



TYPICAL SECTION - MINOR ARTERIAL
Not to Scale

- LEGEND**
- 1 POINT OF APPLICATION OF GRADE
 - 2 1.5" BITUMINOUS CONCRETE - CLASS 1
 - 3 1.5" BITUMINOUS CONCRETE - CLASS 1 BASE COURSE
 - 4 ASPHALTIC TACK COAT ON CONCRETE BASE
 - 5 8" REINFORCED CONCRETE (3000 PSI MIN. 96 HOUR CURE)
 - 6 8"x20" GRANITE CURBING
 - 7 5" AND 8" 4000 PSI CONCRETE WALK
 - 8 12" PROCESSED TRAPROCK
 - 9 LOAM AND SEED OR 2" BIT. CONCRETE SURFACE
 - 10 6" PROCESSED TRAPROCK
 - 11 6 X 12 #4 WELDED WIRE MESH REINFORCEMENT
 - 12 28' ALUMINUM STREET LIGHT POLE (TEXTURE BY OTHERS)
 - 13 8" UNDERDRYAN WHERE REQUIRED BY CITY
 - 14 SUITABLE SUB GRADE SHAPED AND COMPACTED

DESIGN CRITERIA:

DESIGN CONTROLS:	
Design Speed:	35 mph
Level of Service:	C-D
ROW Width:	66'-74'

ALIGNMENT ELEMENTS:	
Stopping Sight Distance:	250'
Minimum Radius:	425' (e=4%)
Minimum Grade:	0.5%
Maximum Grade:	7%
Vertical Curve (K):	29
Crest	49
Sag	49

CROSS SECTION ELEMENTS:	
Curb to Curb Width:	36'-44'
Travel Lane Width:	12'
Shoulder Width:	0-4'
Pavement Cross Slope:	1.5%-2.0%
Sidewalk Width:	10'
Sidewalk Cross Slope:	2% Max.

Design criteria based on "AASHTO-Geometric Design of Highways and Streets", 4th Edition, 2001. This manual should be referenced to obtain the accurate design values for the applicable component range.

Introduction:
This drawing is provided for the purpose of establishing the minimum design guidelines with respect to the construction of a Minor Arterial Street, as defined by "A Policy on Geometric Design of Highways and Streets, 2001" by American Association of State Highway and Transportation Officials", (AASHTO), current edition, or as amended within the City of Hartford. The materials, dimensions, utilities and amenities shown are subject to the approval of the City of Hartford, Department of Public Works under the applicable provisions of the City of Hartford Municipal Code. The City reserves the right to amend or modify any part of these guidelines for any reason or purpose.

Utilities:
Line assignment for utility facilities shall be located within the curb to curb width. Such line assignments will be issued by the Department of Public Works.

Illumination:
Illumination design shall conform to LESND standards with a 2.0 footcandle average light level within the ROW. Fixtures shall be "Dark Skies" compliant unless otherwise approved by the Director of Public Works.

U.F.A.S.:
Handicapped accessible ramps shall be installed at every location where a pedestrian street crossing is planned. The ramp shall not exceed a slope of 1:12. Any design shall be compliant with current UFAS requirements.

Traffic Calming:
The Department of Public Works has developed a City wide Traffic Calming Master Plan. Street projects shall incorporate elements of this plan. The City Engineer should be consulted as to which traffic calming device is to be incorporated on a specific roadway.

Permits
Applicable permits that may be required are, but not limited to: City of Hartford, Department of Public Works Construction Permit, Metropolitan District Developer's Permit, DEP Stormwater Discharge Permit. It is the developer's responsibility to verify and obtain all required permits.

Specifications:
Construction shall conform to the following Specifications: City of Hartford Technical Specifications, Metropolitan District Standards and Specifications, State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction. Other specifications relative to specific utilities may be applicable.

Roadway Geometry shall conform to the requirements of Chapter 7, Rural and Urban Arterials of the AASHTO manual.

<p>Revisions</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">By</th> <th style="width: 50%;">Date</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>Manual revisions to this drawing are prohibited. The use of this drawing by any person for any reason without written authorized consent of the City of Hartford is prohibited.</p>	By	Date							<p>Notice</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Sign-Offs</th> <th style="width: 50%;">By</th> <th style="width: 50%;">Date</th> </tr> <tr> <td>Drawn</td> <td> </td> <td> </td> </tr> <tr> <td>Checked</td> <td> </td> <td> </td> </tr> <tr> <td>Recommended</td> <td> </td> <td> </td> </tr> <tr> <td>Approved</td> <td> </td> <td> </td> </tr> <tr> <td>Recorded</td> <td> </td> <td> </td> </tr> </table>	Sign-Offs	By	Date	Drawn			Checked			Recommended			Approved			Recorded		
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