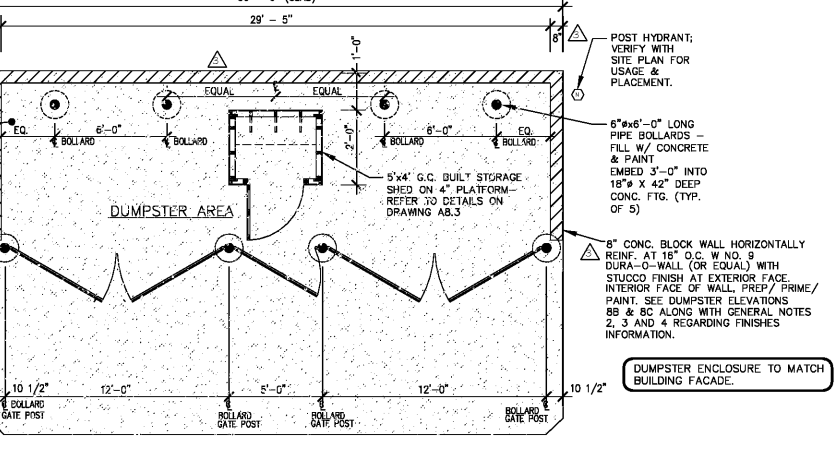
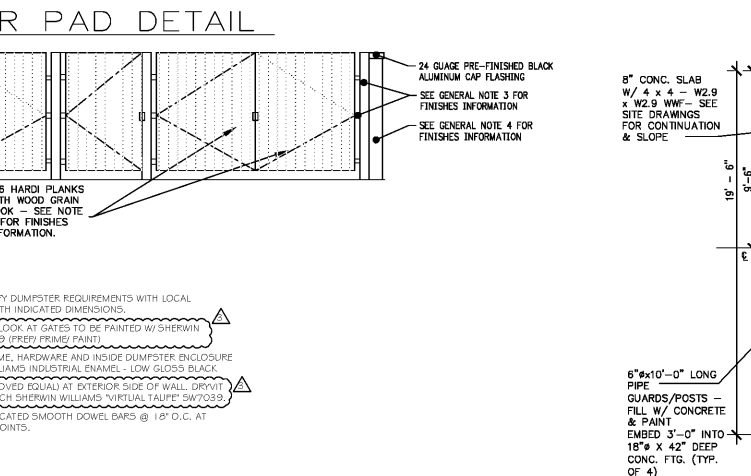
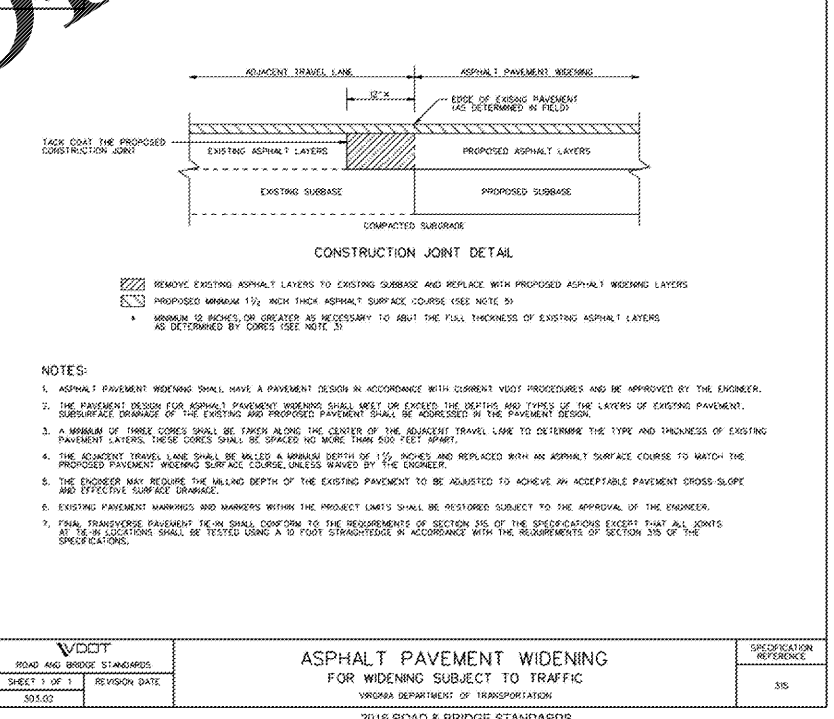
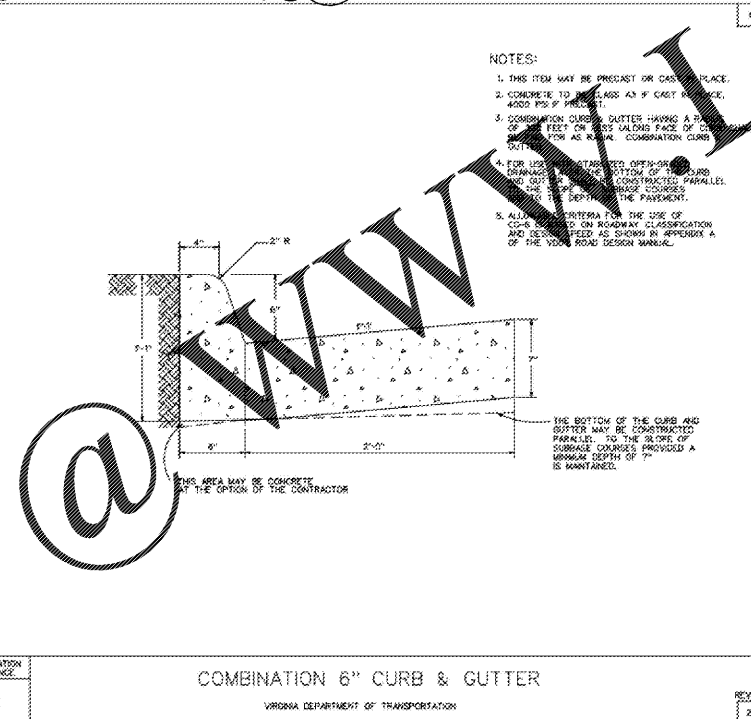
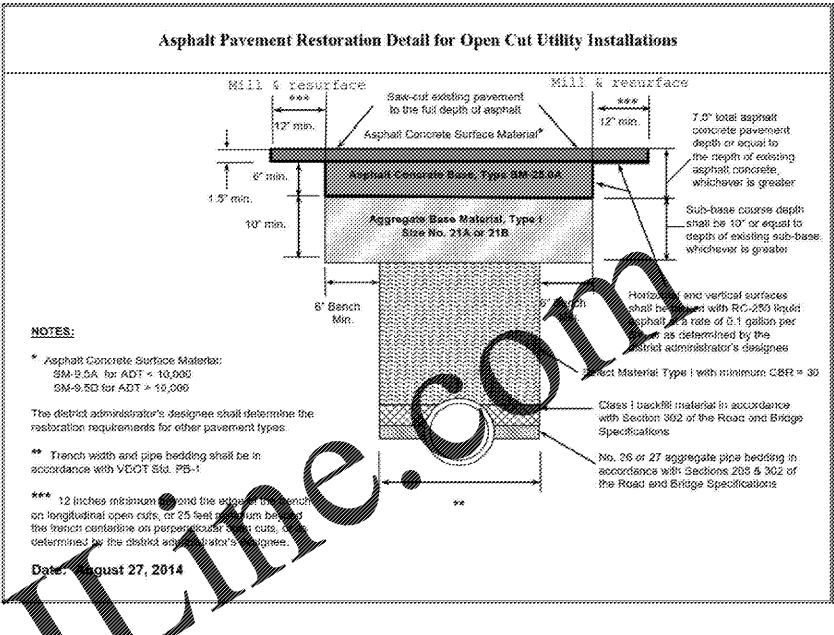
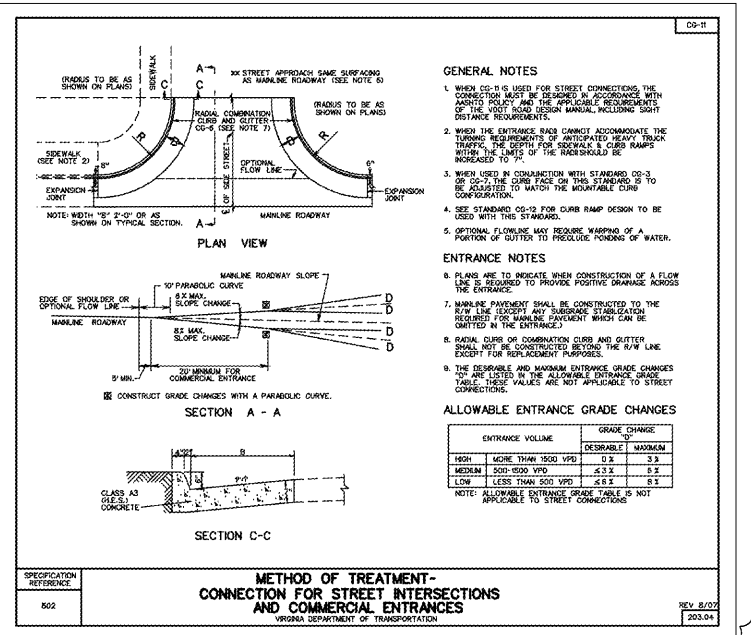


- All materials and construction within the public right of way shall be in accordance with the current edition of the Virginia Department of Transportation's Road and Bridge Specifications, Road and Bridge Standards and Work Area Protection Manual.
- Land Use Permits (LUP) shall be obtained from the Virginia Department of Transportation prior to beginning any construction within the existing state maintained right of way (including access).
- VDOT requires notification 48 hours prior to commencing with initial construction activities. Please contact the Petersburg Permits office at 804-863-4009 for Prince George, Dinwiddie and Nottoway counties and the South Hill Permits office at 434-774-2309 for Mecklenburg, Brunswick and Lunenburg counties.
- Work Zones - The Department shall be notified 48 hours in advance of any anticipated road/shoulder closures. Additionally, the permittee or his or her designee shall input all work zones on interstates and primary highways in LCAMS for approval prior to initiating any work zones. Call 804-796-4492 for additional information on LCAMS. Once approved, the permittee or his or her designee shall contact VDOT's Smart Traffic Center at 804-796-4520 to notify when the work zone is activated and deactivated.
- To locate VDOT utilities on the right of way please see the below contact list. All VDOT locates require a 72-hour notice.
 Traffic Signals = 804-524-6592
 Interstate lighting, sign lighting = 804-524-6116
 ITS (Fiber Optic, traffic cameras, message boards, etc) = 804-796-4520
- Prior to any construction, the contractor shall consult the developer's engineering consultant and verify the approval of the plans by all applicable federal, state and local agencies.
- Preliminary design of the pavement structure for all subdivision streets shall be in accordance with the current edition of *The Pavement Design Guide for Subdivision and Secondary Roads in Virginia*. The completed design worksheet appendix IV shall be included with the initial plan submittal for each proposed pavement section utilizing the predicted soil support value shown in Appendix I of *The Pavement Design Guide*.
- The contractor shall verify the elevations of all points of connection or proposed work to existing curbs, sanitary lines, water lines, etc., prior to construction.
- Upon discovery of soils that are unsuitable for foundations, subgrades, or other roadway construction purposes, the developer or his designee, which may be the contractor, shall immediately engage a geotechnical engineer and notify VDOT. These areas shall be excavated below plan grade as directed by the geotechnical engineer, backfilled with suitable material and compacted in accordance with current VDOT specifications.
- All storm sewer design and construction shall be in accordance with latest VDOT Drainage Manual, Road and Bridge Standards, and ILMs.
- All pre-cast units shall be VDOT approved. Certification and VDOT stamp is required on all units.
- All concrete shall be class A3-AE (air entrained 3,000 PSI).
- All entrances shall be designed and constructed in accordance with current VDOT standards. Residential lot access shall be provided per the following criteria:
 • All driveway entrance culverts shall conform to PE-1 private entrance standards unless otherwise approved by VDOT. No entrance culverts are to be installed within five (5) feet of a property corner.
 • VDOT standard CG-9D entrances shall be used when an entrance is required in curb and gutter neighborhoods.
- The developer shall furnish and install stop signs at street intersections and all regulatory signage per the Manual of Uniform Traffic Control Devices.
- Design changes, specified materials changes and field changes from the approved plans shall be re-submitted to VDOT for approval prior to proceeding with the work. A letter of explanation shall accompany the proposed revision along with drainage calculations when appropriate.
- Contractor shall verify location and elevation of all underground utilities shown on plans in areas of construction prior to starting work. Contact the developer's engineering consultant immediately if location or elevation is different from that shown on plan. If there appears to be a conflict, or upon discovery of any utility not shown on this plan, call Miss Utility at 811. The developer shall be responsible for the relocation of any utility within existing and proposed right of way required by the development.
- All streetlights shall be located a minimum of 9.5' from the edge of pavement on curb and gutter streets or located a minimum of 5.5' behind the ditch centerline on open ditch streets.
- All roadside ditches shown as paved on plans are to be paved in accordance with the standard typical section as shown on the plans. Any additional paving of the ditches, other than those shown on the road plans will be determined prior to acceptance of the roads into the VDOT secondary road system.
- VDOT approval of construction plans does not preclude the right to require additional facilities as deemed necessary for acceptance of the roads into the VDOT Secondary Road System based on field conditions or unapproved plan changes.
- VDOT approval of these plans will expire five (5) years from the date of approval for site plans and subdivision plans if construction has not started.
- VDOT shall have performed the required field inspection (proof roll) prior to placement of the aggregate base course(s). Contact VDOT for subgrade inspection 48 hours prior to scheduling placement of aggregate base course(s).
- The scheduling of aggregate base installation and subsequent paving activities shall accommodate forecasted weather conditions per Section 315 of *The Road and Bridge Specifications*.
- VDOT shall have approved the aggregate base course(s) for depth, template and performed the required field inspection (proof roll) prior to placement of any asphalt concrete surface course(s). Contact VDOT for inspection of the aggregate base course(s) 48 hours prior to application of the surface course(s).
- A copy of the complete CBR report shall be submitted to VDOT in conjunction with final pavement designs. All pavement design recommendations shall be performed in accordance with the current edition of *Pavement Design Guide for Subdivision and Secondary Roads in Virginia*.
- A licensed geotechnical engineer or his designee shall ascertain cause and certify recommended method of repair for all pavement structural failures prior to state acceptance.
- All vegetation and organic material shall be removed from the right of way limits prior to conditioning of the subgrade.
- Dry gutter is not allowed in VDOT right of way except as shown on VDOT's entrance standard details.
- The developer shall be responsible for the design costs of any traffic signal installation or modification of existing signals under an account receivable with VDOT. Actual construction shall be performed by a VDOT approved contractor and VDOT inspection costs shall be paid for by the developer under the same accounts receivable.
- The necessity and locations for additional VDOT standard underdrains shall be determined at time of subgrade inspection. Video inspection of accessible outlet locations, mainline longitudinal connections, and longitudinal pipe for all pavement underdrains/edgelines and prefabricated geotextile site panel drains shall be conducted in accordance with Section 501 of the *Road and Bridge Specifications* and Virginia Test Method 10B.
- Approval of a detailed construction sequencing and maintenance of traffic plan for the work zone is a prerequisite for issuance of a Land Use Permit. The plan shall accommodate access to any construction within VDOT maintained right-of-way.
- VDOT shall be provided documentation by a licensed geotechnical engineer certifying that all in-place pavements meet or exceed the approved pavement design thickness prior to state acceptance of the street. Cores are to be obtained verifying thickness of units, including existing pavement, by VDOT. The Permits Inspector shall be contacted 24 hours prior to the core sampling taking.
- Soil stabilization is required on all areas where clearing, grading, excavation or other land disturbing activities have permanently ceased or where land disturbance activities have been temporarily suspended for an anticipated duration of greater than 14 days, or upon completion of grading operations for a specified area. Soil stabilization shall be completed as soon as practicable, but not later than the next business day following the day when land disturbing activities temporarily or permanently ceased.
- No structure shall be constructed on state-maintained rights of way, or on right of ways intended to be maintained by VDOT unless said structure is shown on road construction plans approved by VDOT or such structures are covered by a VDOT Land Use Permit (or by a letter of intent from the Resident Engineer to issue said permit at the time of state acceptance).
- A construction entrance shall be installed on each individual lot prior to any lot grading or home construction activities and shall be adequately maintained until all construction traffic areas within the lot have been stabilized.
- Road & Bridge Specifications Section 302, Drainage Structures addresses post installation visual/video camera inspection of storm sewer pipes and pipe culverts. Inspection frequency shall be in accordance with the specifications and/or as necessitated by the Engineer. Virginia Test Method - 123 is to be used to conduct inspections of storm sewer pipes and pipe culverts.



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BN

HARDEES at PRINCE GEORGE COUNTY, VA.

COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
 J. MICHAEL STOCKS Lic. No. 033308
 8/19/19

VDOT NOTES AND DETAILS

| REVISIONS |
|------------------------------|
| 12/8/19 PRINCE GEORGE REVIEW |
| 2/14/20 PRINCE GEORGE REVIEW |

FILE NO. 2017-013
 HORZ. SCALE: 1"=20'
 VERT. SCALE: NONE

D-03