NOTE:
TREE STAKES SHALL EXTEND A MINIMUM OF 6" INTO UNDISTURBED SOIL.

TWO CINCH TIES OR APPROVED EQUAL

CUT OFF TO 1"–2" ABOVE HIGHEST TIE

PLANT CROWN 2–3" ABOVE GRADE

NO TURF SHALL BE PLANTED WITHIN BERM AREA

ADD 4"–6" WOOD CHIP MULCH OUT TO 30° (NOT REDWOOD OR CEDAR) KEEP MULCH 4–6" AWAY FROM TRUNK

FILL AROUND ROOT BALL WITH A MIXTURE OF SOIL AMENDMENT AND EXCAVATE SOIL AND 50% SOIL AMENDMENT. BACKFILL SHALL ALSO INCLUDE GRANULAR FERTILIZER THROUGHLY MIXED WITH SOIL AMENDMENT AND EXCAVATED SOIL AT A RATE AS SPECIFIED IN THE SPECIAL PROVISIONS.

USE SPADE TO SCORE EDGES OF PLANTING HOLE

CITY OF FOLSOM

TREE PLANTING

SCALE: NONE
DATE: FEBRUARY 2020

LS-01
STAKE ACCORDING TO PREVAILING WIND TWO 2" ROUND LODGEPOLE STAKES (UNTREATED) AND CUT BELOW PRIMARY BRANCHES. IF IN TURF AREA LESS THAN 12' IN WIDTH, STAKE TREES PARALLEL TO THE LONG WAY OF THE TURF, NOT CROSS TO THE TURF AREA.

CUT OFF 1-2" ABOVE HIGHEST TIE.

4" WATER BASIN IN PLANTING AREAS ONLY. COVER WITH 4-6" WOOD CHIP MULCH (KEEP 4-6" AWAY FROM TRUNK). NO REDWOOD OR CEDAR WOOD CHIP PERMITTED.

ARBOR GARD IN LAWN AREAS ONLY.

PLANTING DEPTH: TOP OF ROOTBALL 2-3" ABOVE FINISH GRADE. PLANT NO DEEPER THAN GROWN IN NURSERY.

BLEND INTO EXISTING SLOPE.

DO NOT TOUCH ROOTBALL WITH STAKES. HOLE SIZE: THREE TIMES AS WIDE & 12" DEEPER THAN THE ROOTBALL ON BOTH SIDES.

6" BELOW BOTTOM OF PLANTING PIT
CITY OF FOLSOM

BOXED TREE
(25” OR GREATER)

SCALE: NONE
DATE: FEBRUARY 2020

4”-6” HARDWOOD MULCH
NO MULCH WITHIN 4-6” OF TRUNK
(NO REDWOOD OR CEDAR)

4” WATER BASIN & 4–6”
MULCH OVER FINISH GRADE
IN PLANTING AREAS ONLY.

FILL AROUND ROOT BALL WITH
A MIXTURE OF SOIL
AMENDMENT AND EXCAVATE
SOIL AND 50% SOIL
AMENDMENT. BACKFILL SHALL
ALSO INCLUDE GRANULAR
FERTILIZER THROUGHLY MIXED
WITH SOIL AMENDMENT AND
EXCAVATED SOIL AT A RATE
AS SPECIFIED IN THE SPECIAL
PROVISIONS.

PREPARED BACKFILL MIX
OF 50% SOIL AMENDMENT
AND 50% EXISTING SOIL.

UNDISTURBED SOIL

CUT OFF 1–2”
ABOVE HIGHEST TIE

REMOVE NURSERY STAKE

CITY OF FOLSOM

BOXED TREE
(25” OR GREATER)

SCALE: NONE
DATE: FEBRUARY 2020

2”Ø OR 2”X2”X8’ ROUGH
DOUGLAS FIR, LODGEPOLE
STAKES OR AN APPROVED
EQUAL OUTSIDE OF ROOT
BALL (UNTREATED).

BOTH TIES TO BE NEW
RUBBER CINCH TIES
OR APPROVED EQUAL

18” MIN.

2” CALIPER OR
LARGER TREE

18” MIN.

2”Ø OR 2”X2”X8’ ROUGH
DOUGLAS FIR, LODGEPOLE
STAKES OR AN APPROVED
EQUAL OUTSIDE OF ROOT
BALL (UNTREATED).

CUT OFF 1–2”
ABOVE HIGHEST TIE

REMOVE NURSERY STAKE
#1 OR #5 SHRUB

PLANT DEPTH:
TOP OF ROOT BALL 2" ABOVE FINISH GRADE.
PLANT NO DEEPER THAN GROWN IN NURSERY

3-4" DEPTH WOOD CHIP MULCH

EARTH SAUCER:
INNER DIAMETER AS WIDE AS ROOT BALL

FINISH GRADE WITH
3-4" WOOD CHIP MULCH

PIT SIZE:
TWO TIMES AS WIDE
AND 1-1/2" DEEPER
THAN THE ROOT BALL

ROOT BALL

SLOW RELEASE GRANULAR FERTILIZER
MIXED WITH BACKFILL SOIL

UNDISTURBED SOIL

NOTES:

1. PROVIDE CITY WITH PLANTING MIXTURE SPECIFICATIONS.

2. PLANTER AREA SHOULD HAVE PRE-EMERGENT HERBICIDE
APPLIED BEFORE PLANTING TO PREVENT GERMINATION OF
WEED SEEDS.

CITY OF FOLSOM

SHRUB PLANTING

SCALE: NONE
DATE: JANUARY 2014
LS-04
EXISTING SLOPE @ 2:1 MAXIMUM

#1 OR #5 SHRUBS

4" WATER BASIN WITH 3-4" WOOD CHIP MULCH

BUBBLERS TO BE PLACED ON UPHILL SIDE OF SHRUB

COMPACT SUBGRADE

DEPTH OF ROOT BALL

SLOW RELEASE GRANULAR FERTILIZER MIXED WITH BACKFILL SOIL

TWO TIMES THE DIAMETER OF THE ROOT BALL

BACKFILL MIX SHALL CONFORM

BLEND INTO EXISTING SLOPE

NOTE:
PLANTER AREAS SHALL HAVE PRE-EMERGENT HERBICIDE APPLIED BEFORE PLANTING TO PREVENT GERMINATION OF WEED SEEDS

CITY OF FOLSOM

SHRUB PLANTING ON SLOPE

SCALE: NONE
DATE: JANUARY 2014
LS-05
NOTES:

1. THE TREE PROTECTION ZONE (TPZ) IS DEFINED BY THE RADIUS OF A CIRCLE AROUND EACH PROTECTED TREE THAT IS THE LONGEST HORIZONTAL DRIPLINE BRANCH, PLUS 1 FOOT OR THE AREA WITH A RADIUS OF 1 FOOT FOR EVERY 1 INCH OF DIAMETER AT STANDARD HEIGHT (DSH) WHICHEVER IS GREATER.

2. ROOTS MAY EXTEND UP TO 2–3 TIMES BEYOND THE BRANCHED CANOPY.

3. THIS WHOLE ROOT VENTILATION SYSTEM SHALL BE PLACED UPON UNDISRUPTED SOIL GRADE.

4. PATIO/SIDEWALK SHALL BE MINIMALLY 3 1/2" THICK CLASS B CONCRETE.

5. CONCRETE / DRIVEWAYS / VEHICLE PARKING:
   A. SHALL BE CLASS B WITH A THICKNESS OF 4" (5" FOR POROUS CONCRETE/ 3" FOR ASPHALT).
   B. SHALL HAVE A MINIMUM THICKENED EDGE OF 6" WITH #4 REBAR @ ALL EDGES. REBAR LAP JOINTS OF 40 BAR DIAMETERS (NO REBAR FOR POROUS CONCRETE).
   C. HAVE A 6"X6" WELDED WIRE MESH (WWM) THROUGHOUT (NO WWM FOR POROUS CONCRETE).
   D. SLOPED TO DRAIN AWAY FROM TREE.
   E. FINAL STRUCTURAL DESIGN BY OWNER'S ENGINEER OR ARCHITECT.

6. FILL SOIL MAY VARY INDEPTH OVER AERATION SYSTEM.

CITY OF FOLSOM

CONCRETE / ASPHALT / ENGINEERED FILL OVER TREE ROOTS

SCALE: NONE
DATE: FEBRUARY 2020
LS-06
NOTES:
1. CITY OF FOLSOM APPROVED TREE ROOT BARRIERS SHALL BE 16 MESH (0.011 INCH DIAMETER) COPPER MESH IF A TREE IS LOCATED LESS THAN THE MINIMUM DISTANCE TO INFRASTRUCTURE AS LISTED ON THE FOLSOM MASTER TREE LIST (FMTL).
2. ROOT BARRIER SHALL BE INSTALLED A MINIMUM OF 23" INTO GROUND BELOW FINISH GRADE, AND 1" ABOVE FINISH GRADE (24" TOTAL HEIGHT).
3. MINIMUM ROOT BARRIER LENGTH SHALL BE 10' CENTERED ON A TREE WITH A MATURE HEIGHT OF 15' TO 25' (APPROXIMATE TREE HEIGHT AT MATURITY AS LISTED ON THE FMTL).
3. MINIMUM ROOT BARRIER LENGTH SHALL BE 15' CENTERED ON A TREE WITH A MATURE HEIGHT OF 26' TO 45' (APPROXIMATE TREE HEIGHT AT MATURITY AS LISTED ON THE FMTL).
3. MINIMUM ROOT BARRIER LENGTH SHALL BE 20' CENTERED ON A TREE WITH A MATURE HEIGHT OF 46' OR TALLER (APPROXIMATE TREE HEIGHT AT MATURITY AS LISTED ON THE FMTL).
NOTES:

1. The Tree Protection Zone is the area created by a circle projected from the center of the tree to 1' beyond the furthest reaching branch or an area with a radius of 1' for every inch of Diameter at Standard Height (DBH), whichever is greater.

2. The drip line is the perimeter of the area covered by the tree’s canopy.

3. Trenching shall be done manually when directional boring underneath the below ground tree protection zone cannot be achieved.

4. All directional boring or manual trenching within the tree protection zone shall be done under the supervision of a certified arborist.

CITY OF FOLSOM

BORING WITHIN TREE PROTECTION ZONE

SCALE: NONE
DATE: FEBRUARY 2020

LS-08
10" DIAMETER LID WITH LOCKABLE COVER SHALL HAVE THE LETTERS "QCV" HEAT BRANDED TO A HEIGHT OF 2 INCHES.

QUICK COUPLING VALVE OR APPROVED EQUAL SEE PROJECT SPECIFICATIONS FOR MANUFACTURER AND MODEL NUMBER.

NOTES:
1. SEE SECTION 8.5.F FOR VALVE BOX INSTALLATION DETAILS.
2. USE TEFLOM TAPE ON ALL THREADED CONNECTIONS.
3. INSTALLTION OF SWING JOINTS SHALL BE ON A 30°-45° ANGLE TO HORIZONTAL.
4. PROVIDE A MINIMUM OF 2" CLEARANCE BETWEEN BOTTOM OF LID AND QCV.
5. ALL PIPE NIPPLES SHALL BE MACHINED.
NOTES:
1. INSTALLATION OF SWING JOINTS SHALL BE ON A 45° ANGLE TO HORIZONTAL.
2. ALL TEES, ELLS, 90°'S, AND 45°'S 2" OR GREATER SHALL BE SCHEDULE 80 PVC.
3. ALL NIPPLES SHALL BE SCHEDULE MACHINED.
4. USE A MINIMUM OF 3 TURNS OF TEFLOM TAPE ON ALL THREADED CONNECTIONS.
NOTE:

1. FLEXIBLE RISERS SHALL BE PREMANUFACTURED
2. ALL NIPPLES SHALL BE MACHINED.
3. USE 3 TURNS OF TEFLOM TAPE ON ALL THREADED CONNECTIONS.
NOTES:

1. LOCATE HEAD 2" FROM WALKS, CURBS, HARDSCAPING, MOW STRIPS, AND HEADER BOARDS

2. LOCATE STREAM SPRAY / BUBBLERS 6" FROM ALL STRUCTURES, AND SPRAY HEADS 12" FROM ALL STRUCTURES, BUT 6" FROM ALL STRUCTURES IN GROUND COVER AREAS.

3. USE TEFLOAN TAPE ON ALL THREADED FITTINGS INCLUDING MARLEX FITTINGS.
NOTES
1. REMOTE CONTROL VALVE WITH FILTER REGULATOR
2. IRRIGATION VALVE BOX: HEAT STAMP OR ENGRAVE LID WITH 'RCV' IN 2" LETTERS
   (CONTACT CITY FOR NUMBERING SEQUENCE)
3. WATERPROOF CONNECTORS (2)
4. 18"-24" COILED WIRE TO CONTROLLER
5. FINISH GRADE AT ADJACENT SURFACE (TURF OR MULCH)
6. SCH. 80 CLOSE NIPPLE, MATCH SIZE TO VALVE
7. SIDE MOUNTED FULL PORT BALL VALVE, SIZE AND TYPE PER PLAN
8. BRICK SUPPORTS (4)
9. FILTER FABRIC – WRAP AROUND BRICK SUPPORTS
10. 3/4" WASHED GRAVEL – 4" MIN. DEPTH
11. IRRIGATION LATERAL
12. MAINLINE LATERAL AND FITTINGS
NOTE:
EMITTERS SHALL BE PRESSURE COMPENSATING.
NOTE:
1. EMITTERS SHALL BE PRESSURE COMPENSATING
2. MAXIMUM LENGTH OF DISTRIBUTION TUBING 6'
3. USE TEFLOM TAPE ON ALL THREADED CONNECTIONS

CITY OF FOLSOM
DRIP IRRIGATION
MULTI-OUTLET EMITTERS

SCALE: NONE
DATE: FEBRUARY 2020
NOTE
USE TEFLOM TAPE ON ALL THREADED CONNECTIONS
NOTES:

1. INSTALL FLOW SENSOR A MINIMUM OF 12" FROM STRUCTURES OR HARDSCAPING.
2. INSTALL FLOW SENSOR IN PLANT BEDS WHEREVER POSSIBLE.
3. PLACE VALVE BOX AT RIGHT ANGLE TO STRUCTURES OR HARDSCAPING.
4. SENSOR CABLE SHALL BE BROUGHT BACK TO CONTROLLER IN 1 1/2" TO 1 5/8" GRAY SCH. 40 PVC CONDUIT.

CITY OF FOLSOM

FLOW SENSOR

SCALE: NONE
DATE: FEBRUARY 2020
NOTES:

1. FLOW SENSOR SHALL BE INSTALLED WITH INSERT (TOP) POSITIONED VERTICALLY AND BODY (TEE) POSITIONED HORIZONTALLY.

2. FLOW SENSOR CABLE SHALL BE RUN IN 1 ¼” TO 1 ½” PVC CONDUIT FROM FLOW SENSOR TO CONTROLLER ENCLOSURE.

3. CONNECTIONS SHALL BE WATER PROOF WITH POLARITY NOTES ON SENSOR CABLE HOOK-UP.

4. FITTING OR REDUCER COUPLINGS SHALL BE SCHEDULE 80.

5. SENSOR CABLE SHALL BE PAIGE ELECTRIC P7162D OR APPROVED EQUAL.
NOTES:
1. PLACE 6" OF $\frac{3}{4}$" DRAIN ROCK PRIOR TO INSTALLATION OF VALVE BOX.
2. BALL VALVE SHALL BE FULL PORT.
3. BALL VALVE AND FITTINGS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
4. USE TEFLONE TAPE ON ALL THREADED FITTINGS.
5. INSTALL VALVE SIDEWAYS SO HANDLE PULLS UP TO SHUTOFF.
NOTES:
1. ALL TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 90% RELATIVE COMPACTION.
2. MINIMUM DEPTH OF PIPE/SLEEVE/CONDUIT UNDERNEATH PAVEMENT SHALL BE 24".
3. WHEN A 2-WIRE CONTROLLER IS USED CONTROL WIRE SHALL BE INSTALLED IN A MINIMUM 1 1/2"-1 1/2" PVC CONDUIT.
4. SAND BEDDING SHALL BE USED AROUND CONDUITS.
CITY OF FOLSOM

LANDSCAPE SLEEVES UNDER PAVEMENT

SCALE: NONE
DATE: FEBRUARY 2020

Notes:
1. All sleeves to be schedule 40 PVC.
2. Extend all sleeves 12" beyond edge of hardscaping at both ends, cap ends and flag locations, and notch curb, sidewalk or pavement for future location.

SEE STANDARD DETAIL RD-21 FOR TRENCH CROSSING EXISTING STREET.

Trench bedding & backfill per city standards.

Control wire sleeve under paving. Size as req'd. Install adjacent to pressure main line.

Non pressure lateral line sleeve under paving (twice diameter of non pressure lateral line)

Main line sleeve (under paving) size twice diameter of pressure main line.

#10 awg insulated tracer wire

NOTES:

6" typ.
LOCKABLE ENCLOSURE DOOR, PROVIDE LOUVERS FOR VENTILATION.

ENCLOSURE SHALL BE MOUNTED ON A 6" THICK CONCRETE BASE WITH ANCHOR BOLTS PER MANUFACTURER'S RECOMMENDATIONS. BASE SHALL EXTEND 6" FROM EACH SIDE OF ENCLOSURE.

MOISTURE SENSOR CONTROL PANEL

GFI WATERPROOF 120 VOLT DUPLEX BOX WITH RECEPTACLE & ON/OFF SWITCH

20 AMP RESET CIRCUIT BREAKER IN WATERPROOF BOX.

WATERPROOF PANEL BOARD ATTACHED TO BACK OF ENCLOSURE WITH WING-NUTS.

TERMINAL STRIPS FOR VALVE HOOK-UP

WALL MOUNTED CONTROLLER

RAIN SHUT OFF WITH VANDAL RESISTANT ENCLOSURE

6" TYP

36" MIN.

120 VOLT WIRE IN CONDUIT

SCHEDULE 80 PVC SWEEP ELLS

MOISTURE SENSOR WIRES (DEPTH PER MANUFACTURER SPECIFICATION) IF APPLICABLE

HINGE SIDE

DOOR ARCH

PLAN VIEW

CITY OF FOLSOM

IRRIGATION CONTROLLER ENCLOSURE

SCALE: NONE
DATE: FEBRUARY 2020
NOTES:

1. INSTALL CONTROL VALVES A MINIMUM OF 12" FROM STRUCTURES OR HARDSCAPING. NO TREES WITHIN 6' OF UNIT BOX.

2. INSTALL VALVES IN PLANT BEDS WHEREVER POSSIBLE.

3. PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPING.

4. SEE SECTION 8.5.F FOR VALVE BOX INSTALLATION DETAILS.

5. USE TEFLOM TAPE ON ALL MALE THREADS.

6. BOLT DOWN LID TYPE CARSON INDUSTRIES - OLD CASTLE PRECAST 1419-12-GREEN OR PURPLE WITH BOLT AND T-LID WITH LIFT OR APPROVED EQUAL.

7. LINE BOX WITH LANDSCAPE FABRIC
NOTE:
1. ALL WIRE TO BE INSTALLED AS PER LOCAL CODE.
2. TAPE AND BUNDLE WIRE EVERY 10'.
3. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX (WRAP AROUND 1/2” PIPE 24 TIMES).
4. ALL SCHEDULE 80 PIPE NIPPLES SHALL BE MACHINED.
5. LINE BOX WITH LANDSCAPE FABRIC.

CITY OF FOLSOM

SOLENOID VALVE

SCALE: NONE
DATE: FEBRUARY 2020
LS-24
NOTES:

1. ALL METALLIC CONDUITS TERMINATING INSIDE THE PEDESTAL SHALL BE PROVIDED WITH GROUNDING BUSHINGS.

2. BOND ALL GROUNDING BUSHINGS, PEDESTAL ENCLOSURE AND THE NEUTRAL PLATE TO THE GROUND WITH COPPER CONDUCTORS. SIZED AS REQUIRED BY ARTICLE 250-79.

- REMOVABLE RAIN CAP WITH NEOPRENE GASKET TO BE USED FOR TOP OF SERVICE SECTION WHEN METER IS NOT REQUIRED.
- WELD 1/2" BOLTS TO BOTTOM OF RAIN CAP & BOLT CAP TO SERVICE CAN OR METER SECTION.

SERVICE SECTION WITH HINGED DEAD FRONT DOOR & HINGED OUTSIDE DOOR EQUIPED WITH PADLOCKABLE DRAW LATCH. NEMA III R CONSTRUCTION EQUIPMENT TO BE MOUNTED ON PAN IN REAR HINGED FRONT DOOR (NEOPRENE GASKET REQUIRED)

- REMOVABLE METER SECTION INCLUDING METER SOCKET WITH MANUAL CLOSING DEVICE PER SMUD REQUIREMENT.
- HAND-OFF-AUTO SELECTOR SWITCH
- PADLOCKABLE DRAW LATCH

- STUD WELDED TO BARRIER (2 REQUIRED)
- SOLID NEUTRAL
- GROUND BUSHING (SEE NOTE ABOVE)
- 12 GAGE STEEL (GREEN COLOR)
- APPROVED GROUND CLAMP, FILL IN VOID SPACE UNDER BASE WITH MORTAR
- 1/8" R (TYPICAL)
- 1/2"X18" GALVANIZED ANCHOR ROD (4 REQUIRED)

CONCRETE FOUNDATION (TOP 2" ABOVE FINISH GRADE)

- 3/8" MOUNTING SLOTS
- 4" MOUNTING SLOTS
- LINE 5/2 LOAD

CITY OF FOLSOM
ELECTRICAL SERVICE PEDESTAL

SCALE: NONE
DATE: FEBRUARY 2020
LS-25
1. Metering per SMUD requirements.
2. TESCO 24–200 enclosure, or approved equal, painted ranch green.
3. Padlockable and sealable meter cover with wire glass below test block perch.
4. Test block perch.
5. Lexan photocell window with metal vandal guard.
7. Raceway cover with padlockable and sealable hasp.
8. Irrigation controller provided and installed by landscape contractor.
9. 9/16” x 1/8” mtg. slot
   SMUD service entrance wireway
   Concrete foundation enclosure
   Lighting controls area
   Irrigation conduit area
10. 20.7” O.C.
11. 24” 28” 6”
12. 3/8” x 18” anchor bolt with toe (4–typ)
13. 34” 30” 2”
   26” O.C.
   24”
   24”
   36” of meter

CITY OF FOLSOM

ELECTRICAL SERVICE PEDESTAL WITH COMBINED IRRIGATION AND LIGHTING CONTROLS

SCALE: NONE
DATE: FEBRUARY 2020
LS–26
CONTRACTOR TO FURNISH AND LEAVE TIED TO POLE:

1. CONDUCTORS CUT TO REACH 2' ABOVE SMUD MIDDLE SECONDARY BACK OR IF CROSS ARM CONSTRUCTION 4' ABOVE CROSS ARM.
2. CONDUIT TO MEET SMUD REQUIREMENTS.
3. NOTIFY SMUD FOR CONNECTION.

NOTES:
1. SERVICE RISER & ELBOW TO CUSTOMER SERVICE PANEL SHALL BE IN ACCORDANCE WITH APPLICABLE BUILDING CODES EXCEPT THAT ALUMINUM CONDUIT SHALL NOT BE INSTALLED BELOW GROUND.
2. 1½" CONDUIT MAY BE USED FOR SERVICE PANELS HAVING A MAIN DISCONNECT OF 125 AMPS OR LESS.
3. IF CABLE IS DIRECT BURIED – PROVIDE SLACK IN CABLE AT CONDUIT ENTRANCE TO ALLOW FOR SOIL SETTING.
4. SERVICE PEDESTAL SHALL BE AS INDICATED IN THE SPECIFICATIONS OR IN THE DRAWINGS.
1. All material specifications such as type of sprinkler equipment, pipe, fittings, conduit, wiring, valve boxes, risers etc. shall be as specified on irrigation plan.
NOTE:
ALL MATERIAL SPECIFICATIONS SUCH AS TYPE OF SPRINKLER EQUIPMENT, PIPE, FITTINGS, CONDUIT, WIRING, VALVE BOXES, RISERS, ETC. SHALL BE AS SPECIFIED ON IRRIGATION PLAN.
NOTES:

1. LOCATE BRASS MARKERS DIRECTLY ABOVE THE UNDERLYING SEWER OR WATER LINE. SPACE MARKER LOCATIONS EVERY 150 LINEAL FEET ALONG THE LENGTH OF THE SEWER MAIN. SEE PLANS FOR DENOTATION OF MARKER LOCATIONS.

2. BRASS MARKER & ATTACHED REBAR TO BE CENTERED IN THE CONCRETE CYLINDER. SET BOTH IN FRESH CONCRETE AT TIME OF POURING.

3. MARKER LABELING TO CORRESPOND WITH THE TYPE OF MAIN IT IS ABOVE. MARKERS ABOVE THE SEWER LINE TO BE STAMPED "SEWER MAIN"; MARKERS ABOVE THE WATER LINE TO BE STAMPED "WATER MAIN".

CITY OF FOLSOM

SEWER & WATER LINE MARKER IN LANDSCAPED AREAS

SCALE: NONE
DATE: FEBRUARY 2020
LS-30
OLDCASTLE PRECAST 1419–12–GREEN OR PURPLE (AS REQUIRED) 14" X 19" X 12"
WITH BOLT AND T-LID WITH LIFT OR APPROVED EQUAL

910–10–4B: 10" ROUND GREEN OR PURPLE (AS REQUIRED) OR APPROVED EQUAL

NOTE:

1. QUICK COUPLING VALVE SHALL BY PLACED IN ROUND VALVE BOX WITH LOCKING BOLT.

2. REMOTE CONTROL VALVE ASSEMBLY SHALL BY PLACED IN RECTANGULAR VALVE BOX WITH LOCKING BOLT.

3. PLACE REMOTE CONTROL VALVE ASSEMBLY IN SHRUB/GROUNDCOVER AREA WHENEVER POSSIBLE.

4. SET VALVE BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF PLANTER.

5. SET ALL GROUPING OF VALVE BOXES AT SAME LEVEL ABOVE GROUND.

6. ALL VALVE BOXES SHALL HAVE A MINIMUM CLEARANCE OF 6" BETWEEN THE RIM OF THE BOX AND THE VALVES INSIDE.

7. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.

8. BRAND VALVE NUMBER IN TOP OF BOX.
NOTE:
1. THE ENDS OF THE CONDUIT SHALL BE CAPPED UNTIL PULLING OF CONDUCTORS IS STARTED.
LEGEND:
1. REFER TO CONSTRUCTION DOCUMENTS FOR MODEL NO. AND COLOR.
2. EMBED STEEL SUPPORT IN CONCRETE PER MANUFACTURER'S SPECIFICATIONS. CONSTRUCT CONCRETE PAD PER CITY STANDARD SPECIFICATIONS.
3. CHRISTY B16 CONCRETE UTILITY BOX WITH 12'' EXTENSION & B16C LID. SET FLUSH WITH PAVEMENT. INSTALL IN SHRUB/GROUNDCOVER AREA IF IMMEDIATELY ADJACENT TO FOUNTAIN LOCATION.
4. 1'' SCHEDULE 40 PVC DOMESTIC SUPPLY LINE. REFER TO IMPROVEMENT PLAN FOR LOCATION.
5. 6'' LAYER OF 3/4'' DRAIN ROCK.
6. 3/4'' GATE VALVE.
7. 1''X1''X1'' TSS SCH 80 PVC TEE. PROVIDE THREADED PLUG FOR DRAINING LINE. PROVIDE 1''X3/4'' REDUCER AFTER TEE TO CONNECT TO 3/4'' NYLON WATER SUPPLY TO FOUNTAIN.
8. 3/4'' REINFORCED NYLON WATER SUPPLY TUBING. INSTALL IN PVC SWEEP BETWEEN FOUNTAIN AND UTILITY BOX.
9. 3'' PVC DRAINLINE, LENGTH AS REQUIRED.
10. 3'' CLEAN-OUT IN CHRISTY N30 VAULT WITH B30D LOCKING LID.
11. 3'' P-TRAP WITH BELL END TAIL PIECE TO PROVIDE AIR GAP BETWEEN 1 1/2'' AND 3'' DRAIN PIPE.
**LEGEND:**

1. REFER TO CONSTRUCTION DOCUMENTS FOR MODEL NO. AND COLOR.
2. EMBED STEEL SUPPORT IN CONCRETE PER MANUFACTURER'S SPECIFICATIONS. CONSTRUCT CONCRETE PAD PER CITY STANDARD SPECIFICATIONS.
3. CHRISTY B16 CONCRETE UTILITY BOX WITH 12" EXTENSION & B16C LID. SET FLUSH WITH PAVEMENT. INSTALL IN SHRUB/GROUND COVER AREA IF IMMEDIATELY ADJACENT TO FOUNTAIN LOCATION.
4. 1" SCHEDULE 40 PVC DOMESTIC SUPPLY LINE. REFER TO CONSTRUCTION DOCUMENTS FOR LOCATION.
5. 6" LAYER OF 3/4" DRAIN ROCK.
6. 1/2" GATE VALVE.
7. 1"x1"x1" TSS SCHEDULE 80 PVC TEE. PROVIDE THREADED PLUG FOR DRAINING LINE. PROVIDE 1"x1/2" REDUCER AFTER TEE TO CONNECT TO 1/2" NYLON WATER SUPPLY TO FOUNTAIN.
8. 1/2" REINFORCED NYLON WATER SUPPLY TUBING. INSTALL IN PVC SWEEP BETWEEN FOUNTAIN AND UTILITY BOX.
9. 1/2" SCHEDULE 40 PVC DRAINLINE, LENGTH AS REQUIRED.
10. CLEAN-OUT: 12" DIAMETER ROUND CONCRETE BOX WITH CONCRETE LID AND BOTTOM.
11. 4" DIAMETER X 10' DEEP SUMP FILLED WITH CLEAN 3/4" DRAIN ROCK. REFER TO CONSTRUCTION DOCUMENTS FOR LOCATION.
12. WATER HEIGHT ADJUSTED THROUGH HOLE IN PUSH BAR SCREWDRIVER.
13. COMPACT SUBGRADE, 6" DEPTH, 95% RELATIVE COMPACTION.
NON-MOVABLE PICNIC TABLE APPROVED BY ENGINEER OR AS SPECIFIED. INSTALL PER MANUFACTURERS SPECIFICATIONS.

MINIMUM 0.5% SLOPE, 2% MAXIMUM AWAY FROM POST (TYP.)

CONCRETE FOOTING

CONCRETE PAVING

COMPACT SUBGRADE TO 95% RELATIVE COMPACTION

CITY OF FOLSOM

PICNIC TABLE

SCALE: NONE
DATE: FEBRUARY 2020
LS-35
CITY OF FOLSOM

TRASH CAN TIE-DOWN

SCALE: NONE
DATE: FEBRUARY 2020
LS-36
NOTES:
1. PROVIDE WEAKENED PLANE JOINTS 1" AT AN INTERVAL OF THE WIDTH OF THE WALK. (I.E. 4' WIDE WALK – 4' ON CENTER; 6' WIDE WALK – 6' ON CENTER, ETC.)

2. PROVIDE 1 1/2" DEEP SCORE JOINTS AT 12' ON CENTER AND WHERE PATH JOINS EXISTING CONCRETE.

3. ALL CONCRETE SHALL BE CLASS B.

4. CONCRETE SHALL HAVE A MEDIUM BROOM FINISH UNLESS SPECIFIED OTHERWISE.
1. Finish grade shall be 1" below top of header.
2. Concrete header with ½" radius tooled edges (1" deep tooled joints @ 12' on center).
3. #3 (5/8") rebar continuous with 20" lap joint.
4. Decomposed granite 4" deep with stabilizer compacted in 2" lifts to 95%.
6. Subgrade shall be compacted to 95% relative compaction.

Note:
Use of a headerboard per city standard detail LS-45 may be used in lieu of the 6" x 6" concrete header upon city approval.
NOTES:
1. STRUCTURAL SECTIONS MAY INCREASE AS DICTATED BY THE SITE SPECIFIC GEOTECHNICAL REPORT.
2. SEE CONSTRUCTION DOCUMENTS FOR USE OF SOIL STERILANTS.
3. SLOPE OF SHOULDER SHALL NOT EXCEED 5:1.
EXPANSION JOINTS AS REQUIRED

\( \frac{1}{2} \) IN LAWN AREA;
1" IN PLANTING AREA:

FINISHED GRADE

CONCRETE BAND

SUBGRADE COMPACTED TO 95% RELATIVE COMPACTION

CLASS A CONCRETE, 6 SACK

\( \frac{1}{2} \times \frac{3}{4} \) TOOLED SCORELINE

EXPOSED AGGREGATE PAVING

\( \frac{1}{2} \) METAL EXPANSION JOINT

CLASS 2 AGGREGATE BASE

NOTES:

1. REFER TO APPROVED IMPROVEMENT PLANS FOR AGGREGATE Specs.

2. REFER TO LAYOUT AND CONSTRUCTION PLANS AND APPROPRIATE DETAILS FOR LOCATION OF EXPANSION JOINTS AND SCORELINES.

CITY OF FOLSOM

EXPOSED AGGREGATE PAVING

SCALE: NONE
DATE: FEBRUARY 2020

LS-40
DESCRIPTION: BLUE EMBER COLLAPSIBLE BOLLARD WITH PADLOCK
MODEL: MAXIFORCE MC–SP–SS1–U, STANDARD PADLOCK, STYLE 1 HEAD, UNIVERSAL BASE OR APPROVED EQUAL

OR APPROVED EQUAL

DESCRIPTION: BLUE EMBER COLLAPSIBLE BOLLARD
MODEL: MAXIFORCE MC–SW–SS1–U, STANDARD WRENCH, STYLE 1 HEAD, UNIVERSAL BASE OR APPROVED EQUAL

NOTES:
1. TYPE 2 P–180 IS THE PREFERRED TYPE FOR PARKS & RECREATION PROJECTS.
2. BOLLARDS SHALL BE SPACED AT THREE FEET ON CENTER ACROSS PATHWAY.
3. ALL PARTS SHALL BE PAINTED WITH TWO A COAT OF ZINC CHROMATE PRIMER AND TWO COATS OF EXTERIOR ENAMEL COLOR: YELLOW.
4. BOLLARDS SHALL LAY FLAT WHEN FOLDED.
1. Joints shall be welded.
2. Provide 2 – 2 7/8" dia. steel posts for locking gate in open & closed position.
3. Paint with two coats primer & two coats yellow enamel.
4. All pipes specified are outside diameter.
NOTES:

1. ALL PIPES SPECIFIED ARE OUTSIDE DIAMETER, AND SHALL BE BLACK STEEL PIPE.

2. JOINTS SHALL BE WELDED.

3. ALL STEEL TO BE PAINTED WITH 2 COATS OF PRIMER AND 2 COATS INSIGNIA YELLOW.

4. PROVIDE 2 - 2" X 5.563" O.D. PIPE AND INSTALL WITH CONC. FOOTING (12" X 24" D.) FOR TIE-DOWN WHEN GATE IS OPENED.
NOTE:

1. PROVIDE CONCRETE FOOTINGS AT ALL POSTS, CLASS B.
NOTES:
1. STRIPING SHALL CONFORM WITH CALTRANS STANDARD PLANS
2. STRIPING TO BE YELLOW.

CITY OF FOLSOM
BIKE PATH STRIPING
& BOLLARD PLACEMENT

SCALE: NONE
DATE: FEBRUARY 2020
LS-45
**NOTES:**

1. PROVIDE CONCRETE FOOTINGS AT ALL END POSTS, AT ALL BENDS AND AS SPECIFIED ON APPROVED PLANS.

2. USE 7/8" x 2" GALVANIZED U-BOLTS FOR GALVANIZED CONNECTION AND SPLICES. ALL CLIPS SHALL BE PLACED WITH NUTS FACING DOWNWARD.
NOTES:
1. USE 2 - 1" X 4" COMPOSITE ON ALL CURVES (WHERE NECESSARY).
2. INSTALL ALL STAKES AND SPLICES ON PLANTING SIDE OF HEADER BOARD.
3. ALL NAILS OR SCREWS SHALL BE GALVANIZED.
1. Concrete walk or slab. When adjacent to planting area/turf finish grade should be 1" below top of header.

2. Cold joint.

3. Concrete shall have a 2,500 PSI strength rating. 1 1/2" deep tooled joints on 6' intervals. Align with adjacent sidewalk/paving joints where possible.

4. #4 rebar at 24" on center.

5. 12" minimum deep play surface.

6. Nonwoven filter fabric (specifications shall meet AASHTO M288-06 nonwoven geotextiles, Class 3), overlap joints 12".

7. 3" gravel base.

8. Compact subgrade to 90% relative compaction.

9. #4 rebar continuous.

Ramp Access

CITY OF FOLSOM
PLAY AREA
CONTAINMENT CURB

SCALE: NONE
DATE: FEBRUARY 2020
LS-48
NOTES:
1. PROVIDE 1 1/2" EXPANSION JOINTS 1/2" FULL DEPTH WITH FILLER AT 10' INTERVALS AND WHERE WALK JOINS ANOTHER.
2. USE CLASS B CONCRETE.
3. CONCRETE SHALL HAVE A MEDIUM BROOM FINISH UNLESS OTHERWISE SPECIFIED.
4. HEIGHT ON TURF AREAS SHALL BE 1" TO FINISH GRADE.
5. HEIGHT ON MULCH AREAS SHALL BE 4" TO FINISH GRADE.
LEGEND:
1. CLASS B CONCRETE PER CITY OF FOLSOM STANDARD CONSTRUCTION SPECIFICATIONS. COLOR & FINISH PER CONSTRUCTION SITE NOTES.
2. #4 REBAR @ 12" O.C.
3. #4 REBAR @ 12" O.C. CONTINUOUS
4. POLYURETHANE JOINT SEALANT (REFER TO SPECIFICATIONS); COLOR TO MATCH ADJACENT PAVING.
5. CONCRETE WALK
6. ½" CHAMFERED EDGE
7. EASE EDGES
8. COMPACTED SUBGRADE TO 95% RELATIVE COMPACTION.

NOTES:
1. DRY SACK ALL EXPOSED SURFACES OF PILASTER TO FILL GAPS & ERASE LINES FROM FORMS.
2. INSTALL SKATE STOPS AT 24" O.C.

CITY OF FOLSOM
CONCRETE SEAT WALL

SCALE: NONE
DATE: FEBRUARY 2020
LS-50
CONCRETE CURB, CLASS B CONCRETE PER CITY STANDARD SPECIFICATIONS. PROVIDE 1\(\frac{1}{2}\)" DEEP SCORE JOINTS @ 6' O.C. MAXIMUM, ALIGNING WITH ADJACENT WALKWAY PAVING JOINTS WHERE POSSIBLE; PROVIDE EXPANSION JOINTS @ 20' O.C. MAXIMUM.

12" MINIMUM DEEP (COMPACTED IN PLACE) PLAY SURFACE MATERIAL

FILTER FABRIC, OVERLAP JOINTS 12"

3" MINIMUM LAYER OF \(\frac{3}{4}\)" GRAVEL

MINIMUM 2% SLOPE TO DRAIN

COMPACT SUBGRADE TO 95% RELATIVE COMPACTION UNDER CURB, AND 90% RELATIVE COMPACTION UNDER GRAVEL.
PLAY AREA FILL MATERIAL, SEE CONSTRUCTION DOCUMENTS FOR SPECIFICATIONS.

FILTER FABRIC, OVERLAP 12" TOP AND ENDS.

FINISH SUBGRADE

NOTE:
TAMP ROCK AT 6" LAYER INTERVALS.

CITY OF FOLSOM
PLAYGROUND SUBDRAIN

SCALE: NONE
DATE: FEBRUARY 2020

LS-52
1. "CHRISTY" V64-T1C165 GRATE OR APPROVED EQUAL. WRAP GRATE IN FILTER FABRIC.
2. "CHRISTY" V64 DRAIN BOX OR APPROVED EQUAL – 24" x 24".
3. 6" PVC DRAIN PIPE.
4. 2" DRAIN ROCK ± 6" MINIMUM DEPTH.
5. 95% COMPACTED SUBGRADE.
6. FINISH GRADE.
7. 2" CRUSH ROCK – 3" DEEP.
8. FILTER FABRIC – MINIMUM 12" OVERLAP.
9. 12" MINIMUM DEPTH PLAY SURFACE – SEE SPECIAL PROVISIONS.
10. 1 1/2" DIAMETER SCHEDULE 40 PVC DRAIN LINE FROM DRINKING FOUNTAIN (WHERE APPLICABLE).
NOTES:
(A) 2.5' FOR FABRIC LESS THAN 5' HIGH, 3.0' FOR FABRIC 5' AND
OVER.
(B) DIAGONAL BRACE TO BE REMOVED AFTER ALL OTHER FENCE
CONSTRUCTION IS COMPLETED UNLESS OTHERWISE DIRECTED BY
THE ENGINEER.

NOTES:
1. THE ABOVE TABLE SHOWS EXAMPLES OF POST AND BRACE SECTIONS WHICH MAY COMPLY
   WITH THE SPECIFICATIONS.
2. SECTIONS SHOWN IN THE TABLES MUST ALSO COMPLY WITH THE STRENGTH REQUIREMENTS AND
   OTHER PROVISIONS OF THE SPECIFICATIONS SS-102.
3. OTHER SECTIONS WHICH COMPLY WITH THE STRENGTH REQUIREMENTS
   AND OTHER PROVISIONS OF THE SPECIFICATIONS MAY BE USED ON APPROVAL OF THE CITY ENGINEER.
4. OPTIONS EXERCISED SHALL BE UNIFORM ON ANY ONE PROJECT.
5. DIMENSIONS SHOWN ARE NOMINAL.
6. UNLESS OTHERWISE SPECIFIED, CHAINLINK FENCE FABRIC SHALL BE 9 GAUGE OUTSIDE DIAMETER.
NOTES:
1. THE BARRIER SHALL CONSIST OF WIRE-MESH FABRIC WITH OPENING NOT EXCEEDING 1/2”.
2. THE BARRIER SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION DISTURBANCE.
3. THE BARRIER SHALL BE INSTALLED ADJACENT TO DEVELOPED AREAS AS SHOWN ON THE GRADING PLANS.
NOTE:
IN AREAS DISTURBED BY GRADING WHERE SLOPE EXCEEDS 3:1 - JUTE NETTING WILL BE INSTALLED IN PLANTING AREAS.
LEGEND:

1. 1 1/2" ROUTED RECYCLED PLASTIC LUMBER SIGN PROVIDED BY THE CITY.
2. 3" x 5" x 1/2" STEEL ANGLE FRAME. INSTALL LEVEL AND PLUMB. POWDER-COAT DARK BROWN FINISH. 1" NO. 12 YELLOW WOOD SCREWS EVENLY SPACED ALL 4-SIDES. PAINT TO MATCH FRAME.
3. 3" x 9" x 1/2" 90° ANGLE BRACKET; 4 BRACKETS PER PILASTER. CONTINUOUS WELD 1/2" STIFFENER TO CENTER FOR SUPPORT, GRIND WELDS SMOOTH. ROUND ALL EDGES. INVERT ANGLE & DELETE STIFFENER FOR TOP BRACKETS. PRIME & PAINT DARK BROWN FINISH.
4. CONCRETE FOOTING SHALL BE HAVE A STRENGTH OF 2,500 PSI @ 28 DAYS.
5. 3-#4 BARS EACH WAY.
6. 16" SQUARE CMU PILASTER; GROUT SOLID (2,000 PSI MIN).
7. COBBLE VENEER ALL FACES OF BLOCK USING MORTAR TIES AND MORTAR; COBBLE SHALL BE 6"-8" IN DIAMETER INFILL COBBLE BETWEEN FRAME AND CMU BLOCK.
8. 3" MORTAR CAP; CROWN TO DRAIN.
9. #3 TIES AT 24" O.C.
10. PROVIDE 1/2" x 1" SLOTTED HOLE FOR 3/8" x 13 THREAD X 1" THRU BOLT WITH LOCK WASHER. 2 EA. BRACKET TOP 7 BOTTOM.
11. PRE-DRILL HOLES FOR 1" NO 12 YELLOW WOOD SCREWS. EVENLY SPACE ALL 4-SIDES.
12. 1/2" # HOLE FOR ANCHOR BOLT ATTACHMENT TO PILASTER.

NOTES:

1. REINFORCING BARS GRADED PER ASTM A615.
2. CMU BLOCKS GRADED PER ASTM C90.

CITY OF FOLSOM
PARK SIGN MONUMENT

SCALE: NONE
DATE: FEBRUARY 2020

LS-57