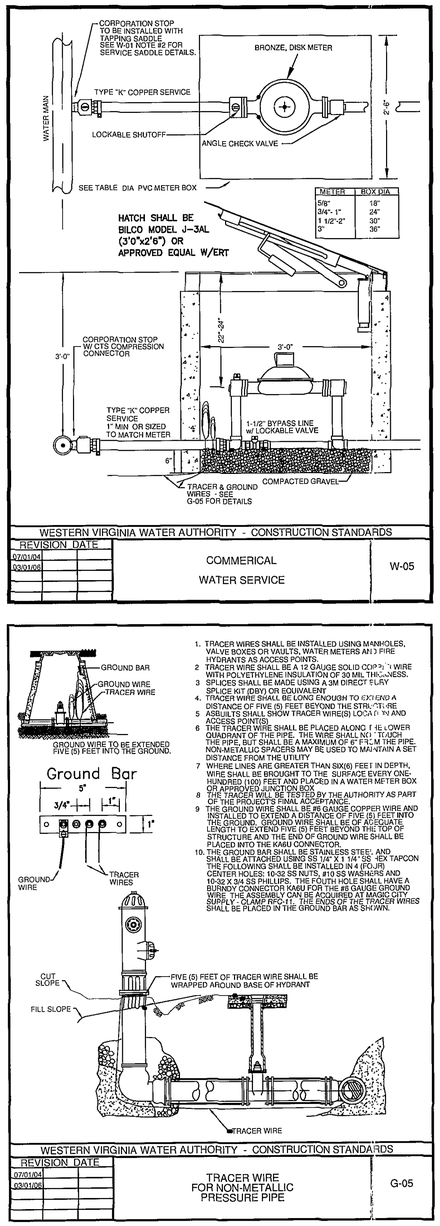
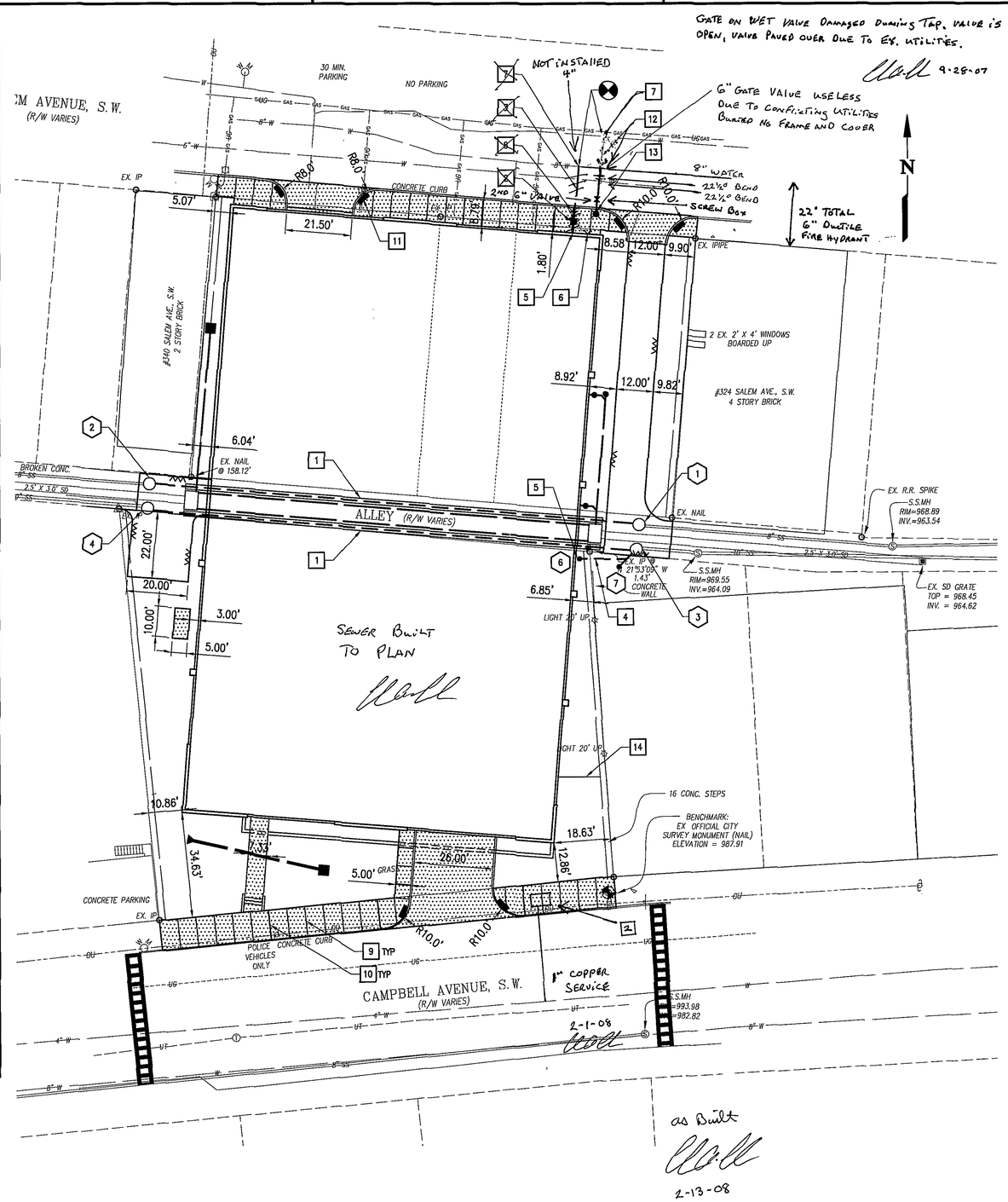


METER	BOX DIA
5/8"	18"
3/4"- 1"	24"
1 1/2"-2"	30"
3"	36"

1. TRACER WIRES SHALL BE INSTALLED USING MANHOLES, VALVE BOXES OR VAULTS, WATER METERS AND FIRE HYDRANTS AS ACCESS POINTS.
2. TRACER WIRE SHALL BE A 12 GAUGE SOLID COPPER WIRE WITH POLYETHYLENE INSULATION OF 30 MIL THICKNESS.
3. SPLICES SHALL BE MADE USING A 3M DIRECT EARY SPLICE KIT (DBY) OR EQUIVALENT
4. TRACER WIRE SHALL BE LONG ENOUGH TO EXTEND A DISTANCE OF FIVE (5) FEET BEYOND THE STRUCTURE
5. ASBUILTS SHALL SHOW TRACER WIRE(S) LOCATION AND ACCESS POINT(S).
6. THE TRACER WIRE SHALL BE PLACED ALONG THE LOWER QUADRANT OF THE PIPE. THE WIRE SHALL NOT TOUCH THE PIPE, BUT SHALL BE A MAXIMUM OF 6" FROM THE PIPE. NON-METALLIC SPACERS MAY BE USED TO MAINTAIN A SET DISTANCE FROM THE UTILITY
7. WHERE LINES ARE GREATER THAN SIX(6) FEET IN DEPTH, WIRE SHALL BE BROUGHT TO THE SURFACE EVERY ONE HUNDRED (100) FEET AND PLACED IN A WATER METER BOX OR APPROVED JUNCTION BOX
8. THE TRACER WILL BE TESTED BY THE AUTHORITY AS PART OF THE PROJECT'S FINAL ACCEPTANCE
9. THE GROUND WIRE SHALL BE #6 GAUGE COPPER WIRE AND INSTALLED TO EXTEND A DISTANCE OF FIVE (5) FEET INTO THE GROUND. GROUND WIRE SHALL BE OF ADEQUATE LENGTH TO EXTEND FIVE (5) FEET BEYOND THE TOP OF STRUCTURE AND THE END OF GROUND WIRE SHALL BE PLACED INTO THE KAMU CONNECTOR.
10. THE GROUND BAR SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED USING SS 1/4" X 1 1/4" SS HEX TAPCON THE FOLLOWING SHALL BE INSTALLED IN 4 (FOUR) CENTER HOLES: 10-32 SS NUTS, #10 SS WASHERS AND 10-32 X 3/4 SS PHILLIPS. THE FOUTH HOLE SHALL HAVE A BURNDY CONNECTOR KAMU FOR THE #6 GAUGE GROUND WIRE. THE ASSEMBLY CAN BE ACQUIRED AT MAGIC CITY SUPPLY - CLAMP RPC11. THE ENDS OF THE TRACER WIRES SHALL BE PLACED IN THE GROUND BAR AS SHOWN.



CONSTRUCTION NOTES

1. 20" STEEL CASING PIPE
2. 1" WATER METER AND METER BOX, SEE DETAIL W-05.
3. 4" WATER SERVICE CONNECTION
4. 4" SANITARY SEWER LATERAL
5. SEE PLUMBING SHEETS FOR CONTINUATION
6. FIRE DEPARTMENT CONNECTION
7. WET TAP CONNECTION
8. WATER VALVE AND VALVE BOX
9. CONCRETE CONTROL JOINT
10. CONCRETE EXPANSION JOINT
11. ADA TRUNCATED DOMES
12. 6" WATER LINE
13. FIRE HYDRANT ASSEMBLY, SEE DETAIL G-05.
14. FENCE

SANITARY SEWER STRUCTURE DATA

1. VDOT STD. SAN. MH
   RIM=969.91
   INV(W)=963.67
   INV(E)=963.67
2. VDOT STD. SAN. MH
   RIM=971.60
   INV(W)=963.89
   INV(E)=963.89
3. VDOT STD. SAN. MH
   RIM=969.76
   INV(W)=964.28
   INV(E)=964.18
   INV(N)=964.28
4. VDOT STD. SAN. MH
   RIM=971.29
   INV(W)=964.77
   INV(E)=964.67
6. SCO
   RIM=972.20
   INV=964.52
   6 TO 7 15' – 4" PVC @ 1.04%
7. SCO
   RIM=969.80
   INV=964.36
   7 TO 3 8' – 4" PVC @ 1.04%
   2 TO 1 162' – 8" HDPE OR APPROVED WVWA PIPE MATERIAL @ 0.13%
   4 TO 3 162' – 10" HDPE OR APPROVED WVWA PIPE MATERIAL @ 0.24%

GRAPHIC SCALE(S)

1"=20' 0 10' 20' 40' 80'

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Design/Build • General Contracting
Construction Management

CAMPBELL AVENUE PARKING DECK
ROANOKE, VIRGINIA

CN NO: 2426.2
DATE: 6/15/07
DESIGN: JJB
DRAWN: JAW
REVIEW: TAR

REVISIONS

No.	Date	Description	By

SITE LAYOUT AND UTILITY PLAN

C1101

SHEET 8 OF 11

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