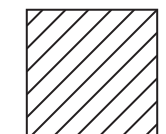







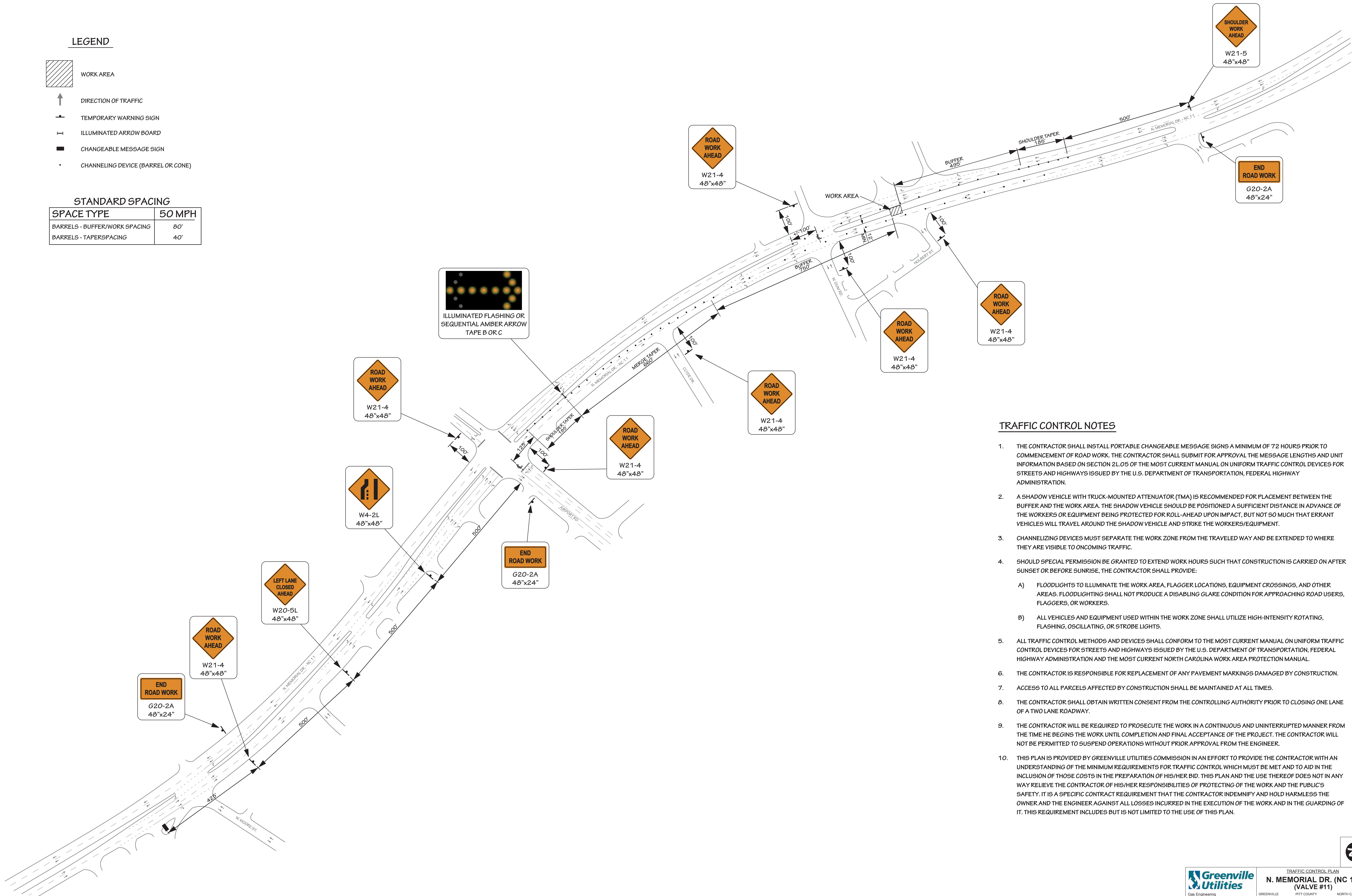

  
**GREENVILLE UTILITIES**
  
**EMERGENCY NATURAL GAS VALVE REPLACEMENTS**

**LEGEND**

-  WORK AREA
-  DIRECTION OF TRAFFIC
-  TEMPORARY WARNING SIGN
-  ILLUMINATED ARROW BOARD
-  CHANGEABLE MESSAGE SIGN
-  CHANNELING DEVICE (BARREL OR CONE)

**STANDARD SPACING**

SPACE TYPE	50 MPH
BARRELS - BUFFER/WORK SPACING	80'
BARRELS - TAPERSPACING	40'



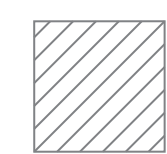


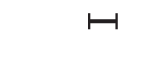


**TRAFFIC CONTROL NOTES**

1. THE CONTRACTOR SHALL INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS A MINIMUM OF 72 HOURS PRIOR TO COMMENCEMENT OF ROAD WORK. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE MESSAGE LENGTHS AND UNIT INFORMATION BASED ON SECTION 2L.05 OF THE MOST CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS ISSUED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
2. A SHADOW VEHICLE WITH TRUCK-MOUNTED ATTENUATOR (TMA) IS RECOMMENDED FOR PLACEMENT BETWEEN THE BUFFER AND THE WORK AREA. THE SHADOW VEHICLE SHOULD BE POSITIONED A SUFFICIENT DISTANCE IN ADVANCE OF THE WORKERS OR EQUIPMENT BEING PROTECTED FOR ROLL-AHEAD UPON IMPACT, BUT NOT SO MUCH THAT ERRANT VEHICLES WILL TRAVEL AROUND THE SHADOW VEHICLE AND STRIKE THE WORKERS/EQUIPMENT.
3. CHANNELIZING DEVICES MUST SEPARATE THE WORK ZONE FROM THE TRAVELED WAY AND BE EXTENDED TO WHERE THEY ARE VISIBLE TO ONCOMING TRAFFIC.
4. SHOULD SPECIAL PERMISSION BE GRANTED TO EXTEND WORK HOURS SUCH THAT CONSTRUCTION IS CARRIED ON AFTER SUNSET OR BEFORE SUNRISE, THE CONTRACTOR SHALL PROVIDE:
  - A) FLOODLIGHTS TO ILLUMINATE THE WORK AREA, FLAGGER LOCATIONS, EQUIPMENT CROSSINGS, AND OTHER AREAS. FLOODLIGHTING SHALL NOT PRODUCE A DISABLING GLARE CONDITION FOR APPROACHING ROAD USERS, FLAGGERS, OR WORKERS.
  - B) ALL VEHICLES AND EQUIPMENT USED WITHIN THE WORK ZONE SHALL UTILIZE HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
5. ALL TRAFFIC CONTROL METHODS AND DEVICES SHALL CONFORM TO THE MOST CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS ISSUED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION AND THE MOST CURRENT NORTH CAROLINA WORK AREA PROTECTION MANUAL.
6. THE CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY PAVEMENT MARKINGS DAMAGED BY CONSTRUCTION.
7. ACCESS TO ALL PARCELS AFFECTED BY CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES.
8. THE CONTRACTOR SHALL OBTAIN WRITTEN CONSENT FROM THE CONTROLLING AUTHORITY PRIOR TO CLOSING ONE LANE OF A TWO LANE ROADWAY.
9. THE CONTRACTOR WILL BE REQUIRED TO PROSECUTE THE WORK IN A CONTINUOUS AND UNINTERRUPTED MANNER FROM THE TIME HE BEGINS THE WORK UNTIL COMPLETION AND FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR WILL NOT BE PERMITTED TO SUSPEND OPERATIONS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
10. THIS PLAN IS PROVIDED BY GREENVILLE UTILITIES COMMISSION IN AN EFFORT TO PROVIDE THE CONTRACTOR WITH AN UNDERSTANDING OF THE MINIMUM REQUIREMENTS FOR TRAFFIC CONTROL WHICH MUST BE MET AND TO AID IN THE INCLUSION OF THOSE COSTS IN THE PREPARATION OF HIS/HER BID. THIS PLAN AND THE USE THEREOF DOES NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITIES OF PROTECTING OF THE WORK AND THE PUBLIC'S SAFETY. IT IS A SPECIFIC CONTRACT REQUIREMENT THAT THE CONTRACTOR INDEMNIFY AND HOLD HARMLESS THE OWNER AND THE ENGINEER AGAINST ALL LOSSES INCURRED IN THE EXECUTION OF THE WORK AND IN THE GUARDING OF IT. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO THE USE OF THIS PLAN.

**TRAFFIC CONTROL NOTES**

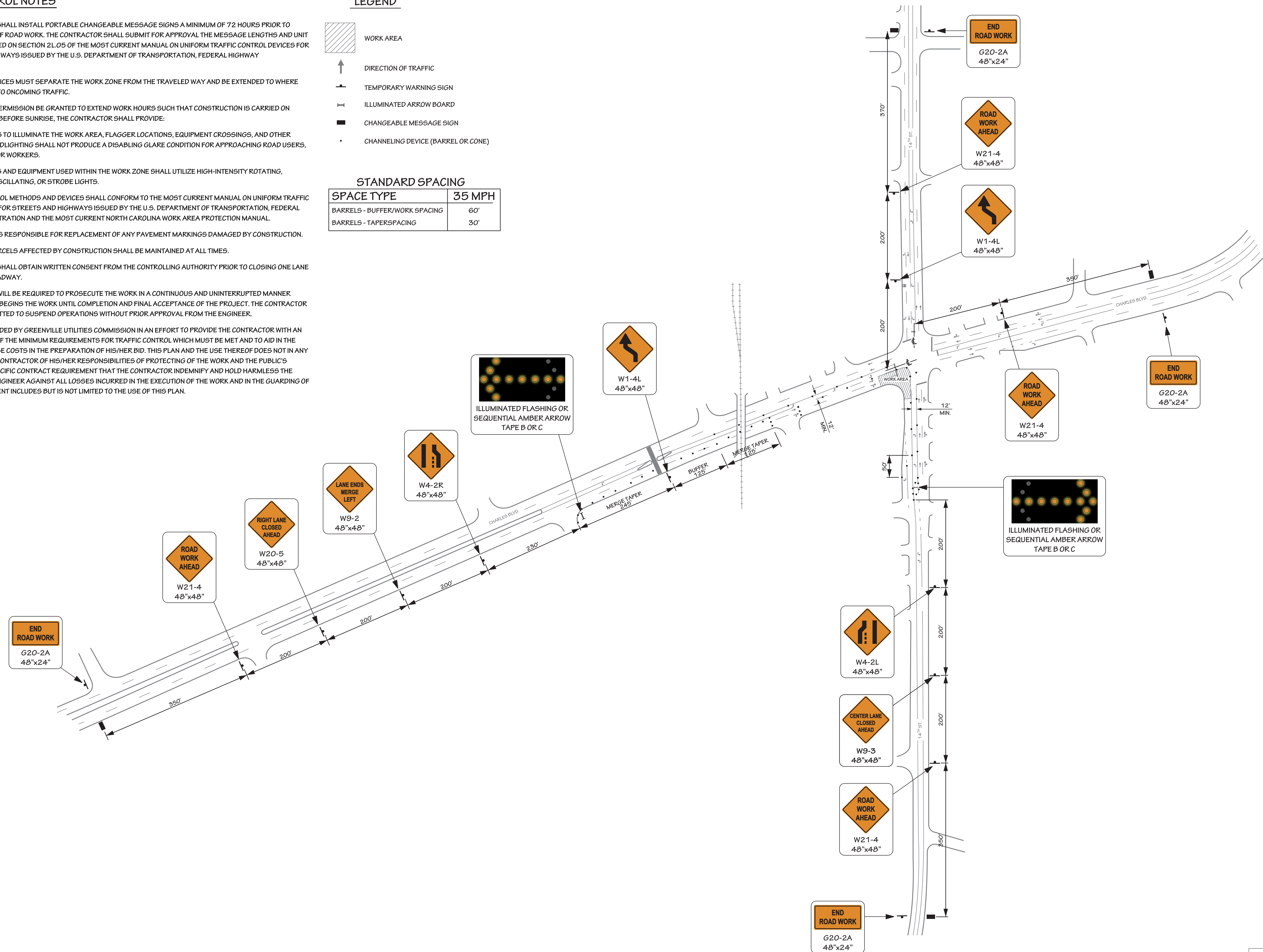
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5. THE CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY PAVEMENT MARKINGS DAMAGED BY CONSTRUCTION.
6. ACCESS TO ALL PARCELS AFFECTED BY CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES.
7. THE CONTRACTOR SHALL OBTAIN WRITTEN CONSENT FROM THE CONTROLLING AUTHORITY PRIOR TO CLOSING ONE LANE OF A TWO LANE ROADWAY.
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**LEGEND**

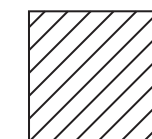



-  WORK AREA
-  DIRECTION OF TRAFFIC
-  TEMPORARY WARNING SIGN
-  ILLUMINATED ARROW BOARD
-  CHANGEABLE MESSAGE SIGN
-  CHANNELING DEVICE (BARREL OR CONE)

**STANDARD SPACING**

SPACE TYPE	35 MPH
BARRELS - BUFFER/WORK SPACING	60'
BARRELS - TAPERSPACING	30'

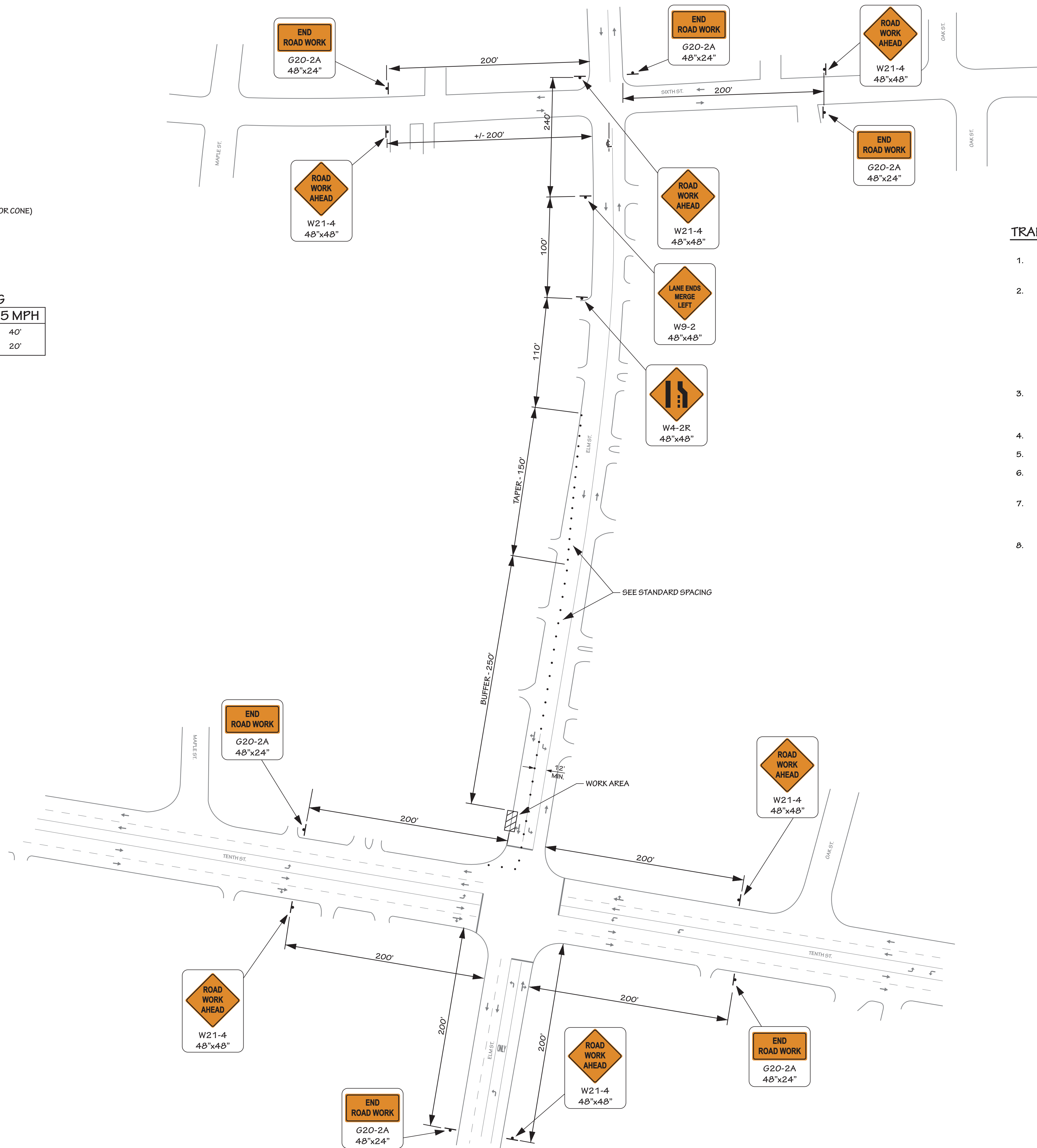


**LEGEND**

-  WORK AREA
-  DIRECTION OF TRAFFIC
-  TEMPORARY WARNING SIGN
-  CHANNELING DEVICE (BARREL OR CONE)

**STANDARD SPACING**

SPACE TYPE	25 MPH
BARRELS - BUFFER/WORK SPACING	40'
BARRELS - TAPER SPACING	20'



**TRAFFIC CONTROL NOTES**

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