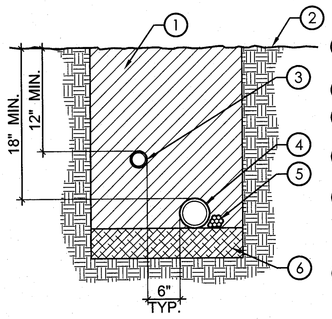
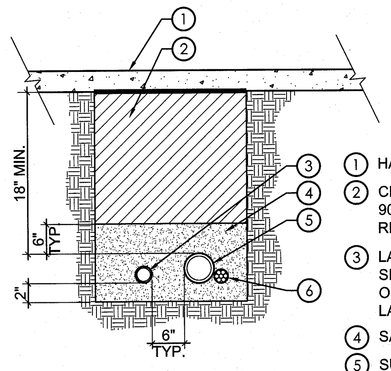


1. CLEAN BACKFILL- 90% COMPACTION REQUIRED
2. FINISH GRADE
3. NON-PRESSURE LATERAL LINE SNAKE PIPE IN TRENCH
4. PRESSURE SUPPLY LINE SNAKE PIPE IN TRENCH
5. CONTROL WIRES - BUNDLE AND TAPE AT 10' O.C. AND INSTALL ADJACENT TO PRESSURE SUPPLY LINE
6. PROVIDE 2" MIN. OF CLEAN BACKFILL

NOTES:
1. PIGTAIL AND LOOP CONTROL WIRE AT ALL 90 DEGREE CHANGES IN DIRECTION.
2. PROVIDE A MINIMUM 10 FEET SEPERATION BETWEEN POTABLE AND RECLAIMED MAINLINE PIPING.
3. 24" MINIMUM COVER ON 3" MAINLINE AND LARGER.

A TYPICAL TRENCHING
SCALE: NTS

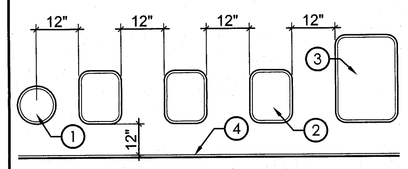


1. HARDSCAPE/PAVING
2. CLEAN BACKFILL- 90% COMPACTION REQUIRED
3. LATERAL LINE SLEEVE- SIZED TO TWICE DIA. OF NON-PRESSURE LATERAL LINE
4. SAND
5. SUPPLY LINE SLEEVE- SIZED TO TWICE DIA. OF PRESSURE SUPPLY LINE
6. CONTROL WIRE SLEEVE- SIZE PER PLAN. INSTALL ADJACENT TO PRESSURE SUPPLY LINE

NOTES:
1. ALL SLEEVES TO BE SCHEDULE 40 PVC.
2. EXTEND ALL SLEEVES 12" BEYOND EDGE OF HARDSCAPING AT BOTH ENDS.
3. 24" MIN. COVER ON MAINLINE 3" AND LARGER

B TYPICAL SLEEVING
SCALE: NTS

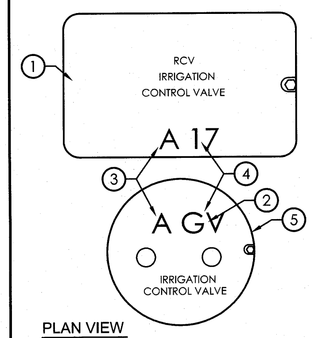
NOTES:
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING THE VALVE.
2. SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUNDCOVER/ SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREA.
3. SET RVC AND VALVE BOX ASSEMBLY IN GROUNDCOVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN ONLY IF GROUNDCOVER DOES NOT EXIST ADJACENT TO LAWN.
4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.
5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
6. IDENTIFY VALVE BOX WITH CONTROLLER LETTER AND VALVE NUMBER USING 1 ½" - 2" LETTERING.



1. 10" ROUND VALVE BOX
2. 14"x19" RECTANGULAR VALVE BOX
3. 23"x 33" RECTANGULAR VALVE BOX
4. EDGE OF LAWN, WALK, FENCE, CURB, ETC.

PLAN VIEW

C VALVE BOX INSTALLATION
SCALE: NTS



1. VALVE BOX WITH LOCKABLE COVER
2. 2" BRANDING, PER THE IRRIGATION SPECIFICATIONS.
3. CONTROLLER DESIGNATION
4. VALVE IDENTIFICATION
5. ROUND VALVE BOX WITH LOCKABLE COVER.

PLAN VIEW

D VALVE BOX HEAT BRANDING
SCALE: NTS

RIOS DESIGN STUDIO
LANDSCAPE ARCHITECTURE & DESIGN
3805 ORA VISTA AVENUE
BAKERSFIELD, CALIFORNIA
93309
P: 661.835.9259
F: 661.367. 5284

REGISTERED LANDSCAPE ARCHITECT
JAIME RIOS No. 2979
Signature
SEPTEMBER 30,2012
Expiration Date
Date
STATE OF CALIFORNIA

ORDIZ MELBY
ARCHITECTS, INC.
5500 MING AVENUE SUITE 280
BAKERSFIELD, CALIFORNIA 93309
TELEPHONE (661) 832-5258
FACSIMILE (661) 832-4291

LICENSED ARCHITECT
DANNY ESPINOZA ORDIZ
No. C- 14728
MAY 31, 2013
RENEWAL DATE
STATE OF CALIFORNIA

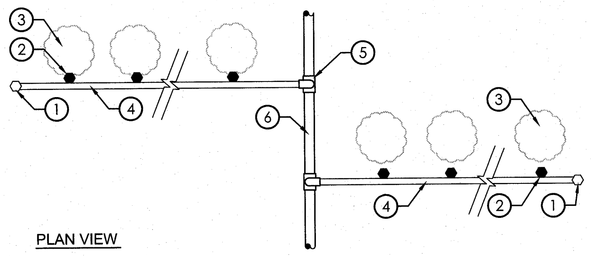
DANNY E. ORDIZ, AIA
ARCHITECT C-14,728

WILLIAM J. MELBY, AIA
ARCHITECT C-16,835

IDENTIFICATION STAMP
DIVISION OF STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. #:
FILE #:
AC_____ FLS_____ SS_____
DATE_____

1. FLUSH VALVE AT END OF LINE AS INDICATED ON PLANS
2. DRIP EMITTER TO PLANT MATERIAL
3. SHRUB/GROUNDCOVER
4. PVC LATERAL LINE SIZE PER CHART, HEREON.
5. PVC TEE OR ELL AS INDICATED ON PLANS.
6. PVC LATERAL LINE- SIZE PER PLAN.

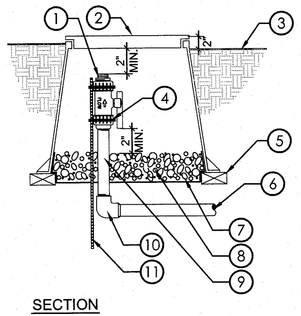
SCH 40 PIPE SIZING CHART	
PIPE SIZE	GPM RANGE
¾"	.1 TO 8.0
1"	8.1 TO 12
1¼"	12.1 TO 22
1½"	22.1 TO 30
2"	30.1 TO 50



PLAN VIEW

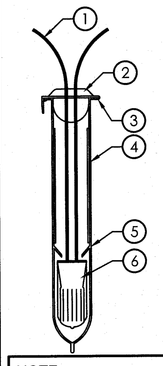
E DRIP LAYOUT
SCALE: NTS

1. THREADED BALL VALVE WITH BRASS HOSE ADAPTER SEE LEGEND FOR SPECIFICATION
2. 6" ROUND PLASTIC VALVE BOX, HEAT BRAND "FV" ONTO LID.
3. FINISHED GRADE IN SHRUB AREAS
4. STAINLESS STEEL CLAMPS TYPICAL
5. BRICK SUPPORTS
6. LATERAL LINE
7. LANDSCAPE FABRIC
8. 3/4" ROCK, 1/2" CUBIC FT.
9. SCH 80 PVC NIPPLE 3/4" x LENGTH AS REQUIRED
10. PVC S x T ELL
11. #4 x 30" REBAR STAKE



SECTION

F DRIP SYSTEM FLUSH VALVE
SCALE: NTS



1. LOW VOLTAGE WIRES, 3 MAXIMUM
2. WIRES PASS THROUGH GROOVES IN TUBE LID TO ALLOW LID TO CLOSE
3. CLOSE TUBE LID AFTER WIRE IS INSERTED INTO TUBE
4. POLY TUBE PRE-FILLED WITH WATERPROOF GEL
5. LOCK TABS PREVENT WIRE REMOVAL ONCE CONNECTOR IS INSERTED
6. SCOTCHLOK ELECTRICAL SPRING CONNECTOR. WIRES SHALL BE PRE-STRIPPED OF 1/2" OF THE INSULATION PRIOR TO INSERTION INTO THE CONNECTIOR. TWIST CONNECTOR ONTO WIRES TO SEAT FIRMLY.

SCOTCHLOK CONNECTOR AND WIRES INSERTED INTO TUBE UNTIL THE CONNECTOR PASSES LOCK TABS

NOTE:
WIRE CONNECTOR SHALL BE A 3M DBY-6 DIRECT BURY SPLICE KIT.

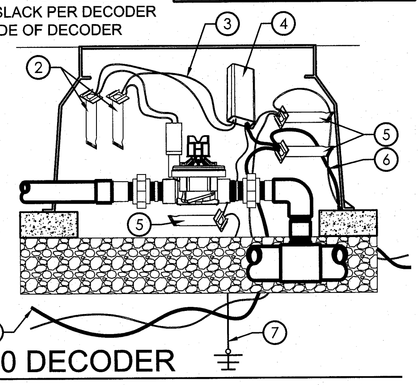
KIT SHALL INCLUDE A SCOTCHLOK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL.

DIRECT BURY SPLICE KIT SHALL BE USED TO ELECTRICALLY CONNECT (2 - 3) #14 OR (2) #12 PRE-STRIPPED COPPER WIRES. LARGER WIRES OR GREATER QUANTITIES OF WIRES SHALL REQUIRE A LARGER APPROVED WIRE CONNECTION.

G WATERPROOF WIRE CONNECTION
SCALE: NTS

1. ID WIRE PATH TWISTED TO NEXT DECODER
2. DBY (2)
3. TWO BLACK WIRES TO VALVE SOLENOID UP TO 150 FT./45M
4. MODEL ICD-100 DECODER
5. DBY-6 (3)
6. ID WIRE PATH FROM CONTROLLER ALLOW 5 ft/1.5M SLACK PER DECODER 1/2 ON EITHER SIDE OF DECODER
7. TO EARTH GROUND INSTALLED PER ASIC GUIDELINES. 1 PER 12 DECODERS OR EVERY 1000ft./330M.

NOTE: All ICD 100 DECODERS SHALL HAVE THE FOLLOWING ADDRESS AND CORRESPONDING COLOR
ADDRESS 1 = Black

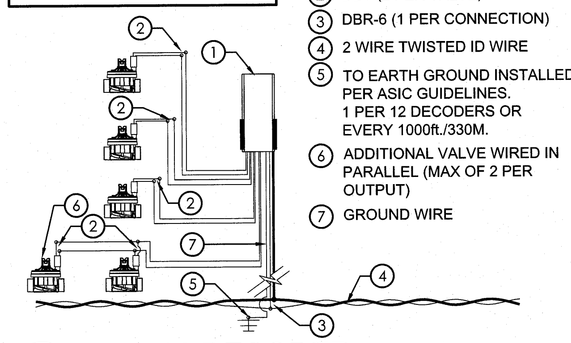


SECTION

H ICD 100 DECODER
SCALE: NTS

NOTE:
ALL ICD 400 DECODERS SHALL HAVE THE FOLLOWING ADDRESS AND CORRESPONDING COLOR
ADDRESS 1 = Black
ADDRESS 2 = Yellow
ADDRESS 3 = Green
ADDRESS 4 = White

1. ICD-400 DECODER
2. DBY (2 PER VALVE)
3. DBR-6 (1 PER CONNECTION)
4. 2 WIRE TWISTED ID WIRE
5. TO EARTH GROUND INSTALLED PER ASIC GUIDELINES. 1 PER 12 DECODERS OR EVERY 1000ft./330M.
6. ADDITIONAL VALVE WIRED IN PARALLEL (MAX OF 2 PER OUTPUT)
7. GROUND WIRE



I ICD 400 DECODER
SCALE: NTS

NEW ELEMENTARY SCHOOL
9801 HIGHLAND KNOLLS DR
BAKERSFIELD
CALIFORNIA
93306

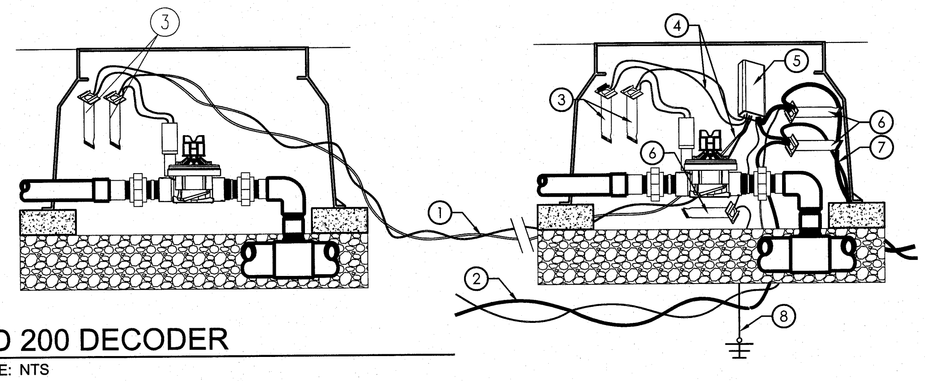
NEW MIDDLE SCHOOL
4115 VINELAND ROAD
BAKERSFIELD
CALIFORNIA
93306

FOR:
BAKERSFIELD CITY SCHOOL DISTRICT

1300 BAKER STREET
BAKERSFIELD
CALIFORNIA
93305

1. DECODER TO SOLENOID MAX RUN 150 ft./45M
2. ID WIRE PATH TWISTED TO NEXT DECODER
3. DBY (2)
4. COLOR CODED VALVE WIRES. SEE LEGEND FOR COLOR AND VALVE #
5. MODEL ICD-200 DECODER
6. DBY-6 (3)
7. ID WIRE CONTROLLER ALLOW 5 ft. / 1.5M SLACK PER DECODER 1/2 ON EITHER SIDE OF DECODER
8. TO EARTH GROUND INSTALLED PER ASIC GUIDELINES. 1 PER 12 DECODERS OR EVERY 1000 ft./330m.

NOTE:
ALL ICD-200 DECODERS SHALL HAVE THE FOLLOWING ADDRESS AND CORRESPONDING COLOR
ADDRESS 1 = Black
ADDRESS 2 = Yellow

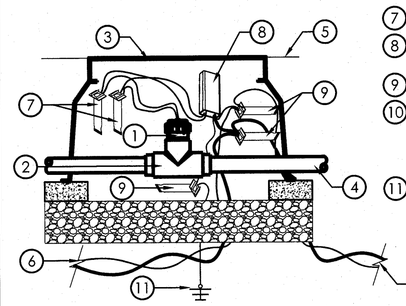


SECTION

J ICD 200 DECODER
SCALE: NTS

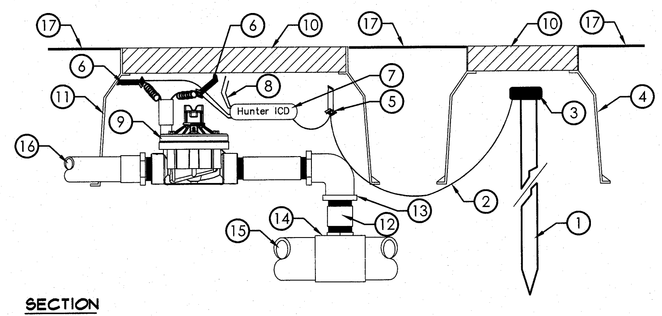
NOTE
1.) REFER TO THE FLOW SENSOR DETAIL FOR CORRECT INSTALLATION.
2.) ALL WIRE SHALL BE 12 OR 14 AWG TWISTED ID-WIRE FROM HUNTER INDUSTRIES..

1. REFER TO LEGEND, FOR HFS SIZE.
2. REFER TO LEGEND, FOR FCT SIZE.
3. STANDARD VALVE BOX
4. MAIN LINE PIPE
5. FINISH GRADE
6. ID WIRE PATH TO NEXT DECODER AS NEEDED
7. DBY (2)
8. MODEL ICD-SEN - SENSOR DECODER
9. DBR-6 (3)
10. ID WIRE PATH FROM CONTROLLER ALLOW 5 ft/1.5M SLACK PER DECODER
11. TO EARTH GROUND INSTALLED PER ASIC GUIDELINES. 1 PER 12 DECODERS OR EVERY 1000ft./330M.



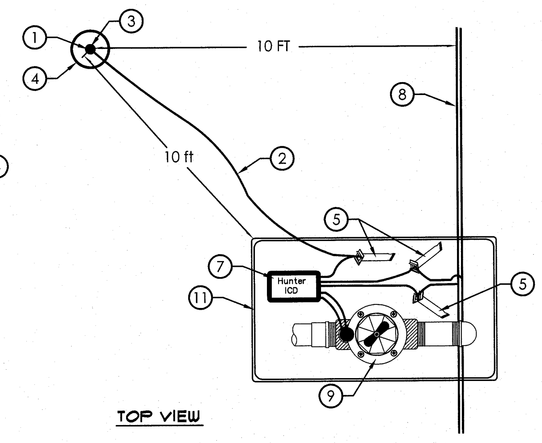
K SENSOR DECODER
SCALE: NTS

1. 8' x 5/8" UL COPPER CLAD GROUND ROD
2. 10' #6 SOLID COPPER GROUND WIRE
3. CAD WELD CONNECTOR
4. 10" ROUND PLASTIC VALVE BOX
5. DBR-6 CONNECTOR
6. DBY CONNECTOR
7. HUNTER ICD-100
8. ACC 2 WIRE PATH
9. IRRIGATION CONTROL VALVE
10. PLASTIC VALVE BOX LOCKING COVER
11. ICV VALVE BOX
12. SCHEDULE 80 PVC NIPPLE
13. 90° PVC ELL SCHEDULE 40
14. MAIN LINE FITTING
15. MAIN SUPPLY LINE
16. LATERAL LINE TO IRRIGATION HEADS
17. FINISH GRADE



SECTION

L ICD DECODER GROUNDING ROD
SCALE: NTS



TOP VIEW

MARK	DATE	DESCRIPTION
•	04/15/11	PROGRESS SET NOT FOR CONSTRUCTION
1		
2		
3		
4		

JOB NUMBER:
200101244
CAD DRAWING FILE:
#Pln1244-BLDG P1&4 QUAD E CLASSROOM)-CD.pln
DRAWN BY:
JR:
CHECKED BY:
MER:

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SHEET IDENTIFICATION NUMBER

L12

PLOT TIME: 11:13 AM
PLOT DATE: 10/30/12
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