

THE CITY OF
SPRUCE GROVE

PLANNING AND INFRASTRUCTURE

REVISIONS

DATE	DETAILS	DRAWN
03/13	GRANULAR BASE	SW

STANDARD CURB & GUTTER



DRAWN: T. CRAWFORD
CHECKED: J. MUSTARD
APPROVED: J. MUSTARD

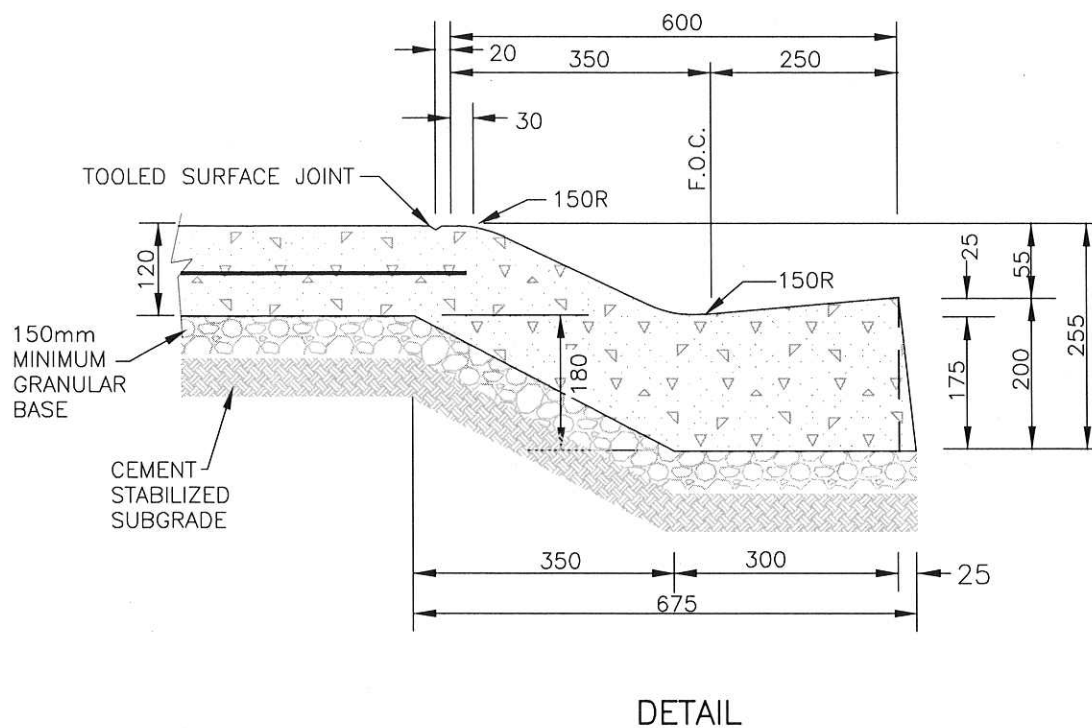
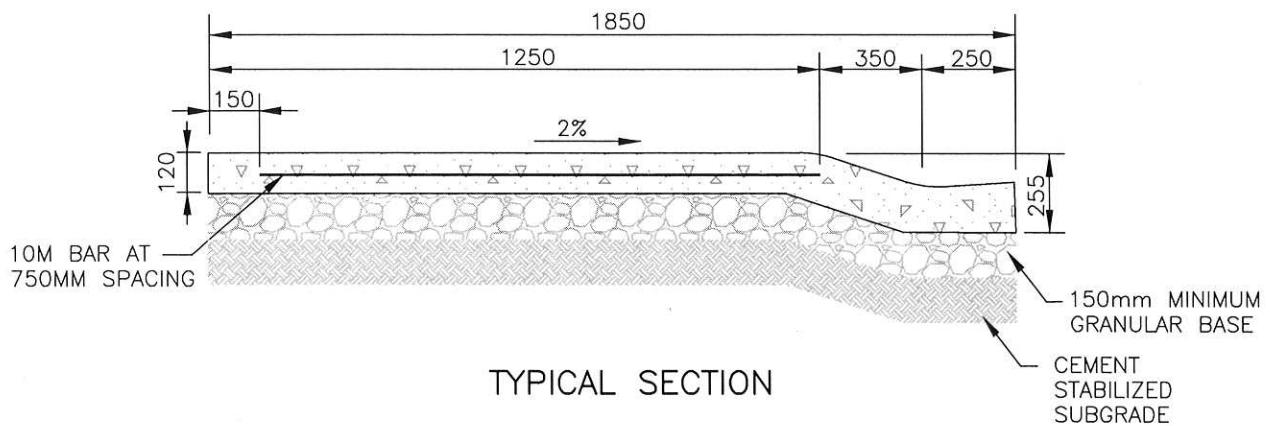
DATE: MARCH 6, 2006
SCALE: NOT TO SCALE
DRAWING No.: TN-01

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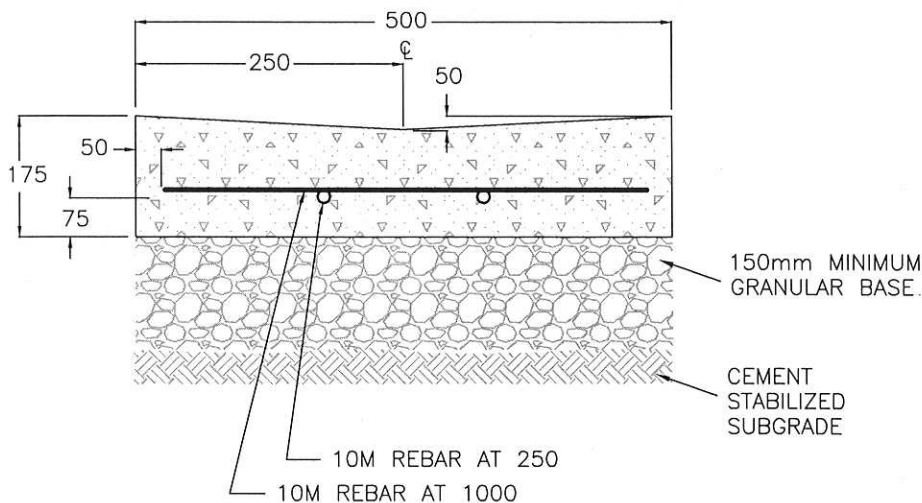
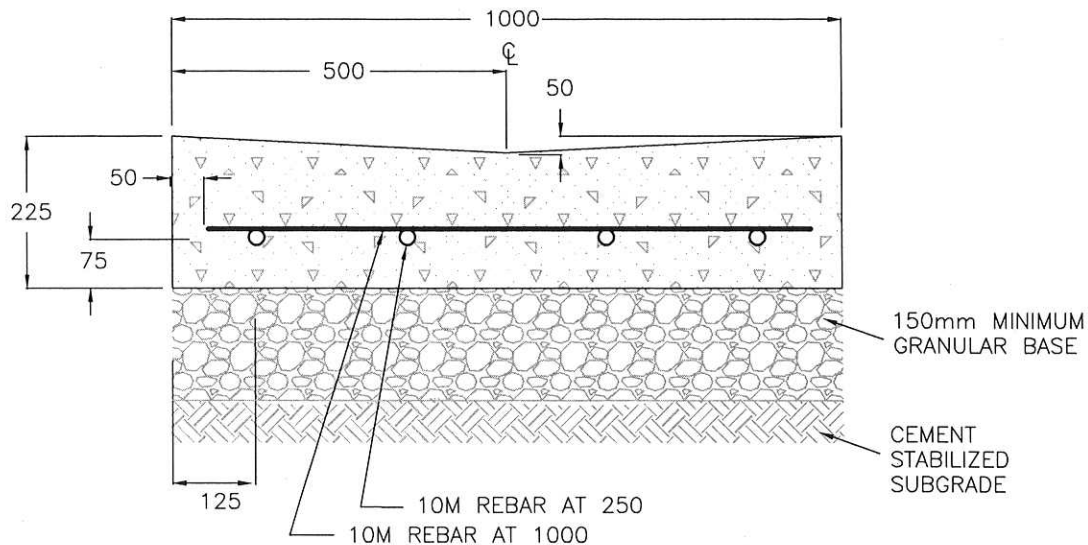
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THE CITY OF
SPRUCE GROVE

PLANNING AND INFRASTRUCTURE

REVISIONS			ROLLED MONO CURB & GUTTER		
DATE	DETAILS	DRAWN			
03/13	GRANULAR BASE	SW		DRAWN: T. CRAWFORD	DATE: MARCH 6, 2006
				CHECKED: J. MUSTARD	SCALE: NOT TO SCALE
				APPROVED: J. MUSTARD	DRAWING No.: TN-03



NOTES:

- ϕ SWALE TO MATCH GUTTER ELEVATION AT UPSTREAM END. LOWER GUTTER LIP TO MEET SWALE EDGE.
- SWALE EDGE TO MATCH GUTTER ELEVATION IN DOWNSTREAM END. LOWER GUTTER LIP TO MATCH ϕ OF SWALE.
- EXPANSION JOINTS TO BE CONSTRUCTED AT ENDS OF SWALE WHERE SWALE ABUTS GUTTERS.
- CONTRACTION JOINTS 50 DEEP AND 5 WIDE TO BE CONSTRUCTED 3m ON CENTERS ALONG SWALE.
- CROWN OF ROAD TO BE TAPERED, STARTING 15m FROM SWALE, TO PROVIDE SMOOTH VEHICULAR CROSSING OF SWALE.
- MINIMUM GRADE - 0.6%
- CONCRETE SWALE TO BE USED WHEN ASPHALT GRADE IS LESS THAN 1%

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REVISIONS

DATE	DETAILS	DRAWN
4/12	Rev. CL depth	RP
03/13	GRANULAR BASE	SW

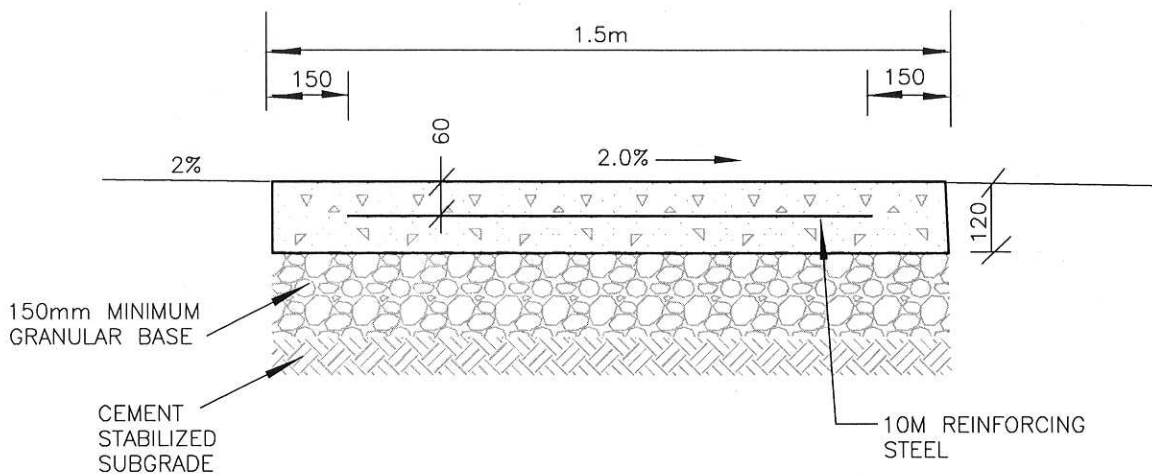
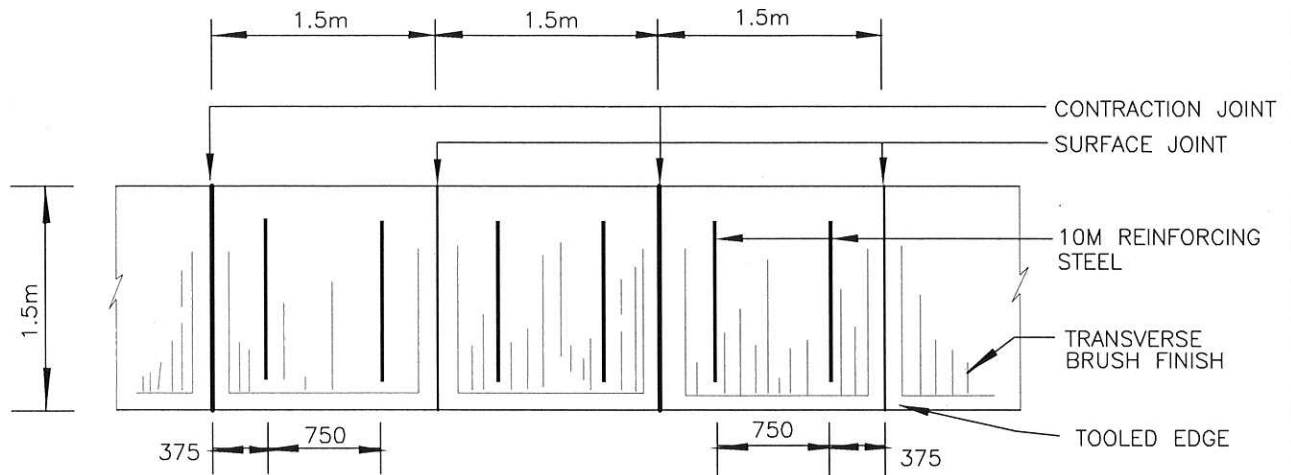
CONCRETE SWALE



DRAWN: T. CRAWFORD	DATE: MARCH 6, 2006
CHECKED: J. MUSTARD	SCALE: NOT TO SCALE
APPROVED: J. MUSTARD	DRAWING No.: TN-04

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THE CITY OF
SPRUCE GROVE

PLANNING AND INFRASTRUCTURE

REVISIONS

DATE	DETAILS	DRAWN
03/13	GRANULAR BASE	SW

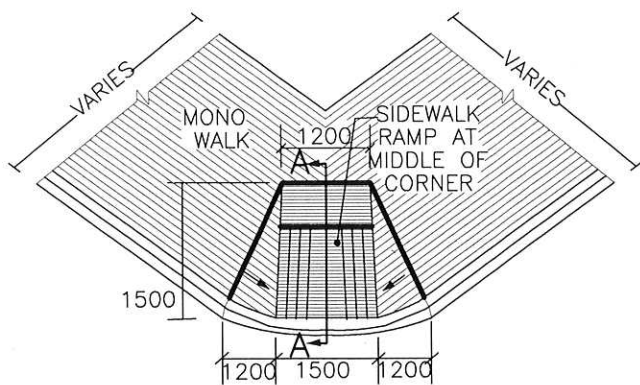
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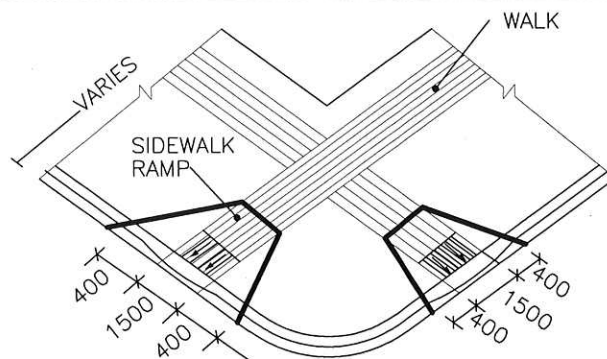
DRAWN: T. CRAWFORD	DATE: MARCH 6, 2006
CHECKED: J. MUSTARD	SCALE: NOT TO SCALE
APPROVED: J. MUSTARD	DRAWING No.: TN-05

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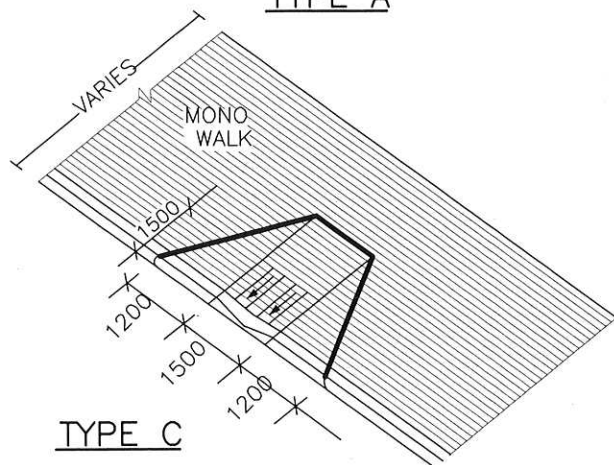
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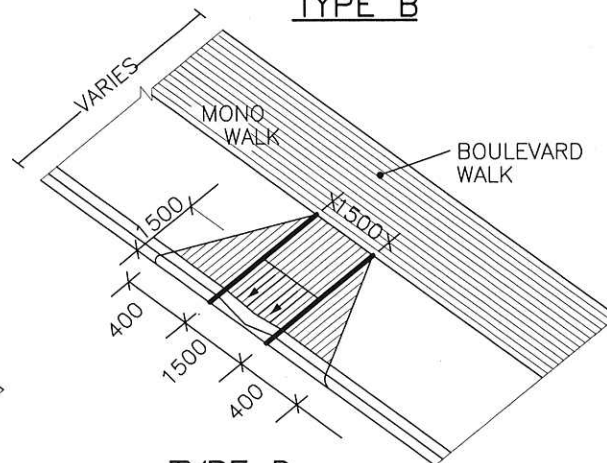
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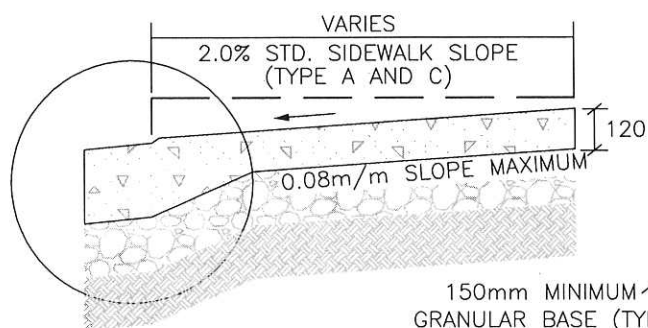
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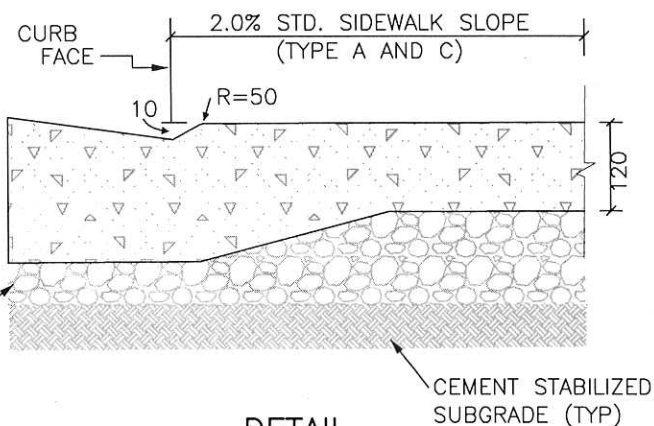
TYPE C



TYPE D



TYPICAL CROSS-SECTION A-A



DETAIL

NOTES:

1. TOOLED GROOVES 5mm WIDE X 10mm DEEP, BROOM FINISH GROOVE SPACING 150mm O.C. ADJACENT TO CURB.
2. WHERE RAMP IS TO BE USED AS A TRANSITION, USE THE CENTRE OF THE 150mm RAMP AS THE CENTRE OF THE TRANSITION.
3. WHERE CURB FACE IS 200mm, DISTANCE OF FLARE SHOULD BE 1600mm.
4. CURBS AND RAMPS TO BE POURED MONOLITHICALLY.
5. 150mm MINIMUM GRAVEL UNDER ALL CONCRETE STRUCTURES.

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REVISIONS

DATE	DETAILS	DRAWN
03/13	GRANULAR BASE	SW

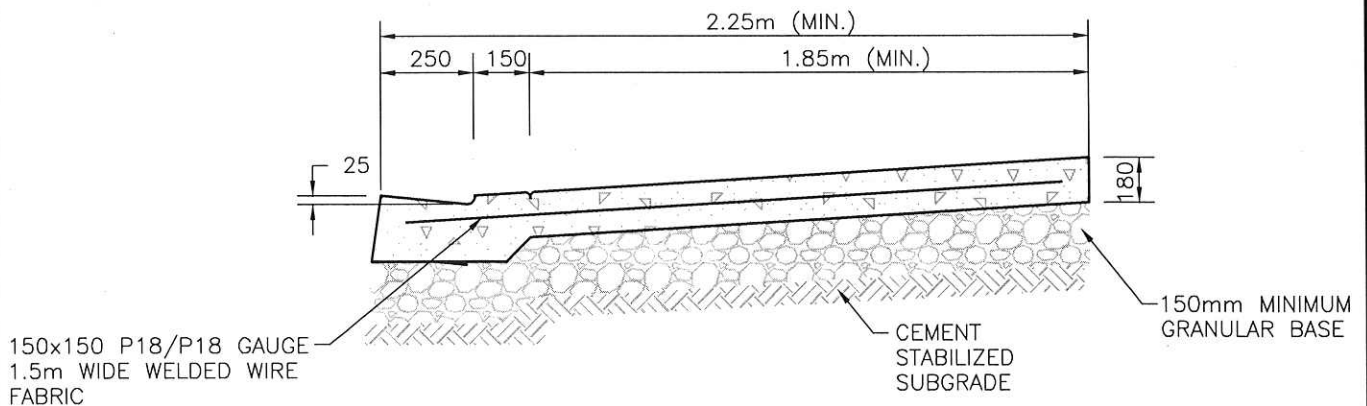
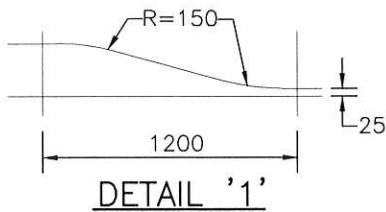
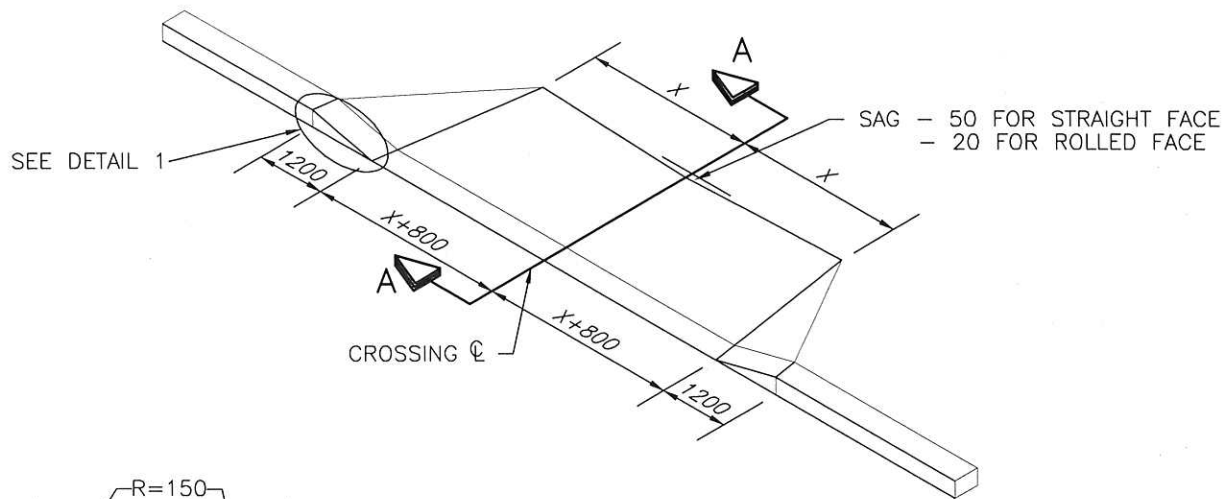
PARA RAMP DETAILS



DRAWN: T. CRAWFORD	DATE: MARCH 6, 2006
CHECKED: J. MUSTARD	SCALE: NOT TO SCALE
APPROVED: J. MUSTARD	DRAWING No.: TN-06

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SECTION A-A

NOTES:

1. MAXIMUM SLOPE 8% UNLESS OTHERWISE APPROVED BY ENGINEER.

THE CITY OF
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PLANNING AND INFRASTRUCTURE

REVISIONS

DATE	DETAILS	DRAWN
03/13	GRANULAR BASE	SW

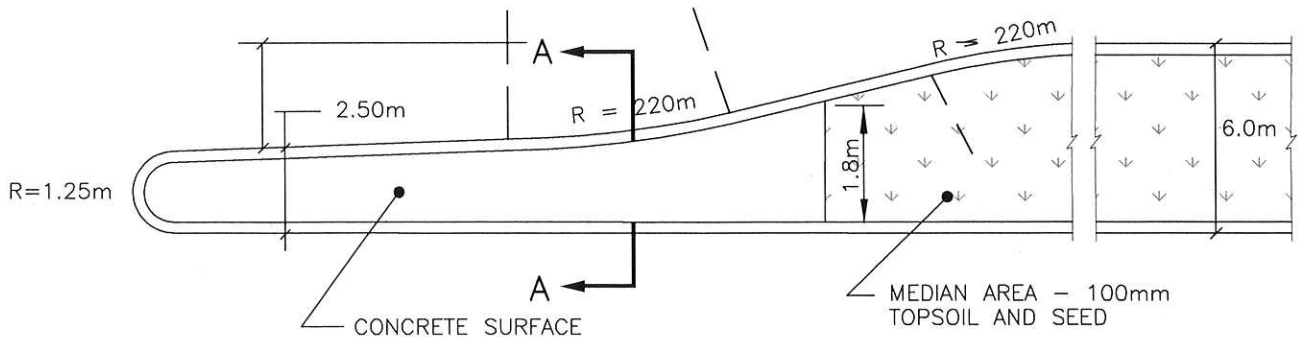
COMMERCIAL CROSSING



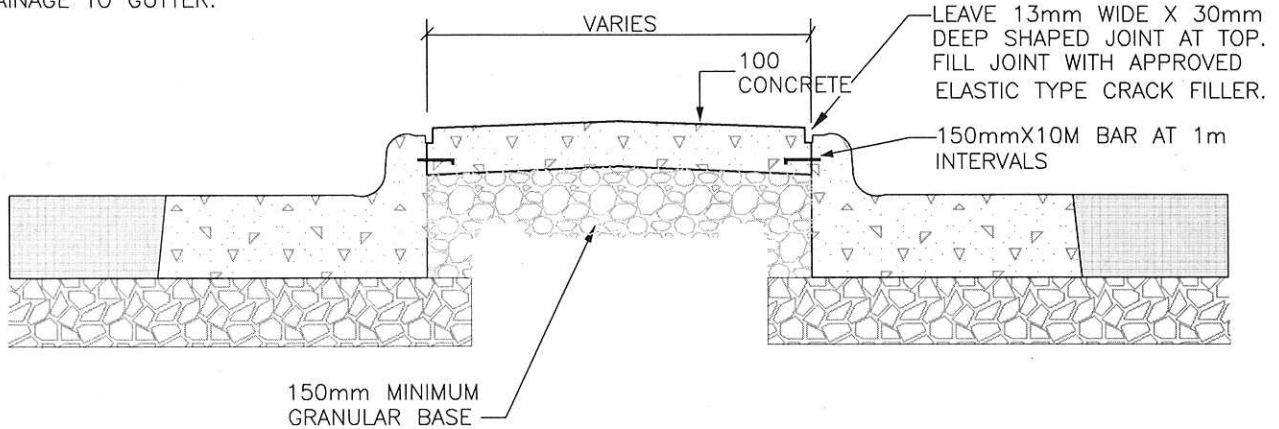
DRAWN: T. CRAWFORD	DATE: MARCH 6, 2006
CHECKED: J. MUSTARD	SCALE: NOT TO SCALE
APPROVED: J. MUSTARD	DRAWING No.: TN-08

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NOTE: MEDIANS AND ISLANDS
TO BE CROWNED OR SLOPED TO PROVIDE
DRAINAGE TO GUTTER.



SECTION A-A

THE CITY OF
SPRUCE GROVE

PLANNING AND INFRASTRUCTURE

REVISIONS

DATE	DETAILS	DRAWN
03/13	GRANULAR BASE	SW

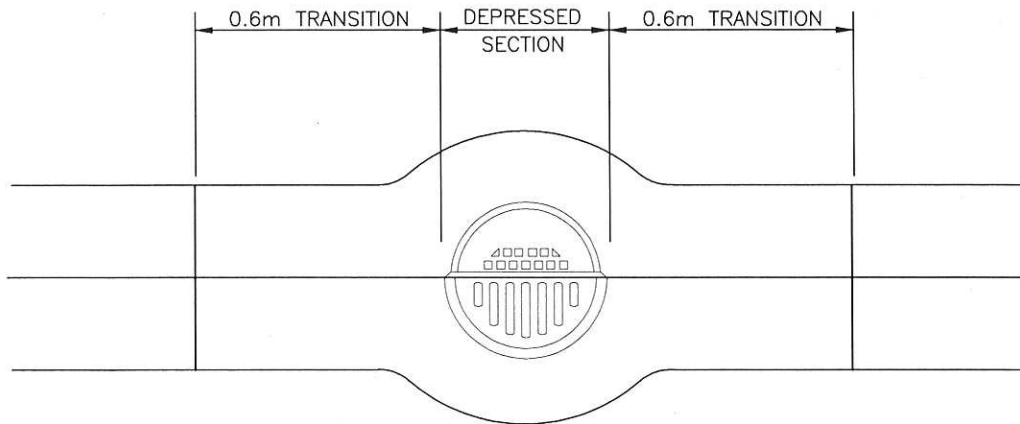
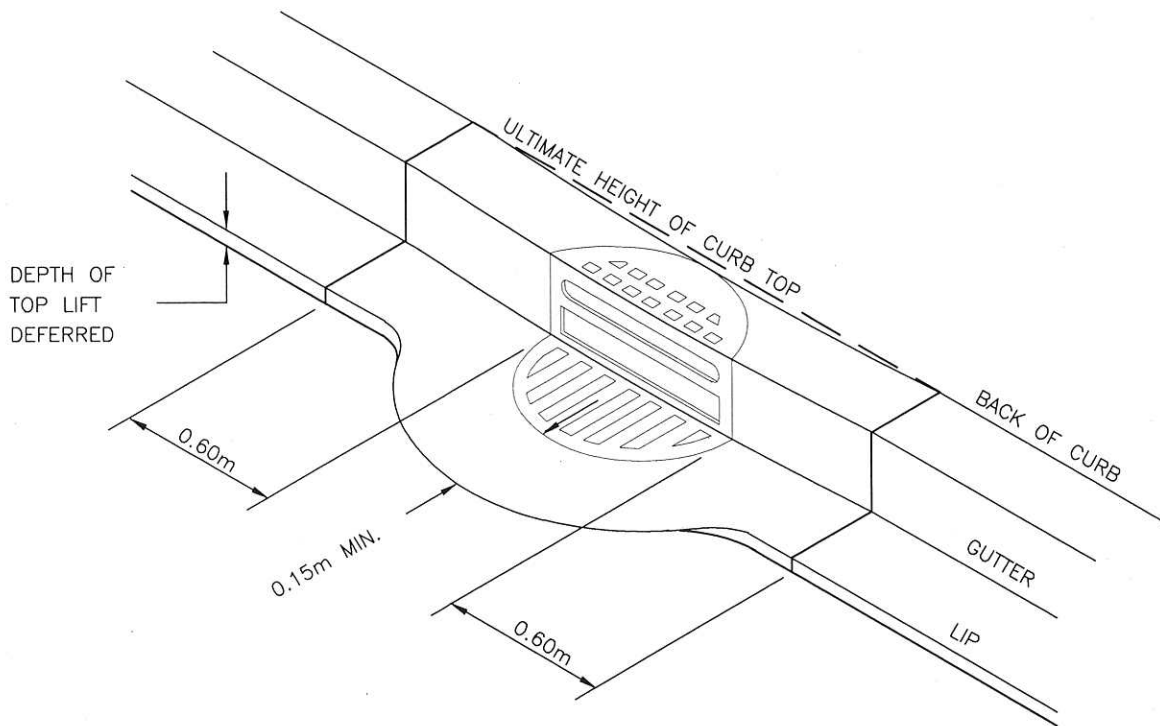
TYPICAL MEDIAN



DRAWN: T. CRAWFORD	DATE: MARCH 6, 2006
CHECKED: J. MUSTARD	SCALE: NOT TO SCALE
APPROVED: J. MUSTARD	DRAWING No.: TN-09

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PLAN VIEW

NOTES:

1. TYPICAL CURB & GUTTER TREATMENT AT CATCH BASIN WHEN ASPHALT TOP LIFT IS DEFERRED. LOCATION TO BE DETERMINED BY ENGINEER.

THE CITY OF
SPRUCE GROVE

PLANNING AND INFRASTRUCTURE

REVISIONS

DATE	DETAILS	DRAWN
4/12	Drawing Number	RP

DEPRESSED CURB & GUTTER



DRAWN: T. CRAWFORD

DATE: MARCH 6, 2006

CHECKED: J. MUSTARD

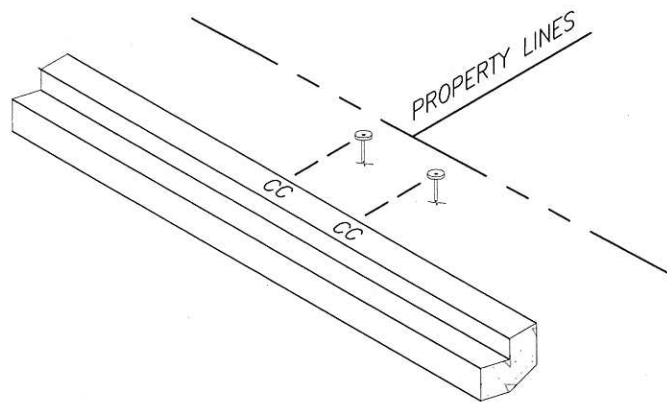
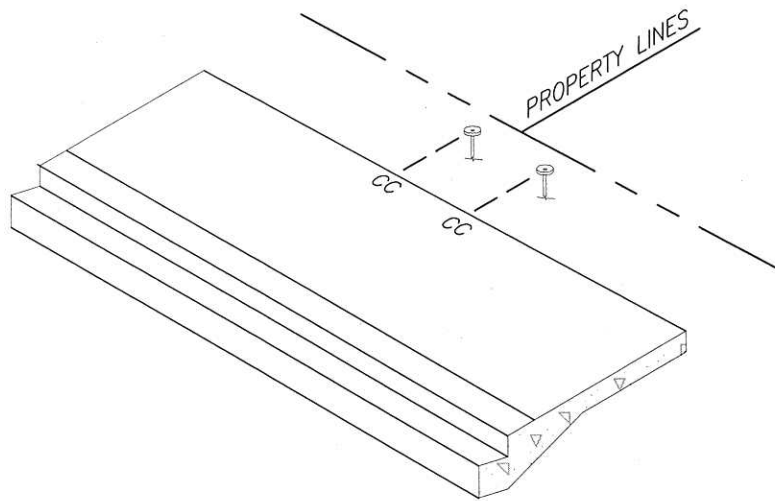
SCALE: NOT TO SCALE

APPROVED: J. MUSTARD

DRAWING No.: TN-10

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NOTE:

SERVICE BOXES SHALL BE SET VERTICAL - 150mm ABOVE THE SIDEWALK/CURB ELEVATION WHEN THE SERVICE BOX IS IN THE EXTENDED POSITION. AT THE TIME OF SIDEWALK/CURB CONSTRUCTION THE LETTERS "CC" SHALL BE NEATLY MARKED INTO THE MOIST CONCRETE DIRECTLY OPPOSITE EACH SERVICE BOX.

THE CITY OF
SPRUCE GROVE

PLANNING AND INFRASTRUCTURE

REVISIONS

DATE	DETAILS	DRAWN
4/12	Drawing Number	RP

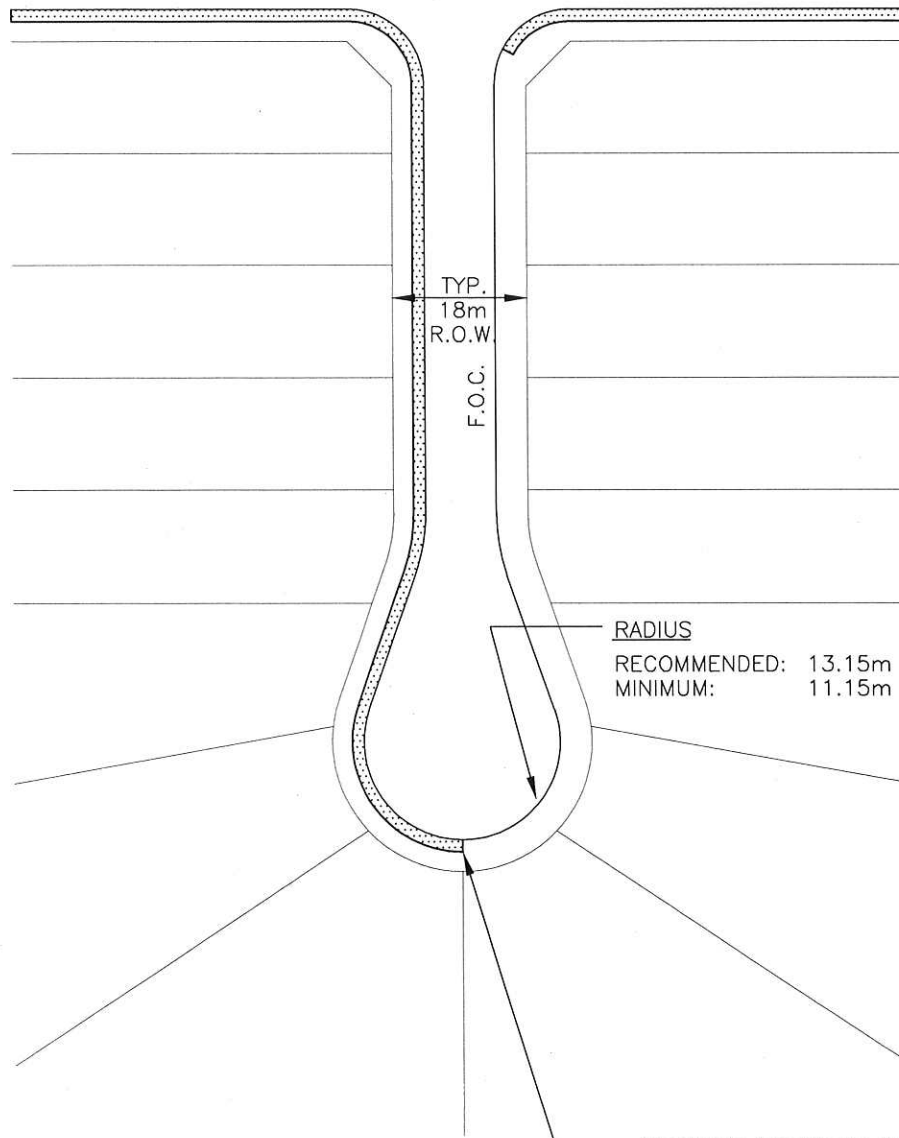
"CC" STAMP



DRAWN: T. CRAWFORD	DATE: MARCH 6, 2006
CHECKED: J. MUSTARD	SCALE: NOT TO SCALE
APPROVED: J. MUSTARD	DRAWING No.: TN-11

XREFS

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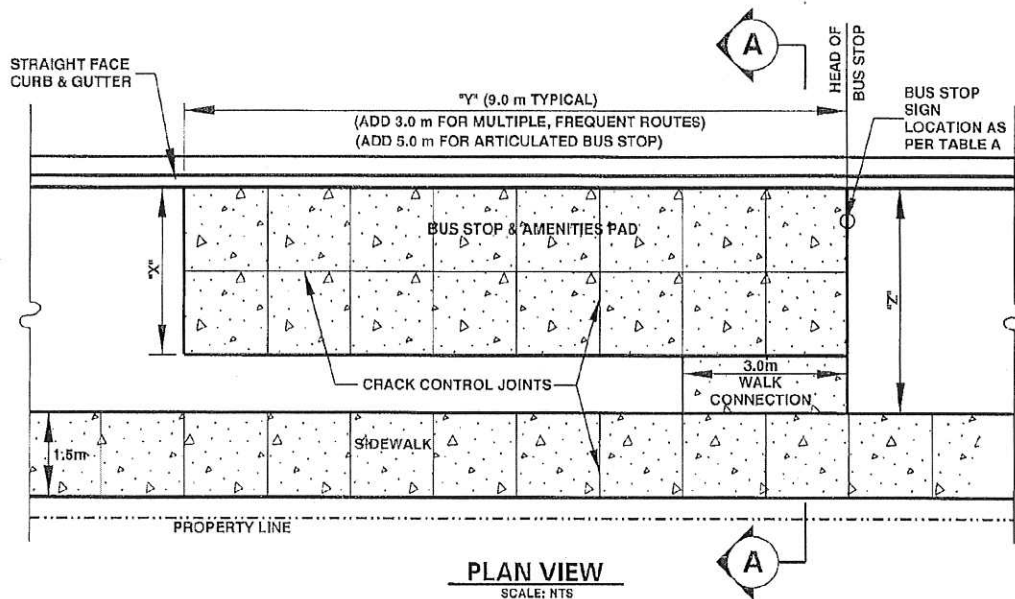
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THE CITY OF
SPRUCE GROVE

PLANNING AND INFRASTRUCTURE

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REVISIONS			TYPICAL CUL DE SAC		
DATE	DETAILS	DRAWN		DRAWN:	DATE:
4/12	Drawing Number	RP		T. CRAWFORD	MARCH 6, 2006
				CHECKED: J. MUSTARD	SCALE: NOT TO SCALE
				APPROVED: J. MUSTARD	DRAWING No.: TN-12

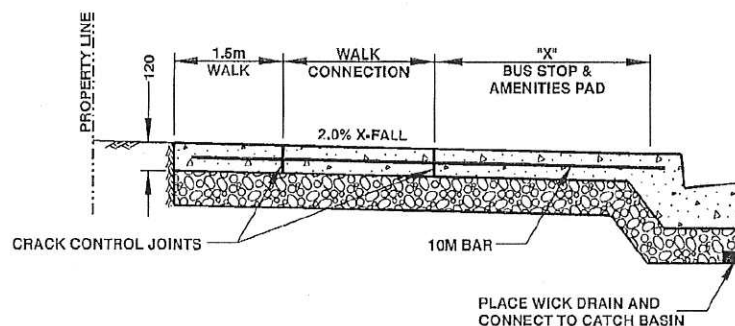


NOTES:

1. PROVIDE A BUS STOP & AMENITIES PAD WITH WIDTH "X" AND LENGTH "Y" IN ACCORDANCE WITH THE DRAWING NOTES AND TABLE A (SEE BELOW). PROVIDE APPROPRIATE CRACK CONTROL JOINTS THROUGHOUT.
2. IF REQUIRED PAD WIDTH "X" IS LESS THAN 1.0m FROM SIDEWALK, POUR THE CONCRETE PAD TO THE SIDEWALK. OTHERWISE, PROVIDE A 3.0m WIDE WALK CONNECTION AT THE HEAD OF THE PAD.

TABLE A. BUS STOP & AMENITIES PAD SIZE

CONDITION	DISTANCE "Z" TO SIDEWALK	REQUIRED PAD WIDTH "X" (m)	REQUIRED PAD LENGTH "Y" (m)	BUS STOP SIGN LOCATION
OVER-CONSTRAINED	$Z < 2.25\text{m}$	NOT PERMISSIBLE	NOT PERMISSIBLE	NOT PERMISSIBLE
CONSTRAINED	$2.25\text{m} \leq Z < 3.6\text{m}$	"X" = "Z"	12.0	3m BACK FROM HEAD
NOT CONSTRAINED	$3.6\text{m} \leq Z$	"X" = "Z" (MAX 4.1m)	9.0	HEAD OF PAD



SECTION A-A
SCALE: NTS

ALL DIMENSIONS
IN MILLIMETRES UNLESS
OTHERWISE NOTED

NOTES:

1. CEMENT STABILIZED SUBGRADE, and
2. 150mm MINIMUM GRANULAR BASE UNDER ALL CONCRETE

THE CITY OF
SPRUCE GROVE

PLANNING AND INFRASTRUCTURE

REVISIONS			TRANSIT STOP – SEP. WALK	
DATE	DETAILS	DRAWN		

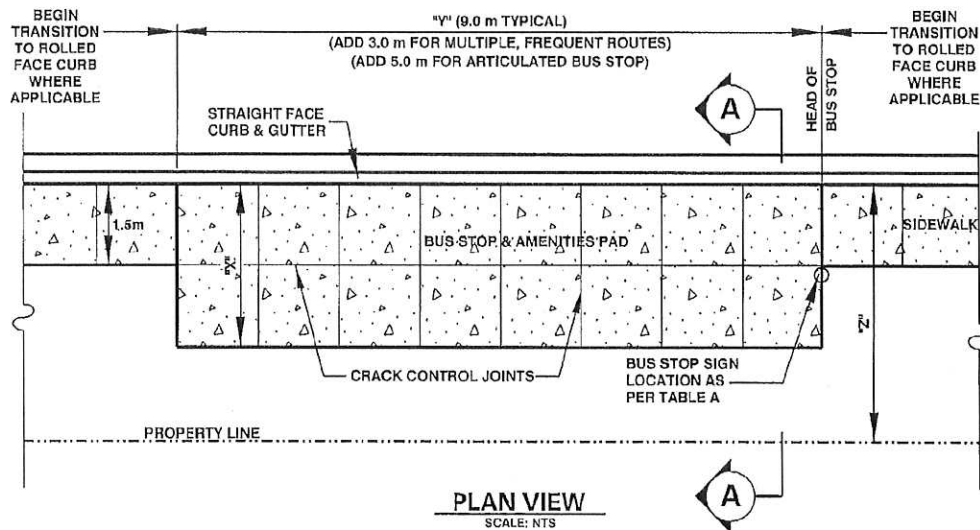


DRAWN: R. PEDLAR
CHECKED: J. MUSTARD
APPROVED: J. MUSTARD

DATE: FEBRUARY 1, 2013
SCALE: NOT TO SCALE
DRAWING No.: TN-13

XREFS

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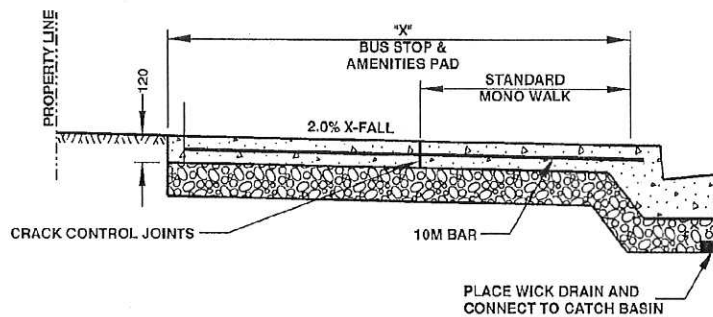


NOTES:

1. PROVIDE A BUS STOP & AMENITIES PAD WITH WIDTH "X" AND LENGTH "Y" IN ACCORDANCE WITH THE DRAWING NOTES AND TABLE A (SEE BELOW). PROVIDE APPROPRIATE CRACK CONTROL JOINTS THROUGHOUT.
2. MAINTAIN MIN. 0.3m CLEARANCE BETWEEN PROPERTY LINE AND AMENITIES PAD.

TABLE A - BUS STOP & AMENITIES PAD SIZE

CONDITION	DISTANCE "Z" TO PROPERTY LINE	REQUIRED PAD WIDTH "X" (m)	REQUIRED PAD LENGTH "Y" (m)	BUS STOP SIGN LOCATION BEHIND SIDEWALK
OVER-CONSTRAINED	"Z" < 2.8m	2.1m	9.0	HEAD OF PAD
CONSTRAINED	2.8m ≤ "Z" < 3.9m	"Z" ± 0.3m (MAX. 3.0m)	12.0	3m BACK FROM HEAD
NOT CONSTRAINED	"Z" ≥ 3.9m	"Z" ± 0.3m (MAX. 4.1m)	9.0	HEAD OF PAD



SECTION A-A

SCALE: NTS

ALL DIMENSIONS
IN MILLIMETRES UNLESS
OTHERWISE NOTED

NOTES:

1. CEMENT STABILIZED SUBGRADE, and
2. 150mm MINIMUM GRANULAR BASE UNDER ALL CONCRETE

THE CITY OF
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PLANNING AND INFRASTRUCTURE

REVISIONS

DATE	DETAILS	DRAWN

TRANSIT STOP – MONO WALK



DRAWN: R. PEDLAR
CHECKED: J. MUSTARD
APPROVED: J. MUSTARD

DATE: FEBRUARY 1, 2013
SCALE: NOT TO SCALE
DRAWING No.: TN-14

XREFS

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