RECOMMENDATIONS. FINAL LOCATION TO BE

CONTRACTOR TO PROVIDE GATE VALVE AFTER BACKFLOW FOR IRRIGATION MAINLINE CONNECTION

60 PSI

16 GPM

APPROVED BY OWNER'S REPRESENTATIVE

POINT OF CONNECTION DATA

PRIOR TO INSTALLATION.

EXISTING STATIC WATER PSI:

MAXIMUM FLOW DEMAND:

WATER SUPPLY LINE:

METER SIZE:

BACKFLOW SIZE:

IRRIGATION SPRINKLER LEGEND

SYMBOL M	1ANUFACTURER	MODEL	BODY DESCRIPTION	NOZZLE	RADIUS	FLOW	PSI	PATTERN
	HUNTER	MP ROTATOR	HUNTER 12" PRO-SPRAY	MP1000	8-15 FT.	0.75	40	360
	HUNTER	MP ROTATOR	HUNTER 12" PRO-SPRAY	MP1000	8-15 FT.	0.37	40	180
	HUNTER	MP ROTATOR	HUNTER 12" PRO-SPRAY	MP1000	8-15 FT.	0.19	40	90

1. CONTRACTOR SHALL ADJUST RADIUS AS NEEDED ON ALL SPRAY NOZZLES IN ORDER TO AVOID OVERSPRAY ONTO WALKS AND BUILDINGS AND TO PREVENT SPRAY FROM BEING DIRECTED OUTSIDE THE BOUNDARIES OF THE LANDSCAPE AREA.

#### IRRIGATION MAINLINE EQUIPMENT

SYMBOL	MANUFACTURER	MODEL	DESCRIPTION
			2" METER AND BACKFLOW DEVICE PROVIDED BY CIVIL. VERIFY LOCATION IN FIELD.
M	HUNTER	ICY-201G	2" MASTER VALVE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
F	HUNTER	HFS	FLOW SYNC SENSOR WITH FCT-200 RECEPTACLE TEE. INSTALL PER MANUFACTURERS SPECIFICATIONS.
₩	NIBCO	T-113	THREADED GATE VALVE (LINE SIZE 2-1/2" AND SMALLER). PROVIDE IN VALVE BOX.
$\langle A \rangle$	HUNTER	IC-4200-M	42 STATION CONTROLLER WITH WIRELESS SOLAR SYNC (WSS-SEN). INSTALL PER MANUFACTURER'S SPECIFICATIONS.
$\langle B \rangle$	HUNTER	IC-1800-M	IS STATION CONTROLLER WITH WIRELESS SOLAR SYNC (WSS-SEN), INSTALL PER MANUFACTURER'S SPECIFICATIONS.
⟨c⟩	HUNTER	IC-4200-M	42 STATION CONTROLLER WITH WIRELESS SOLAR SYNC (WSS-SEN). INSTALL PER MANUFACTURER'S SPECIFICATIONS.
•	HUNTER	HQ-33DRC	QUICK COUPLING VALVE WITH RUBBER COVER. PROVIDE IN VALVE BOX.
	HUNTER	ICY-G SERIES	REMOTE CONTROL VALVE. SEE PLAN FOR SIZE. PROVIDE IN VALVE BOX.

#### IRRIGATION DRIP EQUIPMENT

SYMBOL	MANUFACTURER	MODEL	DESCRIPTION
$\bigoplus$	HUNTER	ICZ SERIES	REMOTE CONTROL DRIP ZONE VALVE. SEE PLAN FOR SIZE, PROVIDE IN VALVE BOX.
(L) HUNTER PLD-BY ROCK PROVIDE ONE VALVE ,		PLD-BY	LINE FLUSHING YALVE. PLACE IN 8" ROUND YALVE BOX WITH ONE CUBIC FOOT OF DRAIN ROCK, PROVIDE ONE YALVE AT THE LOWEST POINT ON EACH EXHAUST HEADER. SEE PLAN FOR APPROXIMATE LOCATIONS.
A	HUNTER	PLD-AVR	AIR RELIEF VALVE. PLACE IN 8" ROUND VALVE BOX WITH ONE CUBIC FOOT OF DRAIN ROCK. PROVIDE ONE VALVE AT THE HIGHEST POINT ON EACH EXHAUST HEADER. SEE PLAN FOR APPROXIMATE LOCATIONS.
	HUNTER	PLD-06-18	DRIPPER LINE WITH 06 GPH FLOW RATE AND 18" DRIPPER SPACING, PLACED AT 18" O.C. PROVIDE 6" BELOW FINISH GRADE OF TOP DRESSING (4" BELOW FINISHED SOIL GRADE). INSTALL PER MANUFACTURER'S SPECIFICATIONS AND DETAILS.

#### IRRIGATION PIPING

	SYMBOL	TYPE	DESCRIPTION	
		PRESSURE MAIN LINE	PVC CLASS 200 RING TITE FOR SIZES 3" AND LARGER. PVC SCHEDULE 40 FOR SIZES 2 1/2" AND SMALLER (SIZE AS NOTED).	
		NON-PRESSURE LATERAL	PVC CLASS 200 (SIZE AS NOTED)	
		CONDUIT	PVC SCHEDULE 40 - 2" MIN. DIAMETER FOR LOW VOLTAGE WIRING.	
		SLEEVE	PYC SCHEDULE 40 - TWICE THE DIAMETER OF THE LINE SIZE MINIMUM OR AS NOTED ON PLAN. INSTALL 24" BELOW FINISHED GRADE. EXTEND 12" PAST END OF PAYING.	
	AI •	INDICATES CONTROLLER LET	TER DESIGNATION AND STATION NUMBER	
	13.0	INDICATES FLOW IN GALLONS	PER MINUTE	
	1" •	INDICATES ELECTRIC CONTROL VALVE SIZE		
SUB * INDICATES IRRIGATION METHOD: S = SHRUB/GC, MP = MP ROTATOR, BUBBLER, ROTOR, SUBSURFACE.			DD: 9 = 9HRUB/GC, MP = MP ROTATOR, BUBBLER, ROTOR, SUBSURFACE.	

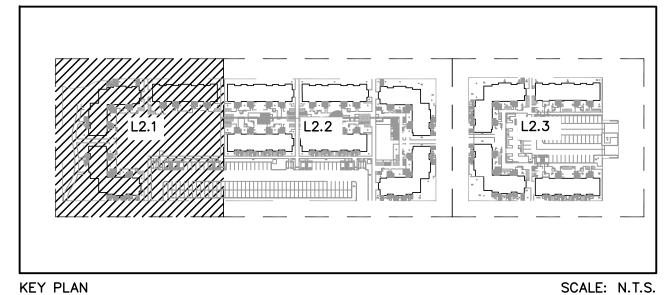


SCALE: 1" = 20' - 0"

IRRIGATION SYSTEM NOTE:

IRRIGATION SYSTEM AS SHOWN ON PLANS IS DIAGRAMMATIC ONLY FOR GRAPHIC CLARITY. ALL IRRIGATION EQUIPMENT, INCLUDING MAIN LINE AND YALVES, SHALL BE PLACED IN PLANTER AREAS, TYPICAL.







landscape architecture . urban design parks & recreation . site & master planning 2250 DOUGLAS BLVD., STE. 130 ROSEVILLE, CA 95661

916.783.5263 WWW.FLLANDGROUP.COM JOB NO. : VCI:12027

CONSULTANT

**BULLETIN #4** LANDSCAPE **REVIEW SET** 

PROJECT:

## UC DAVIS WEST VILLAGE PHASE 3 STUDENT HOUSING

DAVIS, CA

WEST VILLAGE COMMUNITY PARTNERSHIP, LLC

REVISI	ONS	DATE
$\triangle$		
ISSUE		DATE
1	1ST SUBMITTAL	03/08/13
2		
3		
4		
5		



DRAWN KCL KCL CHECKED : SCALE: : 1" = 20'0"

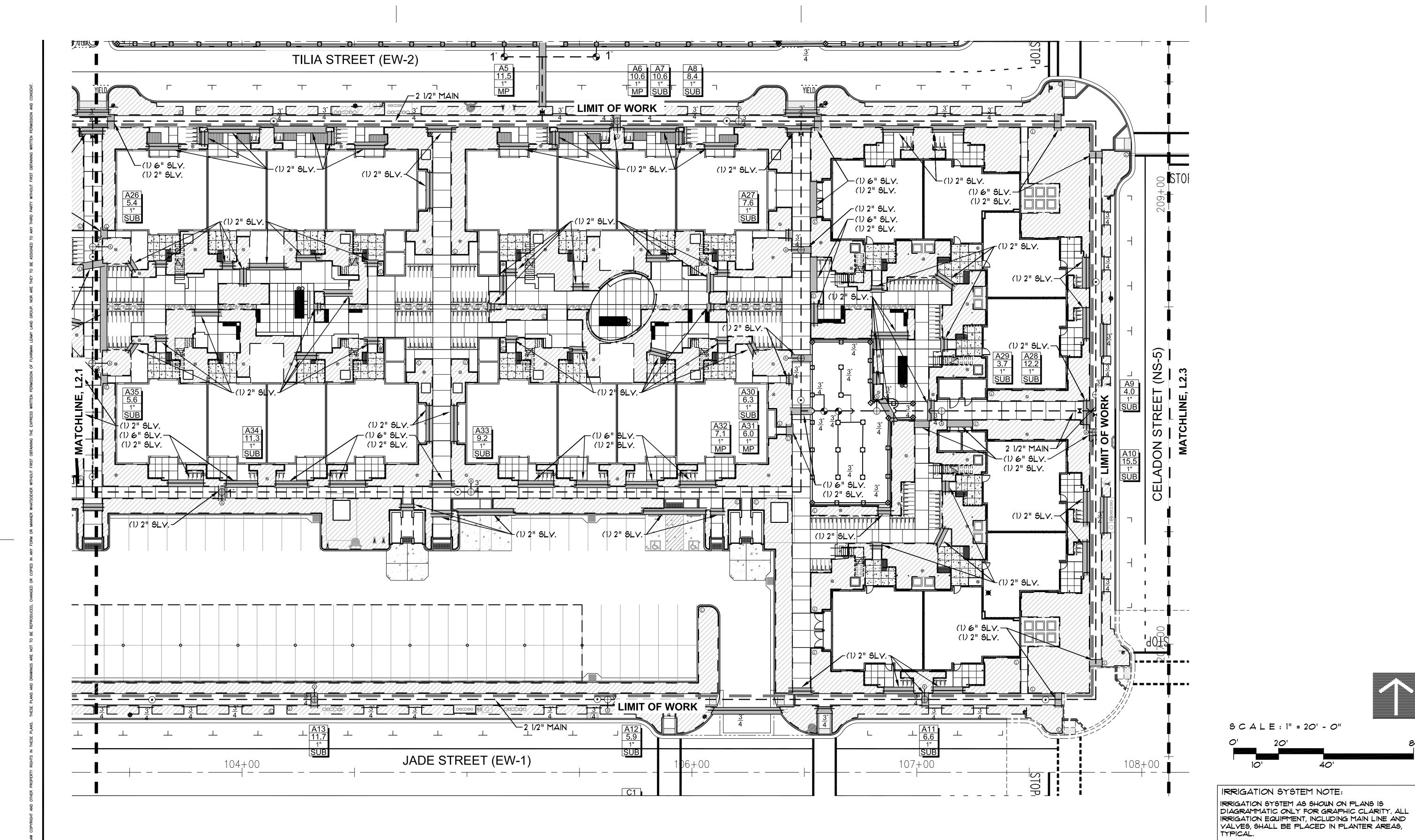
SHEET TITLE:

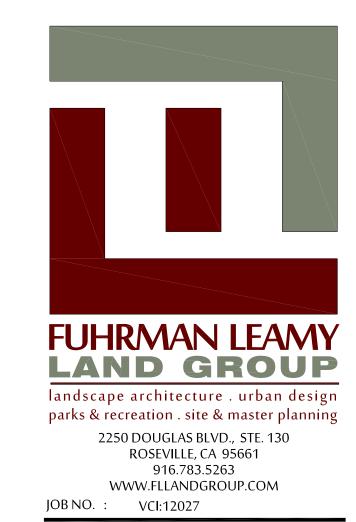
LANDSCAPE **IRRIGATION** PLAN

SHEET

SCALE: N.T.S.

OF 5





BULLETIN #4 LANDSCAPE **REVIEW SET** 

CONSULTANT

## UC DAVIS WEST VILLAGE PHASE 3 STUDENT HOUSING

DAVIS, CA

WEST VILLAGE COMMUNITY PARTNERSHIP, LLC

REVISIONS	DATE
$\triangle$	
$\triangle$	
$\triangle$	
$\triangle$	
ISSUE	DATE
1ST SUBMITTAL	03/08/13
2	
3	
4	
(5)	



Date	
OF CALIFORNIA	

DRAWN:	KCL
CHECKED:	KCL
SCALE: :	1" = 20'0"

SHEET TITLE:

LANDSCAPE IRRIGATION PLAN

SHEET

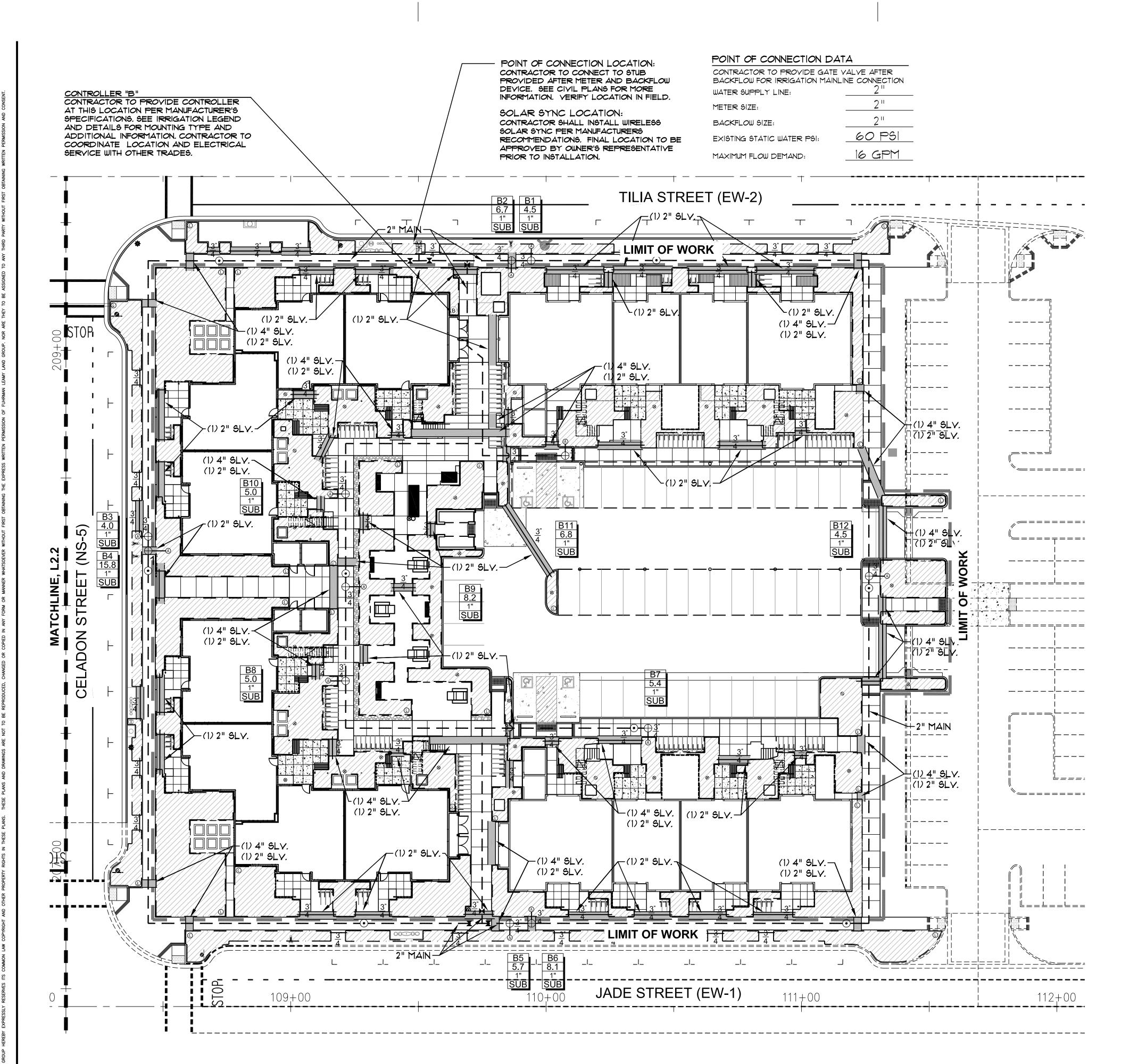
OF

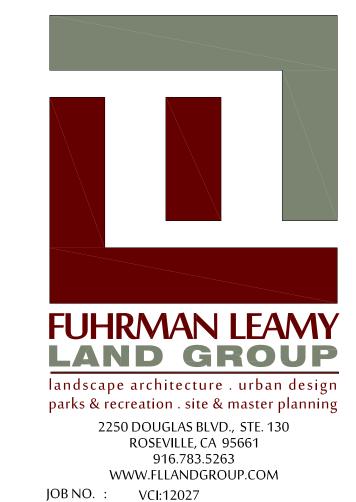
KEY PLAN

NDERGROUND SERVICE ALERT

CALL TOLL FREE 1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG





**BULLETIN #4** LANDSCAPE **REVIEW SET** 

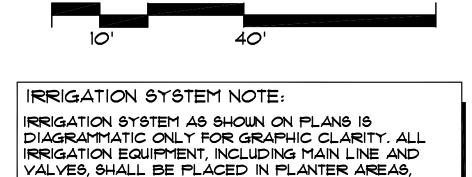
CONSULTANT

## UC DAVIS WEST VILLAGE PHASE 3 **STUDENT** HOUSING

DAVIS, CA CLIENT:

WEST VILLAGE COMMUNITY PARTNERSHIP, LLC

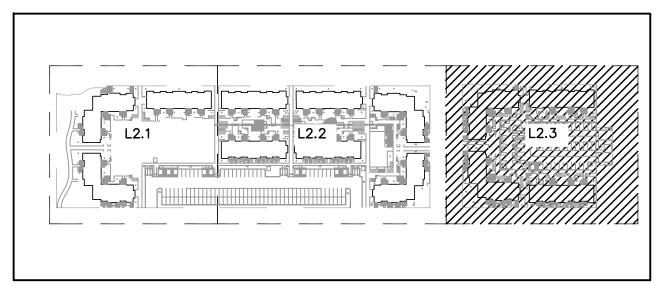
REVISION	ONS	DATE
$\triangle$		
ISSUE		DATE
(1)	1ST SUBMITTAL	03/08/13
2		
3		
4		
(5)		

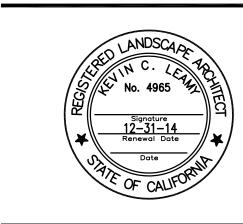


SCALE: 1" = 20' - 0"









KCL

KCL

1" = 20'0"

DRAWN : CHECKED :

SHEET TITLE:

LANDSCAPE IRRIGATION PLAN

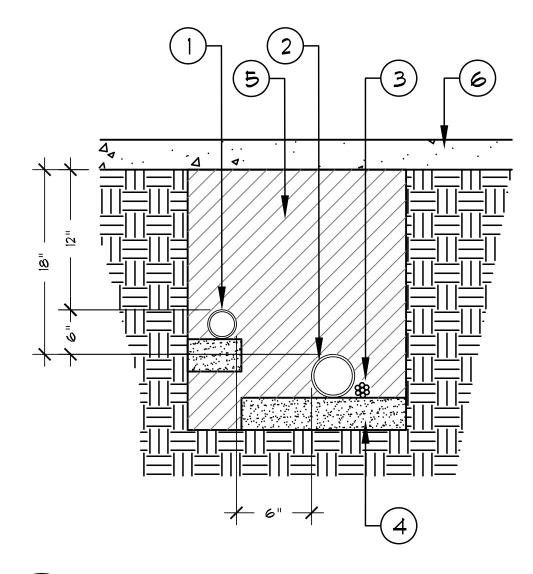
SHEET

KEY PLAN

#### AUTOMATIC CONTROLLER (SEE PLAN FOR LOCATION) ENCLOSED IN A LOCKABLE METAL BOX.

- 2. 120-YOLT POWER SUPPLY WIRES IN CONDUIT.
- 3. 2-1/2" PYC CONDUIT.
- 4. 2-1/2" SWEEP ELL.
- 5. DIRECT BURIAL CONTROL WIRES TO CONTROL VALVES.
- 6. FINISH GRADE.

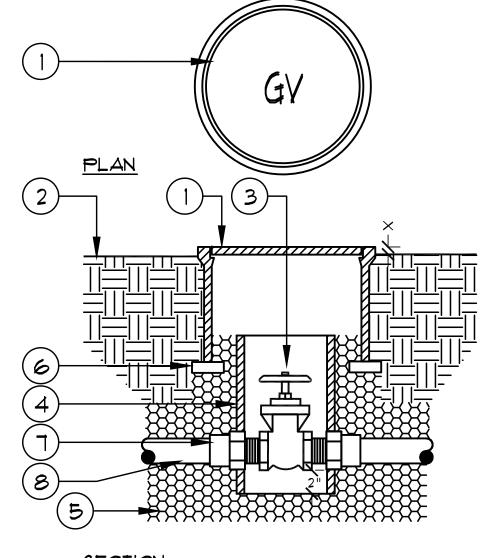
INSTALL ALL WIRING PER LOCAL CODE.



# NON-PRESSURE LATERAL LINE

- 2. PRESSURE MAIN LINE PIPING. SNAKE FROM SIDE TO SIDE.
- 3. CONTROL WIRES TAPE AND BUNDLE EVERY 4'-6" FEET. INSTALL ADJACENT TO PRESSURE MAIN LINE.
- 4. PROVIDE 2" DEPTH OF CLEAN BACKFILL.
- 5. SEE IRRIGATION SPECS FOR BACKFILL AND COMPACTION REQUIREMENTS.
- 6. FINISH GRADE OF ASPHALT PAYING CONCRETE OR OTHER IMPERVIOUS MATERIALS.

PROVIDE 24" OF COVER WHERE PIPING IS UNDER PAYING.



GATE VALVE (DOMESTIC)

SECTION

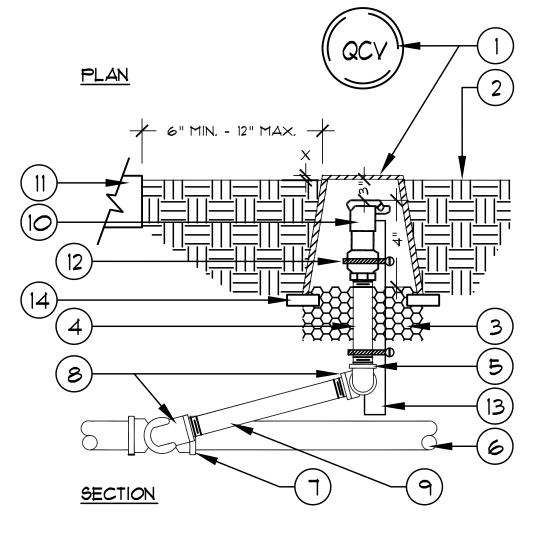
#### LEGEND:

ROUND YALVE BOX WITH GREEN BOLT- DOWN COYER, HEAT BRAND "GY" ON VALVE BOX COVER IN 2" HIGH LETTERS.

- 2. FINISH GRADE.
- 3. GATE VALVE WITH BRONZE WHEEL HANDLE OR CROSS-HANDLE.
- 4. 6" DIA. SCH. 40 PVC PIPE EXTENSION. LENGTH AS REQUIRED.
- 5. 3/4" CRUSHED ROCK. 8" DEPTH.
- 6. COMMON BRICK (2 REQUIRED).
- 1. PVC MALE ADAPTER, TYPICAL
- 8. PYC MAIN LINE PIPE.

X - 1" IN TURF AREAS 2" IN SHRUB AREAS

AUTOMATIC IRRIGATION CONTROLLER (WALL MOUNT)



NOTES:

1. USE TEFLON TAPE ON ALL MALE PIPE THREADS.

X - 1 1/2" ABOYE FINISH GRADE IN LAWN AREAS 2 1/2" ABOYE FINISH GRADE IN SHRUB AREAS. QUICK COUPLER (DOMESTIC)

r(6) (1)-

SCALE: N.T.S.

(5)

LEGEND: 10" ROUND YALVE BOX. HEAT BRAND "QCY" ON LID IN 2" HIGH CHARACTERS.

- 2. FINISH GRADE.
- 3. 3/4" CRUSHED ROCK. 6" DEPTH.
- 4. SCH 80 NIPPLE. LENGTH AS REQUIRED.
- 5. SCH 40 90 DEG. ELL.
- 6. MAINLINE PIPING.
- 7. MAINLINE FITTING.
- 8. SCH 40 90 DEG. STREET ELL
- 9. SCH 80 NIPPLE. 6" LONG.
- 10. QUICK COUPLING YALVE.
- II. ADJACENT CONCRETE.

12. STAINLESS STEEL CLAMPS.

- 13.  $1" \times 3/16" \times 30"$  ANGLE IRON.

POP-UP SPRAY HEAD.

3. MARLEX 90 DEG. ELL.

5. MARLEX 90 DEG. ELL

FITTING.

6. FINISH GRADE.

PIPE THREADS.

X - 1" IN TURF AREAS.

4. LATERAL LINE PIPE AND

7. PVC SCH 40 FITTING SXT.

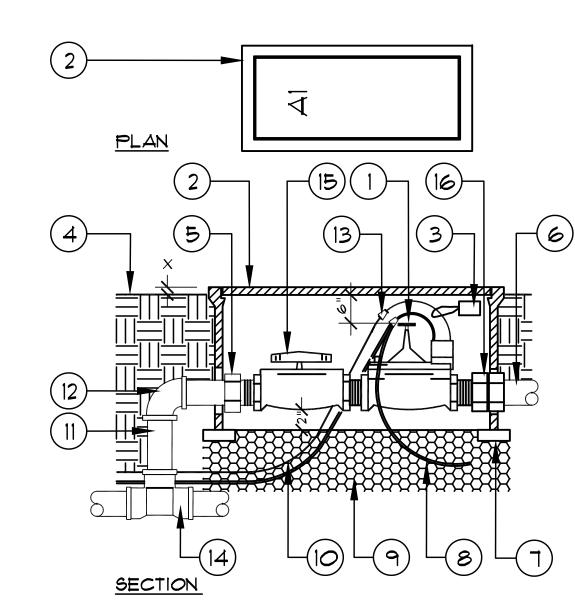
NOTES: USE TEFLON TAPE ON ALL MALE

3" IN PLANTING BEDS.

ADJACENT WALK OR CURB.

14. COMMON BRICK (2 REQUIRED).

IRRIGATION TRENCHING: 18" DEPTH (DOMESTIC) SCALE: N.T.S.



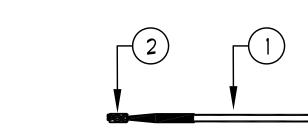
LEGEND: ELECTRIC CONTROL YALVE.

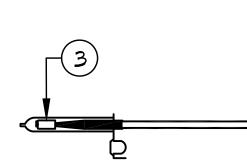
- RECTANGULAR VALVE BOX W/GREEN BOLT DOWN COVER. HEAT BRAND VALVE STATION NO. ON LID IN 2" HIGH CHARACTERS.
- 3. CHRISTY I.D. TAG NUMBERED TO MATCH DRAWINGS. 4. FINISH GRADE.
- 5. PYC MALE ADAPTER, TYPICAL. PYC PIPE TO SPRINKLERS. ANGLE PIPE TO SPECIFIED
- DEPTH WITH 45° ELLS. COMMON BRICK (2 REQUIRED). COMMON WIRE TO OTHER
- YALYES ON SAME CONTROLLER.
- 9. 3/4" CRUSHED ROCK. 8" DEPTH 10. CONTROL/COMMON WIRES FROM
- CONTROLLER. PYC SCH 80 NIPPLE.
- PYC 5x5 90° ELL.
- DBY BY 3M WIRE SPLICE KIT 14. MAINLINE FITTING W/SOLVENT WELD OUTLET.
- 15. PYC BALL YALVE.
- 16. UNION FITTINGS.

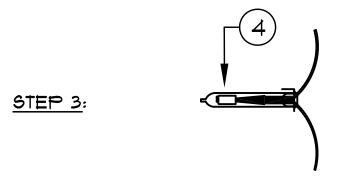
X - 1" IN TURF AREAS

2" IN TURF AREAS

ELECTRIC REMOTE CONTROL VALVE: W/BALL VALVE (DOMESTIC)







. STRIP WIRES APPROX. 3/8" FROM ENDS - TWIST TOGETHER.

- APPLY THE SCOTCHLOK ELECTRICAL CONNECTOR AND TWIST IN A CLOCKWISE DIRECTION.
- 3. INSERT THE SPLICE INTO THE GEL-FILLED INSULATOR TUBE. PUSH PAST THE LOCKING FINGERS TO HOLD THE SCOTCHLOK CONNECTOR IN
- 4. POSITION WIRE CHANNELS AND SNAP INSULATOR TUBE COVER CLOSED.
- 5. 3M "DBY" WIRE CONNECTOR OR APPROVED EQUAL.

WIRE CONNECTION - 3M DBY

SCALE: N.T.S.



**BULLETIN #4** LANDSCAPE **REVIEW SET** 

UC DAVIS WEST VILLAGE PHASE 3 **STUDENT** HOUSING

DAVIS, CA CLIENT:

WEST VILLAGE COMMUNITY PARTNERSHIP, LLC

REVISIO	ONS	DATE
$\triangle$		
ISSUE		DATE
1	1ST SUBMITTAL	03/08/13
2		
3		
4		



DRAWN CHECKED SCALE: :

KCL KCL AS SHOWN

SHEET TITLE:

LANDSCAPE IRRIGATION DETAILS

SHEET

POP-UP SPRINKLER: MARLEX (DOMESTIC)

#### REMOTE CONTROL VALVE.

- 2. 3/4" DISC FILTER.
- 3. 1" SCH. 80 UNION.
- 4. PYC MAINLINE.
- 5. PVC OR POLY LATERAL LINE.
- 6. 12" x 18" YALYE BOX.

1. 6" ROUND VALVE BOX.

2. AIR/YACUUM RELIEF YALYE.

3. 1/2" PYC COUPLING: T x T.

THREE EACH BOX.

REQUIRED.

8. FINISH GRADE.

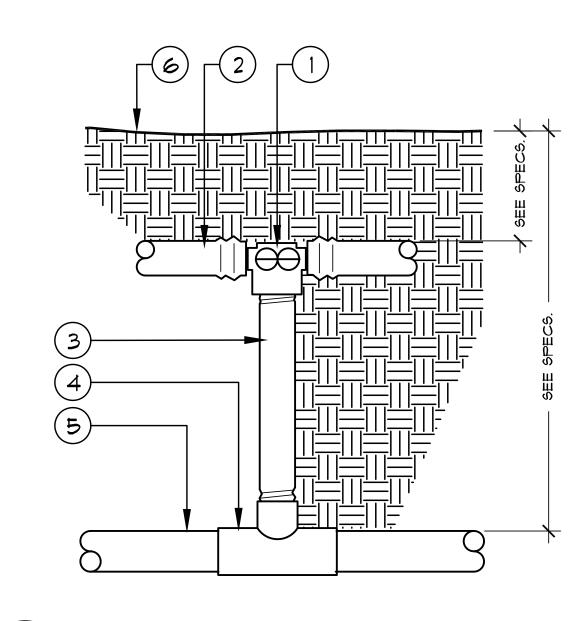
4. 1/2" SCH 80 RISER. LENGTH AS

5. STANDARD BRICK SUPPORTS.

6. 3/4" CRUSHED GRAVEL SUMP.

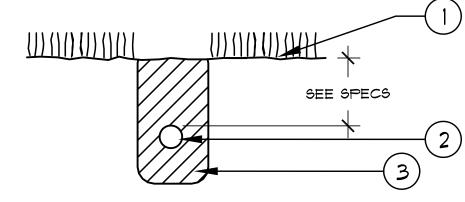
7. PYC PIPING AND FITTINGS.

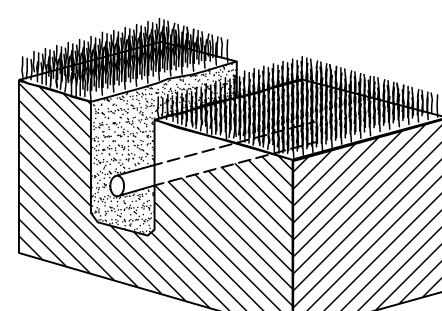
- 7. 1 CU. FT. PEA GRAVEL SUMP.
- 8. STANDARD BRICK SUPPORTS (1 PER CORNER.).
- 9. FINISH GRADE.



## LEGEND: 1. PLD-075-TBTEE.

- 2. PLD TUBING.
- 3. 3/4" SCH. 80 PYC NIPPLE.
- 4. PVC TEE: S x S x T.
- 5. PYC PIPING.
- 6. FINISH GRADE.





PLD: CENTER FEED LAYOUT

PLD: TRENCHING

## LEGEND: I. FINISH GRADE.

- 2. PLD LATERAL TUBING.
- 3. BACKFILLED TRENCH FREE OF DEBRIS.

LEGEND:

1. MANUAL LINE FLUSHING VALVE

PLUMBED TO PVC OR POLY.

3. PVC OR POLY EXHAUST HEADER.

4. PVC OR POLY SUPPLY HEADER.

6. REMOTE CONTROL VALVE WITH

9. PERIMETER LATERALS 2" TO 4"

5. PLD START CONNECTION.

DISC FILTER AND PRY.

T. AREA PERIMETER.

FROM EDGE.

8. PLD TUBING LATERAL.

2. PLD START CONNECTION MALE

ADAPTER.



**BULLETIN #4** LANDSCAPE

**REVIEW SET** 

CONSULTANT

## UC DAVIS WEST VILLAGE PHASE 3 **STUDENT** HOUSING

DAVIS, CA

WEST VILLAGE COMMUNITY PARTNERSHIP, LLC

REVISIO	ONS	DATE
$\triangle$		
$\triangle$		
$\overline{\triangle}$		
$\overline{\triangle}$		
ISSUE		DATE
1	1ST SUBMITTAL	03/08/13
2		
3		
4		



KCL

KCL

AS SHOWN

DRAWN CHECKED : SCALE: :

SHEET TITLE:

LANDSCAPE IRRIGATION DETAILS

SHEET

OF 5

SUBSURFACE: REMOTE CONTROL VALVE WITH DISC FILTER

AIR/VACUUM RELIEF VALVE (PLUMBED TO PVC)

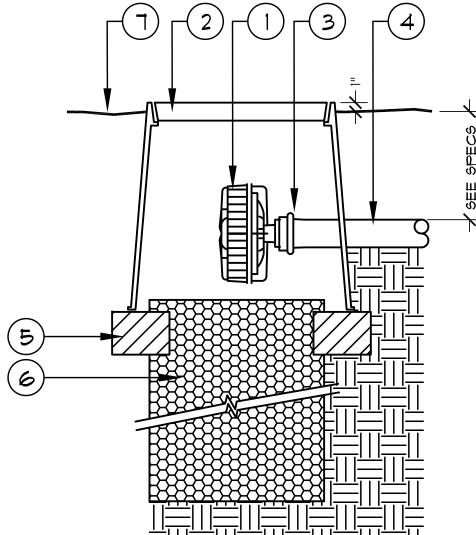


## PLD: START CONNECTION W/PVC RISER

LEGEND:

1. LINE FLUSHING YALVE.

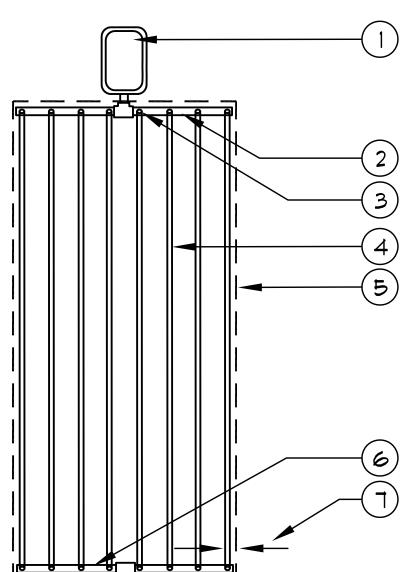
- 2. VALVE BOX. SEE SPECS.
- 3. COMPRESSION RING.
- 5. STANDARD BRICK SUPPORTS (THREE PER BOX).
- 6. I CU. FOOT 3/4" GRAVEL SUMP.



T. FINISH GRADE.

4. PLD LATERAL TUBING.

## LINE FLUSHING VALVE



#### REMOTE CONTROL VALVE WITH DISC FILTER AND PRY.

- 2. PYC OR POLY SUPPLY HEADER.
- 3. PLD START CONNECTION MALE ADAPTER.
- 4. PLD TUBING LATERAL.
- 5. AREA PERIMETER.
- 6. PVC OR POLY EXHAUST HEADER.
- 7. PERIMETER LATERALS 2" TO 4" FROM EDGE.
- 8. MANUAL LINE FLUSHING VALVE PLUMBED TO PYC OR POLY.

# PLD: END FEED LAYOUT