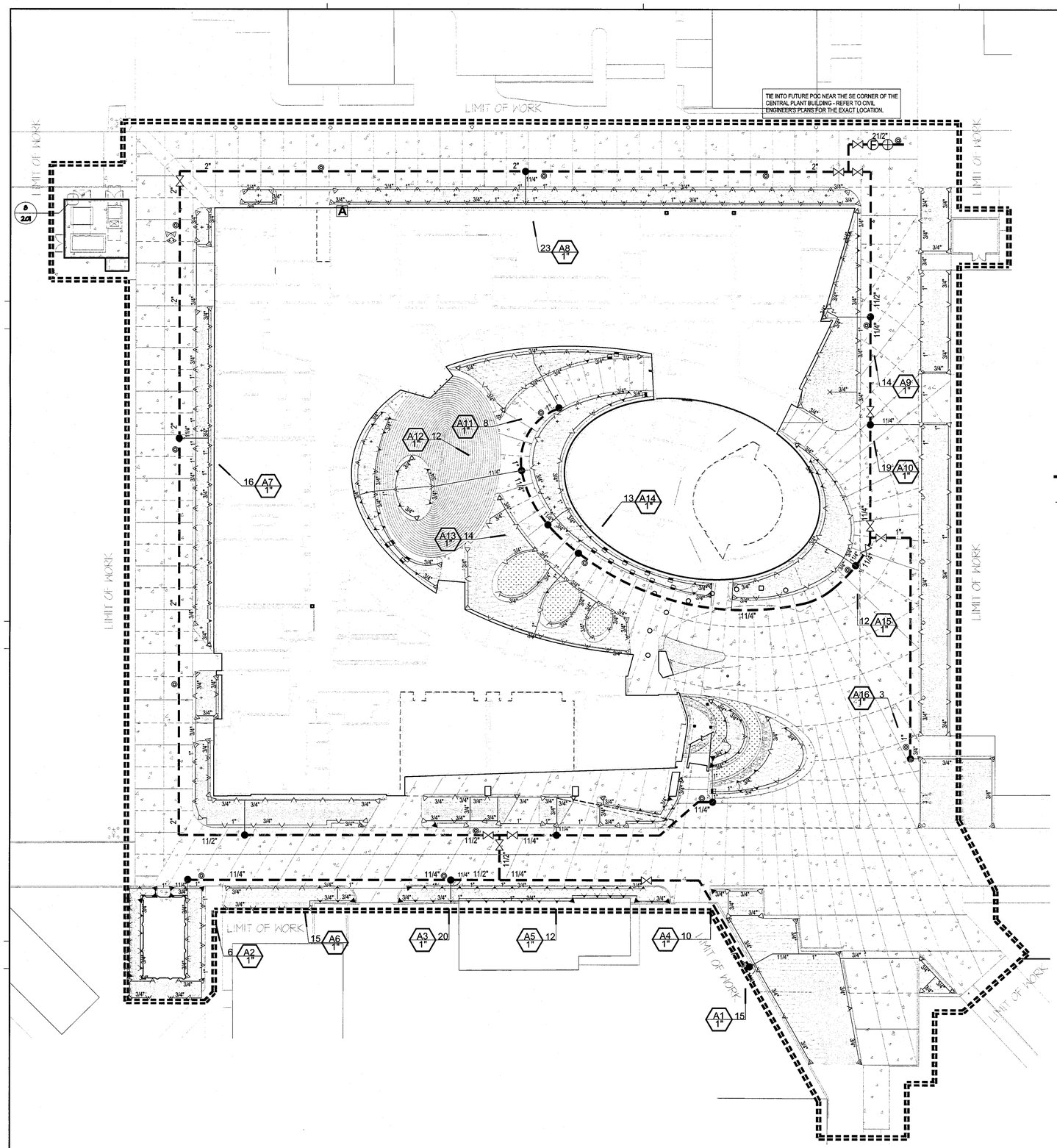

IRRIGATION LEGEND

SYM.	MANUF.	MODEL NO./DESCRIP.	PSI	GPM	RAD	
	HUNTER	MPR40-12-CV-MP100090 ROTATOR	40	0.19	14'	90
	HUNTER	MPR40-12-CV-MP1000180 ROTATOR	40	0.37	14'	180
	HUNTER	MPR40-12-CV-MPCORNER45 ROTATOR	40	0.14	14'	45
	HUNTER	MPR40-12-CV-MP1000360 ROTATOR	40	1.47	14'	360
	HUNTER	MPR40 12-CV-MP100090 ROTATOR	40	0.16	12'	90
	HUNTER	MPR40 12-CV-MP1000180 ROTATOR	40	0.32	12'	180
	HUNTER	MPR40 12-CV-MP100090 ROTATOR	40	0.16	10'	90
	HUNTER	MPR40 12-CV-MP1000180 ROTATOR	40	0.32	10'	180
	HUNTER	MPR40 12-CV-MP100090 ROTATOR	40	0.16	8'	90
	HUNTER	MPR40 12-CV-MP1000180 ROTATOR	40	0.32	8'	180
	HUNTER	MPR40 12-CV-MP100090 ROTATOR	40	0.12	6'	90
	HUNTER	MPR40 12-CV-MP1000180 ROTATOR	40	0.24	6'	180
	HUNTER	MPR40-12-CV-MPLCS515 ROTATOR	40	0.22	5' x 15'	LEFT STRIP
	HUNTER	MPR40-12-CV-MPRCS515 ROTATOR	40	0.22	5' x 15'	RIGHT STRIP
	HUNTER	MPR40-12-CV-MP300090 ROTATOR	40	0.86	22'-30'	90
	HUNTER	MPR40-12-CV-MP3000180 ROTATOR	40	1.82	22'-30'	180

NOTE: REPLACE POP-UP RISER ON 6' RADIUS HEADS WITH VALVETTE MODEL POP1250 REPLACEMENT POP-UP RISER STEM.

MISC. EQUIPMENT

Symbol	Manufacturer Model No./Description
●	HUNTER MODEL ICV - FS SERIES REMOTE CONTROL VALVE INSTALLED IN CARSON INDUSTRIES MODEL 1419-12 VALVE BOX
◎	RAIN BIRD 44LRC QUICK COUPLER VALVE INSTALLED IN CARSON INDUSTRIES MODEL 910 VALVE BOX
⋈	HAMMOND MODEL 8201 LINE SIZE BALL VALVE INSTALLED IN CARSON INDUSTIES MODEL 910 VALVE BOX
Ⓕ	RAIN MASTER MODEL FS-100 FLOW SENSOR INSTALLED IN CARSON INDUSTRIES MODEL 1419-12 VALVE BOX
⊕	WATTS MODEL 815 - 4SA - PG - NC - F 11/2" MASTER VALVE INSTALLED IN CARSON INDUSTRIES MODEL 1419-12 VALVE BOX
A	RME18EG - B RAIN MASTER CONTROLLERS INSTALLED IN "COOL - 1" SECURITY ENCLOSURE WITH RAIN-RMESW-ASSY AND EV-CAB-SEN CABLE
- - - -	PACIFIC PLASTICS CL. 315 PVC MAINLINE 2" AND LARGER AND SCH. 40 PVC PIPE FOR 1-1/2" AND SMALLER (SIZE AS NOTED)
———	PACIFIC PLASTICS SCH. 40 PVC LATERAL LINE (SIZE AS NOTED)
A1 / 1" 7	STATION NO. / GPM'S / VALVE SIZE

NOTE:

INSTALL ALL PIPE AND CONTROL WIRE UNDER PAVING IN SCH. 40 PVC PIPE SLEEVES TWICE THE DIAMETER OF THE PIPE BEING SLEEVED AND IN 2" SLEEVES FOR CONTROL WIRE.

IRRIGATION HEADS NOT ADJACENT TO PAVING, TURF, OR WALKS MAY BE INSTALLED ON SCH. 80 PVC RISERS WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT.

IRRIGATION NOTES

1. IRRIGATION HEADS SHALL BE INSTALLED EVEN WITH FINISH GRADE AS DETAILED.
2. ALL PRESSURE LINES SHALL BE TESTED FOR TWO HOURS UNDER HYDROSTATIC PRESSURE OF 150 PSI AND BE PROVEN WATER TIGHT. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT FOR TEST.
3. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE PLANS.
4. THE SPRINKLER SYSTEM IS BASED ON THE MINIMUM OPERATING PRESSURE AND THE MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT EACH POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT TO THE OWNER'S AUTHORIZED REPRESENTATIVE ANY DIFFERENCE BETWEEN THE WATER PRESSURE SHOWN ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
5. THE IRRIGATION WATER METER IS EXISTING. CONTRACTOR IS RESPONSIBLE FOR CONNECTING THE MAINLINE TO THE METER.
6. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE CONTROL AND QUICK COUPLING VALVES 6" TO 12" AWAY FROM HARDSCAPE OR TURF AREA FOR EASY ACCESS.
7. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
8. DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN SITE DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN FORESEEN AND CONSIDERED IN THE ENGINEERING. THE OWNER'S AUTHORIZED REPRESENTATIVE SHOULD BE INFORMED OF SUCH OBSTRUCTIONS AND DIFFERENCES, BUT IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
9. INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN CONSTRUCTION DETAILS. USE TEFLON TAPE OR TEFLON PIPE DOPE ON ALL PVC MALE PIPE THREADS OF ALL SPRINKLER SWING JOINT AND VALVE ASSEMBLIES.
10. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE, AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR UTILITIES. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES.
11. INSTALL ALL CONTROL WIRE IN ACCORDANCE WITH GOVERNING CODES. TAPE AND BUNDLE WIRE EVERY 10'. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN THE VALVE BOX BY WRAPPING WIRE AROUND A 1/2" PIPE 15 TIMES. TIE A LOOSE 20" LOOP OF WIRE AT ALL CHANGES OF DIRECTION GREATER THAN 30 DEGREES. UNTIE ALL LOOPS AFTER CONNECTIONS HAVE BEEN MADE.

NORTH

GRAPHIC SCALE: 1"=20'

0 10' 20' 40' 60'

tBP
architecture
planning
interiors
management

tBP/Architecture
5455 Wilshire Boulevard, Suite 1200
Los Angeles, CA 90036-4242
ph: 323.556.3788 fx: 323.556.3799

LICENSED ARCHITECT
NO. C36675
REN. 4-30-10
STATE OF CALIFORNIA

architect

LICENSED LANDSCAPE ARCHITECT
WILLIAM M. MELENDREZ
4370
Signature
9-30-10
Renewal Date
Date
STATE OF CALIFORNIA

MELÉNDREZ

consultant

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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App No. 03-111111
ACT FLS SS SCA
DATE 10-13-09

DSA Los Angeles Basin Regional Office
700 North Alameda Street, Suite 5-500
Los Angeles, California 90012
ph: 213/897-3995 fx: 213/897-3159/0726

agency

ANTELOPE VALLEY COLLEGE
HEALTH & SCIENCE BUILDING
ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
3041 WEST AVENUE K
LANCASTER, CA 93536-5426

owner

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	4/21/2008	90% DD set for pricing
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IRRIGATION PLAN

drawing no.:

L-1.0

drawing of