

CITY OF SEDONA SIM-11J PINON DRIVE SHARED USE PATH **IMPROVEMENT PLANS**

LOCATED IN A PORTION OF SECTION 15, TOWNSHIP 17 NORTH, RANGE 5 EAST, GILA AND SALT RIVER MERIDIAN, YAVAPAI COUNTY, ARIZONA.

COORDINATE SYSTEM DETAILS LEGEND INTERNATIONAL FOOT <u>LINEAR UNIT:</u> ----- RECORD PARCEL BOUNDARIES GEODETIC DATUM: NAD 1983 (2011) ----- RECORD EASEMENTS VERTICAL DATUM: NAVD 1988 (SEE BELOW) STATE PLANE COORDINATE SYSTEM (CITY OF SEDONA) SYSTEM: EXISTING INDEX CONTOURS <u>ZONE:</u> ARIZONA CENTRAL 0202 EXISTING INTERMEDIATE CONTOURS PROJECTION TRANSVERSE MERCATOR EXISTING BUILDINGS LATITUDE OF GRID ORIGIN: 31°00'00" N LONGITUDE OF CENTRAL MERIDIAN: 111°55'00" W ____X____X____X____X____X____X_EXISTING FENCE NORTHING AT GRID ORIGIN: 0.000 FT EASTING AT CENTRAL MERIDIAN: 700,000 FT _____ EXISTING RETAINING WALL CENTRAL MERIDIAN SCALE FACTOR: 0.9999 (EXACT) ------ EXISTING SWALE ALL DISTANCES AND BEARINGS SHOWN HEREON ARE NOT GRID VALUES BUT PROJECTED FOR THE PRECEDING COORDINATE SYSTEM DEFINITION. THIS ->--> PROPOSED SWALE DEFINITION IS SUCH THAT GRID DISTANCES ARE NOT EQUIVALENT TO "GROUND" DISTANCES IN THE PROJECT AREA. ORTOMETRIC HEIGHTS (ELEVATIONS) WERE TRANSFERRED TO THE SITE FROM POINT "VORTEX" (NGS PID AJ5637) USING GPS WITH NGS GEOID MODEL ----- OHE ----- OVERHEAD UTILITY LINE "GEOID 12A". ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE TV CABLE BLUESTAKE PUBLISHED ELEVATION OF THIS STATION. ---- g ---- g --- G -- GAS LINE BLUESTAKE POINT# 28 "VORTEX" (AJ5637) (OFF-SITE) ------ UGE ----- ELECTRIC BLUESTAKE 34°50'46.53562"N NORTHING: 1399355.980 LATITUDE: 111°49'41.94433"W EASTING: 726507.399 LONGITUDE: ELLIPSOID HEIGHT: 4384.052 FT ELEVATION: 4464.942 FT SEWER MANHOLE (S)SIGN POINT #2003 FOUND REBAR AND CAP - ILLEGIBLE (ON-SITE) CLEAN OUT FIRE HYDRANT LATITUDE: 34°51'33.85622"N NORTHING: 1404142.610 PULL BOX IRRIGATION VALVE LONGITUDE: 111°49'04.17684"W EASTING: 729650.279 JUNCTION BOX CATCH BASIN ELLIPSOID HEIGHT: 4308.988 FT ELEVATION: 4389.518 FT WATER METER TRANSFORMER POINT# 2004 FOUND REBAR AND CAP STAMPED "RLS 14184" (ON-SITE) WATER RISER Gм GAS METER LATITUDE: 34°51'33.87470"N NORTHING: 1404144.578 WATER VALVE \bowtie GR LONGITUDE: 111°49'02.95930"W EASTING: 729751.734 GAS RISER CMP ELEVATION: 4387.058 FT FLOW LINE ELLIPSOID HEIGHT: 4306.531 FT FL

UTILITY COORDINATION BLOCK

□ ARIZONA PUBLIC SERVICE	JONATHAN MEYER	RECEIVED:
□ ARIZONA WATER COMPANY	GLORIA SESMAS ENGINEERING DEVELOPMENT COORDINATOR	RECEIVED:
SUDDEN LINK	SANFORD YAZZIE CONSTRUCTION SUPERVISOR	RECEIVED:
	IRENE FREEMAN COMPANY REPRESENTATIVE CONTACTED	RECEIVED:
CENTURY LINK	ARMEN MCNERLIN Engineer 11	RECEIVED:

NOTICE OF EXTENDED PAYMENT PROVISION

(PER ARS 32-1129.01) THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR PROGRESS PAYMENTS, WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR RELEASE OF RETENTION AND WITHIN 15 DAYS AFTER CERTIFICATION AND APPROVAL OF BILLINGS AND ESTIMATES FOR FINAL PAYMENT.

	CONCRETE	-
OPINION OF E	ARTHWORK Q	U
DESCRIPTION	QUANTITY	
CUT	23	
FILL	232	
NET	209	

HDPE

ME

PC

PCC

ΡT

TC

UTILITY POLE

DOWN GUY

LIGHT POLE

ELECTRIC METER

TELEPHONE RISER

-0-

* THE ENGINEER HAS USED HIS BEST JUDGMENT IN THE ESTIMATION OF THE EARTHWORK FOR THIS PROJECT. THE ENGINEER HAS NO CONTROL OVER VARYING FIELD CONDITIONS AND CONSTRUCTION METHODS INVOLVED IN THE SITE GRADING. CONSEQUENTLY, ACTUAL QUANTITIES, COST AND TIME REQUIRED FOR THIS PROJECT MAY BE AFFECTED BY MANY FACTORS BEYOND THE ENGINEER'S CONTROL, AND ENGINEER SHALL NOT BE HELD LIABLE FOR ANY DEVIATION FROM ITS ESTIMATED QUANTITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EARTHWORK QUANTITIES. THE FOLLOWING IS THE ENGINEER'S ESTIMATE OF RAW EARTHWORK QUANTITIES FOR THIS PROJECT. (NO SHRINKAGE VALUES ARE TAKEN INTO CONSIDERATION IN THESE QUANTITIES).



CONTACT INFORMATION

OWNER

MAYOR VICE MAYOR CITY COUNCIL

CITY MANAGER

ENGINEER

SANDY MORIARTY SCOTT JABLOW

CITY OF SEDONA

(928) 204–7111 J. ANDY DICKEY, P.E.

DIRECTOR OF PUBLIC

WORKS/CITY ENGINEER

102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336

KATHY KINSELLA TOM LAMKIN HOLLI PLOOG JON THOMPSON JESSICA WILLIAMSON

KAREN OSBURN

SHEPHARD-WESNITZER, INC. 75 KALLOF PLACE SEDONA, AZ 86336 (928) 282-1061 ART BECKWITH, P.E.

		SHEET INDEX
SHT NO.	DWG NO.	TITLE
1	C1	COVER SHEET
2	C2	NOTES & DETAILS
3	C3	RETAINING WALL DETAILS
4	C4	SUP IMPROVEMENT PLAN
5	C5	ARIZONA WATER CO NOTES

CORRUGATED METAL PIPE

HIGH-DENSITY POLYETHYLENE

MATCH EXISTING POINT OF CURVATURE

POINT OF COMPOUND CURVATURE

POINT OF TANGENCY

TOP OF CURB ASPHALT PAVING

JANTITIES*

UN	IT
C`	ſ
C`	ſ
C١	ſ

APPROVALS

J. ANDY DICKEY, P.E. DIRECTOR OF PUBLIC WORKS/CITY ENGINEER

APPROVED:

DATE

RECORD DRAWING STATEMENT

HEREBY STATE, BASED ON MY FIELD OBSERVATION AND INFORMATION PROVIDED BY THE GENERAL CONTRACTOR AND OTHERS, THAT THE WORK ON SHEETS 1 THROUGH 5, MARKED AS "RECORD DRAWING" HAS BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THESE CONSTRUCTION PLANS, SPECIFICATIONS, INCLUDING CHANGES AND REVISIONS.

REGISTERED LAND SURVEYOR/ENGINEER

DATE

REGISTRATION NUMBER

EXPIRATION DATE

of of the second	Symbol	Revisions	Date	Appr.
BECKWITH CONTRACTOR				
AR TONDUST				
Cull Think				

CENERAL NOTES

ICE C OWN ER CI INGS MENT APP RELI S AF INGS bol	OF EXTENDED PAYMENT PROVISION S 32–1129.01) THIS CONTRACT ALLOWS ER TO MAKE PAYMENT WITHIN 15 DAYS ERTIFICATION AND APPROVALS OF AND ESTIMATES FOR PROGRESS S,WITHIN 15 DAYS AFTER CERTIFICATION ROVALS OF BILLINGS AND ESTIMATES EASE OF RETENTION AND WITHIN 15 TER CERTIFICATION AND APPROVAL OF AND ESTIMATES FOR FINAL PAYMENT.	Contact Arizona 811 orking days before yo Call 811 or click A Date	at least two full bu begin excavation NA811 Arizona811.com	Designed by: AHB/MWJ Drawn by: MWJ/EGM	Date: Scale:	3/1/2022 AS SHOWN
ICE C OWN ER CI INGS MENT APP S AF INGS bol	OF EXTENDED PAYMENT PROVISION 5 32–1129.01) THIS CONTRACT ALLOWS ER TO MAKE PAYMENT WITHIN 15 DAYS ERTIFICATION AND APPROVALS OF AND ESTIMATES FOR PROGRESS S, WITHIN 15 DAYS AFTER CERTIFICATION ROVALS OF BILLINGS AND ESTIMATES EASE OF RETENTION AND WITHIN 15 TER CERTIFICATION AND APPROVAL OF AND ESTIMATES FOR FINAL PAYMENT. Revisions	Contact Arizona 811 orking days before yo ARIZO Call 811 or click A Date	at least two full bu begin excavation NA811. Arizona811.com	Designed by: AHB/MWJ	Date:	3/1/2022
ICE C OWN ER CI INGS MENT APP RELI S AF INGS	OF EXTENDED PAYMENT PROVISION 5 32–1129.01) THIS CONTRACT ALLOWS ER TO MAKE PAYMENT WITHIN 15 DAYS ERTIFICATION AND APPROVALS OF AND ESTIMATES FOR PROGRESS S,WITHIN 15 DAYS AFTER CERTIFICATION ROVALS OF BILLINGS AND ESTIMATES EASE OF RETENTION AND WITHIN 15 TER CERTIFICATION AND APPROVAL OF AND ESTIMATES FOR FINAL PAYMENT.	Contact Arizona 811 orking days before yo ARZO Call 811 or click A	at least two full bu begin excavation NA811 Arizona811.com	Designed by:	Date:	
14.	 NATURAL VEGETATION SHALL BE PRESERVED SHALL NOT BE DAMAGED. THE CONSTRUCTION SITE INCLUDING YARD A MATERIALS, CONSTRUCTION WASTE, GARBAGE PREVENT CONTAMINATION OF STORMWATER F CLEANED UP. JOINTS BETWEEN DISSIMILAR MATERIALS REQUIF 	REAS SHALL BE E, SANITARY WA RUNOFF. ACCID	AR, THE VEGETA E KEPT IN GOOD ASTES SHALL BE DENTAL SPILLS SI	ORDER. CONSTRUCTION PROPERLY CONTAINED TO HALL BE PROMPTLY)	
	POLLUTION PREVENTION PLAN (SWPPP) HAS NO HOWEVER, THE CONTRACTOR SHALL MINIMIZED FOLLOWING EROSION AND SEDIMENT CONTROLS: – THE DISTURBED AREA SHALL BE MINIMIZED. TEMPORARY ACCESS, MATERIAL STORAGE AF DESIGNATED AREA ON THE PLANS. – THE UNCOVERED DISTURBED AREA SHALL BE – NATURAL VEGETATION SHALL BE PRESERVED	OT BEEN PREPA POLLUTANTS IN IN PARTICULA REA, AND CONS E SEEDED.	RED. STORM WATER R, CONSTRUCTION TRUCTION YARD(DISCHARGES WITH THE N ACTIVITIES INCLUDING S) SHALL BE WITHIN THE TION IN PROTECTED AREA	S	
12.	COMPANIES. THE DISTURBANCE FOR THIS PROJECT SITE IS PROVISIONS OF AZPDES STORMWATER PERMIT	LESS THAN OR THEREFORE AN	EQUAL TO 1 AC AZPDES IS NOT	RE COMPLIANCE WITH REQUIRED. A STORMWATE	ER	
10. 11.	ALL EXPOSED CONCRETE SHALL BE SEDONA RE	ED, UNLESS OTH Contractor to	HERWISE DESIGNA D COORDINATE W	ATED. ORK WITH ALL UTILITY		
9.	THE CONTRACTOR SHALL PROVIDE AND MAINTA	AIN ACCESS AT	ALL TIMES TO A	DJACENT PROPERTY.		
8.	THE GENERAL PUBLIC TO THE SATISFACTION OF	F THE PUBLIC	CONTRACTOR	NLESS OTHERWISE NOTED		
6. 7.	ELEVATIONS SHOWN ON PLAN ARE TO FINISHEE CONTRACTOR SHALL PROVIDE AND MAINTAIN SU	D GRADE, UNLES	SS OTHERWISE N	OTED OR SPECIFIED.		
5.	EXACT POINT OF MATCHING & TERMINATION OF ENGINEER IF NECESSARY.	F IMPROVEMENT	S MAY BE ADJUS	STED IN THE FIELD BY THI	E	
4.	ALL WORK SHALL CONFORM TO MAG STANDARE CURRENT REVISIONS THERETO AS MODIFIED BY	D SPECIFICATION THE CITY OF S	NS FOR PUBLIC N SEDONA CITY COI	WORKS CONSTRUCTION AND DE SECTION 7.	D	
3.	ADEQUATE DRAINAGE OF THE CONSTRUCTION A DRAINS SHALL BE PROVIDED AS NEEDED TO EN RAPIDLY AND WITHOUT DAMAGING THE WORK IN THE SITE, DRAINAGE CHANNELS, CULVERTS, AN DOWNSTREAM TO UPSTREAM IN SUCH A WAY T FLOW OF WATER FROM THE CONSTRUCTION ARI DAMAGE TO ADJACENT PROPERTIES OR TO AN FAILURE TO PROVIDE ADEQUATE DRAINAGE OF TO MINIMIZE THE POSSIBLE EXTENT OF SUCH D EXPENSE	AREA SHALL BE NABLE WATER 1 N PROGRESS. T ID STRUCTURES THAT, DURING C EA. Y PORTION OF THE CONSTRUC DAMAGE SHALL	PROVIDED AT A TO DRAIN FROM O FURTHER PROM SHALL BE CON CONSTRUCTION, T THE WORK CAUS THE WORK CAUS THON SITE OR TO BE REPAIRED AT	LL TIMES. CONSTRUCTION THE CONSTRUCTION AREA MOTE GOOD DRAINAGE OF STRUCTED FROM HEY DO NOT IMPEDE THE ED BY THE CONTRACTOR'S O ORDER THE WORK SO A THE CONTRACTOR'S	S S	
۷.	REGARDING THESE PLANS SHALL BE DIRECTED BY ANYONE OTHER THAN THE ENGINEER SHALL	TO THE ENGINE L BE RESPONSIE	ER. ANY INTERP BLE FOR ANY CC	RETATION OF THE PLANS		
2	CONTRACTOR SHALL NOT BE RELIEVED OF RES ON-SITE DETERMINATIONS OF THE LOCATIONS WHICH MAY AFFECT THE PROGRESS OF THE WO	ED ON THE PLA PONSIBILITY FOI OF ALL UTILITIE ORK. TATION OF INTE	N BY THE ENGL	NEER ALL OUESTIONS		
	OF WORK REQUIRED AND BASE HIS BID ON HIS QUANTITIES OF MATERIALS REQUIRED. THEY DO PAYMENT WILL BE BASED ON BID SCHEDULE IT RESPONSIBILITY FOR INDEPENDENTLY ESTIMATIN REPRESENTS THAT THE TOTAL CONTRACT SUM ENTIRE PROJECT AS SHOWN ON THE PLANS.	S OWN INDEPEN NOT NECESSA EMS. THE CONT IG QUANTITIES I IS ADEQUATE	DENT ESTIMATE (RILY CORRESPON TRACTOR SHALL PRIOR TO BIDDIN COMPENSATION F	THE WORK SCOPE AND D TO BID SCHEDULE ITEM NOT BE RELIEVED OF G. THE CONTRACTOR OR COMPLETING THE) S.	

oð





CIVIL

AHB



75 Kallof Place Sedona, AZ 86336 928.282.1061 928.282.2058 fax www.swiaz.com



CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336

MATCH EXISTING GRADE -- MATCH EXISTING GRADE D50=6" RIPRAP, **RIPRAP SWALE** В NO SCALE VERTICAL TO ROLLED 4" ROLLED CURB M.A.G. DTL 221. M.A.G. DTL 221. DTL 221. VARIES 6" VERTICAL CURB _ M.A.G. DTL 220. __ 6" VERTICAL CURB M.A.G. DTL 220. **- | -** 5.00' (SEE PLANS) 4" SEDONA RED CLASS 'B' CONCRETE PER M.A.G. SPECIFICATIONS SLOPE DOWN 2" TO MATCH TOP OF CURB 4 TRANSITION STAMPED SEDONA RED — CONCRETE PER M.A.G. SLOPE DOWN 2" TO MATCH TOP OF CURB ----SPECIFICATIONS TRANSITION STAMPED DRIVEWAY D

NO SCALE

_

QUANTITIES				
DEMO	LITION			
1	Clear and grub	1	LS	
2	Sawcut exist concrete pavement	6	LF	
3	Sawcut exist ac pavement	450	LF	
4	Remove and dispose concrete pavement	16	SY	
5	Remove and dispose exist ac pavement	181	SY	
6	Remove and dispose exist curb & gutter	115	LF	
7	Remove and dispose exist tree	6	EA	
8	Remove and dispose exist CMP	1	EA	
9	Remove exist headwall	1	EA	
10	Remove & relocate exist irrigation valve & box	2	EA	
11	Remove & relocate existing sign	1	EA	
12	Remove & salvage existing fire hydrant	1	EA	
CONS	TRUCTION			
13	Earthwork excavation	23	CY	
13	Earthwork embankment	232	CY	
14	Subgrade preparation	1	LS	
15	Asphalt patch (MAG 200)	94	SY	
16	Vertical curb & gutter (MAG 220 Type A)	305	LF	
17	Rolled curb & gutter (MAG 220 Type C)	28	LF	
18	Vertical curb & gutter (ADOT Type D)	49	LF	
19	Curb transition (MAG 221)	2	EA	
20	Curb transition (MAG to ADOT)	1	EA	
21	10' Shared Use Path (4" thick class 'B')	353	SY	
22	10' Shared Use Path (9" thick class 'A')	33	SY	
23	Sidewalk ramp	1	EA	
24	Sidewalk extension	15	SY	
25	Retaining wall (Cut)(Quantity is vertical face)	329	SF	
26	Safety rail (MAG 145)	142	LF	
27	Riprap Swale	89	SY	
28	Catch Basin (MAG 530)	2	EA	
29	Concrete headwall (MAG 501 'U' Type)	1	EA	
30	24" CMP Storm drain pipe	24	LF	
31	18" CMP Storm drain pipe	20	LF	
32	D50=6 (12" thick) Riprap	23	SY	
33	End of path hazard markers (MAG 141 Type 2)	2	EA	
34	Relocate existing fire hydrant	1	EA	
35	2" thick layer of crushed red rock	23	SY	
36	Vertical curb (MAG 220 Type B)	10	LF	
		I I		

928-204-7111

NOTES & DETAILS

PINON DRIVE

SHARED USE PATH SIM-11J

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY SHEET ID C2 SHEET NO. 2 OF 5

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

0

(PER AI THE OW AFTER BILLINGS PAYMEN AND AF FOR RE DAYS A BILLINGS	RS 32-1129.01) THIS CONTRACT ALLOWS WER TO MAKE PAYMENT WITHIN 15 DAYS CERTIFICATION AND APPROVALS OF S AND ESTIMATES FOR PROGRESS NTS,WITHIN 15 DAYS AFTER CERTIFICATION PROVALS OF BILLINGS AND ESTIMATES LEASE OF RETENTION AND WITHIN 15 FTER CERTIFICATION AND APPROVAL OF S AND ESTIMATES FOR FINAL PAYMENT.	Contact Arizona 81 working days before yes ARZO Call 811 or click	at least two full bu begin excavation NA811 Arizona811.com		
Symbol	Revisions	Date	Appr.	Designed by:	Date:
				AHB/MWJ	3/1/2022
				— Drawn by:	Scale:
				MWJ/EGM	AS SHOWN
				Checked by:	Project Code:
				AHB	CIVIL

D Ш <u>જ</u> S

NOTICE OF EXTENDED PAYMENT PROVISION

4400	
4395	
4390	
4385	INSTALL REFLECTIVE SAFETY TAPE TO END OF RAILING
4380	
4375	
4370	







- 1. MAX CONTROL JOINT SPACING = 24'
- 2. MAX EXPANSION JOINT SPACING = 96' 3. FILL ALL CELLS WITH GROUT. PLACE 1 CUBIC FOOT OF LEACH ROCK WRAPED IN
- FILTER FABRIC PER LINEAL FOOT OF WALL WITH 3" SCH 40 PVC WEEP PIPE @ 6' O.C. FOR DRAINAGE.
- 4. PLACE VERTICAL STEEL ON EACH SIDE OF CONTROL JOINTS AND EXPANSION JOINTS. 5. CONCRETE FOR ALL RETAINING WALLS
- SHALL BE CLASS "A" COMPRESSIVE STRENGTH F'c = 3000 PSI AT 28 DAYS.
- 6. ALL REINFORCING IN WALLS AND FOOTINGS SHALL BE GRADE 60.
- 7. WALL FOOTINGS SHALL HAVE AT LEAST 6" OF COVER ABOVE THE BOTTOM OF FOOTING.
- 8. GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF
- 2000 PSI. 9. FILL BEHIND WALLS TO CONFORM TO M.A.G.
- SPECIFICATION SECTION 206 "STRUCTURE EXCAVATION & BACKFILL".







75 Kallof Place Sedona, AZ 86336 928.282.1061 928.282.2058 fax



CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336

www.swiaz.com

928-204-7111

PINON DRIVE SHARED USE PATH SIM-11J

RETAINING WALL DETAILS

0 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY SHEET ID C3 SHEET NO. 3 OF 5

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

4400 4395 INSTALL REFLECTIVE - SAFETY TAPE TO 4390 END OF RAILING 4385 4380 4375 4370



CONSTRUCTION SPECIFICATIONS FOR THE INSTALLATION OF WATER DISTRIBUTION SYSTEMS DUCTILE IRON

1. GENERAL

All work is to be completed in a safe, workmanlike manner and in accordance with these Construction Specifications; any deviation therefrom must be approved in writing by the Company

Installations must conform with the requirements of all governmental regulating agencies and the cost of conforming to such regulations must be included in the unit bid prices. Examples of such regulations, without attempting to be inclusive, are:

- a. Special compaction and paving for street crossing. b. Shoring when required because of the trench depth. c. Closing a trench in those areas where no open trench is allowed
- overnight d. Barricading and traffic control as required.

2. LOCATION MARKING

Alignment stakes as required in the opinion of the Company shall be furnished by the Company to the Contractor and shall be set by the Company at agreed upon intervals and offsets. Under normal circumstances these will reference the pipeline location five feet (5') into the right-of-way measured from property pins. Grade stakes will be provided only when the Construction Drawings show a pipeline depth other than covered in these Specifications. It is the responsibility of the Contractor to preserve all survey work.

- 3. TRENCH EXCAVATION
- The trench location is to be determined by the Construction Drawings.

FOR 8-INCH OR SMALLER PIPE: The depth of the trench prior to pipe laying shall be such that the finished pipeline shall have between thirty-six inches (36") and forty-two inches (42") of cover unless otherwise specified on the Construction Drawings.

FOR 12-INCH AND LARGER PIPE: The depth of the trench prior to pipe laying shall be such that the finished pipeline shall have between forty-eight inches (48") and sixty inches (60") of cover unless otherwise specified on the Construction Drawings.

The width of the trench at and below the level at the top of the pipe shall be a minimum of twelve inches (12") plus the outside diameter of the pipe barrel and a maximum of twenty-four inches (24") plus the outside diameter of the pipe barrel.

The bottom of the trench shall be accurately graded to provide a uniform bearing for each length of pipe for the full length of the pipe. If the native material on the trench bottom can be reasonably dug by hand, bell holes shall be dug for the joints so that the joints in no way support the pipe. When native materials such as rock are encountered during trenching that will not provide a uniform support for the pipe, the trench will be overexcavated an additional six inches (6") and suitable bedding material will be placed in the trench.

Bedding material will be placed by hand in four-inch (4") lifts and compacted to ensure uniform compaction and to eliminate any voids under the pipe. When the space between the pipe and trench bottom varies, this must be backfilled and compacted in four-inch (4") lifts to the mid-section of the pipe.

Whenever the trench is over-excavated for whatever reason, the trench bottom will be brought up to the correct depth at the Contractor's expense using either method (a) or (b) as follows:

- a. A.B.C. material shall be used and compacted to a uniform density of not less than 80% of the maximum density as determined by AASHTO T-99 method A and T-191.
- b. Native material 100% of which will pass through a one and one-half inch (1¹/₂") screen and at least 20% of which will pass through a number-8 screen shall be used and compacted to a uniform density of not less than 85% of the maximum density as determined by AASHTO T-99 method A and T-191
- 4. MATERIALS TO BE PROVIDED BY CONTRACTOR

Unless otherwise specified on the Construction Drawings or in the Contract, the Contractor will supply all of the necessary materials which will become a permanent and integral part of the water distribution system, including concrete blocking, anchors, backfill material, paving material and supplies used during the prosecution of the work. All materials provided by the Contractor to construct the water distribution system must be NSF Standard 61 approved. All potable water pipes and fittings shall have NSF-PW seal. Construction materials used in the water system shall be lead free as defined at AAC R18-5-504 and R18-1-101. The Contractor will provide the following materials:

a. FIRE HYDRANTS: Mueller Super Centurion 250 Fire Hydrant, meets ANSI/AWWA C502 Standard, Model No. A-423, 51/4" main valve opening, three way, 6" Mechanical Joint Shoe, 11/2" pentagon operating nut, color yellow, drain open, open direction - left, 4' or 4'6" bury depending on application. For pumper and hose nozzle information see below.

- (1) 1 4" Pumper Nozzle, NST and $2 2\frac{1}{2}$ " Hose Nozzles, NST. (These locations only: Ajo, Casa Grande, Coolidge and San Manuel.)
- (2) $1 4\frac{1}{2}$ " Pumper Nozzle, NST and $2 2\frac{1}{2}$ " Hose Nozzles, NST. (These locations only: Apache Junction, Arizona City, Lakeside, Oracle, Overgaard, Pinewood, Rimrock, Sedona, Sierra Vista, White Tank and Winkelman.)
- (3) $1 4\frac{1}{2}$ " Pumper Nozzle, NST and $2 2\frac{1}{2}$ " Hose Nozzles, NPT (Bisbee only.)
- (4) 1 3" Pumper Nozzle GA 6-350 (6 threads per inch, 3.50 pitch diameter) and $2 - 2\frac{1}{2}$ " Hose Nozzles, NPT (Miami only.)
- (5) $1 3\frac{1}{2}$ " Pumper Nozzle GA 6-411 (6 threads per inch, 4.11 pitch diameter) and $2 - 2\frac{1}{2}$ " Hose Nozzle, NST (Superior only.)
- b. FITTINGS: Manufactured by Tyler or Union. Crosses, Elbows, Tees, Cap, Reducer, Adapter, Plug, Blind Flange and Tapped Flange; Ductile Iron, Class 350, SSB, Cast Iron Cement Lined.
 - (1) Foster Adaptors for MJ, made by Infact Corporation: Available in size 4" to 16". Part No. 4" = 4FA-BC, 6" = 6FA-BC, 8" = 8FA-BC, 10" = 10FA-BC, 12" = 12FA-BC, 16" = 16FA-BC.

c. DETECTOR CHECK VALVE: Mueller/ Hersey EDC III, iron body, including 5/8" x ³/₄" Trim Kit. Trim Kit Part No.: 4" = 282080, 6" = 282082, 8" = 282085, 10" = 282496.

(PER ARS 32-1129.01) THIS CONTRACT ALLOWS	
THE OWNER TO MAKE PAYMENT WITHIN 15 DAYS	5
AFTER CERTIFICATION AND APPROVALS OF	
BILLINGS AND ESTIMATES FOR PROGRESS	
PAYMENTS,WITHIN 15 DAYS AFTER CERTIFICATION	1
AND APPROVALS OF BILLINGS AND ESTIMATES	
FOR RELEASE OF RETENTION AND WITHIN 15	
DAYS AFTER CERTIFICATION AND APPROVAL OF	
BILLINGS AND ESTIMATES FOR FINAL PAYMENT.	



Designed by: Date: Symbol Appr. Revisions Date AHB/MWJ 3/1/2022 Scale: Drawn by: MWJ/EGM AS SHOWN Checked by: Project Code: AHB CIVIL

d. GATE VALVES: Mueller Resilient Wedge Gate Valves, meets AWWA C509 specification, 250 psig, Non-rising stem, Part No. A-2360 sizes 4" through 12"; Part No. A-2361 sizes 14" through 36", low zinc stems, epoxy coated inside and outside to meet the NSF 61 rating. The bonnet and stuffing box shall have 304 stainless steel bolts/nuts.

e. TRACER WIRE and WARNING TAPE:

1. TRACER WIRE: Shall be direct bury AWG #14 solid copper wire, Color: Blue.

2. WARNING TAPE: Reef Industries, Standard Terra Tape in 3" widths. Color: Blue and imprinted 'Arizona Water Company'.

f. AIR RELEASE VALVE: Crispin Model AR10 with 1" NPT inlet and 1/2" NPT outlet, cast iron body and top flange; with a 5/64" orifice with stainless steel valve sealing faces and BUNA-N rubber.

g. PRESSURE RELIEF VALVE: Watts 174A, Model M, 2" inlet, 2" outlet, Bronze Body, 30lb. to 150lb. pressure range.

h. MEGA LUG: Mechanical Joint restraint made of ductile iron conforming to ASTM 536-80, 250 psi made by EBAA Iron, Inc., series 1100 or equal.

i. METER BOXES:

(1) Concrete Box with a steel regular lid, Number 1: Tucson specification. (2) Concrete Box with a steel regular lid, Number 2, 3, and 4: Phoenix

specification. j. PIPE, COPPER: Type K soft copper in 60 or 100-foot coils, per ASTM B88.

- Pressure Class 200 for 24" through 36" pipe. Vendors: (1) Pacific States Cast Iron Pipe Company (2) Griffin Pipe
- (3) United States Pipe and Foundry Company (4) American Ductile Iron Pipe
- (5) Clow Pipe (McWane, Inc.)

I. PIPE, PLASTIC: Plastic pipe, C-900 PVC per ANSI/AWWA C900, Class 150, sizes 6" through 12". NSF61 approved. Furnished in laying lengths of 20'. The barrel shall conform to the outside dimensions of steel pipe (IPS) or cast iron (CI) pipe equivalent and the wall thickness of dimension-ratio (DR) 18.

m. POLYETHYLENE ENCASEMENT (Polywrap): For all pipeline and related fittings installed, EXCEPT for the Coolidge Division. Minimum 8 Mil. and installed per AWWA C105/A21.5-93 and ASTM A-674-89. Manufactured by the Pacific States Cast Iron Pipe Company. The wrapping tape shall be minimum 10 mil. vinyl tape. No duct tape shall be used.

n. COUPLING: Mueller, straight three part union, tested to meet ANSI/AWWA C800, H15403, conductive compression.

Mueller, H15428, straight coupling, conductive compression by male iron pipe, tested to meet ANSI/AWWA C800 specification. Size: 2".

Mueller, H15451, straight coupling, conductive compression by female iron pipe, tested to meet ANSI/AWWA C800 specification. Size: 2".

Viking Johnson brand, sold by Mueller: MaxiFit Straight (2"-24"), MaxiFitXtra Straight (4"-8") or MaxiStep Transition, tested to meet AWWA/ANSI C.219-91 specifications – certified to ISO 9001:1994 / Smith – Blair Quantum.

o. STOP, ANGLE METER, BALL: Mueller, valve, B24258, conductive compression by meter swivel nut, tested to meet ANSI/AWWA C800, size 5/8 " x $\frac{3}{4}$ " x $\frac{3}{4}$ " for a $\frac{3}{4}$ " service or size 1" for a 1" service.

Mueller, valve, B24265, female pipe thread by meter swivel nut, tested to meet ANSI/AWWA C800, size $5/8" \times 3/4" \times 3/4"$ for a 3/4" service or size 1" for a

p. STOP, CORP: Mueller, ball valve, B25008, taper thread by conductive compression, tested to meet ANSI/AWWA C800 specification, sizes: 3/4", 1" and 2".

Mueller, ball valve, B25028, iron pipe thread by conductive compression. tested to meet ANSI/AWWA C800 specification. Sizes ³/₄", 1", and 2". Mueller, 300 Ball Curb Valve, B-25122, taper thread by conductive compression, tested to meet ANSI/AWWA C800 specifications, size: 2". (2" service)

q. STOP, CURB: Oriseal valve, H10291, iron pipe thread by iron pipe thread, quarter turn check, brass, tested to 300 psi working pressure, tested to meet ANSI/AWWA C800 specification, size: 2".

Mueller, B20283, Mueller 300 ball curb valve, female iron pipe by female iron pipe, guarter turn check, tested to meet ANSI/AWWA C800 specification. Size: 2". (Blow-off E-9-8-1).

r. TAPPING SADDLE: Smith Blair, Cast Bronze ASTM-B584 85-5-5-5. double strap, iron pipe threads, Models 321 and 323. Washers are silicon bronze, ASTM-B36. Gaskets are grade 60 Buna N, or Mueller bronze double strap service saddle, BR 2 B series, cast bronze, ASTM-B585, 85-5-5-5, or H16084, 200 psig, meets ANSI/AWWA C800.

s. TAPPING SLEEVE: Mueller H304 Stainless Steel Tapping Sleeve, JCM 432 18-8 Type 304 Stainless Steel Tapping Sleeve, Romac "SST" Type 304 Stainless Steel Tapping Sleeve or CASCADE-style CST-EX stainless steel pressure-rated tapping sleeve.

TAPPING VALVE: Mueller Resilient Wedge tapping valve, Catalog Number T-2360-16, Class 125, sizes 4" through 12"; T-2361-16, Class 125, sizes 14" to 36" all with Type 304 stainless steel fasteners; bypass valves are required 6. BACKFILL OF WATER MAIN TRENCHES on 18" – 36" valves flange by mechanical joint per ANSI/AWWA C111, iron wedge, non-rising stem. Epoxy coated interior/exterior per ANSI/AWWA C550 for NSF 61 compliance. 250 PSI range for valves 4" to 12". 150 PSI range for valves 14" to 36".

u. U-BRANCH: Mueller, H15364, 1" male iron pipe by ³/₄" male iron pipe, tested to meet ANSI/AWWA C800 specification. Size: 1" x 3/4" x 131/2", straight line.

v. VALVE BOXES: Valve Box with Cover, adjustable, Tyler 562-A or equal, made of cast iron

k. PIPE, DUCTILE IRON: Ductile Iron Pipe, Cement Lined, Push-on, conform to current ANSI/AWWA Specification A21.51/C151, Pressure Class 350 (sizes 4" through 12"), Pressure Class 250 (sizes 14" through 20"), or

w. VAULTS: Utility Vault Company, Chandler, AZ.

- (1) 4484-WA concrete vault with a 3660 aluminum double torsion door with a recessed padlock hasp, two - 18" x 24" center knockouts.
- (2) 575-WA concrete vault with a 4874 aluminum double torsion door with a recessed padlock hasp, two - 18" x 24" center knock outs and adjustable frame.
- (3) 612-5X-WA concrete vault with a 4874 aluminum double torsion door with a recessed padlock hasp, two - 18" x 24" center knockouts.
- x. VALVE, METER: Mueller, B24265-1, Mueller 300 ball angle meter valve, female iron pipe by meter nut, guarter turn check, lock wing, tested to meet ANSI/AWWA C800 specification. Size: 1".
- Mueller, B25170, Mueller 300 ball straight valve, conductive compression by female iron pipe, quarter turn check, lock wing, tested to meet ANSI/AWWA C800 specification. Size: 1".
- y. YOKES, METER: Relocator type copper meter yoke with horizontal inlet and outlet and meter thread ends, B24118, with lock wing Mueller 300 angle ball valve, full port, sizes: 1" x 12", 5/8" x ³/₄" x 7", 5/8 x ³/₄" x 9".
- Mueller, 2" copper meter voke with horizontal inlet and outlet and female iron pipe threads, B2423-99000, with lock wing Mueller 300 ball angle meter valves on inlet and outlet risers. Raised 1" by-pass with lock wing Mueller 300 ball valve.
- The Contractor also will be required to provide the following materials, the cost of which will be included in its unit bid price
 - All material and concrete for thrust blocks, other anchors, reinforcing steel; all gravel, crushed stone, A.B.C., earth, sand, or screened material which may be required; all material for bracing and shoring trenches and for construction of forms; all barricades and traffic control equipment; all material for paving replacement and any water used for compaction of backfill.
- **5. INSTALLATION OF MATERIALS**
- All materials are to be installed in accordance with manufacturers recommendations unless otherwise directed by these Specifications.
- All pipe, fittings and valves shall be laid true to the lines, grades and locations established by the Specifications and the Construction Drawings.

The ends and inside of the pipe shall be thoroughly cleaned and inspected for damage. No damaged materials shall be installed in the water distribution system.

Whenever the work ceases for any reason, all open pipeline ends shall be tightly plugged by the Contractor. Plugs shall be watertight and approved by the company.

Concrete thrust blocks of the sizes required by the plans and specifications are to be provided at all valves, changes in direction or size, or at any other point where an unbalanced thrust due to water pressure would exist. Thrust blocks are to be formed to prevent any concrete from spilling over or into a joint.

Trench curves as shown on the Construction Drawings may be made without fittings when using push on joint pipe up to twelve inches (12") in diameter, if the deflection of

(18') length of pipe. The minimum radius of such curves will be two hundred five feet (205').

Prior to construction, the appropriate agency(ies) will be notified as required by the permit(s).

It shall be the Contractor's responsibility to uncover all existing water lines being connected to, and to verify the location, depth and size of pipe before any construction begins.

Any construction performed without the knowledge of the duly authorized representative is liable for removal and replacement at the Contractor's expense.

All fire hydrants, frames, covers and valve boxes, etc. shall be adjusted to finished grade prior to the placing of the asphalt concrete surface course by the Contractor (where applicable).

Air release valves shall be installed at water system high points per Standard Detail E-9-8-2

All water services shall be set a minimum of two feet (2') on the customer's property, preferably within the P.U.E. and not within right-of-way.

Unless otherwise specified on the construction drawings, all water mains shall be installed five feet (5') from the property line inside the right-of-way or easement.

Water valves shall be spaced not more than five hundred feet (500') in commercial districts and not more than eight hundred feet (800') in other districts. Variations may be required for transmission mains or special applications.

Installation of water line casing shall be per Standard Specification E-9-24-1.

Tracer Wire and Warning Tape are to be installed on all mains, tees, crosses, ells and fire hydrant laterals. They will not be installed on service lines. The tracer wire will be installed on the water main 45 degrees from the vertical centerline of the pipe and shall be taped to the fittings directly and on the main every 10 feet using a minimum 10 mil vinyl tape. The tracer wire shall be placed between the valve riser and box with a minimum of 12" of wire inside. The warning tape shall be installed a minimum of two feet below the surface, being measured from final grade, directly over the center of the pipe. Any splices in the tracer wire shall be joined using waterproof connectors. Any splices in the warning tape shall be joined using minimum 10 mil vinyl tape. The tracer wire shall be tested for continuity after backfill and compaction, but before paving. Any detected damages to the wire shall be repaired before paving will be allowed.

Backfill of any excavation shall conform to the requirements of any of the governmental agencies having jurisdiction over the location. If no governmental agency having such jurisdiction specifies backfill or compaction requirements, and no special requirements are shown on the Construction Drawings, the procedure set forth in this section will apply for water line trenches.

The bedding material above the pipe and backfill material shall be compacted to a minimum of 70% compaction within a utility easement and 80% compaction within a right-of-way as determined by AASHTO T-99 method A and T-191. If water settling is used for compaction, it is the responsibility of the Contractor to prevent the pipe from floating.

The bedding material shall be either native material, 100% of which will pass through a one and one-half inch $(1\frac{1}{2})$ screen and at least 20% of which will pass through a number-8 screen, or imported material which conforms to M.A.G. specifications for A.B.C. or type-B select materials. Bedding material shall be used below and around the pipe and a minimum of twelve inches (12") above the pipe. Shade and bedding material to be mechanically compacted prior to remainder of trench back-fill.

The remainder of the trench shall be backfilled with native or imported material which shall be of sound earthen material free from broken concrete, wood, broken pavement, or other unsuitable substances. Except as otherwise specified, backfill may be material containing no pieces larger than six inches (6") in greatest dimension.

Where settlement occurs, additional backfill material shall be placed and compacted and the trench shall be brought to final grade.

7. HYDROSTATIC TESTING OF COMPLETED PIPELINES

Hydrostatic testing of water pipelines will be completed before the new system is connected into the existing water system so that all testing can be done against all new materials.

The completed section of water pipeline to be tested shall be slowly filled with water with care being taken to expel all air from the pipe. If necessary, the pipe will be tapped at high points to vent air.

The Contractor shall provide all equipment and labor necessary to accomplish this testing and the price shall be included in the unit prices. The Contractor shall notify the Company in advance of the testing so that the Company can schedule a duly authorized representative to be at the site during testing. The Contractor, at its own expense, shall make any necessary repairs to the system being tested in order to cause the section being tested to meet the test limits set below. The Contractor may request authorization of the Company to connect the new pipelines to the existing system prior to completion of pressure testing when, in the Company's sole opinion and judgment, conditions warrant such connection.

The Contractor shall assume all responsibility to complete pressure testing to Company's specifications after such connection, including, but not limited to, isolation of the new pipelines from the existing system, if necessary.

Connections prior to completion of pressure testing shall not be made unless prior Company authorization has been obtained, and any extra expenses resulting from such connections shall be the sole responsibility of the Contractor.

Leakage tests will be for a period of two hours at 200± 5 psi at the point of lowest elevation; leakage may not exceed 0.1 gallons per hour per one thousand feet (1,000') of pipe per inch of diameter. If dry utilities are not installed, a second pressure test is required.

8. STERILIZATION AND FLUSHING OF COMPLETED WATER PIPELINES

Sterilization and flushing will conform to recommendations of Arizona State Department of Health Services Engineering Bulletin Number 8, latest edition, or any future Arizona Department of Environmental Quality bulletins. Contractor to follow all conditions of any discharge permit.

- 9. NO OTHER UTILITIES ALLOWED IN OR NEAR WATER PIPELINE TRENCHES
- No other utility installations will be permitted in the water pipeline trench or within five feet (5') of the Company's water pipeline when running parallel to the water pipelines.

10. PROTECTION OF WATER MAINS NEAR SEWERS

In order to protect water mains from contamination by sewers, the installation of the water mains must conform to the following requirements:

a. Horizontal - When water lines and sewers are laid parallel with each other, the horizontal distance between them shall not be less than six feet (6'). Each line shall be laid on undisturbed or bedded material in a separate trench. Where conditions prevent the minimum horizontal separation set forth above, extra protection will be required. Extra protection shall consist of constructing the sewer main with mechanical joint ductile iron pipe or with slip-joint ductile iron pipe if joint restraint is provided, or encasing both the water main and sewer main in concrete. See Detail E-9-30-1 and E-9-30-2.

The Construction Drawings shall indicate the installation requirements. The drawings showing these exceptions shall have been approved by the appropriate state and/or county health department. Refer to the diagram below for clarification.



Under no circumstances will the horizontal separation between sewer mains and water mains be less than two feet (2'). All distances are to be measured from the outside of the sewer main to the outside of the water main.

b. Vertical - When a water main is parallel with or crosses a sewer main within two feet (2') above the sewer or greater than two feet (2') below the sewer, extra protection will be required. Extra protection shall consist of constructing the sewer main with mechanical joint ductile iron pipe or with slip-joint ductile iron pipe if joint restraint is provided, or encasing both the water main and sewer main in concrete. See Detail E-9-30-1 and E-9-30-2.

The Construction Drawings shall indicate the installation requirements. The drawings showing these exceptions shall have been approved by the appropriate state and/or county health department.





75 Kallof Place Sedona. AZ 86336 928.282.1061 928.282.2058 fax



CITY OF SEDONA PUBLIC WORKS DEPARTMENT 102 ROADRUNNER DRIVE SEDONA, ARIZONA 86336

www.swiaz.com

Under no circumstances will the vertical separation of a sewer main installed above a water main be less than two feet (2'). All distances are to be measured from the outside of the sewer main to the outside of the water main. Refer to the diagram above for clarification.

- c. When unusual conditions such as, but not limited to, highway or bridge crossings prevent the water and sewer main separations required from being met, the appropriate state and/or county health department will review and may approve requests for authorization to use alternate construction techniques, materials and joints on a caseby-case basis.
- d. No water pipe shall pass through or come into contact with any part of a sewer manhole. The minimum horizontal separation between water mains and manholes shall be six feet (6'), measured from the center of the manhole
- e. The minimum separation between force mains or pressure sewers and water mains shall be two feet (2') vertically and six feet (6') horizontally under all conditions. Where a sewer force main crosses above, or less than six feet (6') below, a water line, the sewer main shall be encased in at least six inches (6") of concrete for ten feet (10) on either side of the water main. Refer to the diagram below for clarification.



- f. Sewer mains (gravity, pressure, force) shall be kept a minimum of fifty feet (50') from drinking water wells, unless the following conditions are
- 1. Water main pipe, pressure tested in place to 50 psi without excessive leakage, may be used for gravity sewers at distances greater than twenty feet (20') from drinking water wells.
- 2. Water main pipe, pressure tested in place to 150 psi without excessive leakage, may be used for pressure sewers and force mains at distances greater than twenty feet (20') from drinking water wells.
- g. No septic tank/disposal field system shall be constructed within one hundred feet (100') of a drinking water well.
- h. All distances are measured perpendicularly from the outside of the sewer main to the outside of the water main. These separation requirements do not apply to building, plumbing or individual house service connections.
- i. Use Mechanical Joint ductile iron pipe with Megalug thrust restraints a minimum of ten (10') feet on each side of a sewer or storm drain crossing.

11. COMPACTION

When crossing existing water mains a minimum of 95% compaction is required to the bottom of existing mains.

Arizona Water Company requires that no slurry be permitted to contact existing cement/asbestos or ductile iron pipes, unless authorized by the company. Slurry may be poured in the bottom of the sewer trench stopping three inches (3") below the existing water main. The backfill used around the main should be AB in sufficient depth to prevent slurry from contacting existing main.

12. WATER MAIN MATERIAL SPECIFICATIONS

Ductile iron pipe (Push-on type) minimum class 350, cement lined and conform to AWWA C151.

All main line valves shall conform to AWWA C500 with a minimum working pressure of 200 psi.

All cast iron fittings to be cement lined in accordance with AWWA C104 and shall conform to AWWA C110 with a minimum working pressure of 250 psi. Except for the Coolidge System – See Note 4L.

Maximum joint deflection for 6" mechanical joint ductile iron pipe is seven degrees, seven minutes (7°, 7') or twenty-seven inches (27") per eighteen-foot (18') length pipe, for a maximum curve of one hundred forty-five feet (145').

Maximum joint deflection for 8" and 12" mechanical joint ductile iron pipe is five degrees, twenty-one minutes (5° 21') or twenty inches (20") per eighteen-foot (18') length pipe, for a maximum curve of one hundred ninety-five feet (195').

Maximum joint deflection for 6", 8" and 12" push-on joint ductile iron pipe is five degrees (5°) or nineteen inches (19") per eighteen-foot (18') length pipe for a maximum curve of two hundred five feet (205').

> NOTES SHOWN ON THIS SHEET HAVE BEEN PREPARED BY ARIZONA WATER COMPANY AND ARE FOR REFERENCE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE DETAILS ARE THE LATEST EDITION. SWI IS NOT RESPONSIBLE FOR DETAIL ACCURACY.

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING

0				1″
IF	ΝΟΤ	ONE	INCH	ON
TH	IS SI	НЕЕТ,	ADJL	JST
SC	ALES	ACC	ORDIN	GLY

5 OF 5

SHEET ID C5

SHEET NO.

SHARED USE PATH SIM-11J

PINON DRIVE

ARIZONA WATER CO NOTES

928-204-7111