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**SINGLE RESIDENTIAL
WATER SERVICE**
(REPLACEMENT OF EXISTING SERVICE)

W-2

- TRAFFIC BEARING LOCATION**

TRAFFIC BEARING VAULT AND H-20 RATED HATCH SHALL BE SIZED IN ACCORDANCE WITH DIMENSIONAL REQUIREMENTS SHOWN BELOW.

ANGLE DUAL CHECK VALVE
BRONZE DISK METER
LOCKABLE SHUTOFF
6" TYP.
3'-0"
2'-6"
SEE NOTE 5
HATCH SHALL BE BILCO MODEL J-34/H20 (30T-20T) OR APPROVED EQUAL
SEE NOTES 2 & 3

NON TRAFFIC BEARING LOCATION

SIZING CHART LID

| METER BOX DIA. (MIN.) | LID DIA. (MIN.) | COVER & LID MODEL (OR APPROVED EQUAL) |
|-----------------------|-----------------|---------------------------------------|
| 5/8" | 18" | 11 1/2" |
| 3/4" - 1" | 24" | 20" |
| 1 1/2" - 2" | 30" | 20" |

BRONZE DISK METER
LOCKABLE SHUTOFF
WATER
MAIN
SEE NOTE 5
SEE NOTES 2 & 3
ANGLE DUAL CHECK VALVE
FINAL GRADE
22" MIN.
MIN. 6" STONE VDOUT 57
SEE NOTE 6
TRACER & GROUND WIRES SEE GENERAL DETAIL

COMMERCIAL
WATER SERVICE
METER SIZES 5/8" - 2"

W-5

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WATER LINE VALVE
& VAULT

01/01/14

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TEMPORARY END OF LINE
BLOW-OFF ASSEMBLY

01/01/14

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- 3/4" STAINLESS STEEL
THREADED RODS (TYP.)
- BUTYL MASTIC (NO MORTAR)
BETWEEN F&C AND M.H. TOP
AND BETWEEN GRADE RINGS
- GROUND BAR
SEE GENERAL DETAIL
- FIRST STEP TO BE 1.5" MAX
FROM TOP OF M.H.
- BUTYL MASTIC OR GASKETS
MEETING ASTM C443 & ASTM C1244
TESTING STANDARD (NO MORTAR)
- STEPS (TYP.)
- 2'-0" 8" TYP.
- 1" VARIABLE ADJUSTMENT
TO BE INCLUDED IN 10"
MAXIMUM HEIGHT
- 1'-0" Max.
- VARIES
- 4'-0" Max.
- VARIES
- 10" MAXIMUM
- 1'-4" Max.
- VARIES
- VARIES
- 2" MINIMUM
SEPARATION
AT CUT OUT
- MANUFACTURED OPENING
AS REQUIRED BY PIPE SIZE
- Ø OF VALVE FRAME AND COVER
- 6" MINIMUM
VDOT 57
- TRACER WIRE
SEE GENERAL DETAIL
- GROUND ROD
SEE GENERAL DETAIL

DEEP VALVE
VAULT (MANHOLE)

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| 01/01/14 | |
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- 1" D/A. PICK HOLE
- A A
- WATER
- CAPITOL FOUNDRY M
TRAFFIC BEARING NO
FRAME & COVER OR

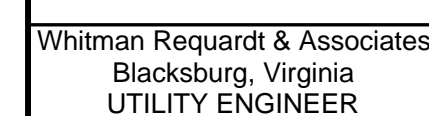
CAPITOL FOUNDRY MH-2001
TRAFFIC BEARING NON-WATERTIGHT
FRAME & COVER OR APPROVED EQUAL

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- Diagram illustrating the cone section of a bridge deck. The diagram shows a cross-section of the deck with a 3/4" threaded rod stainless steel reinforcement. The rod is positioned 4" minimum (typical) from the bottom edge. The distance from the top edge to the rod is 12" maximum. The section is labeled "CONE SECTION".

VAULT FRAME
AND COVER

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| 01/01/14 | |
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VDOT PROJECT NUMBERS:
0115-080-R95, P101, C501 &
EN12-080-823, P101, R201, C501

VDOT UPC NUMBERS: 98220 & 103607

PLANTATION ROAD, BICYCLE, PEDESTRIAN, AND STREETSCAPE IMPROVEMENTS PROJECT

Drawing
DETAIL DRAWING
WVWA – WATER

Sheet
10(2)