TYPICAL CONCRETE CONTROL MONUMENT

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

TYPICAL CONCRETE CONTROL MONUMENT

NOT TO SCALE
GENERAL NOTES:
1. ALL CONCRETE TO BE 3600 P.S.I. COMPRESSIVE STRENGTH.
2. TYPE OF PIPE TO BE USED IS 1-5/8" MAX. O.D. BLACK IRON, LOW CARBON PIPE OR GALVANIZED.
3. ALL JOINTS TO HAVE A 1/2" FILLET WELD AT ALL JOINTS.
4. AFTER INSTALLATION PAINT ASSEMBLY WITH BLACK ALL WEATHER ENAMEL.
5. SEE PLDS 50.04-3 FOR WARRANTS

NOT TO SCALE
WARRANTS

STANDARD SAFETY RAIL (PLDS #50.04A) SHALL BE INSTALLED UNDER ANY OF THE FOLLOWING CIRCUMSTANCES IN BOTH NEW CONSTRUCTION AND IN RETROFITTING OR RECONSTRUCTION OF EXISTING ROADWAYS OR SITES:

1. WHEN THE CULVERT CROSSING DETAIL (PLDS #10.36A–B) APPLIES.
2. IF THERE IS A TWO FOOT OR GREATER DROP-OFF WITHIN 2 FEET OF THE EDGE OF THE SIDEWALK (SEE DIAGRAM A).
3. IF THERE IS A 1-FOOT OR LARGER DROP-OFF DIRECTLY ADJACENT TO THE SIDEWALK EDGE (SEE DIAGRAM B).
4. AT THE TOP OF ANY DROP-OFF WITHIN THE PEDESTRIAN CLEAR ZONE OR WHERE PEDESTRIANS CAN REASONABLY BE EXPECTED IN THE VICINITY.
5. AT THE DIRECTION OF THE TOWN ENGINEER BASED ON FIELD CONDITIONS.

DEFINITIONS

DROP-OFF — A SLOPE OF 2:1 OR STEEPER. EXAMPLES INCLUDE HEADWALLS, RETAINING WALLS, AND CULVERTS.

PEDESTRIAN CLEAR ZONE —— 10 FEET OF ANY COMBINATION OF SIDEWALK, SLOPE, AND SHOULDER SLOPED AT 6:1 OR FLATTER. SIDEWALK DOES NOT NEED TO BE PRESENT.

SIDEWALK — FOR PURPOSES OF THIS STANDARD, THE TERM "SIDEWALK" IS USED GENERICALLY AND SHALL MEAN ANY PATH OR SURFACE TO BE USED FOR BICYCLE AND/OR PEDESTRIAN TRANSPORTATION. EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, SIDEWALKS, BIKE PATHS, SHARED–USE PATHS, PEDESTRIAN PATHS, AND GREENWAYS.
STREET NAME SIGN

KEY TO FASTENERS:

A. #10-24 x 3/4" HEX HEAD MACHINE, ZINC- DEAD END
#10-24 FLANGE NUT, ZINC- DEAD END

B. 5/16" #16 x 3" CARRIAGE BOLT, ZINC
5/16" #16 HEX NUT, STEEL

C. 5/16" #16 x 2-3/4" CORNER BOLT (BREAKAWAY), ZINC
5/16" #16 HEX NUT, STEEL

NOTES:

1. POST SHALL BE 14-GAUGE GALVANIZED STEEL, QUIK-POINCH, 7/16" HOLES, 1" ON CENTER, ALIGNED ON ALL SIDES, AND 2" SQUARE, 10 FEET IN LENGTH.

2. THE SLEEVE SHALL BE 12-GAUGE GALVANIZED STEEL, 7/16" HOLES, 1" ON CENTER, ALIGNED ON ALL SIDES, AND 2.25" SQUARE, 30" IN LENGTH.

3. ALL STREET NAME SIGNS ARE SUBJECT TO THE APPROVAL OF THE TOWN PLANNER OR HIS DESIGNEE.

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

STREET NAME SIGN
(NCDOT MAINTAINED STREETS)
NOTES

1. STREET NAME MARKERS (SNM) SHALL BE ALUMINUM, FLAT, AND HAVE DIMENSIONS AS SHOWN ON THIS DETAIL. MINIMUM LENGTH OF 24"; MAXIMUM LENGTH OF 60". THE SNM'S SHALL BE COVERED WITH WHITE HIGH INTENSITY PRISMATIC (HIP) RETRO-REFLECTIVE SHEETING (3M SERIES 3930 OR EQUIVALENT) WITH PRESSURE SENSITIVE ADHESIVE (OR EQUIVALENT TYPE IV OR HIGHER).

2. THE LETTERS SHALL BE REVERSE CUT FROM TRANSPARENT GREEN OVERLAY FILM (3M #177 EC FILM OR EQUIVALENT MEETING FEDERAL SPECIFICATION FP–96, SECTION 178.01(A) AND ASTM D4956). THE TRANSPARENT GREEN OVERLAY FILM MUST BE PLACED ON THE SNM TO PROVIDE AN EXPOSED 0.5" BORDER OF THE UNDERLAY WHITE HIP RETRO-REFLECTIVE SHEETING.

3. THE STREET NAME SHALL BE COMPOSED OF INITIAL UPPER CASE LETTERS 6" IN HEIGHT AND CORRESPONDING LOWER CASE LETTERS 4.5" IN HEIGHT, IN FHWA "HIGHWAY B" FONT. THE STREET NAME SHALL BE LEFT-JUSTIFIED AND PLACED 0.5" FROM THE SIGN BORDER. ANY STREET NAME WITH 3 OR FEWER LETTERS SHALL BE CENTERED IN THE SIGN TEXT AREA.

PREFIX/SUFFIX NAMES SHALL BE COMPOSED OF INITIAL UPPER CASE LETTERS 3" IN HEIGHT AND CORRESPONDING LOWER CASE LETTERS 2.25" IN HEIGHT, IN FHWA "HIGHWAY C" FONT. BLOCK NUMBERS SHALL BE 3" IN HEIGHT, IN FHWA "HIGHWAY C" FONT.

PREFIX NAMES AND BLOCK NUMBERS SHALL BE RIGHT-JUSTIFIED AND PLACED 0.5" FROM THE RIGHT-SIDE SIGN BORDER AND 0.25" FROM THE TOP AND BOTTOM SIGN BORDERS. PREFIX LETTERS (N, S, E, AND W) SHALL BE CENTERED AND PLACED 0.5" FROM THE LEFT-SIDE SIGN BORDER WITH 2.5" SPACING TO BEGINNING OF STREET NAME.

4. SUPPLEMENTAL SNM WORDING ON YELLOW HIP RETRO-REFLECTIVE SHEETING WITH BLACK VINYL LETTERS SHALL BE PLACED ADJACENT TO THE GREEN OVERLAY FILM/BORDER TO INDICATE STREETS THAT DEAD END, HAVE NO OUTLET, ETC. OR ARE PRIVATE STREETS (PVT). THE YELLOW HIP RETRO-REFLECTIVE SHEETING MUST BE PLACED ON THE SNM TO MAINTAIN AN EXPOSED 0.5" BORDER OF THE UNDERLAY WHITE HIP RETRO-REFLECTIVE SHEETING.

NO OUTLET WITH ARROW (RIGHT OR LEFT) – PLACED ON SNM AT ENTRANCE TO A STREET OR STREET NETWORK FROM WHICH THERE IS NO OTHER EXIT. USE UPPER CASE LETTERS 2" IN HEIGHT, IN FHWA "HIGHWAY C" FONT.

PVT – PLACED ON SNM AT ENTRANCE TO PRIVATE STREET, USE UPPER CASE LETTER 4" IN HEIGHT AND CORRESPONDING LOWER CASE LETTERS 2" IN HEIGHT, IN FHWA "HIGHWAY C" FONT.

DEAD END WITH ARROW (RIGHT OR LEFT) – PLACED ON SNM AT ENTRANCE TO A SINGLE STREET THAT TERMINATES IN A DEAD END OR CUL-DE-SAC. USE UPPER CASE LETTERS 2" IN HEIGHT, IN FHWA "HIGHWAY C" FONT. IF STUB STREET IS LESS THAN OR EQUAL TO 200 FEET, THEN DEAD END IS NOT NECESSARY.

5. ALL SNMs ARE SUBJECT TO THE APPROVAL OF THE TOWN PLANNER OR HIS DESIGNEE.
1. Installation. Post shall be assembled and direct buried at a minimum depth of 48 inches. The post shall be installed to prevent post from rotating in place.

2. All aluminum products must be pre-treated before applying powder coating to prevent adhesion problems and oxidation under the finish. A sheet plan showing the proposed location of all proposed signs must be approved prior to sign placement.

3. All hardware required for installation must be stainless steel material.

4. No sheet metal allowed. All sign components must be made of aluminum or stainless steel material.

5. The number of street signs is determined by the occupant load of street signs. The occupant load of street signs is determined by the number of street signs located in proximity to the public works department.

6. Minor handsaw or minor handsaw and minor handsaw and minor handsaw. Minor handsaw and minor handsaw.

7. Black powder coat finish shall be standard black powder coat finish. The standard black powder coat finish shall be standard black powder coat finish. The standard black powder coat finish shall be standard black powder coat finish.

8. All panels shall be of approved black powder coat finish. The panel shall be standard black powder coat finish. The panel shall be standard black powder coat finish. The panel shall be standard black powder coat finish.

9. All traffic signs must meet Federal Highway Administration (FHWA) requirements. The sign shall be reflective and be approved for placement.

10. Sign support: All sign support materials must be pre-treated before applying powder coating to prevent adhesion problems and oxidation under the finish. A sheet plan showing the proposed location of all proposed signs must be approved prior to sign placement.
PRODUCT SPECIFICATIONS:
- REGULATORY SIGN: MUTCD STANDARDS (STOP SIGN SHOWN FOR REFERENCE)
- POST: 3" SMOOTH BLACK POST
- BASE: BS-03C CORINTHIAN BASE
- BREAKAWAY SIGN POST COUPLER: S300R 3" ROUND WITH IN-GROUND ANCHOR
- FINIAL: FN-0203 GLOBE

SEE NOTES ON PLDS 50.05D FOR DESIGN SPECIFICATIONS.
NOTES
1. TWO STREET NAME MARKERS ARE REQUIRED IF THE MAJOR STREET HAS 3 OR MORE LANES.
2. ANY VARIANCE FROM THIS STANDARD MUST BE APPROVED BY THE TOWN PLANNER
TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

DEAD END STREET BARRICADE

NOTE
THIS DETAIL IS NOT A GUARDRAIL DETAIL. FOR
ROADSIDE GUARDRAIL, SEE NCDOT STANDARD
DRAWINGS 862.01-862.03

TYPICAL ELEVATION

SECTION THRU RAIL ELEMENT

DETAIL OF POST
GENERAL NOTES:

1. STEEL BEAM TYPE GUARD RAILS SHALL BE INSTALLED AT THE END OF ALL DEAD-END STREETS, EXCEPT CUL-DE-SAC STREETS WHICH HAVE BEEN IMPROVED WITH A PERMANENT TURN-AROUND.

2. FOR STREETS 26’ IN WIDTH THE GUARD RAIL SHALL CONSIST OF TWO (2) 12’-6” SECTIONS OR ONE (1) 25’ SECTION, THREE (3) STEEL POSTS, AND TWO (2) TERMINAL SECTIONS. FOR STREETS GREATER THAN 25’ IN WIDTH THE GUARD RAIL SHALL SPAN THE ENTIRE WIDTH OF THE STREET.

3. GUARD RAIL SHALL CONSIST OF RAIL ELEMENTS FABRICATED TO DEVELOP CONTINUOUS BEAM STRENGTH AND INSTALLED AS SHOWN.

4. MINIMUM THICKNESS OF GUARD RAIL SHALL BE 12 GAGE U.S. STANDARD. THE RAIL ELEMENT INCLUDING SPLICES, SHALL HAVE A MINIMUM ULTIMATE TENSILE STRENGTH OF 80,000 LBS. GUARD RAIL PARTS FURNISHED SHALL BE INTERCHANGEABLE WITH SIMILAR PARTS REGARDLESS OF THE SOURCE OF MANUFACTURER. THE HOLES FOR CONNECTING BOLTS SHALL BE PUNCHED OF DRILLED, BURNING WILL NOT BE PERMITTED.

5. THE GUARD, BOLTS, NUTS, STEEL POSTS, AND ALL OTHER METAL PARTS SHALL BE GALVANIZED TO CONFORM TO THE REQUIREMENTS FOR THE COATING CLASS, (2.50 OUNCES PER SQUARE FOOT) OF THE CURRENT SPECIFICATIONS FOR ZINC-COATED (GALVANIZED) IRON, AND STEEL SHEETS, COILS, AND CUT LENGTHS, IN ACCORDANCE WITH ASTM 123A.

6. IF THE AVERAGE SPELTER COATING AS DETERMINED FROM THE REQUIRED SAMPLES IS LESS THAN TWO (2) OUNCES OF SPELTER PER SQUARE FOOT, OR IF ANY ONE SPECIMEN HAS LESS THAN 1.8 OUNCES OF SPELTER PER SQUARE FOOT OF DOUBLE EXPOSED SURFACE, THE LOT SAMPLED SHALL BE REJECTED, THE FINISHED SHEETS SHALL BE OF FIRST CLASS COMMERCIAL QUALITY, FREE FROM INJURIOUS DEFECTS, SUCH AS BLISTERS, FLUX, AND UNCOATED SPOTS.

7. THE GUARD RAIL SHALL BE INSPECTED TO DETERMINE THAT THE MATERIAL, DIMENSIONS, AND WORKMANSHIP ARE IN ACCORDANCE WITH THIS PLAN.

8. WHERE A DEAD-END STREET REQUIRES GUARD RAIL, END OF ROADWAY MARKER SIGNS SHALL ALSO BE REQUIRED.
(SEE PLDS 50.06A & 50.06B) (ER-1).
SIGN LOCATION DETAIL

CROSS SECTION OF POST (14 GAUGE)

CROSS SECTION OF POST
(2 LB./FT.)

PROPERTY LINE

STREET BARRICADE

1' - 9"

3' END ROAD FILL

NOT TO SCALE

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

END OF ROADWAY MARKER

8/1/19

Pineville
NORTH CAROLINA

STD. NO. REV.
50.08A 3
FUTURE DEVELOPMENT WILL EXTEND THIS STREET

GUARD RAIL CLAMP INSTALLATION

NOTES:
1. WHEN A DEAD-END OR STUBBED STREET REQUIRES A GUARDRAIL SECTION, END-OF-ROADWAY MARKER SIGNS (OM4-3, 24"x24", SOLID RED) SHALL BE PROVIDED.

2. SIGNS ARE TO BE PLACED BEHIND THE BARRICADE (SEE PLDS 50.07A-B), EVENLY SPACED WITH ONE SIGN PLACED AT THE CENTERLINE LOCATION AND ADDITIONAL SIGNS AT 6’ O.C. (MINIMUM OF 3 SIGNS, MAXIMUM OF 5 SIGNS).

3. WHEN BARRICADE IS USED ON A STREET STUB, THE SIGN AT THE CENTERLINE SHALL BE SUPPLEMENTED WITH A STREET CONNECTIVITY SIGN.

4. ALL SIGNS/MARKERS SHALL MEET OR EXCEED MUTCD STANDARDS FOR RETROREFLECTIVITY.

STREET CONNECTIVITY SIGN

1. SIGN SHALL MEET OR EXCEED CURRENT MUTCD STANDARDS FOR RETROREFLECTIVITY.

2. SIGN MATERIAL SHALL BE 0.080” THICK ALUMINUM.

3. ALL LETTERS SHALL BE SERIES B-2000 FROM THE CURRENT STANDARD HIGHWAY SIGNS MANUAL (AND ANY REVISION THERETO) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.

TOWN OF PINEVILLE
LAND DEVELOPMENT STANDARDS

END OF ROADWAY MARKER
GUARD RAIL CLAMP INSTALLATION

50.08B
PARKING STANDARDS
TOWN OF PINEVILLE
LAND DEVELOPMENT STANDARDS

NOTES:
1. FOR ACCESSIBLE PARKING STANDARDS/SIGNAGE SEE PLODS 50.10A AND B.
2. PAVEMENT MARKINGS SHALL BE 4" WHITE PAINT.
3. ALTERNATIVE PARKING ANGLES, AISLE WIDTHS, AND OPERATION (TWO-WAY ANGLED PARKING OR REVERSE-ANGLE PARKING) WILL BE CONSIDERED BY TOWN ENGINEER ON A CASE-BY-CASE BASIS.

8/1/19

TOWN OF PINEVILLE
LAND DEVELOPMENT STANDARDS
PARKING STANDARDS

50.09A

ACCESSIBLE PARKING REQUIREMENTS

<table>
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<td>1001 AND OVER</td>
<td>20 PLUS 1 FOR EACH 100 OVER 1000 1 IN EVERY 8 ACCESSIBLE SPACES</td>
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REF.: SECTION 208 OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN

NOTES:
1. ALL 12” x 18” ACCESSIBLE SIGNS (R7-8 & R7-1) SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE (MUTCD). MOUNTING HEIGHT CAN BE REDUCED TO 5 FEET IF PLACED IN AN AREA BETWEEN SIDEWALK AND BUILDING FACE IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
2. REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) U.S. DEPARTMENT OF TRANSPORTATION AND NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPPLEMENT.
3. IF ACCESSIBLE ROUTE IS A RAISED SIDEWALK AREA, THEN RAMPS ARE REQUIRED AT LOADING ZONE AREA.
4. SIGNAGE MUST NOT OBSTRUCT ACCESSIBLE ROUTE OR RAMPS.

TOWN OF PINEVILLE
LAND DEVELOPMENT STANDARDS

ACCESSIBLE PARKING AND SIGNAGE STANDARDS
SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7–8P)

MAXIMUM PENALTY $250
GS20–37.6

LEGEND AND BORDER - GREEN
BACKGROUND - WHITE

* INCREASE SPACING 50%
D–FHWA (FEDERAL HIGHWAY ADMINISTRATION/USDOT) SERIES D LETTERS

SIGN APPROVED FOR USE UNDER GENERAL STATUTE 20–37.6
THIS PENALTY SIGN IS REQUIRED TO ACCOMPANY ALL R7–8 PARKING SIGNS ERECTED AFTER DECEMBER 31, 1990

NOTE:
1. SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7–8P) USED IF THERE IS ONLY ONE REQUIRED ACCESSIBLE PARKING SPACE (MUST BE VAN ACCESSIBLE) AND AT EACH ADDITIONAL REQUIRED VAN ACCESSIBLE SPACE. (SEE PLDS NO. 50.10A)

TOWN OF PINEVILLE
LAND DEVELOPMENT STANDARDS

SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7–8P)

8/1/19

STD. NO. REV.
50.10B 3
NOTES:

1. PAVEMENT MARKINGS TO BE PER LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

2. SIGNS TO BE LOCATED/SPACED PER MUTCD REQUIREMENTS.

3. "CIRCULAR INTERSECTION" AND "TRAFFIC CIRCLE" SUBPLATE SIGNS, AND YELLOW TUBULAR MARKERS, ARE REQUIRED ON THOROUGHFARES, COUNTY, NCDOT AND/OR TOWN WILL DETERMINE IF ONE OR MORE OF THESE ARE NECESSARY ON LOCAL OR COLLECTOR STREETS.

4. "PEDESTRIAN CROSSING" AND ARROW SUBPLATE SIGNS ARE REQUIRED WHEREVER THERE IS A MARKED CROSSWALK OR ON A THOROUGHFARE.

5. "YIELD" SIGNS ARE ALWAYS REQUIRED.

6. PAVEMENT MARKINGS, SPLITTER ISLAND DESIGNS, CROSSWALK, ETC., ARE SHOWN FOR CONTEXT ONLY. REFER TO THE MUTCD AND/OR THE FEDERAL HIGHWAY ADMINISTRATION’S MANUAL ROUNDABOUT: AN INFORMATIONAL GUIDE FOR MORE DETAIL OR DESIGN INFORMATION.

7. ADDITIONAL SIGNS MAY BE NEEDED ON A CASE-BY-CASE BASIS, TO BE EVALUATED BY TOWN ENGINEER.

8. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC.
NOTES:
1. ADDITIONAL PAVEMENT MARKINGS (EDGE LINES, GORES, ETC.) ARE NOT SHOWN BUT ARE REQUIRED BY THE TOWN ENGINEER.
2. FOR DIVIDED SIDE STREETS, MEASURE THE 12 FOOT DIMENSION FROM THE FACE OF MEDIAN INSTEAD OF FACE OF CURB ON APPROACHING LANE.
3. ALL SIGNS SHALL BE MUTCD STANDARD SIGNS.

SIGN LEGEND
A ONE WAY (R6–2R, 18”x24”)
B DO NOT ENTER (R5–1, 30”x30”)
C DOUBLE–DOWN ARROW (W12–1, 30”x30”)
D NO U–TURN (R3–4, 24”x24”)*
E STOP (R1–1, 30”x30”)
* IF NECESSARY

NOT TO SCALE
NOTES

1. PER MUTCD STANDARDS, WHEN CROSSWALK LINES ARE USED THEY SHALL CONSIST OF SOLID WHITE LINES THAT MARK THE CROSSWALK. THEY SHALL BE NOT LESS THAN 150 MM (6 IN) NOR GREATER THAN 600 MM (24 IN) IN WIDTH.

2. IF TRANSVERSE LINES ARE USED TO MARK A CROSSWALK, THE GAP BETWEEN THE LINES SHOULD NOT BE LESS THAN 1.8 M (6 FT). IF DIAGONAL OR LONGITUDINAL LINES ARE USED WITHOUT TRANSVERSE LINES TO MARK A CROSSWALK, THE CROSSWALK SHOULD NOT BE LESS THAN 1.8 M (6 FT) WIDE.

3. IF USED, THE DIAGONAL OR LONGITUDINAL LINES SHOULD BE 300 TO 600 MM (12 TO 24 IN) WIDE AND SPACED 300 TO 1500 MM (12 TO 60 IN) APART. THE MARKING DESIGN SHOULD AVOID THE WHEEL PATHS, AND THE SPACING SHOULD NOT EXCEED 2.5 TIMES THE LINE WIDTH.
RAISED CROSSWALK

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

HIGH VISIBILITY PIANO STYLE CROSSWALK MARKINGS (OR EQUIVALENT) SHALL BE INSTALLED ON THE TABLE PART OF THE RAISED CROSSWALK PER PLDSM 50.14.

NOTES:

1. THIS DETAIL IS TO BE USED ONLY WITH PRIOR APPROVAL BY THE TOWN AND PINEVILLE FIRE DEPARTMENT.

2. ADJACENT CURB RAMPS SHALL BE INSTALLED PER PLDSM 10.31 A&B, MODIFIED TO A 1 1/4" DEPRESSION AT BACK OF CURB.

3. PROVIDE APPROPRIATE STORM DRAINAGE MEASURES TO ENSURE WATER DOES NOT POND AT ANY POINT ALONG THE SURFACE CROSSWALK OR AT THE BASE OF THE RAISED CROSSWALK.

4. THE CROSSWALK SURFACE RUNNING SLOPE AND CROSS SLOPE SHALL NOT EXCEED THAT OF THE EXISTING ROADWAY.

5. STORM GRATES SHALL NOT BE INSTALLED INTO THE TAPERS OR TABLE PORTION OF THE RAISED CROSSWALK.

6. THIS DETAIL IS NOT PERMITTED FOR USE ON NCDOT-MAINTAINED ROADWAYS.

SECTION A-A

PROP. APPROX. 4” OF ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
HIGH VISIBILITY TRAFFIC YELLOW PAINT (OR EQUIVALENT) SHALL BE INSTALLED

VEHICULAR TRAVEL LANE DIRECTION

STREET CENTERLINE

TRAVEL LANE CENTERLINE

EDGE OF PAVEMENT

NOTES:

1. THIS DETAIL IS TO BE USED ONLY WITH PRIOR APPROVAL BY THE TOWN AND PINEVILLE FIRE DEPARTMENT.

2. STORM GRATES SHALL NOT BE INSTALLED INTO THE TABLE PORTION OF THE SPEED BUMP.

3. THIS DETAIL IS NOT PERMITTED FOR USE ON NCDOT-MAINTAINED ROADWAYS.

SECTION A-A

PROP. APPROX. 3" OF ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SY. YD. IN EACH OF TWO LAYERS.
SHOULDER DETAIL FOR STREETS WITHOUT CURB

*END RESURFACING LIMITS 15' PRIOR TO EDGE OF HUMP

DIRECTION OF TRAFFIC

EDGE OF PAVEMENT

STREET CENTERLINE

DIRECTION OF TRAFFIC

EDGE OF PAVEMENT

PLAN VIEW

12"
TAPER

SHOULDER (1' MIN)

EXISTING PAVEMENT

TACK COAT PER NCDOTSTD. SPECIFICATIONS. (SECT. 605)

TYPE SF9.5A ASPHALT CONCRETE PER NCDOTSTD. SPECS (SECT. 610 & 620)

NOTES:
THE ASPHALT PLANT MIX SHALL BE COMPACTED TO A DENSITY OF AT LEAST 94%
TYPICAL PAVEMENT MARKINGS

22'

EDGE OF PAVEMENT

TRAVEL LANE CENTERLINE

STREET CENTERLINE

TRAVEL LANE CENTERLINE

DIRECTION OF TRAFFIC

VARIES 24', TYP.

WHITE MARKINGS

12'' 12''

6' 5' 5' 6'

NOT TO SCALE

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

SPEED TABLE
3 of 3
NOTES:
1. BIKE RACKS SHOULD BE INSTALLED AS PER MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES.
2. ALTERNATIVE BIKE RACKS OR LOCKERS MAY BE USED BUT ARE SUBJECT TO APPROVAL BY THE TOWN OF PINEVILLE.
3. ALL DIMENSIONS SHOWN ARE MINIMUM.
NOTES:
1. BIKE RACKS SHOULD BE INSTALLED AS PER MANUFACTURER’S RECOMMENDED INSTALLATION PROCEDURES.
2. ALTERNATIVE BIKE RACKS OR LOCKERS MAY BE USED BUT ARE SUBJECT TO APPROVAL BY THE TOWN ENGINEER.
3. ALL DIMENSIONS SHOWN ARE MINIMUM.

TOWN OF PINEVILLE LAND DEVELOPMENT STANDARDS

WAVE RACK FOR BICYCLE PARKING

NOT TO SCALE
SPECIFICATIONS

POST DESCRIPTION

THE LIGHTING POST SHALL BE ALL ALUMINUM, ONE-PIECE CONSTRUCTION, WITH A CLASSIC TAPERED AND FLUTED BASE DESIGN. THE POST SHALL BE PROVIDED WITH (1) SPECIAL LOVELAND STYLE CROSSAR, FOR TWO FIXTURES AT 180° WITH 3” TENON.

MATERIALS

THE BASE AND FLUTED TAPERED CAST SHAFT SHALL BE HEAVY WALL, CAST ALUMINUM PRODUCED FROM CERTIFIED ASTM 356.1 INGOT PER ASTM B-179-95A OR ASTM B26-95. ALL HARDWARE SHALL BE STAINLESS STEEL ANCHOR BOLTS TO BE COMPLETELY HOT DIP GALVANIZED.

CONSTRUCTION


DIMENSIONS

THE POST SHALL BE 12’-0” IN HEIGHT WITH A #17” BASE. THE SHAFT DIAMETER SHALL BE 5”, AT THE TOP OF THE POST, AN INTEGRAL #3”X5” TENON WITH A TRANSITIONAL DONUT SHALL BE PROVIDED FOR LUMINAIRE.

INSTALLATION

THE POST SHALL USE FOUR, HOT DIP GALVANIZED L-TYPE ANCHOR BOLTS TO BE INSTALLED ON A 12” DIAMETER BOLT CIRCLE. A DOOR SHALL BE PROVIDED IN THE BASE FOR WIRING ACCESS. A GROUNDING SCREW SHALL BE PROVIDED INSIDE THE BASE OPPOSITE THE DOOR.

FINISH

THE ENTIRE POST ASSEMBLY SHALL BE STANDARD HOLOPHANE BLACK.

LUMINAIRE

LUMINAIRE SHALL BE GRANVILLE PREMIER II LED 2 SERIES

DECORATIVE POSTS AND FIXTURES SHALL BE MANUFACTURED BY:
HOLOPHANE
214 OAKWOOD AVENUE
NEWARK, OHIO 43055

12' DECORATIVE LIGHTING POST

TOWN OF PINEVILLE
LAND DEVELOPMENT STANDARDS

DECORATIVE POLE DETAIL
HOLOPHANE CATALOG #S
POLE: WDA12F5J17P17DBBBK
ARM: LV30/2T3CABKH RFD47946

2/29/20
SPECIFICATIONS

POST DESCRIPTION
The lighting post shall be all aluminum construction with a decorative fluted cast aluminum base. The patented Sielink Shaft profile shall consist of four mounting tracks and channels. The post shall be provided with (1) post-top medium ball final – gold finish, (1) sl side – mounted Boston Harbor 96” roadway arm, (2) sl side – mounted Loveland crossarms, (3) gasket and grommet kits.

MATERIALS
The base and fluted tapered cast shaft shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179–95A or ASTM B-217–95. The straight shafts shall be extruded from aluminum, ASTM 6061 alloy. All hardware shall be stainless steel. Anchor bolts to be completely hot dip galvanized.

CONSTRUCTION
The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be welded inside the base casting at the top of the accessory door, and externally where the shaft exits the base. All welding shall be per ANSI/AWS.

DIMENSIONS
The post shall be 30’–0” in height with a 17” diameter base. The shaft diameter shall be 5.25”. At the top of the post, a integral 3” x 5” tenon with a transitional donut and modified plate for mounting the BRF final.

INSTALLATION
The post shall be provided with four, hot dip galvanized L-type anchor bolts to be installed on a 12” diameter bolt circle. A door shall be provided in base for anchorages and wiring access. A grounding screw shall be provided inside the base opposite the door.

FINISH
The entire assembly shall have a standard holophane black finish.

LUMINAIRE
Autobahn LED roadway – large series
Granville Premier II LED 2 series

DECORATIVE POSTS AND FIXTURES
SHALL BE MANUFACTURED BY:

HOLOPHANE
214 Oakwood Avenue
Newark, Ohio 43055

HOLOPHANE CATALOG # S
POLE: WDA30L6J17PO7-Modbk-(3)KXXX Y RFD280401
ANCHOR BOLTS: AB-27-4
POST TOP FINAL: BRGFLH RFD280401
ROADWAY ARM: SLBHC96/1LSBOL68BK RFD280401
MID-POST ARM: (2)SLLVBO(3T3)L68BK RFD280401
GASKET/BROMET KITS: (3)SLGAGMKIT
FIXTURE: MGLED4KASWLHPKPL1P7US
FIXTURE: (2)GPD2P2040KASMBK5NNUHPCS

DECORATIVE POST DETAIL

TOWN OF PINEVILLE
LAND DEVELOPMENT
STANDARDS

30’ DECORATIVE LIGHTING POST

2/29/20
50.22B 4