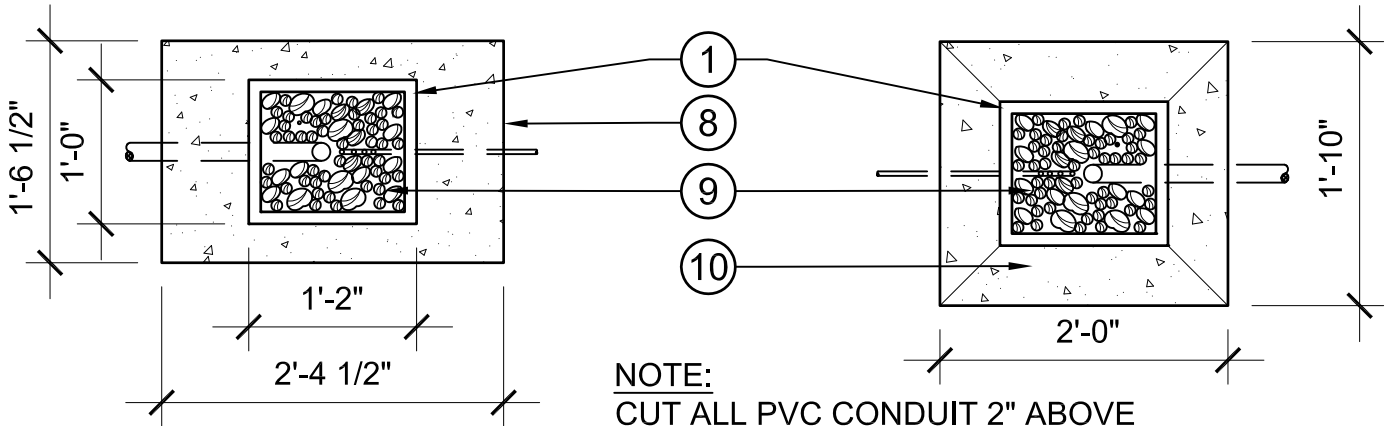
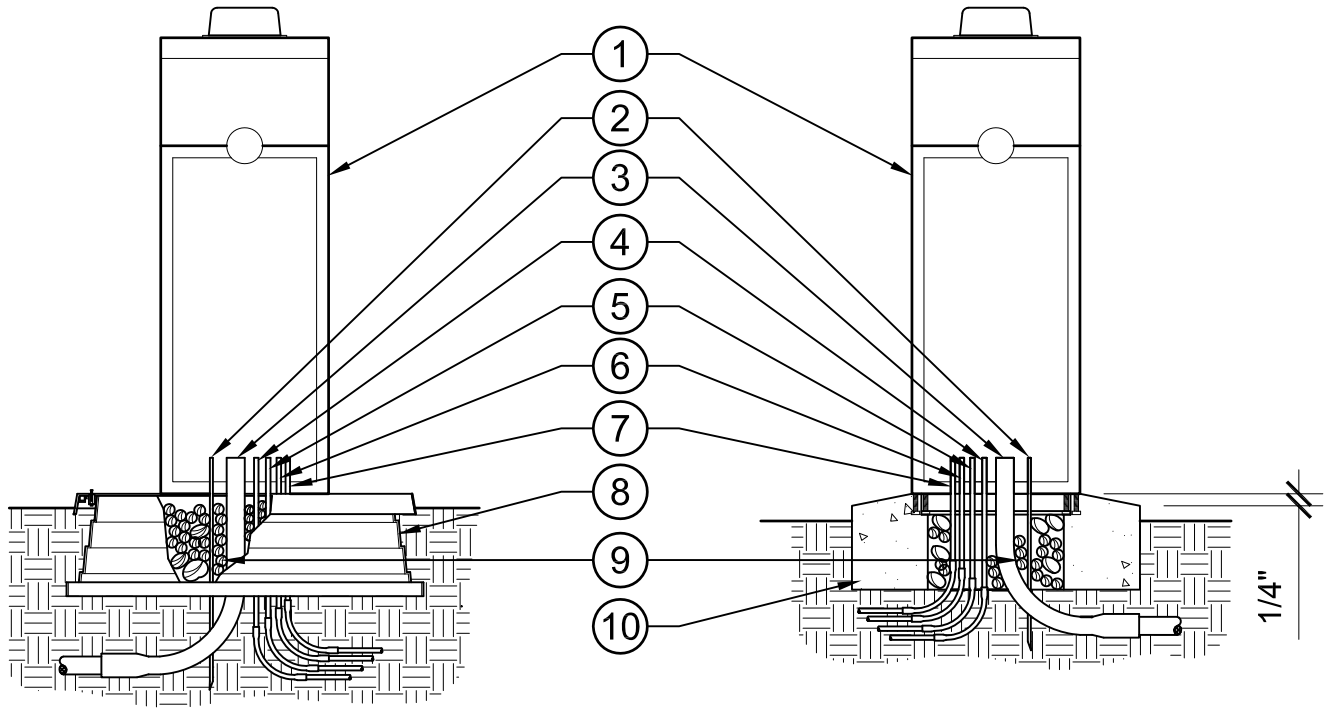


- ① BUILDING FACE
- ② SCH 40 RIGID STEEL GROUNDING CONDUIT FOR 120 V POWER SUPPLY
- ③ SCH 40 PVC UVR CONDUIT FOR CONTROL AND COMMON WIRE (SEE SPEC FOR SIZE)
- ④ STAINLESS STEEL CONTROLLER ENCLOSURE (SEE SPECS)
- ⑤ SEPARATE SCH 40 PVC UVR CONDUIT FOR MASTER VALVE
- ⑥ SEPARATE SCH 40 PVC UVR CONDUIT FOR FLOW SENSOR
- ⑦ SEPARATE SCH 40 PVC UVR CONDUIT FOR SPARE WIRES
- ⑧ SPARE SCH 40 PVC UVR CONDUIT OR FOR CONNECTION TO CENTRAL CONTROL SYSTEM
- ⑨ GROUND WIRE, ROD AND CLAMP




	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS	DATE: 02-05-13
	<b>WALL MOUNT CONTROLLER</b>	
	IN STAINLESS STEEL	APPROVED BY: MPH
STD. G-001	1"=1'-0"	REV:

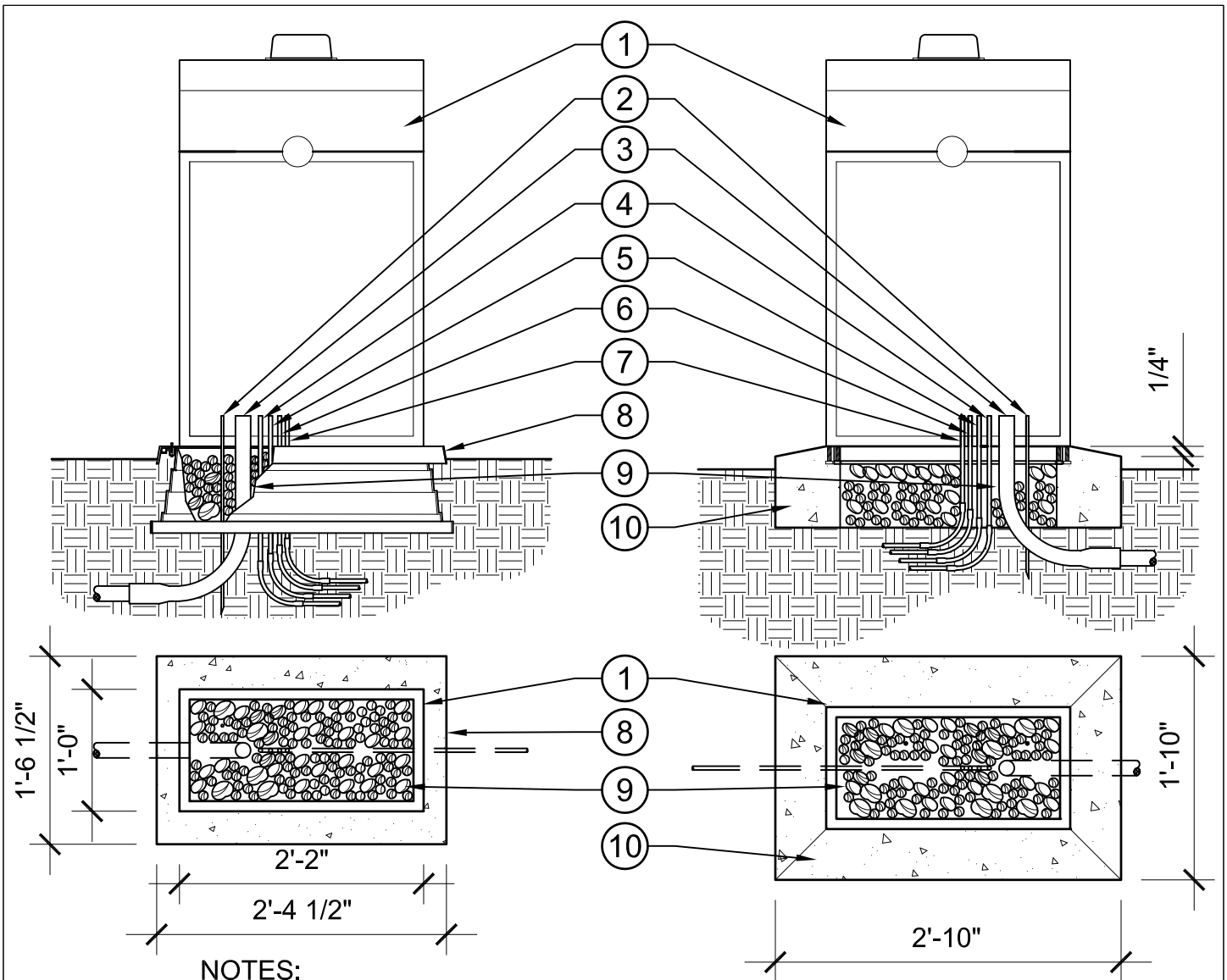




**NOTE:**  
 CUT ALL PVC CONDUIT 2" ABOVE  
 CONCRETE PAD / QUICK PAD

- ① CONTROLLER WITH STAINLESS STEEL ENCLOSURE (SEE SPECIFICATIONS)
- ② GROUNDING ROD (INSTALL PER MANUFACTURER'S SPECIFICATIONS)
- ③ 2" WIRE CONDUIT AND SWEEP FOR CONTROL AND COMMON WIRE
- ④ 3/4" PVC SCH40 CONDUIT AND SWEEP FROM MASTER VALVE TO CONTROLLER
- ⑤ 3/4" PVC SCH40 CONDUIT AND SWEEP FROM FLOW SENSOR TO CONTROLLER
- ⑥ 3/4" PVC SCH 40 CONDUIT AND SWEEP FROM WEATHER STATION OR ET GAGE TO CONTROLLER
- ⑦ 3/4" PVC SCH40 SPARE CONDUIT AND SWEEP FOR FUTURE USE
- ⑧ QUICK PAD
- ⑨ 3/4" GRAVEL SUMP 18" DEEP FOR INSTALLATION OF CONDUIT
- ⑩ 8" THICK CONCRETE BASE, INSTALL 2" ABOVE FINISH GRADE




	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<b>SINGLE CONTROLLER IN STAINLESS STEEL ENCLOSURE</b>		
	ON QUICK PAD OR CONCRETE PAD	APPROVED BY: MPH	 
STD. G-002	3/4"=1'-0"	REV:	



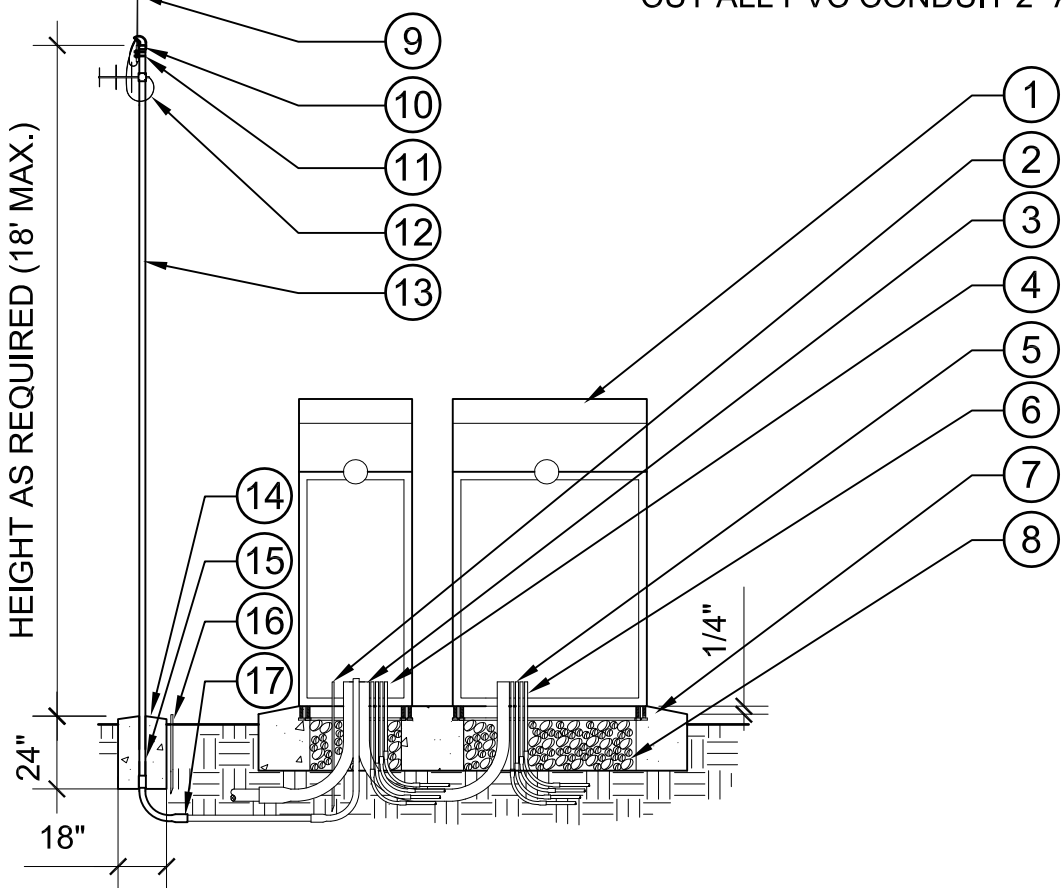
**NOTES:**

A DOUBLE WIDE ENCLOSURE SHALL BE SPECIFIED IF TWO CONTROLLERS ARE SPECIFIED IN ONE LOCATION.  
 CUT ALL PVC CONDUIT 2" ABOVE CONCRETE PAD / QUICK PAD

- ① CONTROLLERS WITH STAINLESS STEEL ENCLOSURE (SEE SPECIFICATIONS)
- ② GROUNDING ROD (INSTALL PER MANUFACTURER'S SPECIFICATIONS)
- ③ CONDUIT AND SWEEP FOR CONTROL AND COMMON WIRES (2" OR LARGER AS NEEDED)
- ④ 3/4" PVC SCH40 CONDUIT AND SWEEP FROM MASTER VALVE TO CONTROLLER
- ⑤ 3/4" PVC SCH40 CONDUIT AND SWEEP FROM FLOW SENSOR TO CONTROLLER
- ⑥ 3/4" PVC SCH 40 CONDUIT AND SWEEP FROM WEATHER STATION OR ET GAGE TO CONTROLLER
- ⑦ 3/4" PVC SCH40 SPARE CONDUIT AND SWEEP FOR FUTURE USE
- ⑧ QUICK PAD
- ⑨ 3/4" GRAVEL SUMP 18" DEEP FOR INSTALLATION OF CONDUIT
- ⑩ 8" THICK CONCRETE BASE, INSTALL 2" ABOVE FINISH GRADE

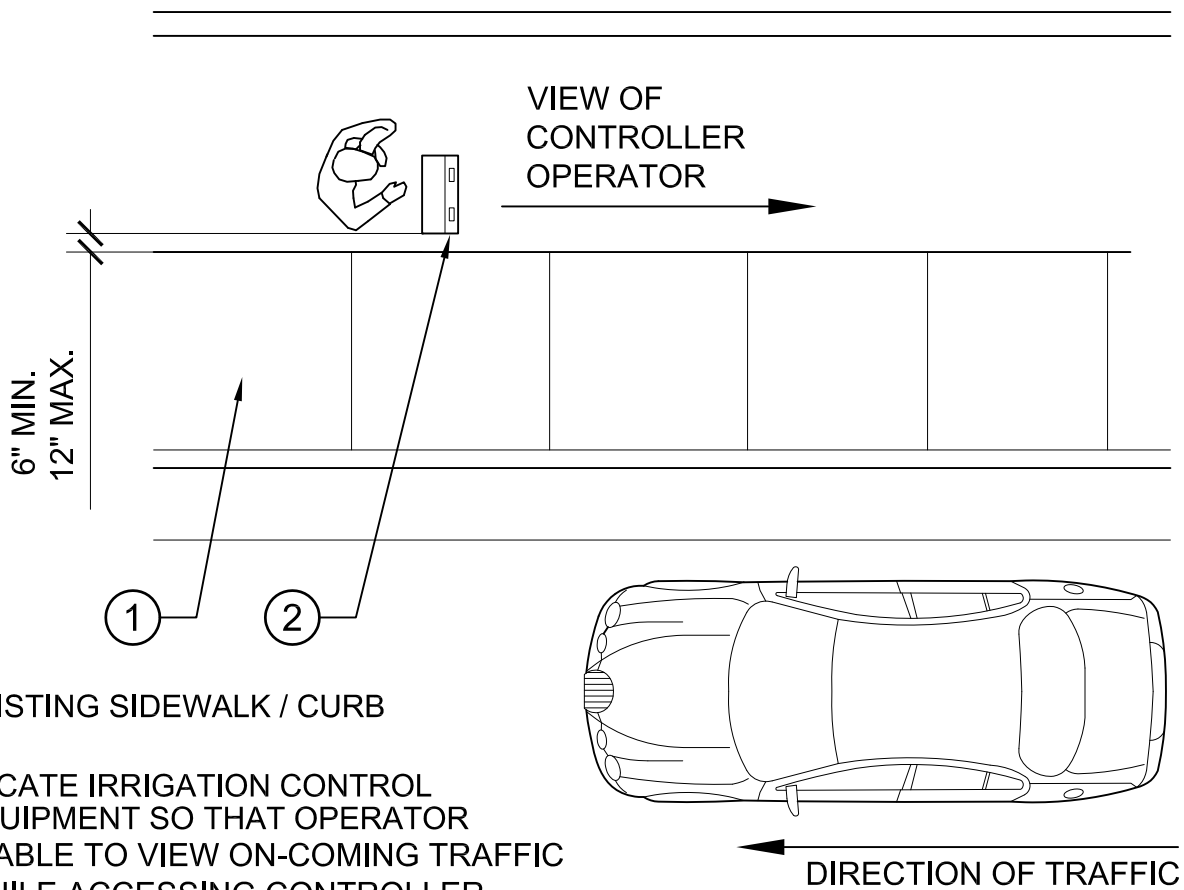
	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<b>TWO CONTROLLERS IN DOUBLE WIDE STAINLESS ENCLOSURE</b>		
	ON CONCRETE PAD OR QUICK PAD	APPROVED BY: MPH	
STD. G-003	3/4"=1'-0"	REV:	

NOTE:  
CUT ALL PVC CONDUIT 2" ABOVE CONCRETE PAD



- ① STAINLESS STEEL ENCLOSURE (SINGLE OR DOUBLE WIDE)
- ② GROUNDING ROD (INSTALL PER MANUFACTURER'S SPECIFICATIONS)
- ③ CONDUIT AND SWEEP FOR CONTROL AND COMMON WIRES (2" OR LARGER AS NEEDED)
- ④ 3/4" PVC SCH40 CONDUIT AND SWEEP FROM MASTER VALVE TO CONTROLLER (BOTH CABINETS)
- ⑤ 3/4" PVC SCH40 CONDUIT AND SWEEP FROM FLOW SENSOR TO CONTROLLER (BOTH CABINETS)
- ⑥ PVC SCH40 CONDUIT AND SWEEPS FROM ET / WIND / RAIN GAGE(S) TO CONTROLLER
- ⑦ 8" THICK CONCRETE BASE, OR QUICK PAD PER DETAIL I-001 AND I-002
- ⑧ 3/4" GRAVEL SUMP 18" DEEP FOR INSTALLATION OF CONDUIT
- ⑨ STICK OR YAGI ANTENNA (SEE LEGEND AND SPECS) SEAL CONNECTION TO CABLE WITH VAPOR WRAP
- ⑩ 2" METAL WEATHERHEAD
- ⑪ MOUNTING BRACKETS (INCLUDED WITH ASSEMBLY)
- ⑫ DRIP LOOP IN ANTENNA CABLE
- ⑬ 2" RIGID GALVANIZED PIPE
- ⑭ CONCRETE BASE FOR ANTENNA
- ⑮ 2" T x T GALVANIZED COUPLER AND 2" RIGID GALVANIZED PIPE SWEEP
- ⑯ 5/8" X 8' GROUND ROD FOR ANTENNA POLE WITH #6 SOLID GROUND WIRE, CLAMP TO PIPE (INSTALL ROD IN PLASTIC 10" ROUND BOX)
- ⑰ CONVERSION TO 2" PVC SCH. 40 CONDUIT OUTSIDE OF CONCRETE FOOTING

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	THREE OR MORE CONTROLLERS		
WITH HUB AND ANTENNA	APPROVED BY: MPH		
1/2"=1'-0"	REV:		



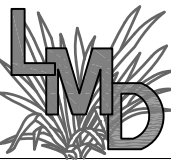


① EXISTING SIDEWALK / CURB

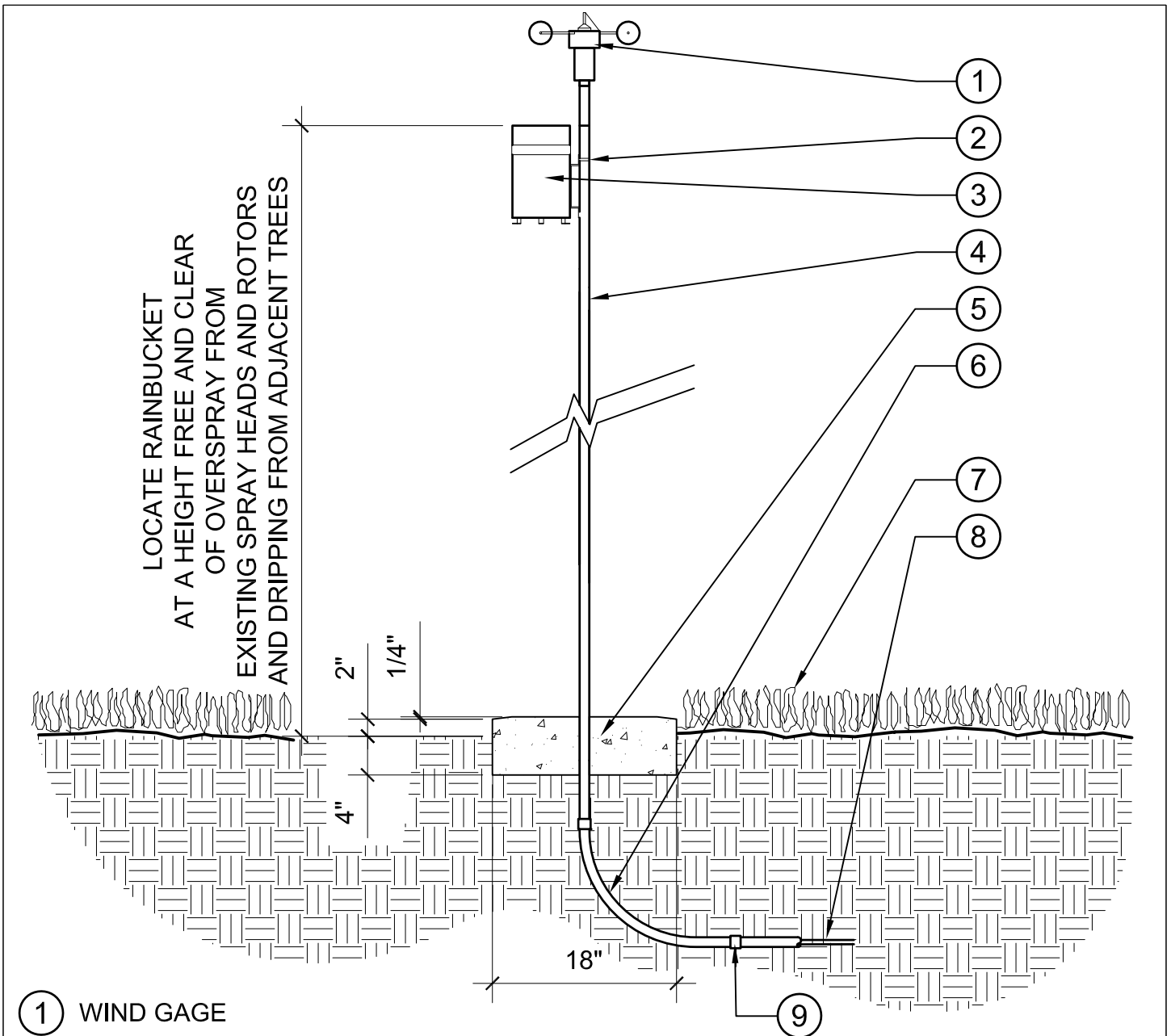
② LOCATE IRRIGATION CONTROL EQUIPMENT SO THAT OPERATOR IS ABLE TO VIEW ON-COMING TRAFFIC WHILE ACCESSING CONTROLLER

GENERAL CONTROLLER SETUP NOTES



THE FOLLOWING MUST BE COMPLETE PRIOR TO REQUESTING PRELIMINARY WALKTHROUGH FOR ACCEPTANCE INTO LMD:

- MARK PROPOSED IRRIGATION CONTROLLER LOCATION AND ORIENTATION FOR APPROVAL BY RCTD REPRESENTATIVE PRIOR TO INSTALLATION. CONTROLLERS INSTALLED WITHOUT PRE-APPROVAL ARE SUBJECT TO REMOVAL AND RE-LOCATION.
- PROVIDE SQUARE FOOTAGE FOR EACH ZONE AND INPUT AREA INFORMATION INTO CONTROLLER
- PROVIDE MANUFACTURER CERTIFICATION ON MANUFACTURER'S LETTERHEAD
- PROGRAM CONTROLLER TO LEARN FLOWS FOR EACH STATION, WITH A MINIMUM FLOW OF 4 GPM ON ANY ONE STATION

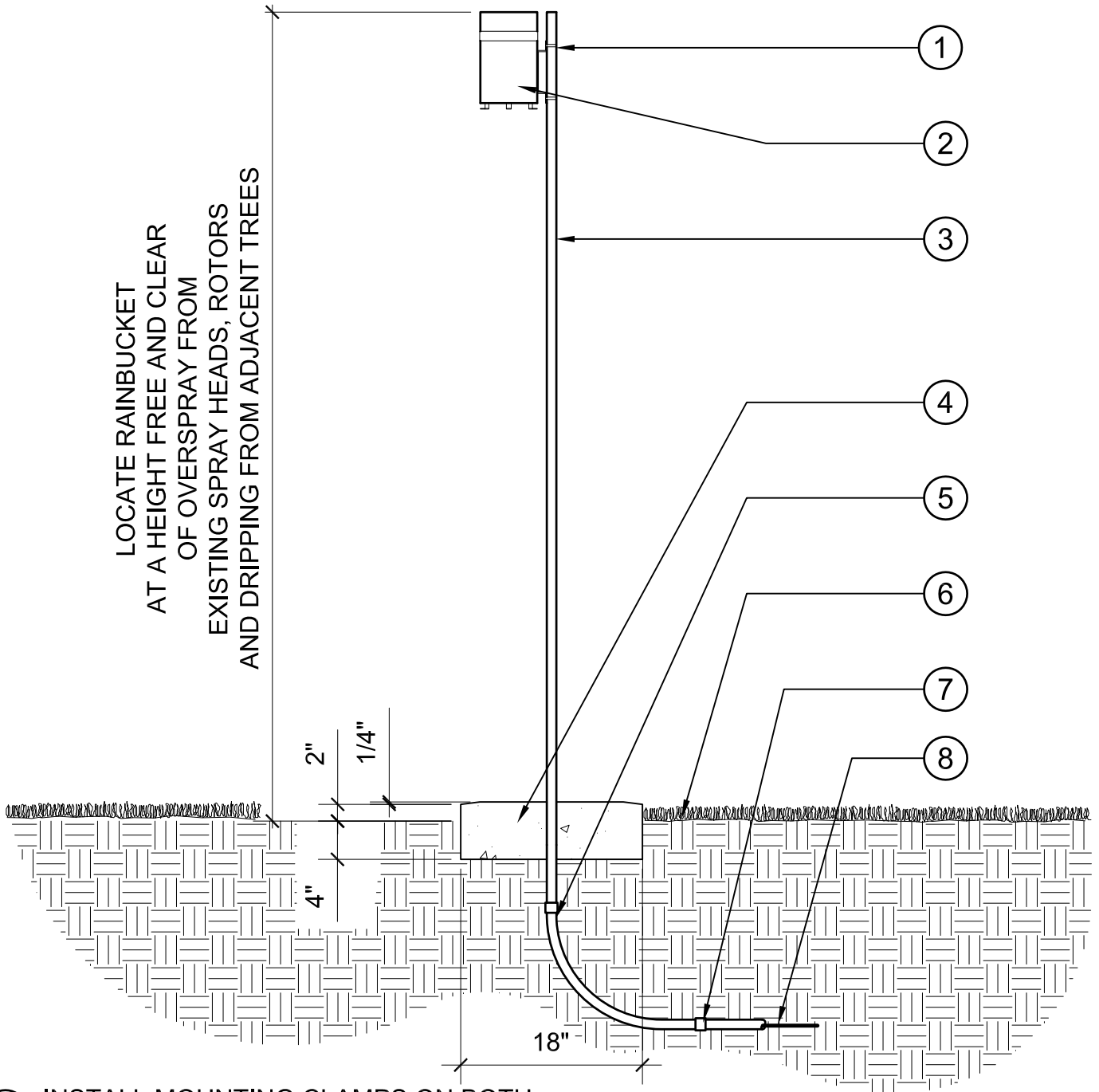
	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<b>GENERAL CONTROLLER REQUIREMENTS</b> AND PLACEMENT		 
STD. G-005	3/16"=1'-0"	APPROVED BY: MPH	REV:






- ① WIND GAGE
- ② INSTALL MOUNTING CLAMPS ON BOTH SIDES OF MOUNTING BRACKET SECURE TO POST
- ③ RAINBUCKET
- ④ 2" GALVANIZED RIGID STEEL PIPE MOUNTING POST
- ⑤ 18" X 18" (6" THICK) CONCRETE BASE (INSTALL 2" ABOVE FINISH GRADE)
- ⑥ 2" T x T GALVANIZED COUPLER AND 2" RIGID GALVANIZED PIPE SWEEP
- ⑦ FINISH GRADE
- ⑧ CABLES TO CONTROLLER (MAXIMUM LENGTH 200' EACH) FOR WIND GAGE, USE 3 CONDUCTOR CABLE. FOR RAIN BUCKET, USE 2 CONDUCTOR CABLE.
- ⑨ REDUCTION OF CONDUIT SIZE TO 1" SCH 40 AT END OF SWEEP

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<h2 style="margin: 0;">WEATHER STATION</h2>		
POST MOUNTED	APPROVED BY: MPH		
STD. G-010 3/4"=1'-0"	REV:		

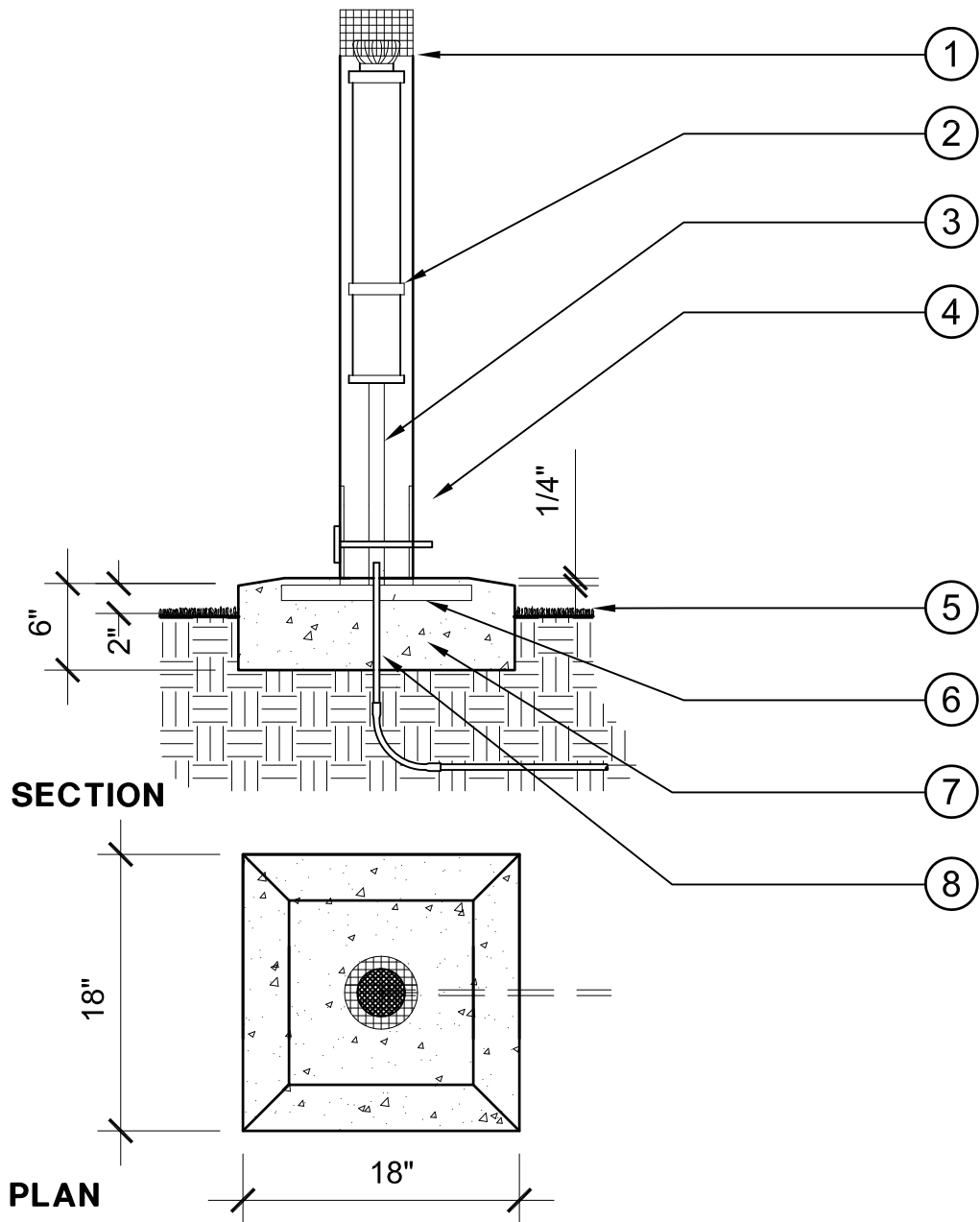
LOCATE RAINBUCKET  
AT A HEIGHT FREE AND CLEAR  
OF OVERSPRAY FROM  
EXISTING SPRAY HEADS, ROTORS  
AND DRIPPING FROM ADJACENT TREES






- ① INSTALL MOUNTING CLAMPS ON BOTH SIDES OF MOUNTING BRACKET SECURE TO POST
- ② RAINBUCKET
- ③ 2" GALVANIZED RIGID STEEL PIPE MOUNTING POST
- ④ 18" X 18" (6" THICK) CONCRETE BASE (INSTALL 2" ABOVE FINISH GRADE)
- ⑤ 2" T x T GALVANIZED COUPLER AND 2" RIGID GALVANIZED PIPE SWEEP
- ⑥ FINISH GRADE
- ⑦ REDUCTION OF CONDUIT SIZE TO 1" SCH 40 AT END OF SWEEP
- ⑧ 2-CONDUCTOR CABLE (MAXIMUM LENGTH 200')

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<h1>RAINBUCKET</h1>		
POST MOUNTED	APPROVED BY: MPH		
STD. G-011	3/4"=1'-0"	REV:	

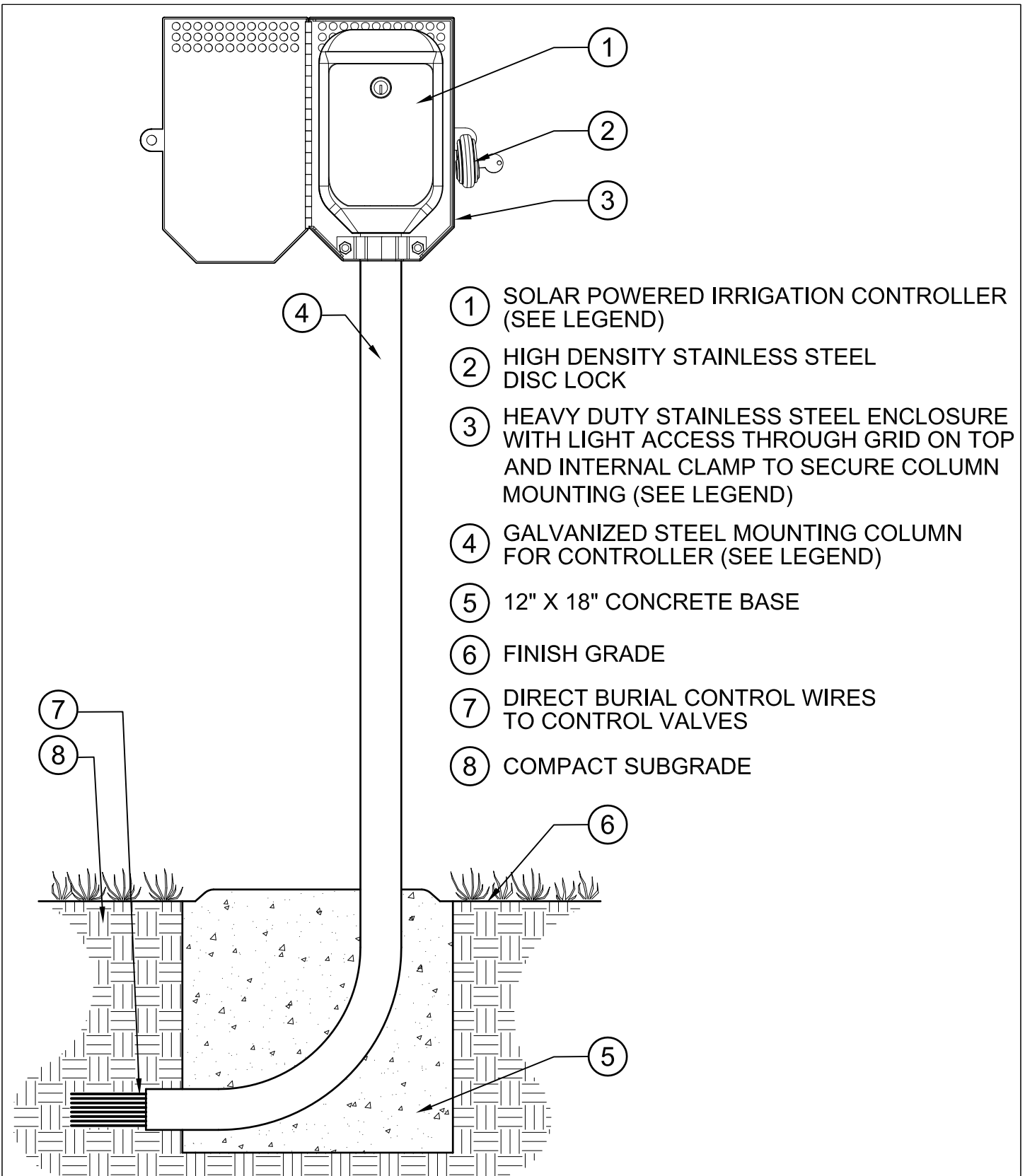





- ① STAINLESS STEEL ENCLOSURE (SEE SPECIFICATIONS)
- ② ET GAGE (SEE SPECIFICATIONS)
- ③ ET GAGE MOUNTING BRACKET
- ④ T-PINS WITH DRILLED HOLES FOR PADLOCKS
- ⑤ FINISH GRADE
- ⑥ METAL BASE PLATE (POUR CONCRETE 1" ABOVE)
- ⑦ CONCRETE BASE
- ⑧ 1/2" PVC SCH 40 CONDUIT AND SWEEP FOR PAIGE P-7171-D CABLE (TO CONTROLLER)

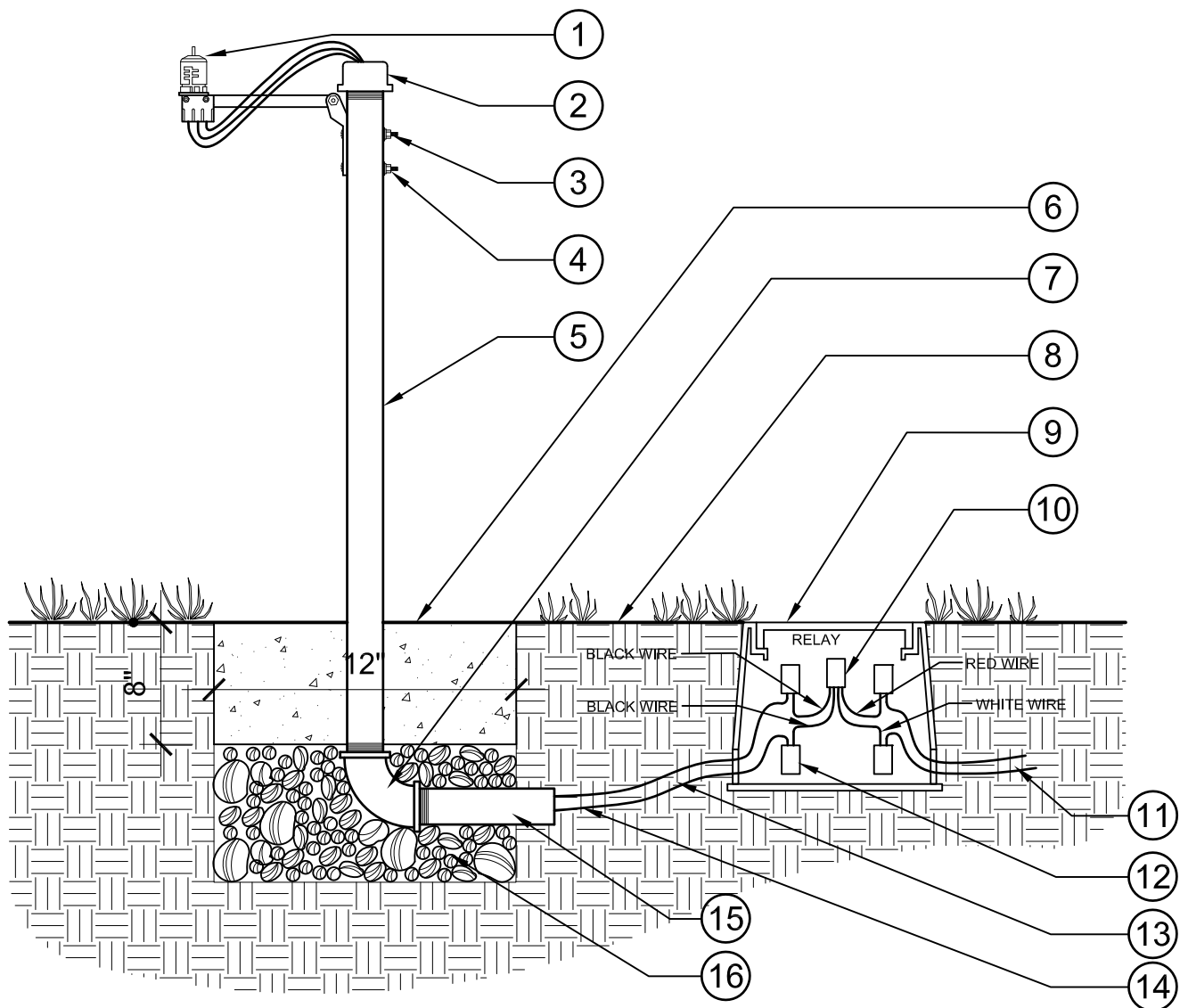
	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<b>ET GAGE</b>		 
	IN STAINLESS STEEL ENCLOSURE	APPROVED BY: MPH	
STD. G-012	1"=1'-0"	REV:	





- ① SOLAR POWERED IRRIGATION CONTROLLER (SEE LEGEND)
- ② HIGH DENSITY STAINLESS STEEL DISC LOCK
- ③ HEAVY DUTY STAINLESS STEEL ENCLOSURE WITH LIGHT ACCESS THROUGH GRID ON TOP AND INTERNAL CLAMP TO SECURE COLUMN MOUNTING (SEE LEGEND)
- ④ GALVANIZED STEEL MOUNTING COLUMN FOR CONTROLLER (SEE LEGEND)
- ⑤ 12" X 18" CONCRETE BASE
- ⑥ FINISH GRADE
- ⑦ DIRECT BURIAL CONTROL WIRES TO CONTROL VALVES
- ⑧ COMPACT SUBGRADE

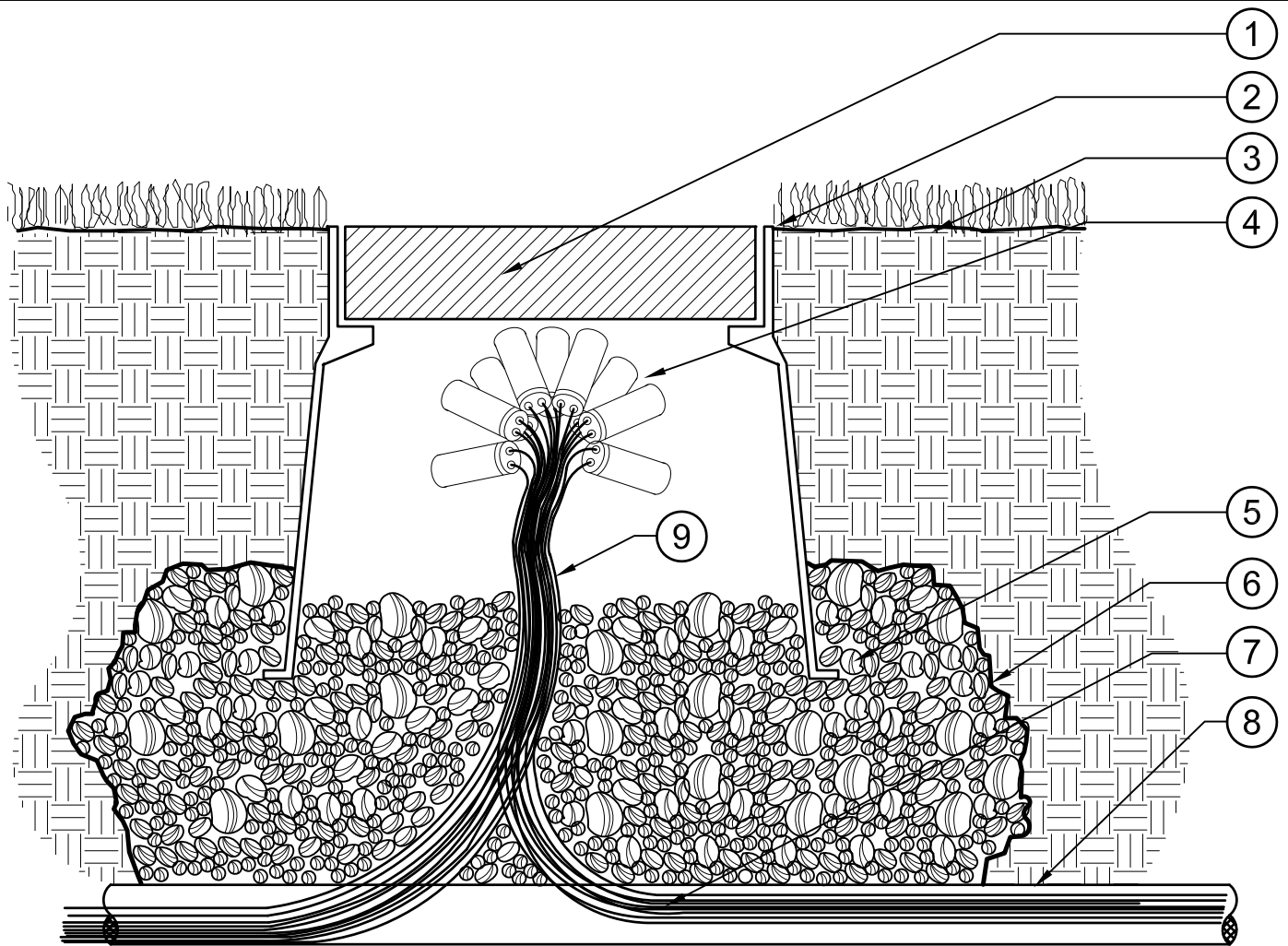
	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<b>SOLAR POWERED IRRIGATION CONTROLLER</b>		
	IN STAINLESS STEEL ENCLOSURE	APPROVED BY: MPH	
STD. G-013	1 1/2"=1'-0"	REV:	



- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>① RAIN SENSOR</li> <li>② GALVANIZED PIPE CAP WITH HOLE FOR WIRES</li> <li>③ DRILL TWO 3/16 HOLES IN PIPE FOR SENSOR BRACKET</li> <li>④ (2) #8-32 MACHINE SCREWS WITH WASHER, LOCK WASHER AND NUT</li> <li>⑤ 1 1/2" GALVANIZED RIGID STEEL PIPE MOUNTING POST (6 TO 10 FEET HIGH)</li> <li>⑥ 12"X12" CONCRETE BASE 8" DEEP MINIMUM</li> <li>⑦ 1 1/2" FIPT X FIPT GALVANIZED 90 DEGREE PIPE ELBOW</li> <li>⑧ FINISH SURFACE</li> </ul> | <ul style="list-style-type: none"> <li>⑨ 6" ROUND VALVE BOX</li> <li>⑩ RAIN SENSOR RELAY ADAPTER (SEE LEGEND AND SPECIFICATIONS)</li> <li>⑪ SENSOR WIRES TO CONTROLLER</li> <li>⑫ DRY SPLICE CONNECTORS (4) REQUIRED</li> <li>⑬ PILOT WIRE FROM SENSOR</li> <li>⑭ COMMON WIRE FROM SENSOR</li> <li>⑮ 1 1/2" X 8" GALVANIZED NIPPLE (ADD FOAM TO SEAL)</li> <li>⑯ 3/4" GRAVEL SUMP 1 CU. FT.</li> </ul> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS	DATE: 02-05-13
	<b>RAIN SENSOR ASSEMBLY</b>	
	POST MOUNTED	APPROVED BY: MPH
STD. G-014	1"=1'-0"	REV:





- ① STANDARD RECTANGULAR BOX W/ LOCKING LID (DO NOT CUT ADDITIONAL HOLES IN BOX)
- ② FLUSH IN LAWN AREAS, 2" IN SHRUB AREAS
- ③ FINISH GRADE
- ④ WIRE CONNECTORS (ONE FOR EACH SPLICE) LABEL ALL WIRE ENDS WITHIN 1" OF CONNECTOR.

- ⑤ 3/4" GRAVEL SUMP IN, UNDER, AND AROUND VALVE BOX. FILL TO TOP OF VALVE BOX HOLES.
- ⑥ INSTALL FILTER FABRIC AROUND GRAVEL SUMP.
- ⑦ ELECTRIC CONTROL WIRES AND COMMON WIRE
- ⑧ PRESSURE SUPPLY LINE
- ⑨ 24" MIN. LENGTH TO EACH LEG OF WIRE IN SPLICE BOX, DO NOT COIL.



RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS

DATE: 02-05-13

## LOW VOLTAGE SPLICE CONNECTION

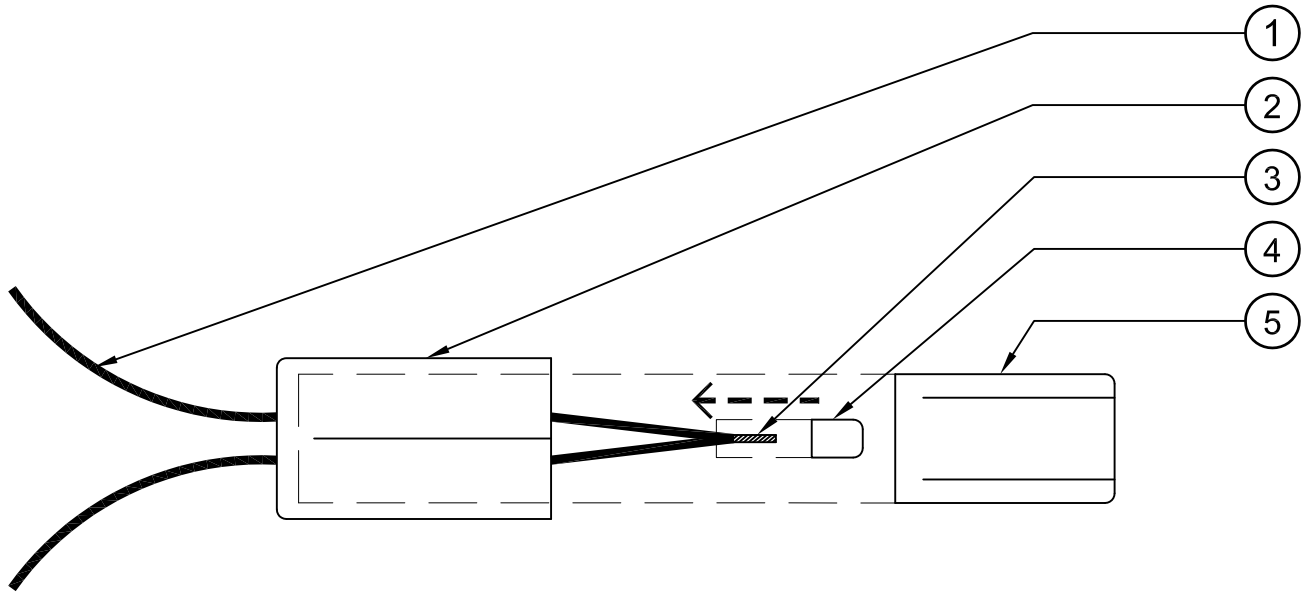
APPROVED BY: MPH

REV:



STD. G-020

3"=1'-0"





- ① LOW VOLTAGE WIRES, 3 MAXIMUM
- ② OUTER CASE OF CONNECTOR
- ③ STRIP AND TWIST WIRES FOR PROPER CONNECTION
- ④ COPPER SLEEVE CRIMP INSTALLED WITH RECOMMENDED TOOL
- ⑤ INNER CASE OF CONNECTOR

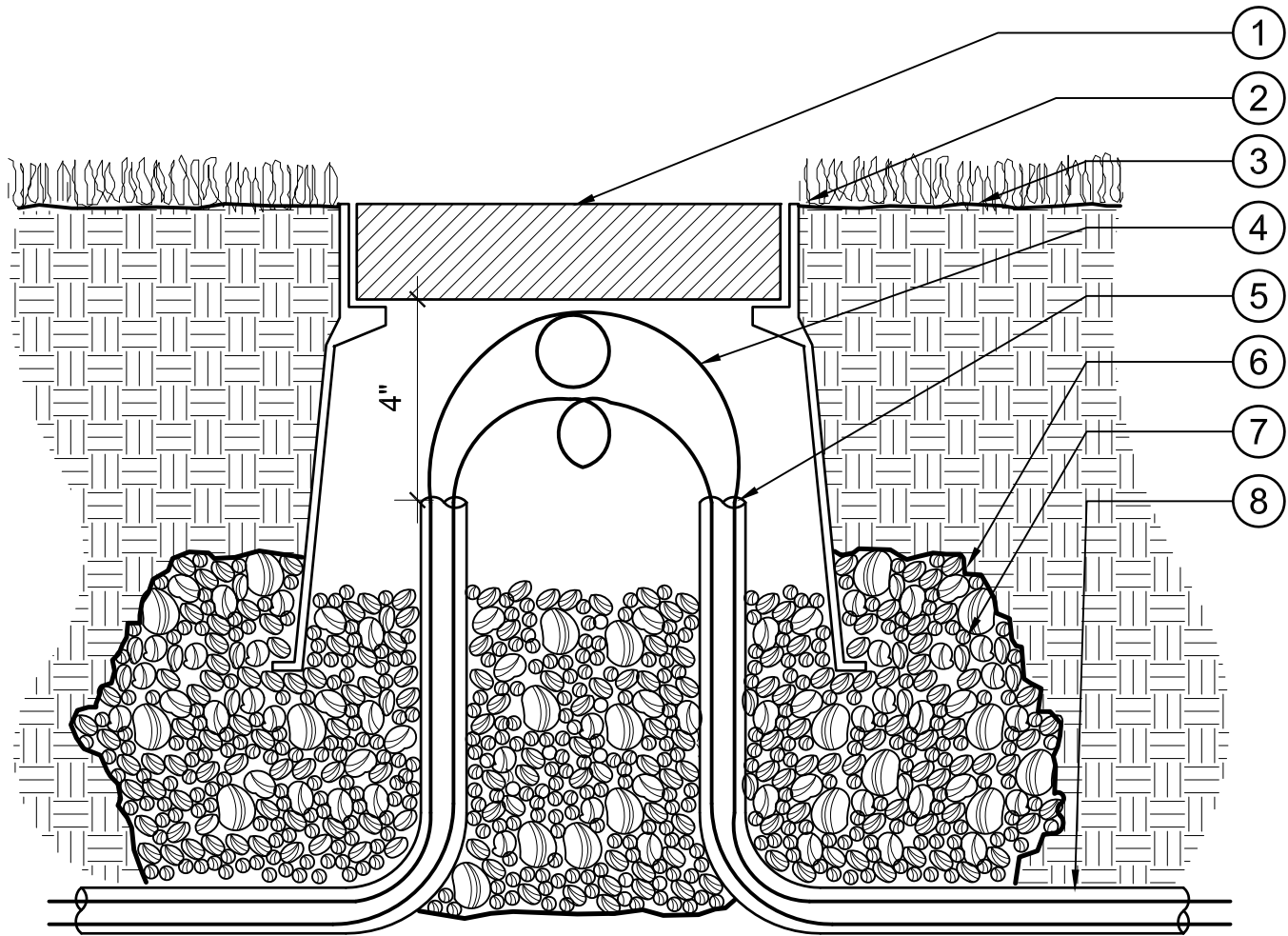
NOTE:

-FILL INNER CASE FILLED WITH SEALER PRIOR TO FINAL ASSEMBLY

-ALL WIRE ROUTED BETWEEN CONTROLLER AND REMOTE CONTROL VALVES SHALL BE A CONTINUOUS RUN WITH NO WIRE SPLICES

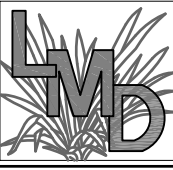

-WIRE SPLICES SHALL ONLY OCCUR AT THE REMOTE CONTROL VALVE.

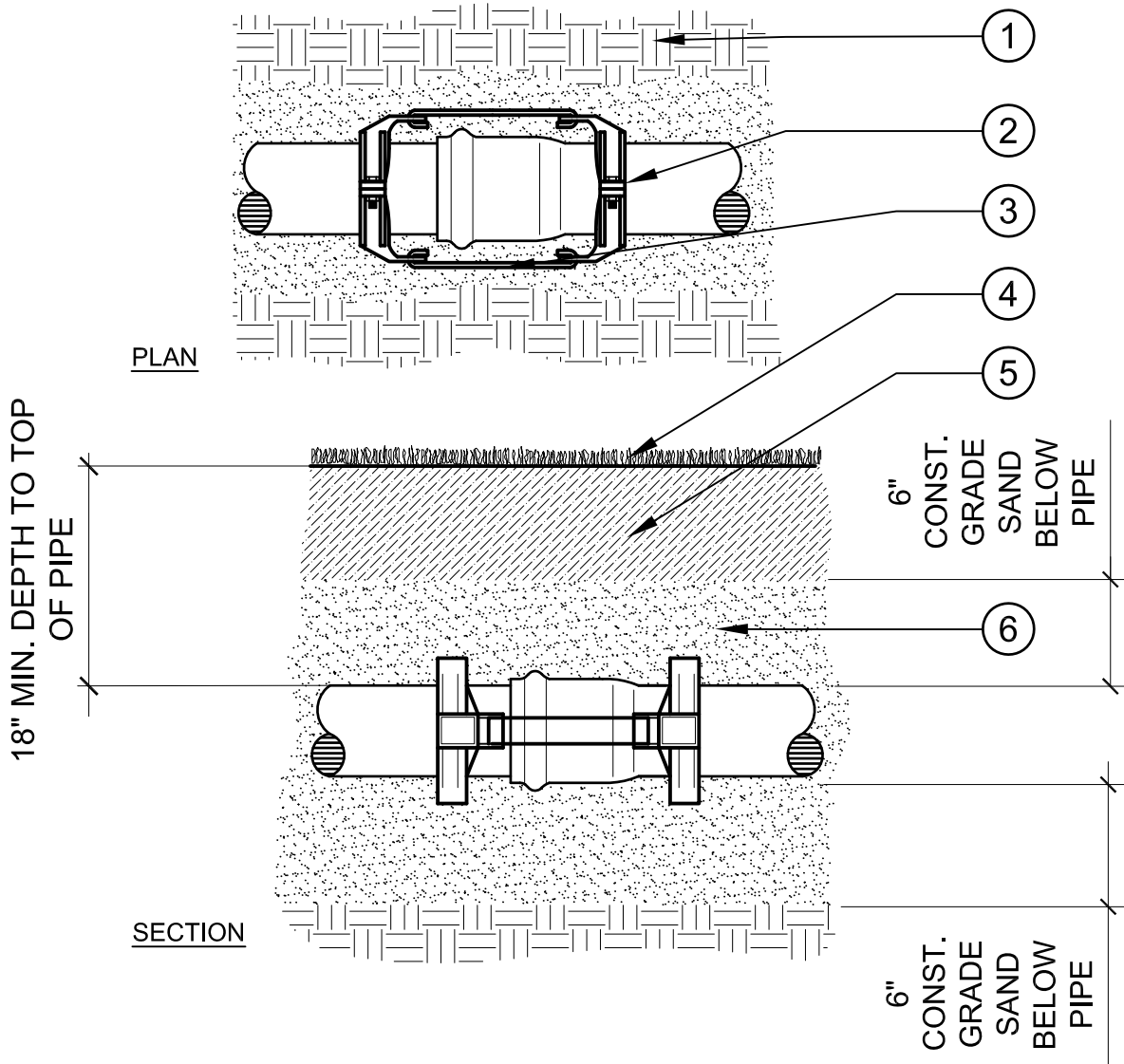
	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<h2 style="margin: 0;">LOW VOLTAGE WIRE CONNECTOR</h2>		
STD. G-021	N.T.S.	APPROVED BY: MPH	
		REV:	



- ① 10" PLASTIC BOX W/ LOCKING LID
- ② FLUSH IN LAWN AREAS, 2" IN SHRUB AREAS
- ③ FINISH GRADE
- ④ FLOW SENSOR AND / OR MASTER VALVE CABLE
- ⑤ ADD FOAM TO CONDUIT ONCE WIRE PULL IS COMPLETE (SEE SPECIFICATIONS)
- ⑥ INSTALL FILTER FABRIC AROUND GRAVEL SUMP
- ⑦ 3/4" GRAVEL SUMP IN, UNDER, AND AROUND VALVE BOX. FILL TO TOP OF VALVE BOX HOLES
- ⑧ 1 1/4" COMMUNICATION CONDUIT

NOTE: DO NOT CUT / SPLICE WIRES

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<b>FLOW SENSOR AND MASTER VALVE CABLE PULL BOX</b>		
	EVERY 100'	APPROVED BY: MPH	
3"=1'-0"	REV:		



- ① EXISTING SUBSURFACE
- ② DUCTILE IRON CLAMP  
(2 REQUIRED)
- ③ DUCTILE IRON TIE BAR  
(2 REQUIRED)
- ④ FINISH GRADE
- ⑤ BACKFILL (FREE OF DEBRIS AND ROCK  
GREATER THE 1" SEE SPECIFICATIONS)
- ⑥ CONSTRUCTION GRADE SAND ABOVE  
AND BELOW PRESSURE SUPPLY LINE



RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS

DATE: 02-05-13

## JOINT RESTRAINT

FOR PIPE SIZES 4" AND GREATER

APPROVED BY: MPH

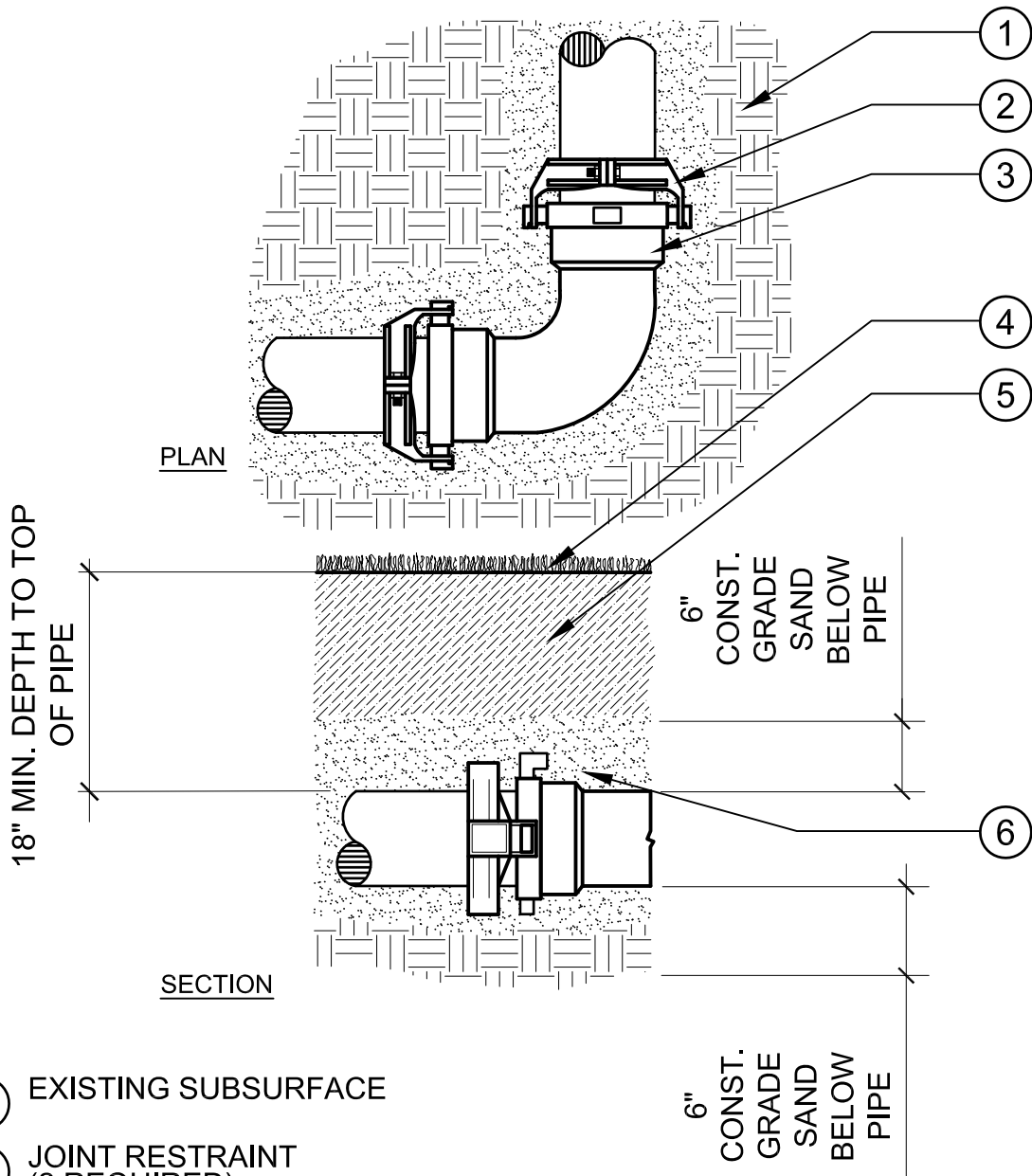
REV:





STD. G-030

1"=1'-0"





- ① EXISTING SUBSURFACE
- ② JOINT RESTRAINT  
(2 REQUIRED)
- ③ DUCTILE IRON  
4 LUG FITTING
- ④ FINISH GRADE
- ⑤ BACKFILL (FREE OF DEBRIS AND ROCK  
GREATER THE 1" SEE SPECS.)
- ⑥ CONSTRUCTION GRADE SAND ABOVE  
AND BELOW PRESSURE SUPPLY LINE.

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<b>ELBOW WITH JOINT RESTRAINT</b>		
	FOR PIPE SIZES 4" AND GREATER	APPROVED BY: MPH	
STD. G-031	1"=1'-0"	REV:	



**Minimum Restrained Length ("L") in feet**

Pipe Size	Degree of Bend				Step Reduction			Dead End	Gate Valve
	11	22	45	90	1	2	3		
2"	1	1	2	6				19	10
2.5"	1	2	4	9	4			23	12
3"	2	3	6	11	8	10		30	15
4"	2	4	9	20	14	20	31	45	23
6"	3	6	13	29	30	40	53	63	31
8"	4	8	15	38	33	55	63	75	38
10"	5	9	19	45	31	56	75	96	48
12"	5	10	21	53	54	58	79	112	56
14"	6	11	24	58	30	70	74	118	58
16"	6	13	27	65	30	54	90	130	65

1 step reduction is one pipe size down (i.e. 8 x 6)  
 2 step reduction is two pipe sizes down (i.e. 8 x 4)  
 3 step reduction is three pipe sizes down (i.e. 8 x 3)




**Joint Restraints**

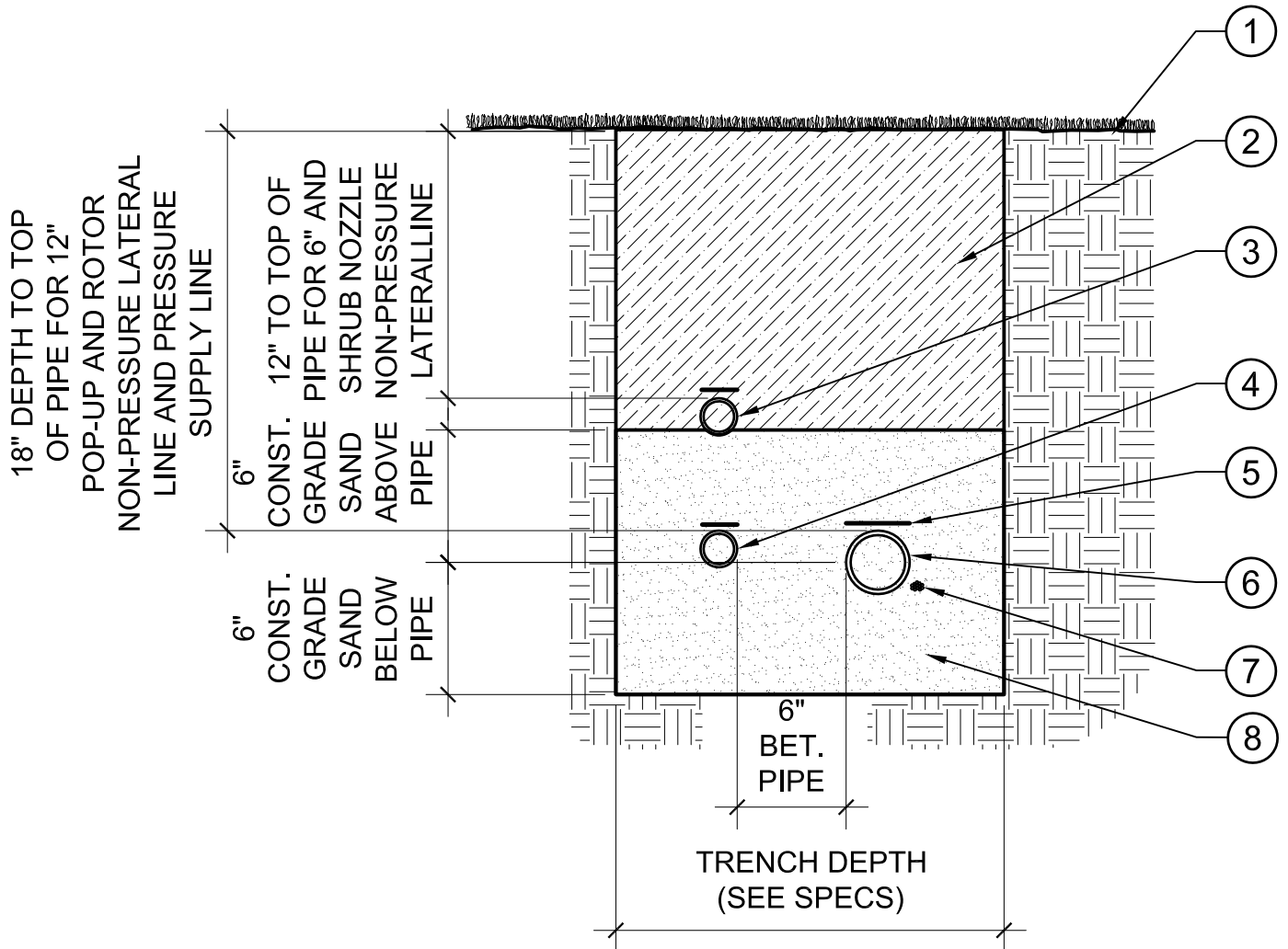
The table below shows the number of adjacent joints to restrain.

Pipe Size	Bends				Step Reduction			Dead End	Gate Valve
	11	22	45	90	1	2	3		
2"									
2.5"								1	
3"								1	
4"				1		1	1	2	1
6"				1	1	2	2	3	1
8"				1	1	2	3	3	1
10"			1	2	1	2	3	4	2
12"			1	2	2	2	3	4	2
14"			1	3	2	3	3	4	NA
16"			1	3	2	3	4	5	NA




Step Reduction Example: 1 Step (8" x 6"), 2 Step (8" x 4"), 3 Step (8" x 3")

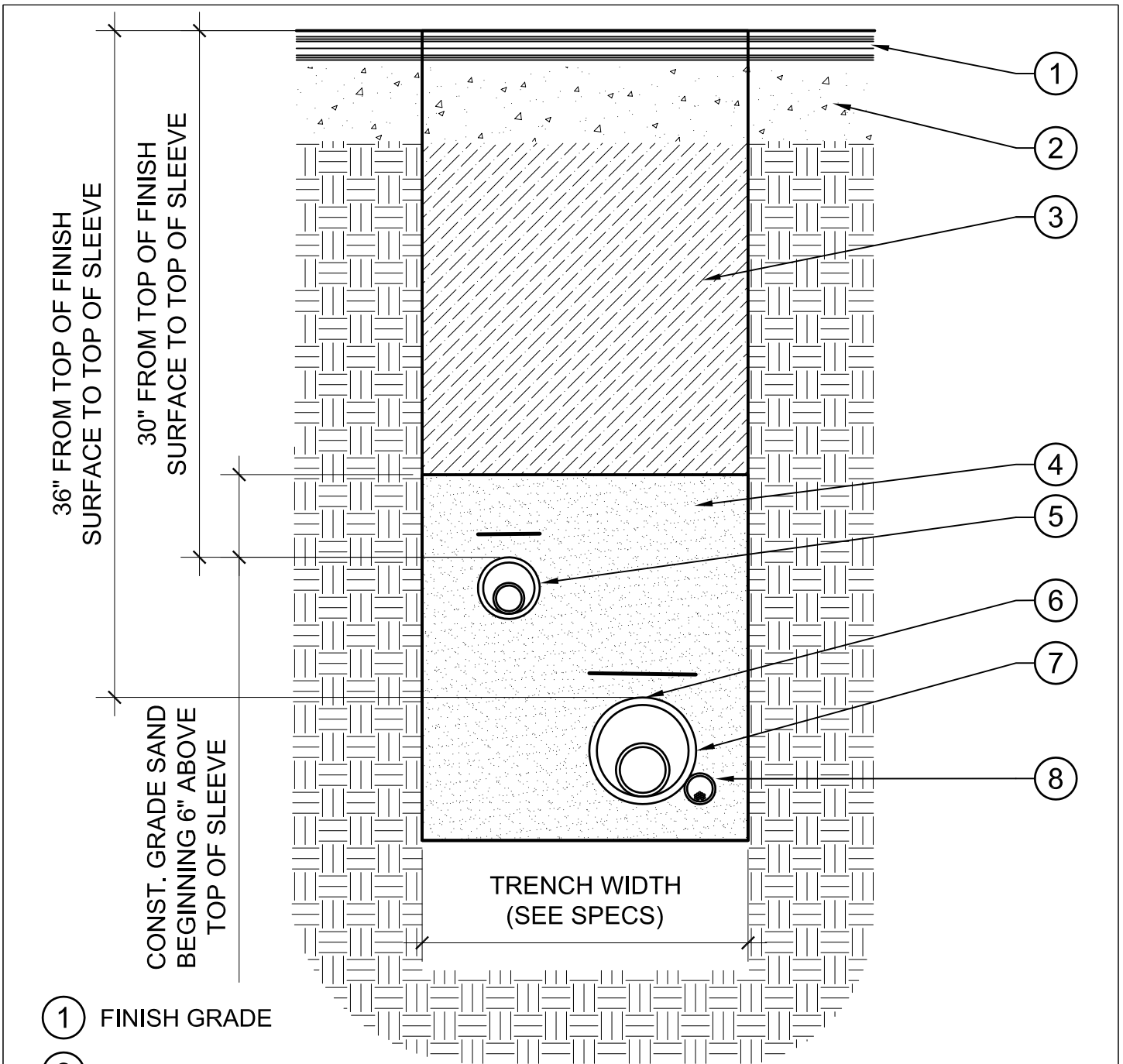
**NOTE: TABLES SHOWN ARE FOR REFERENCE ONLY. CONSULT MANUFACTURER FOR MINIMUM REQUIREMENTS.**

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<h2>JOINT RESTRAINT TABLE</h2>		
	FOR PIPE SIZES 4" AND GREATER		
STD. G-032	N.T.S.	REV:	






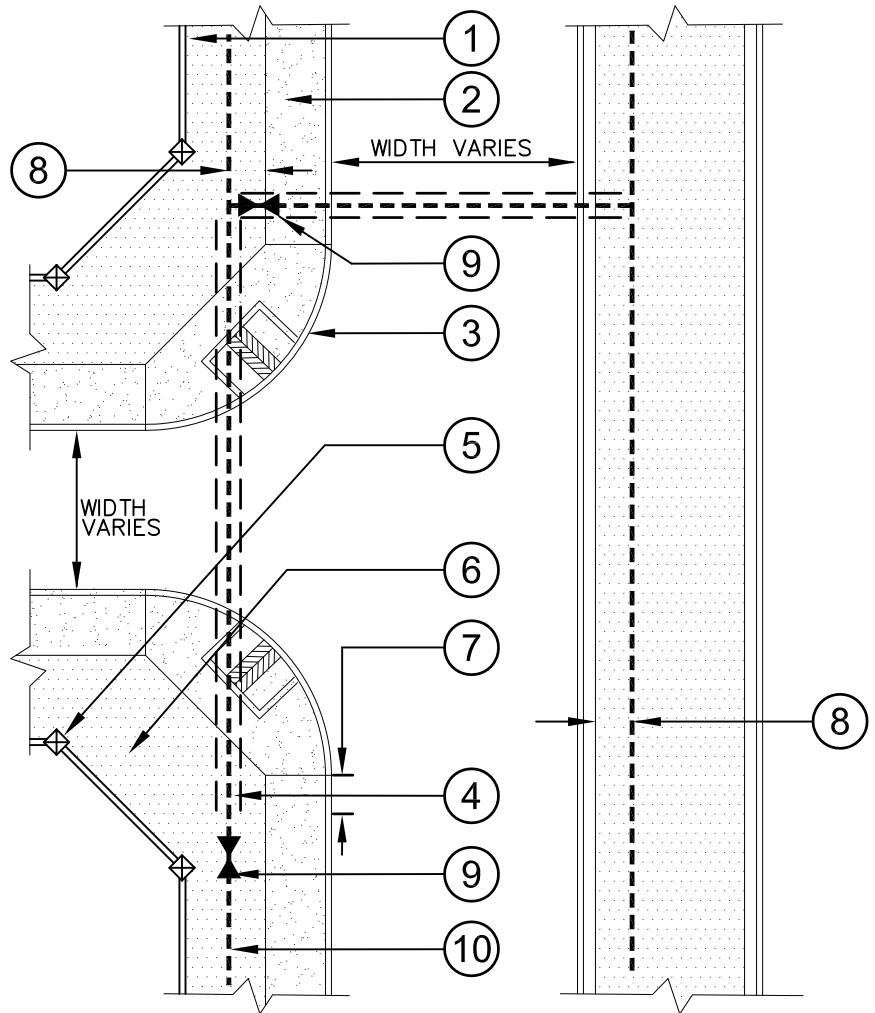
- ① FINISH GRADE
- ② BACKFILL (FREE OF DEBRIS AND ROCK GREATER THAN 1", SEE SPECIFICATIONS)
- ③ NON-PRESSURE LATERAL LINE FROM SIX INCH POP-UP OR HEADS ON RISER
- ④ NON-PRESSURE LATERAL LINE FROM ROTORS OR 12 INCH POP-UPS
- ⑤ DETECTOR WATER METALIC TAPE
- ⑥ PRESSURE SUPPLY LINE (SEE PLAN FOR SIZE)
- ⑦ CONTROL WIRES DIRECT BURIED ADJACENT TO AND TO THE SIDE OF PRESSURE SUPPLY LINE
- ⑧ CONSTRUCTION GRADE SAND ABOVE AND BELOW PRESSURE SUPPLY LINE

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<b>TRENCH IN LANDSCAPE</b>		
STD. G-040	3"=1'-0"	APPROVED BY: MPH	 
		REV:	



- ① FINISH GRADE
- ② BASE MATERIAL
- ③ BACKFILL MATERIAL (FREE OF DEBRIS AND ROCKS GREATER THAN 1")
- ④ CONSTRUCTION GRADE SAND BEGINNING 6" ABOVE TOP OF NON-PRESSURE LATERAL SLEEVE
- ⑤ NON- PRESSURE LATERAL LINE SLEEVE(SEE SPECIFICATION)
- ⑥ DETECTOR WATER METALIC TAPE (SEE SPECIFICATIONS)
- ⑦ PRESSURE SUPPLY LINE SLEEVES (SEE SPECIFICATIONS)
- ⑧ CONDUIT FOR WIRE (SEE SPECIFICATIONS)

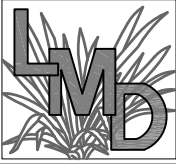

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<b>TRENCH IN HARDSCAPE</b>		
	OR AT STREET CROSSING	APPROVED BY: MPH	
STD. G-041	3"=1'-0"	REV:	 

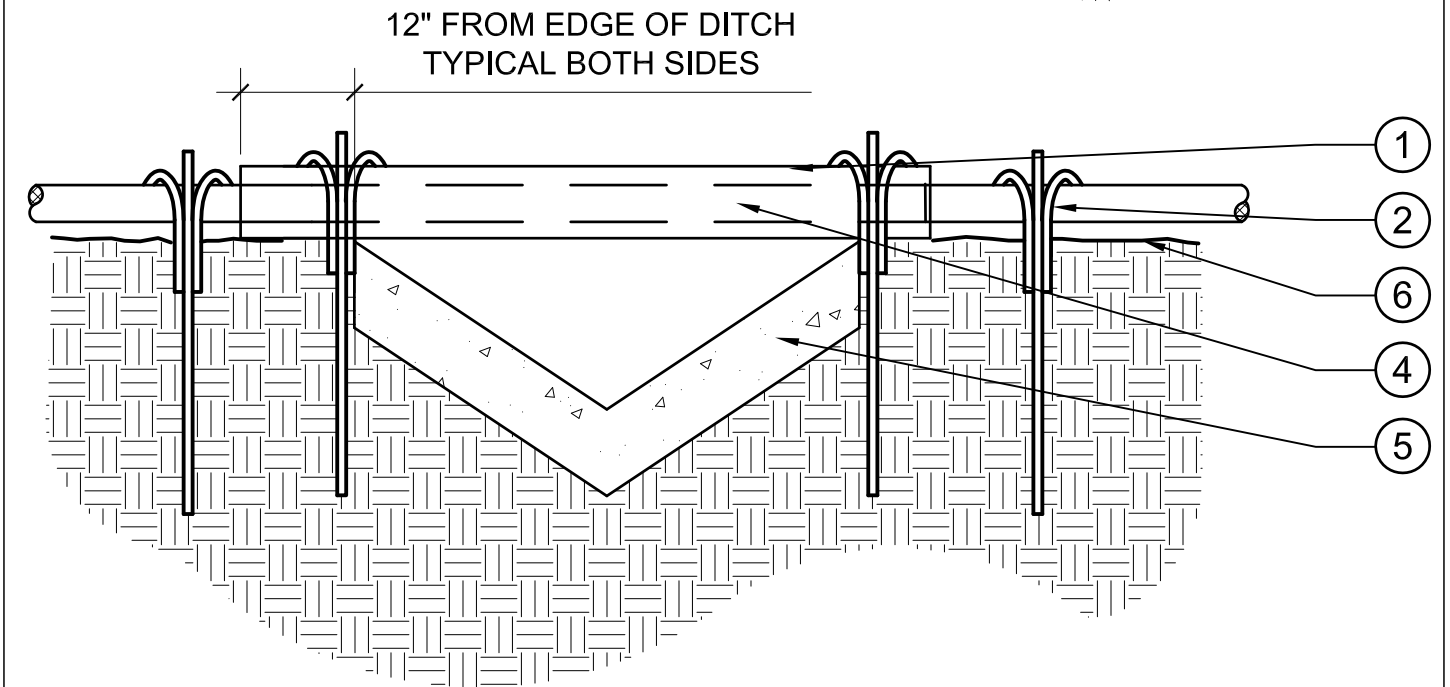
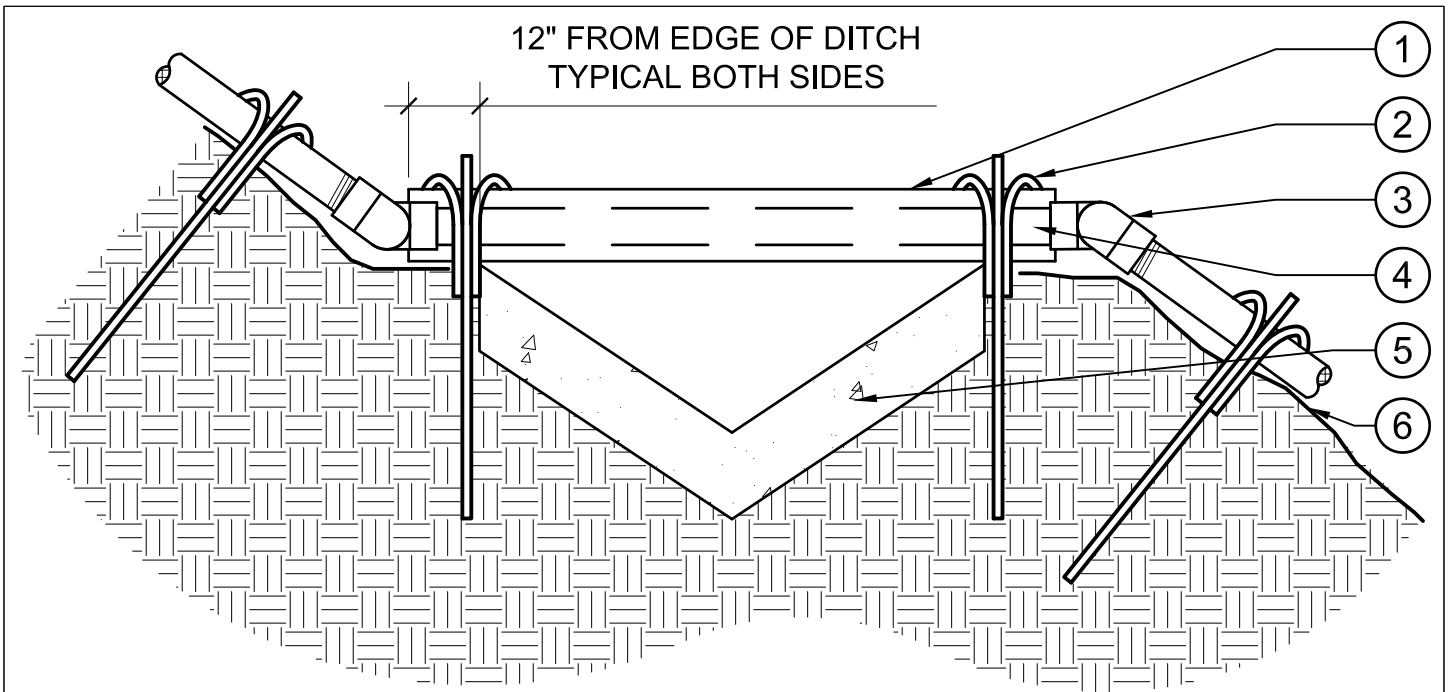


- ① TRACT BLOCK WALL
- ② STANDARD SIDEWALK
- ③ STANDARD CURB
- ④ IRRIGATION SLEEVES AS REQ'D EXTEND 24" BEYOND EDGE OF CURB RADIUS AND INSTALL 7'-6" FROM THE CURB, TYPICAL  
WHERE SLEEVES RUN PERPENDICULAR TO CURB, EXTEND SLEEVES 24" BEYOND HARDSCAPE EDGE, TYPICAL  
PROVIDE MAINLINE, WIRING AND LATERAL SLEEVING PER PLAN PER DETAIL G-041
- ⑤ BLOCK PILASTER TYPICAL
- ⑥ TYPICAL PLANTER / MONUMENT ENTRANCE
- ⑦ 24" BEYOND CURB RADIUS TYPICAL
- ⑧ 18" BACK OF SIDEWALK OR MAINT. BAND (7'-6" OR 3'-6" FROM FROM CURB FACE )
- ⑨ ISOLATION VALVE PRIOR TO STREET CROSSING (SEE PLAN AND SPECS)
- ⑩ MAINLINE PER PLAN, SPECIFICATIONS AND DETAILS, INSTALL 18" FROM BACK OF SIDEWALK OR MAINT. BAND

NOTES:

1. LINES MUST HAVE MINIMUM CLEARANCE OF 4" FROM EACH OTHER AND 24" FROM OTHER TRADES
2. ALL SLEEVES MUST BE SCH 40 2X THE SIZE OF THE LINE SIZE

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS		DATE: 02-05-13
	<h2 style="margin: 0;">STREET SLEEVING</h2>		
STD. G-042	N.T.S.	APPROVED BY: MPH	
		REV:	



- ① PVC UVR RESISTANT NON-PRESSURE LATERAL LINE IN GALVANIZED STEEL SLEEVE
- ② PIPE 'J' HOOK STABILIZER BAR WITH VINYL COATING (MIN 4 REQUIRED)
- ③ SWING JOINT UTILIZING 4 PVC STREET ELS (2 ON BOTH SIDES OF V-DITCH)
- ④ PVC UVR RESISTANT SCH 40 NON-PRESSURE LATERAL LINE
- ⑤ CONCRETE V-DITCH
- ⑥ FINISH GRADE

	RIVERSIDE COUNTY TLMA: PLANNING AND TRANSPORTATION DEPARTMENTS	DATE: 02-05-13
	<b>NON-PRESSURE LATERAL LINE</b>	
	CROSSING OVER V-DITCH	APPROVED BY: MPH
STD. G-043	3"=1'-0"	REV:

