



HEAT TRACE ELECTRICAL CONTROL PANEL AND HEAT TRACE CABLE
 STA 14+95
 12"x12"x8" TEE
 EXTEND 8" PIPE 25 FEET
 INSTALL SALVAGED FIRE HYDRANT
 CLOSE HYDRANT VALVE AND REMOVE EXISTING FIRE HYDRANT STA. 14+33
 EXISTING HYDRANT SHALL BE SALVAGED FOR REUSE.

STA. 14+50 BEGIN NEW 12" WATER MAIN
 REMOVE EXISTING 12"x8" REDUCER, CONNECT NEW 12" WATER MAIN TO EXISTING 12" WATER MAIN
 NEW 8" GATE VALVE
 CUT, PLUG, AND ABANDON EXISTING 4" MAIN
 NEW 8" X4" REDUCER
 CONNECT TO EXISTING 4" MAIN WITH 4" D.I. SOLID SLEEVE

NEW 8" GATE VALVE STA. 19+25
 NEW 12" X 8" REDUCER STA. 19+19
 NEW 12" WATER MAIN
 EXISTING 8" WATER MAIN
 CONNECT TO EXISTING 8" MAIN WITH 8" SOLID SLEEVE STA. 19+30

12" EXPANSION JOINT
 SEC SHEET 91 FOR DETAILS
 STA 15+45
 12"-11 1/4" BEND
 STA 15+10 TO STA. 15+45
 24" X 33" LONG STEEL CASING
 SEC SHEET 91 FOR DETAILS
 STA 15+08 (APPROX)
 12"-11 1/4" BEND
 12" GATE VALVE

NEW 12" INSULATED WATER MAIN HUNG FROM NEW BRIDGE
 SEE SHEET 91 FOR DETAILS

STA 17+50 TO STA 17+75
 24" X 45" LONG STEEL CASING
 SEC SHEET 91 FOR DETAILS

STA 17+29
 12"-11 1/4" BEND
 12" EXPANSION JOINT
 SEE SHEET 91 FOR DETAILS

STA 17+76 (APPROX)
 12"-11 1/4" BEND
 TOP 24" SLEEVE 17+67
 17.5' BOTT 12" 668.39
 17+89 19.0 LT
 18+50 27.5' TOP PIPE = 668.09'
 50+68 670.46'

REDUCER
 8" GATE VALVE

WATER MAIN PLAN
 SCALE: 1" = 20'

8" GATE VALVE 14+65 5' LT 19+00 40' LT	4" DUCTILE 14+68 TO 14+82 3' LT
12" GATE VALVE 14+94 14' LT	4" GATE TO PRINCE STREET 44+82 RT
8" DUCTILE 14+65 (14' LT) + 14+68 (26' RT)	12" DUCTILE 14+55-14+68 12'-14' LT 14+68-15+02 14' LT

LEGEND

- EXISTING WATER MAIN
- NEW WATER MAIN
- EXISTING GATE VALVE
- NEW GATE VALVE

NOTE:
 CONTRACTOR SHALL PLUG OR CAP AND ABANDON EXISTING PIPE OR REMOVE THE PIPE.

NOTE: INFORMATION ON THIS SHEET IS FOR THE WATER MAIN AND DETAILS ONLY. REFER TO OTHER DRAWINGS FOR BRIDGE AND ROADWAY DETAILS.

PERMANENT WATER MAIN PLAN

PROJECT NAME: RANDOLPH	PLOT DATE: 29-AUG-2006
PROJECT NUMBER: BRF 0241(29)	DRAWN BY:
FILE NAME: s88j096water1.dgn	CHECKED BY:
PROJECT LEADER: W. Symonds	SHEET 89 OF 135
DESIGNED BY: Dubois & King, Inc.	

WATER MAIN CONNECTION DETAIL
 NOT TO SCALE