1. QUALITY CONTROL

ALL WORK DONE IN THE PROPOSED, OR EXISTING RIGHT OF WAY, INCLUDING BUT NOT LIMITED TO STREET GRADING, STREET PAVING AND ALL CONSTRUCTION OF ALL STRUCTURAL COMPONENTS, SHALL BE DONE IN ACCORDANCE WITH CURRENT VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE STANDARDS AND SPECIFICATIONS. ALL MATERIALS USED SHALL BE TESTED IN ACCORDANCE WITH VOOT STANDARD POLICIES. THE DEVELOPER SHALL CONTACT THE OFFICE OF THE RESIDENT ENGINEER, PRIOR TO BEGINNING ANY CONSTRUCTION WITHIN THE PROPOSED OR EXISTING RIGHT OF WAY. AT THAT TIME, THE RESIDENT ENGINEER SHALL PREPARE AN INSPECTION AND TESTING SCHEDULE. THE DEVELOPER WILL PRODUCE TEST REPORTS FROM APPROVED INDEPENDENT LABORATORIES AT THE DEVELOPER'S EXPENSE.

THE PAVEMENT DESIGNS SHOWN ARE BASED ON A SUB-GRADE CBR VALUE OF 10 OR GREATER. THE SUB-GRADE SOIL IS TO BE TESTED BY AN INDEPENDENT LABORATORY AND THE RESULTS SUBMITTED TO THE VIRGINIA DEPARTMENT OF TRANSPORTATION PRIOR TO BASE CONSTRUCTION. SHOULD THE SUB-GRADE CBR VALUES BE LESS THAN 10, ADDITIONAL BASE MATERIAL WILL BE REQUIRED IN ACCORDANCE WITH DEPARTMENTAL SPECIFICATIONS.

THE SUB-GRADE SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO PLACEMENT OF THE BASE. BASE SHALL BE APPROVED BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION FOR DEPTH, TEMPLATE AND COMPACTION BEFORE SURFACE IS APPLIED.

2. UTILITIES

ALL NECESSARY UTILITY LATERALS ALONG WITH PROVISIONS FOR CONDUITS (I.E. WATER, SEWER, STORM, GAS AND TELEPHONE) WILL BE CONSTRUCTED PRIOR TO PLACEMENT OF BASE MATERIAL.

GAS OR PETROLEUM TRANSMISSION LINES WILL NOT BE PERMITTED WITHIN THE PAVEMENT OR SHOULDER ELEMENT (BACK CURB TO BACK OF CURB) OF THIS DEVELOPMENT. SERVICE LATERALS CROSSING AND PIPE LINES LOCATED OUTSIDE THE PAVEMENT BY INSIDE THE RIGHT-OF-WAY WILL BE CONSTRUCTED IN CONFORMITY WITH ASA B 31.8 SPECIFICATIONS AND SAFETY REGULATIONS. DISTRIBUTION LINES WITH PRESSURES LESS THAN 120 LBS. ARE UNAFFECTED BY THE ABOVE.

PERMITS WILL BE REQUIRED FOR ALL UTILITIES WITHIN STREET RIGHT-OF-WAY PRIOR TO ACCEPTANCE INTO THE SECONDARY HIGHWAY SYSTEM. ANY EASEMENTS GRANTED TO A UTILITY COMPANY FOR PLACEMENT OF POWER, TELEPHONE, ETC. SHALL BE RELEASED PRIOR TO ACCEPTANCE.

3. EROSION CONTROL AND LANDSCAPING

CARE SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT EROSION, DUST AND MUD FROM DAMAGING ADJACENT PROPERTY, CLOGGING DITCHES, TRACKING PUBLIC STREETS AND OTHER-WISE CREATING A PUBLIC OR PRIVATE NUISANCE TO SURROUNDING AREAS.

THE ENTIRE CONSTRUCTION AREA INCLUDING DITCHES, CHANNELS, BACK OF CURBS AND/OR PAVEMENT IS TO BE BACKFILLED AND SEEDED AT THE EARLIEST POSSIBLE TIME AFTER FINAL GRADING.

4. CONNECTIONS TO STATE-MAINTAINED ROADS

WHILE THESE PLANS HAVE BEEN APPROVED, SUCH APPROVAL DOES NOT EXEMPT CONNECTIONS WITH EXISTING STATE-MAINTAINED ROADS FROM CRITICAL REVIEW AT THE TIME PERMIT APPLICATIONS ARE MADE. THIS IS NECESSARY IN ORDER THAT THE PREVAILING CONDITIONS BE TAKEN INTO CONSIDERATION REGARDING SAFETY ACCOMPANIMENTS SUCH AS TURNING LANES.

5. STORM DRAINAGE

FIELD REVIEW WILL BE MADE DURING CONSTRUCTION TO DETERMINE THE NEED AND LIMITS OF PAVED DITCHES AND/OR DITCH STABILIZATION TREATMENTS, AND TO DETERMINE THE NEED AND LIMITS OF ADDITIONAL DRAINAGE EASEMENTS. ALL DRAINAGE EASEMENTS SHALL BE CUT AND MADE TO FUNCTION TO A NATURAL WATERCOURSE. ANY EROSION PROBLEMS ENCOUNTERED IN AN EASEMENT SHALL BE CORRECTED BY WHATEVER MEANS NECESSARY PRIOR TO SUBDIVISION ACCEPTANCE.

6. ENTRANCE PERMIT

CONTRACTOR SHALL OBTAIN ENTRANCE PERMIT TO THE EXISTING VIRGINIA DEPARTMENT OF TRANSPORTATION'S RIGHT-OF-WAY RESIDENT ENGINEER PRIOR TO CONSTRUCTION.

7. INSPECTION

AN INSPECTOR WILL NOT BE FURNISHED EXCEPT FOR PERIODIC PROGRESS INSPECTIONS, THE ABOVE MENTIONED FIELD REVIEWS AND CHECKING FOR REQUIRED STONE DEPTHS. THE DEVELOPER WILL BE REQUIRED TO POST A SURETY TO GUARANTEE THE WORK IN THE RIGHT-OF-WAY FREE OF DEFECTS FOR ONE YEAR AFTER ACCEPTANCE BY THE DEPARTMENT OF TRANSPORTATION.

8. UNDERGROUND UTILITIES

CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON THE PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK BY CONTACTING MISS UTILITY. CONTACT SITE ENGINEER IMMEDIATELY IF LOCATION OR ELEVATIONS IS DIFFERENT FROM THAT SHOWN ON THE PLANS. IF THERE APPEARS TO BE A CONFLICT, AND UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THIS PLAN, CALL "MISS UTILITY" OF CENTRAL VIRGINIA AT 1-800-552-7001.

SEC 30-94 EXTERIOR LIGHTING

(A) THE FOLLOWING EXTERIOR LIGHTING STANDARDS SHALL APPLY TO ALL USES AND DEVELOPMENTS REQUIRING A SITE DEVELOPMENT PLAN PURSUANT TO SEC. 30-90 OF THIS ORDINANCE.

1. ALL EXTERIOR LIGHTING FIXTURES SHALL BE DESIGNED, LUCATED AND ARRANGED SO AS NOT TO DIRECT GLARE ON ADJOINING STREETS OR RESIDENTIAL PROPERTIES. THE INTENSITY AT ADJOINING STREETS OR RESIDENTIAL PROPERTIES SHALL NOT EXCEED 0.5 FOOT CANDLES.

(B) ALL EXTERIOR LIGHTING FIXTURES WITHIN RESIDENTIAL ZONING DISTRICTS SHALL BE DESIGNED, LUCATED AND ARRANGED SO AS NOT TO DIRECT GLARE ON ADJOINING STREETS OR RESIDENTIAL PROPERTIES. THE LIGHTING INTENSITY AT ADJOINING RESIDENTIAL PROPERTIES SHALL NOT EXCEED 0.5 FOOT CANDLES.

SEC. 30-93-10 PROJECTING AND SUSPENDED SIGNS

(A) NO PROJECTING OR SUSPENDED SIGN SHALL EXTEND MORE THAN 6 FEET FROM ANY WALL OR OTHER STRUCTURE TO WHICH IT IS AFFIXED, NOR SHALL ANY SUCH SIGN HAVE A SETBACK OF LESS THAN 15 FEET FROM THE NEAREST PUBLIC RIGHT-OF-WAY.

(B) THE BOTTOM EDGE OF ANY PROJECTING OR SUSPENDED SIGN MUST BE AT LEAST 7 FEET ABOVE THE GROUND IF LOCATED ABOVE ANY PUBLICLY ACCESSIBLE WALKWAY OR DRIVEWAY.

(C) NO PROJECTING OR SUSPENDED SIGN SHALL PROJECT OR SUSPEND OVER AN ADJOINING LOT, WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ADJOINING PROPERTY OWNER.

SEC. 30-93-11 NUNCUNFURMING SIGNS

(A) ANY SIGN WHICH WAS LAWFULLY IN EXISTENCE AT THE TIME OF THE EFFECTIVE DATE OF THIS ORDINANCE WHICH DOES NOT CONFORM TO THE PROVISIONS HEREIN, AND ANY SIGN WHICH IS ACCESSORY TO A NONCONFORMING USE, SHALL BE DEEMED A NONCONFORMING SIGN AND MAY REMAIN EXCEPT AS QUALIFIED IN SUBSECTION (C), BELOW. NO NONCONFORMING SIGN SHALL BE ENLARGED, EXTENDED, STRUCTURALLY RECONSTRUCTED, OR ALTERED IN ANY MANNER; EXCEPT A SIGN HEAD MAY BE CHANGED SO LONG AS THE NEW HEAD IS EQUAL TO, OR REDUCED IN HEIGHT, SIGN AREA, AND/OR PROJECTION, AND SO LONG AS THE SIGN IS NOT CHANGED FROM AN ON-PREMISES SIGN TO AN OFFPREMISES SIGN.

(B) THE ADDITION OF LIGHTING OR ILLUMINATION TO A NONCONFORMING SIGN, SHALL CONSTITUTE AN EXPANSION OF A NONCONFORMING STRUCTURE, AND SHALL NOT BE PERMITTED UNDER THESE REGULATIONS.

(C) NONCONFORMING SIGNS MAY REMAIN, PROVIDED THEY ARE KEPT IN GOOD REPAIR, EXCEPT FOR THE FOLLOWING:

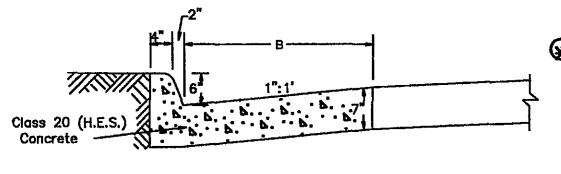
1. A NONCONFORMING SIGN WHICH IS DESTROYED OR DAMAGED TO THE EXTENT EXCEEDING 50 PERCENT OF ITS REPLACEMENT VALUE SHALL NOT BE ALTERED, REPLACED OR REINSTALLED UNLESS IT IS IN CONFORMANCE WITH THESE SIGN REGULATIONS. IF THE DAMAGE OR DESTRUCTION IS 50 PERCENT OR LESS OF ITS REPLACEMENT VALUE, THE SIGN MAY BE RESTORED WITHIN 90 DAYS OF THE DAMAGE OR DESTRUCTION, BUT SHALL NOT BE ENLARGED IN ANY MANNER.

2. A NONCONFORMING ON-PREMISES SIGN SHALL BE REMOVED IF THE STRUCTURE OR USE TO WHICH IT IS ACCESSORY IS DESTROYED OR DEMOLISHED TO THE EXTENT EXCEEDING 50 PERCENT OF THE PRINCIPAL STRUCTURE'S VALUE.

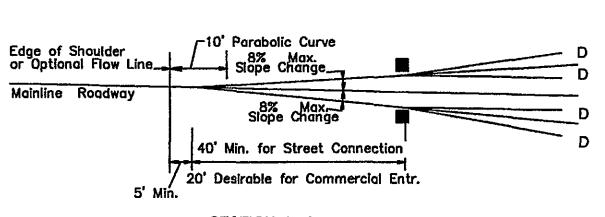
3. WHENEVER A CHANGE OF ZONING OCCURS BY PETITION OF THE OWNER, CONTRACT PURCHASER WITH THE OWNER'S CONSENT, OR THE OWNER'S AGENT UPON A LOT WHICH CONTAINS A NONCONFORMING ON-PREMISES SIGN, SUCH SIGN SHALL NOT BE PERMITTED WITHOUT BEING MODIFIED IN SUCH A MANNER AS TO BE IN FULL COMPLIANCE WITH THESE SIGN REGULATIONS.

SEC. 30-93-12 DAMAGED OR NEGLECTED SIGNS

(A) THE BUILDING COMMISSIONER OF ROANOKE COUNTY SHALL HAVE THE AUTHORITY TO ORDER THE REMOVAL, WITHOUT COMPENSATION, OF ANY SIGN OR SIGN STRUCTURE THAT DUE TO NEGLECT OR DAMAGE POSES A CLEAR DANGER TO THE HEALTH, SAFETY AND WELFARE OF THE PUBLIC.



SECTION C-C



SECTION A - A Guidelines for Grade Change D Ce Volume Desirable Mo

Entrance Volume	Desirable	Maximum
High (more than 1500 VPD)	o %	3 %
Medium (500-1500 VPD)	<3 %	6 %
Low (less than 500 VPD)	≤6 %	8 %

(Radius to be as

Note: Width "B" 2'-0" or as shown on typical section.

St'd CG-12 -

l" Sidewaik

When the entrance radii cannot accommodate the turning requirements of anticipated heavy truck traffic, the depth for sidewalk & curb ramps within the limits of the radii should be increased to 7".

When St'd. CG—11 is used for entrances built in conjunction with VDOT projects, please note the following:

 Mainline pavement shall be constructed to the R/W line (except any subgrade stabilization required for mainline pavement which can be omitted in the entrance.)

Radial curb or combination curb and gutter shall not be constructed beyond the R/W line except for replacement purposes.

When used in conjunction with Standard CG-3 or CG-7, the curb face on this Standard is to be adjusted to match the mountable curb configuration.

See Standard CG-12 for Curb Ramp design to be used with this Standard.

* Optional flowline may be used for entrances in cut sections.

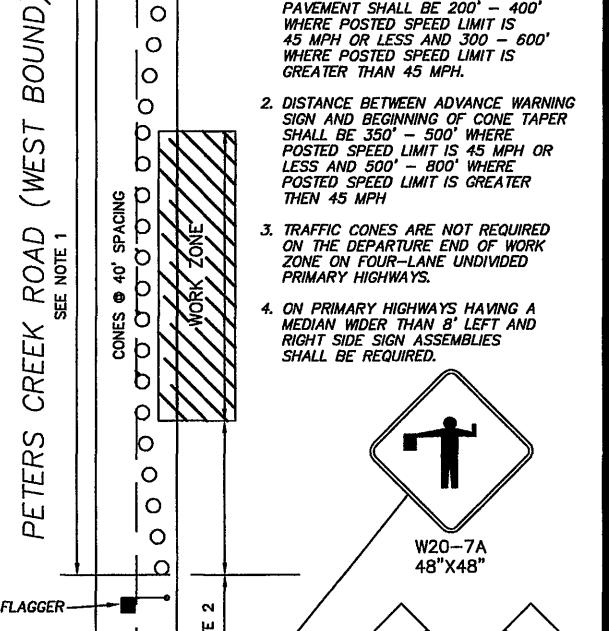
Optional flowline may require warping of a

(Radius to be a

shown on plans)

portion of gutter to preclude ponding of water.

Expansion Joint



CENTURION ROAD

ROAD WORK

SPECIAL

1. LENGTH OF CONE TRANSITION FROM

EDGE OF SHOULDER TO EDGE OF

ROAD

WORK

AHEAD

W21-4

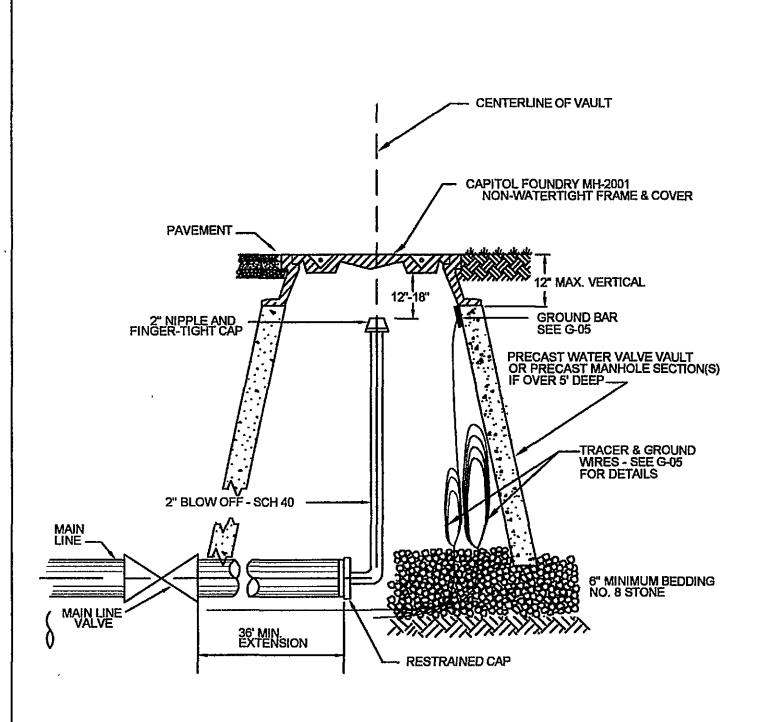
48"X48"

NOTES:

TYPICAL TRAFFIC CONTROL WORK BETWEEN PAVEMENT

AND DITCH LINE ON EXISTING STREET

NO SCALE



* * Street approach same surfacing as mainline

*Optional Flow Line

Mainline roadway

readway

PLAN VIEW

CONNECTION FOR STREET INTERSECTIONS

AND COMMERCIAL ENTRANCES

BLOW OFF ASSEMBLY
FOR MAIN LINE
N TEMPORARY TERMINATION
C1.8 NO SCALE

NOTES:

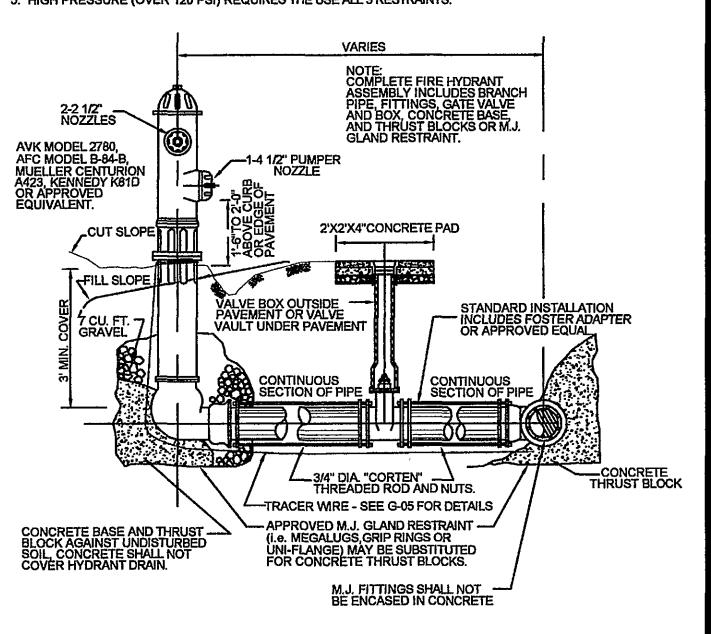
1. PUBLIC HYDRANTS SHALL BE PAINTED SILVER WITH AN OIL-BASED PAINT AND PRIVATE HYDRANTS SHALL BE PAINTED WHITE WITH AN OIL-BASED PAINT.

2. FIRE HYDRANT SHALL BE INSTALLED 2' MIN. AND 4' MAX. FROM BACK OF CURB OR 6' MIN. AND 12' MAX. WHEN CURB IS NOT PRESENT. FIRE HYDRANT TO BE INSTALLED WITHIN RIGHT-OF-WAY OR EASEMENT LINE.

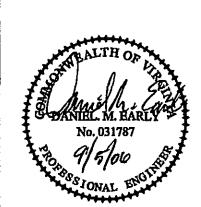
3. AREA AROUND HYDRANT AT A RADIUS OF 4' TO BE LEVEL AND UNOBSTRUCTED.

4. WATERPROOF BAGS SHALL BE PLACED OVER ALL NEWLY INSTALLED FIRE HYDRANTS.

5. HIGH PRESSURE (OVER 120 PSI) REQUIRES THE USE ALL 3 RESTRAINTS.



O FIRE HYDRANT ASSEMBLY
C1.8 NO SCALE



ACS DESIGN Engineering-Planning-Surveying

Construction Management

2203 Peters Creek Road, NW Roanoke, Virginia 24017 Phone: 540 562 2345 Fax: 540 562 2344 Email: info@acsdesignllc.com www.acsdesignllc.com

TAR EYE CENTER
SITE PLAN
KE COUNTY, VIRGINIA

5

DRAWN BY: KAL

DESIGNED BY: MAL

CHECKED BY: DME

DATE: 03/28/2006

SCALE: NONE

REVISIONS

REVISIONS

SHEET No.

CONSTRUCTION DETAILS & CONSTRUCTION NOTES

JOB No. 06005