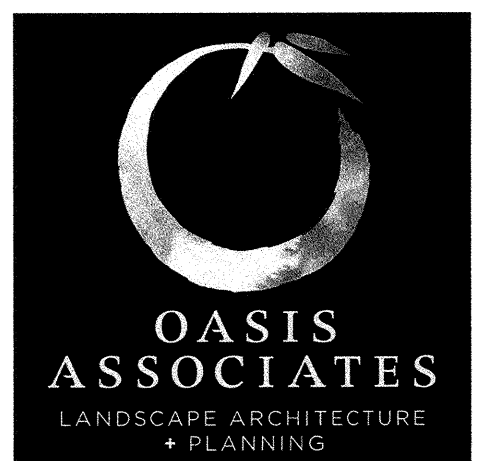


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REVISIONS

NO.	DATE SUBMITTED	DATE APPROVED	DESCRIPTION

CONSULTANT



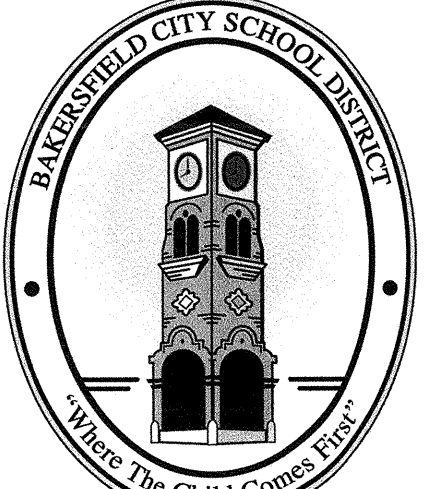
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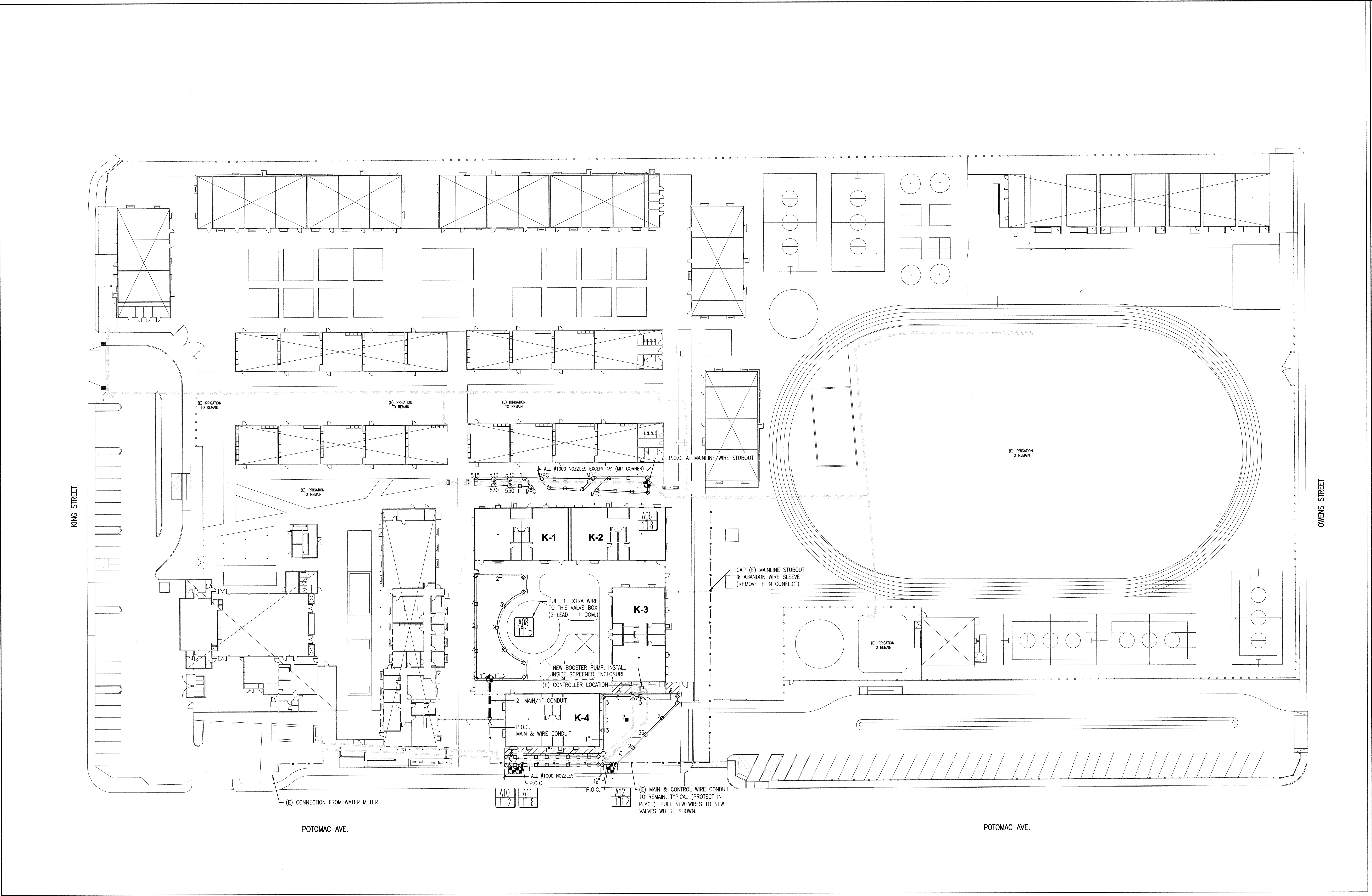


BESSIE OWENS E.S. KINDERGARTEN MODULAR BUILDINGS
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OPSC or OSHPD PROJ. NO.:	N/A
PROJECT NO.:	118932
DRAWN BY:	BB
CHKD BY:	MLC
ISSUE DATE:	10/18/2019

SHEET TITLE
IRRIGATION PLAN

SHEET NUMBER
2L-2.00



IRRIGATION LEGEND

SYMBOL	DESCRIPTION	NOTE
	IRRITROL 100 SERIES ELECTRIC VALVE SIZE PER VALVE KEY	REFER TO DETAIL 6, SHEET L-3.00
	KBI BTU-TE BALL VALVE (*)	INSTALL PER DETAIL 8, SHEET L-3.00
	MAINLINE CL315 PVC PIPE	4" UNLESS NOTED OTHERWISE. REFER TO DETAILS 9 & 16, SHEET L-3.00
	SCH. 40 PVC PIPE & WIRE SLEEVE	SEE NOTES #8 & 13.
	LATERAL LINE SCH. 40 PVC PIPE MINIMUM PIPE SIZE = 1".	SEE NOTE #9. REFER TO DETAIL 9, SHEET L-3.00
	VFD BOOSTER PUMP - 7.5 H.P., 3-PHASE, 460-480v. (30 PSI BOOST AT 110 GPM)	OWNER PROVIDED. CONTRACTOR INSTALLED.
	(E) MAINLINE & VALVES	EXISTING TO REMAIN. PROTECT IN PLACE.
	DRIPLINE 5/8" I.D. POLY. PIPE (TORO BLUE STRIP) WITH TORO NOE-PC EMITTERS	REFER TO DETAILS 11a & b, SHEET L-3.00 SEE NOTE NO. 1
	PVC TO POLY DRIPLINE ADAPTER	INSTALL PER DETAIL 12, SHT. L-3.00

SYMBOL	DESCRIPTION	NOTE
	IRRITROL DZK-700 DRIP ZONE VALVE KIT	REFER TO DETAIL 10, SHEET L-3.00

IRRIGATION HEADS

SYMBOL	DESCRIPTION	PSI	RADIUS (FT.)	FLOW (GPM)	PRECIP. (IN/HR)
	RAINBIRD 1806-SAM-P45 POP-UP SPRAY	45	8'-35"	2.3-3.86	~.44
	WITH HUNTER MP ROTATOR NOZZLES - SEE DETAIL 13. (MCP = MP CORNER; 1 = MP1000; 2 = MP2000; 3 = MP3000; 35 = MMP3500)				

IRRIGATION NOTES

- 2- 1 GPH EMITTERS/1 GAL., 3- 1 GPH/5 GAL., 2- 2 GPH/15 GAL., 3- 2 GPH/24" BOX, 4- 2 GPH/36" BOX. INSTALL EMITTERS AT EQUAL DISTANCE AROUND FOOTBALL.
- IRRIGATION PLANS ARE DIAGRAMMATIC. ACTUAL LINE AND HEAD PLACEMENT SHALL BE DETERMINED ON SITE DURING CONSTRUCTION. CONTRACTOR SHALL ADJUST NOZZLE RADIUS (TO ACHIEVE 100% COVERAGE) BASED ON PLAN LAYOUT & IN-FIELD DIMENSIONS.
- ELEC. FOR BOOSTER PUMP SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR (COMPLETE).

IRRIGATION NOTES

- SYSTEM DESIGN BASED ON 70 P.S.I. STATIC WATER PRESSURE (100 P.S.I. WITH PUMP). MINIMUM OPERATING PRESSURE SHALL BE 30 P.S.I. FOR DRIP & SUBSOLERS, & 45 PSI FOR ROTORS. VERIFY WATER PRESSURE PRIOR TO INSTALLATION. SEE BOOSTER PUMP REQUIREMENTS.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR 100% COVERAGE AT NO ADDITIONAL COST TO OWNER. SITE DIMENSIONS SHOULD BE THOROUGHLY CHECKED BY CONTRACTOR PRIOR TO BIDDING AND CONSTRUCTION. DISCREPANCIES SHOULD BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
- REFER TO THE SPECIFICATIONS PRIOR TO BIDDING AND CONSTRUCTION (DOCUMENTS ARE INCOMPLETE WITHOUT SPECIFICATIONS).
- ALL LINES UNDER PAVING SHALL BE SLEEVED. CONTRACTOR SHALL INSTALL SLEEVES IN STRAIGHT LINES FROM PLANTER TO PLANTER. PLACE DESIGNATED LINE INSIDE SLEEVE PRIOR TO INSTALLATION. SLEEVES SHALL BE 2x LINE SIZE.
- PIPE SIZES SHOWN ON THE PLAN CONTINUE DOWNSTREAM, TO THE NEXT SIZE LABEL, TYPICAL.
- INSTALL ALL VALVE BOXES & QUICK COUPLER VALVE BOXES WITHIN 12" OF WALKWAY (UNLESS SHOWN OTHERWISE).
- IRRIGATION EQUIPMENT MAY BE SHOWN OUTSIDE OF PLANTERS FOR CLARITY. INSTALL ALL EQUIPMENT IN PLANTERS UNLESS NOTED OTHERWISE.
- ALL CONTROL WIRES SHALL BE IN SCH. 40 CONDUIT (MIN. 1" SIZE WITH SWEEP ELLS AT ALL TURNS).

VALVE KEY

