

MAINTENANCE OF TRAFFIC/SEQUENCE OF CONSTRUCTION GENERAL NOTES:

GENERAL NOTES FOR MAINTENANCE OF TRAFFIC: 2003

1. LANE CLOSURES WILL NOT BE PERMITTED ON HOLIDAYS NOR ON THE DAY BEFORE OR AFTER, UNLESS OTHERWISE DIRECTED BY THE CITY TRAFFIC ENGINEER.

2. CITY OF ROANOKE LANE CLOSURE TIMES, UNLESS OTHERWISE NOTED PER LOCATION IN THE TEMPORARY TRAFFIC CONTROL SHEETS INCLUDED IN THIS CONTRACT, LANES MAY BE CLOSED AS FOLLOWS OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER MARK JAMISON @ (540) 853-2686.

ALL LANE CLOSURES ----- 10:00 PM - 6:00 AM MON.-FRI.

SHOULDER CLOSURE ----- NO RESTRICTIONS MON.-FRI.

3. NO SATURDAY OR SUNDAY CLOSURES UNLESS DIRECTED BY THE CITY ENGINEER.

4. CONTRACTOR SHALL CONTACT THE CITY ENGINEER IN WRITING WITH A WORK SCHEDULE PER RESIDENCY 2-WEEKS BEFORE STARTING WORK. THE CITY TRAFFIC ENGINEER WILL DETERMINE IF POLICE PATROL SHOULD BE NEEDED PER LOCATION.

5. CONTRACTOR SHALL PROVIDE WARNING SIGNS, AND APPROVED PORTABLE SIGN STANDS AND ENSURE AN UNRESTRICTED VIEW OF ADVANCE WARNING SIGN MESSAGES FOR SAFETY OF TRAFFIC. REFER TO 2003 VIRGINIA WORK AREA PROTECTION MANUAL FOR PORTABLE SIGN AND STAND SPECIFICATIONS.

6. ALL WORK WITHIN 30 FEET OF THE OUTSIDE EDGE OF PAVEMENT SHALL BE SIGNED. UNDER NO CIRCUMSTANCES WILL CONCURRENT WORK LEFT AND RIGHT OF ANY LANE OF TRAFFIC IS ALLOWED.

7. CONES MAY BE USED IN AREAS WHERE PERSONNEL WILL BE PRESENT TO ENSURE THEIR PROPER ALIGNMENT; GROUP II DRUMS SHALL BE REQUIRED WHEN THE WORK ZONE IS UNMANNED. GROUP II DRUMS ARE RECOMMENDED IN TRANSITION AREAS OF ONE HOUR OR LONGER IN DURATION. STATIONARY LANE CLOSURES ON LIMITED ACCESS HIGHWAYS PARTICULARLY AT NIGHT.

8. A PORTABLE CHANGEABLE MESSAGE SIGN SHOULD BE USED TO PROVIDE ADVANCE NOTICE OF WORK OPERATIONS IN VICINITY OF EXIT/ENTRANCE RAMP OR LANE CLOSURES ON LIMITED ACCESS AND HIGH VOLUME PRIMARY ROUTES. REFER TO 2003 VA WORK AREA PROTECTION MANUAL GUIDELINES ON USE AND PLACEMENT OF PORTABLE CHANGEABLE MESSAGE SIGN.

9. FOR NIGHT WORK, FLOODLIGHTS SHALL BE USED WHERE EXISTING LIGHT IS NOT ADEQUATE TO PERFORM THE WORK SAFELY. IN NO CASE SHALL FLOODLIGHTING BE PERMITTED TO CREATE A DISABLING GLARE FOR DRIVERS.

10. ON ROADWAYS HAVING A MEDIAN WIDER THAN 8 FEET, LEFT AND RIGHT SIGN ASSEMBLIES SHALL BE REQUIRED WHEN POSSIBLE.

11. CARE SHOULD BE EXERCISED WHEN ESTABLISHING THE LIMITS OF THE WORK ZONE TO ENSURE MAXIMUM SIGHT DISTANCE IN ADVANCE OF THE TRANSITION, BASED ON THE POSTED SPEED LIMIT AND EQUAL TO OR GREATER THAN THE "STOPPING SIGHT DISTANCE" TABLE FROM THE 2003 VIRGINIA WORK AREA PROTECTION MANUAL AND ALL REVISIONS.

12. A TRUCK WITH EITHER AN ARROW BOARD OPERATING IN THE CAUTION MODE, OR AT LEAST ONE ROTATING AMBER STROBE LIGHT SHALL BE PARKED 50'-100' IN ADVANCE OF THE FIRST WORK CREW. WHEN THE POSTED SPEED LIMIT IS 45 MPH OR GREATER, A TRUCK-MOUNTED ATTENUATOR SHALL BE USED. NO TRUCK MOUNTED ATTENUATOR IS REQUIRED WHERE THE SHOULDER MUST BE CLOSED, EXCEPT ON RAMP AND LOOP SHOULDER.

13. THE CONES TO BE USED AS CHANNELIZING DEVICES SHALL BE IN ACCORDANCE WITH THE GUIDELINES SET FORTH IN THE 2003 VIRGINIA WORK AREA PROTECTION MANUAL AND ALL REVISIONS. ALL CONES SHALL BE A MINIMUM OF 36 INCHES IN HEIGHT. CONE SPACING FOR ALL LIMITED ACCESS HIGHWAY OPERATIONS SHALL BE AT THE FOLLOWING: 40' TRANSITION SPACES - 80' TRAVELWAY SPACING. USE SKIP LINE PAVEMENT MARKING FOR REFERENCE WHEN PLACING CHANNELIZING DEVICES.

14. FOR OPERATIONS OCCURRING IN THE VICINITY OF AN EXIT RAMP AND REQUIRING THE PLACEMENT OF A TEMPORARY "EXIT" SIGN: THE TEMPORARY "EXIT" SIGN MOUNTED ON AN APPROVED SIGN STAND IN THE TEMPORARY GORE SHALL BE MOUNTED HIGH ENOUGH SO THAT IT CAN BE CLEARLY SEEN ABOVE THE CHANNELIZING DEVICES. THE MOUNTING HEIGHT FOR THIS SIGN SHALL BE A MINIMUM OF 3 FEET FROM THE BOTTOM OF THE SIGN TO THE PAVEMENT SURFACE. THE "EXIT" SIGN SHOULD BE BLACK LETTERING ON AN ORANGE BACKGROUND.

15. ALL STANDARDS AND GUIDELINES OF THE 2003 VIRGINIA WORK AREA PROTECTION MANUAL AND ALL REVISIONS SHALL APPLY TO THESE TRAFFIC CONTROL PLANS. WHILE THESE TRAFFIC CONTROL PLANS AND THE 2003 VIRGINIA WORK AREA PROTECTION MANUAL AND ALL REVISIONS PROVIDE GUIDELINES FOR THE DESIGN AND APPLICATION OF TRAFFIC CONTROL DEVICES, THEY ARE NO SUBSTITUTE FOR ENGINEERING JUDGEMENT.

16. ALL FLAGGERS SHALL BE STATE CERTIFIED AND HAVE THEIR CERTIFICATION CARD IN THEIR POSSESSION WHEN PERFORMING FLAGGING DUTIES.

17. IT IS NOT THE INTENT OF THIS SEQUENCE OF CONSTRUCTION PLAN TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN CONSTRUCTION OF EACH STAGE, BUT ONLY TO SUMMARIZE GENERAL TRAFFIC MANAGEMENT AND MAJOR CONSTRUCTION ITEM SEQUENCING.

18. ALL AREAS EXCAVATED BELOW EXISTING PAVEMENT SURFACE AND WITHIN THE CLEAR ZONE, AT THE CONCLUSION OF EACH WORKDAY, SHALL BE BACK-FILLED TO FORM AN APPROXIMATE 6:1 WEDGE, AGAINST THE EXISTING PAVEMENT SURFACE FOR SAFETY AND PROTECTION OF VEHICULAR TRAFFIC. ALL COST FOR PLACING, MAINTAINING, AND REMOVING THE 6:1 WEDGE SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

19.. TRAFFIC BARRIER SERVICE SHALL BE INSTALLED AND REMOVED SO AS NOT TO PRESENT ANY BLUNT END OR HAZARD TO THE MOTORING PUBLIC. THE PLACEMENT AND REMOVAL OF THE TRAFFIC BARRIER SERVICE, CHANNELIZATION DEVICES AND BARRICADES ARE TO BE COORDINATED WITH THE TRAFFIC ENGINEER BY THE PROJECT SAFETY OFFICER. CLEAR ZONES WILL BE KEPT FREE OF STORED MATERIALS AND PARKED EQUIPMENT. IDLE CONSTRUCTION EQUIPMENT MUST NOT IMPACT SIGHT DISTANCES AT INTERSECTIONS, ENTRANCES OR SCHOOL ZONES.

20. THE CITY TRAFFIC ENGINEER IS THE **ONLY** ONE THAT CAN REDUCE THE SPEED IN A WORK ZONE.

21. THE WIDENED ROAD SHALL NOT BE OPENED TO TRAFFIC BEFORE COMPLETION OF FINAL PAVEMENT MARKING AND PERMANENT SIGNING AND WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.

22. THE CONTRACTOR WILL PROVIDE AND MAINTAIN THE TEMPORARY CONSTRUCTION ENTRANCE ALONG EXISTING STATE ROUTE 116.

23. AT THE TIME OF THE PRECONSTRUCTION MEETING, TWO STANDARD SIGNS MUST BE INSTALLED ON EACH SIDE OF THE CONSTRUCTION ACCESS. SIGNS IN PLACE FOR MORE THAN 3 DAYS SHALL BE POST MOUNTED. SIGNS IN PLACE FOR 3 DAYS OR LESS MAY BE MOUNTED ON APPROVED TEMPORARY SIGN SUPPORTS. TRIPOD TYPE SIGNS SUPPORTS ARE NOT ALLOWED AT ANY TIME.

24. TEMPORARY DRAINAGE OR EROSION CONTROL ITEMS HAVE NOT BEEN ENUMERATED IN THIS PLAN. THE CONTRACTOR MAY USE PROPOSED PERMANENT DRAINAGE FEATURES SHOWN IN THE PLANS AS TEMPORARY DRAINAGE AT HIS DISCRETION. ADJUSTMENTS TO EXISTING OR PROPOSED FEATURES WHEN USED AS TEMPORARY DRAINAGE ITEMS WILL BE INCLUDED IN THE PRICING FOR OTHER ITEMS AND WILL NOT BE PAID FOR SEPARATELY. CONTRACTOR WILL PROVIDE FOR EROSION CONTROL AND TEMPORARY DRAINAGE DURING THE CONSTRUCTION OF THE PROJECT.

25. THE CONTRACTOR SHALL USE GOOD CONSTRUCTION PRACTICES DURING IMPLEMENTATION OF TEMPORARY TRAFFIC CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, ADEQUATE CLEARANCE AND PAVEMENT AS NEEDED FOR INTERSECTION AND ENTRANCE TURNING MOVEMENTS.

26. FAILURE TO PROVIDE TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE VIRGINIA WORK AREA PROTECTION MANUAL AND THE PLANS, SPECIFICATIONS, AND SPECIAL PROVISIONS SHALL RESULT IN IMMEDIATE CORRECTIVE MEASURES BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER OR THE CITY OF ROANOKE.

27. LIMITS OF ROADWORK SIGN MESSAGES SHALL NOT BE EXPOSED TO TRAFFIC ON STATE ROUTE 117 UNTIL THE CONTRACTOR IS PREPARED TO CONTINUOUSLY PROSECUTE THE WORK.

28. ALL TRAFFIC CONTROL EQUIPMENT SHALL MEET NCHRP 350 CRITERIA.

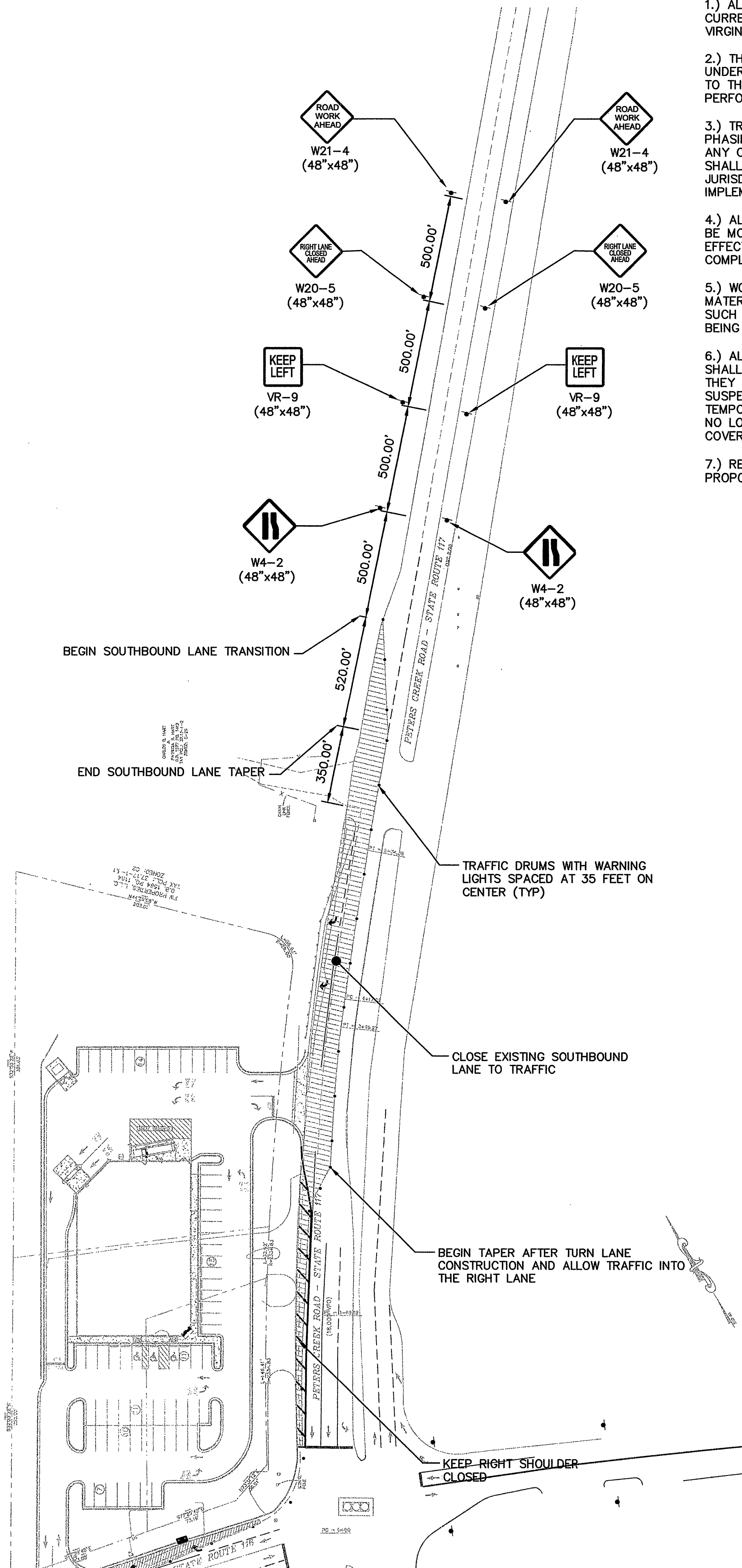
29. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING ROADWAY SIGNS DURING ALL PHASES OF THIS PROJECT.

30. ALL PAVEMENT MARKINGS, LANE STRIPING, AND ERADICATION OF PAVEMENT WILL BE IN ACCORDANCE WITH VDOT SPECIFICATIONS.

31. CONTRACTOR LAY DOWN AREAS ARE ONLY PERMITTED ON PROPERTY OWNED BY CVS.

32. THIS PLAN IS PROVIDED FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL PREPARE A SPECIFIC CONSTRUCTION TRAFFIC CONTROL PLAN THAT REFLECTS THE CONTRACTOR'S PREFERRED MEANS AND METHODS FOR CONSTRUCTION OF THE ROADWAY IMPROVEMENTS.

**PETERS CREEK ROAD- ROUTE 117
NOT TO SCALE**



**ROANOKE, VA
CVS STORE #6296**

**COVE ROAD- ROUTE 116
NOT TO SCALE**

TRAFFIC CONTROL NOTES:

1.) ALL TRAFFIC CONTROL DEVICES SHALL MEET CURRENT MUTCD OR VDOT SPECIFICATIONS, AND THE VIRGINIA WORK AREA PROTECTION MANUAL.

2.) THIS TRAFFIC CONTROL PLAN SHOULD BE UNDERSTOOD BY ALL RESPONSIBLE PARTIES PRIOR TO THE SITE IS OCCUPIED AND ANY WORK IS PERFORMED.

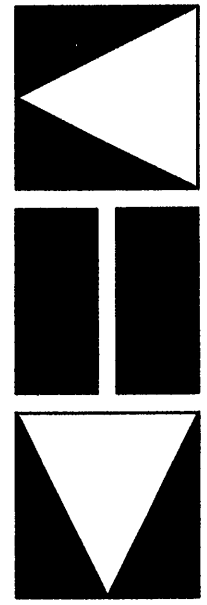
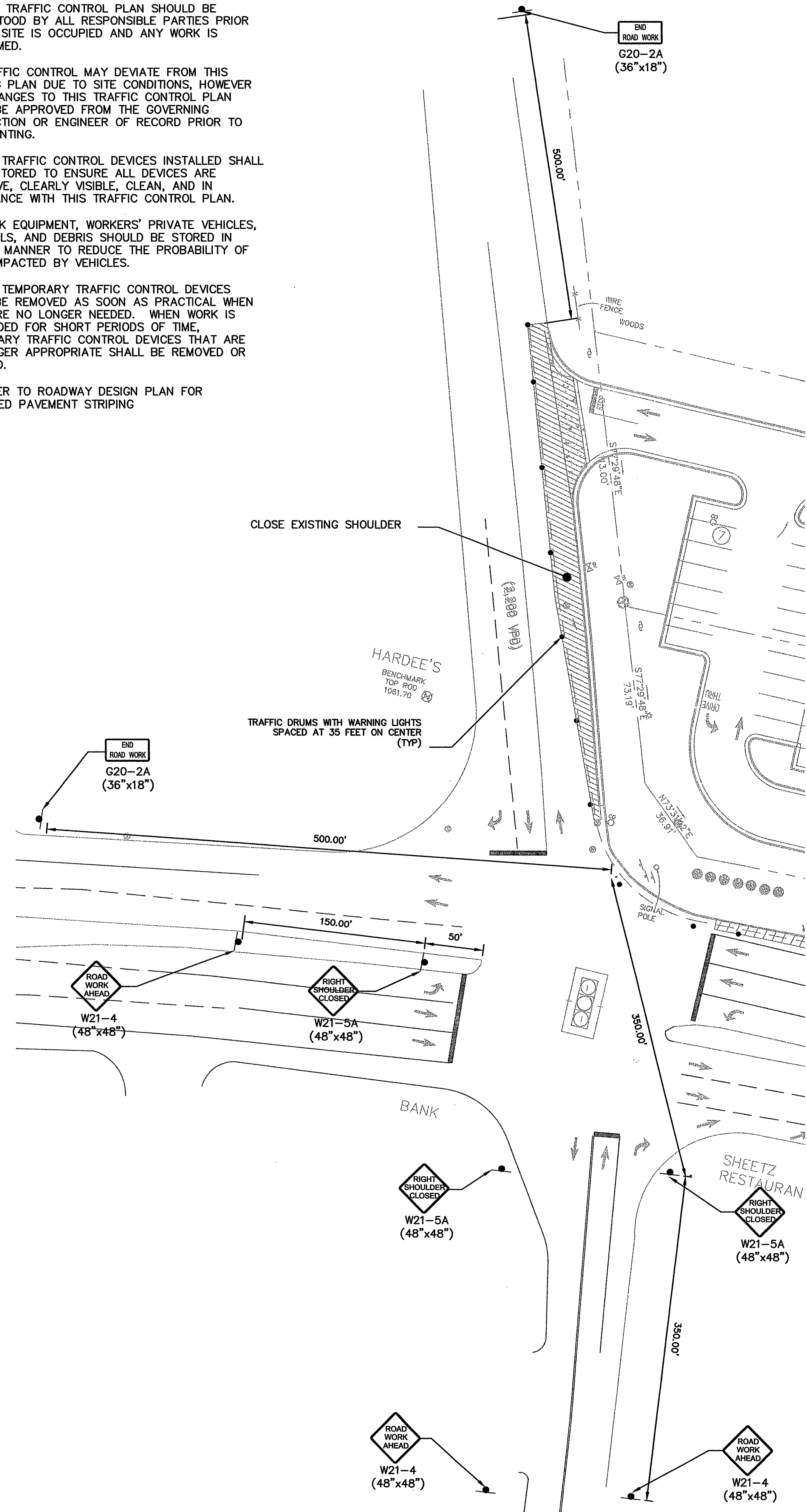
3.) TRAFFIC CONTROL MAY DEVIATE FROM THIS PHASING PLAN DUE TO SITE CONDITIONS, HOWEVER ANY CHANGES TO THIS TRAFFIC CONTROL PLAN SHALL BE APPROVED FROM THE GOVERNING JURISDICTION OR ENGINEER OF RECORD PRIOR TO IMPLEMENTING.

4.) ALL TRAFFIC CONTROL DEVICES INSTALLED SHALL BE MONITORED TO ENSURE ALL DEVICES ARE EFFECTIVE, CLEARLY VISIBLE, CLEAN, AND IN COMPLIANCE WITH THIS TRAFFIC CONTROL PLAN.

5.) WORK EQUIPMENT, WORKERS' PRIVATE VEHICLES, MATERIALS, AND DEBRIS SHOULD BE STORED IN SUCH A MANNER TO REDUCE THE PROBABILITY OF BEING IMPACTED BY VEHICLES.

6.) ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.

7.) REFER TO ROADWAY DESIGN PLAN FOR PROPOSED PAVEMENT STRIPING



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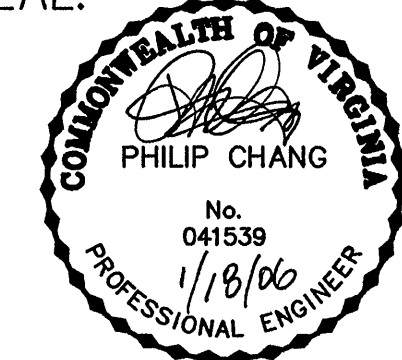
**Kimley-Horn
and Associates, Inc.**

1500 FOREST AVENUE, SUITE 115
RICHMOND, VIRGINIA 23229

CONSULTANT:

KIMLEY-HORN AND ASSOC.
1500 FOREST AVENUE
TEL (804) 673-3882
FAX (804) 673-3980

SEAL:



**CVS/
pharmacy**

11,945 S.F. PROTOTYPE

STORE NUMBER: #6296

INTERSECTION OF
PETERS CREEK RD. & COVE RD.
ROANOKE, VIRGINIA

OWNER/DEVELOPER:

THE REBKEE COMPANY
1020 OLD BON AIR ROAD
RICHMOND, VA 23235
PHONE: (804) 560-0500
FAX: (804) 560-0778

REVISIONS:

Δ COUNTY COMMENTS 12/27/05
Δ FINAL SUBMITTAL 01/18/06

LAYOUT COORD: DBE

PLANNING MGR. KDC

DRAWING BY: DHL

DATE: 11/15/05

JOB NUMBER: 113001052

TITLE:

**SUGGESTED MAINTENANCE
OF TRAFFIC PLAN**

SHEET NUMBER:

R3

COMMENTS: