

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

  
 LICENSED LANDSCAPE ARCHITECT  
 July 19, 2013  
 PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



TO ACCOMPANY PLANS DATED \_\_\_\_\_

**A**

**AB** AGGREGATE BASE  
**ABS** ACRYLONITRILE-BUTADIENE-STYRENE  
**AC** ASPHALT CONCRETE  
**ACC** ARMOR-CLAD CONDUCTORS  
**Adj** ADJACENT/ADJUSTABLE  
**AIC** AUXILIARY IRRIGATION CONTROLLER  
**Alt** ALTERNATIVE  
**AMEND** AMENDMENT  
**ARV** AIR RELEASE VALVE  
**AUTO** AUTOMATIC  
**AUX** AUXILIARY  
**AVB** ATMOSPHERIC VACUUM BREAKER

**B**

**B&B** BALLED AND BURLAPPED  
**B/B** BRASS/BRONZE  
**B/B/PL** BRASS/BRONZE/PLASTIC  
**B/PL** BRASS/PLASTIC  
**BFM** BONDED FIBER MATRIX  
**Bit Ctd** BITUMINOUS COATED  
**BP** BOOSTER PUMP  
**BPA** BACKFLOW PREVENTER ASSEMBLY  
**BPE** BACKFLOW PREVENTER ENCLOSURE  
**BV** BALL VALVE

**C**

**C** CONDUIT  
**CAP** CORRUGATED ALUMINUM PIPE  
**CARV** COMBINATION AIR RELEASE VALVE  
**CB** COUPLING BAND  
**CCA** CAM COUPLER ASSEMBLY  
**CEC** CONTROLLER ENCLOSURE CABINET  
**CHDPE** CORRUGATED HIGH DENSITY POLYETHYLENE  
**CL** CHAIN LINK  
**CNC** CONTROL AND NEUTRAL CONDUCTORS  
**Conc** CONCRETE  
**CP** COPPER PIPE  
**CS** COMPOST SOCK  
**CSP** CORRUGATED STEEL PIPE  
**CST** CENTER STRIP  
**CV** CHECK VALVE

**D**

**Dia** DIAMETER  
**DIP** DUCTILE IRON PIPE  
**DIT** DRIP IRRIGATION TUBING  
**DG** DECOMPOSED GRANITE  
**DN** DIAMETER NOMINAL  
**DVA** DRIP VALVE ASSEMBLY

**E**

**EC** EROSION CONTROL  
**ECTC** EROSION CONTROL TECHNOLOGY COUNCIL  
**Elect** ELECTRIC/ELECTRICAL  
**Elev** ELEVATION  
**ELL** ELBOW  
**ENCL** ENCLOSURE  
**EP** EDGE OF PAVEMENT  
**ES** EDGE OF SHOULDER  
**EST** END STRIP  
**ESTB** ESTABLISHMENT  
**ETW** EDGE OF TRAVELED WAY

**F**

**F** FULL CIRCLE  
**F/P** FULL/PART CIRCLE  
**FCV** FLOW CONTROL VALVE  
**FERT** FERTILIZER  
**FG** FINISHED GRADE  
**FH** FLEXIBLE HOSE  
**FIPT** FEMALE IRON PIPE THREAD  
**FIS** FERTILIZER INJECTOR SYSTEM  
**FL** FLOW LINE  
**FR** FIBER ROLL  
**FS** FLOW SENSOR  
**FSC** FLOW SENSOR CABLE  
**FV** FLUSH VALVE

**G**

**Galv** GALVANIZED  
**GARV** GARDEN VALVE  
**GARVA** GARDEN VALVE ASSEMBLY  
**GM** GRAVEL MULCH  
**GPH** GALLONS PER HOUR  
**GPM** GALLONS PER MINUTE  
**GSP** GALVANIZED STEEL PIPE  
**GV** GATE VALVE

**H**

**H** HALF CIRCLE  
**HDPE** HIGH DENSITY POLYETHYLENE  
**HP** HORSEPOWER/HINGE POINT  
**HPL** HIGH PRESSURE LINE  
**Hwy** HIGHWAY

**I**

**IC** IRRIGATION CONTROLLER  
**ICC** IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET  
**ID** INSIDE DIAMETER  
**IFS** IRRIGATION FILTRATION SYSTEM  
**IPS** IRON PIPE SIZE  
**IPT** IRON PIPE THREAD  
**Irr** IRRIGATION

**L**

**L** LENGTH  
**Max** MAXIMUM  
**MBGR** METAL BEAM GUARD RAILING  
**MCV** MANUAL CONTROL VALVE  
**MIC** MASTER IRRIGATION CONTROLLER  
**Min** MINIMUM  
**MIPT** MALE IRON PIPE THREAD  
**Misc** MISCELLANEOUS  
**Mtl** MATERIAL  
**MVP** MAINTENANCE VEHICLE PULLOUT

**N**

**NCN** NO COMMON NAME  
**NL** NOZZLE LINE  
**No.** NUMBER  
**NPT** NATIONAL PIPE THREAD

**O**

**O/C** ON CENTER  
**OD** OUTSIDE DIAMETER  
**OL** OVERLAP

**P**

**P** PART CIRCLE  
**PB** PULL BOX  
**PCC** PORTLAND CEMENT CONCRETE  
**PE** POLYETHYLENE  
**Pkt** PACKET  
**PL** PLASTIC  
**PLS** PURE LIVE SEED  
**PLT** PLANT/PLANTING  
**PLT ESTB** PLANT ESTABLISHMENT  
**PM** POST MILE  
**PR** PRESSURE RATED  
**PRLV** PRESSURE RELIEF VALVE  
**PRV** PRESSURE REGULATING VALVE  
**PVC** POLYVINYL CHLORIDE  
**Pvmt** PAVEMENT

**Q**

**Q** QUARTER CIRCLE  
**QCV** QUICK COUPLING VALVE

**NOTE:**  
 For additional abbreviations,  
 see Standard Plans A10A and A10B.

**R**

**R** RADIUS  
**RCP** REINFORCED CONCRETE PIPE  
**RCV** REMOTE CONTROL VALVE  
**RCVM** REMOTE CONTROL VALVE (MASTER)  
**RCVMF** REMOTE CONTROL VALVE (MASTER) W/FLOW SENSOR  
**RCVP** REMOTE CONTROL VALVE W/PRESSURE REGULATOR  
**RCW** RECYCLED WATER  
**RECP** ROLLED EROSION CONTROL PRODUCT  
**REQ** REQUIRED  
**RICS** REMOTE IRRIGATION CONTROL SYSTEM  
**R/W** RIGHT OF WAY

**S**

**S** SLIP  
**SCH** SCHEDULE  
**SF** STATE-FURNISHED  
**Shld** SHOULDER  
**Sq** SQUARE  
**SST** SIDE STRIP  
**Sta** STATION  
**Std** STANDARD  
**SW** SIDEWALK/SOUND WALL

**T**

**T** THIRD CIRCLE/THREAD  
**TLS** TRUCK LOADING STANDPIPE  
**TQ** THREE QUARTER CIRCLE  
**TRM** TURF REINFORCEMENT MAT  
**TT** TWO-THIRDS CIRCLE  
**TWSA** TREE WELL SPRINKLER ASSEMBLY  
**Typ** TYPICAL

**U**

**UG** UNDERGROUND

**W**

**W** WIDTH  
**W/** WITH  
**WM** WATER METER  
**WS** WYE STRAINER  
**WSA** WYE STRAINER ASSEMBLY  
**WSP** WELDED STEEL PIPE  
**WWM** WELDED WIRE MESH

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**LANDSCAPE AND  
 EROSION CONTROL ABBREVIATIONS**  
 NO SCALE

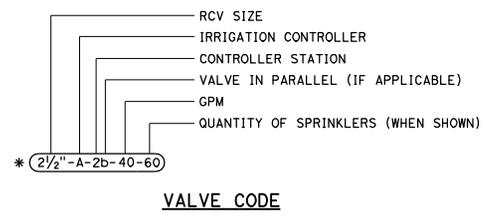
RSP H1 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H1  
 DATED MAY 20, 2011 - PAGE 218 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP H1**

2010 REVISED STANDARD PLAN RSP H1

EXISTING	NEW	ITEM DESCRIPTION
		WATER METER (WM)
		BACKFLOW PREVENTER ASSEMBLY (BPA)
		BACKFLOW PREVENTER ENCLOSURE (BPE)
		BOOSTER PUMP (BP)
		TRUCK LOADING STANDPIPE (TLS)
		FLOW SENSOR (FS)
		MASTER IRRIGATION CONTROLLER (MIC)
		AUXILIARY IRRIGATION CONTROLLER (AIC)
		IRRIGATION CONTROLLER (IC)
		IRRIGATION CONTROLLER (IC) (BATTERY)
		IRRIGATION CONTROLLER (IC) (SOLAR)
		IRRIGATION CONTROLLER (IC) (TWO WIRE)
		IRRIGATION CONTROLLER(S) IN CONTROLLER ENCLOSURE CABINET (ICC)
		ARMOR-CLAD CONDUCTORS (ACC)
		CONTROL AND NEUTRAL CONDUCTORS (CNC)
		IRRIGATION CONDUIT
		EXTEND IRRIGATION CROSSOVER
		DUCTILE IRON PIPE (SUPPLY LINE) (MAIN) (DIP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (MAIN) (GSP)
		GALVANIZED STEEL PIPE (SUPPLY LINE) (LATERAL) (GSP)
		PLASTIC PIPE (SUPPLY LINE) (MAIN)
		PLASTIC PIPE (SUPPLY LINE) (LATERAL)
		COPPER PIPE (SUPPLY LINE)
		DRIP IRRIGATION TUBING
		REMOTE CONTROL VALVE (RCV)
		REMOTE CONTROL VALVE (MASTER) (RCVM)
		REMOTE CONTROL VALVE (MASTER) W/FLOW METER (RCVMF)
		REMOTE CONTROL VALVE W/PRESSURE REGULATOR (RCVP)
		EXISTING MANUAL CONTROL VALVE (MCV)
		DRIP VALVE ASSEMBLY (DVA)
		WYE STRAINER ASSEMBLY (WSA)

EXISTING	NEW	ITEM DESCRIPTION
		GATE VALVE (GV)
		BALL VALVE (BV)
		QUICK COUPLING VALVE (QCV)
		CAM COUPLER ASSEMBLY (CCA)
		GARDEN VALVE ASSEMBLY (GARVA)
		PRESSURE REGULATING VALVE (PRV)
		PRESSURE RELIEF VALVE (PRLV)
		FLOW CONTROL VALVE (FCV)
		COMBINATION AIR RELEASE VALVE (CARV)
		CHECK VALVE (CV)
		FLUSH VALVE (FV)
		EXISTING NOZZLE LINE W/TURNING UNION
		EXISTING IRRIGATION SYSTEM
		EXISTING IRRIGATION SYSTEM TO BE REMOVED
		CHAIN LINK GATE
		QUICK COUPLING VALVE W/SPRINKLER PROTECTOR
		SPRINKLER W/SPRINKLER PROTECTOR
		CONNECT TO EXISTING SYSTEM
		CAP
		CAP EXISTING
		FIBER ROLL
		COMPOST SOCK



\* VALVE CODES FOR EXISTING VALVES ARE SHOWN IN A DASHED ENCLOSURE.

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TO ACCOMPANY PLANS DATED \_\_\_\_\_

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**LANDSCAPE AND EROSION CONTROL SYMBOLS**  
NO SCALE

RSP H2 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H2 DATED MAY 20, 2011 - PAGE 219 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP H2**

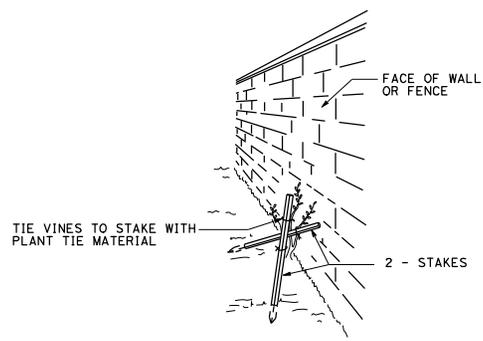
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

*Gregory A. Baker*  
 LICENSED LANDSCAPE ARCHITECT

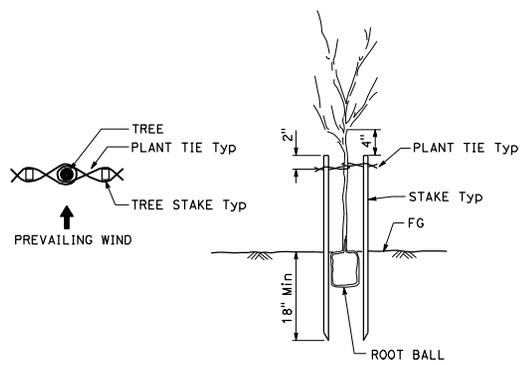
July 19, 2013  
 PLANS APPROVAL DATE

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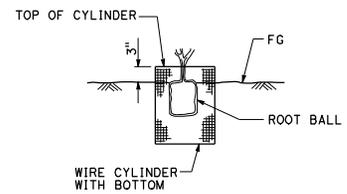
TO ACCOMPANY PLANS DATED \_\_\_\_\_



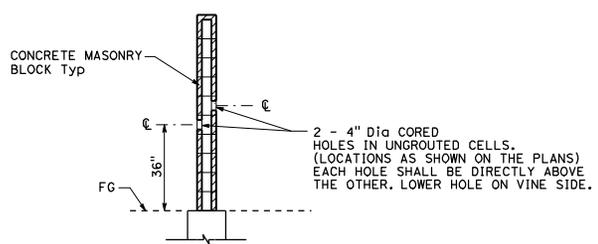
**PERSPECTIVE  
VINE STAKING**



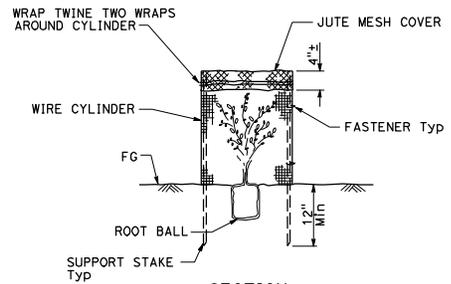
**TREE STAKING**



**SECTION  
ROOT PROTECTOR**



**SECTION  
CORE HOLE (VINE)**



**SECTION  
FOLIAGE PROTECTOR**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**LANDSCAPE DETAILS**  
 NO SCALE

RSP H4 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H4  
 DATED MAY 20, 2011 - PAGE 221 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP H4**

2010 REVISED STANDARD PLAN RSP H4

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

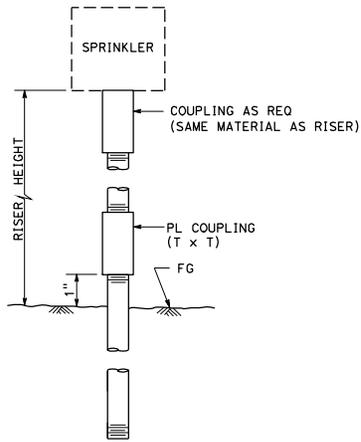
*Gregory A. Baker*  
 LICENSED LANDSCAPE ARCHITECT  
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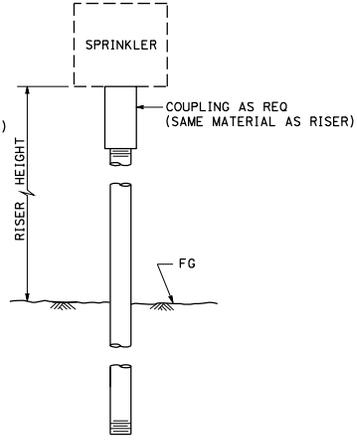
TO ACCOMPANY PLANS DATED \_\_\_\_\_

**NOTES:**

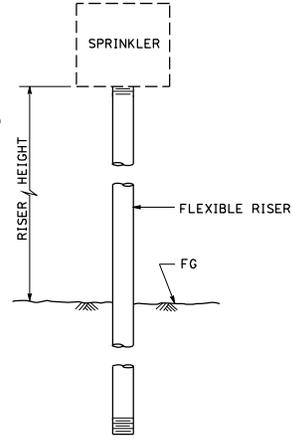
1. Install tree well sprinkler assembly on up-hill side of plant when on slope.
2. Install bubbler within basin.



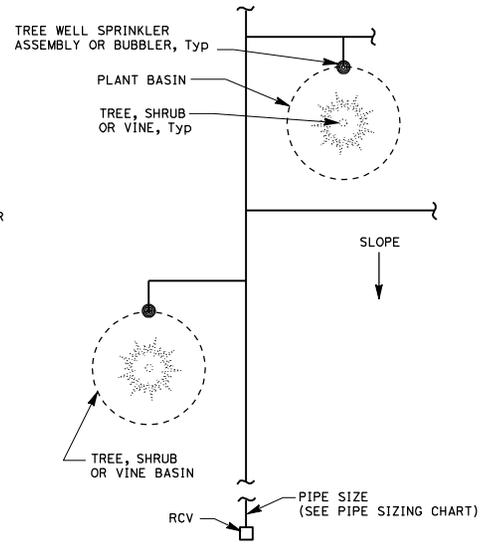
**ELEVATION**  
**RISER SPRINKLER**  
**ASSEMBLY TYPE I**



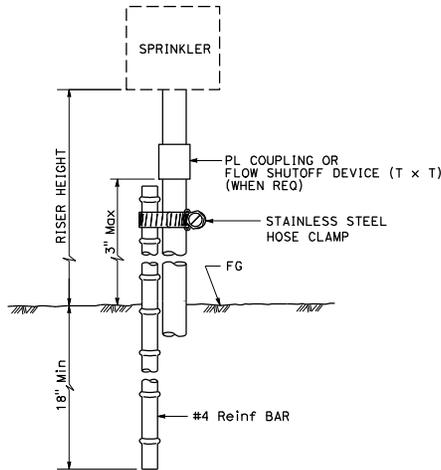
**ELEVATION**  
**RISER SPRINKLER**  
**ASSEMBLY TYPE II**



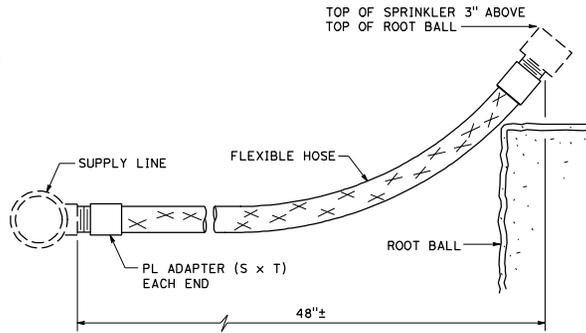
**ELEVATION**  
**RISER SPRINKLER**  
**ASSEMBLY TYPE III**



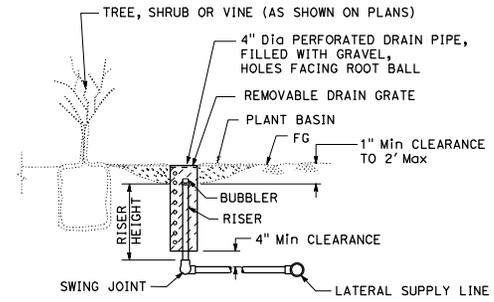
**PLAN**



**ELEVATION**  
**RISER SPRINKLER**  
**ASSEMBLY TYPE IV**



**ELEVATION**  
**RISER SPRINKLER**  
**ASSEMBLY TYPE V**



**SECTION**  
**TREE WELL SPRINKLER ASSEMBLY**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**LANDSCAPE DETAILS**

NO SCALE

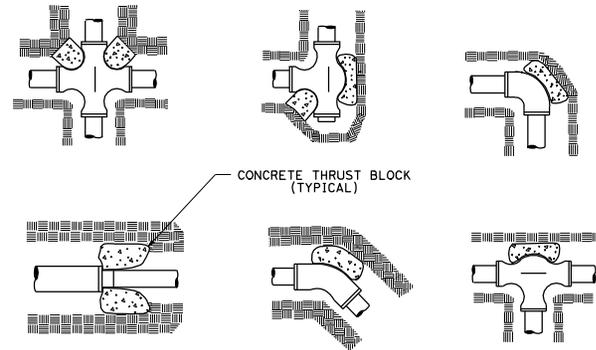
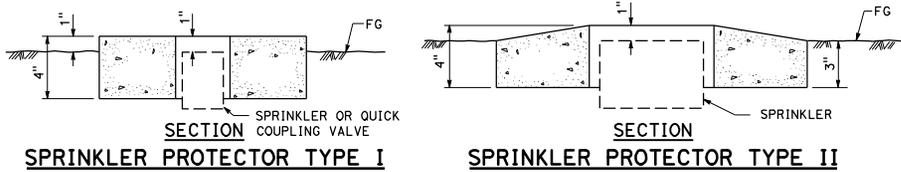
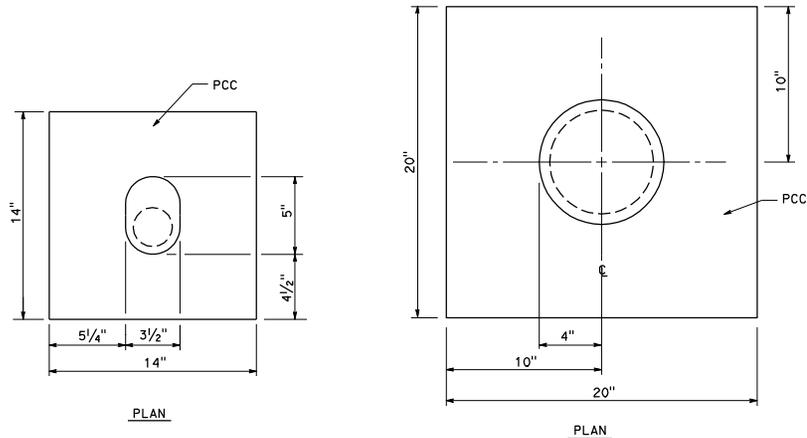
RSP H5 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H5  
DATED MAY 20, 2011 - PAGE 222 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP H5**

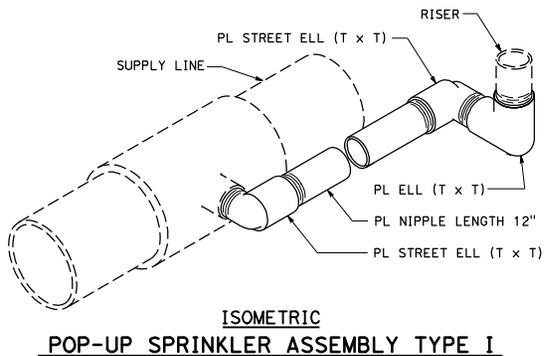
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

*Gregory A. Decker*  
 LICENSED LANDSCAPE ARCHITECT  
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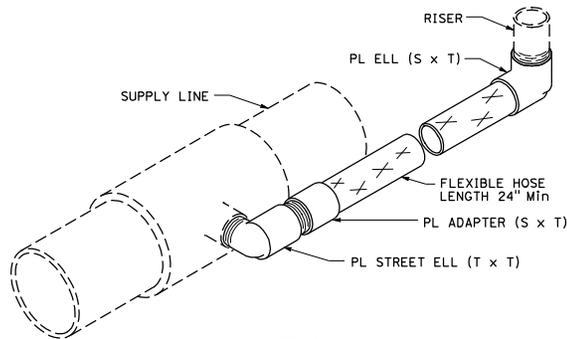
TO ACCOMPANY PLANS DATED \_\_\_\_\_



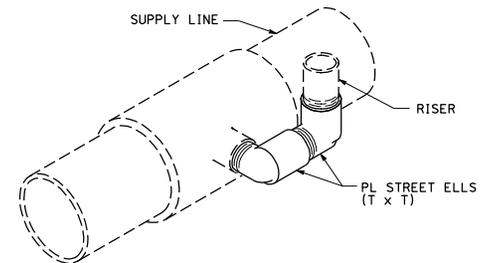
**TYPICAL THRUST BLOCKS**



**ISOMETRIC POP-UP SPRINKLER ASSEMBLY TYPE I**



**ISOMETRIC POP-UP SPRINKLER ASSEMBLY TYPE II**



**ISOMETRIC POP-UP SPRINKLER ASSEMBLY TYPE III**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**LANDSCAPE DETAILS**

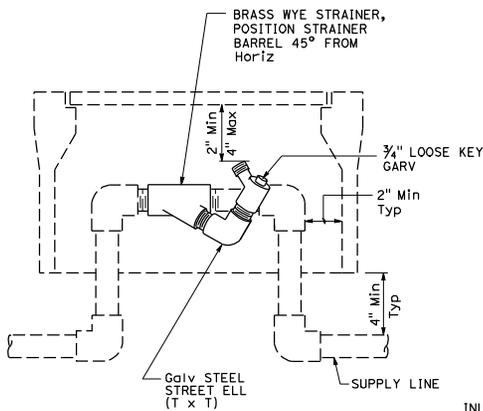
NO SCALE

RSP H6 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H6 DATED MAY 20, 2011 - PAGE 223 OF THE STANDARD PLANS BOOK DATED 2010.

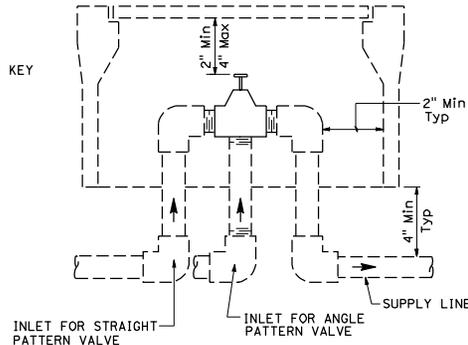
**REVISED STANDARD PLAN RSP H6**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

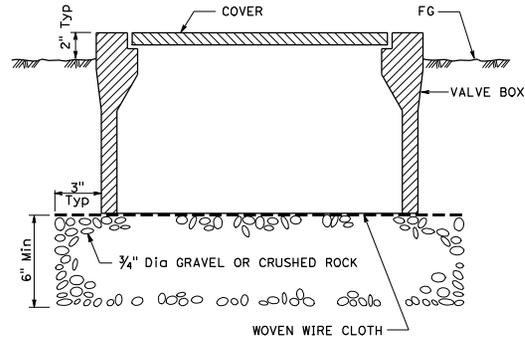
*Supra A. Pagan*  
 LICENSED LANDSCAPE ARCHITECT  
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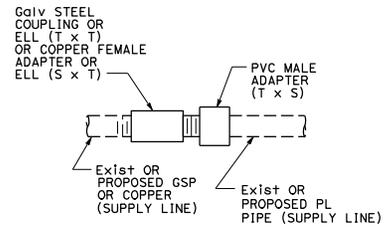
**ELEVATION**  
**WYE STRAINER ASSEMBLY**



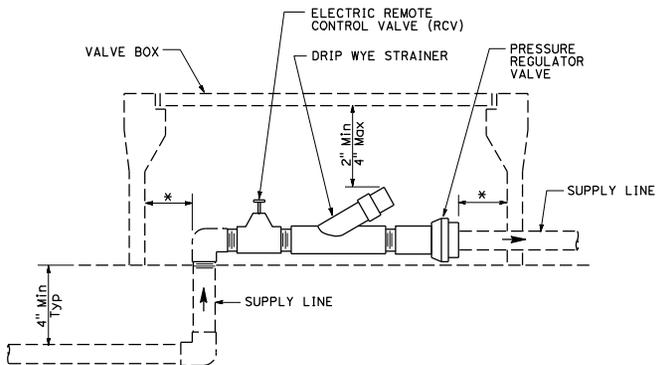
**ELEVATION**  
**VALVE**



**SECTION**  
**VALVE BOX**



**GALVANIZED OR COPPER PIPE CONNECTION TO PLASTIC PIPE**

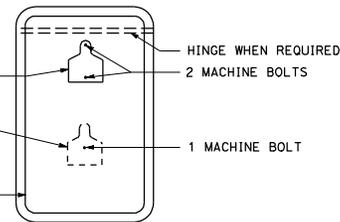


**ELEVATION**  
**DRIP VALVE ASSEMBLY**

IDENTIFICATION LABEL:  
FOR ABBREVIATIONS SEE  
REVISED STANDARD PLANS  
RSP H1 AND RSP H2.  
FOR CONTROLLER AND  
STATION NUMBER  
SEE PROJECT PLANS.

RECYCLED WATER WARNING  
SIGN WHEN REQUIRED

VALVE BOX COVER

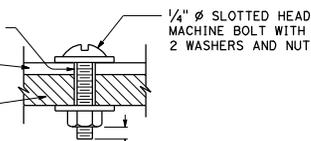


**PLAN**

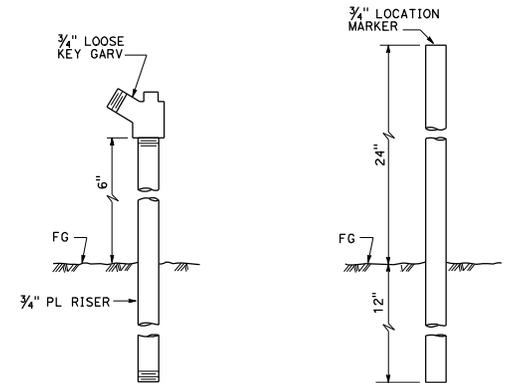
DRILL SIGN AND COVER  
TO ACCEPT MACHINE BOLT

SIGN

COVER



**SECTION**  
**VALVE BOX IDENTIFICATION**



**ELEVATION**  
**GARDEN VALVE ASSEMBLY**

**ELEVATION**  
**LOCATION MARKER**

**GARDEN VALVE ASSEMBLY**

**LANDSCAPE DETAILS**

NO SCALE

RSP H7 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H7  
DATED MAY 20, 2011 - PAGE 224 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP H7**

2010 REVISED STANDARD PLAN RSP H7

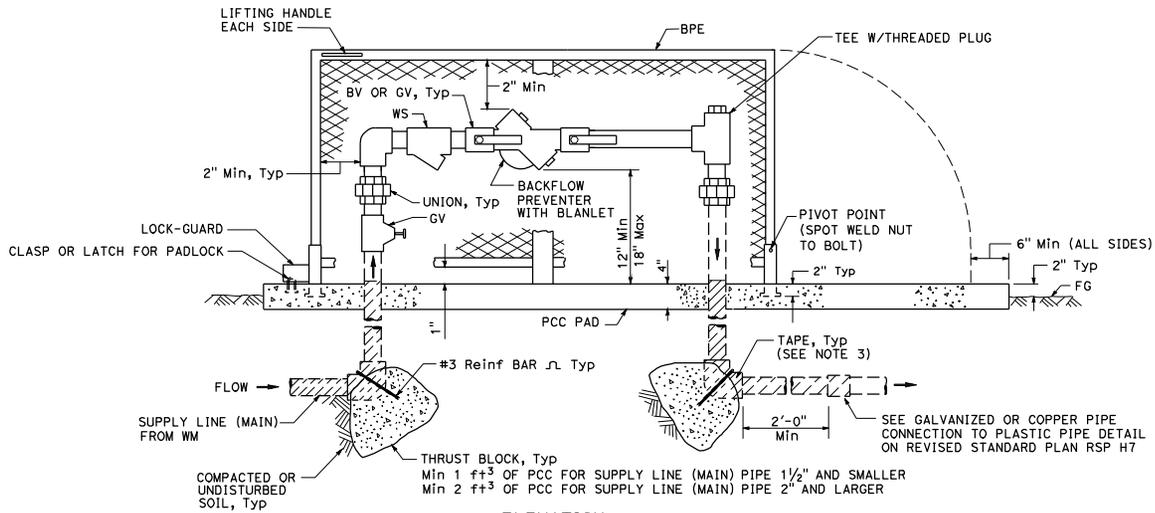
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*Supra A. Pagan*  
 LICENSED LANDSCAPE ARCHITECT  
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 LICENSED LANDSCAPE ARCHITECT  
*Supra A. Pagan*  
 2528-15  
 704-315-1300  
 STATE OF CALIFORNIA

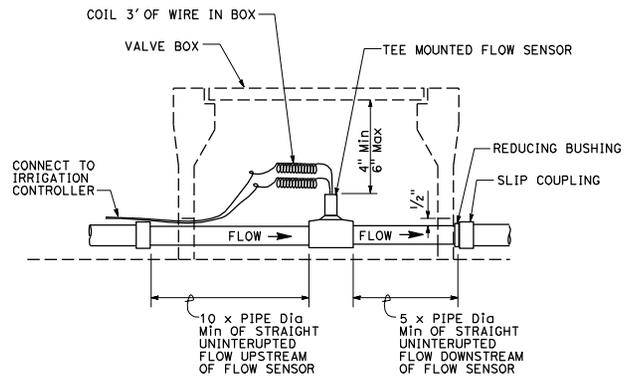
TO ACCOMPANY PLANS DATED \_\_\_\_\_

**NOTES:**

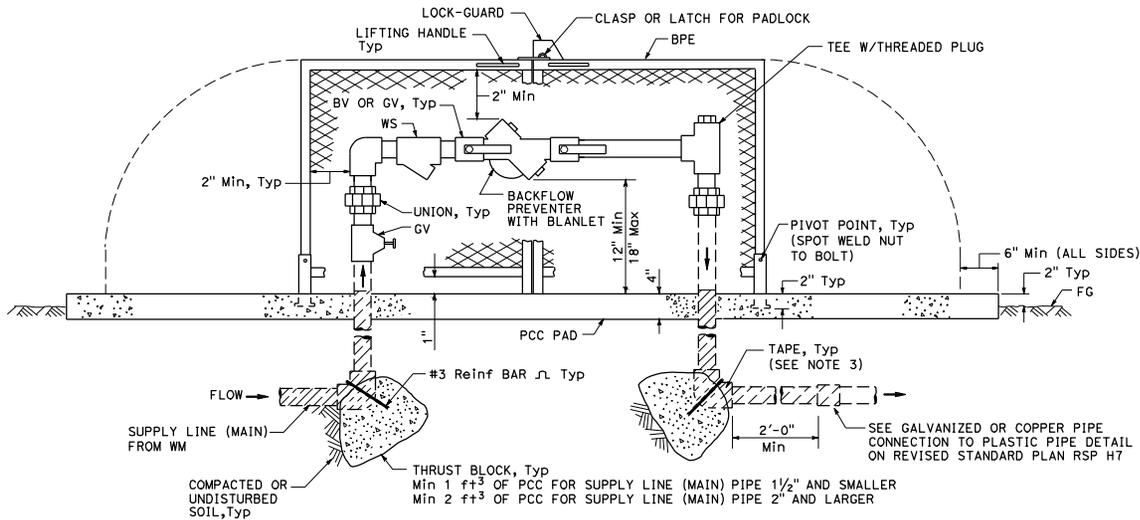
1. Wye strainer and fittings must be the same size as the backflow preventer shown on the plans.
2. Backflow preventer assembly manifold pipe must be the same pipe as the supply line (main) pipe to be installed from the water meter to the backflow preventer assembly.
3. All metal in contact with soil and Portland Cement Concrete must be wrapped with 2" wide plastic backed adhesive polyethylene tape 20 mil thick with 1/2" overlap.



**ELEVATION**  
**BACKFLOW PREVENTER ASSEMBLY**  
 IN ONE PIECE ENCLOSURE



**SECTION**  
**FLOW SENSOR**



**ELEVATION**  
**BACKFLOW PREVENTER ASSEMBLY**  
 IN TWO PIECE ENCLOSURE

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**LANDSCAPE DETAILS**  
 NO SCALE

RSP H8 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H8  
 DATED MAY 20, 2011 - PAGE 225 OF THE STANDARD PLANS BOOK DATED 2010.  
**REVISED STANDARD PLAN RSP H8**

2010 REVISED STANDARD PLAN RSP H8

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

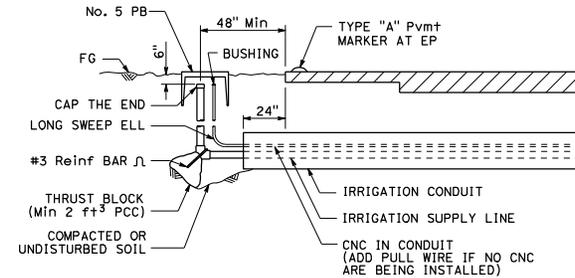
*Gregory A. Decker*  
 LICENSED LANDSCAPE ARCHITECT

July 19, 2013  
 PLANS APPROVAL DATE

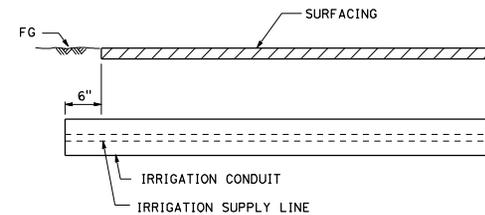
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LICENSED LANDSCAPE ARCHITECT  
*Gregory A. Decker*  
 2-28-15  
 1-30-15  
 STATE OF CALIFORNIA

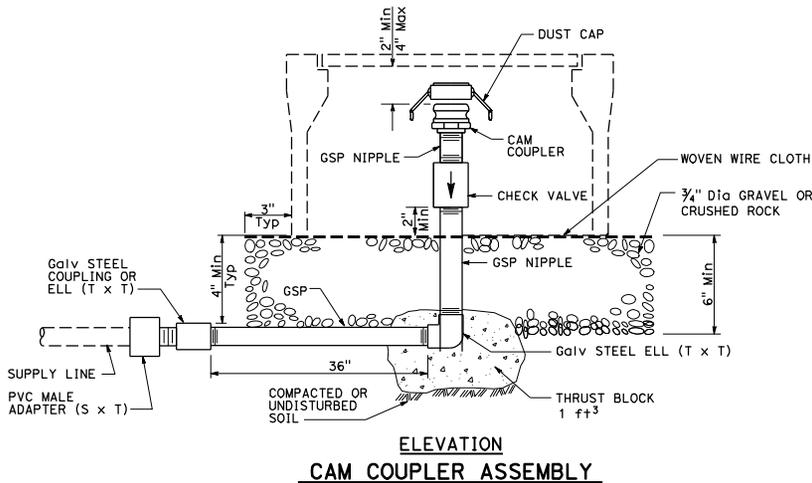
TO ACCOMPANY PLANS DATED \_\_\_\_\_



**SECTION**  
**IRRIGATION CONDUIT**  
UNDER TRAVELED WAY



**SECTION**  
**IRRIGATION CONDUIT**  
UNDER SIDEWALKS, DRIVEWAYS AND PATHS



**ELEVATION**  
**CAM COUPLER ASSEMBLY**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**LANDSCAPE DETAILS**  
NO SCALE

RSP H9 DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN H9  
DATED MAY 20, 2011 - PAGE 226 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP H9**

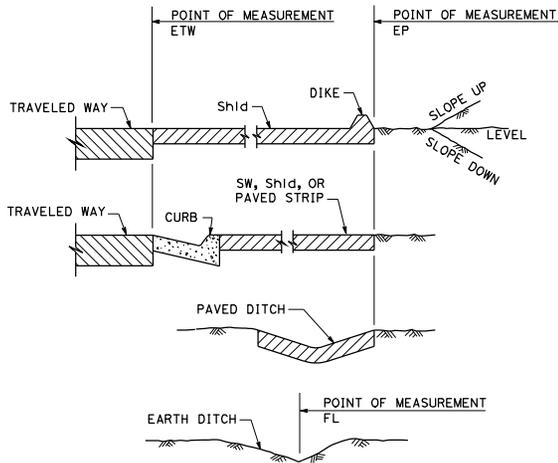
2010 REVISED STANDARD PLAN RSP H9

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

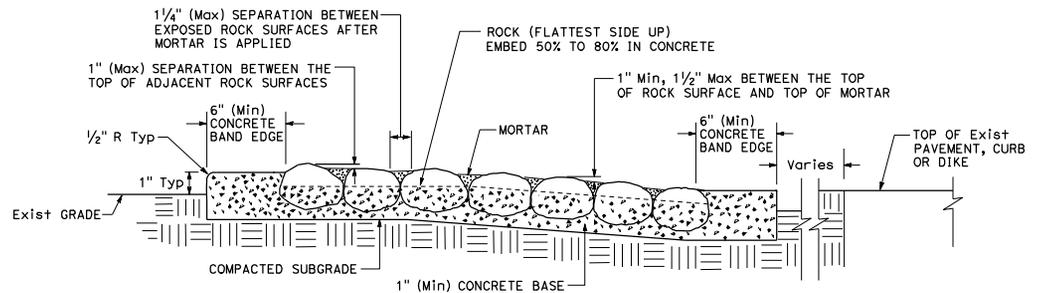
*Stephen A. Decker*  
 LICENSED LANDSCAPE ARCHITECT  
 July 19, 2013  
 PLANS APPROVAL DATE  
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



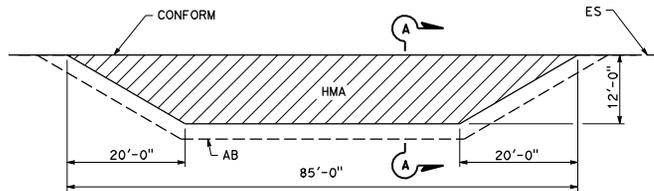
TO ACCOMPANY PLANS DATED \_\_\_\_\_



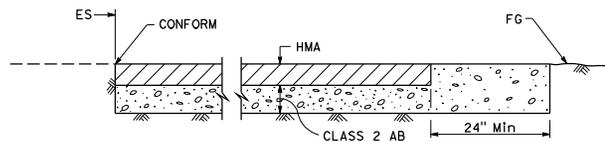
**SECTION POINTS OF MEASUREMENT**



**SECTION ROCK BLANKET**



**PLAN**



**SECTION A-A MAINTENANCE VEHICLE PULLOUT**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**LANDSCAPE DETAILS**  
 NO SCALE

RSP H9A DATED JULY 19, 2013 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP H9A**

2010 REVISED STANDARD PLAN RSP H9A