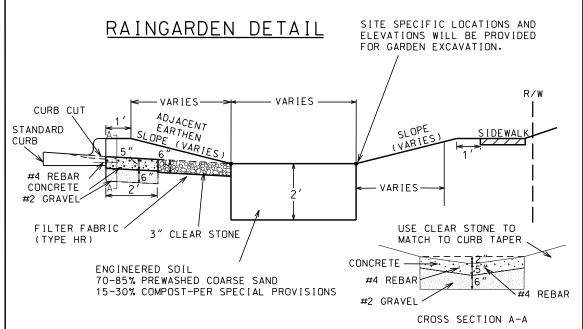
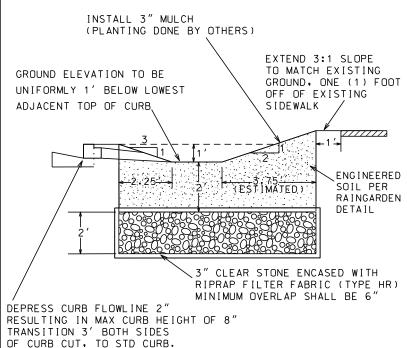
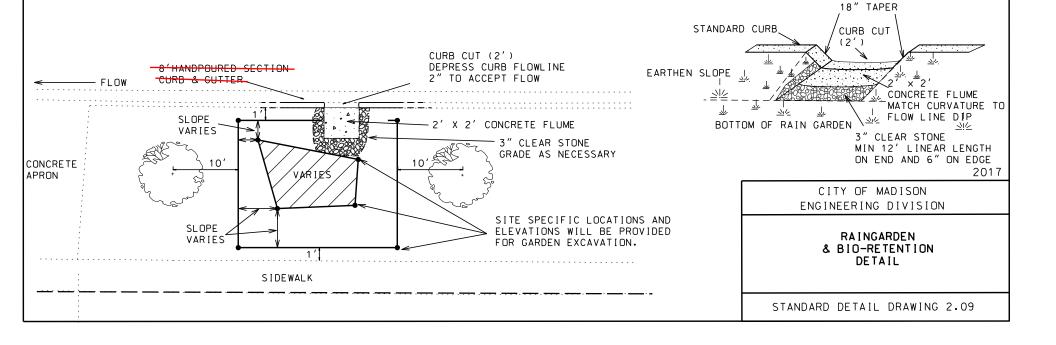


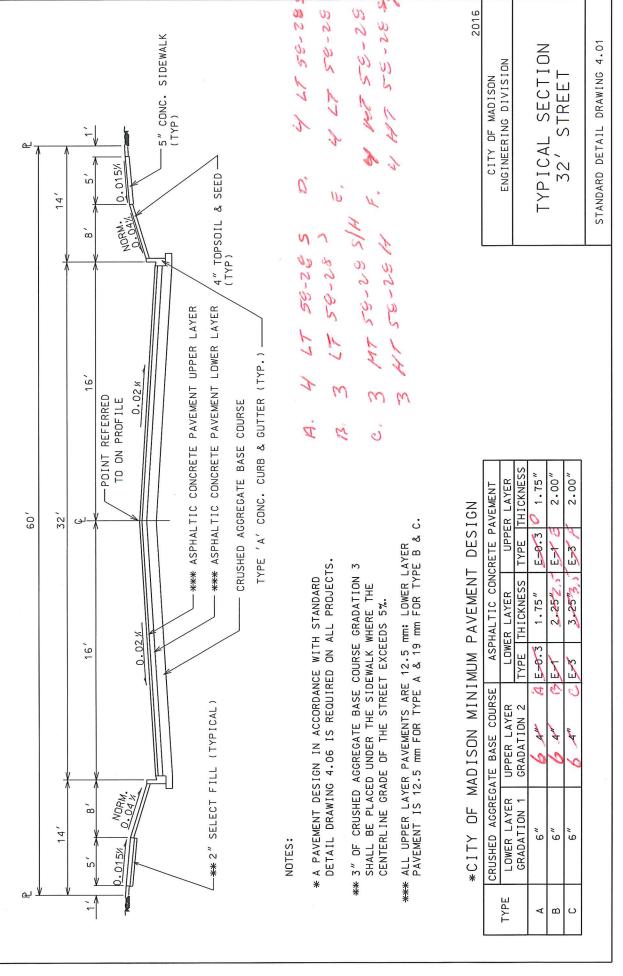
RAINGARDEN DETAIL

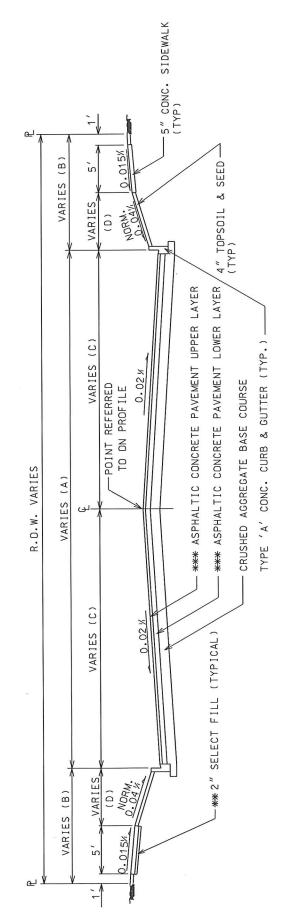


BIO-RETENTION DETAIL









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- * A PAVEMENT DESIGN IN ACCORDANCE WITH STANDARD DETAIL DRAWING 4.06 IS REQUIRED ON ALL PROJECTS.
- ** 3" OF CRUSHED AGGREGATE BASE COURSE GRADATION SHALL BE PLACED UNDER THE SIDEWALK WHERE THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%.
- *** ALL UPPER LAYER PAVEMENTS ARE 12.5 mm; LOWER LAYER PAVEMENT IS 12.5 mm FOR TYPE A & 19 mm FOR TYPE B & C.

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2015		Z
	MAD I SON	ENGINEERING DIVISION
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TYPICAL SECTION VARIOUS WIDTH STREETS

THICKNESS 1.75"

THICKNESS

LOWER LAYER

UPPER LAYER GRADATION 2

LOWER LAYER GRADATION 1

TYPE

" 9 "9

ш U

TYPE E-0.3

1.75"

TYPE E-0-3

UPPER LAYER

ASPHALTIC CONCRETE PAVEMENT

*CITY OF MADISON MINIMUM PAVEMENT DESIGN

CRUSHED AGGREGATE BASE COURSE

2.00"

E-3

3-25/13

E-1 E-3

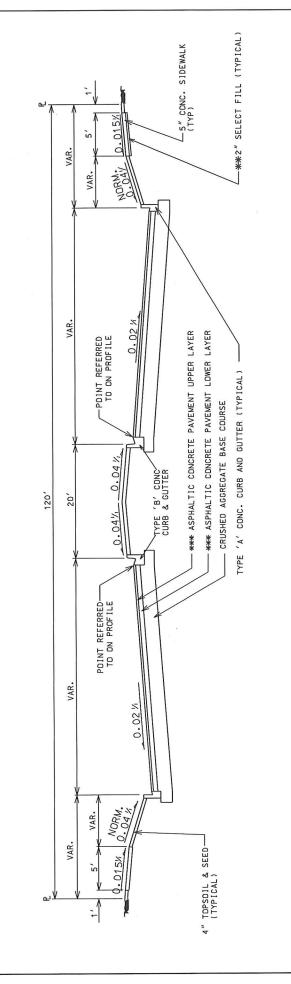
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STANDARD DETAIL DRAWING 4.02

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NOTES:

* A PAVEMENT DESIGN IN ACCORDANCE WITH STANDARD DETAIL DRAWING 4.06 IS REQUIRED ON ALL PROJECTS.

** 3" OF CRUSHED AGGREGATE BASE COURSE GRADATION 3 SHALL BE PLACED UNDER THE SIDEWALK WHERE THE CENTERLINE GRADE OF THE STREET EXCEEDS 5%. *** ALL UPPER LAYER PAVEMENTS ARE 12.5 mm; LOWER LAYER PAVEMENT IS 12.5 mm FOR TYPE A & 19 mm FOR TYPE B & C.

*CITY OF MADISON MINIMUM PAVEMENT DESIGN

	CRUSHED AGGREGATE	ATE BASE COURSE	ASPHALTIC CON	CONCRETE PAVEMENT
TYPE	LOWER LAYER	UPPER LAYER	LOWER LAYER	UPPER LAYER
	GRADATION 1	GRADATION 2	TYPE THICKNESS	TYPE THICKNESS
∢	,,9	1 P 9	E-0.3	E-0.3 1.75'
В	,,9	h A",	E-1 /2-25"2,5	E-1 2.00
ပ	,,9	6 A"	E-3 / 3-25"3,5	E-3 2.00

CITY DF MADISON ENGINEERING DIVISION

2016

TYPICAL SECTION BOULEVARD STREET STANDARD DETAIL DRAWING 4.03

PAVEMENT DESIGN CRITERIA

Identification of roadway classification for pavement design.

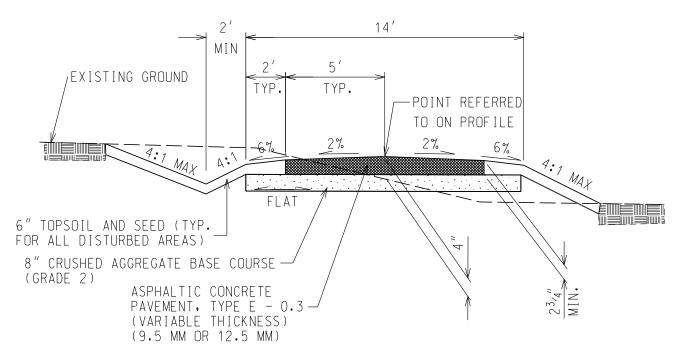
- Type A Local street with low traffic volume.
- Type B Collector Type streets or any streets expected to become bus routes (Design Year DLT \leq 2500).
- Type C Arterial Type streets all streets expected to carry significant truck traffic (Design Year DLT > 2500).
- A.) Design procedure Type A roadway use greater of:
 - 1. The Standard Minimum Section:
 - 3.5" Asphaltic Pavement
 - 12" Crushed Aggregate Base Course
 - 2. Pavement design based on Section 14-10-5 of the Wisconsin Department of
 Transportation's Facilities Development Manual. Use serviceability index (Pt) = 2.5.
 ESAL = 10 18K per day, and the soil support value given the existing field conditions.
 The Minimum Section is based on the above parameters and a soil support value of 3.5.
- B.) Design Procedure Type B roadway use greater of:
 - 1. The Standard Minimum Section: 4.50"Asphaltic Pavement 12" Crushed Aggregate Base Course
 - 2. Pavement design based on Section 14-10-5 of the Wisconsin Department of Transportation's Facilities Development Manual. Use serviceability index (Pt) = 2.5. ESAL = 20 18K per day, and the soil support value given the existing field conditions. The Minimum Section is based on the above parameters and a soil support value of 3.5.
- C.) Design Procedure Type C roadway use greater of:
 - 1. The Standard Minimum Section:
 5.50"Asphaltic Pavement
 12" Crushed Aggregate Base Course
 - 2. Pavement design based on Section 14-10-5 of the Wisconsin Department of Transportation's Facilities Development Manual. Use serviceability index (Pt) = 2.5. and the soil support value given the existing field conditions. The ESAL shall be calculated based on Section 14-1-5.

2018

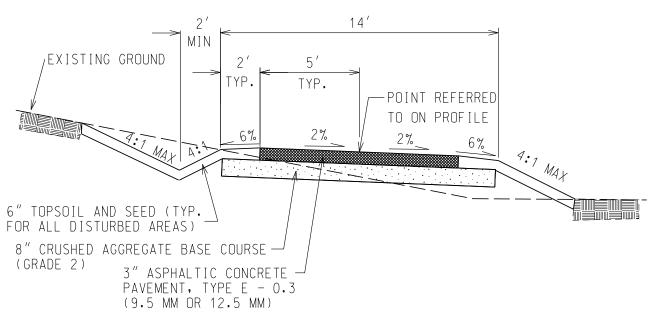
CITY OF MADISON ENGINEERING DIVISION

PAVEMENT DESIGN CRITFRIA

STANDARD DETAIL DRAWING 4.06



CROWNED PAVEMENT



UNIFORM CROSS SLOPE

GENERAL NOTES:

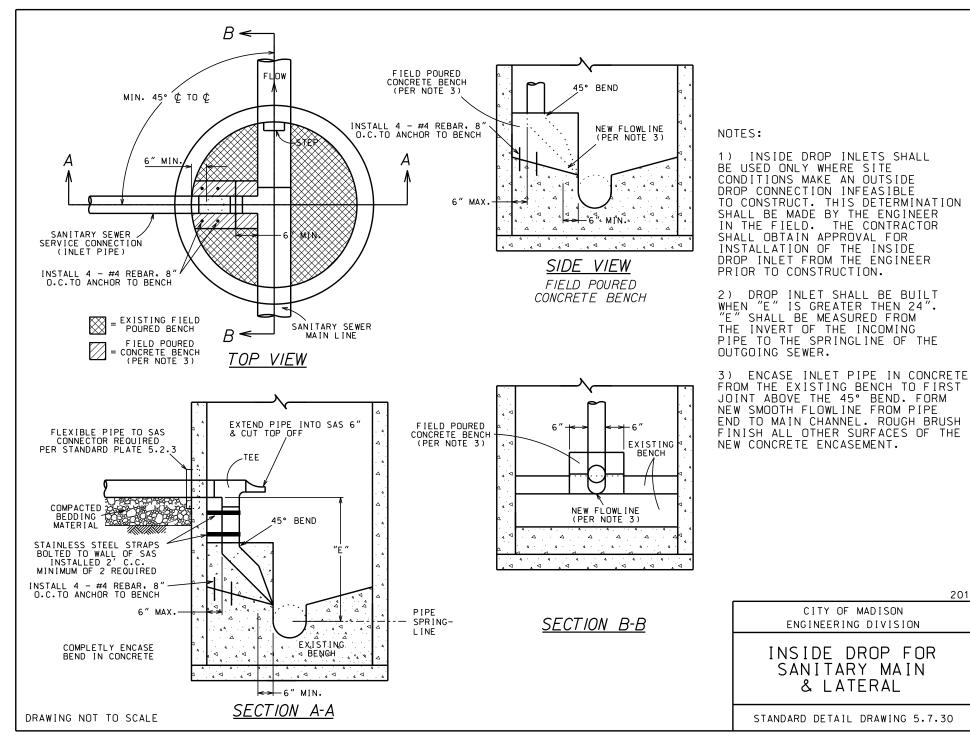
- 1. GRADING SHALL INCLUDE REMOVING VEGETATION AND TOPSOIL, SHAPING AND COMPACTING THE SUBBASE.
- 2. SUITABLE FILL AS REQUIRED TO OBTAIN A SUITABLE CROSS SECTION SHALL BE PLACED AND COMPACTED IN 6 INCH MAXIMUM LIFTS.
- 3. ALL DISTURBED AREAS SHALL BE TOPSOILED AND SEEDED.

CITY OF MADISON ENGINEERING DIVISION

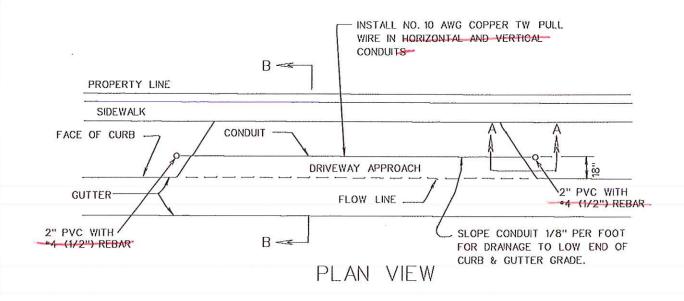
2018

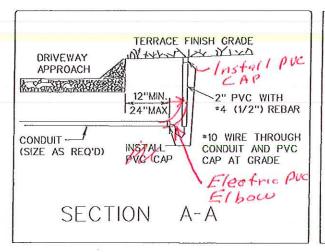
TYPICAL SECTION BIKE PATH

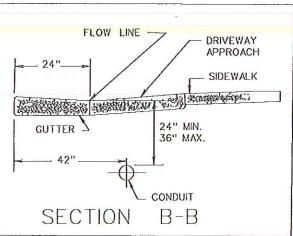
STANDARD DETAIL DRAWING 4.08



CONDUIT PLACEMENT DETAILS FOR COMMERCIAL DRIVE APPROACHES







BEFORE CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING SHOP, ELECTRICAL SECTION, (608-266-4767) TO ARRANGE FOR INSPECTION OF THE DUCT PLACEMENT.

CITY OF MADISON
TRAFFIC ENGINEERING DIVISION

2017

2013

CONDUIT PLACEMENT DETAILS FOR COMMERCIAL DRIVE APPROACH

STANDARD DETAIL DRAWING 6.09

