# TOWN OF WEST HARTFORD INFRASTRUCTURE RULES AND SPECIFICATIONS

# **STANDARD CONSTRUCTION DETAILS**



Department of Community Development Division of Engineering

**JULY 2022** 

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TOWN OF WEST HARTFORD DIVISION OF ENGINEERING

INFRASTRUCTURE RULES & SPECIFICATIONS

NOT TO SCALE REV: 1/2018 EXHIBIT: C-5

EXTRUDED CONCRETE CURB

## 5" MOUNTABLE EXTRUDED CONCRETE CURB



## 6" MOUNTABLE EXTRUDED CONCRETE CURB











NOTES:

- 1. ALL DIMENSIONS SHOWN ARE FOR GENERAL INFORMATION ONLY. CONTRACTOR TO SUBMIT MANUFACTURERS' SHOP DRAWINGS OF SPECIFIC PRODUCT FOR APPROVAL BY THE ENGINEER.
- 2. A GALVANIZED BICYCLE SAFE GRATE SHALL BE USED.
- 3. "DRAINS TO WATERCOURSE" SHALL BE IMPRINTED INTO CATCH BASIN CURB TOP.



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TYPE 'C' PRECAST CATCH BASIN TOP









#### NOTES:

- 1. ENDS OF PIPES SHALL EXTEND TO AND BE CUT FLUSH WITH INSIDE FACE OF MANHOLE. APPLY MORTAR TO CUT EDGE OF PIPE TO COVER REINFORCING.
- 2. RED BRICK IS NOT TO BE USED.
- 3. LADDER RUNGS SHALL BE INSTALLED IN ALL MANHOLES WHEN THE DEPTH OF THE STRUCTURE FROM THE TOP OF FRAME TO THE LOWEST FLOW LINE EXCEEDS 4 FEET. RUNGS SHALL CONFORM TO FORM 816 SECTION M08.02.5.
- 4. ANY OVER EXCAVATION SHALL BE REPLACED WITH PROCESSED AGGREGATE BASE, MEDIUM GRADATION, OR  $\frac{3}{4}$ " STONE.
- 5. ALL PRECAST CONCRETE PRODUCTS MUST HAVE THE CASTING DATE CLEARLY LABELED ON EACH PRODUCT. NO PRECAST CONCRETE PRODUCT SHALL BE DELIVERED TO THE SITE WITHIN THE 7 DAY PERIOD FOLLOWING THE CASTING DATE.
- 6. ALL WEAKENED OR KNOCKOUT AREAS THAT ARE NOT USED SHALL BE BRICKED AND MORTARED TO MAINTAIN DESIGN WALL THICKNESS.
- 7. THE JOINTS OF PRECAST CONCRETE MANHOLES SHALL BE WRAPPED WITH GEOTEXTILE COVERING AT LEAST 12 INCHES ON BOTH SIDES OF THE JOINT.
- 8. MANHOLE FRAME AND COVER TO BE SET TO FINISHED GRADE. ASPHALT SHIMS TO BE PLACED BEFORE WINTER IF PAVING HAS NOT BEEN COMPLETED.
- 9. BACKFILL WITH SUITABLE MATERIAL APPROVED BY THE ENGINEER.
- 10. MANHOLE COVER SHALL HAVE "STORM" WRITTEN ON TOP.



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PRECAST DRAINAGE MANHOLE









#### CONSTRUCTION:

The lighting post shall be of a fully cast aluminum construction. The shaft shall have a 07" to 041/2" taper with 14 flutes. There shall be (1) access door in the base openings 4"x 5"h minimum for wiring and anchorage access. All hardware shall be stainless steel.

#### DIMENSIONS:

The post shall have a luminaire mounting height of 12'. The base shall have a  $\varnothing 20$ ".

#### LUMINAIRE MOUNTING:

A Ø3" by 3" tall tenon shall be an integral part of the pole provided for post top mounting of luminaire.

#### INSTALLATION: (see drawing for details)

The lighting pole shall be provided with (4)  $\emptyset$ 3/4" x 24" long "L-type" anchor bolts. Each anchor bolt shall be supplied assembled with (1) nut, (1) flat washer and (1) split lock washer. The pole shall have a  $\emptyset$ 15" bolt circle and requires a 3" anchor bolt projection. All anchorage hardware shall be fully galvanized.

#### FINISH:

The pole shall be finished with high gloss Super Durable polyester powder coat paint to be applied utilizing a multi-stage process that includes phosphate pretreatment, electrostatic powder application, and convection curing. Color to be specified.

## Color: BLACK









-ROADWAY —

TOWN OF WEST HARTFORD DIVISION OF ENGINEERING

INFRASTRUCTURE RULES & SPECIFICATIONS NOT TO SCALE REV: 7/2022 EXHIBIT: L-1

DECORATIVE STREET LIGHT























CONTRACTOR TO SAWCUT A ONE -FOOT CUT BACK ON ALL SIDES OF THE TEMPORARY PATCH, REMOVE THE ASPHALT, PLACE ASPHALT OVER THE TRENCH, AND JOINT SEAL THE TRENCH PERIMETER FOR THE FINAL RESTORATION, UNLESS OTHERWISE APPROVED BY THE ENGINEER. DIVISION OF ENGINEERING INFRASTRUCTURE RULES & SPECIFICATIONS NOT TO SCALE REV: 4/2021 EXHIBIT: S-9 STREET EXCAVATION TRENCH RESTORATION DETAIL





UNDERDRAIN/COLLECTOR DRAIN 2











#### NOTES:

- 1. EXISTING PAVEMENT SHALL BE MILLED AROUND ENTIRE PERIMETER OF SPEED HUMP.
- 2. SPEED HUMPS SHALL BE CONSTRUCTED OF S0.375 BITUMINOUS CONCRETE.
- 3. TACK COAT SHALL BE APPLIED TO ALL MILLED SURFACES, INCLUDING EDGES, AND BENEATH THE ENTIRE BASE OF THE SPEED HUMP.
- 4. JOINTS SHALL BE SEALED WITH HOT ASPHALT MATERIAL, AC-20 OR APPROVED EQUAL.
- 5. PAVEMENT MARKINGS SHALL BE 12" WHITE EPOXY RESIN PAVEMENT MARKINGS.
- 6. WARNING SIGN, W17-1 "SPEED HUMP" (30" X 30"), SHALL BE MOUNTED ON THE RIGHT SIDE OF THE ROADWAY 10 FEET BEFORE THE START OF THE SPEED HUMP IN BOTH DIRECTIONS.
- 7. SPEED HUMPS SHOULD BE INSTALLED WITH AN APPROXIMATE SPACING OF 300'-400'.
- 8. IF A SERIES OF SPEED HUMPS EXISTS IN CLOSE PROXIMITY, THE ADVANCE WARNING PAVEMENT MARKS SHALL BE ELIMINATED ON ALL EXCEPT THE FIRST SPEED HUMP IN THE SERIES, IN EACH DIRECTION.



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TOWN OF WEST HARTFORD

SPEED HUMP



