

# PAVEMENT DESIGN

<u>CLASS OF STREET</u>	* <u>FULL DEPTH ASPHALT</u>	* <u>SOIL CEMENT BASE</u>	* <u>SAND/ASPHALT BASE</u>	<u>GRANULAR BASE</u>	<u>PORTLAND CEMENT CONCRETE PAVEMENT</u>
1) LOCAL	150 A.C.	50 A.C. 140 BASE	50 A.C. 140 BASE	50 A.C. 150 BASE 150 SUB BASE 150 DRAINAGE SAND	150 P.C.C.(6") 50 BASE
2) COLLECTOR	225 A.C.	85 A.C. 175 BASE	85 A.C. 200 BASE	85 A.C. 170 BASE 200 SUB BASE 150 DRAINAGE SAND	165 P.C.C.(6.5") 50 BASE
3) BUS ROUTE (RESIDENTIAL)	225 A.C.	85 A.C. 175 BASE	85 A.C. 200 BASE	85 A.C. 170 BASE 200 SUB BASE 150 DRAINAGE SAND	165 P.C.C.(6.5") 50 BASE
4) BUS ROUTE (CORE)	240 A.C.	95 A.C. 175 BASE	95 A.C. 205 BASE	95 A.C. 170 BASE 230 SUB BASE 150 DRAINAGE SAND	175 P.C.C.(7") 75 BASE
5) INDUSTRIAL	240 A.C.	95 A.C. 175 BASE	95 A.C. 205 BASE	95 A.C. 170 BASE 230 SUB BASE 150 DRAINAGE SAND	190 P.C.C.(7.5") 75 BASE
6) ARTERIAL 5% COMMERCIAL	250 A.C.	100 A.C. 185 BASE	100 A.C. 220 BASE	100 A.C. 180 BASE 230 SUB BASE 150 DRAINAGE SAND	200 P.C.C.(8") 75 BASE
7) ARTERIAL 10% COMMERCIAL	265 A.C.	115 A.C. 190 BASE	115 A.C. 220 BASE	115 A.C. 180 BASE 250 SUB BASE 150 DRAINAGE SAND	225 P.C.C.(9") 75 BASE

\* PAVEMENT STRUCTURES – CONSISTING OF FULL DEPTH ASPHALT, SOIL CEMENT BASE OR SAND/ASPHALT BASE SHALL BE PLACED ON A LIME MODIFIED SUBGRADE 450 THICK.

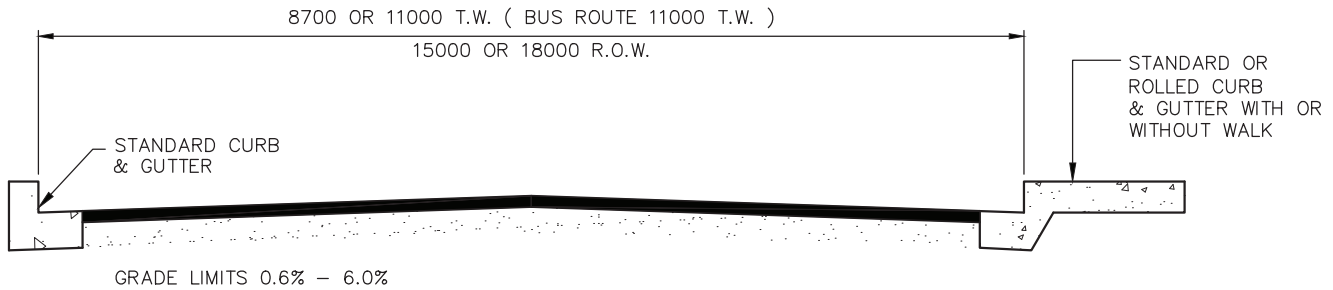
## NOTES

1. THE DESIGN THICKNESS INDICATED ABOVE REPRESENTS THE MINIMUM STRUCTURE REQUIRED.
2. A PAVEMENT DESIGN SHALL BE UNDERTAKEN WHERE WARRANTED.
3. CONCRETE PAVEMENT THICKNESS ARE INTENDED TO BE CONVENIENT INCREMENTS AVAILABLE IN THE INDUSTRY. IMPERIAL EQUIVALENTS ARE SHOWN IN PARENTHESES
4. PERFORATED DRAINAGE PIPE, AS SHOWN ON DRAWING No. R-2A, IS REQUIRED WITH GRANULAR BASE STRUCTURES
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

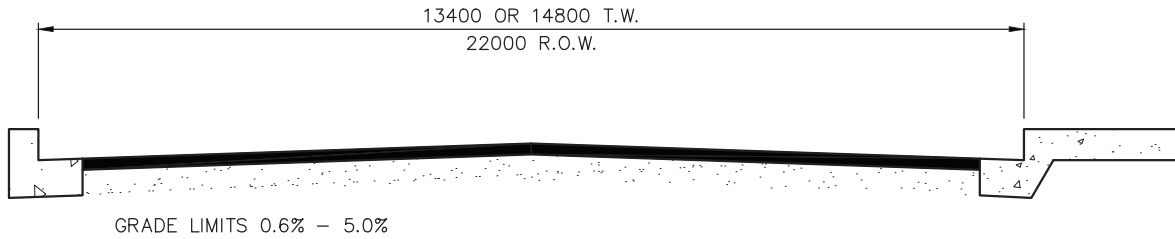
Date	Revisions	By
JAN/01	CEMENT DESIGNATION	J.H.
JAN/03	TITLE BLOCK	MLG
DEC/06	COLLECTOR STRUCTURE	J.H.
JUL/10	TITLE BLOCK	JJA



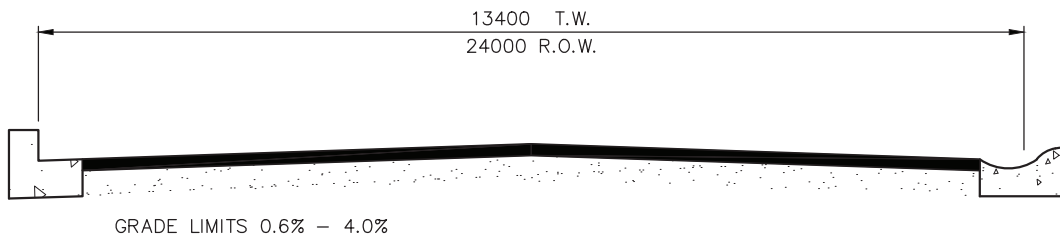
CONSTRUCTION STANDARDS		
<b>Alternate Pavement Structures</b>		
Designed By:		Approved: <b>Stella Madsen</b>
Date	Scale	<b>R-1</b>
JAN/98	NTS	
Digital File: <b>STDR-1.dwg</b>		



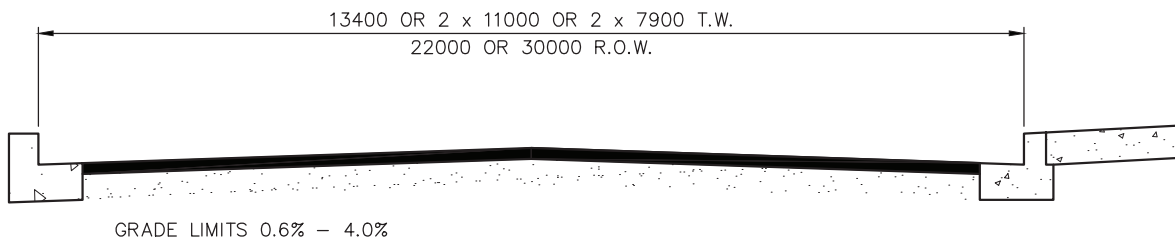
CROSS SECTION FOR LOCAL STREET



CROSS SECTION FOR COLLECTOR STREET



CROSS SECTION FOR INDUSTRIAL STREET



CROSS SECTION FOR ARTERIAL STREET

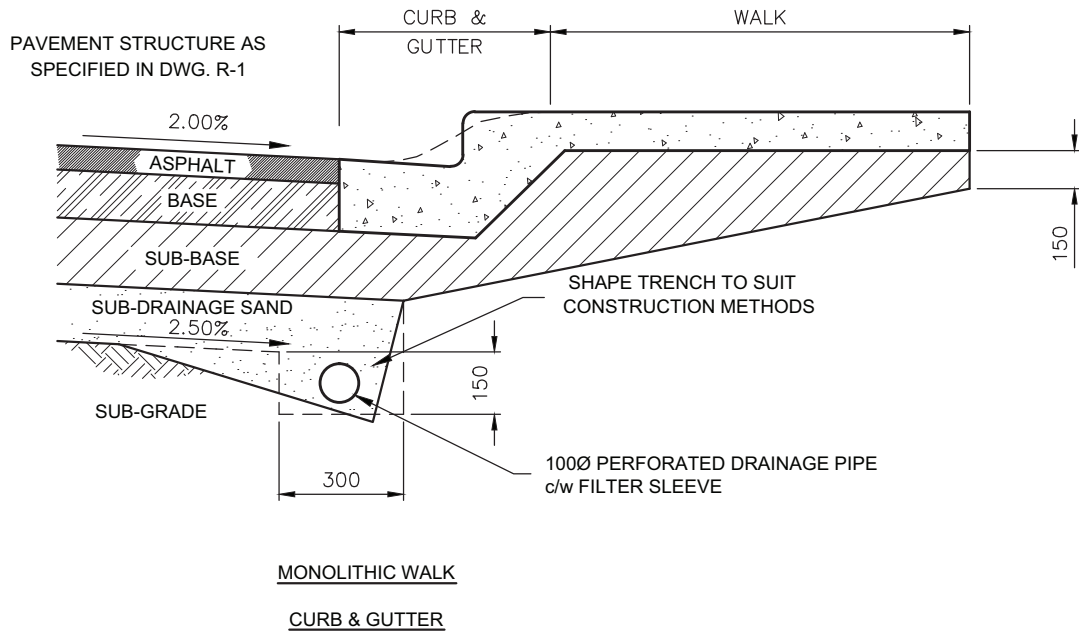
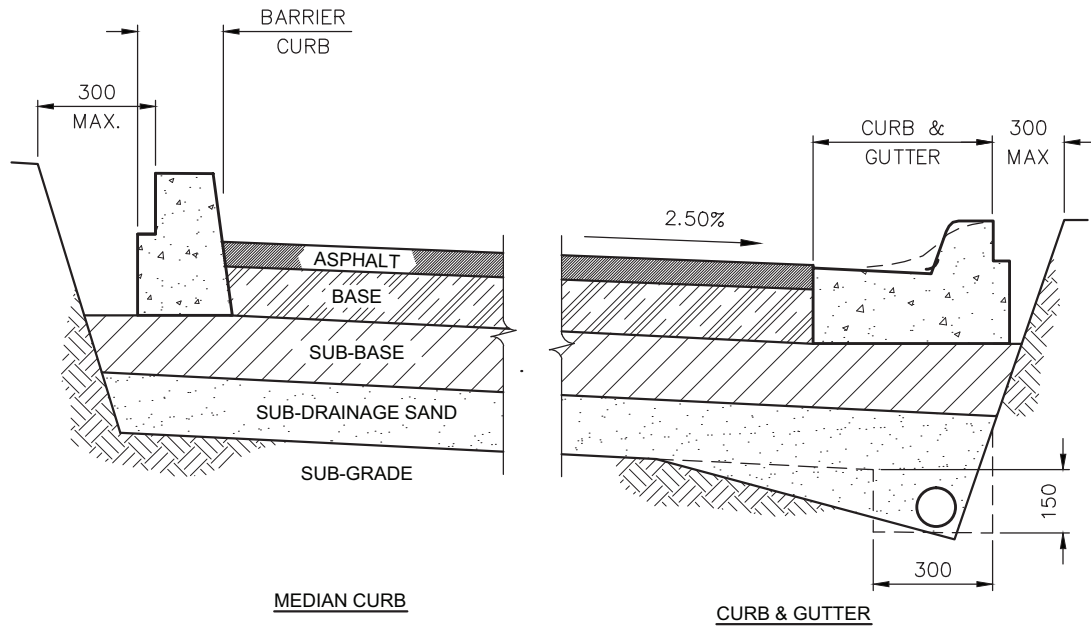
NOTES:

1. ASPHALT SHALL BE PLACED TO HEIGHT OF 10 ABOVE THE LIP OF THE GUTTER, EXCEPT ON THE HIGH SIDE OF SUPER ELEVATED CURVE WHERE IT SHALL BE FLUSH WITH THE LIP OF THE GUTTER
2. ALTERNATE PAVEMENT STRUCTURES ARE AS DETAILED ON DWG. NO R-1
3. MINIMUM CROSS SLOPE 2.5%
4. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES UNLESS OTHERWISE NOTED

Date	Revisions	By
JAN/03	TITLE BLOCK	MLG
JUL/10	TITLE BLOCK	JJA



CONSTRUCTION STANDARDS		
<b>Typical Cross Sections for Asphaltic Concrete Pavements</b>		
Designed By:	Approved: <b>Stella Madsen</b>	
Date: <b>Jan/98</b>	Scale: <b>NTS</b>	<b>R-2</b>
Digital File: <b>STDR-2.dwg</b>		



**NOTE:**

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

Date	Revisions	By
JAN/03	GRANULAR DEPTH AT BOW	J.H.
JAN/03	TITLE BLOCK	MLG
JUL/10	TITLE BLOCK	JJA



CONSTRUCTION STANDARDS		
<b>Typical Cross Sections for Granular Base Pavement Structures</b>		
Designed By:	Approved: Stella Madsen	
Date: JAN/98	Scale: NTS	<b>R-2A</b>
Digital File: STDR-2A.dwg		