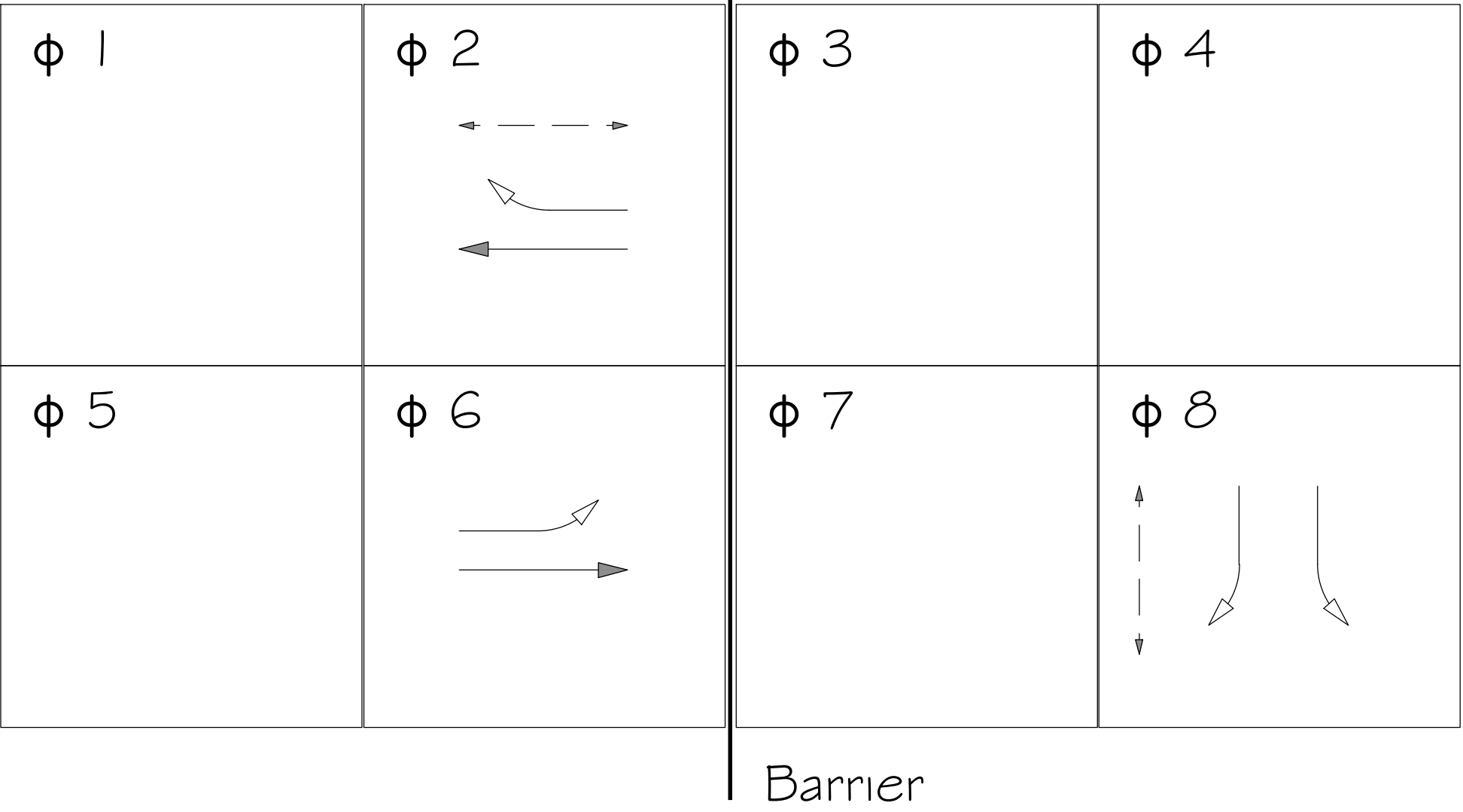
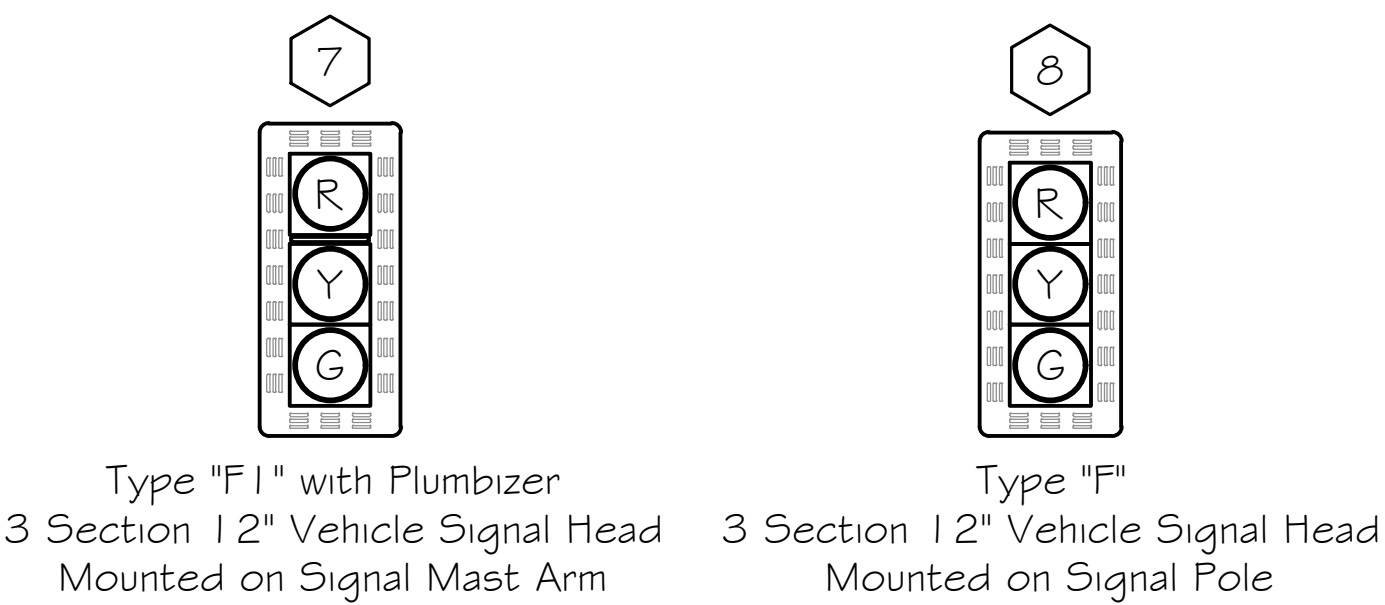
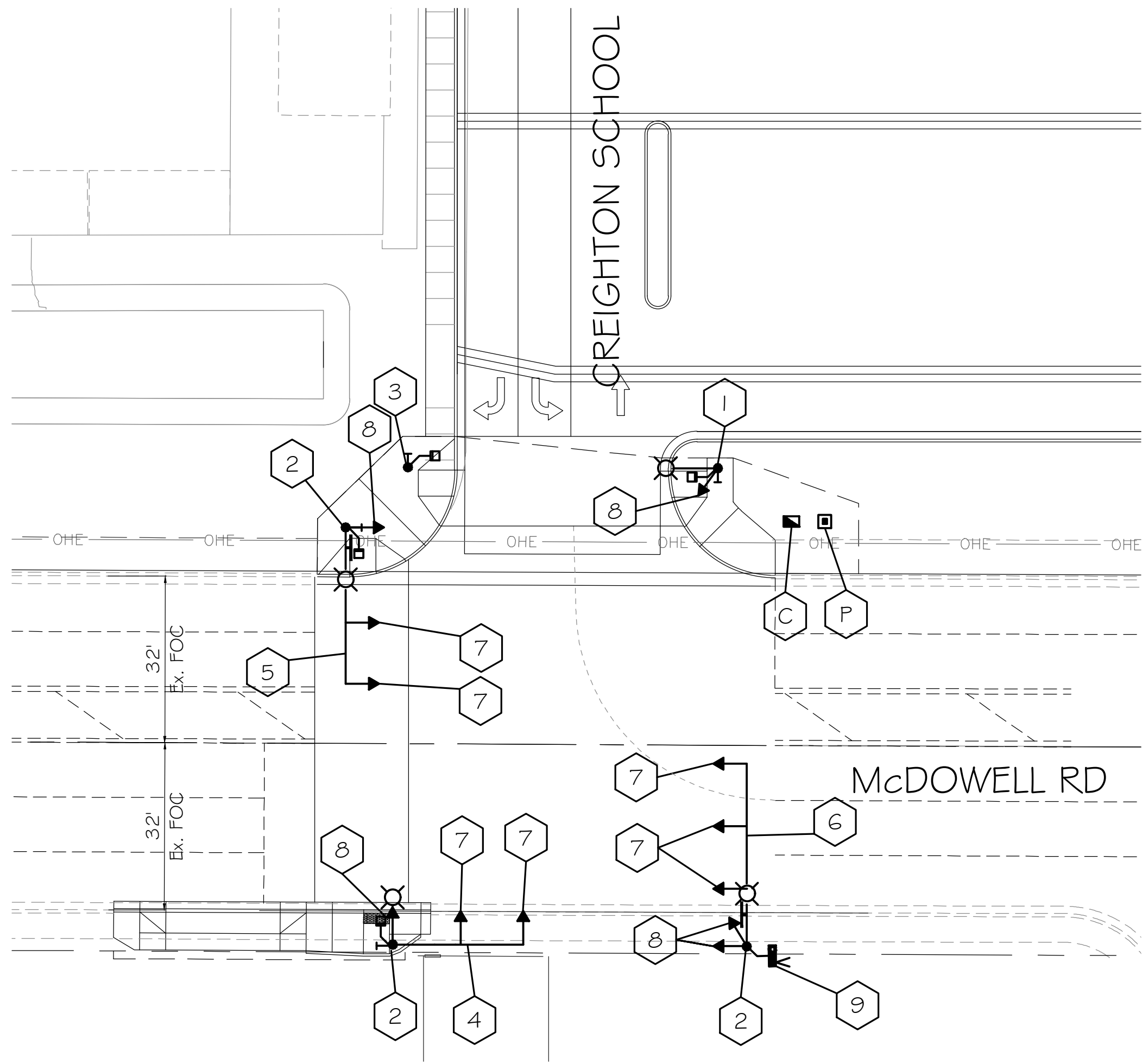
TRAFFIC SIGNAL PLANS

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





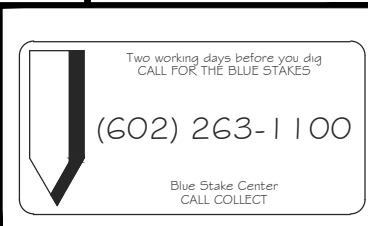
F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL
9	ARIZ.			
WRIGHT engineering corporation ELECTRICAL ENGINEERING AND DESIGN 165 EAST CHILTON DR • CHANDLER, AZ 85225 PHONE 480.497.5829 FAX 480.497.5807 www.wrightengr.com WRIGHT PROJECT # 19087				

INSTALL

- 1 Traffic Signal Pole Type LM With 5' Riser - 1 New
- 2 Traffic Signal Pole Type SM - 1 New, 2 By Others
- 3 Traffic Signal Pole Type A - 1 New
- 4 25' Signal Mast Arm - 1 New
- 5 30' Signal Mast Arm - 1 By Others
- 6 35' Signal Mast Arm - 1 By Others
- 7 Type F1 12" Signal Head - 2 New, 5 By Others (Mast Arm Mount with Plumbizer)
- 8 Type F 12" Signal Head - 2 New, 3 By Others (Pole Mount)
- 9 Wireless Radio - 1 Relocated
- C 8 Phase, Controller Cabinet - 1 New
- P Power Service Pedestal - 1 New

- Luminaire
 - LED - 2 New, 2 By Others
- Signs at Signal
 - Illuminated Street Sign - 2 By Others
 - Pedestrian Head - 3 New, 1 By Others
 - Pedestrian Push Button - 3 New, 1 By Others

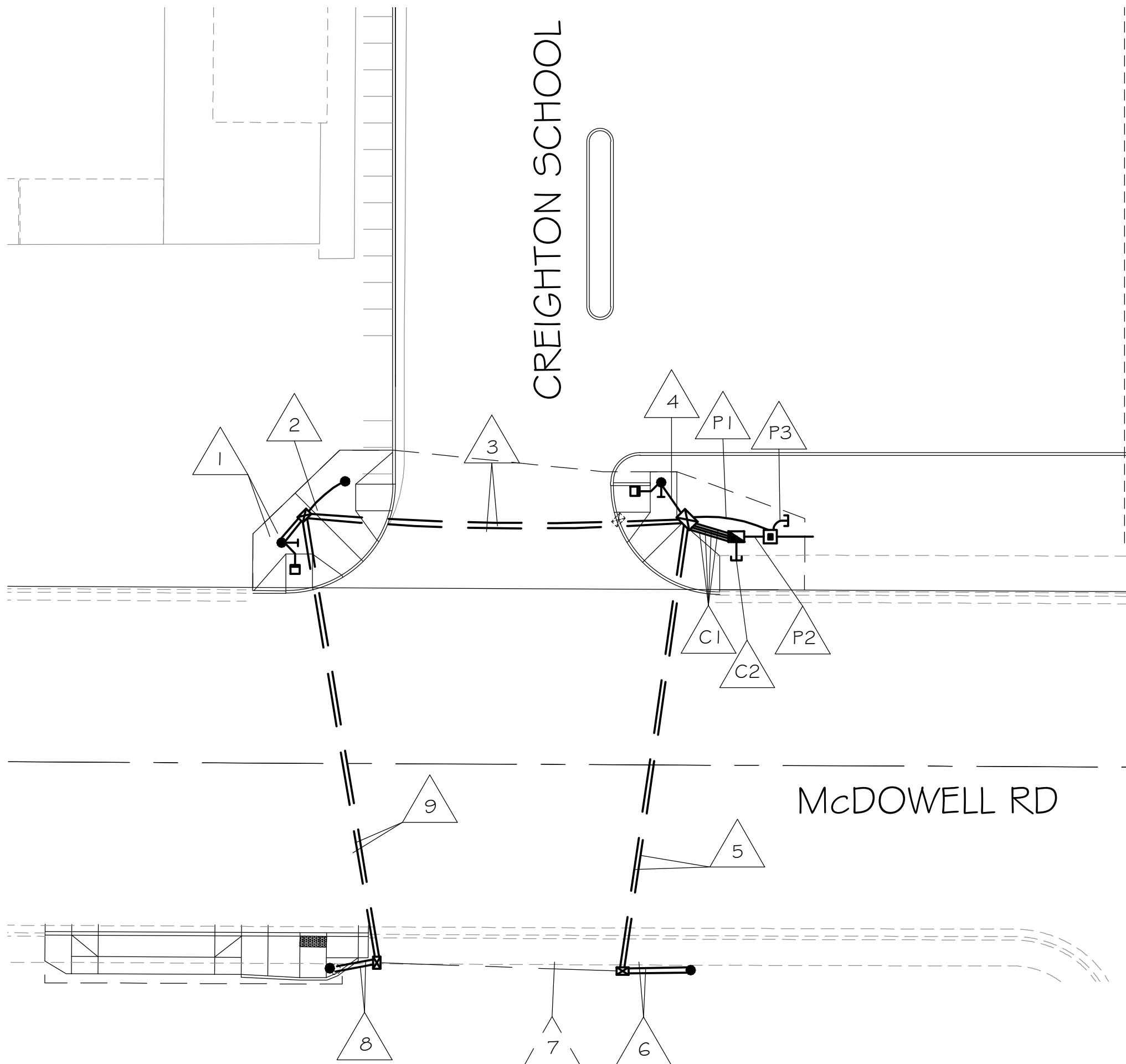
Note:
Adjust all signal head placement as shown on plan.



"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."

APPROVED BY:				TRAFFIC SIGNAL PLANS			
TRAFFIC SIGNAL ENGINEER				CITY OF PHOENIX, ARIZONA STREET TRANSPORTATION DEPARTMENT			
DATE:				McDOWELL RD & CREIGHTON SCHOOL EQUIPMENT			
STREET TRANSPORTATION TRAFFIC SERVICES DEPUTY DIRECTOR		KIVA#: -----		CPST: -----		FILE NO: -----	
DATE: NOV 2019		DES: WTB		CK: AMB		SHEET NO: 2	
DATE:		SCALE: 1" = 20'		Q5. #: -----		TOTAL SHEETS 4	

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



C1 Controller to J-Box (81 lf*)

CONDUIT 1	CONDUIT 2	CONDUIT 3	CONDUIT 4
#10 Bare Copper	#10 Bare Copper	#10 Bare Copper	#10 Bare Copper

C2 Controller to stub out (5 lf*)

CONDUIT 1
#10 Bare Copper

P1 PSP to J-Box (25 lf*)

CONDUIT 1
#10 Bare Copper

P2 PSP to controller (25 lf*)

CONDUIT 1
#10 Bare Copper

P3 PSP to stub out (25 lf*)

CONDUIT 1
#10 Bare Copper

1 J-Box to SM Pole (15 lf*)

CONDUIT 1	CONDUIT 2
#10 Bare Copper 5C IMSA Cable 20C IMSA Cable	#10 Bare Copper

2 J-Box to A Pole (15 lf*)

CONDUIT 1
#10 Bare Copper #10 White THHN 5C IMSA Cable 20C IMSA Cable

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

CONDUIT 1	CONDUIT 2
#10 Bare Copper #10 White THHN 5C IMSA Cable 42C IMSA Cable	#10 Bare Copper

4 J-Box to LM Pole (15 lf*)

CONDUIT 1
#10 Bare Copper #10 White THHN 5C IMSA Cable 42C IMSA Cable

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

CONDUIT 1	CONDUIT 2
#10 Bare Copper #10 White THHN 5C IMSA Cable 42C IMSA Cable	#10 Bare Copper

6 J-Box to SM Pole (15 lf*)

CONDUIT 1	CONDUIT 2
#10 Bare Copper #10 White THHN 5C IMSA Cable 20C IMSA Cable	#10 Bare Copper

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

CONDUIT 1
#10 Bare Copper #10 White THHN 5C IMSA Cable 42C IMSA Cable

8 J-Box to SM Pole (15 lf*)

CONDUIT 1	CONDUIT 2
#10 Bare Copper 5C IMSA Cable 20C IMSA Cable	#10 Bare Copper

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

CONDUIT 1	CONDUIT 2
#10 Bare Copper #10 White THHN 5C IMSA Cable 42C IMSA Cable	#10 Bare Copper

WIRING DIAGRAM NOTES

△ New Wire

△ Existing Wire



F.H.W.A. REGION	STATE	PROJ. NO.	NO.	TOTAL
9	ARIZ.			
WRIGHT 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				



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TRAFFIC SIGNAL PLANS



CITY OF PHOENIX, ARIZONA
STREET TRANSPORTATION DEPARTMENT

McDOWELL RD & CREIGHTON SCHOOL
WIRING

APPROVED BY:

TRAFFIC SIGNAL
ENGINEER

DATE:

STREET TRANSPORTATION
TRAFFIC SERVICES
DEPUTY DIRECTOR

DATE:

KIVA#: -----

DR: WTB

DATE: NOV 2019

SCALE: 1" = 20'

CPST: -----

DES: WTB

DATE:

FILE NO: -----

CK: AMB

DATE:

Q5. #: -----

SHEET

NO:

TOTAL

SHEETS

FILE #:



Professional Engineer
No. 46691
Adam M. Bowers
State of Arizona
Exp. 9-30-22

WRIGHT

engineering corporation

ELECTRICAL ENGINEERING AND DESIGN
165 EAST CHILTON DR • CHANDLER, AZ 85225

F.H.W.A.
REGION

STATE

PROJ. NO.

NO.

TOTAL

9

ARIZ.

PHONE 480.497.5829
FAX 480.497.5807
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WRIGHT PROJECT #
19087

Test working days before you die
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Blue Stakes Center
CALL COLLECT

TRAFFIC SIGNAL PLANS

CITY OF PHOENIX, ARIZONA

STREET TRANSPORTATION DEPARTMENT

APPROVED BY:

DATE:

STREET TRANSPORTATION
TRAFFIC SERVICES
DEPUTY DIRECTOR

KIVA#: -----

CPST: -----

FILE NO: -----

DR: WTB
DATE: NOV 2019

DES: WTB
DATE:

CK: AMB
DATE:

SHEET
NO: 4

TOTAL
SHEETS 4

SCALE: 1" = 20'

Q5. #: -----



**Legal Description
Traffic Control Easement**

Job No. 17-410

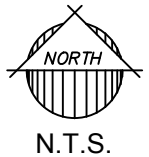
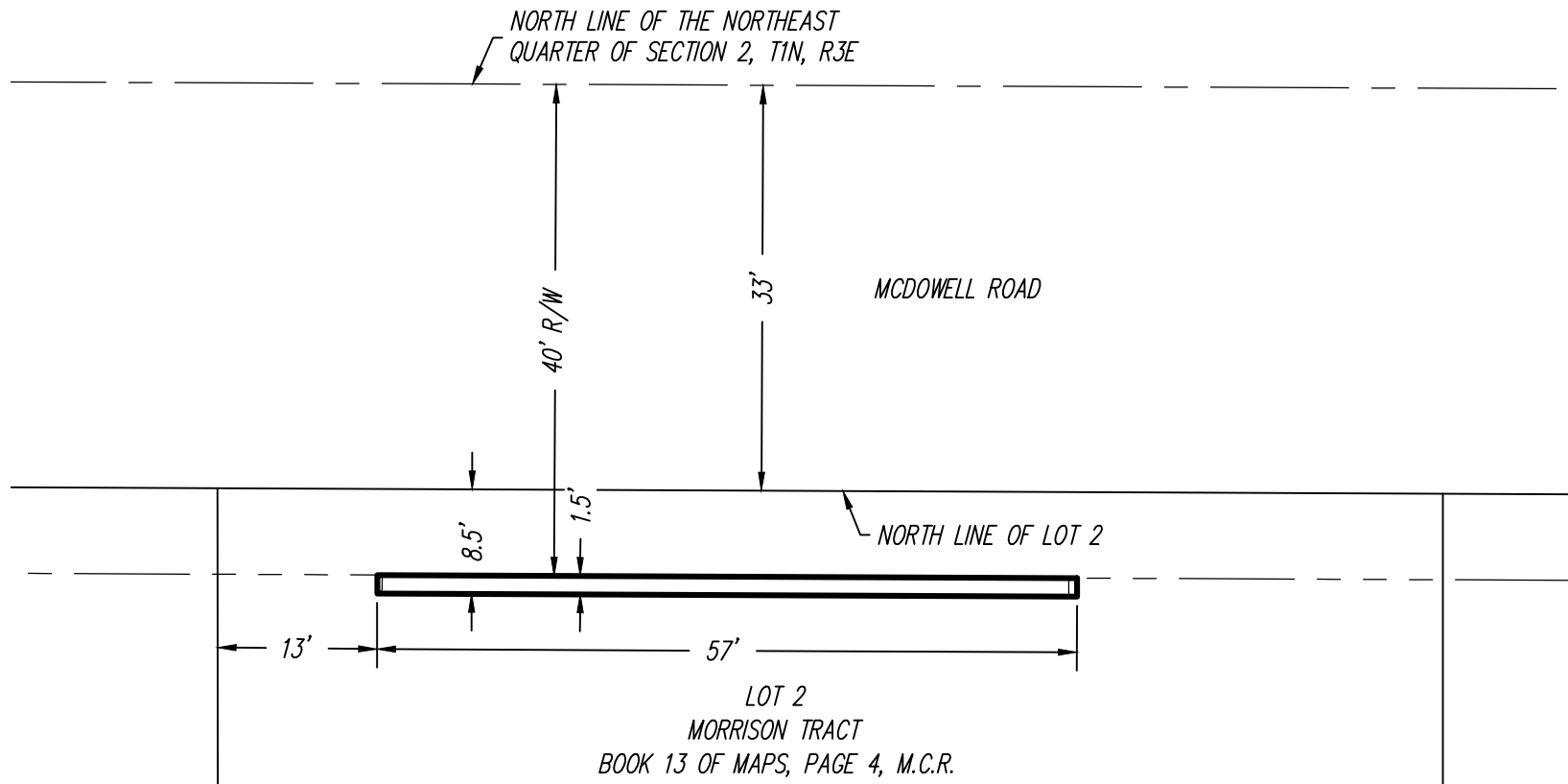
December 31, 2019

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.



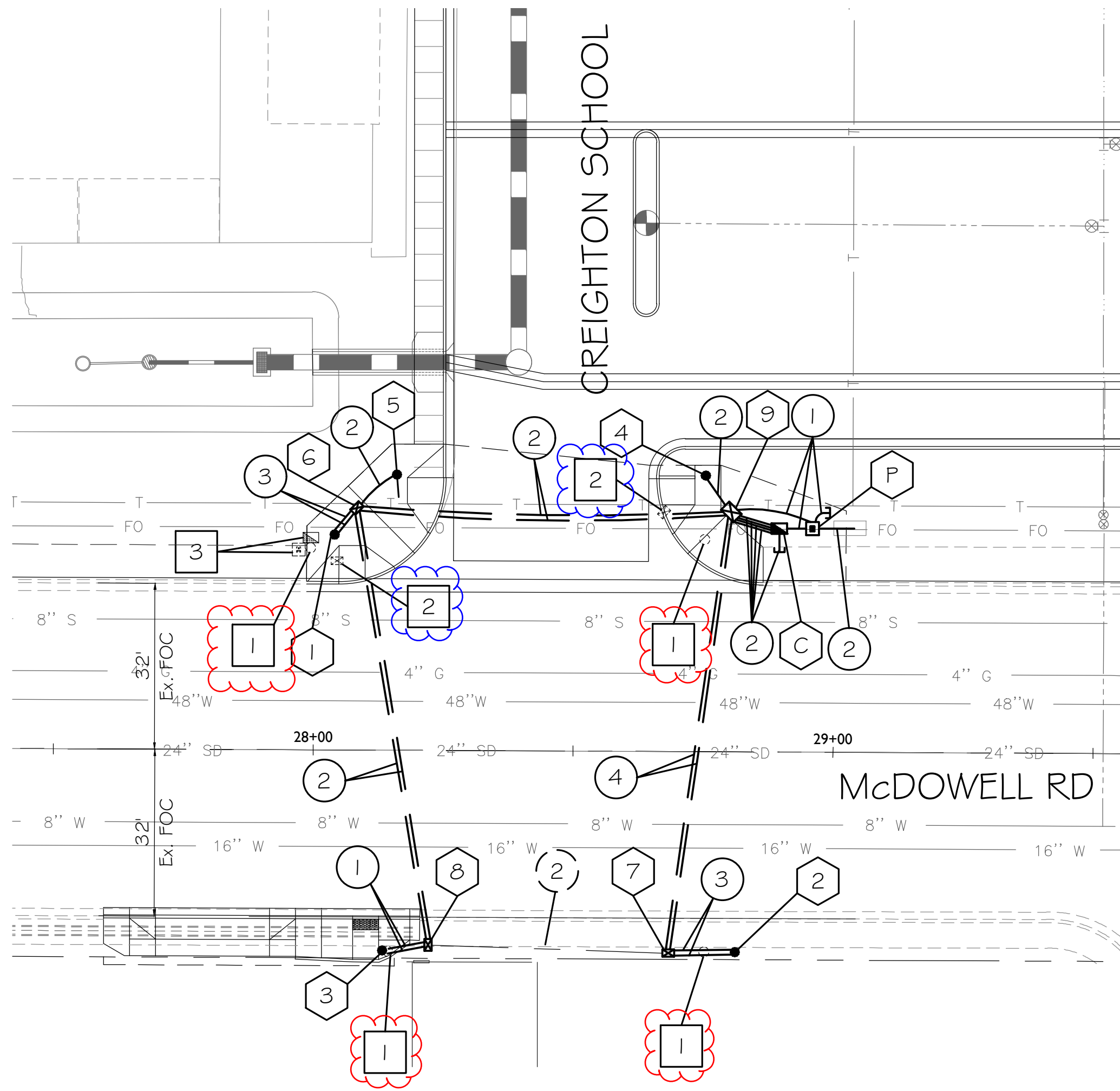


17-410	Traffic Control Easement
	EXHIBIT



1130 N. Alma School Rd.
Ste. 120 Mesa, AZ 85201
T:480.503.2250 | F:480.503.2258
www.epsgroupinc.com

Equipment Demo



Keynote 1
(4) removal or traffic signal foundation

Keynote 2
(2) removal or Junction Box

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.
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- 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.
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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
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- 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.			
WRIGHT 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
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NOTE: Distance is perpendicular to roadway center line

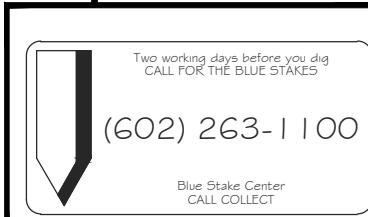
INSTALL

- 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



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TRAFFIC SIGNAL PLANS

CITY OF PHOENIX, ARIZONA
STREET TRANSPORTATION DEPARTMENT

McDOWELL RD & CREIGHTON SCHOOL
FOUNDATION

APPROVED BY: _____

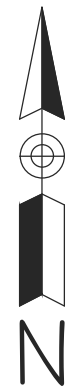
TRAFFIC SIGNAL ENGINEER _____

DATE: _____

STREET TRANSPORTATION TRAFFIC SERVICES DEPUTY DIRECTOR _____

DATE: _____

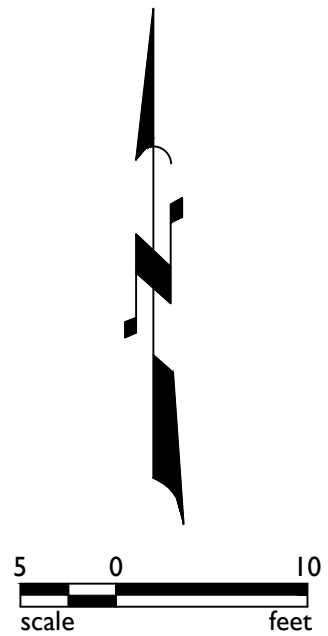
KIVA#: -----	CPST: -----	FILE NO: -----
DR: WTB	DES: WTB	CK: AMB
DATE: NOV 2019	DATE: _____	DATE: _____
SCALE: 1" = 20'	Q5. #: -----	I
		4



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

I7-410 Creighton Elementary School

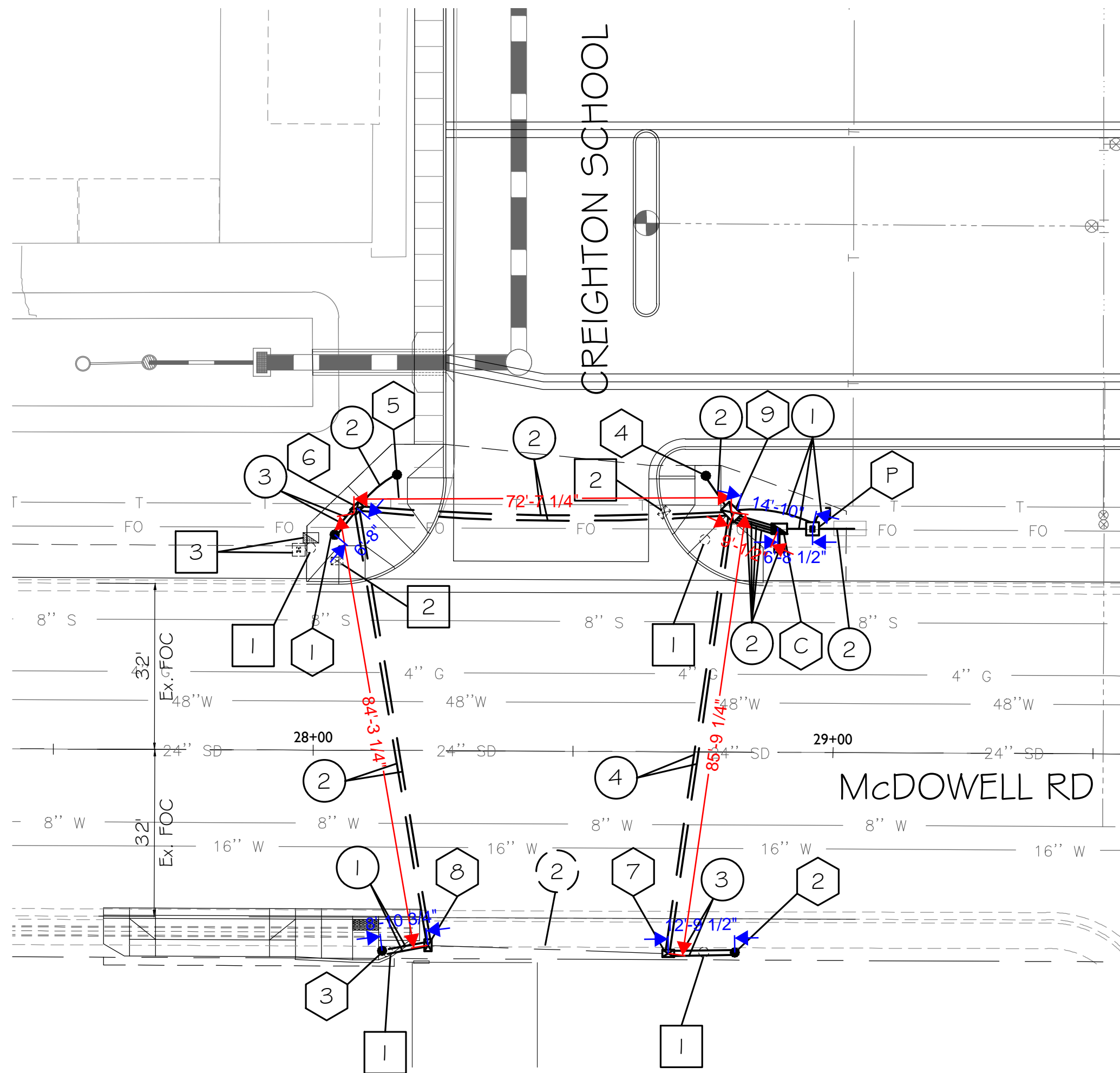
lgarcia



Keynotes 1B
(34 sf) of ABC Patch

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:

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 - 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.

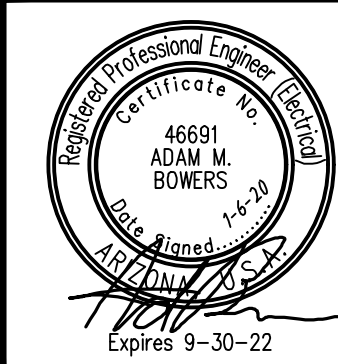
3.3 Removal of existing streetlights:

- 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.			
WRIGHT 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

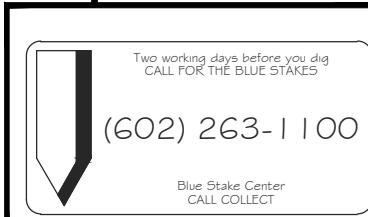
INSTALL

- 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	SHEET NO:	TOTAL SHEETS
DATE: NOV 2019	DATE:	DATE:		
SCALE: 1" = 20'	Q5. #:		1	4

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

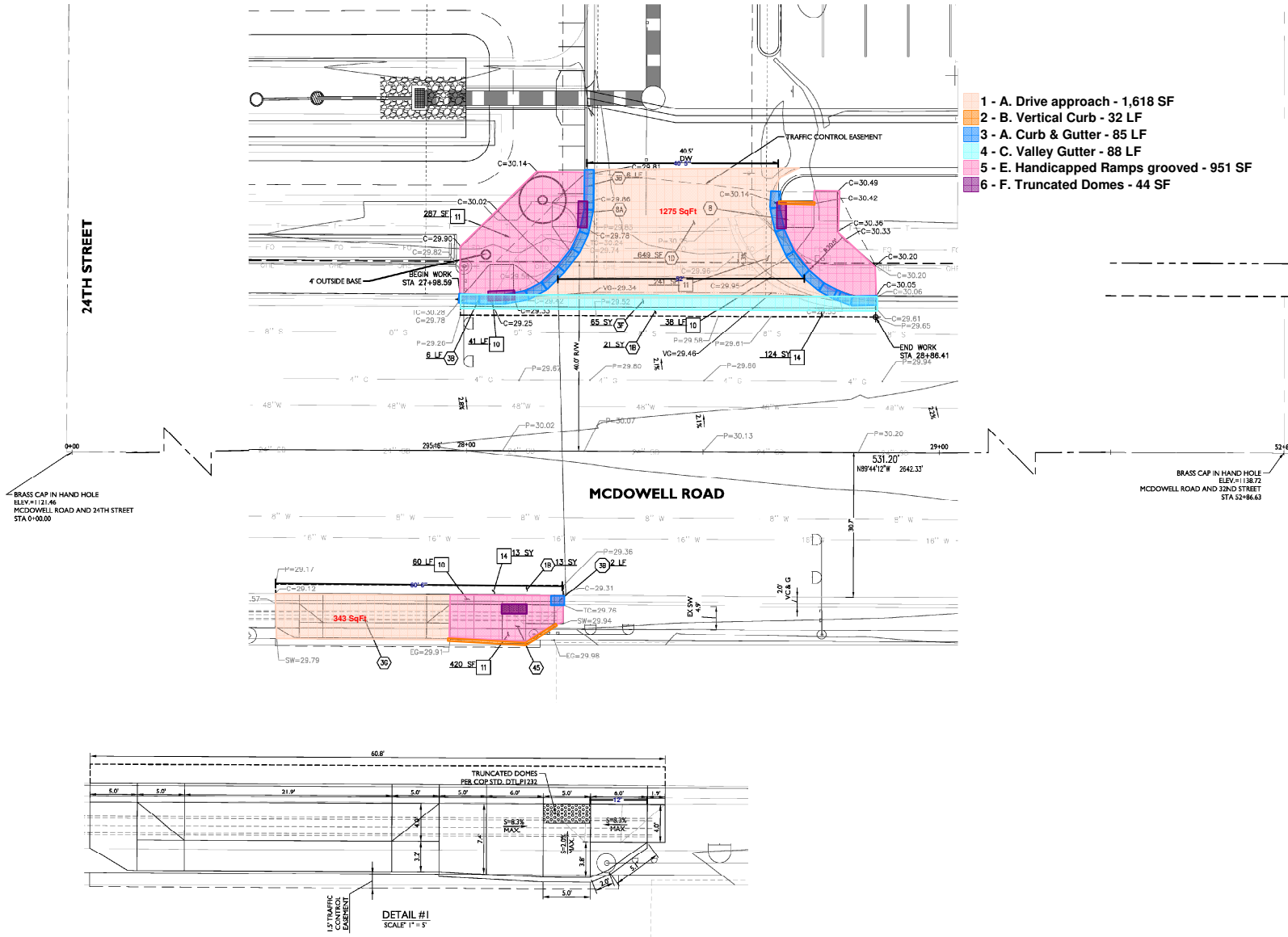
- 10 SAWCUT AND REMOVE EXISTING EXISTING CURB AND GUTTER.
- 11 SAWCUT AND REMOVE EXISTING SIDEWALK.
- 14 SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO CLEAN EDGE.

CONSTRUCTION NOTES

- 139 LF 10 HEAVY DUTY PAVEMENT SECTION 8 AC ON 8 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 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



SPS+ ARCHITECTS

SPS+ ARCHITECTS LLP
 8681 E. VIA DE NEGOCIO
 SCOTTSDALE, AZ 85238
 TEL: 480.991.0800
 FAX: 480.991.2823
 spsplusarchitects.com

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

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REVISIONS
DATE: 5/6/19
DESCRIPTION: 1st Submittal
DATE: 1/22/20
DESCRIPTION: 2nd Submittal

100% SUBMITTAL

EPS GROUP
 REVIEWED BY: EPS
 DRAWN BY: CAB

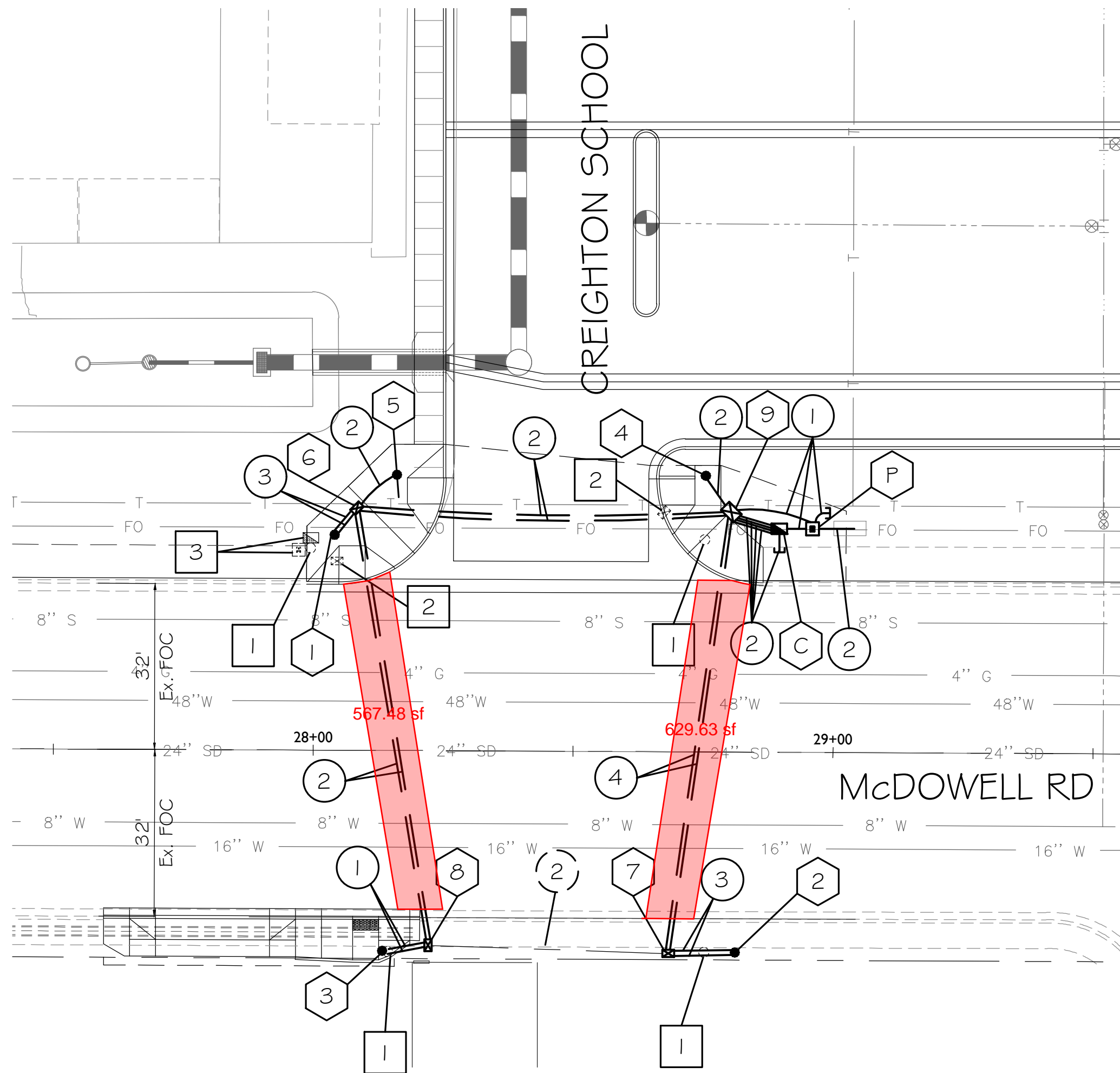


Call us first, we'll save you time and money before you begin your project.
ARIZONA
 800.441.1111

DATE: 01/07/20
 JOB No: 17-410
 SHEET: 3 of 3



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
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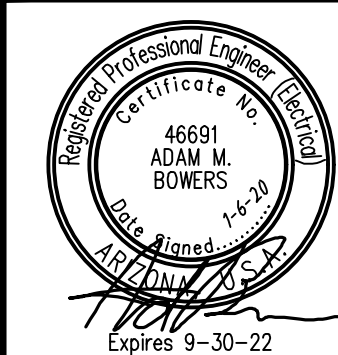
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WRIGHT engineering corporation ELECTRICAL ENGINEERING AND DESIGN 165 EAST CHILTON DR • CHANDLER, AZ 85225				
PHONE 480.497.5829 FAX 480.497.5807 www.wrightengr.com			WRIGHT PROJECT # 19087	

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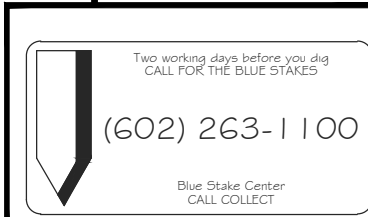
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(602) 263-1100

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CITY OF PHOENIX, ARIZONA
STREET TRANSPORTATION DEPARTMENT

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