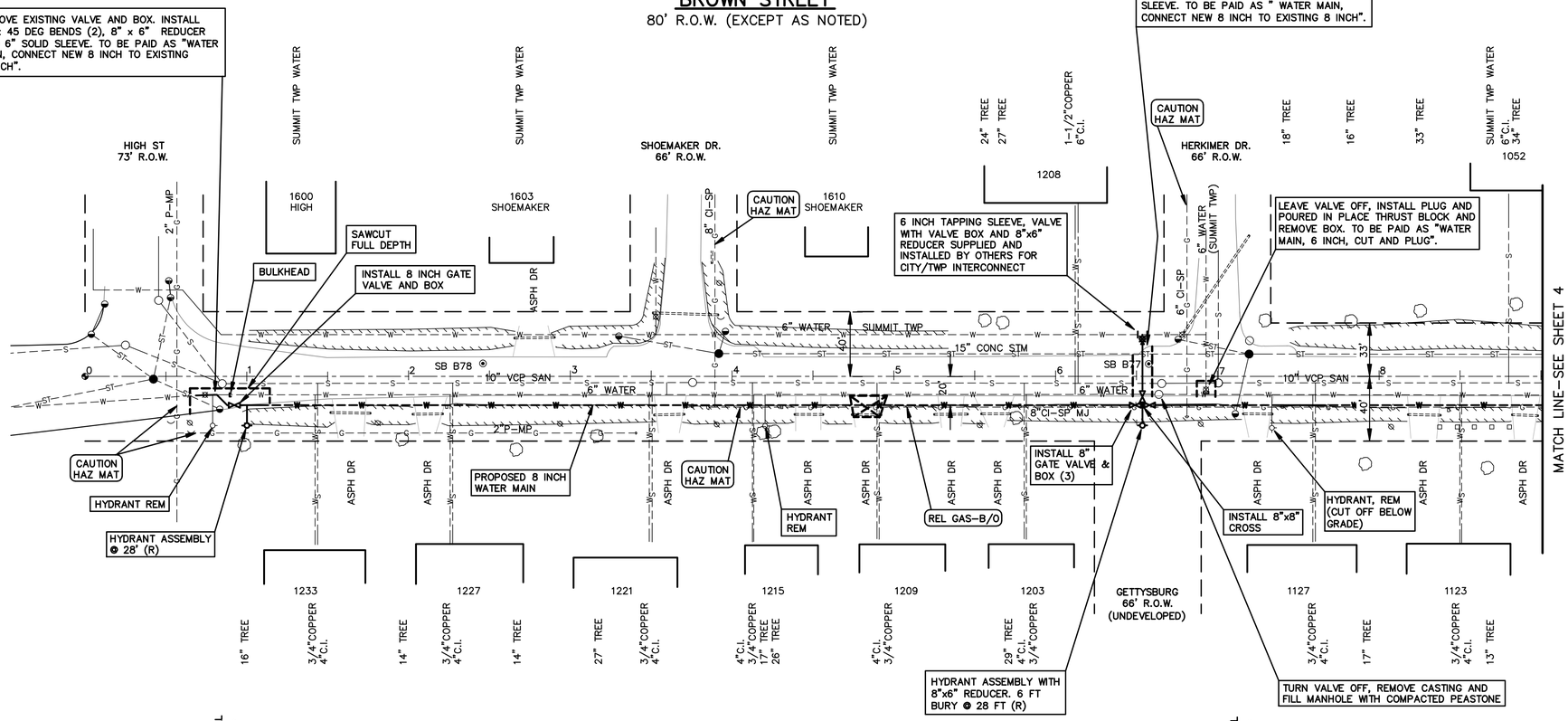

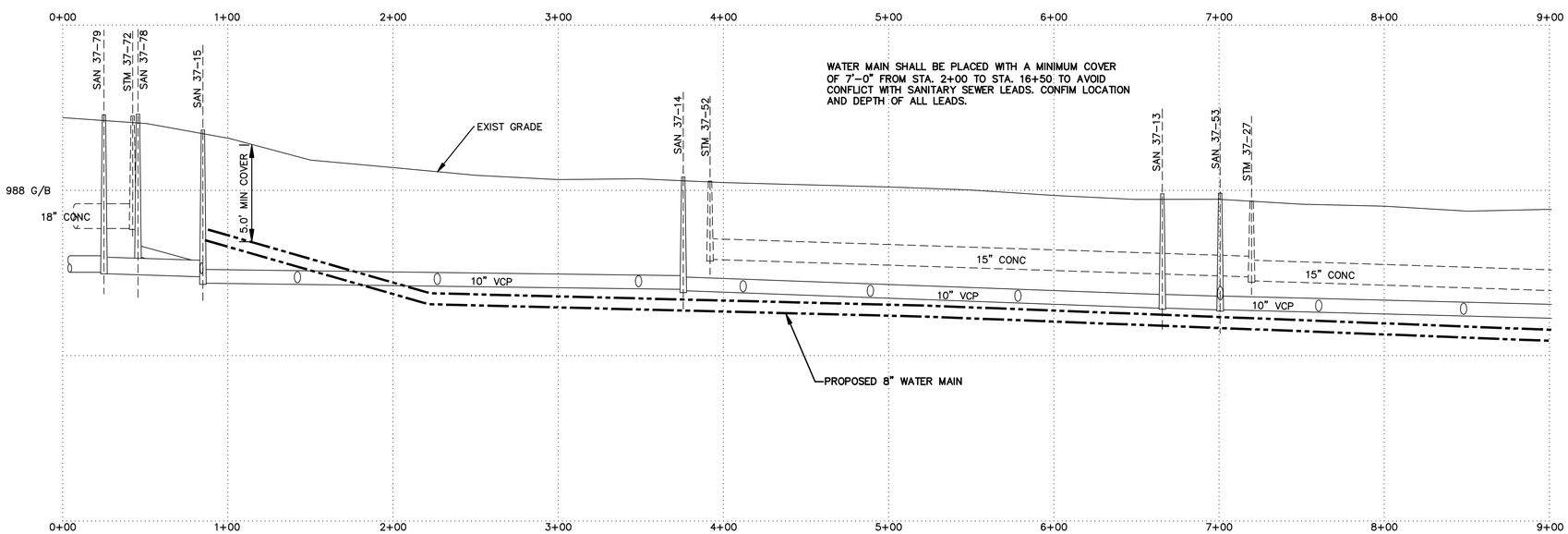

QUANTITIES THIS SHEET

120	FT	PAVT SAWCUT
10	SYD	DRIVEWAY, REM
2	EA	EROSION CONTROL, INLET PROTECTION, FABRIC DROP
1	EA	GATE BOX, ADJ, CASE 1
35	TON	HAND PATCHING
110	SYD	HMA SURFACE, REM, MODIFIED
4	EA	GATE VALVE AND BOX, 8 INCH
3	EA	HYDRANT, REM
1	EA	WATER MAIN, 6 INCH, CUT & PLUG
870	FT	WATER MAIN, 8 INCH, DIR BORE
1	EA	HYDRANT ASSEMBLY
1	EA	HYDRANT ASSMBLY, 6 FOOT BURY
1	EA	WATER MAIN, CONNECT NEW 8 INCH TO EXISTING 6 INCH
1	EA	WATER MAIN, CONNECT NEW 8 INCH TO EXISTING 8 INCH
8	EA	WATER SERV, RECONNECT, 3/4 INCH
1	EA	WATER SERV, RECONNECT, 1-1/2 INCH

WATER MAIN CONSTRUCTION NOTES

1. WATER MAIN ON BROWN STREET SHALL BE INSTALLED BY DIRECTIONAL DRILLING UNLESS THE ENGINEER AUTHORIZES OTHER METHODS. ALL 8 INCH WATER MAIN ON BROWN STREET WILL BE PAID AS "WATER MAIN, DIR BORE" REGARDLESS OF THE INSTALLATION METHOD.
2. EXCEPT WHERE CALLED FOR ON THE PLANS, CONC AND HMA PAVEMENT REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE "WATER MAIN, DIR BORE" PAY ITEM.
3. PAYMENT FOR CLASS II BACKFILL OF OPEN CUT WATER MAIN IN DIRECTIONAL DRILLED SEGMENTS SHALL BE INCLUDED IN THE "WATER MAIN, DIR BORE" PAY ITEM.
4. WATER MAIN CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE STREET RIGHT-OF-WAY.
5. HIGH GROUND WATER LEVELS MAY REQUIRE PUMPING. SEDIMENT LADEN WATER SHALL BE PUMPED THROUGH A GEOTEXTILE FILTER BAG BEFORE BEING DISCHARGED TO A DITCH OR STORM SEWER.
6. INSTALL TEMPORARY HYDRANTS AT LOCATIONS NOTED FOR FLUSHING. MIN FLUSHING VELOCITY SHALL BE 2.5 FEET PER SECOND. DIRECT FLUSHING TO PREVENT EROSION.
7. ALL NEW WATER SERVICES SHALL BE 1-INCH COPPER, UNLESS NOTED OTHERWISE. WATER SERVICE RECONNECTS SHALL MATCH THE EXISTING SIZE.
8. LONG SIDE SERVICES SHALL BE INSTALLED BY A TRENCHLESS METHOD. EXCAVATE AND EXPOSE THE STORM SEWER TO VERIFY CLEARANCE. AFTER ALL SERVICES ARE INSTALLED, THE CITY WILL INSPECT THE SANITARY SEWER. THE CONTRACTOR SHALL REPAIR ANY DAMAGES DISCOVERED AT NO COST TO THE CITY.
9. HYDRANT REMOVAL INCLUDES REMOVING THE EXISTING HYDRANT LEAD, VALVE AND HYDRANT ASSEMBLY AND BULKHEADING THE REMAINING LEAD. THE INTACT HYDRANT ASSEMBLY WILL BE PICKED UP BY THE CITY WATER DEPARTMENT.
10. DISTURBED ASPHALT DRIVE AND STREET PAVEMENT AREAS SHALL BE RESTORED WITH 13A HMA OF A THICKNESS TO MATCH EXISTING. HMA RESTORATION ON BROWN STREET WILL BE PAID AS "HAND PATCHING". PAVING ON OAKDALE WILL BE PAID AS "HMA, 13A".
11. DISTURBED GRAVEL SHOULDERS SHALL BE RESTORED WITH 6 INCHES OF 23A AGGREGATE. PAYMENT FOR SHOULDER RESTORATION IS INCLUDED WITH THE PERTINENT WATER SERVICE OR WATER MAIN PAY ITEM.
12. DISTURBED GRASS AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF JACKSON SPECIAL PROVISION FOR TURF ESTABLISHMENT. PAYMENT FOR GREENBELT RESTORATION (TOPSOIL & SEEDING) IS INCLUDED WITH THE PERTINENT WATER SERVICE OR WATER MAIN PAY ITEM.
13. CONSTRUCTION SEQUENCE
    - CONSTRUCT WATER MAIN. OPEN CUT CONSTRUCTION INCLUDING INSTALLATION OF WATER MAIN ON OAKDALE, TEES, VALVES AND HYDRANTS SHALL BE CONCURRENT WITH DIRECTIONAL DRILLING.
    - FLUSH THE NEW WATER MAIN, USING THE EXISTING HYDRANT AT HIGBY AS WATER SOURCE
    - PRESSURE TEST AND CHLORINATE THE NEW WATER MAIN
    - TIE-IN NEW WATER MAIN TO EXISTING MAIN AT HIGBY STREET
    - CONNECT ALL SERVICES TO THE NEW WATER MAIN. THE CITY/TOWNSHIP INTERCONNECT AT HERKIMER DR. SHALL BE COMPLETED AND PAVEMENT RESTORED IN ONE WORKING DAY.
    - REMAINING TIE-INS AT HIGH STREET AND MORRELL STREET. COORDINATE THE MORRELL STREET TIE-IN WITH THE MORRELL STREET PAVING CONTRACTOR.
    - FINISH RESTORATION AND CLEANUP.

NO	DESCRIPTION (REVISIONS)	DATE	BY

NORTH

CITY OF JACKSON
DEPARTMENT OF ENGINEERING

WATER MAIN REPLACEMENT
S. BROWN STREET : HIGH TO MORRELL

PLAN & PROFILE

DATE:	06/16/09
HOR SCALE:	1" = 40'
VERT SCALE:	1" = 4'
DRAWN BY:	MGB
DESIGN BY:	RTM
CHECKED BY:	RTM
APPROVED BY:	RTM
SHEET	3 OF 8