

Pineville Land Development Standards Manual

Town of Pineville Land Development

Revision 6 – February 28, 2022

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Pineville Land Development Standard (PLDS) Details:

1000 Series - Miscellaneous Infrastructure Standards

<u>Standard</u>	<u>Description</u>
10.01	Major Collector Street
10.02	Minor Collector Street
10.03	Industrial Street
10.04	Industrial Street (Ditch type)
10.04A	Industrial Local Street (No Parking)
10.04B	Industrial Local Street Parking on One Side of Street
10.04C	Industrial Local Street Parking on Both Sides of Street
10.04D	Industrial Collector Street (No Parking)
10.04E	Industrial Collector Street with Median and No Parking
10.05	Commercial Street (Special Use Conditions)
10.05A	Retail/Mixed Use Local Street with Median and Parking
10.05B	Retail/Mixed Use Local Street Parking and Green Zone Both Sides
10.05C	Retail/Mixed Use Collector Street with Bike Lanes
10.05D	Retail/Mixed Use Collector Street with Median and Bike Lanes
10.05E	Retail/Mixed Use Local Street (No Parking)
10.05F	Retail/Mixed Use Local Street Parking on Both Sides of Street
10.06	Local Residential Street
10.06A	Local Residential Street Parking on One Side of Street
10.06B	Local Residential Street Parking on Both Sides of Street
10.06C	Local Residential Street (Ditch Type)
10.06D	Local Limited Residential Street
10.07	Residential Collector Street
10.07A	Residential Collector Street (On street parking)
10.10A	Residential Collector Street With Bike Lanes
10.10B	Residential Divided Collector Street
10.10C	Residential Divided Collector Street With Left Turn Lane
10.10D	Residential Collector Street (Ditch Type)
10.10E	Residential Divided Collector Street Ditch Type with Median Ditch
10.11A	Residential Alley Detail One-Way Operation (Private)
10.11B	Residential Alley Detail Double Loaded with Two-Way Operation (Private)
10.11C	Residential Alley Detail Single Loaded with Two-Way Operation (Private)
10.11D	Standard Alley – 20' Public Right-of-Way
10.13	Commercial Cul-De-Sac
10.14	Residential Cul-De-Sac
10.17A	Standard Curb and Gutter
10.17B	Curb and Gutter
10.18	18" Vertical Curb
10.19	Curb Transition 2'-6" Curb and Gutter to 2'-0" Valley Gutter
10.20	Curb Transition 2'-6" Curb & Gutter to 1'-6" Curb and Gutter

10.22	Concrete Sidewalks
10.23	Monolithic Concrete Curb and Sidewalk
10.24A	Commercial Type II and Residential Type I Drop Curb Driveway with Sidewalk Abutting Curb (2'-6" Curb and Gutter)
10.24B	Commercial Type II and Residential Type I Drop Curb Driveway with Sidewalk Abutting Curb (6"x18" Vertical Curb)
10.24C	Commercial and Residential Drop Curb Driveway with Sidewalk Abutting Curb
10.25A	Residential Drop Curb Type I Driveway with Planting Strip (2'-6" Curb and Gutter)
10.25A1	Drop Curb Driveway without Planting Strip
10.25B	Commercial Drop Curb Type II Driveway with Planting Strip (2'-6" Curb and Gutter)
10.25C	Residential Drop Curb Type I Driveway with Planting Strip (6"x18" Vertical Curb)
10.25D	Commercial Drops Curb Type II Driveway with Planting Strip (6"x18" Vertical Curb)
10.25E	Type II Modified Driveway with Planting Strip (2' 6" Curb & Gutter)
10.25E1	Modified Driveway without Planting Strip
10.25F	Commercial Type IV Driveway
10.26	Drop Curb Driveway – Monolithic Concrete Curb and Sidewalk
10.27A	Residential Driveway (Type I) For 2' 0" Valley Gutter
10.27B	Commercial Type II Driveway for 2'-0" Valley Gutter
10.28	Type III Driveway Entrance
10.29	Catch Basin Frame in Valley Gutter
10.30	Catch Basin Placement at Intersections
10.31A	Accessible Ramp Standard with Planting Strip (2'-6" Curb and Gutter)
10.31B	Accessible Ramp Sections with Planting Strip (2'-6" Curb and Gutter)
10.32A	Accessible Ramp Standard without Planting Strip (2'-6" Curb and Gutter)
10.32B	Accessible Ramp Sections without Planting Strip (2'-6" Curb and Gutter)
10.33A	Accessible Ramp Standard (2'-0" Valley Gutter)
10.33B	Accessible Ramp Sections (2'-0" Valley Gutter)
10.34A	Accessible Ramp Standard Monolithic Curb and Sidewalk
10.34B	Accessible Ramp Sections Monolithic Curb and Sidewalk
10.35A	Standard Placement of Accessible Ramps and General Notes
10.35B	Truncated Domes Plan and Cross-Section
10.36A	Culvert Crossings on Residential and Commercial Streets
10.36B	Culvert Crossings on Residential and Commercial Streets
10.37	Typical Residential Street Taper
10.40A	Directional Accessible Ramp with Small/Medium Curb Radius
10.40B	Directional Accessible Ramp with Large Curb Radius
10.40C	Directional Curb Ramp with Valley Gutter
10.41A	Heavy Industrial Driveway without Planting Strip (2'-6" Curb and Gutter)
10.41B	Heavy Industrial Driveway with Planting Strip (2'-6" Curb and Gutter)
10.50	Temporary Turnaround Local Residential Street (Optional)
10.51	Residential Alley Hammerheads and Intersections

2000 Series - Storm Drain Standards

<u>Standard</u>	<u>Description</u>
20.00A,B,C	NCDOT Standards Approved For Use in the Town of Pineville
20.03	Double Brick Catch Basin 15" 36" Pipe
20.05A	Slab Type Catch Basin 15" Thru 48" Pipe
20.05B	Manhole Ring and Cover for Slab Type Catch Basin
20.17A	Concrete Wingwall with Splash Pad
20.17B	Concrete Wingwall with Splash Pad Notes
20.22	Flared End Section 12" To 72"
20.23	Rip Rap Aprons at Outfalls
20.24	Rip Rap Plunge Pool
20.25	Trench Detail for Storm Drain
20.26	Concrete Paved Ditches
20.27	Rip Rap Ditches
20.28	Subdrain Detail
20.29	Overlapping Sewer and Storm Easements
20.30	Minimum Storm Easements Pipe and Channel
20.34	Offset Catch Basin
20.35	Grading At Drop Inlet

2100 Series – Stormwater BMP Standards

<u>Standard</u>	<u>Description</u>
21.00	Bioretention Plan (BMP Fig. 4.1.2)
21.01	Bioretention Cross-Section (BMP Fig. 4.1.3)
21.02	Bioretention Planting Plan (BMP Fig. 4.1.4)
21.04	Flow Splitter Structure (BMP Fig. 4.1.11)
21.05	Wetpond Plan (BMP Fig. 4.2.2)
21.06	Wetpond Profile (BMP Fig. 4.2.2)
21.07	Wetpond Cross Sections (BMP Fig. 4.2.3)
21.08	Wetpond Littoral Shelf and Berm Detail (BMP Fig. 4.2.4)
21.09	Wetpond Planting Plan (BMP Fig. 4.2.5)
21.10	Wetland Plan (BMP Fig. 4.3.2)
21.11	Wetland Section (BMP 4.3.2)
21.12	Wetland Cross Sections (BMP 4.3.3)
21.14	Wetland Planting Plan (BMP Fig. 4.3.4)
21.15	Enhanced Grass Swale Planting Plan (BMP Fig. 4.4.3)
21.16	Enhanced Grass Swale Details (BMP Fig. 4.4.2)
21.17	Grass Channel (BMP Fig. 4.5.2)
21.18	Grass Channel Planting Plan (BMP Fig. 4.5.3)
21.19	Infiltration Trench (BMP Fig. 4.6.2)
21.20	Observation Well (BMP Fig. 4.6.3)
21.21	Buffer Strip (BMP Fig. 4.7.3)
21.22	Buffer Strip Planting Plan (BMP Fig. 4.7.4)
21.23	Underground Sand Filter
21.24	Surface Sand Filter
21.25	Surface Sand Filter Section

3000 Series - Erosion Control Standards

<u>Standard</u>	<u>Description</u>
30.00	Special Erosion Control Requirements & Notes
30.01	Temporary Sediment Trap
30.02A	Skimmer Sediment Basin
30.02B	Skimmer
30.03A	Sediment Basin
30.03B	General Notes – Sediment Basins
30.04	Flexible Pipe Slope Drain
30.05	Temporary Silt Ditch
30.06A	Temporary Silt Fence
30.06B	High Hazard Temporary Silt Fence
30.06C	Silt Fence Outlet Option 1
30.06D	Silt Fence Outlet Option 2
30.07	Block and Gravel Stone Inlet Protection
30.08	Stone Inlet Protection
30.09	Hardware Cloth and Gravel Inlet Protection
30.10A	Temporary Rock Check Dam
30.10B	Temporary Rock Check Dam with Matting and Optional PAM
30.10C	Temporary Waffle with Matting and Optional PAM
30.11A	Stabilized Construction Entrance
30.11B	Construction Entrance Tire Wash
30.12	Gravel and Rip Rap Filter Berm Basin
30.13	Erosion Control Dewatering
30.14	Temporary Stream Crossing
30.15	Catch Basin Inlet Protection
30.16	Slope Stability
30.17	Temporary Seeding Schedule
30.17A	Seeding Schedule
30.17B	Seeding Schedule (Seasonal)
30.18	Construction within Creek Bank
30.19	Baffle Installation
30.20	Embankment Matting Detail
30.21	Brick Storm Structure with Temporary Pipe

4000 Series - Tree Standards

<u>Standard</u>	<u>Description</u>
40.01	Tree Planting Detail (For Single & Multi-Stem Trees)
40.02	Tree Protection Detail
40.03	Large and Small Maturing Tree Pit with Grate in Sidewalk (Plan)
40.03A	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section A)
40.03B	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section B)
40.03C	Large and Small Maturing Tree Pit with Grate in Sidewalk (Section C)
40.04	Typical Valve and Valve Box Installation
40.05A	Shrub Planting Bed
40.05B	Individual Small Shrub / Tree Planting
40.08A	Median Greater than 120 Inches Excavation, Drainage and Backfill
40.08B	Median 73 to 120 Inch Excavation, Drainage and Backfill
40.08C	Median 48 to 72 Inch Excavation, Drainage and Backfill
40.09	Root Flare Depths (Tree Root Ball Condition on Trees from Suppliers)
40.10	Tree Planting Notes (Drainage and Inspection)
40.11	Bridging Tree Roots
40.12	Temporary Tree Protection Detail
40.13	Asphalt Curb Placement at Existing Trees
40.14	Rock Chimney

5000 Series - Miscellaneous Standards

<u>Standard</u>	<u>Description</u>
50.03	Typical Concrete Control Monument
50.04A	Safety Rail
50.04B	Safety Rail Warrants
50.05A	Street Name Sign (NCDOT Maintained Streets)
50.05B	Street Name Sign (NCDOT Maintained Streets)
50.05C	Decorative Street Name Sign and Post
50.05D	Decorative Street Name Sign and Post Notes
50.05DE	Decorative Street Sign and Post
50.06	Street Name Sign Installation Locations
50.07A	Dead End Street Barricade
50.07B	Dead End Street Barricade General Notes
50.08A	End of Roadway Marker
50.08B	End of Roadway Marker Guard Rail Clamp Installation
50.09A	Parking Standards
50.09B	Parking Standards (Continued)
50.10A	Accessible Parking and Signage Standards
50.10B	Supplemental Van Accessible Sign (R7-8P)
50.11	Signage and Pavement Markings at Roundabouts
50.13	Directional Crossover with Raised Medians
50.14	Piano Style Crosswalk
50.15	Raised Crosswalk
50.16	Speed Bump
50.17	Speed Table
50.20	Inverted "U" Rack Bicycle Parking
50.21	Wave Rack for Bicycle Parking
50.22A	12' Decorative Lighting Post
50.22B	30' Decorative Lighting Post

6000 Series – Paver Details

<u>Standard</u>	<u>Description</u>
60.01	Residential Driveway With Concrete Edges
60.02	Patio/Sidewalk/Plaza on Compacted Aggregate
60.03	Patio/Sidewalk/Plaza on Concrete Base
60.04	Street/Parking Lot/Residential Driveway Overlay on Existing Concrete Pavement
60.05	Street/Parking Lot/Residential Driveway Overlay on Existing Asphalt Pavement
60.08	Steps with Pavers
60.09	Street/Parking Lot on Compacted Gravel Base
60.10	Concrete Curb and Gutter with Pavers
60.11	Crosswalk on Compacted Aggregate Base
60.12	Crosswalk on Concrete Base
60.13	Crosswalk on Asphalt or Cement Treated Base
60.14	Utility Structure
60.15	Utility Structure Valve Box/Pull Box/Lampole
60.16	Catch Basin
60.17	Tree Pit – Non-compacted Root Zone under Pavers
60.18	Slope Protection Pavers
60.19	Fountain
60.22	Parking Garage over Uninhabited Space Expansion Joint
60.23	Parking Garage over Inhabited/Uninhabited Space - Drain
60.24	Parking Garage over Inhabited Space Expansion Joint
60.25	Bridge Deck
60.26	Gas Station on Cement Treated Base
60.27	Port/Industrial/Airfield Pavement With Cement Treated Base
60.28	Port/Industrial Pavement on Existing Asphalt or Concrete
60.31	Fire Lane, Driveway & Intermittent Parking
60.32	Slope Protection
60.33	Riparian Stabilization for Stream and Lake Sides
60.34	Ditch Liner for Intermittent Flows

The above 6000 Series – Paver Details were developed using Cambridge Paver and Turfstone details as examples. Pavers manufactured by others may be used upon approval by The Town of Pineville. If others are used, they shall be comparable in quality to the Cambridge product.
