



February 23, 2023

Mr. Bryce Christo
City of El Mirage
10000 N. El Mirage Road
El Mirage, AZ 85335

Project Name: Well Street Streetlight
Project No.: TBD
CCC Project No.: TBD

Re: Well Street Streetlight Proposal

Dear Mr. Bryce Christo,

Please find the attached Well Street Streetlight Proposal for the above referenced job order.

The Guaranteed Maximum Price (GMP) of \$37,283.00 includes the following attached documents.

Please feel free to contact me directly should you have any questions or concerns.

Respectfully,

Michael Sullivan, Vice President
Combs Construction Company Inc.

cc: Proposal File



PROPOSAL

DATE: February 23, 2023
TO: City of El Mirage
Re: Well Street Streetlight
Contract No.: TBD

ATTN: Mr. Bryce Christo

Pay Item Number	Description	Pay Quantity	Unit of Measure	Unit Price (current)	Total Price (current)
1	2.5" Conduit per APS Spec	90.00	LF	\$35.00	\$3,150.00
2	J Box (APS Supplied)	1.00	Each	\$825.00	\$825.00
3	Direct Buried Street Light Pole with Mast Arm	1.00	Each	\$8,000.00	\$8,000.00
4	LED Light Fixture with Photocell	1.00	Each	\$1,400.00	\$1,400.00
5	Remove Asphalt	36.00	SY	\$47.00	\$1,692.00
6	Asphalt Patch (3" Thick)	36.00	SY	\$112.00	\$4,032.00
7	Traffic Control	1.00	LS	\$2,000.00	\$2,000.00
8	Mobilization	1.00	LS	\$3,000.00	\$3,000.00
9	General Conditions	1.00	LS	\$10,000.00	\$10,000.00
10	Tax	1.00	LS	\$2,310.00	\$2,310.00
11	Insurance	1.00	LS	\$874.00	\$874.00
					\$37,283.00

NOTES:

Exclusions are checked below:

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Bond
<input type="checkbox"/> Ingress/Egress
<input type="checkbox"/> Sweeping
<input type="checkbox"/> Subgrade Prep
<input checked="" type="checkbox"/> Tack
<input checked="" type="checkbox"/> Permits
<input checked="" type="checkbox"/> PCCP Yield
<input checked="" type="checkbox"/> Wire Control Paving
<input checked="" type="checkbox"/> AC Yield on SY Placements
<input checked="" type="checkbox"/> Material for Maricopa Edges
<input type="checkbox"/> Material | <input type="checkbox"/> ABC Yield on Existing Grade
<input type="checkbox"/> Traffic Control/Flagging
<input checked="" type="checkbox"/> Materials Testing
<input checked="" type="checkbox"/> Night Paving Lighting
<input checked="" type="checkbox"/> Tack Application
<input checked="" type="checkbox"/> Engineering
<input type="checkbox"/> Hauling of Material
<input checked="" type="checkbox"/> Quality Control
<input checked="" type="checkbox"/> Escort Vehicles
<input checked="" type="checkbox"/> Environmental Insurances
<input type="checkbox"/> Water Source/Stand Tank/Water to Rollers | <input type="checkbox"/> Subgrade to within +/- .10
<input checked="" type="checkbox"/> Haul Unit Stand By Cost
<input checked="" type="checkbox"/> Mix Designs
<input checked="" type="checkbox"/> Tribal Taxes
<input checked="" type="checkbox"/> Bumper Blocks
<input checked="" type="checkbox"/> Striping
<input type="checkbox"/> Sales Tax
<input checked="" type="checkbox"/> Survey
<input type="checkbox"/> Sawcutting |
|---|---|---|

Approved by: _____

Date: _____

Estimate Summary

COMBS CONSTRUCTION COMPANY, INC

Job Code: 23-025 CITY OF EL MIRAGE - STREET LIGHT

Description: City of El Mirage Street Light - Well Street and 4th Avenue

		Cost Item							
CBS Position Code	Quantity UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost	
1	90.00 LF	2.5" Conduit per APS Spec	0.00	0.00	Detail	U.S. Dollar	29.00	2,610.00	
1.1	90.00 LF	2.5" Conduit per APS Spec	0.00	0.00	Quote	U.S. Dollar	29.00	2,610.00	
Awardee: AZ Utility and Signal, LLC									
2	1.00 Each	J Box (APS Supplied)	0.00	0.00	Detail	U.S. Dollar	680.00	680.00	
2.1	1.00 Each	J Box (APS Supplied)	0.00	0.00	Quote	U.S. Dollar	680.00	680.00	
Awardee: AZ Utility and Signal, LLC									
3	1.00 Each	Direct Buried Street Light Pole with Mast Arm	0.00	0.00	Detail	U.S. Dollar	6,650.00	6,650.00	
3.1	1.00 Each	Direct Buried Street Light Pole with Mast Arm	0.00	0.00	Quote	U.S. Dollar	6,650.00	6,650.00	
Awardee: AZ Utility and Signal, LLC									
4	1.00 Each	LED Light Fixture with Photo Cell	0.00	0.00	Detail	U.S. Dollar	1,275.00	1,275.00	
4.1	1.00 Each	LED Light Fixture with Photo Cell	0.00	0.00	Quote	U.S. Dollar	1,275.00	1,275.00	
Awardee: AZ Utility and Signal, LLC									
5	36.00 SY	Remove Asphalt	1.00	36.00	Detail	U.S. Dollar	46.34	1,668.40	
5.1	36.00 SY	Remove Asphalt	0.50	72.00	Detail	U.S. Dollar	24.14	869.20	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost			
LOPER2	OPERATOR GROUP 2	4.00	1.00 Each (hourly)	U.S. Dollar	63.30	253.20			
LLABOR	GENERAL LABOR	8.00	2.00 Each (hourly)	U.S. Dollar	40.00	320.00			
EBBACKHOE	BACKHOE	4.00	1.00 Each (hourly)	U.S. Dollar	60.00	240.00			
ETWATERTANK	500 GALLON WATER TANK	4.00	1.00 Each (hourly)	U.S. Dollar	14.00	56.00			
5.2	1.00 EA	haul off	0.00	0.00	Plug	U.S. Dollar	250.00	250.00	
5.3	67.00 LF	Saw Cutting	0.50	134.00	Detail	U.S. Dollar	8.20	549.20	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost			
LOPER2	OPERATOR GROUP 2	4.00	1.00 Each (hourly)	U.S. Dollar	63.30	253.20			
ESSAWTRUCK	SAWTRUCK COMBO	4.00	1.00 Each (hourly)	U.S. Dollar	74.00	296.00			
6	36.00 SY	Asphalt Patch (3" Thick)	1.13	32.00	Detail	U.S. Dollar	111.24	4,004.70	
6.1	10.00 TN	Asphalt C3/4 purchase	0.00	0.00	Plug	U.S. Dollar	115.00	1,150.00	
6.2	10.00 TN	patch ac	0.50	20.00	Detail	U.S. Dollar	118.92	1,189.20	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost			
LOPER2	OPERATOR GROUP 2	4.00	1.00 Each (hourly)	U.S. Dollar	63.30	253.20			
LLABOR	GENERAL LABOR	8.00	2.00 Each (hourly)	U.S. Dollar	40.00	320.00			
EBBACKHOE	BACKHOE	4.00	1.00 Each (hourly)	U.S. Dollar	60.00	240.00			
ERPROLLER	PAVING ROLLER	4.00	1.00 Each (hourly)	U.S. Dollar	94.00	376.00			
6.3	36.00 SY	Grade for Asphalt	0.63	57.60	Detail	U.S. Dollar	46.26	1,665.50	
Resource Code	Description	Hours	Quantity UM	Currency	Unit Cost	Total Cost			
LOPER2	OPERATOR GROUP 2	10.00	2.00 Each (hourly)	U.S. Dollar	63.30	633.00			
LLABOR	GENERAL LABOR	5.00	1.00 Each (hourly)	U.S. Dollar	40.00	200.00			
EKGANNON	PAVE GANNON TRACTOR	5.00	1.00 Each (hourly)	U.S. Dollar	52.00	260.00			
ETWATER4000	4000 GALLON WATER TRUCK	5.00	1.00 Each (hourly)	U.S. Dollar	114.50	572.50			

Cost Item									
CBS Position Code	Quantity	UM	Description	Days	UM/Day	Cost Source	Currency	Unit Cost	Total Cost
7	1.00	LS	Traffic Control	0.00	0.00	Detail	U.S. Dollar	1,500.00	1,500.00
7.1	1.00	LS	Traffic Control	0.00	0.00	Plug	U.S. Dollar	1,500.00	1,500.00
8	1.00	LS	Mobilization	1.00	1.00	Detail	U.S. Dollar	2,630.00	2,630.00
8.1	1.00	LS	ccc	1.00	1.00	Detail	U.S. Dollar	1,630.00	1,630.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
ETTTRANSPORT	COMBS TRANSPORT AND TRAILER	8.00	1.00	Each (hourly)	U.S. Dollar	120.00	960.00		
LTRANSPORT	TRANSPORT	10.00	1.25	Each (hourly)	U.S. Dollar	67.00	670.00		
8.2	1.00	LS	Electrical mobe	0.00	0.00	Quote	U.S. Dollar	1,000.00	1,000.00
Awardee: AZ Utility and Signal, LLC									
9	1.00	LS	General Conditions	7.00	0.14	Detail	U.S. Dollar	9,042.00	9,042.00
9.1	5.00	Day	Super	5.00	1.00	Detail	U.S. Dollar	1,288.00	6,440.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
LSPER	SUPERINTENDENT	40.00	1.00	Each (hourly)	U.S. Dollar	118.00	4,720.00		
ETPICKUP	PICKUP TRUCK 1/2TN TO 3/4 TN	40.00	1.00	Each (hourly)	U.S. Dollar	43.00	1,720.00		
9.2	1.00	Day	PM	1.00	1.00	Detail	U.S. Dollar	1,344.00	1,344.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
ETPICKUP	PICKUP TRUCK 1/2TN TO 3/4 TN	8.00	1.00	Each (hourly)	U.S. Dollar	43.00	344.00		
LPROJMAN	PROJECT MANAGER	8.00	1.00	Each (hourly)	U.S. Dollar	125.00	1,000.00		
9.3	1.00	Day	Office	1.00	1.00	Detail	U.S. Dollar	808.00	808.00
Resource Code	Description	Hours	Quantity	UM	Currency	Unit Cost	Total Cost		
LOFFICE	OFFICE SUPPORT	8.00	1.00	Each (hourly)	U.S. Dollar	60.00	480.00		
EOFFICECAR	OFFICE CAR	8.00	1.00	Each (hourly)	U.S. Dollar	41.00	328.00		
9.4	1.00	LS	Water	0.00	0.00	Plug	U.S. Dollar	150.00	150.00
9.5	1.00	LS	J-John	0.00	0.00	Plug	U.S. Dollar	300.00	300.00
10	1.00	LS	Tax	0.00	0.00	Detail	U.S. Dollar	0.00	0.00
11	1.00	LS	Insurance	0.00	0.00	Detail	U.S. Dollar	0.00	0.00
12	1.00	LS	NON PAY	0.00	0.00	Detail	U.S. Dollar	0.00	0.00
0.2	1.00	Lump Sum	Prime Bond	0.00	0.00	Detail	U.S. Dollar		0.00
0.3	1.00	Lump Sum	Price % Add-On TAX and Insurance 2.5%	0.00	0.00	Detail	U.S. Dollar		3,188.66
0.4	1.00	Lump Sum	Job Management & Equipment	0.00	0.00	Detail	U.S. Dollar		0.00
0.5	1.00	Lump Sum	Direct Cost Add-On	0.00	0.00	Detail	U.S. Dollar		45.51
Report Total:				10.13					33,294.27

Category	Total
Labor	9,148.11
Owned Equipment	5,392.50
Materials	1,300.00
Subcontract	14,265.00
Fees	3,188.66

Quote

AZ Utility & Signal LLC
6753 W. Avenida Del Sol
Peoria AZ 85383

DC # 302499 A-17

Phone # 602-818-9798

Fax 623-376-9120

Project Name

City Of Elmirage

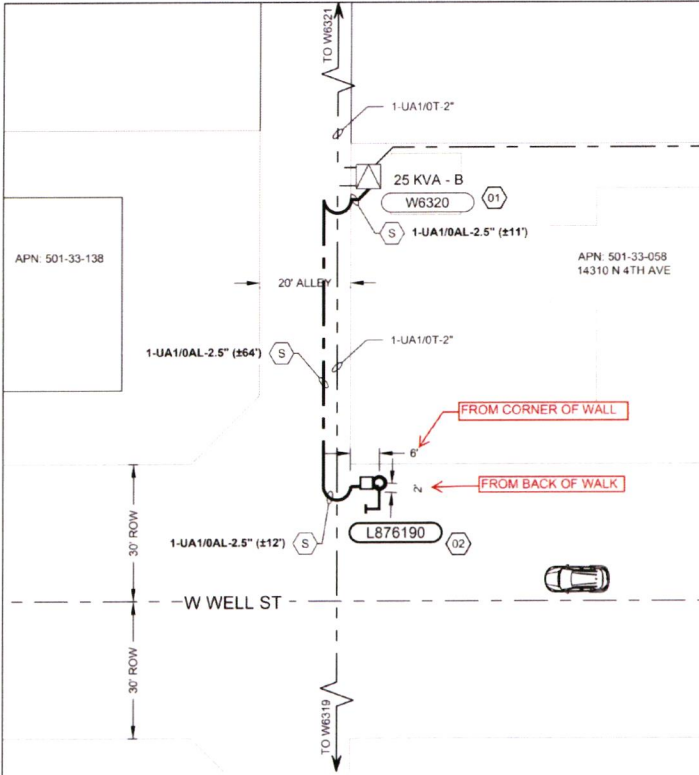
APS W.O.# WA 685523

Mike Sullivan
Combs Construction Company, Inc.

Item.#	Item. Description	Quantity	Unit Price	Amount
1	2.5" Conduit Per APS Spec.	64'	\$29.00	\$1,856.00
2	J Box APS Supplied	1.00	\$680.00	\$680.00
3	Directed Burried Pole with Mast Arm	1.00	\$6,650.00	\$6,650.00
4	LED Light Fixture with Photo Cell	1.00	\$1,275.00	\$1,275.00
5	Mobilization	LS	\$1,000.00	\$1,000.00
			Total	\$11,461.00

City of El Mirage
ENGINEERING
JAN 18, 2023
PERMIT SET
AS NOTED

ISSUED-FOR-CONSTRUCTION
FINAL DESIGN
12/19/2022 — KARL CHUBIN



Contact Arizona 811 at least two full working days before you begin excavation



Call 811 or click Arizona811.com

DISCLAIMER

REVISED: 7/20/2021

BY ACCEPTING THIS DATA, RECIPIENT ACKNOWLEDGES AND AGREES TO THE FOLLOWING CONDITIONS:

- ALL DATA PROVIDED BY APS IS RESTRICTED TO USE AND REFERENCE ONLY TO THE SITE AND PROJECT FOR WHICH IT WAS ORIGINALLY PROVIDED. ANY OTHER USES ARE PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM APS.
- ANY USE OF ELECTRONIC DATA PROVIDED FROM APS OR RECEIVED FROM ANY OTHER SOURCE SHALL BE THE RECIPIENT'S OWN RISK. RECIPIENT RECEIVES AND USES ALL DATA PROVIDED FROM APS OR ANY OTHER SOURCE AT HIS/HER OWN RISK. RECIPIENT SHALL BE RESPONSIBLE FOR ANY AND ALL LEGAL, DEFENSE AND ATTORNEY FEES, THE ELECTRONIC DATA PROVIDED FROM APS IS PROVIDED FROM PARTIES UNRELATED TO THIS PROJECT WITHOUT WRITTEN AUTHORIZATION FROM APS.
- RECIPIENT ACKNOWLEDGES THAT CONSTRUCTION PLANS MAY BE UPDATED AND THE ELECTRONIC DATA PROVIDED HEREIN BY APS MAY BE OBSOLETE. THE ELECTRONIC DATA SHALL NOT BE CONSIDERED "CONSTRUCTION DOCUMENTS". ALL DOCUMENTS CONSIDERED "CONSTRUCTION DOCUMENTS" SHALL BE HARD COPY ONLY AND IF AN EQUIPMENT RELOCATION OR ADDITION IS MADE, THE ELECTRONIC DATA CORRECTS AND MATCHES THE LATEST SET OF CONSTRUCTION DOCUMENTS.
- IT IS THE RECIPIENT'S RESPONSIBILITY TO CONTACT BLUE STAKE FOR ANY INFORMATION TO BE USED TO CONDUCT BLUE STAKE SURVEYING TO VERIFY LOCATIONS OF A.S.S. 8143-01 AND 8143-02.
- BY RECEIVING THIS APPROVED DOCUMENT, CUSTOMER ACKNOWLEDGES THAT ALL INFORMATION AND DATA PROVIDED HEREIN IS FOR INFORMATION ONLY AND CUSTOMER ASSUMES FULL RESPONSIBILITY FOR ANY DEVIATIONS OR CHANGES WITHOUT WRITTEN CONSENT TO APS.

CODE	TYPE	INST	REM	ABAND
6220	UA1/0AL LIGHTING	102'	0'	0'
TOTAL TRENCH (ft):		+87'		
TOTAL TRENCH IN R/W(ft):		+87'		

GENERAL CONSTRUCTION NOTES

- CUSTOMER TO PROVIDE & INSTALL:**
- STAKING PROPERTY CORNERS WITH OFFICIAL SURVEY CAPS, ELEVATIONS AND GRADES. THERE IS A RESTAKING FEE IF RESURVEYING IS REQUIRED DUE TO APS SURVEY STAKES BEING DESTROYED IN THE FIELD.
 - ALL APPROVED TRENCH & CONDUIT MATERIALS IN COMPLIANCE WITH THE A.P.S. TRENCH AGREEMENT & THE TRANSMISSION & DISTRIBUTION CONSTRUCTION STANDARDS, UNLESS OTHERWISE NOTED.

APS TO PROVIDE, CUSTOMER TO INSTALL

- EQUIPMENT PADS (EXCEPT 3-PHASE TRANSFORMER PADS), J-BOXES, PULL BOXES, FLAT STRAP AND MANHOLES UNLESS NOTED OTHERWISE. PLEASE CONTACT CSR TO ARRANGE TO PICK UP YOUR MATERIAL.

COORDINATE WITH W/0#

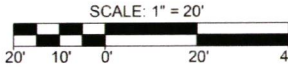
Curbs and Sidewalks
SIDEWALKS AND CURBS INSTALLED PRIOR TO THE COMPLETION OF APS CONSTRUCTION, WHICH MAY INTERFERE WITH APS CONSTRUCTION, WILL BE REPAIRED AT CUSTOMER'S EXPENSE.

Revisions
THERE WILL BE A CHARGE TO THE CUSTOMER FOR CHANGES MADE AT THE REQUEST OF THE CUSTOMER TO THE FINAL DESIGN.

Easements
TRENCH, CONDUIT, AND ANY OTHER FACILITIES INSTALLED PRIOR TO OBTAINING EASEMENTS IS AT THE RISK OF THE CUSTOMER. IF THE FINAL DESIGN MUST CHANGE BECAUSE EASEMENTS CANNOT BE GRANTED, THE CUSTOMER IS RESPONSIBLE FOR ALL COST AND INSTALLATION ASSOCIATED WITH THE CHANGE.

Permits
APS WILL SUBMIT PERMITS. CONTRACTOR MUST SHOW PROOF OF BOND AND SIGN PERMITS PRIOR TO STARTING WORK.

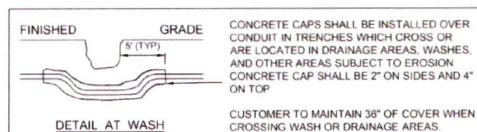
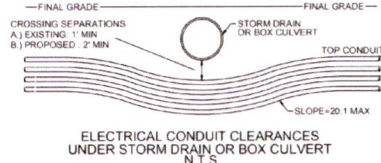
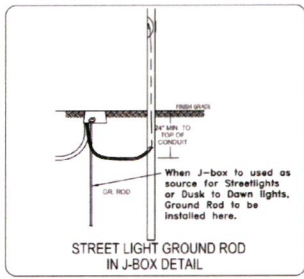
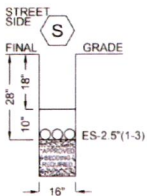
Existing Underground Electric Lines
THE LOCATION OF LINES IS APPROXIMATE AND THE AS-BUILT LOCATIONS IN THE FIELD MAY BE DIFFERENT.



CONSTRUCTION NOTES:

01 INSTALL 2701 BV 8681 EQV (APS TO PROVIDE, CUSTOMER TO INSTALL 2.5" PLUG)

02 INSTALL 1584 300 (CUSTOMER TO PROVIDE & INSTALL) 8040 S6CL61D (120V) (5,100 LUMEN) LED (CUSTOMER TO PROVIDE & INSTALL) 8130 S (CUSTOMER TO PROVIDE & INSTALL) 8143 01 (CUSTOMER TO PROVIDE & INSTALL) 8143 02 (CUSTOMER TO PROVIDE & INSTALL) 8655 NL (APS TO PROVIDE, CUSTOMER TO INSTALL)



WARNING!!!

ALL DATA CONTAINED IN THIS DRAWING WAS BASED ON INFORMATION AVAILABLE AT THE TIME OF ITS PREPARATION. APS NEITHER ENCOURAGES RELIANCE ON, NOR WARRANTS, THE ACCURACY OF THE DRAWING. PLEASE CALL BLUE STAKE BEFORE DIGGING OR TRENCHING. FAILURE TO CONTACT BLUE STAKE MAY RESULT IN VIOLATIONS OF A.R.S. SS 40-360.21 AND 40-360.22A

UTILITIES KEY

EXISTING	PROPOSED	
W	WATER	W
S	SEWER	S
G	GAS	G
SD	STORM DRAIN	SD
IRR	IRRIGATION	IRR
TS	TRAFFIC SIGNAL	TS
T	TELCO	T
CATV	CABLE TV	CATV
FO	FIBER	FO

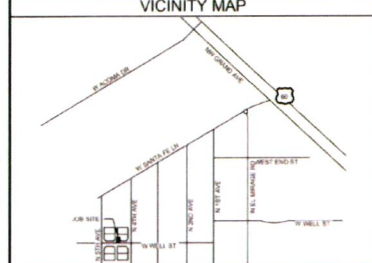
OH TRANSMISSION (69KV)*
OH PRIMARY (12,470/7,200V)*
OH SECONDARY/SERVICE (120/240V)*
UG TRANSMISSION (69KV)*
UG PRIMARY (12,470/7,200V)*
UG SECONDARY/SERVICE (120/240V)*

SPARE CONDUIT
TRENCH RUNNING LINE
* UNLESS OTHERWISE NOTED

APS SYMBOL LEGEND

EXISTING	PROPOSED
▲	PADMOUNT TRANSFORMER
□	SWITCHING CABINETS
□	1Ø SWITCHING CABINET
□	OH/UG CAPACITOR BANK
□	J-BOX / PULL BOX
○	MANHOLES
▲	OH TRANSFORMER
○	OH SWITCH (KPF)
○	APS OWNED POLE
○	APS OWNED STEEL POLE
○	APS OWNED JOINT USE POLE
○	DIP (TRANSITION) POLE
○	STREET LIGHT
○	DUSK TO DAWN LIGHT

DATA MODIFIED PER FIELD CONDITIONS



QUARTER SECTION GRID DATA

T3N R1W Sec 11 SE 1/4 MAP#

CONTACT: JESSEE GRESLY
PHONE: MOBILE: 480-745-4863
INSPECTOR: BOB PICKERING
PHONE: MOBILE: 602-397-0078

WA68523
EL MIRAGE STREET LIGHT
APN: 501-33-058
FILE: WA68523.DWG
BY: KARL CHUBIN DATE: 12/19/2022
SCALE: 1:20 SHEET 1 OF 1

GENERAL INFORMATION:

1. NO PERSON, CORPORATION, CONTRACTOR, OR UTILITY SHALL WORK WITHIN THE RIGHT-OF-WAY, ROAD, STREET, OR EASEMENTS GRANTED FOR PUBLIC USE OR ALLEYS WITHOUT SECURING AN ENGINEERING CONSTRUCTION PERMIT FROM THE ENGINEERING DIVISION.
2. ENGINEERING CONSTRUCTION PERMITS ARE REQUIRED FOR GRADING, DRAINAGE, EROSION CONTROL, FLOOD CONTROL STRUCTURES, HAULING MATERIAL IN EXCESS OF 500 CUBIC YARDS, OILING, GRAVELING OR ANY SURFACING OF ANY STREET OR ALLEY, WATER SYSTEM, SEWER SYSTEM, STORM DRAIN SYSTEM, TRENCHING, GAS OR ANY OTHER TYPES OF PIPE LINES, DRYWELLS, PAVING, CURB, GUTTER, SIDEWALKS, DRIVEWAYS, FLOOD IRRIGATION, LANDSCAPE/IRRIGATION, TRAFFIC SIGNALS, STRIPING AND SIGNAGE, BANK STABILIZATION AND CHANNELIZATION, STREET LIGHTS, WELL ABANDONMENT, UTILITY LINES SUCH AS ELECTRIC, TELEPHONES, TELEVISION, COMMUNICATIONS AND OTHER SIMILAR FACILITIES.
3. CONSTRUCTION WORK HOURS WITHIN THE CITY OF EL MIRAGE SHALL COMPLY WITH THE FOLLOWING:

	CONSTRUCTION TYPE	MAY 1 - SEPTEMBER 30	OCTOBER 1 - APRIL 30
A	ALL CONSTRUCTION WORK - MONDAY THROUGH SATURDAY	6:00 A.M. TO 7:00 P.M.	7:00 A.M. TO 7:00 P.M.
B	ALL CONSTRUCTION WORK - SUNDAY	8:00 A.M. TO 7:00 P.M.	8:00 A.M. TO 7:00 P.M.

FRIDAY, NIGHTTIME AND WEEKEND WORK REQUIRES PERMISSION IN WRITING FROM THE CITY ENGINEER OR THEIR DESIGNEE.

4. NO INTERFERENCE WITH TRAFFIC FLOW ON ARTERIAL STREETS SHALL BE PERMITTED DURING THE HOURS OF 6:00 A.M. TO 8:30 A.M. OR FROM 4:00 P.M. TO 7:00 P.M. UNLESS PRIOR AUTHORIZATION IS OBTAINED IN WRITING BY THE CITY OF EL MIRAGE CITY ENGINEER OR THEIR DESIGNEE.
5. PRIOR TO ISSUANCE OF ENGINEERING CONSTRUCTION PERMITS, THE CONTRACTOR/DEVELOPER MUST PROVIDE THE CITY OF EL MIRAGE WITH THE SPECIFIC INFORMATION NOTED IN SECTION L OF THE CITY'S DESIGN & DEVELOPMENT STANDARDS MANUAL (DDSM) AND PAYMENT OF FEES PER THE CITY'S LATEST FEE SCHEDULE. ANY PERSON, CORPORATION, CONTRACTOR, OR UTILITY COMPANY WORKING IN THE RIGHT-OF-WAY, ROAD, STREET, OR EASEMENTS GRANTED FOR PUBLIC USE OR ALLEYS WITHOUT SECURING A PERMIT IS SUBJECT TO A FINE IN ACCORDANCE WITH THE CITY CODE.
6. TRAFFIC CONTROL SHALL CONFORM TO THE LATEST EDITIONS OF THE CITY OF PHOENIX TRAFFIC BARRICADE MANUAL, MUTCD, AND THE CITY OF EL MIRAGE DESIGN AND DEVELOPMENT STANDARDS MANUAL (DDSM). THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN PER THE PHOENIX TRAFFIC BARRICADE MANUAL. BARRICADES MUST BE CONTINUALLY MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. IF ANY PART OF THE TRAFFIC CONTROL PLAN FALLS WITHIN 300' OF A SIGNALIZED INTERSECTION, AN OFF-DUTY OFFICER WILL BE REQUIRED FOR TRAFFIC CONTROL. A TRAFFIC CONTROL PLAN (TCP) SHALL BE SUBMITTED TO THE ENGINEERING DIVISION A MINIMUM OF TWO WORKING DAYS (48-HOURS) PRIOR TO CONSTRUCTION. AN ACCEPTED TCP WILL BE STAMPED AND A COPY RETURNED TO THE CONTRACTOR. A COPY OF THE ACCEPTED PLAN MUST REMAIN ON THE JOB SITE AT ALL TIMES.
7. REFER TO SECTION N AND CHAPTERS 7-3 AND 7-4 OF THE DDSM FOR A LIST OF THE REQUIRED CLOSE OUT ITEMS. ANY QUESTIONS SHOULD BE DIRECTED TO THE ENGINEERING INSPECTOR.



ADOPTED BY COUNCIL:
DECEMBER 7, 2021

GENERAL INFORMATION

REVISION DATE: 01/2021

STANDARD DETAIL NO.

EM-101-1

DRY UTILITY NOTES:

1. ALL WORK PERFORMED IN THE CITY OF EL MIRAGE RIGHT-OF-WAY AND ALLEYS WILL REQUIRE AN ACCEPTED TRAFFIC CONTROL PLAN PREPARED BY A BARRICADE COMPANY AND SHALL BE GOVERNED BY THE LATEST EDITION OF THE CITY OF PHOENIX TRAFFIC BARRICADE MANUAL. THE CONTRACTOR/UTILITY COMPANY SHALL HAVE A COPY OF THE APPROVED CONSTRUCTION PLANS, APPROVED TRAFFIC CONTROL PERMIT/PLANS AND CONSTRUCTION PERMIT AT THE PROJECT SITE AT ALL TIMES.
2. PLAN APPROVAL BY THE CITY OF EL MIRAGE FOR COMPLIANCE WITH CITY REQUIREMENTS SHALL NOT PREVENT THE CITY FROM REQUIRING CORRECTION OF ERRORS FOUND TO BE IN VIOLATION OF ANY LAW, ORDINANCE, OR CITY OF EL MIRAGE REQUIREMENTS FOR UTILITY CONSTRUCTION IN THE RIGHT-OF-WAY. THE CITY OF EL MIRAGE DOES NOT WARRANT ANY OF THE QUANTITIES SHOWN ON THESE PLANS.
3. ALL UTILITY CONSTRUCTION SHALL CONFORM TO THE LATEST MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AND TO THE CITY OF EL MIRAGE SUPPLEMENTS TO MAG DETAILS.
4. ALL UTILITY WORK CROSSING EXISTING STREETS MUST BE ACCOMPLISHED BY HORIZONTAL DIRECTIONAL DRILLING, UNLESS OTHERWISE APPROVED BY THE CITY. ALL UTILITIES CROSSING STREETS OR ROADS BEING BORED/HORIZONTAL DIRECTIONAL DRILLED SHALL COMPLY WITH MAG SPECIFICATION SECTION 608 WHERE POSSIBLE. ALL STREET OR ROAD CROSSINGS SHALL BE PLACED WITHIN CONDUIT(S) OR SLEEVES.
5. THE ENGINEERING INSPECTOR MUST BE NOTIFIED NO MORE THAN FIVE (5) BUSINESS DAYS AND NOT LESS THAN 24-HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE PERMIT NUMBER AND LOCATION MUST BE PROVIDED.
6. PROPER NOTIFICATION MUST BE MADE TO ALL EFFECTED RESIDENTS. THIS INCLUDES NOTIFICATION/INFORMATION SIGNS AND HANGING OF DOOR NOTICES. DOOR HANGERS SHALL BE HUNG PRIOR TO BLUE-STAKING AND COMMENCING NON-EMERGENCY WORK.
7. ALL WORK REQUIRING ASPHALT REPLACEMENT, CONCRETE REPLACEMENT OR RESURFACING IN THE RIGHT-OF-WAY WILL REQUIRE A FINAL INSPECTION WITH THE UTILITY COMPANY REPRESENTATIVE AT THE TIME OF COMPLETION. TEMPORARY PAVEMENT REPLACEMENT THAT USES COLD-MIX ASPHALT SHALL BE REPLACED NO LATER THAN 7-BUSINESS DAYS AFTER INITIAL PLACEMENT. THIS ALSO INCLUDES PAVEMENT MARKINGS.
8. ALL POTHOLES FOR EXISTING UTILITY CROSSINGS OR SOIL BORINGS FOR FUTURE UTILITIES WILL BE REPAIRED WITH A FULL DEPTH T-TOP PER MAG STANDARD DETAIL 212, TYPE 'A'. THE CITY MAY REQUIRE ADDITIONAL REPAIRS, AS REQUIRED BY THE ENGINEERING INSPECTOR.
9. THE FOLLOWING ITEMS SHALL BE APPROVED IN THE FIELD BY THE ENGINEERING INSPECTOR TO ACCOUNT FOR UNFORESEEN CONDITIONS:
 - A. BACKFILL AND COMPACTION
 - B. CONCRETE REPAIR AND CURING
 - C. ASPHALT REPAIR AND PAVEMENT MATCHING
10. WHEN EXCAVATING IN OR ADJACENT TO LANDSCAPING WITHIN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER, HOA OR MANAGEMENT COMPANY REGARDING THE LOCATION OF UNDERGROUND IRRIGATION FACILITIES.
11. ALL PAVEMENT REPLACEMENT SHALL CONFORM WITH MAG STANDARD DETAIL 200-1 MODIFIED WITH A ONE-HALF (1/2) SACK PORTLAND CEMENT ABC SLURRY, WHICH CONFORMS TO MAG STANDARD SPECIFICATION 728, (MODIFIED FOR ONE-HALF SACK PORTLAND CEMENT), FOR TRENCH BACKFILL FROM ONE (1) FOOT ABOVE THE TOP OF PIPE TO THE EXISTING PAVEMENT SUBGRADE. USE TYPE 'A' FOR LONGITUDINAL TRENCH REPAIR AND USE "T TOP" FOR TRANSVERSE TRENCH REPAIR OR WHEN A TRENCH RUNS THROUGH AN INTERSECTION. PAVEMENT REPLACEMENT THICKNESS SHALL BE 1.5 TIMES THE EXISTING ASPHALT THICKNESS. AC MIX DESIGN SHALL BE PER THE CITY OF PHOENIX C-3/4" MIX. CRACK SEALING IS REQUIRED.
12. ALL TRENCHES IN EXISTING AND FUTURE PAVEMENT ARE REQUIRED TO BE BACKFILLED WITH A MINIMUM OF ½ SACK SLURRY CONTROLLED LOW-STRENGTH MATERIAL AND ALL TRENCHING WITHIN 2-FEET OF THE BACK OF CURB OR EDGE OF PAVEMENT WILL REQUIRE ABC COMPACTED TO 95% OR ½ SACK SLURRY CONTROLLED LOW-STRENGTH MATERIAL PER MAG SECTIONS 604 AND 728.
13. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY SHALL BE REPORTED TO THE CITY OF EL MIRAGE AND THE PROPERTY OWNER. REPAIR AND/OR REPLACEMENT, IN KIND, SHALL BE COORDINATED WITH THE PROPERTY OWNER AND/OR THE CITY.
14. ALL WORK THAT LIES WITHIN A SPECIAL FLOOD HAZARD AREA (SFHA) WILL REQUIRE A FLOODPLAIN REVIEW BY THE FLOODPLAIN ADMINISTRATOR OR THEIR DESIGNEE AND ADDITIONAL STIPULATIONS MAY BE REQUIRED.
15. THE JOBSITE SHALL BE CLEANED OF ANY DEBRIS OR SPOILS RESULTING FROM THIS PROJECT AT THE COMPLETION OF THE PROJECT.
16. THE UTILITY PROVIDER IS RESPONSIBLE FOR OBTAINING A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS, INCLUDING NOTICE OF INTENT (NOI), NOTICE OF TERMINATION (NOT), AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS NECESSARY.
17. THE UTILITY PROVIDER IS RESPONSIBLE FOR OBTAINING A DUST CONTROL PERMIT IN ACCORDANCE WITH MARICOPA COUNTY RULE 310.



ADOPTED BY COUNCIL:
DECEMBER 7, 2021

DRY UTILITY NOTES

REVISION DATE: 01/2022

STANDARD DETAIL NO.

EM-101-11