

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMINECESSARY TO FURNISH AND INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS, AS DESCRIBED IN THE SPECIFICATIONS, IN ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES. Z UNLESS OTHERWISE NOTED ON THE DRAWINGS, CONTRACTOR SHALL INSTALL WIRE AND PIPE UNDER HARDSCAPE AREAS IN P.V.C. SCHEDULE 40 SLEEVES PLACED PRIOR TO INSTALLING HARDSCAPE IN ACCORDANCE WITH APPLICABLE CODES. **(9) a a** RAINBIRD RAINBIRD RAINBIRD

NO SYMBOL

N/A

CONCRETE THRUST BLOCKS TO BE INSTALLED WHEREVER MAINLINE TEES OFF OR CHANGES DIRECTION

7

RAINBIRD

FALCON 6504 F4-FC-SS-16 POP-UP ROTOR W/ #16 FULL CIRCLE NOZZLE

FALCON 6504 F4-PC-SS-16 POP-UP ROTOR W/ #16 3/4 CIRCLE NOZZLE

FALCON 6504 F4-PC-SS-16 POP-UP ROTOR W/ #16 2/3 CIRCLE NOZZLE FALCON 6504 F4-PC-SS-16 POP-UP ROTOR W/ #16 1/2 CIRCLE NOZZLE

14.3

50 50

51

J/L11

14.3

51 FT

J/L11

QT Q

RADIUS

DETAIL

B/L13

BAKERSFIELD CITY
SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD
CALIFORNIA
93305

NEW MIDDLE SCHOOL
4115 VINELAND ROAD
BAKERSFIELD
CALIFORNIA
93306

FOR:

NEW ELEMENTARY
SCHOOL
9801 HIGHLAND KNOLLS DR
BAKERSFIELD
CALIFORNIA
93306

14.3

50

51

日

J/L11

MANUFACT.

MODEL NO. / DESCRIPTION

RAINBIRD

**IRRIGATION** 

PLAN NOTE

RAWINGS ARE DIAGRAMMATIC. DR ADJUSTMENTS NECESSARY DNDITIONS.

CONTRACTOR SHALL BE RESPONSI TO CONFORM TO ACTUAL FIELD

ADS FOR

WHEREVER POSSIBLE, CONTROL WIRES SHALL OCCUPY THE SAME TRENCH AS PIPES.

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RAINBIRD

RAINBIRD

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RAINBIRD

1804-SAM-U15 SERIES MPR NOZZLES

0.92

1.23

2.48

1.85

3.70 2.60 1.64

30 30 30

15 FT

K/L11

0.52

1.05

30

JOB NUMBER:
200101244
CAD DRAWING FILE:

1.00

0.40

0.80

1.07

30

16 FT

K/L11

30

21 FT

K/L11

50

J/L11

J/L11

51

J/L11

0.75

1.00

1.50

2.00

1804-SAM-R13 W/ ROTARY NOZZLES

1804-SAM-R17 W/ ROTARY NOZZLES

FALCON 6

F4-PC-SS-16 POP-UP ROTOR W/ #16 1/3 CIRCLE NOZZLE F4-PC-SS-16 POP-UP ROTOR W/ #16 1/4 CIRCLE NOZZLE

RAINBIRD

CONTROL VALVES SHALL BE SIZED AS DESIGNATED ON THE DRAWINGS AND SHALL BE INSTALLED IN VALVE BOXES AS INDICATED IN THE DETAILS. BOXES SHALL BE SET FLUSH WITH THE FINISH GRADE OR SURFACE AND PERMANENTLY MARKED WITH THE LETTERS R.C.V. EACH CONTROLLER SHALL HAVE ITS OWN INDEPENDENT GROUND WIRE. SPLICING OF 24 VOLT WIRES WILL NOT BE PERMITTED EXCEPT IN VALVE BOXES. CONTRACTOR TO LEAVE A 24" COIL OF EXCESS WIRE AT EACH SPLICE AND EVERY 100' ON CENTER ALONG WIRE RUN.

SYMBOL NOT SHOWN ON PLAN, REFER TO DETAIL E/L12 FOR LAYOUT

RAINBIRD

1804-SAM-U8 SERIES MPR NOZZLES

RWS-B-C-1402 (EACH SYMBOL REPRESENTS 2 UNITS WITH .5 GPM EACH)
PC-10-1032 GREEN COLORED PRESSURE COMPENSATING MODULE
WITH PC DIFFUSER CAP INSTALLED ON POLYFLEX RISER.

FINAL LOCATION FOR BACKFLOW PREVENTION DEVICES SHALL BE APPROVED BY THE DISTRICT'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLING. CONTRACTOR SHALL NOTIFY ALL LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.

CONTRACTOR SHALL INSTALL ANTI-DRAIN CHECK VALVES AS NECESSARY TO PREVENT LOW HEAD DRAINAGE. FINAL LOCATION FOR IRRIGATION BOOSTER PUMP SHALL BE APPROVED BY THE DISTRICT'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLING. CONTRACTOR SHALL MANUFACTURER'S REPRESENTATIVE FOR INSPECTION AND TESTING OF INSTALLED BOOSTER PUMP. IRRIGATION HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHEWISE DESIGNATED ON THE PLANS.

> NO SYMBOL NO SYMBO NO SYMBO IRRIGATION NO SYMBOL NOTE: HUNTER INDUSTRIES WILL BE PROVIDING THE IMMS3-CD CONTACT HUNTER REPRESENTATIVE SAM PEREZ (559) 903-7277 0 **m** 2 D2 11 Щ 70 DATA INDUSTRIAL HUNTER RAINBIRD HUNTER SUPERIOR HUNTER **NIBCO** HUNTER HUNTER HUNTER N/A N N N N 3M AS APPROVED NIBCO NIBCO HUNTER SUPERIOR FEBCO HUNTER RAINBIRD **GRUNDFOS** STRONG BOX WESSELS CO AS APPROVED AS APPROVED MANUF LEGEND ACC-99D- 99 STATION IRRIGATION TW CONTROLLER ASSEMBLIES AVAILABLE ASSEMBLY SPECIFICATION INCLUDES CONTROLLER A- 'MASTER' CONTROLL CONTROLLER A WITH ETHERNET ICAG VB SERIES VALVE BOXES OR EQUAL. VB-STD FOR RCVS, VB-10RND FOR QUICK COUPLERS AND GATE VALVES, VB-JMB AND VB-SPR FOR DRIP VALVE ASSEMBLIES. GREEN COLORED LOCKING LIDS. CONVENIENT GROUND ELECTRODE (CGE) KIT- PER MANUFACTURER RECOMMENDATION KIT CONTAINS TWO 4-FT COPPERBONDED GROUND RODS, A COUPLING, A DRIVE SLEEVE AND A CONNECTOR (MODEL#ICZ-101-40) 1" DRIP ZONE REMOTE CONTROL VALVE ASSEMBLY POINT OF 120 VOLT ELECTRICAL POWER FOR IRRIGATION CONTROLLER, PROVIDED BY OTHERS, VERIFY ACTUAL LOCATION IN FIELD DBY-6 WIRE CONNECTORS, USE FOR ALL WIRE CONNECTIONS (MODEL#4660-T) 3/4" SCH 40 PVC MANUAL FLUSH VALVE LOCATED AT END OF DRIP LINE PVC PIPE SCH. 40 SLEEVING, TWICE THE DIAMETER OF PIPE CARRIED AND 1" SIZE FOR CONTROL WIRE INSTALL WHERE PIPES AND WIRE OCCUR BELOW/THROUGH PAVING AND HARDSCAPE ITEMS. PVC PIPE SCH. 40 (MODEL#ET-SENSOR) EVAPOTRANS SINGLE ET SENSOR TO BE USED FO CONTRACTOR SHALL PROVIDE IMMS ITEM DES IDWIRE1 IRRIGATION DECODER SYSTEM WIRE- 2 CONDUCTOR 14 AWG SINGLE CONDUCTOR INSULATED TWISTED SOFT DRAWN BARE COPPER COVERED WITH POLYETHYLENE INSULATION 10,000 FEET MAXIMUM. INSTALLED WITHIN SLEEVING THROUGHOUT PROJECT, ROUTE WITH MAINLINE. PVC PIPE CLASS 315 MAINLINES, 18" MINIMUM COVER BELOW GRADE, SIZE PER PLAN (MODEL#ICZ-151-40) 1 1/2" DRIP ZONE REMOTE CONTROL VALVE ASSEMBLY ICD-200 TWO STATION DECODER WITH SURGE SUPPRESSION AND GROUND (MODEL#228-PV) 2" FLOW SENSOR INSTALL PER MANUFACTURER RECOMMENDATION, WIRE TO CONTROLLER (MODEL #950) 3" NORMALLY CLOSED MASTER CONTROL VALVE (MODEL#PMH MPC-F 2CR32-4) 2 x15 HP BOOSTER PUMP AVAILABLE THROUGH KERN TURF SUPPLY CONTACT JOSH BANDUCCI AT 661-833-0596 (MODEL#NLA 200) BLADDER TYPE SI INSTALL BETWEEN WATER METER A 480 VOLT THREE F VERIFY ACTUAL LO (MODEL#950A-DWPRS) REMOTE CONTROL VALVE WITH PRESSURE REGULATOR, SIZE PER PLAN (MODEL#T-113) GATE VALVE, LINE SIZE FOR MAINLINES UP TO 3" SIZE (MODEL#T-FP-600A) GATE VALVE, LINE SIZE FOR 4" MAINLINES ICD-SEN TWO INPUT SENSOR DECODER WITH SURGE SUPPRESSION AND GROUND SBB-40ALHPI ALUMINUM BACKFLOW ENCLOSURE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS PROVIDE ONE PER BACKFLOW DEVICE (MODEL#880V) 6" R/P BACKFLOW PRI (MODEL#44LRC) QUICK COUPLER VALVE ICD-400 FOUR STATION DECODER WITH SURGE SUPPRESSION AND GROUND ICD-100 SINGLE S CONTROLLERS A PROVIDE (MODEL# PROVIDE TWO REI PROVIDE A ICD-HP HANDHELD DECC CONTROLLER B- 'SLAVE' CONTROLL CONTROLLER B WITH HARDWIRE CO CONTROLLERS A CONNEC PHASE ELECTRICAL POWER FOR IRRIGATION BOOSTER PUMP, PROVIDED BY OTHERS, OCATION IN FIELD TATION DECODER WITH SURGE SUPPRESSION AND GROUND LATERAL LINES, 12" MINIMUM COVER BELOW GRADE, 3/4" MINIMUM SIZE AND B TO EACH BE AND B TO BE HARD ICR-KIT) COMPLE C&D/L12 B/L13 A&B/L12 G/L11 H/L11 I/L11 D/L13 G/L12 F/L12 B/L12 A/L12 A/L12 F/L11 E/L11 E/L11 K/L12 A/L13 B/L11 I/L12 J/L12 H/L12 D/L11 AND E/L13 C/L11 AND E/L13

FOR IRRIGATION DETAILS.	B/L11	W ENCLOSURE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS
NOTES  REFER TO SHEET L11, L12 &L	B/L11	REVENTION ASSEMBLY WITH NRS GATE VALVES
	C/L13	SURGE TANK AND BACKFLOW DEVICE.
Signature PTEMBER 30,201 Expiration Date  Date  OF CAL FO	ILITY YARD .N/L11	SPIRATION SENSOR, POLE MOUNT INSTALLATION OF SENSOR WITHIN UTILITY YARD .N/L11 OR BOTH CONTROLLERS. //S-ET-CD SOFTWARE FOR ET SENSOR AS PART OF THIS ITEM.
REG/S/EPISONO.	DETERMINED AGREEMENT.	CENTRAL CONTROL SOFTWARE TO THE SCHOOL DISTRICT AS PER PRE-DETERMINED AGREEMENT.
LANDSCAPE	DSURES	BE INSTALLED WITHIN SEPARATE STRONGBOX SB16SS TOP ENTRY ENCLOSURES
P: 661.835.9259 F: 661.367. 5284	CARRYING CASE,	ETE REMOTE KITS INCLUDING TRANSMITTER, RECEIVER. HARNESS AND (NE REMOTE FOR EACH SCHOOL.
BAKERSFIELD, CALIFORNIA 93309		ODER PROGRAMMER- ONE DECODER TOTAL FOR BOTH SCHOOLS.
3805 ORA VISTA AVENUE		RDWIRED TOGETHER.
RIOS DESIGN STUD	MODULE	LER TO BE INSTALLED WITH ACC-COM-HWR HARDWIRE COMMUNICATION MODULE ONNECTION ICA6-HU5-99/SP/A-HWIM/IFS-200/ICR
	N MODULE	DLLER TO BE INSTALLED WITH ACC-COM-LAN ETHERNET COMMUNICATION MODULE CA6-HU5-99/SP/A-ETH/A-HWIM/IFS-200/ICR
		BLE FROM IMPERIAL TECHNICAL SERVICES- (714) 792-2920
	A/L11	TWO WIRE DECODER CONTROLLERS.
		STUBOUT PROVIDED BY CIVIL'S UTILITY PLAN.
	DETAIL/SHEET	

kL13

DANNY E. ORDIZ, AIA ARCHITECT C-14,728

LIAM J. MELBY, AIA CHITECT C-16,835

IDENTIFICATION STAMP
VISION OF STATE ARCHITECT
ICE OF REGULATION SERVICES
APPL. #:02-112027
FILE #: 15-6

FLS

No. C-14728

NAY 31, 2013

RENEWAL
DATE

OF CALIFORNIA

(661) 832-5258 (661) 832-4291

ARCHITECTS, INC.

S DESIGN STUDIO

IRRIGATION PLAN, LEGEND AND NOTES

SHEET TITLE

THE DRAWINGS, IDEAS, AND DESIGNS REPRESENTED ON THIS SHEET ARE THE PROPERTY OF THE ARCHITECT.

D VERIFY ALL DIMENSIONS BEFO DCEEDING WITH THE WORK. SCREPANCIES TO THE ARCHITEC

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