

## 1. QUALITY CONTROL

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.

## 2. UTILITIES

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.

### 3. EROSION CONTROL AND LANDSCAPING

#### 4. CONNECTIONS TO STATE-MAINTAINED ROADS

## 5. STORM DRAINAGE

## 6. ENTRANCE PERMIT

## 7. INSPECTION

## 8. UNDERGROUND UTILITIES

**SEC 30-94 EXTERIOR LIGHTING**

(B) ALL EXTERIOR LIGHTING FIXTURES WITHIN RESIDENTIAL ZONING DISTRICTS SHALL BE DESIGNED, LOCATED 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. 30-93-11 NONCONFORMING SIGNS

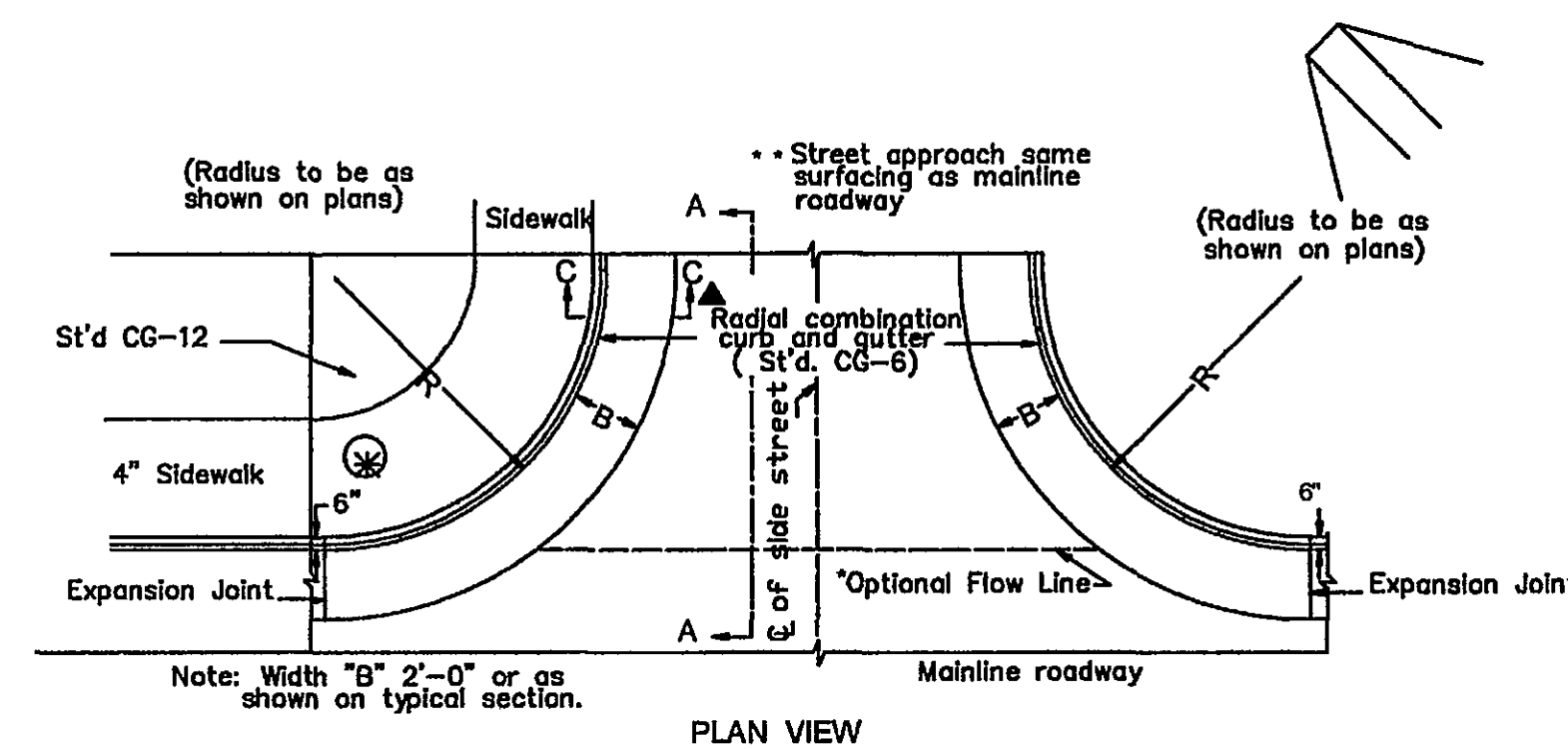
SEC. 30-93-12 DAMAGED OR NEGLECTED SIGNS

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

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

Optional flowline may require warping of a portion of gutter to preclude ponding of water.

SECTION A - A		
Guidelines for Grade Change D		
<u>Entrance Volume</u>	<u>Desirable</u>	<u>Maximum</u>
High (more than 1500 VPD)	0 %	3 %
Medium (500-1500 VPD)	<3 %	6 %
Low (less than 500 VPD)	<6 %	8 %



update heavy curb ramps increased to

ances built please

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entrances

ng of a ing of water.

CENTURY ROAD

END ROAD WORK

SPECIAL

NOTES:

1. LENGTH OF CONE TRANSITION FROM EDGE OF SHOULDER TO EDGE OF PAVEMENT SHALL BE 200' - 400' WHERE POSTED SPEED LIMIT IS 45 MPH OR LESS AND 300 - 600' WHERE POSTED SPEED LIMIT IS GREATER THAN 45 MPH.
2. DISTANCE BETWEEN ADVANCE WARNING SIGN AND BEGINNING OF CONE TAPER SHALL BE 350' - 500' WHERE POSTED SPEED LIMIT IS 45 MPH OR LESS AND 500' - 800' WHERE POSTED SPEED LIMIT IS GREATER THAN 45 MPH
3. TRAFFIC CONES ARE NOT REQUIRED ON THE DEPARTURE END OF WORK ZONE ON FOUR-LANE UNDIVIDED PRIMARY HIGHWAYS.
4. ON PRIMARY HIGHWAYS HAVING A MEDIAN WIDER THAN 8' LEFT AND RIGHT SIDE SIGN ASSEMBLIES SHALL BE REQUIRED.

PETERS CREEK ROAD (WEST BOUND)

SEE NOTE 1

CONES @ 40' SPACING

WORK ZONE

FLAGGER

SEE NOTE 2

SEE NOTE 2

W20-7A  
48"X48"

ROAD WORK AHEAD

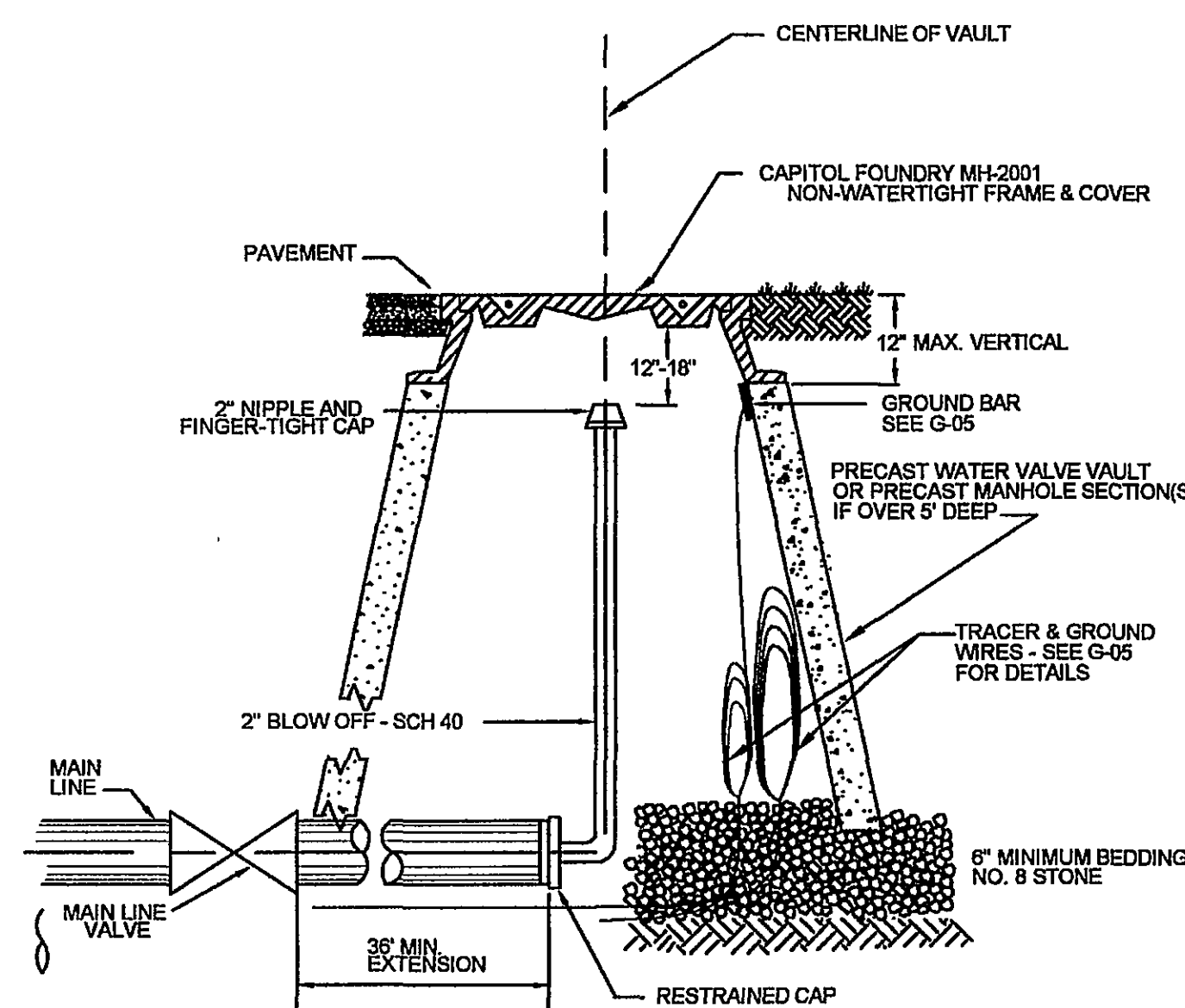
W21-4  
48"X48"

TYPICAL TRAFFIC CONTROL WORK BETWEEN PAVEMENT AND DITCH LINE ON EXISTING STREET

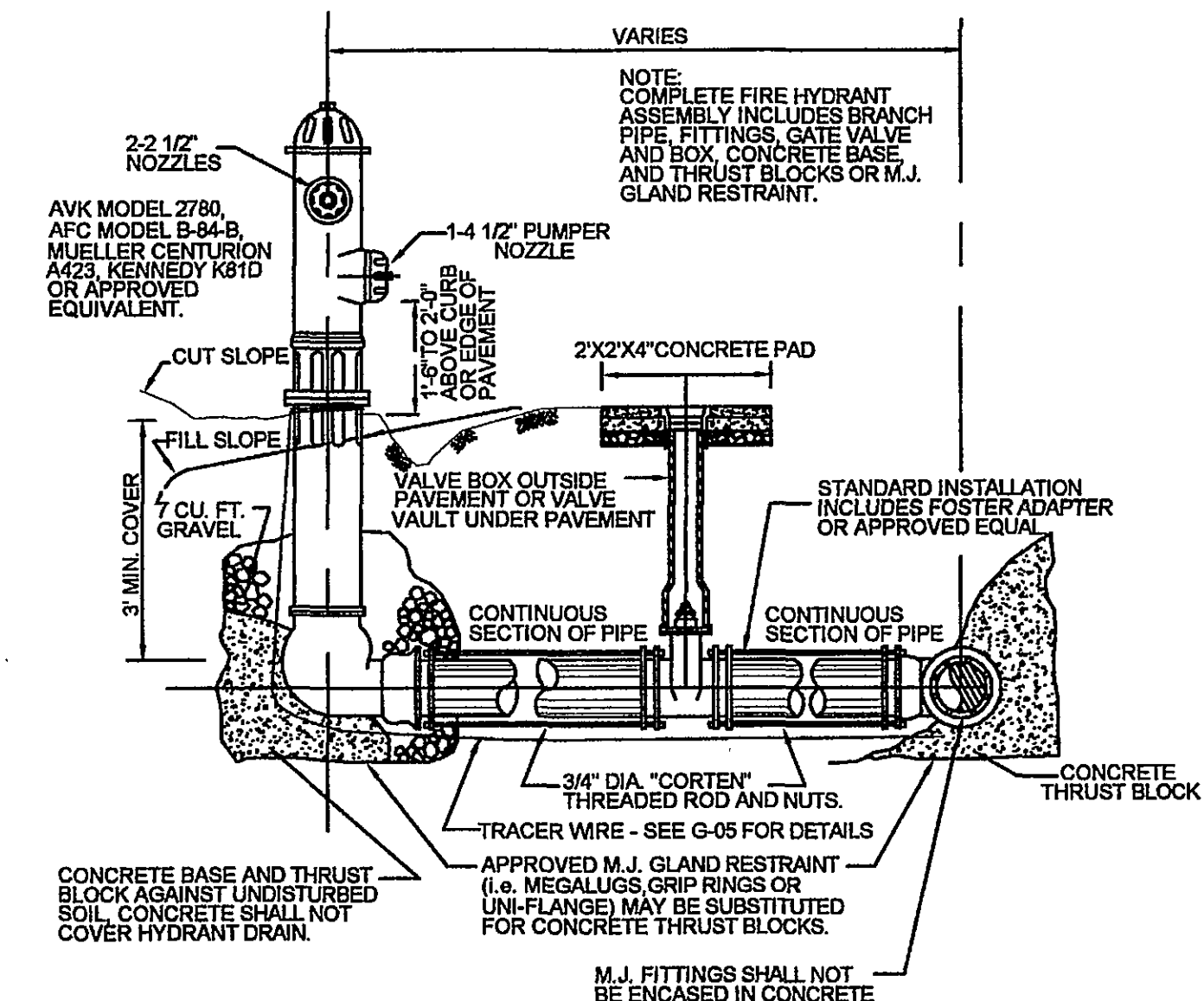
NO SCALE

NOTES:

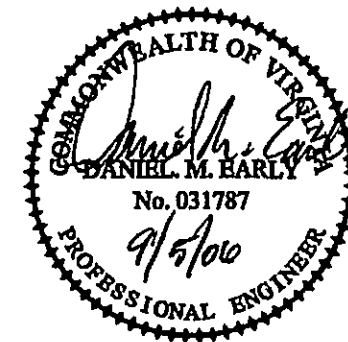
1. PUBLIC HYDRANTS SHALL BE PAINTED SILVER WITH AN OIL-BASED PAINT AND PRIVATE HYDRANTS SHALL BE PAINTED WHITE WITH AN OIL-BASED PAINT.
2. FIRE HYDRANT SHALL BE INSTALLED 2' MIN. AND 4' MAX. FROM BACK OF CURB OR 6' MIN. AND 12' MAX. WHEN CURB IS NOT PRESENT. FIRE HYDRANT TO BE INSTALLED WITHIN RIGHT-OF-WAY 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.



BLOW OFF ASSEMBLY  
FOR MAIN LINE  
TEMPORARY TERMINATION  
NO SCALE



FIRE HYDRANT ASSEMBLY  
NO SCALE



# ACS DESIGN

**Engineering-Planning-Surveying**  
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VISTAR EYE CENTER  
SITE PLAN  
ROANOKE COUNTY, VIRGINIA

**DRAWN BY:**                      KAL

DESIGNED BY: KAL

CHECKED BY: DME

DATE: 03/28/2006

SCALE: NONE

## REVISIONS

[illegible]

**SHEET No.**

# C1.8

**CONSTRUCTION DETAILS  
& CONSTRUCTION NOTES**

JOB No. 06005