

*Appendix J General Notes for
Construction Plans*

*Construction/Entrance Plans
GENERAL NOTES*

*(*Last revised May 21, 2014)*

The following notes shall appear on all Construction Plans:

1. All entrances shall conform to the Delaware Department of Transportation's (DelDOT's) current Standards and Regulations for Subdivision Streets and State Highway Access and shall be subject to its approval.
2. All materials and workmanship within the State of Delaware right-of-way shall be in accordance with current State of Delaware Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications, Standard Construction Details, Special Provisions and Design Guidance Memorandums.
3. All disturbed areas within the State right-of-way, but not in the pavement, shall be top-soiled (6" minimum), fertilized, seeded and mulched. If sod is used next to sidewalk or shared-use path, contractor shall grade topsoil adjacent to the sidewalk or shared-use path prior to placement of sod to ensure that sod is placed flush or just below edge of sidewalk or shared-use path to avoid water ponding on the sidewalk or shared-use path.
4. A 72-hour (minimum) notice shall be given to the DelDOT district permit supervisor prior to starting entrance construction.
5. Miss Utility of Delaware shall be notified three (3) consecutive working days prior to excavation, at 1-800-282-8555.
6. All signing, striping and maintenance of traffic is the contractor's responsibility and shall follow the guidelines shown in the Delaware Manual on Uniform Traffic Control Devices (DE MUTCD) for Streets and Highways (latest edition). The owner or maintenance corporation shall be responsible for maintenance of all signs installed as part of this project.
7. Plan location and dimensions shall be strictly adhered to unless otherwise directed by the DelDOT Inspector.

8. A copy of the up to date approved construction documents and DelDOT approval letters shall be maintained on the project site at all times and be available for inspection by DelDOT personnel.
9. Existing utilities are shown in accordance with the best available information. Completeness or correctness thereof is not guaranteed. It shall be the contractor's responsibility to contact the utility companies involved in order to secure the most accurate information available as to utility location and elevation. No construction around or adjacent to utilities shall begin without notifying their owners at least 48-hours in advance. The contractor shall take the necessary precautions to protect the existing utilities and maintain uninterrupted service and any damage done to them due to his/her negligence shall be immediately and completely repaired at the contractor's expense. To locate existing utilities in the field prior to construction, the contractor shall contact Miss Utility of Delaware (See Note #5).
10. Should utility relocation be required, the developer must submit a utility relocation plan for DelDOT review, along with correspondence from the utility companies stating preliminary approval to the relocation and design of the utilities prior to the DelDOT pre-construction meeting. No physical construction can occur until the utility plans are approved, the individual utility companies issue final approval, and a DelDOT utility permit is issued to the utility company.
11. Upon completion of the construction of the sidewalk or shared-use path across this project's frontage and physical connection to adjacent existing facilities, the developer, the property owners or both associated with this project, shall be responsible to remove any existing road tie-in connections located along adjacent properties, and restore the area to grass. These disturbed areas shall be top-soiled (6" minimum), fertilized, seeded and mulched. Such actions shall be completed at DelDOT's discretion, and in conformance with DelDOT's "Shared-Use Path and/or Sidewalk Termination Policy".
12. DelDOT will not provide the respective local land use agency with a 'no objection to the issuance of the Certificate of Occupancy notice' until the entrance(s) are completed to the satisfaction of the Department.

Place the following notes on the Construction Plan IF they apply to your project:

13. Design, fabrication and installation of all permanent signing shall be as outlined in the latest version of the DE MUTCD.
14. Design and installation of all pavement markings and striping shall be as outlined in the latest version of the DE MUTCD. For final permanent pavement markings:
 - a) Epoxy resin paint shall be required for long line striping.
 - b) Thermo plastic (extruded or preformed material) will be required on Asphalt surfaces, for short line striping, i.e. symbols/legends.
 - c) Permanent pavement marking tape (per DelDOT approved materials list) will be required on Concrete surfaces, for short line striping, i.e. symbols/legends.
15. Removal of long line pavement striping shall be performed using: Shot, Sand or Hydro-Blasting
16. Breakaway posts shall be used when installing all signs. Reference DelDOT Standard Construction Detail T-15.
17. Include all that apply:

- a) No entrance and/or roadway construction along Route XX shall occur between May 15th and September 15th.
- b) Time of day, day of week or weekend work restrictions

18. Contractor shall supply message boards that are to be placed ten (10) days prior to construction along Route XXX. The proper wording on the message board will need to be coordinated with the District Safety Officer.

19. This entrance is considered temporary and at such time that the service road is constructed this entrance will be removed, top-soiled, seeded, mulched and re-graded to assure positive drainage.

20. *Choose one of the following:*

- a. Maintenance of the streets within this subdivision will be the responsibility of the developer, the property owners within this subdivision, or both. The State of Delaware assumes no responsibility for the future maintenance of these streets.
- b. Subdivision streets constructed within the limits of the right-of-way dedicated to public use shown on this plan are to be maintained by the State of Delaware following the completion of the streets by the developer to the satisfaction of the State. The State accepts no maintenance responsibility within the dedicated street Right-Of-Way until the streets have been accepted by the State.

21. *Choose all that apply:*

- a. The ends of all curbs shall be transitioned to be flush with the pavement at a ratio of twelve to one (12:1).
- b. All approach and exit ends of median island and curb shall also be transitioned flush with the pavement at a ratio of twelve to one (12:1).
- c. Triangular (pork chop) island curb shall have all corners transitioned flush with pavement at a slope of four to one (4:1).
- d. Where curb type and/or height is being varied, taper curb per DelDOT Inspector (Typical for both sides of the entrance).

22. A double yellow centerline will be required along the paved portion of Route X. Striping of the centerline shall be 5-inch wide line separated by a 6-inch space.

23. Maintenance of all landscaping shown on this plan will be the responsibility of the Developer, the Homeowners Association or both. The State assumes no responsibility for the future maintenance of the landscaping. DelDOT must review and approve any plantings proposed within the right of way prior to installation. If any plantings are planted without DelDOT's knowledge and/or approval, then DelDOT has the right to have the Developer remove the plantings, with all costs being paid for by the Developer.

24. Verify if any utilities will need to be relocated due to the addition of the shoulder. For clear zone purposes, all utilities are to be a minimum of 10-feet from the edge of travel lane or 5-feet from the edge of pavement. Any utility that does not meet this requirement shall be relocated.

25. It is the contractor's responsibility to insure that paving within the State of Delaware right-of-way is installed to the elevations shown and that no ponding of water exists after paving is complete.

26. All storm drain piping designated as RCP is to be reinforced concrete pipe, meeting AASHTO M-170 specifications. See plans for specific class of pipe.
27. All proposed closed stormdrain systems shall be video inspected, repaired as necessary and approved prior to the installation of final paving. If repairs are needed, the repaired pipe sections will need to be video inspected again before the repair can be approved.
28. Driveways will not be permitted to be placed at drainage inlet locations.
29. Warm Mix Asphalt (WMA) shall be placed in accordance with DelDOT Special Provision(s) ~~4018XX~~ & ~~4018XX~~ – WMA Superpave.
30. Corrugated Polyethylene Pipe shall be installed in accordance with DelDOT Special Provision(s) ~~6125XX~~ & ~~6125XX~~.
31. The developer and existing/future owner of non-state-maintained roadways shall ensure that the traffic control devices on said roadways open to public travel are in compliance with the latest version of the Delaware MUTCD.

Record/Site Plans
GENERAL NOTES

(*Last revised May 21, 2014)

The following notes shall appear on all Record/Site Plans:

1. All entrances shall conform to the Delaware Department of Transportation's (DelDOT's) current Standards and Regulations for Subdivision Streets and State Highway Access and shall be subject to its approval.
2. Shrubbery, plantings, signs and/or other visual barriers that could obstruct the sight distance of a driver preparing to enter the roadway are prohibited within the defined departure sight triangle area established on this plan. If the established departure sight triangle area is outside the right-of-way or projects onto an adjacent property owner's land, a sight easement should be established and recorded with all affected property owners to maintain the required sight distance.
3. Upon completion of the construction of the sidewalk or shared-use path across this project's frontage and physical connection to adjacent existing facilities, the developer, the property owners or both associated with this project, shall be responsible to remove any existing road tie-in connections located along adjacent properties, and restore the area to grass. Such actions shall be completed at DelDOT's discretion, and in conformance with DelDOT's "Shared-Use Path and/or Sidewalk Termination Policy".

Place the following notes on the Record/Site Plan IF they apply to your project:

4. Subdivision streets constructed within the limits of the right-of-way dedicated to the public use shown on this plan are to be maintained by the State of Delaware following the completion of the streets by the developer to the satisfaction of the State. The State assumes no maintenance responsibilities within the dedicated street right-of-way until the streets have been accepted by the State.
5. The Department will not accept any of the streets into the State of Delaware maintenance system until 75% of the homes are completely constructed for this development. It will be the responsibility of the owner/developer to notify DelDOT when 75% or **XX** homes have been completely constructed with certificates of occupancy issued by the County.
6. The final overlay of Warm Mix Asphalt (WMA) - Type C for all streets within the development will not be permitted until 75% or **XX** homes are completely constructed. If final overlay is conducted without DelDOT's knowledge and/or approval, then DelDOT has the right to have the owner/developer mill and overlay, with all costs being paid for by the developer.
7. *Choose one of the following:*
 - a. Subdivision streets constructed within the limits of the right-of-way are private as shown on this plan and are to be maintained by the Developer, property owners or both. The State of Delaware assumes no maintenance responsibilities for the future maintenance of these streets.
 - b. Subdivision streets constructed within the limits of the right-of-way dedicated to public use shown on this plan are to be maintained by DelDOT following the acceptance of the streets. The State of Delaware assumes no maintenance responsibilities within the dedicated street right-of-way until the streets have been accepted by DelDOT.
8. *Choose one of the following:*
 - a. The sidewalk shall be the responsibility of the developer, the property owners or both within this subdivision. The State of Delaware assumes no responsibility for the future maintenance for the sidewalk.

- b. The shared-use path shall be the responsibility of the developer, the property owners or both within this subdivision. The State of Delaware assumes no responsibility for the future maintenance of the shared-use path.
- c. The sidewalk and shared-use path shall be the responsibility of the developer, the property owners or both within this subdivision. The State of Delaware assumes no responsibility for the future maintenance of the sidewalk and/or shared-use path.

9. All lots shall have access from the internal subdivision street. Each lot will be permitted to have only one access point to serve the entire parcel. Horseshoe driveways will not be permitted. Driveways will not be permitted to be placed at catch basin locations.
10. To minimize rutting and erosion of the roadside due to on-street parking, driveway and building layouts must be configured to allow for vehicles to be stored in the driveway beyond the right-of-way, without interfering with sidewalk access and clearance.
11. The developer shall be required to furnish and place right-of-way monuments on the dedicated subdivision street right(s)-of-way in accordance with DelDOT's *Standards and Regulations for Subdivision Streets and State Highway Access*, and the requirements of the land use agency.
12. *Choose one of the following, if they apply to your project:*
- a. A perpetual cross access ingress/egress easement is hereby established as shown on this plat.
 - b. A perpetual cross access ingress/egress easement is hereby established by this plat. The exact location of said easement is to be determined by DelDOT at a later date.
13. Ensure that any labels or plan references for reservations or dedications for Right-of-Way match the applicable language below:
- a. If the existing right-of-way does not meet the minimum standards shown in (Figure 3-3 & 3-4) provide the following language on the plans; "A X-foot wide strip is hereby reserved for the State of Delaware as per this plat, for future right-of-way needs."
 - b. If right-of-way for the State-maintained roadway was acquired in fee provide the following language on the plans; "An additional X-foot wide strip of right-of-way is hereby dedicated to the State of Delaware as per this plat."
 - c. If right-of-way for the State-maintained roadway was not acquired in fee (but currently exists in easement form) provide the following language on the plans; "A X-foot wide strip of right-of-way from centerline is hereby dedicated to the State of Delaware as per this plat."

Maintenance of Traffic
TEMPORARY TRAFFIC CONTROL NOTES (*Last revised October 23, 2013)

The following notes shall appear on Maintenance of Traffic (MOT)/Temporary Traffic Control (TTCP) Plans:

1. All work shall be performed in a manner that will reasonably provide the least practicable obstruction to road users, including vehicular traffic, bicycle traffic and pedestrian traffic.
2. All temporary traffic control and temporary traffic control devices shall be in accordance with: the contract documents, the latest edition of the manual titled “State of Delaware Manual on Uniform Traffic Control Devices (MUTCD)” (hereinafter referred to as the “Delaware MUTCD”), current State of Delaware Department of Transportation Standard Specifications for Road and Bridge Construction, and Supplemental Specifications, including all revisions as of the date of the entrance permit approval.
3. The Department reserves the right to stop the Contractor’s operations, if, in the opinion of the Department’s Representative, the Contractor’s operations are not in compliance with the Delaware MUTCD, the specifications or the plans or if the Contractor’s operations are deemed unsafe.
4. If the Contractor desires to deviate from the Temporary Traffic Control Plan (TTCP) provided in the plan set or desires changes to the phasing or scope of the TTCP, the Contractor shall submit a new TTCP to the District Safety Officer for approval prior to the start of work at each and every location. The TTCP shall be prepared, signed and sealed by a Professional Engineer registered in the State of Delaware and shall be prepared in accordance with all applicable DelDOT standards. The TTCP shall be submitted 14 calendar days in advance of starting work.
5. All roadway closures or lane closures beyond those specified and approved in the Plans shall be approved by the District Safety Officer a minimum of two weeks in advance of the proposed restriction.
6. Temporary traffic control devices shall be maintained in good condition in accordance with the brochure entitled “Quality Guidelines for Temporary Traffic Control Devices”, published by the American Traffic Safety Services Association (ATSSA). Any temporary traffic control devices that do not meet the quality guidelines shall be removed and replaced with acceptable devices. Failure to comply will result in work stoppage.
7. Temporary traffic control devices used on all roadways open to the public in Delaware shall conform to the Delaware MUTCD and shall be in new or refurbished condition. All devices shall be crashworthy in accordance with the National Cooperative Highway Research Program (NCHRP) Report 350 and/or in accordance with the latest edition of the Manual for Assessing Safety Hardware (MASH), published by the American Association of State Highway and Transportation Officials (AASHTO). The Contractor shall submit certification for all temporary traffic control devices used specifically on this project to the District Safety Officer at or prior to the pre-construction meeting. The Contractor shall not begin work or place any temporary traffic control devices until the certification of devices has been approved by the District Safety Officer.
8. Any deficiencies related to temporary traffic control that are reported to the Contractor in writing shall be corrected within 24 hours or as directed by the District Safety Officer. Corrective actions on

severe deficiencies shall be taken immediately. Failure to comply will result in the suspension of work until devices are brought back into compliance.

9. Access to all businesses and residences within the Project limits shall be maintained throughout the duration of this Contract. Any temporary closure of a driveway or entrance for tie-in purposes shall be coordinated with the Engineer and the property owner in advance of the closure.

10. Access to all transit stops located within the project limits shall be maintained unless otherwise directed by the Plans or the Engineer. Maintaining access to the transit stop shall include maintaining an area of the transit vehicle to stop to pick-up and discharge passengers and also an accessible path for pedestrians to safely access the transit stop.

11. The Contractor shall provide all property owners and residents who live adjacent to the work zone with written notice, 48 hours in advance of the start of construction work. This notification shall include the scope of work, working hours, anticipated start and completion dates; a summary of construction activities which may interfere with access to the property including a schedule and access coordination plan, Contractor's name and address and a DelDOT contact phone number. Failure to give proper notice will result in a suspension of the work requiring notice, until proper notice is provided. The Contractor shall provide written verification to the Engineer that the property owners and residents were notified.

12. The Contractor shall be responsible for notifying the local 911 center, local schools and the DelDOT Public Information Center of all roads and lanes to be closed a minimum of seven calendar days before the closure.

13. The Contractor shall notify the local 911 center if access to a fire hydrant is temporarily restricted.

14. The Contractor shall be responsible for ensuring that the Transportation Management Center is notified each and every day when work is being performed in State right-of-way. The Contractor shall identify the type of work, any lane(s) or shoulders closed, the length of time for work, when the lane restrictions are in place and when lane restrictions are lifted, contact person/phone number and State Inspector. The Transportation Management Center can be reached at (302) 659-4600.

15. At the end of each workday, the Contractor shall correct all vertical differences in accordance with Table 6G-1 of the Delaware MUTCD.

16. At the end of each day's operation and before traffic is returned to unrestricted roadway use, temporary pavement markings shall be applied in accordance with the Delaware MUTCD and DelDOT's Temporary Pavement Markings Policy.

17. When side roads intersect the work zone, additional traffic control devices shall be erected including permanent warning signs.

18. All storage of equipment and material shall comply with section 6G.21 of the Delaware MUTCD.

19. All Flaggers shall comply with Chapter 6E of the Delaware MUTCD.

20. The Contractor shall be responsible for coordinating his/her work with other contractors in the area.

21. All persons working within the State right-of-way shall wear a minimum of an ANSI Class II safety vest meeting or exceeding the ANSI 107-2004 requirements, as specified in the Delaware MUTCD.
22. All pavement markings that are no longer in use and conflict with temporary pavement markings shall be removed and completely obliterated by a method approved by the Engineer. Painting over the conflicting pavement markings will not be accepted as a method of removal.
23. The Contractor is responsible for the maintenance of existing pavement within the project limits for the duration of the contract or as directed by the Engineer.
24. All roadways and entrances not open to traffic shall be closed using Type III barricades and shall be installed per the Delaware MUTCD. If the roadway or entrance is closed for more than one month, the Contractor shall erect permanent barricades as directed in Part 3 of the Delaware MUTCD.
25. Within the mainline work area, permanent advance warning signs with the legends ROAD WORK 1500 FT, ROAD WORK 1000 FT and ROAD WORK 500 FT shall be installed in advance of the work area in both directions. An END ROAD WORK sign shall be located 500 feet downstream from the work area. On intersecting roadways within the project limits, a ROAD WORK AHEAD sign shall be placed at a distance not less than 500 feet in advance of the work area and an END ROAD WORK sign shall be located 500 feet downstream of the work area. All permanent advance warning signs shall be ground mounted on two NCHRP-350 or MASH approved breakaway posts and shall be mounted in compliance with the Delaware MUTCD. Permanent advance warning signs shall be mounted at a height of 7 feet, measured from the roadway to the bottom of the sign. The use of skid mounted sign supports is not allowed unless the Contractor can demonstrate that a utility conflict exists, which shall be verified by the Engineer; or concrete medians prevent the installation of the permanent advance warning signs in the appropriate location.
26. Typical Applications per the Delaware MUTCD shall be incorporated to achieve required temporary traffic control and safety requirements. This project is subject to the following Typical Applications unless directed otherwise by the DelDOT District Safety Officer: **Typical Application XX: “Work on XXXX (TA-XX)”, etc.**