

DETECTABLE WARNING SEE TRUNCATED DOME

 $6" \times 6" \times W1.4 \times W1.4 \text{ W.W.F.}$

COMPACTED SUB-GRADE

BRASS CLEANOUT
COUNTER-SUNK HEAD (TYP.)---

MODIFIED PARALLEL SIDEWALK RAMP DETAIL

N.T.S.

STRAIGHT SIDEWALK RAMP DETAIL

PARALLEL SIDEWALK RAMP DETAIL

" MIN.* CLASS A 4000 P.S.I.

MAXIMUM AND EXPANSION JOINTS

CONCRETE. PROVIDE CONTROL

JOINTS @ 10'-0" O.C.

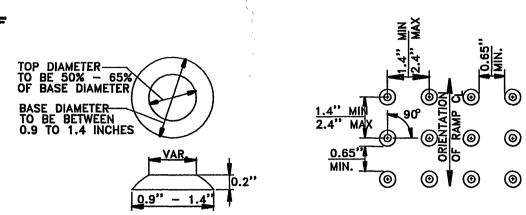
—6" MIN. AGGREGATE

AT 40'-0" O.C. MAXIMUM

N.T.S.

*4" CONC. @ ALL SIDEWALKS W/ 4" MIN. AGGREGATE BASE

CONCRETE PAVEMENT SECTION



TRUNCATED DOMES DETAIL

TRUNCATED DOMES MUST EXTEND THE FULL WIDTH OF THE RAMP AND 24" FROM BACK OF CURB IN THE DIRECTION OF TRAVEL. MATERIAL SHALL BE RED PAVESTONE PAVERS OR EQUIVALENT. CONCRETE STAMPED PATTERNS WILL NOT BE ACCEPTED.

USE STANDARD SIGNS OF SIZE COLOR & DESIGN AS REQUIRED BY THE BUILDING INSPECTOR II

STANDARD "FINE" SIGN WHEN

- 1 REQ'D THIS PROJECT ON SPACES ADJACENT TO 8' AISLE

REQUIRED BY LOCAL CODE

GALVANIZED U-CHANNEL STEEL

POST WT. 3 LBS. PER FT.

INIMUM FINE \$\$\$\$

VAN ACCESSIBLE

ACCESSIBLE PARKING

SIGN DETAIL

N.T.S.

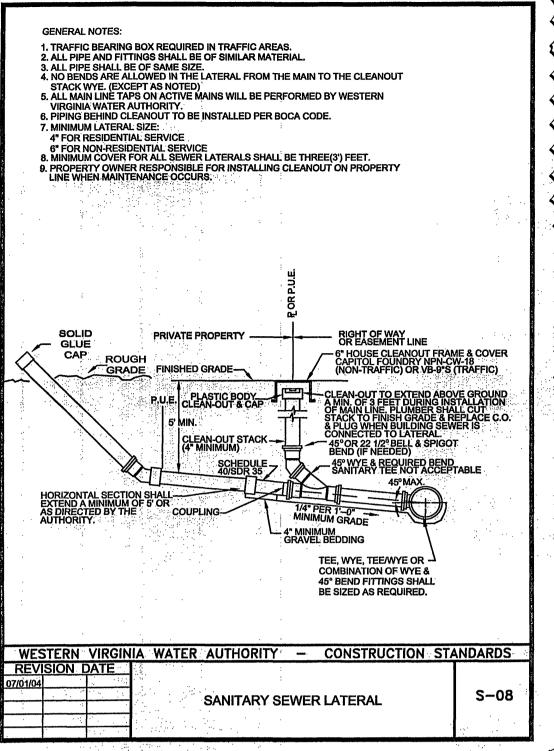
MATERIAL SHALL MATCH THE REST OF THE CENTER.

CRITICAL THAT THE CONTRACTOR COORDINATE THIS CONSTRUCTION PIPING BEHIND CLEANOUT TO BE INSTALLED PER BOCA CODE. WITH OTHER CONTRACTORS ON SITE. MINIMUM LATERAL SIZE: " FOR RESIDENTIAL SERVICE NEW FINISHED ELEVATIONS SHOWN ARE TOP OF FUTURE PAVING IN 6" FOR NON-RESIDENTIAL SERVICE B. MINIMUM COVER FOR ALL SEWER LATERALS SHALL BE THREE(3") FEET. AREAS TO RECEIVE PAVEMENT AND TOP OF TOPSOIL IN PLANTING 9. PROPERTY OWNER RESPONSIBLE FOR INSTALLING CLEANOUT ON PROPERTY LINE WHEN MAINTENANCE OCCURS. ROUGH GRADE ELEVATIONS SHALL BE AS FOLLOWS: 4" BELOW FINISHED CONTOURS IN GRASS AREAS. 12" BELOW FINISHED CONTOURS IN CONCRETE PAVED AREAS. 8" BELOW FLOOR ELEVATIONS WITHIN THE BUILDING AND SIDEWALK AREAS, UNLESS OTHERWISE NOTED. 4. PVC STORM DRAIN PIPE IS SDR35. DIMENSIONS ON BUILDINGS ARE FOR GRADING PURPOSES ONLY AND ARE NOT TO BE USED TO LAY-OUT FOOTINGS. REFER TO RIGHT OF WAY OR EASEMENT LINE STRUCTURAL DRAWINGS FOR FOUNDATION INFORMATION. GRADING CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL GRADE UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES. CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION WITH THE ALTERATION OF OR RELOCATION OF THE FACILITIES. GRADING CONTRACTOR SHALL COOPERATE AND WORK WITH ALL OTHER CONTRACTORS PERFORMING WORK ON THIS PROJECT TO INSURE PROPER AND TIMELY COMPLETION OF THIS PROJECT. THE GRADING CONTRACTOR SHALL USE WHATEVER MEASURES ARE REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL LOCAL EROSION, CONSERVATION, AND SILTATION TEE, WYE, TEE/WYE OR -ORDINANCES. CONTRACTORS SHALL REMOVE ALL TEMPORARY EROSION COMBINATION OF WYE & 45° BEND FITTINGS SHALL BE SIZED AS REQUIRED. CONTROL STRUCTURES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND NOT BEFORE THE ESTABLISHMENT OF A STAND OF GRASS SUFFICIENT TO PREVENT EROSION. 9. SITE GRADING CONTRACTOR SHALL TERMINATE ALL STORM DRAIN PIPES FIVE FEET MAXIMUM FROM BUILDING UNLESS OTHERWISE 10. ALL EXCAVATING IS UNCLASSIFIED AND SHALL INCLUDE ALL SANITARY SEWER LATERAL MATERIALS ENCOUNTERED. 11. BEFORE ANY MACHINE WORK IS DONE, CONTRACTOR SHALL STAKE OUT AND MARK THE ITEMS ESTABLISHED BY THE SITE PLAN. CONTROL POINTS SHALL BE PRESERVED AT ALL TIMES DURING THE COURSE OF THE PROJECT. LACK OF PROPER WORKING POINTS AND GRADE STAKES

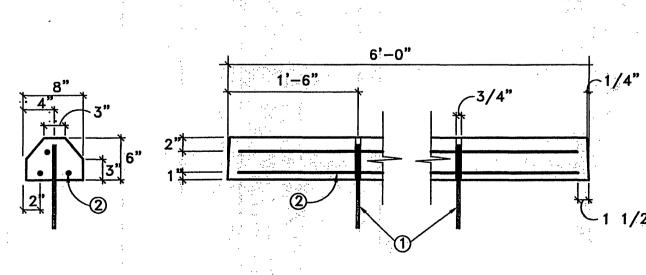
- CONTRACTOR SHALL SAW-CUT TO PROVIDE SMOOTH TRANSITIONS AT TIE-INS TO TO EXISTING EDGES OF PAVEMENT AND AT COLD JOINTS OF RECENTLY PAVED ASPHALT.
- JOINTS OR SCORE MARKS ARE TO BE SHARP AND CLEAN WITHOUT SHOWING EDGES OF JOINTING TOOL.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS, AND/OR LOCAL STANDARDS IMPOSED BY LOCAL UTILITY, CITY, COUNTY, AND STATE.
- 6. ALL CONCRETE SHALL BE CLASS A 4000 P.S.I. UNLESS NOTED OTHERWISE. DO NOT POUR ANY CONCRETE BEFORE FORMS ARE INSPECTED AND APPROVED BY THE INSPECTOR.
- ALL RAMPS CONSTRUCTED ARE NOT TO EXCEED A SLOPE OF 1:12.
- CONCRETE DUMPSTER PADS TO BE FLUSH WITH PAVEMENT UNLESS INDICATED OTHERWISE.
- CONSTRUCTION BE IN ACCORDANCE WITH THE CITY OF ROANOKE AND VDOT STANDARD DETAILS AND SPECIFICATIONS.

- CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY AGC OF AMERICA, INC., AND THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION ISSUED BY THE U.S. DEPARTMENT OF LABOR.
- ALL DIMENSIONS ARE TO BACK OF CURB UNLESS INDICATED OTHERWISE.

- THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO SEPARATE WORK AREAS FROM PEDESTRIAN TRAFFIC AND TO INSURE SAFE PEDESTRIAN PASSAGE AT ALL TIMES.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR COST OF PAVEMENT REPLACEMENT WHERE UTILITY LINES ARE EXTENDED ACROSS EXISTING ASPHALT.
- 11. IT IS THE CONTRACTORS RESPONSIBILITY THAT ALL THE

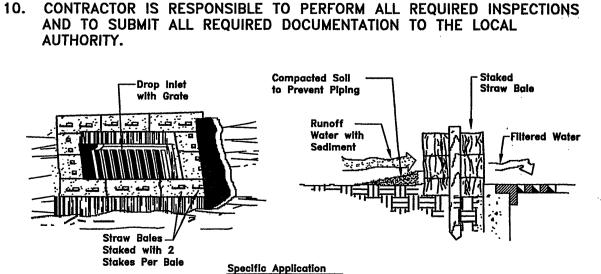


SITE LAYOUT NOTES



PRECAST CONCRETE WHEEL STOP DETAIL

- (1.) NO. 5 BARS -18" MIN. LENGTH FILL VOID WITH BUTYL RUBBER CAULKING (COMMERCIAL GRADE) OR OTHER APPROVED MATERIAL.
- 2.) NO. 3 DEFORMED BARS OR LARGER (3 REQUIRED)
- (3.) THE MIN. REQUIREMENT FOR REINFORCING STEEL SHALL BE GRADE 40. THE UNIT WEIGHS APPROXIMATELY 38 POUNDS PER FOOT.
- (4.) OTHER TYPES OF STOPS MAY BE PERMITTED IF APPROVED IN WRITING BY THE ARCHITECT.



drains a relatively flat area (slopes no greater than 5 percent) where sheet or overland flows (not exceeding 0.5 cfs) are typical. The

SITE UTILITY NOTES

CONTROLLER W/ OWNER PRIOR TO INSTALLATION.

DEPARTMENT INSPECTOR PRIOR TO BEING COVERED.

5 FEET OF BUILDING AND AT ALL BENDS.

OTHER CONTRACTORS ON THE SITE.

EXISTING SOIL CONDITIONS.

PLUMBING CONTRACTOR.

PAY ALL APPLICABLE FEES.

ROANOKE.

SPECIFICATIONS.

RELOCATE IF REQUIRED.

PLANS FOR THE BUILDING.

TO RECEIVE TOPSOIL.

DESIGNATED BY THE ENGINEER.

PURPOSE THEY SHALL BE REMOVED.

ADJUSTMENT AS NECESSARY TO BE EFFECTIVE.

BE SEEDED.

PROVIDE POWER IN CONDUIT TO IRRIGATION CONTROLLER PER

MANUFACTURERS RECOMMENDATIONS. VERIFY EXACT LOCATION OF

SITE UTILITY CONTRACTOR TO COORD. WITH IRRIGATION CONTRACTOR TO

THRUST BLOCKS SHALL BE PROVIDED AT ALL TEES, ELBOWS, AND BENDS

ALL DOMESTIC WATER AND SANITARY SEWER STUBS TO BE TERMINATED 5

MARKED UNTIL SUCH TIME AS CONNECTION IS MADE INSIDE BUILDING BY

APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION OF THE

UTILITIES. ALL PIPE AND FITTINGS SHALL BE INSPECTED BY THE WATER

AND/OR LOCAL STANDARDS IMPOSED BY LOCAL UTILITY, AND THE CITY OF

LOCAL UTILITY AUTHORITIES FOR CONNECTION TO THE EXISTING MAINS AND

REQUIRED TO AVOID CONFLICTS WITH STORM SEWER OR OTHER UTILITIES AT

SEWER CLEANOUTS ARE REQUIRED AT A MAXIMUM SPACING OF 75 FEET ON UTILITY LEAD-INS TO BUILDING. CONTRACTOR TO PROVIDE CLEANOUT WITHIN

ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS,

THE SITE UTILITY CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE

7. ALL WATER LINES SHALL HAVE A MINIMUM COVER OF 36" ABOVE TOP OF

CONTRACTOR SHALL ADJUST LOCATION OF PROPOSED WATER LINES AS

10. THE SITE UTILITY CONTRACTOR SHALL COOPERATE AND WORK WITH ALL

11. ALL MATERIALS SHALL BE U.L. LISTED AND FACTORY MUTUAL APPROVED

ARE TAKEN FROM READILY AVAILABLE INFORMATION. THE ACTUAL

13. USE PVC C900, DR 25 WATER PIPE AND FITTINGS FOR WATER

JOINTS SHALL BE GASKETED TYPE JOINTS.

LINES OVER 4" DIA. USE PVC C900, DR 18 WATER PIPE AND

SMALLER SHALL BE PVC C900, SDR26 OR SDR 21 PVC PIPE.

PLANS ARE COMPLETED AND LOCATIONS ESTABLISHED ON THE

EROSION CONTROL NOTES

ARCHITECTURAL PLUMBING PLANS. LEAD-INS MAY CHANGE 15'

FITTINGS FOR ALL FIRE LINES TO BUILDINGS. PIPES 4" DIA. AND

14. UTILITY LEAD-INS TO BUILDING SHALL NOT BE INSTALLED UNTIL BUILDING

HORIZONTALLY AND 3' VERTICALLY PRIOR TO INSTALLATIONS AT NO

AND RECEIVE WRITTEN APPROVAL FROM PRIME CONTRACTOR PRIOR TO INSTALLATION OF LEAD-INS. LOCATION, SIZE, AND INVERT ELEVATIONS OF

ADDITIONAL COST TO THE OWNER. UTILITY CONTRACTOR SHALL REQUEST

SANITARY SEWER SHALL BE COORDINATED WITH THE APPROVED PLUMBING

15. BUILDING PLUMBING CONTRACTOR SHALL PAY ALL COST FOR WATER METERS,

METER BOXES, VALVES, ETC. TO PROVIDE A COMPLETE JOB PER LOCAL

TEMPORARY EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO

TEMPORARY EROSION CONTROL DEVICES AND SHALL REMOVE SILT FROM

BERM DITCHES, SILT DAMS, AND SILT FENCES AS NEEDED. INSPECT

MINIMUM OF 4". ALL AREAS NOT COVERED BY BUILDINGS OR PAYING

BEGINNING OF GRADING. CONTRACTOR SHALL MAINTAIN ALL

DEVICES WITH GENERAL CONTRACTOR AT LEAST ONCE A WEEK.

STOCKPILED, AND REDISTRIBUTED OVER ALL GRADED AREAS TO A

TOPSOIL IS TO BE STRIPPED FROM ALL CUT AND FILL AREAS,

3. ALL GRADED AREAS INCLUDING SLOPES ARE TO BE MULCHED AND

SEEDED AS SOON AS POSSIBLE AFTER GRADING IS COMPLETED.

4. CUT AND FILL SLOPES ARE NOT TO EXCEED 3:1 UNLESS OTHERWISE

CONSTRUCT EROSION CONTROL DEVICES AS SHOWN AND WHERE

WHEN THE TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES ARE NO LONGER REQUIRED FOR THE INTENDED

EROSION CONTROL MEASURES SHALL MEET OR EXCEED MINIMUM

CRITERIA, STANDARDS AND SPECIFICATIONS SET BY CITY OF ROANOKE.

ALL NEW STRUCTURES AND EXISTING STRUCTURES SHALL HAVE ALL SEDIMENT REMOVED PRIOR TO ACCEPTANCE.

ALL DIMENSIONS AND LOCATIONS OF TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE SUBJECT TO

COORDINATE WITH LANDSCAPING DRAWINGS AS TO TYPE OF GROUND

COVER TO BE USED. AT A MINIMUM, ALL DISTURBED AREAS ARE TO

UNLESS DIRECTED OTHERWISE BY THE ENGINEER. ALL LINES WITHIN THE

R.O.W. ARE TO BE ACCEPTED BY THE CITY AND SHALL MEET THE CITY'S

12. THE EXISTING UTILITY FACILITIES AND LOCATIONS SHOWN ON THE DRAWINGS

LOCATIONS OF THE UTILITY FACILITIES MAY VARY SOMEWHAT FROM THE

LOCATIONS SHOWN OR INDICATED ON THE DRAWINGS. THE SITE UTILITY

CONTRACTOR SHALL CONTACT ALL AGENCIES WITH UTILITY FACILITIES IN THE

VICINITY OF THE WORK AND SHALL LOCATE ALL UNDERGROUND FACILITIES

BEFORE BEGINNING WORK. THE CONTRACTOR SHALL PROTECT ALL UTILITY

CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS AND

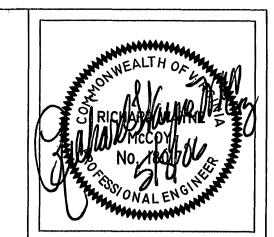
FACILITIES AND REPAIR ANY DAMAGES RESULTING FROM THEIR WORK, IN

SITE UTILITY CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND

FEET OUTSIDE OF THE BUILDING UNLESS OTHERWISE NOTED. THE END OF THESE SERVICE LINES SHALL BE TIGHTLY PLUGGED OR CAPPED AND

OF SUFFICIENT SIZE TO COMPLY WITH MINIMUM STANDARDS OF N.F.P.A.

STRAW BALE SEDIMENT FILTER



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| | REVISIONS | |
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| 1 | CITY COMMENTS | 06/12/06 |
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SHEET NAME: **GENERAL NOTES** & DETAILS

| DATE: | 05/08/06 |
|--------------|----------|
| DRAWN BY: | ВМВ |
| CHECKED BY: | RWM |
| PROJECT NO.: | 0619 |

SHEET NUMBER:

TYP. FIRE LINE ENTRY INTO BUILDING

EXTERIOR CLEANOUT DETAIL

TYP. EXTERIOR WAL

- CAST IRON GRATE W/ INLINE DRAIN ADAPTOR - CAST IRON GRATE W/ INLINE DRAIN ADAPTOR 12"ø PVC -12"ø PVC -6"ø BUILDING STUB-

WATERTIGHT 12"x12" TEE

INLINE DRAIN

- 12"ø PVC 12"x8" PVC TEE COORDINATE STUB LOCATIONS W/ BUILDING PLANS.

SITE GRADING NOTES

INFORMATION SHOWN OUTSIDE OF THE LIMITS OF WORK MAY OR MAY

NOT BE COMPLETE WHEN CONSTRUCTION COMMENCES AND WAS

VALLEY VIEW DATED 02/06/06 BY MILLER-McCOY, INC. IT IS

OBTAINED FROM SITE CONSTRUCTION PLANS FOR THE DISTRICT AT

MAY REQUIRE CESSATION OF OPERATIONS UNTIL SUCH POINTS AND

ARCHITECT MUST APPROVE STAKED ITEMS PRIOR TO CONSTRUCTION.

GRADES HAVE BEEN PLACED TO THE OWNER'S SATISFACTION.

EXCEED 2% SLOPE.

4-3" Ø X 3'-0" PERFORATED-

PVC PIPE (1 EACH SIDE)

OCCURS AS RESULT OF HIS WORK.

ACTUAL INSTALLED QUANTITIES MAY VARY.

12. IN NO CASE SHALL ANY PAVED AREAS BE LESS THAN A SLOPE OF

1.5%. ALL ACCESSIBLE SIDEWALKS AND AISLE SLOPES NOT TO

13. CONTRACTOR SHALL REPAIR OR REPLACE IN-KIND ANY DAMAGE THAT

ALL GRATES IN PARKING AREAS SHALL

SIZE TO SUIT GRATE

& FRAME

(4'-0" SQ.)

-GROUT FILL SLOPE

TO EFFLUENT

SITE GRADING/STORM CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL

CATCH BASINS DURING CONSTRUCTION.

CATCH BASIN

NO. 4 AT 12 " O/C EACH WAY

PAVEMENT-

#4 AT 12" O/C E.W.

EFFLUENT

PIPE

BE NEENAH R-6672-F(24" X 24")

ALL LINEAR FOOTAGE FOR ALL UTILITY PIPES ARE APPROXIMATE,

IN-LINE DRAIN DETAILS

GRATES SHALL BE 12" ADS PEDESTRIAN H-10 OR EQUIVALENT IN SIDEWALK AREAS AND R-4350-D IN LANDSCAPED AREAS

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