



PUBLIC WATER NOTES:

- 1 CONTRACTOR TO POTHOLE AND VERIFY LOCATION, SIZE AND INVERT OF EXISTING WATER LINE OR STUB PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 2 INSTALL REDUCER AT POINT OF CONNECTION WITH BACKFLOW PREVENTION DEVICE, SIZE PER PLAN.
- 3 **BACKFLOW PREVENTION DEVICE, INSTALLED BY OTHERS.**
- 4 INSTALL 2" DOMESTIC RP BACKFLOW PREVENTION DEVICE.
- 5 **REMOVE EXISTING CAP**
- 6 INSTALL 8" X 2" TAPPING SLEEVE & VALVE PER MAG DETAIL 340, BOX AND COVER PER DETAIL 391-1 TYPE 'A'.
- 7 INSTALL 2" COPPER TYPE K DOMESTIC WATER SERVICE AND 2" WATER METER. WATER METER BOXES ARE SUPPLIED BY UTILITY AND INSTALLED BY CONTRACTOR. INSTALL SHUT OFF VALVE (BALL VALVE) AND SMALL ROUND IRRIGATION STYLE BOX AND COVER ON THE CUSTOMER'S SIDE OF THE SERVICE. WHEN WATER METER IS LESSER SIZE THAN THE SERVICE LINE, ADAPTERS ARE TO BE A ONE-PIECE FORD METER ADAPTER OR APPROVED EQUIVAL FURNISHED AND INSTALLED BY CONTRACTOR.
- 8 INSTALL 2" COPPER TYPE K IRRIGATION WATER SERVICE AND 2" WATER METER. WATER METER BOXES ARE SUPPLIED BY UTILITY AND INSTALLED BY CONTRACTOR. INSTALL SHUT OFF VALVE (BALL VALVE) AND SMALL ROUND IRRIGATION STYLE BOX AND COVER ON THE CUSTOMER'S SIDE OF THE SERVICE. WHEN WATER METER IS LESSER SIZE THAN THE SERVICE LINE, ADAPTERS ARE TO BE A ONE-PIECE FORD METER ADAPTER OR APPROVED EQUIVAL FURNISHED AND INSTALLED BY CONTRACTOR.
- 9 INSTALL 2" IRRIGATION RP BACKFLOW PREVENTION DEVICE.

PRIVATE WATER NOTES:

- 1 INSTALL 2" PVC WATERLINE (SCHEDULE 80 AND 36" MIN COVER) WITH 12 AWG TRACER WIRE. LENGTH AS INDICATED ON PLANS.
- 2 INSTALL 2" PVC SCHEDULE 80 90 DEGREE BEND, THRUST BLOCKS PER MAG DETAIL 380.
- 3 INSTALL 2" CAP.
- 4 INSTALL 8" DIP CL 350 WATER LINE PER MAG SPECIFICATIONS 610 AND 750 WITH POLYETHYLENE WRAP PER MAG SPECIFICATIONS 610.6. INSTALL MARKING TAPE AND DETECTABLE LOCATING DEVICE. BEDDING AND INITIAL BACKFILL SHALL CONFORM TO MAG SPECIFICATIONS 601.4 MODIFIED TO MECHANICAL COMPACTION ONLY.
- 5 INSTALL 6" DIP CL 350 WATER LINE PER MAG SPECIFICATIONS 610 AND 750 WITH POLYETHYLENE WRAP PER MAG SPECIFICATIONS 610.6. INSTALL MARKING TAPE AND DETECTABLE LOCATING DEVICE. BEDDING AND INITIAL BACKFILL SHALL CONFORM TO MAG SPECIFICATIONS 601.4 MODIFIED TO MECHANICAL COMPACTION ONLY.
- 6 INSTALL 8" GATE VALVE, BOX AND COVER PER MAG DETAIL 391-1 TYPE 'A', THRUST BLOCKS PER MAG DETAIL 301.
- 7 INSTALL 6" GATE VALVE, BOX AND COVER PER MAG DETAIL 391-1 TYPE 'A', THRUST BLOCKS PER MAG DETAIL 301.
- 8 INSTALL 6" FIRE HYDRANT PER MAG DETAIL 360-1, COMPLETE WITH 6" DIP CL 350 WITH POLYETHYLENE WRAP PER MAG SPECIFICATIONS 610.6, 6" GATE VALVE, BOX AND COVER PER MAG DETAIL 391-1 TYPE 'A'.
- 9 INSTALL TEE, SIZE PER PLAN, THRUST BLOCKS PER MAG DETAIL 380.
- 10 INSTALL CAP, SIZE PER PLAN.
- 11 INSTALL 8" DIP 90 DEGREE BEND, THRUST BLOCKS PER MAG DETAIL 380.

LEGEND:

—W—NEW WATER LINE

————FIRE————NEW FIRE LINE

————IRR————NEW IRRIGATION LINE

[TEMPORARY CAP

TEE

1. \ BEND

⊗ WATER VALVE

 FIRE HYDRANT☐ WATER METER

 BACKFLOW PREVENTER

 FIRE DEPARTMENT CONNECTION

NOTE:
A THOROUGH ATTEMPT HAS BEEN MADE TO SHOW THE LOCATIONS OF ALL EXISTING UNDERGROUND OBSTRUCTIONS AND UTILITY LINE 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 ALL THE EXISTING UTILITIES PRIOR TO CONSTRUCTION.

VALVES SHALL HAVE FLANGED (FL) CONNECTIONS DIRECTLY TO FITTINGS (TEE, CROSSES). VALVES MAY HAVE FLANGE (FL) OR MECHANICAL JOINTS (MJ) CONNECTIONS TO PIPE. ALL FLANGED FITTING SHALL BE RATED AT 250 PSI.

FIRELINE AT PARKING CANOPY NOTE:
IF COVERED CANOPIES ARE TO BE CONSTRUCTED FOR THE BUS PARKING, A ON-SITE FIRE LOOP WILL BE REQUIRED. APPROXIMATE LENGTH OF LOOP IS 950 LF WITH RISER LATERALS TO EACH CANOPY. LOOP SUBJECT TO REVIEW AND APPROVAL BY LIBERTY UTILITIES. EXTENSION OF OFFSITE LINE IN COTTON LANE IS 430 LF IF LIBERTY UTILITIES DEEMS EXTENSION IS NECESSARY.

GENERAL WATER NOTE:
WATERLINE EXTENSION FOR BOTH EPCOR
AND LIBERTY UTILITIES ARE BY OTHERS AND
CURRENTLY IN DESIGN. STUB LOCATION
SHOWN ON PLANS ARE APPROXIMATE.



CONSTRUCTION DOCUMENTS



REV. /

AFUHSD
TRANSPORTATION
CENTER

COTTON LANE

DESIGNED: JLP

DRAWN: SAW

PROJ.	21-102
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SCALE: 1" = 30'

WATER AND FIRELINE PLANS

WG. NO.

C-06.1

GENERAL WATER NOTE:
WATERLINE EXTENSIONS IN COTTON LANE FOR BOTH EPCOR AND LIBERTY UTILITIES ARE BY OTHERS AND CURRENTLY IN DESIGN BY HUNTER ENGINEERING. PLANS TO BE SUBMITTED TO EPCOR AND LIBERTY UTILITIES AS SEPARATE PERMIT. STUB LOCATIONS SHOWN ARE APPROXIMATE.

8" WATERLINE TO BE
CONSTRUCTED IN COTTON LANE
(OWNED AND OPERATED BY
EPCOR UTILITIES)

10" WATERLINE TO BE
CONSTRUCTED IN COTTON LANE
(OWNED AND OPERATED BY
LIBERTY UTILITIES)

Added Scope Via ASI001

Added Scope Via ASI001

LOOP 303-BOB STUMP MEMORIAL HIGHWAY

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- 2 INSTALL REDUCER AT POINT OF CONNECTION WITH BACKFLOW PREVENTION DEVICE, SIZE PER PLAN.
- 3 REMOVE EXISTING CAP.
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- 6 SAWCUT AT LOCATION SHOWN FOR INSTALL OF DOMESTIC AND IRRIGATION WATER SERVICES. REMOVE AND REPLACE PAVEMENT PER MAG STD. DTL. 200-1 FOR T-TOP TRENCH. AREA OF REMOVAL PER PLAN.

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- 6 INSTALL 8" GATE VALVE, BOX AND COVER PER MAG DETAIL 391-1 TYPE 'A', THRUST BLOCKS PER MAG DETAIL 301.
- 7 INSTALL 6" GATE VALVE, BOX AND COVER PER MAG DETAIL 391-1 TYPE 'A', THRUST BLOCKS PER MAG DETAIL 301.
- 8 INSTALL 6" FIRE HYDRANT PER COG STD. DETAIL G-3330, COMPLETE WITH 6" DIP CL 350 WITH POLYETHYLENE WRAP PER MAG SPECIFICATIONS 610.6, 6" GATE VALVE, BOX AND COVER PER MAG DETAIL 391-1 TYPE 'A'.
- 9 INSTALL TEE, SIZE PER PLAN, THRUST BLOCKS PER MAG DETAIL 380.
- 10 INSTALL CAP, SIZE PER PLAN.
- 11 INSTALL 8" DIP 90 DEGREE BEND, THRUST BLOCKS PER MAG DETAIL 380.
- 12 INSTALL 2" RPZ DETECTOR BACKFLOW PREVENTION ASSEMBLY (RPDA) WITH BYPASS BACKFLOW PREVENTION ASSEMBLY AND SR II WATER METER.
- 13 INSTALL 8" DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY (DCDA) PER COG DETAIL G-3352.

LEGEND:

- W— NEW WATER LINE
- FIRE— NEW FIRE LINE
- IRR— NEW IRRIGATION LINE
- ⌈ TEMPORARY CAP
- ⌋ TEE
- ⌋ BEND
- ⊗ WATER VALVE
- ⊙ FIRE HYDRANT
- WATER METER
- ∞ BACKFLOW PREVENTER
- ⊕ FIRE DEPARTMENT CONNECTION

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Obtain Arizona 811 at least 10 days before you begin excavation
Call 811 or visit arizona811.com

CONSTRUCTION
DOCUMENTS



REV.

AFUHS
TRANSPORTATION
CENTER

COTTON LANE
GOODYEAR, AZ

DESIGNED: JLP
DATE: NOV. 8, 2021
DRAWN: SAW
PROJ. 21-102
SCALE: 1" = 30'

WATER AND
FIRELINE PLANS

DWG. NO.

C-06.1