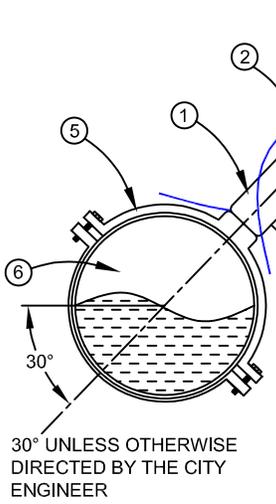
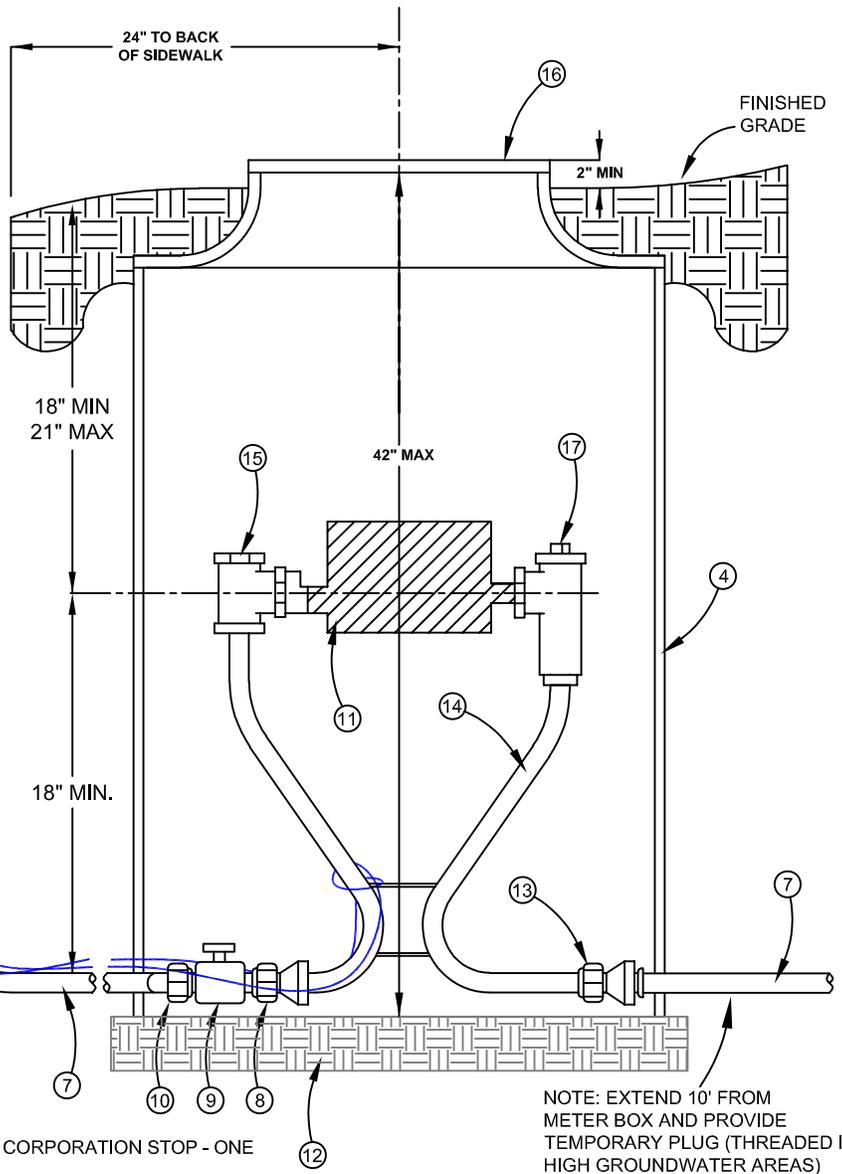


NOTES:

- (A) NO GALVANIZED PIPE OR YELLOW BRASS FITTINGS TO BE USED
- (B) SADDLE COUPLINGS: USED FOR CONNECTION OF ALL SERVICE LINES TO PVC MAIN. SERVICE SADDLES: EPOXY COATED STEEL WITH STAINLESS STEEL BAND AND MUELLER THREADS (IP THREADS)
- (C) NO SERVICE CONNECTIONS WITHIN ONE (1) FOOT OF THE PIPE ENDS. STAGGER MULTIPLE CONNECTIONS MADE ON THE SAME JOINT OF PIPE ALONG THE CIRCUMFERENCE AND SEPARATED BY A MINIMUM OF 18 INCHES.
- (D) CENTER METER BOXES LOCATED IN CONCRETE DRIVEWAYS IN A 4' X 4' SQUARE OF CONCRETE, SEPARATED FROM THE REST OF THE DRIVEWAY CONCRETE BY EXPANSION JOINT MATERIAL. USE A TRAFFIC RATED LID SET FLUSH WITH DRIVEWAY AND LID SHALL BE MARKED "WATER".
- (E) SET OF METER LID TWO (2) INCHES ABOVE FINISHED GRADE EXCEPT AS NOTED IN NOTE "E"
- (F) COPPER SETTERS MUST BE 7" (SHORT LAY) METER SETS
- (G) INSTALL ONE (1) 20" X 1" D/C FOAM PAD 1.2# FOR EVERY METER PIT INSTALLED
- (H) PROVIDE ONE (1) - FORD TEST PORT #RETRO-SS-2CHC FOR EACH PHASE OF A SUBDIVISION OR PROJECT FOR THE CITY TO INSTALL, PREFERRED IN A SINGLE METER PIT IF APPLICABLE.
- (I) MARK SERVICE WITH 6' (MIN.) T-POST OR 8' (MIN.) 2 X 4, BURIED TO SERVICE DEPTH, PAINTED WITH BLUE MARKING PAINT



- (1) FORD FB-1101 OR MUELLER BALL CORPORATION STOP - ONE (1) INCH
- (2) PACK JOINT COMPRESSION FITTING
- (3) NO. 12 COPPER LOCATE/TRACER WIRE LOOPED BACK TO WATERMAIN.
- (4) 20" DIA X 36" DEEP METER BOX (NOTCH FOR SERVICE LINES)
- (5) EPOXY COATED TAPPING SADDLE WITH STAINLESS STEEL BAND (ROMAC 101NS)
- (6) WATERMAIN (SIZE VARIES - 8" TYP.)
- (7) USE 1" DIA. CLASS 250 POLYETHYLENE SIDR 7 PIPE (TYP.) NO SPLICING IS ALLOWED
- (8) SWIVEL IRON PIPE THREAD CONNECTION
- (9) FULL OPENING 3/4" MUELLER 300 BALL OR FORD B-1144NL BALL VALVE
- (10) PACK JOINT CURB STOP ADAPTER
- (11) FUTURE 7" METER INSTALLED BY THE CITY OF KUNA
- (12) FIRM UNDISTURBED EARTH OR COMPACTED SAND/GRAVEL
- (13) DOUBLE PURPOSE COUPLING
- (14) FORD VBHC92-18W-11-33-NL WITH MALE CONNECTION
- (15) VALVE PER ITEM #14
- (16) CAST IRON LID WITH TWO (2) RECESSED HOLES FOR DUAL SERVICE PITS AND ONE (1) RECESSED HOLE FOR SINGLE SERVICE METER PITS; 1 1/2" OPENING - 1 1/32" PENTAGONAL NUT (D&L L2242 OR VESTAL MFG BRMRC)
- (17) CARTRIDGE CHECK VALVE FOR BACK-FLOW PREVENTION PER ITEM #14

NOTE: EXTEND 10' FROM METER BOX AND PROVIDE TEMPORARY PLUG (THREADED IN HIGH GROUNDWATER AREAS)

*** ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS ***

v.04/18/2022

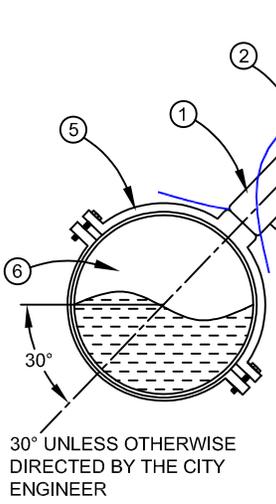
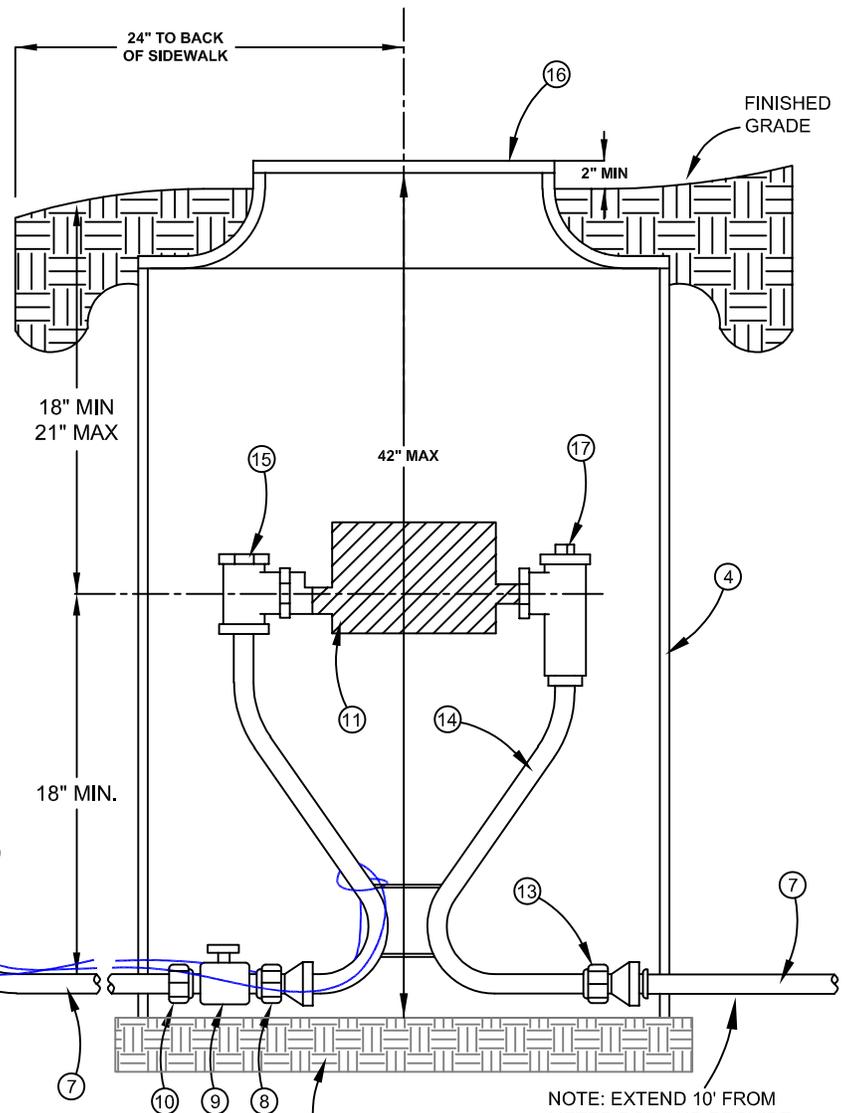


CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

WATER SERVICE CONNECTION
 STANDARD 5/8" x 3/4" WATER SERVICE
 KUNA STANDARD DRAWING K400-.75

NOTES:

- (A) NO GALVANIZED PIPE OR YELLOW BRASS FITTINGS TO BE USED
- (B) SADDLE COUPLINGS: USED FOR CONNECTION OF ALL SERVICE LINES TO PVC MAIN. SERVICE SADDLES: EPOXY COATED STEEL WITH STAINLESS STEEL BAND AND MUELLER THREADS (IP THREADS)
- (C) NO SERVICE CONNECTIONS WITHIN ONE (1) FOOT OF THE PIPE ENDS. STAGGER MULTIPLE CONNECTIONS MADE ON THE SAME JOINT OF PIPE ALONG THE CIRCUMFERENCE AND SEPARATED BY A MINIMUM OF 18 INCHES.
- (D) CENTER METER BOXES LOCATED IN CONCRETE DRIVEWAYS IN A 4' X 4' SQUARE OF CONCRETE, SEPARATED FROM THE REST OF THE DRIVEWAY CONCRETE BY EXPANSION JOINT MATERIAL. USE A TRAFFIC RATED LID SET FLUSH WITH DRIVEWAY AND LID SHALL BE MARKED "WATER".
- (E) SET OF METER LID TWO (2) INCHES ABOVE FINISHED GRADE EXCEPT AS NOTED IN NOTE "E"
- (F) COPPER SETTERS MUST BE 11" (SHORT LAY) METER SETS
- (G) INSTALL OR PROVIDE ONE (1) 20" X 1" D/C FOAM PAD 1.2# FOR EVERY METER PIT INSTALLED
- (H) PROVIDE ONE (1) - FORD TEST PORT #RETRO-SS-2CHC FOR EACH PHASE OF A SUBDIVISION OR PROJECT FOR THE CITY TO INSTALL, PREFERRED IN A SINGLE METER PIT IF APPLICABLE.
- (I) MARK SERVICE WITH 6" (MIN.) T-POST OR 8" (MIN.) 2 X 4, BURIED TO SERVICE DEPTH, PAINTED WITH BLUE MARKING PAINT



NOTE: EXTEND 10' FROM METER BOX AND PROVIDE TEMPORARY PLUG & MARK AT SURFACE

- (1) FORD FB-1101 OR MUELLER BALL CORPORATION STOP - ONE (1) INCH
- (2) PACK JOINT COMPRESSION FITTING
- (3) NO. 12 COPPER LOCATE/TRACER WIRE LOOPED BACK TO WATERMAIN.
- (4) 20" DIA X 36" DEEP METER BOX (NOTCH FOR SERVICE LINES)
- (5) EPOXY COATED TAPPING SADDLE WITH STAINLESS STEEL BAND (ROMAC 101NS)
- (6) WATERMAIN (SIZE VARIES - 8" TYP.)
- (7) USE 1" DIA. CLASS 250 POLYETHYLENE SIDR 7 PIPE (TYP.) NO SPLICING IS ALLOWED
- (8) SWIVEL IRON PIPE THREAD CONNECTION
- (9) FULL OPENING ONE (1) INCH MUELLER 300 BALL OR FORD B-11444NL BALL VALVE
- (10) PACK JOINT CURB STOP ADAPTER
- (11) FUTURE 11" METER INSTALLED BY THE CITY OF KUNA
- (12) FIRM UNDISTURBED EARTH OR COMPACTED SAND/GRAVEL
- (13) DOUBLE PURPOSE COUPLING
- (14) FORD VBHC94-18W-81-44-NL WITH MALE CONNECTION OR APPROVED EQUAL.
- (15) VALVE PER ITEM #14
- (16) CAST IRON LID WITH TWO (2) RECESSED HOLES FOR DUAL SERVICE PITS AND ONE (1) RECESSED HOLE FOR SINGLE SERVICE METER PITS; 13 1/2" OPENING - 1 1/32" PENTAGONAL NUT (D&L L2242 OR VESTAL MFG BRMRC)
- (17) CARTRIDGE CHECK VALVE FOR BACK-FLOW PREVENTION PER ITEM #14

ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022

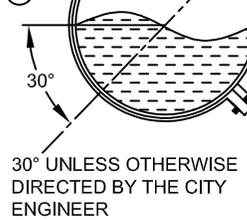
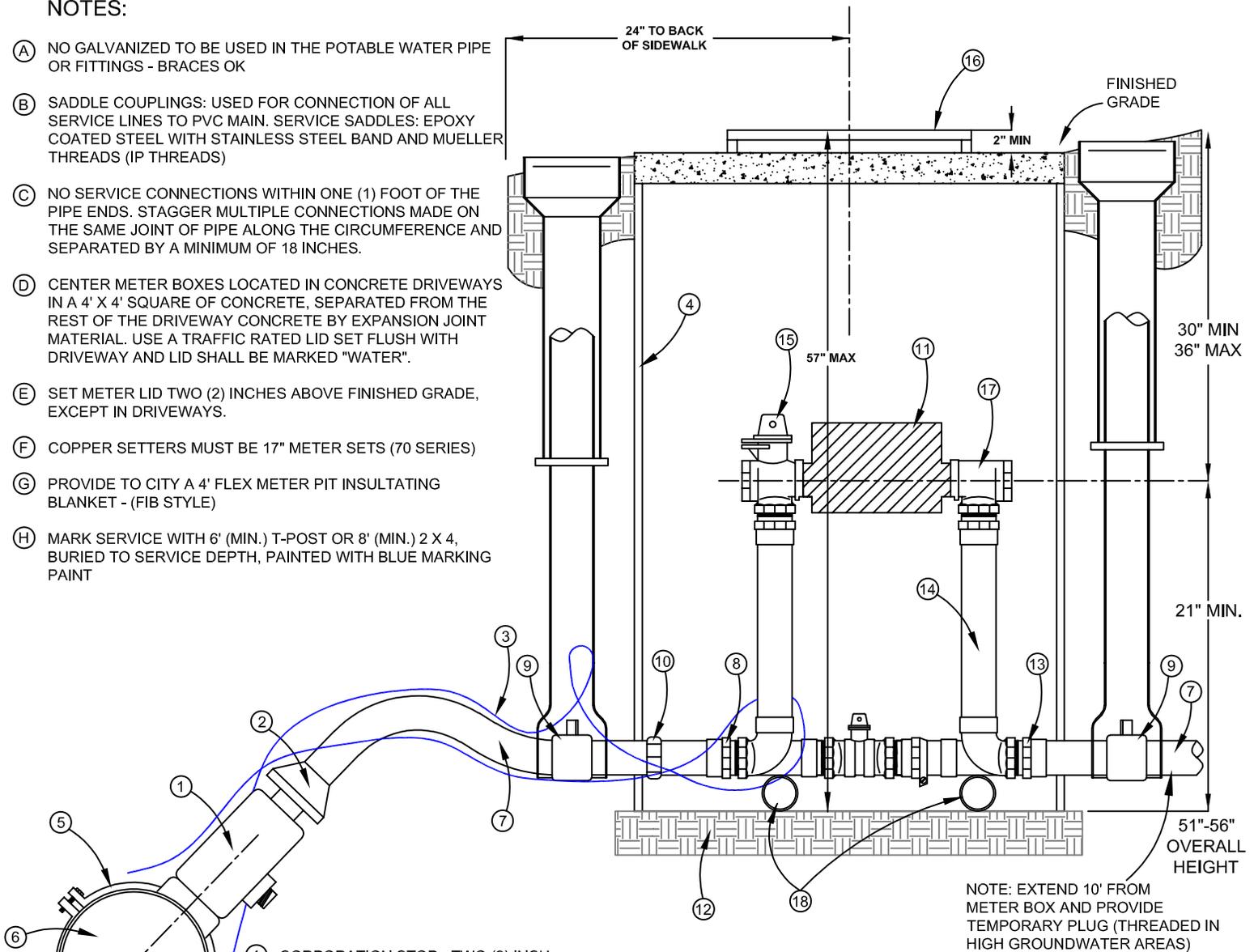


CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

WATER SERVICE CONNECTION
 STANDARD 1" WATER SERVICE
 KUNA STANDARD DRAWING K-401

NOTES:

- (A) NO GALVANIZED TO BE USED IN THE POTABLE WATER PIPE OR FITTINGS - BRACES OK
- (B) SADDLE COUPLINGS: USED FOR CONNECTION OF ALL SERVICE LINES TO PVC MAIN. SERVICE SADDLES: EPOXY COATED STEEL WITH STAINLESS STEEL BAND AND MUELLER THREADS (IP THREADS)
- (C) NO SERVICE CONNECTIONS WITHIN ONE (1) FOOT OF THE PIPE ENDS. STAGGER MULTIPLE CONNECTIONS MADE ON THE SAME JOINT OF PIPE ALONG THE CIRCUMFERENCE AND SEPARATED BY A MINIMUM OF 18 INCHES.
- (D) CENTER METER BOXES LOCATED IN CONCRETE DRIVEWAYS IN A 4' X 4' SQUARE OF CONCRETE, SEPARATED FROM THE REST OF THE DRIVEWAY CONCRETE BY EXPANSION JOINT MATERIAL. USE A TRAFFIC RATED LID SET FLUSH WITH DRIVEWAY AND LID SHALL BE MARKED "WATER".
- (E) SET METER LID TWO (2) INCHES ABOVE FINISHED GRADE, EXCEPT IN DRIVEWAYS.
- (F) COPPER SETTERS MUST BE 17" METER SETS (70 SERIES)
- (G) PROVIDE TO CITY A 4' FLEX METER PIT INSULATING BLANKET - (FIB STYLE)
- (H) MARK SERVICE WITH 6' (MIN.) T-POST OR 8' (MIN.) 2 X 4, BURIED TO SERVICE DEPTH, PAINTED WITH BLUE MARKING PAINT



- (1) CORPORATION STOP - TWO (2) INCH
- (2) PACK JOINT COMPRESSION FITTING
- (3) NO. 12 COPPER LOCATE/TRACER WIRE LOOPED BACK TO WATERMAIN.
- (4) 30" DIA X 36" DEEP METER BOX (NOTCH FOR SERVICE LINES)
- (5) EPOXY COATED TAPPING SADDLE WITH STAINLESS STEEL BAND
- (6) WATERMAIN (SIZE VARIES - 8" TYP.)
- (7) 2" SERVICE LINE CLASS 250 POLYETHYLENE SIDR 7 PIPE (TYP.) NO SPLICING IS ALLOWED
- (8) SWIVEL IRON PIPE THREAD CONNECTION
- (9) FULL OPENING TWO (2) INCH BALL VALVE, w/3 PIECE VALVE CAN AND IF NEEDED CONCRETE COLLAR IN ROAD .
- (10) PACK JOINT CURB STOP FITTING
- (11) FUTURE 2" METER INSTALLED BY THE CITY OF KUNA
- (12) FIRM UNDISTURBED EARTH. (SET TILE ON 2" X 30" DIAMETER PRECAST CONCRETE BLOCK IF OVER EXCAVATION OCCURS)
- (13) DOUBLE PURPOSE COUPLING
- (14) FORD VBHH77-21B-11-77-NL WITH FEMALE CONNECTION
- (15) FORD BALL VALVE 18" - TWO (2) INCH COPPER SETTER WITH PADLOCK WINGS AND EXTENDED END ON EACH PER ITEM #14
- (16) D&L 5024 CAST IRON MANHOLE LID WITH RECESSED ANTENNAE HOLE; 24" OPENING
- (17) CARTRIDGE CHECK VALVE FOR BACK-FLOW PREVENTION PER ITEM #14
- (18) ONE (1) INCH GALVANIZED BRACE PIPE MIN. 18" - REQUIRED TWO (2)

ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022

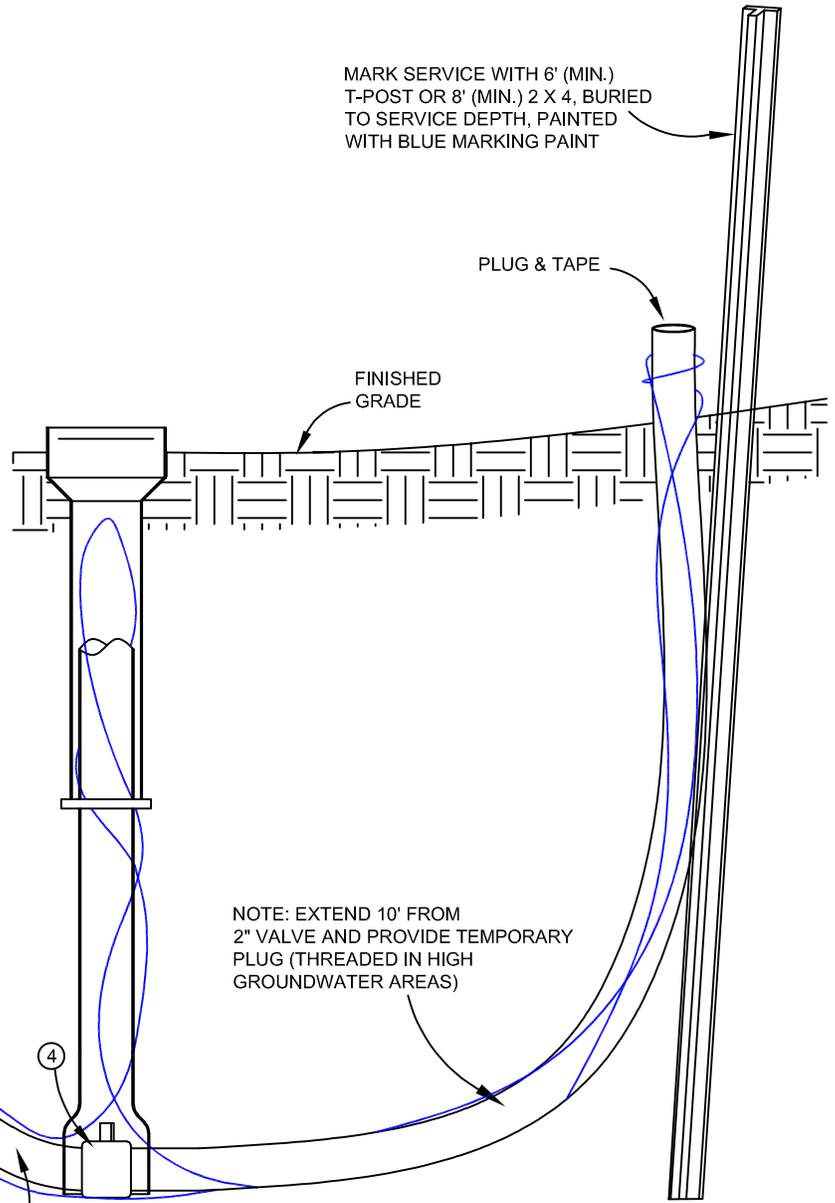


CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

WATER SERVICE CONNECTION
 COMMERCIAL & 4-PLEX (TYPICAL)
 STANDARD 2" WATER SERVICE
 KUNA STANDARD DRAWING K-402

NOTES:

- (A) NO GALVANIZED TO BE USED IN THE POTABLE WATER PIPE OR FITTINGS - BRACES OK
- (B) SADDLE COUPLINGS: USED FOR CONNECTION OF ALL SERVICE LINES TO PVC MAIN. SERVICE SADDLES: EPOXY COATED STEEL WITH STAINLESS STEEL BAND AND MUELLER THREADS (IP THREADS)
- (C) NO SERVICE CONNECTIONS WITHIN ONE (1) FOOT OF THE PIPE ENDS. STAGGER MULTIPLE CONNECTIONS MADE ON THE SAME JOINT OF PIPE ALONG THE CIRCUMFERENCE AND SEPARATED BY A MINIMUM OF 18 INCHES.
- (D) ALL LOCATOR WIRE SPLICES SHALL USE DRYCONN WATERPROOF, FILLED CONNECTORS FOR LOW VOLTAGE USE

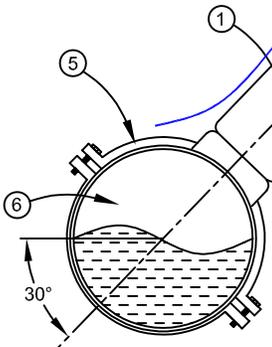


MARK SERVICE WITH 6' (MIN.) T-POST OR 8' (MIN.) 2 X 4, BURIED TO SERVICE DEPTH, PAINTED WITH BLUE MARKING PAINT

PLUG & TAPE

FINISHED GRADE

NOTE: EXTEND 10' FROM 2" VALVE AND PROVIDE TEMPORARY PLUG (THREADED IN HIGH GROUNDWATER AREAS)



30° UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER

- (1) CORPORATION STOP - TWO (2) INCH
- (2) PACK JOINT COMPRESSION FITTING
- (3) NO. 12 COPPER LOCATE/TRACER WIRE LOOPED BACK TO WATERMAIN.
- (4) FULL OPENING TWO (2) INCH BALL VALVE, w/3 PIECE VALVE CAN AND IF NEEDED CONCRETE COLLAR IN ROAD)
- (5) EPOXY COATED TAPPING SADDLE WITH STAINLESS STEEL BAND
- (6) WATERMAIN (SIZE VARIES - 8" TYP.)
- (7) 2" SERVICE LINE CLASS 250 POLYETHYLENE SIDR 7 PIPE (TYP.) NO SPLICING IS ALLOWED

ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

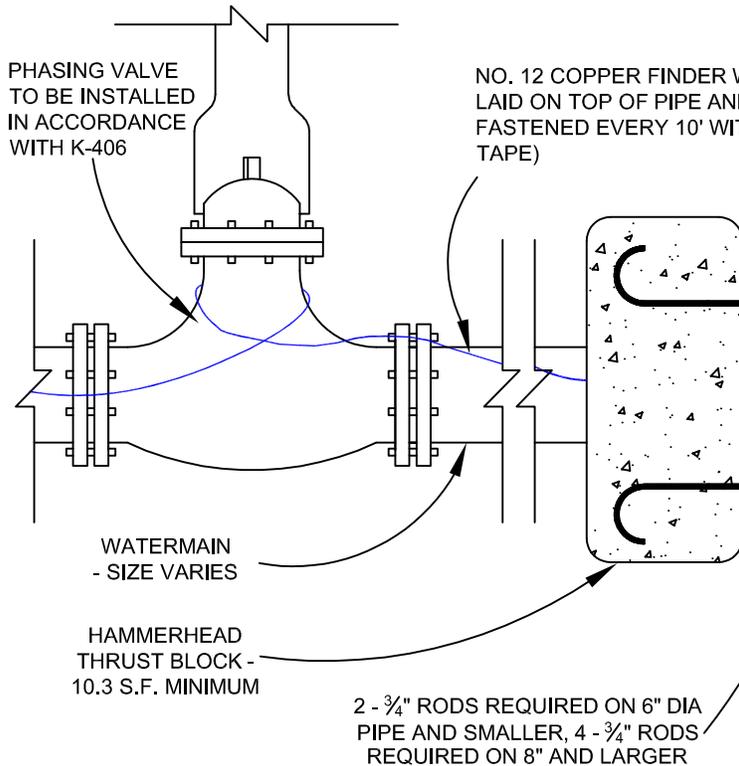
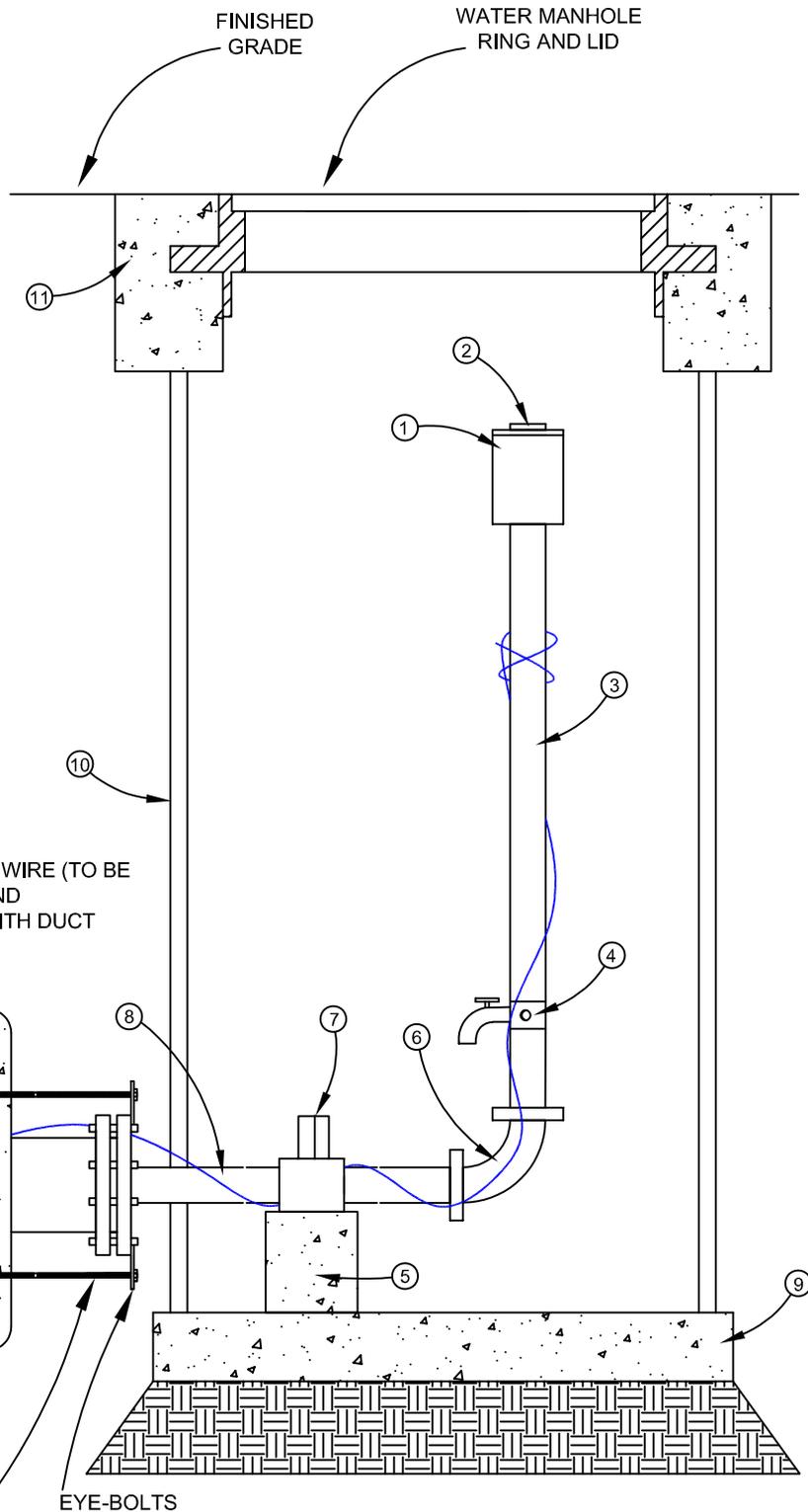
WATER SERVICE CONNECTION
 VACANT OR UNKNOWN COMMERCIAL
 2" WATER SERVICE
 KUNA STANDARD DRAWING K-402V

NOTES:

- (A) WHEN CONSTRUCTING THIS BLOW-OFF AS TEMPORARY USE, INSTALL A 3' LENGTH OF PIPE INTO THE BELL END OF THE LAST LENGTH OF WATERMAIN
- (B) NO KAM-LOCK CAPS PERMITTED

LEGEND:

- (1) 2" THREADED COUPLING FEMALE X FEMALE ADAPTER
- (2) 2" MALE ADAPTER PLUG
- (3) 2" THREADED GALVANIZED PIPE
- (4) ¼" DRAIN VALVE WITH SADDLE (¼ TURN TO OPEN)
- (5) PRE-CAST CONCRETE BLOCKS WEDGED IN PLACE
- (6) 2" THREADED GALVANIZED 90° ELBOW
- (7) 2" GATE VALVE WITH OP NUT
- (8) 2" THREADED BRASS NIPPLE
- (9) PRE-CAST 2" GRADE RING USED TO SUPPORT CMP (X 35" O.D.) CONCRETE
- (10) 30" CMP CUT TO LENGTH IN THE FIELD FOR BLOW-OFF OUTSIDE THE R/W. WITHIN R/W USE ROAD GRADE MANHOLE
- (11) 4" X 35" O.D. PRE-CAST CONCRETE GRADE RING MIN 2-4" GRADE RING, MAX 2-4" GRADE RING AND 2-4" GRADE RING (OTHERWISE CMP EXTENSION AND CMP BAND)



ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

2" BLOW-OFF DETAIL
 (NOT IN R.O.W)
 WATER (TYPICAL)

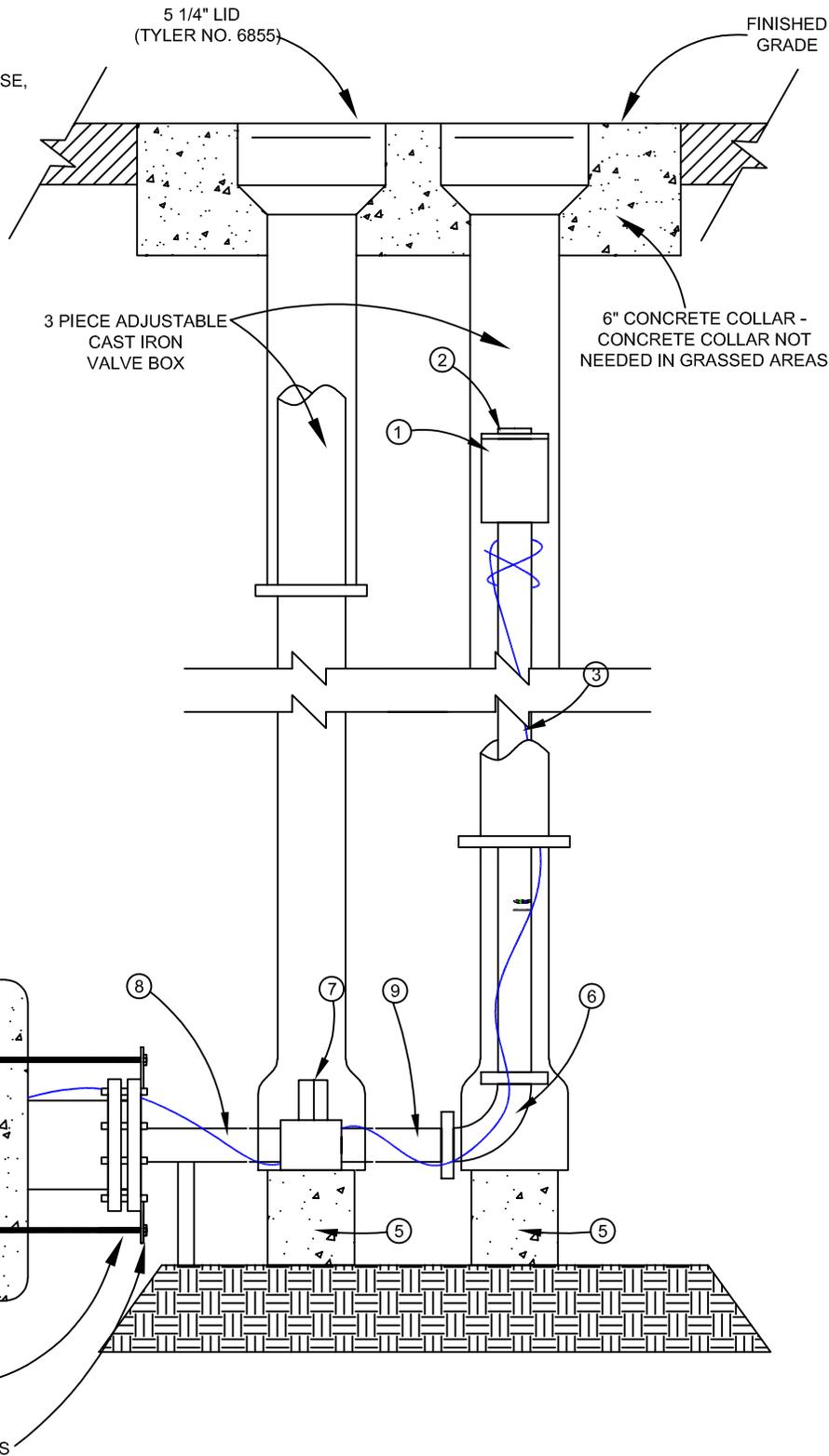
TO BE USED ON MAINS ≤12" DIA
KUNA STANDARD DRAWING K-405.2

NOTES:

- (A) WHEN CONSTRUCTING THIS BLOW-OFF AS TEMPORARY USE, INSTALL A 3' LENGTH OF PIPE INTO THE BELL END OF THE LAST LENGTH OF WATERMAIN

LEGEND:

- (1) 4" THREADED COUPLING FEMALE X FEMALE ADAPTER
- (2) 4" MALE ADAPTER CAP
- (3) 4" THREADED GALVANIZED PIPE
- (4) NOT USED.
- (5) PRE-CAST CONCRETE BLOCKS WEDGED IN PLACE
- (6) 4" THREADED GALVANIZED 90° ELBOW
- (7) 4" GATE VALVE WITH OP NUT
- (8) 4" THREADED BRASS NIPPLE
- (9) 4" THREADED BRASS NIPPLE MINIMUM 12" IN LENGTH



NO. 12 COPPER FINDER WIRE (TO BE LAID ON TOP OF PIPE AND FASTENED EVERY 10' WITH DUCT TAPE)

WATERMAIN - SIZE VARIES

HAMMERHEAD THRUST BLOCK - 10.3 S.F. MINIMUM

2 - 3/4" RODS REQUIRED ON 6" DIA PIPE AND SMALLER, 4 - 3/4" RODS REQUIRED ON 8" AND LARGER

EYE-BOLTS

ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

4" BLOW-OFF DETAIL (IN R.O.W)
 WATER (TYPICAL)
 TO BE USED ON MAINS ≥12" DIA
KUNA STANDARD DRAWING K-405R.4

5 1/4" LID (TYLER NO. 6855)

24" X 6" CONCRETE COLLAR -
CONCRETE COLLAR NOT NEEDED
IN GRASSED AREAS

FINISHED
GRADE

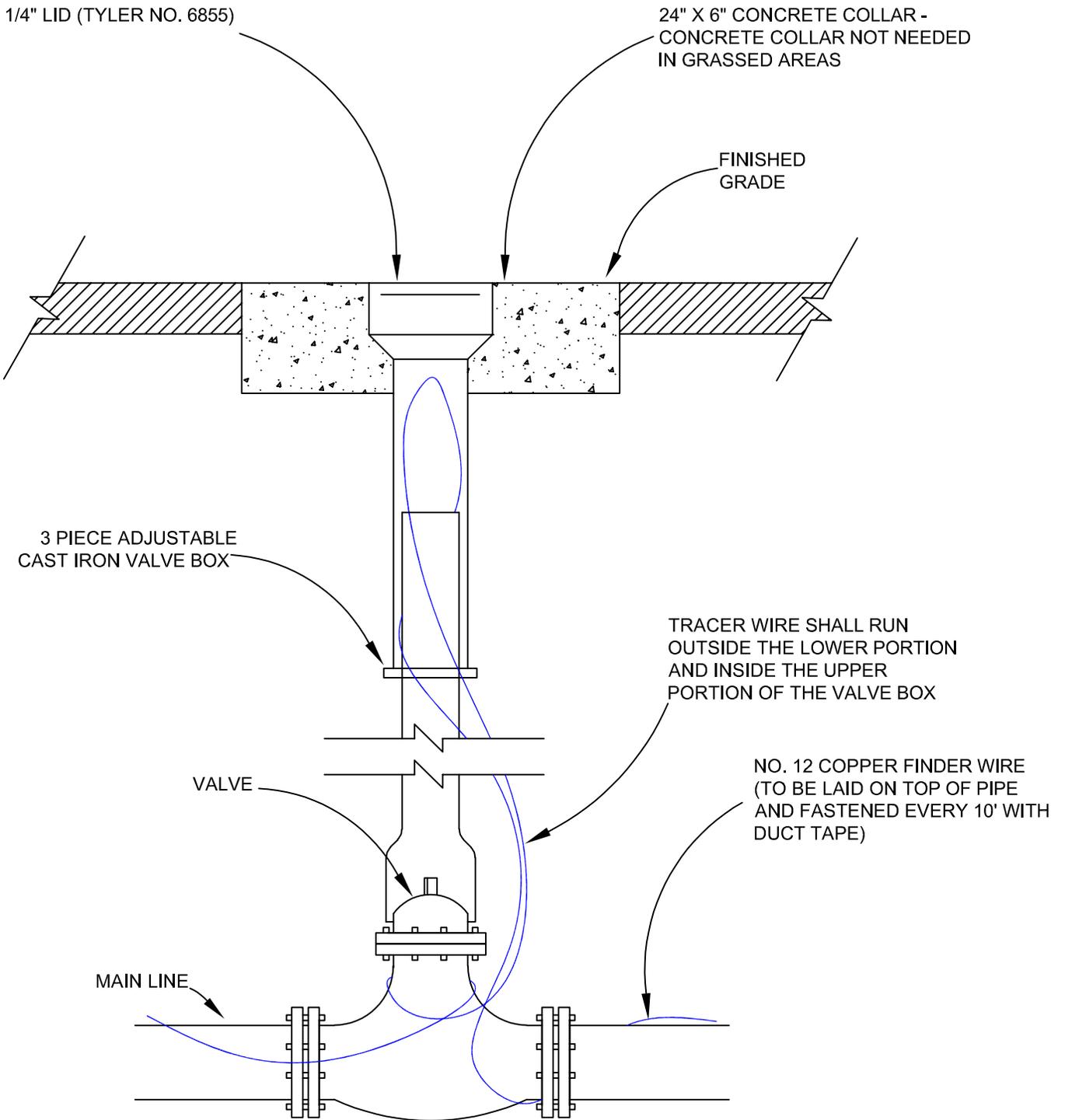
3 PIECE ADJUSTABLE
CAST IRON VALVE BOX

TRACER WIRE SHALL RUN
OUTSIDE THE LOWER PORTION
AND INSIDE THE UPPER
PORTION OF THE VALVE BOX

VALVE

NO. 12 COPPER FINDER WIRE
(TO BE LAID ON TOP OF PIPE
AND FASTENED EVERY 10' WITH
DUCT TAPE)

MAIN LINE



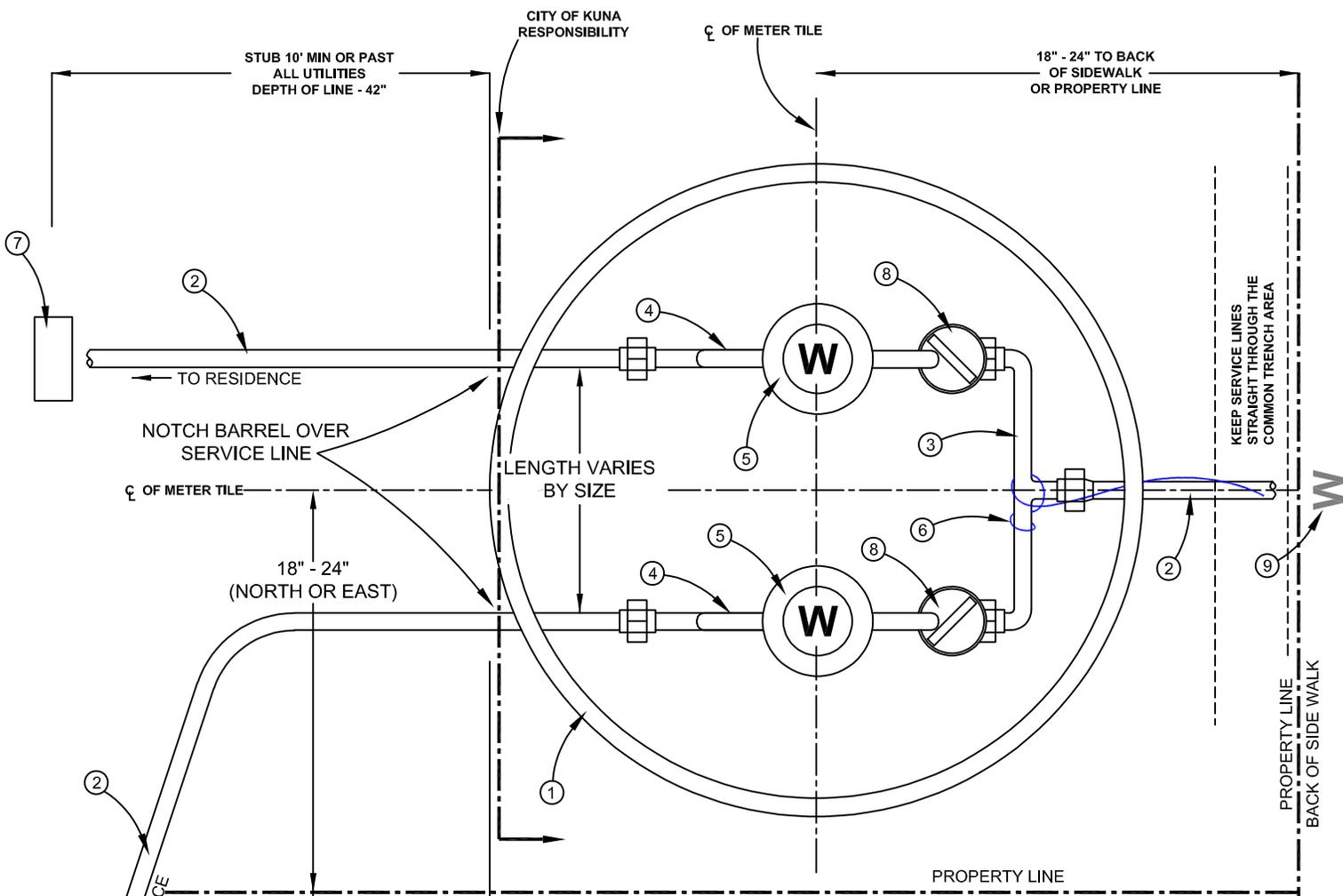
ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
(208) 287-1722 EXT. 8
www.KunaID.gov

WATER MAIN VALVE
MAIN LINE VALVE
KUNA STANDARD DRAWING K-406



**DOUBLE WATER METER
BRANCH FITTING AND LOCATION
-NTS-**

- ① 20" DIAMETER BY 36" TALL METER BOX (NOTCH FOR SERVICES)
- ② 1" CLASS 250 POLYETHYLENE SERVICE SIDR 7 PIPE
- ③ 1" BRANCH FITTING (ADAPTABLE TO ITEM #4)
- ④ COPPER METER SETTER WITH LOCKABLE SHUT OFF VALVE AND ANGLE DUAL CARTRIDGE CHECK VALVE PART NUMBER PER APPROPRIATE SERVICE SIZE.
- ⑤ WATER METER FURNISHED BY CITY OF KUNA
- ⑥ No. 12 TRACER WIRE- LOOPED TO WATERMAIN
- ⑦ MARK SERVICE WITH 6' (MIN.) T-POST OR 8' (MIN.) 2 X 4, BURIED TO SERVICE DEPTH, PAINTED WITH BLUE MARKING PAINT
- ⑧ FULL OPENING BALL VALVE BASED ON SERVICE SIZE
- ⑨ STAMPED "W" IN FRONT OF WATER METER PIT

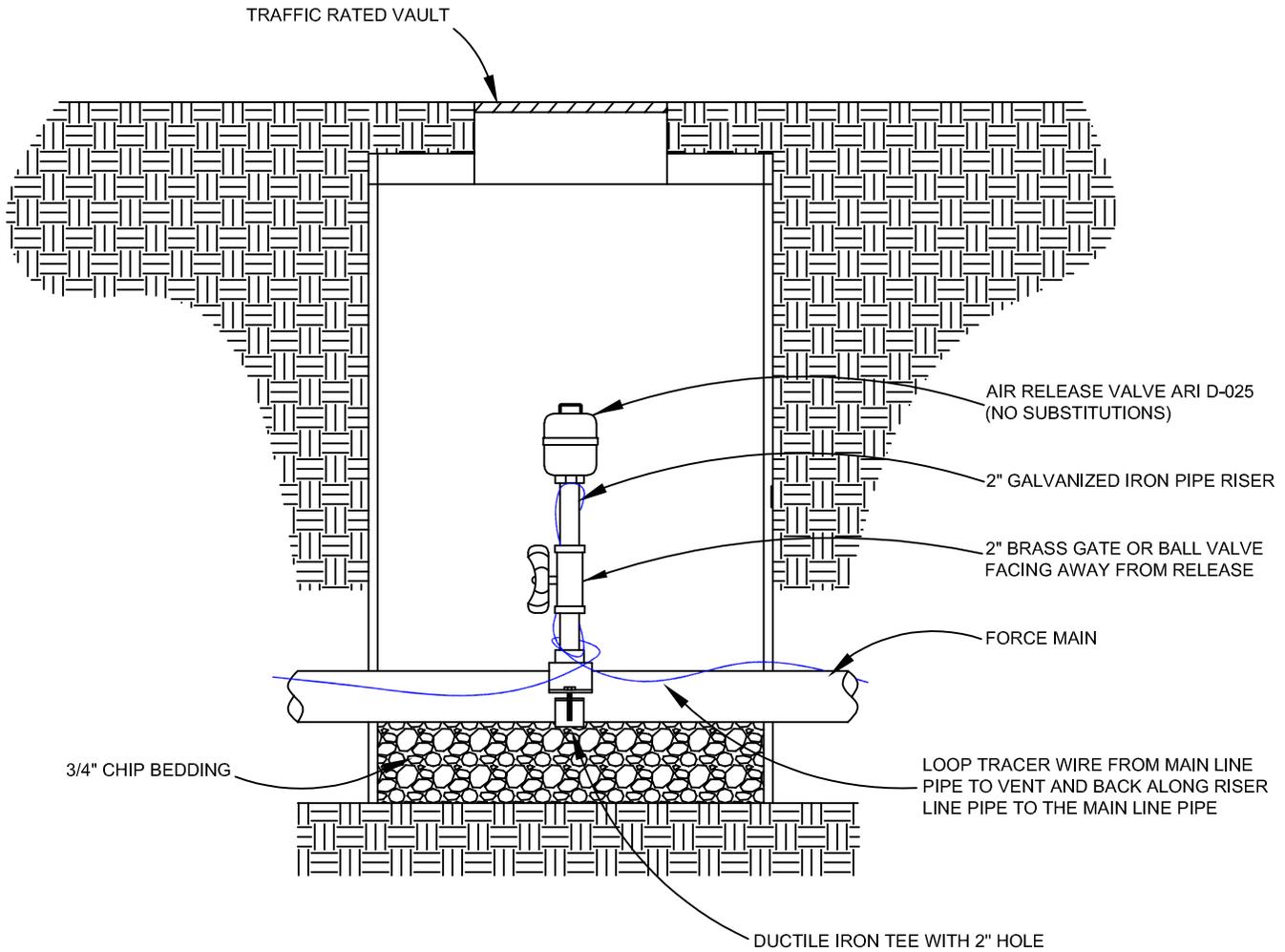
ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
(208) 287-1722 EXT. 8
www.KunaID.gov

**WATER SERVICE CONNECTION
WATER METER & PIT LAYOUT
KUNA STANDARD DRAWING K-409**



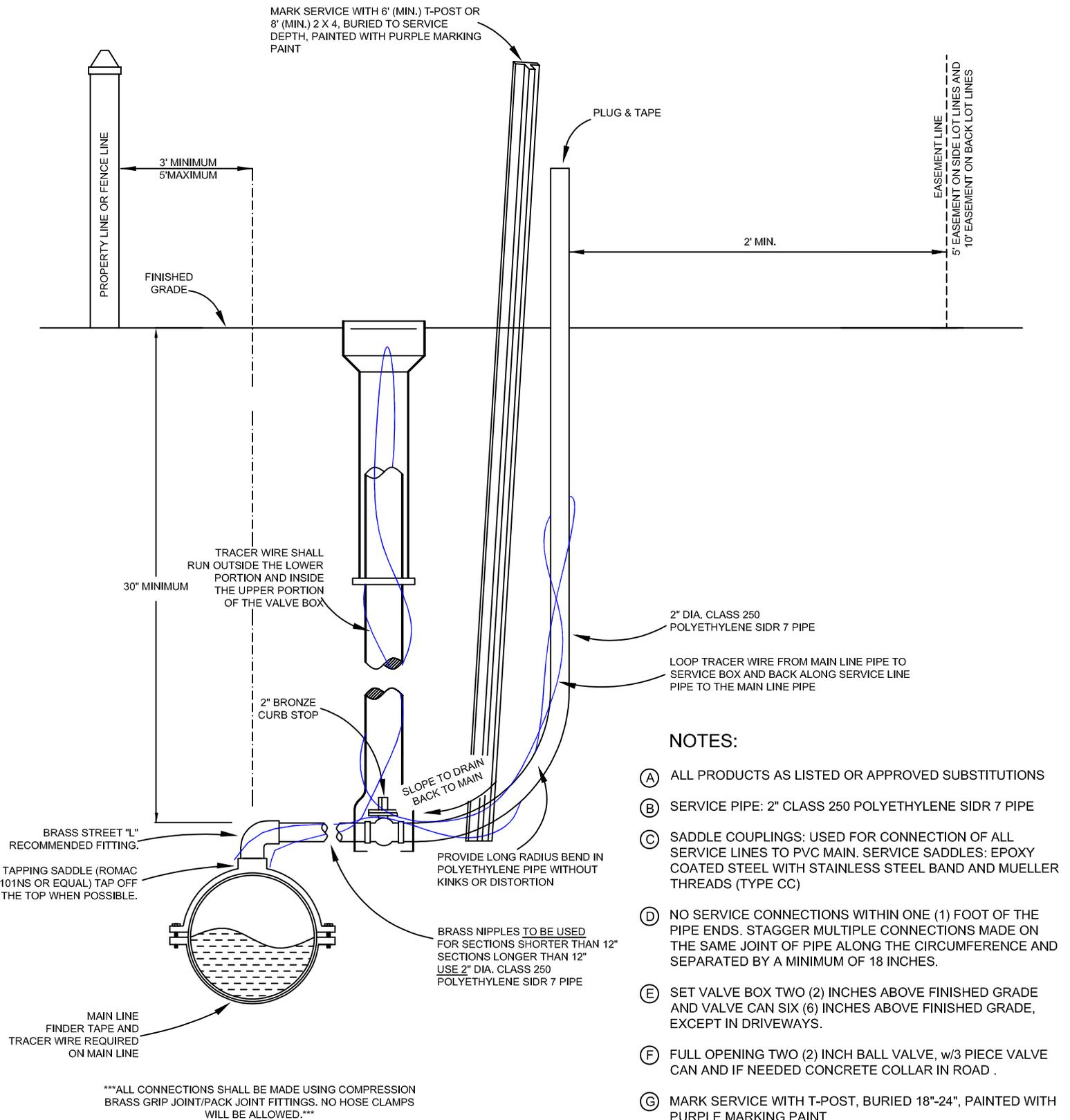
ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

AIR RELEASE VALVE (IN R.O.W.)
 PRESSURE SEWER ≤ 6" (TYPICAL)
 KUNA STANDARD DRAWING K-508



NOTES:

- (A) ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS
- (B) SERVICE PIPE: 2" CLASS 250 POLYETHYLENE SIDR 7 PIPE
- (C) SADDLE COUPLINGS: USED FOR CONNECTION OF ALL SERVICE LINES TO PVC MAIN. SERVICE SADDLES: EPOXY COATED STEEL WITH STAINLESS STEEL BAND AND MUELLER THREADS (TYPE CC)
- (D) NO SERVICE CONNECTIONS WITHIN ONE (1) FOOT OF THE PIPE ENDS. STAGGER MULTIPLE CONNECTIONS MADE ON THE SAME JOINT OF PIPE ALONG THE CIRCUMFERENCE AND SEPARATED BY A MINIMUM OF 18 INCHES.
- (E) SET VALVE BOX TWO (2) INCHES ABOVE FINISHED GRADE AND VALVE CAN SIX (6) INCHES ABOVE FINISHED GRADE, EXCEPT IN DRIVEWAYS.
- (F) FULL OPENING TWO (2) INCH BALL VALVE, w/3 PIECE VALVE CAN AND IF NEEDED CONCRETE COLLAR IN ROAD .
- (G) MARK SERVICE WITH T-POST, BURIED 18"-24", PAINTED WITH PURPLE MARKING PAINT
- (H) ALL LOCATOR WIRE SPLICES SHALL USE DRYCONN WATERPROOF, FILLED CONNECTORS FOR LOW VOLTAGE USE

ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

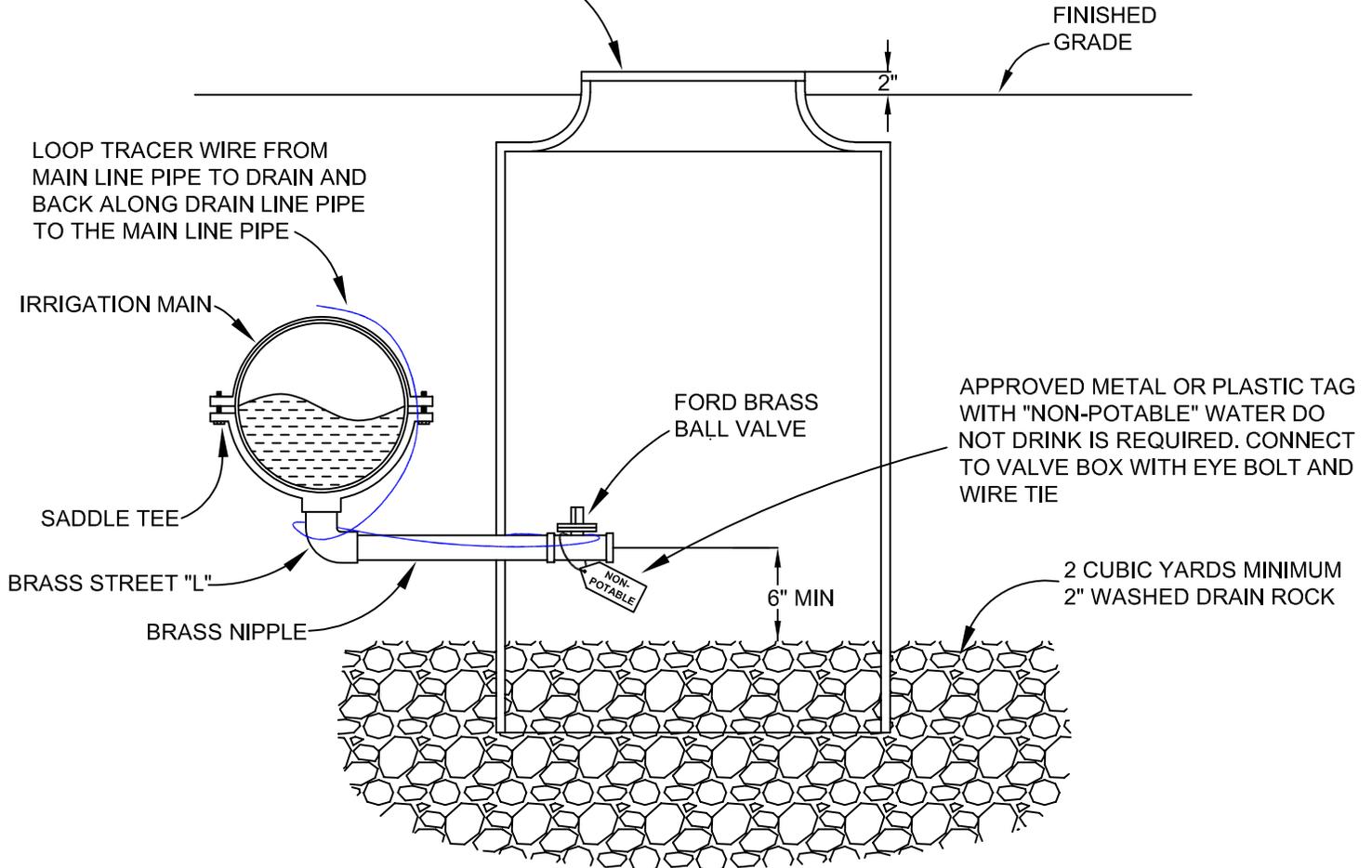
v.04/18/2022



CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

PRESSURIZED IRRIGATION
2" SERVICE
MAIN SIDE (SHORT SIDE)
KUNA STANDARD DRAWING K-902

METER BARREL: 20" x 36" METER VAULT W/ SMOOTH INTERIOR
 METER BARREL RING: D&L 22" x 42" NO HOLE
 METER LID: CAST IRON W/ "IRRIGATION" CAST ON LID
 FORD IRON LID WA3L (OR APPROVED EQUAL)



NOTES:

INSTALL MAIN LINE DRAINS AS REQUIRED AT ALL LOW POINTS TO PROVIDE COMPLETED DRAINAGE WINTER SHUT DOWN OF IRRIGATION SYSTEM

DRAIN PIPE AND FITTING SIZES SHALL USE BEST MANAGEMENT PRACTICES (BMP), PREFERRED SIZE IS 2" DRAIN.

ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

**PRESSURIZED IRRIGATION
 DRAIN VALVE
 KUNA STANDARD DRAWING K-904**

5 1/4" LID (TYLER NO. 6855)

24" X 6" CONCRETE COLLAR -
CONCRETE COLLAR NOT NEEDED
IN GRASSED AREAS

FINISHED
GRADE

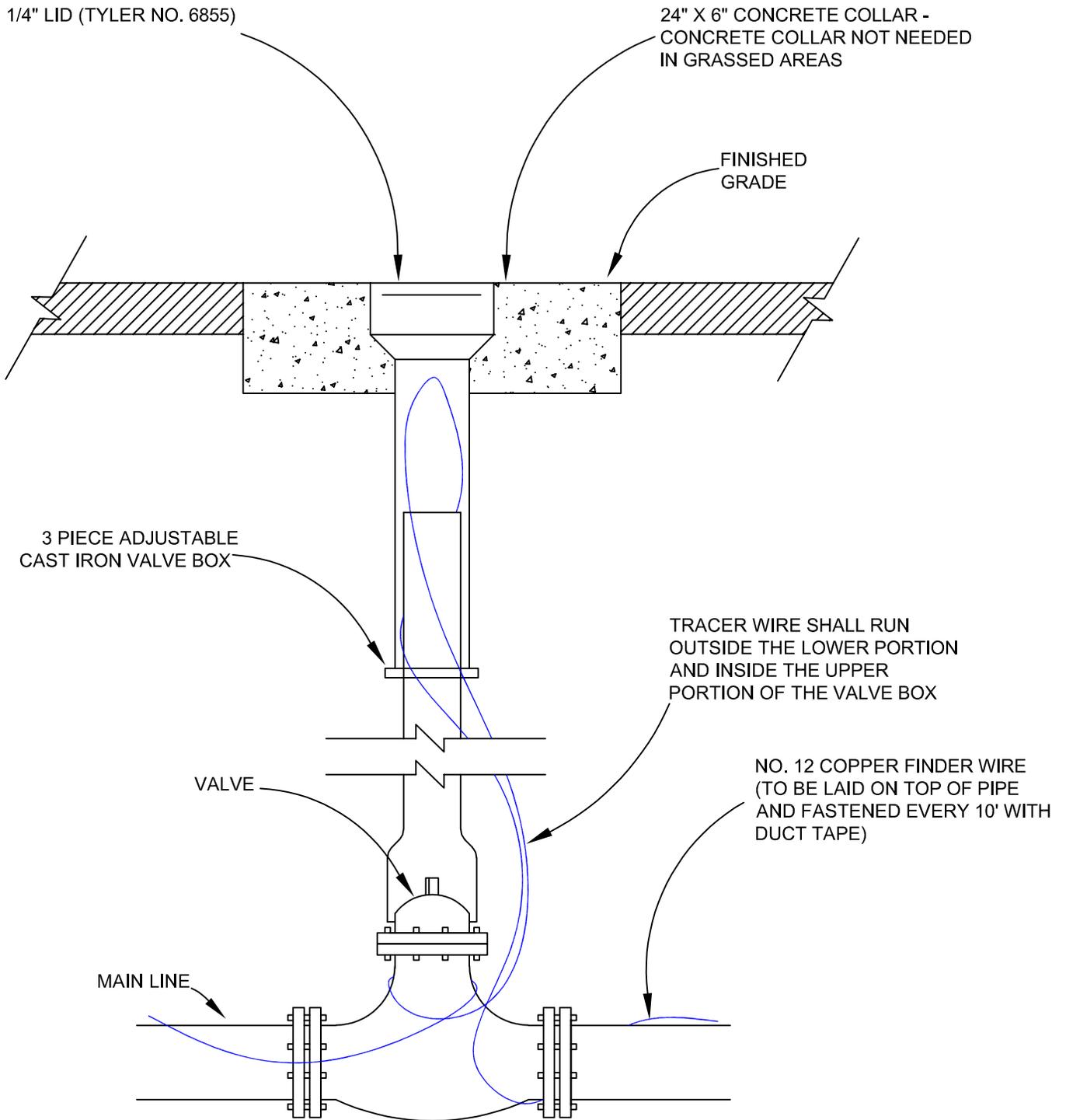
3 PIECE ADJUSTABLE
CAST IRON VALVE BOX

TRACER WIRE SHALL RUN
OUTSIDE THE LOWER PORTION
AND INSIDE THE UPPER
PORTION OF THE VALVE BOX

VALVE

NO. 12 COPPER FINDER WIRE
(TO BE LAID ON TOP OF PIPE
AND FASTENED EVERY 10' WITH
DUCT TAPE)

MAIN LINE



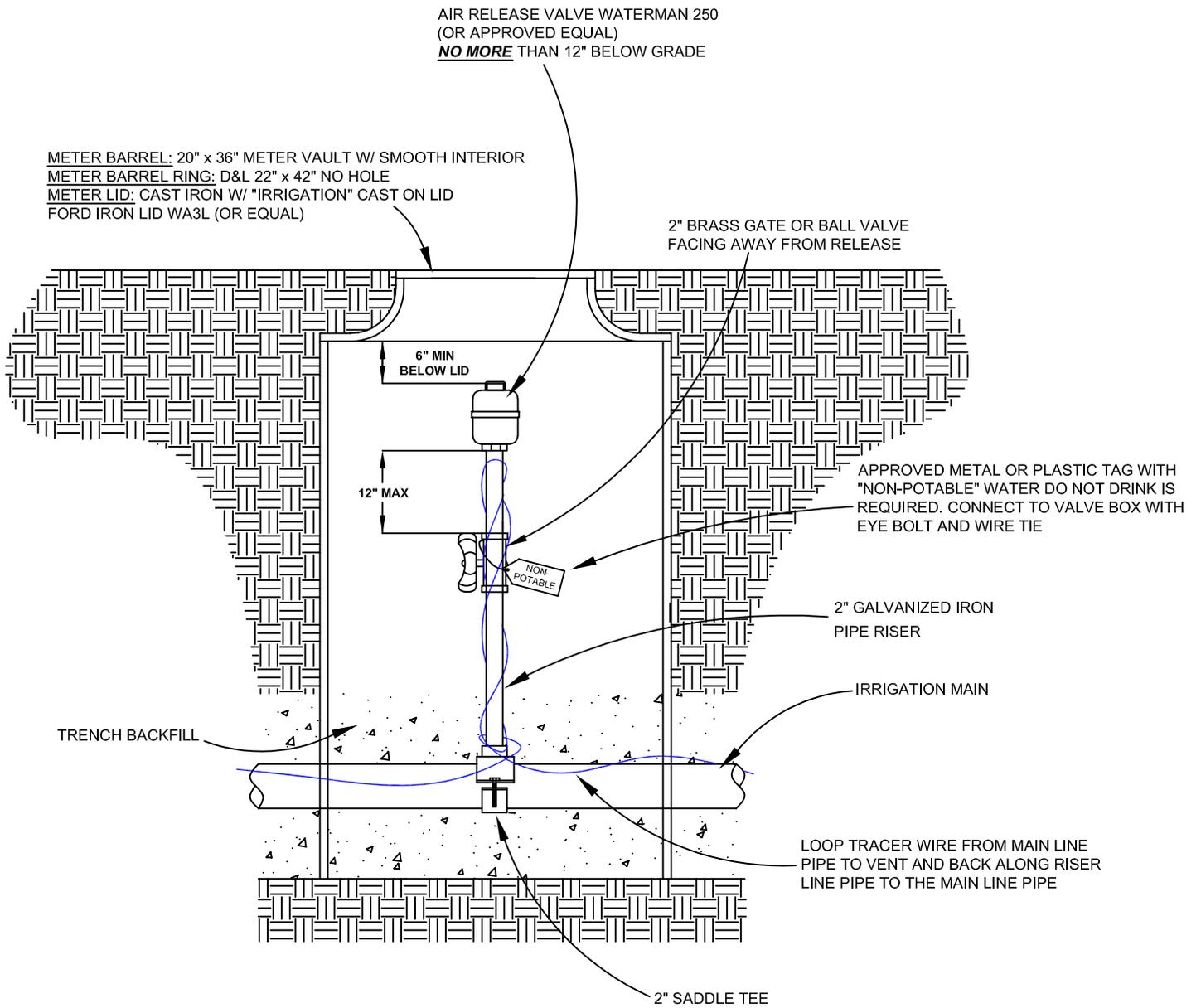
ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
(208) 287-1722 EXT. 8
www.KunaID.gov

**PRESSURIZED IRRIGATION
PRESSURE IRRIGATION (TYPICAL)
MAIN LINE VALVE
KUNA STANDARD DRAWING K-906**



ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
(208) 287-1722 EXT. 8
www.KunaID.gov

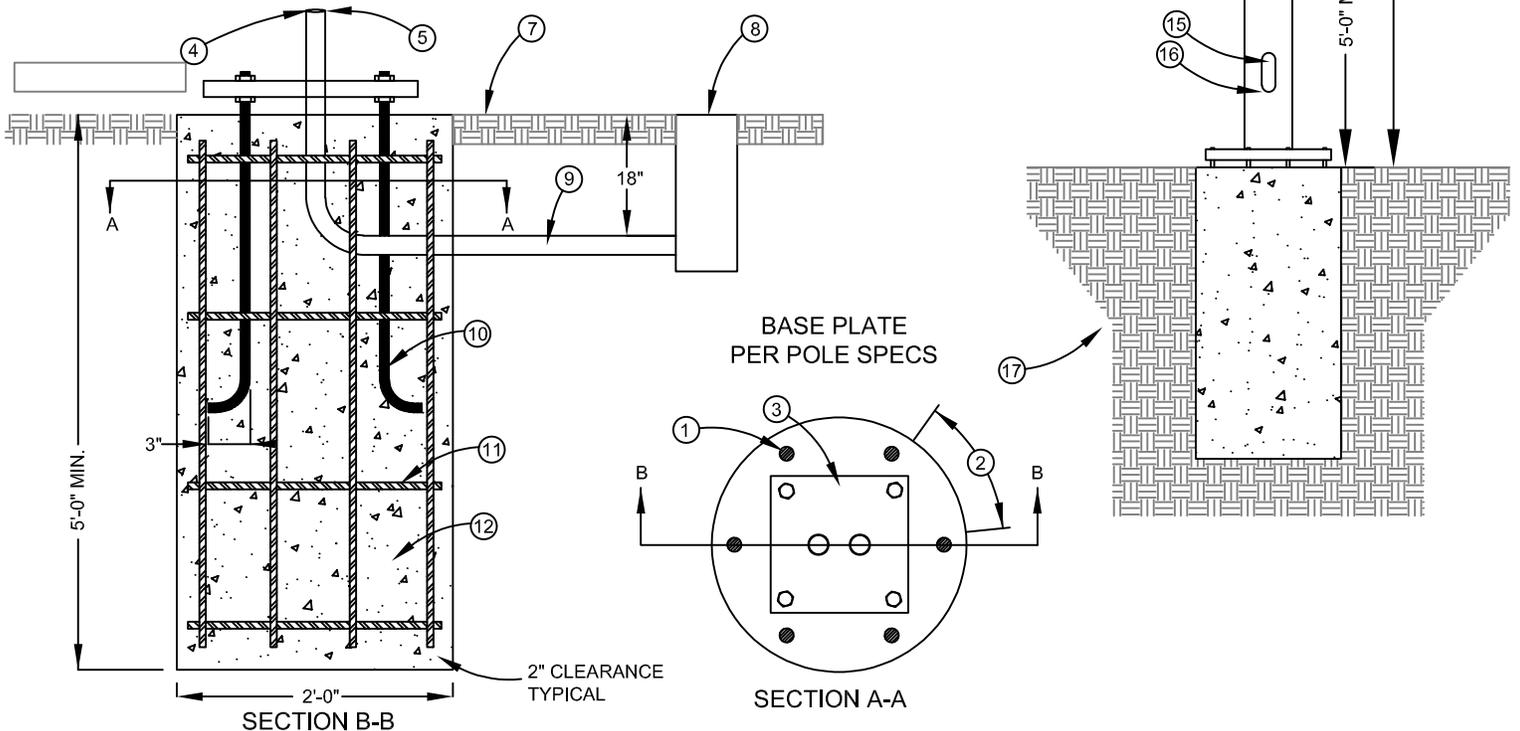
PRESSURIZED IRRIGATION
AIR RELEASE VALVE
KUNA STANDARD DRAWING K-908

LEGEND:

- ① 6-#4 VERTICAL REBAR
- ② 6" LAP
- ③ ANCHOR BOLT SIZES AND LOCATIONS PER MANUFACTURER'S SPECIFICATIONS
- ④ 4" TO 6" STUBS
- ⑤ INSULATED BUSHING REQUIRED WHEN CONDUIT IS USED PER MANUFACTURER'S SPECIFICATIONS
- ⑥ PER MANUFACTURER'S SPECIFICATIONS
- ⑦ SIDE WALK LINE OR GRADE LINE
- ⑧ J-BOX
- ⑨ 1" MINIMUM DIAMETER
- ⑩ (4) ANCHOR BOLTS WITH DOUBLE NUTS FOR PLUMBING POLE GALVANIZED, WITH AT LEAST (2) GALVANIZED NUTS AND (2) GALVANIZED WASHERS PER BOLT
- ⑪ 4-#4 REBAR HOOPS
- ⑫ C-3000 CONCRETE AS PER SECTION 700 ISPWC
- ⑬ NO SHOEBOX STYLE, METAL HALIDE OR HPS PERMITTED
SUBDIVISION INTERIOR - 45 - 60 watts
APPROVED EXAMPLES: EATON USSL-C01 OR LEOTEK AR13 N-SERIES
SUBDIVISION EXTERIOR OR R/W LIGHTS - 80 - 90 watts
APPROVED EXAMPLES: EATON USSL-C027 OR LEOTEK AR13 N-SERIES
- ⑭ BLACK COLORED STEEL SQUARE STRAIGHT LIGHTING POLES -
VALMONT DS330 - 25' - 4" - 11 GAUGE - INTERIOR SUBDIVISION
VALMONT DS330 - 30' - 5" - 11 GAUGE OR APPROVED EQUAL -
EXTERIOR R/W LIGHTS
- ⑮ FUSE LOCATION
- ⑯ WATER-TIGHT HANDHOLE
- ⑰ BACKFILL TO BE COMPACTED TO 95% OF ASTM D698
- ⑱ BLACK BACKGROUND WHITE NUMBER
VINYL STICKERS 1-1/2" X 2-1/2"

NOTES:

- (A) SEE ISPWC FOR EXCAVATION, BACKFILLING AND CONSTRUCTION OF POLE FOUNDATION, WIRING, AND ACCEPTANCE OR REJECTION OF THE WORK.
- (B) GROUND POLE TO THE SERVICE POINT VIA #6 AWG BARE WIRE PER NATIONAL ELECTRICAL CODE.
- (C) #10 AWG WIRE FROM LUMINAIRE TO FUSE.
- (D) FOR GROUNDING DETAILS SEE ISPWC SD-1117.
- (E) COLOR TEMPERATURE 3,000K TO 4,000K



ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022

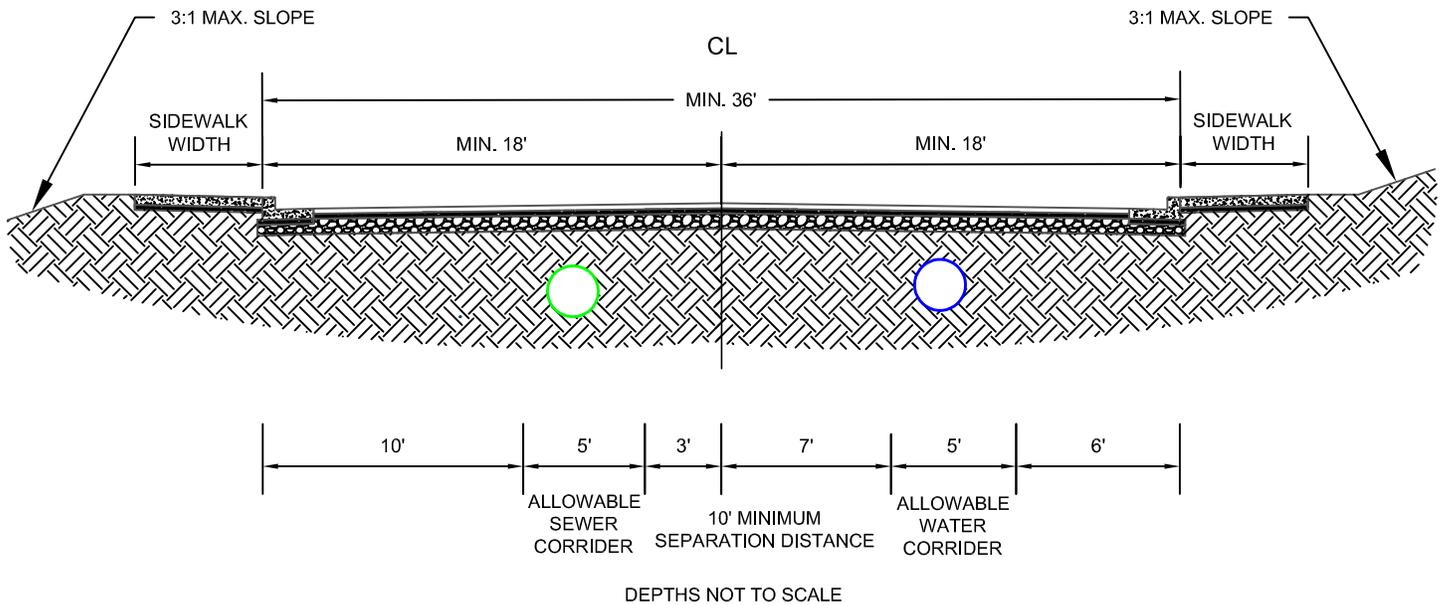


CITY OF KUNA
 (208) 287-1728
 www.KunaID.gov

**STANDARD METAL
 STREET LIGHT DETAIL**
 KUNA STANDARD DRAWING K-1116

NOTES:

- (A) TYPICAL ROADWAY SECTION IS MINIMUM 36' BACK OF CURB TO BACK OF CURB.
- (B) ALL NOTED DISTANCES ARE REQUIRED MINIMUMS.
- (C) IF APPLICABLE, SIDEWALK WIDTH IS DICTATED BY THE CITY OF KUNA PLANNING AND ZONING DEPARTMENT AND KUNA CITY CODE 5-17-13. TYPICAL SIDEWALK WIDTHS VARY BETWEEN 5' AND 10'.
- (D) WATER UTILITIES TO BE LOCATED ON NORTHERN AND EASTERN SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- (E) POTABLE WATER TO MEET SEPARATION REQUIREMENTS GIVEN BY ISPWC SD-407.
- (F) UTILITIES CAN BE LOCATED WITHIN 4' OF EDGE OF PAVEMENT TO ACCOMMODATE TRAFFIC CALMING AND LANDSCAPE ISLANDS.
- (G) PUBLIC ROADWAY PROFILE AND WIDTHS TO CONFORM TO ACHD STANDARDS AND PLAT REQUIREMENTS.
- (H) PRESSURIZED IRRIGATION AND FIBER OPTIC CORRIDORS TO BE DETERMINED IN CONSTRUCTION DRAWING REVIEW PROCESS.



VARIATIONS PERMITTED WITH CITY ENGINEER APPROVAL
 ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS



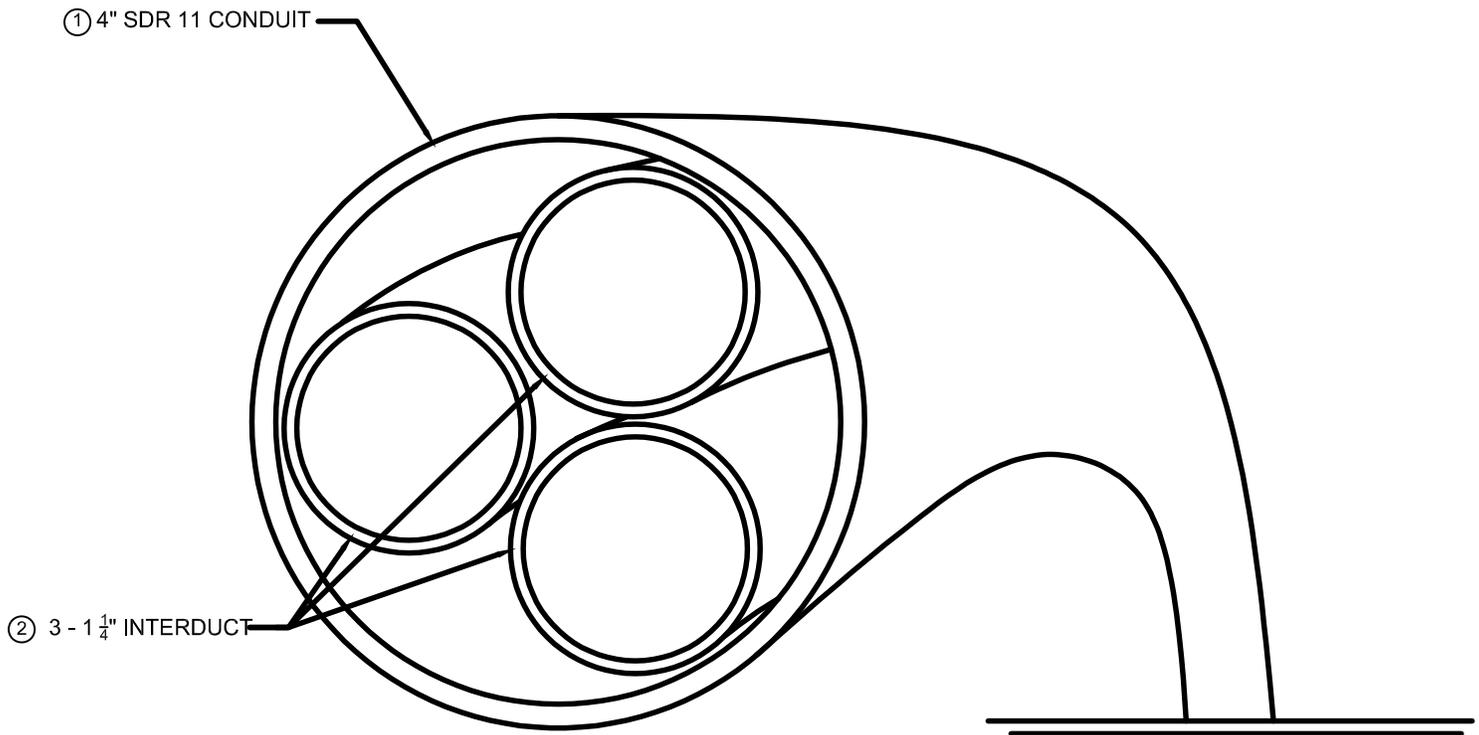
CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

**STANDARD UTILITY CORRIDOR
 DETAIL
 SEWER AND WATER
 KUNA STANDARD DRAWING K-1117**

LEGEND:

- ① 4" SDR 11 CONDUIT (TYPICAL)
- ② 3 - 1-1/4" INTERDUCTS (TYPICAL)
3 TYPICAL INTERDUCT COLORS TO BE INSTALLED - ORANGE, GREEN AND BLUE.

BLUE SHALL BE RESERVED FOR THE CITY OF KUNA
GREEN SHALL BE RESERVED FOR THE KUNA SCHOOL DISTRICT
ORANGE WILL REMAIN OPEN
- ③ HANDHOLES TO BE POLYMER CONCRETE WITH 20 K LID (COMSTAR SUPPLY OR EQUIVALENT)



ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022

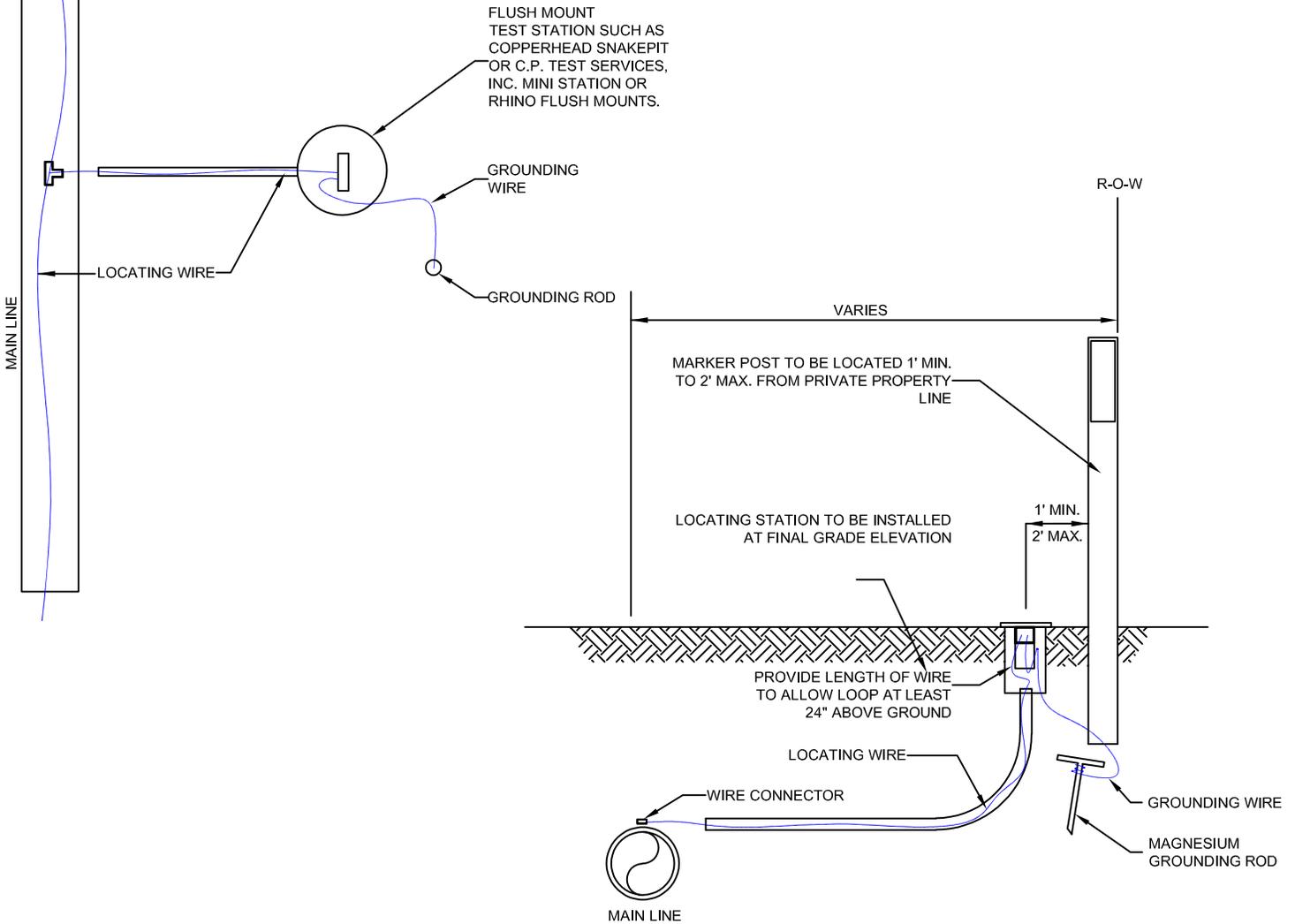


CITY OF KUNA
(208) 287-1722 EXT. 8
www.KunaID.gov

**STANDARD CITY OF KUNA
CONDUIT DETAIL
KUNA STANDARD DRAWING K-2050**

PLAN VIEW

N.T.S.



NOTES:

- (A) FLUSH MOUNT TEST STATION SHALL BE COLORED BLUE FOR POTABLE WATER, PURPLE FOR IRRIGATION WATER, GREEN FOR SEWER AND ORANGE FOR COMMUNICATIONS.
- (B) MARKER POST SHALL BE FIBERGLASS WITH POLYTECH COATING COLORED BLUE FOR POTABLE WATER, PURPLE FOR IRRIGATION WATER, GREEN FOR SEWER WATER AND ORANGE FOR COMMUNICATIONS.
- (C) PLACE LOCATING WIRE IN 1" DIAMETER POLYETHYLENE I.P.S. CLASS 200 PIPE.
- (D) LOCATING WIRE AND GROUNDING WIRE SHALL BE CONNECTED TO LOCATING PLATE TERMINALS ON TERMINAL BOARD.
- (E) ALL LOCATOR WIRE SPLICES SHALL USE PRO-TRACE DB CONNECTORS

(F) REQUIRED LOCATIONS:

WATER - A LOCATING STATION SHALL BE PLACED AT EVERY FIRE HYDRANT EXTERIOR TO THE SUBDIVISION. IF FIRE HYDRANTS ARE SPACED GREATER THAN 500', A LOCATING STATION AND MARKER POST IS REQUIRED APPROXIMATELY EVERY 500'.

PRESSURIZED SEWER - GENERALLY, THERE WILL NOT BE ANY LOCATING STATIONS OR MARKER POSTS LOCATED WITHIN THE SUBDIVISION FOR PRESSURIZED SEWER. A LOCATING STATION AND MARKER POST SHALL BE PLACED APPROXIMATELY EVERY 500' EXTERIOR TO THE SUBDIVISION.

PRESSURIZED IRRIGATION - GENERALLY, THERE WILL NOT BE ANY LOCATING STATIONS OR MARKER POSTS LOCATED WITHIN THE SUBDIVISION FOR PRESSURIZED IRRIGATION. A LOCATING STATION AND MARKER POST SHALL BE PLACED APPROXIMATELY EVERY 500' EXTERIOR TO THE SUBDIVISION.

ALL PRODUCTS AS LISTED OR APPROVED SUBSTITUTIONS

v.04/18/2022



CITY OF KUNA
 (208) 287-1722 EXT. 8
 www.KunaID.gov

**KUNA LOCATING STATION
 FOR MAIN LINES
 KUNA STANDARD DRAWING K-2000**