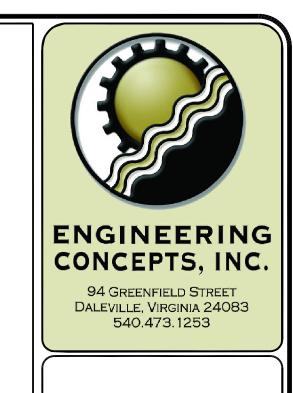
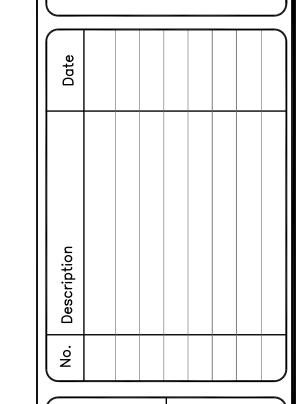


SEQUENCE OF CONSTRUCTION FOR RELOCATING EXISTING 8" & 6" WATERLINE 1. POTHOLE AND CONFIRM LOCATION, DEPTH, SIZE, AND MATERIAL OF EACH END OF THE NEW 2. IDENTIFY AND COORDINATE WITH CENTRAL WATER THE NECESSARY VALVING TO ISOLATE THE WATERLINES TO BE RELOCATED. 3. COORDINATE THE SCHEDULE AND WORK WITH CENTRAL WATER WITH 2 WEEKS NOTICE. STEP 1 — ESTABLISH WATER SERVICE TO NEW LOTS ALONG GREENFIELD STREET 1. AT SOUTH END, 2" WET TAP ON 8" WATERLINE (A) 2. INSTALL AN 8X2 INCREASER (B) 3. INSTALL A 8" 45DEG BEND \bigcirc 4. INSTALL AN 8" GATE VALVE (D) 5. INSTALL A 12X8 WYE 🗵 6. INSTALL A 12X6 REDUCER ON BACK OF WYE (F) 7. INSTALL A 6" GATE VALVE G 8. PLUG AND CAP LINE AT 6" GATE VALVE (H) 9. LAY 12" WATERLINE TO SERVE LAST LOT ON GREENFIELD STREET WITH WATER SERVICE CONNECTIONS ON BOTH SIDES. 10. INSTALL A TEMPORARY BLOW OFF VALVE AT END OF 12" LINE $(\!K\!)$ 11. INSTALL 12" GATE VALVE 🕕 12. PLUG AND CAP END OF 12" WATERLINE (J) 13. TEST AND OPEN TO SERVE STEP 2 — INSTALL NEW WATERMAIN (SEE SHEET CO4 PLAN FOR WATERMAIN LOCATION) 1. LAY THE NEW 12" WATERMAIN FROM THE END OF NEW 12" SERVING GREENFIELD STREET TO THE LOCATION FOR THE NORTHERN WATERLINE CONNECTIONS (L) 2. PLUG AND CAP THE NORTH END OF THE LINE TO PREVENT CONTAMINATION UNTIL CONNECTIONS ARE COMPLETED \widehat{M} <u>STEP 3 — BYPASS EXISTING 6 " WATERLINE</u> 1. SHUT DOWN THE EXISTING 6" WATERLINE AND DRAIN 2. CUT IN A TWO (2) NEW 6" 45 DEG BEND AT THE SOUTH END TO ALIGN WITH THE NEW 12" WATERLINE (N)3. INSTALL 6" TEE BETWEEN (2) 45 DEGREE BENDS. N1 4. INSTALL A 8X6 INCREASER (N2) 5. INSTALL A 8" GATE VALVE AND PLUG AND CAP 8" LINE AT THE VALVE. N3 N4 6. LAY NEW 6" WATERLINE AND CONNECT TO THE 6" GATE VALVE O 7. CUT IN TWO (2) NEW 6" 45 DEG BENDS AT THE NORTH END TO ALIGN WITH THE NEW 12" P WATERLINE 8. INSTALL A 6" GATE VALVE \mathbb{Q} 9. INSTALL A 12X6 INCREASER R 10. INSTALL A 12X8 WYE S 11. INSTALL AN 8" GATE VALVE ON THE BACK OF THE WYE $\overline{ au}$ 12. PLUG AND CAP LINE AT THE 8" GATE VALVE \overline{U} 13. TEST NEW 12" WATERLINE INSTALLATIONS 14. AFTER PASSING TESTS, ALL GATE VALVES SHOULD REMAIN CLOSED 15. SLOWLY OPEN ISOLATION VALVES ON EXISTING 6" WATERLINE TO FILL LINE TO THE NEW CONNECTION POINTS 16. AT THE SOUTH END, SLOWLY OPEN THE NEW 6" GATE VALVE TO FILL THE NEW LINE ©17. AT THE SOUTH END, SLOWLY OPEN THE NEW 12" GATE VALVE TO FILL THE NEW LINE $(oldsymbol{l})$ 18. AFTER THE 12" LINE HAS BEEN FILLED, SLOWLY OPEN THE NEW 6" GATE VALVE AT THE NORTH old QSTEP 4 - BYPASS EXISTING 8 " WATERLINE 1. THE EXISTING 6" WATERLINE AND 12" BYPASS SHOULD BE FULLY OPEN AND FUNCTIONING 2. CLOSE THE 8" VALVE AT THE SOUTH END (D)3. SHUT DOWN THE EXISTING 8" WATERLINE AND DRAIN 4. REMOVE THE 8" 45DEG BEND USED FOR THE 2" WET TAP TO CONNECT TO A NEW CUT IN AT THE EXISTING 8" WATERLINE TO ALIGN WITH THE 12X8 WYE AND GATE VALVE C 5. INSTALL PIPE BETWEEN THE 45DEG BEND AND WYE $\overline{ extstyle V}$ 6. AT THE NORTH END, EXTEND AN 8" PIPE FROM THE 12X8 WYE TO THE EXISTING LINE AND CUT IN A NEW 45DEG BEND TO ALIGN (W)7. TEST THE NEW CONNECTIONS AT BOTH ENDS 8. AT THE SOUTH END, SLOWLY OPEN ISOLATION VALVE ON THE EXISTING 8" WATERLINE TO FILL 9. AFTER FILLING THE SOUTH END, THE 8" GATE VALVE CAN BE OPENED $oldsymbol{(D)}$

10. AT THE NORTH END, SLOWLY OPEN THE ISOLATION VALVE ON THE EXISTING 8" TO FILL TO THE

11. AFTER FILLING THE NORTH END, THE 8" GATE VALVE CAN BE OPENED $\overline{oldsymbol{ au}}$





PRESERVE AT ASHLE BOTETOURT COUNT FIG. No. 34113 PROTECTION DETECTION DETECT

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S ROBERT H. WAMPLER, JR. Lic. No. 34713
MAY 4, 2021

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GRAPHIC SCALE

PROJECT: 20004

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