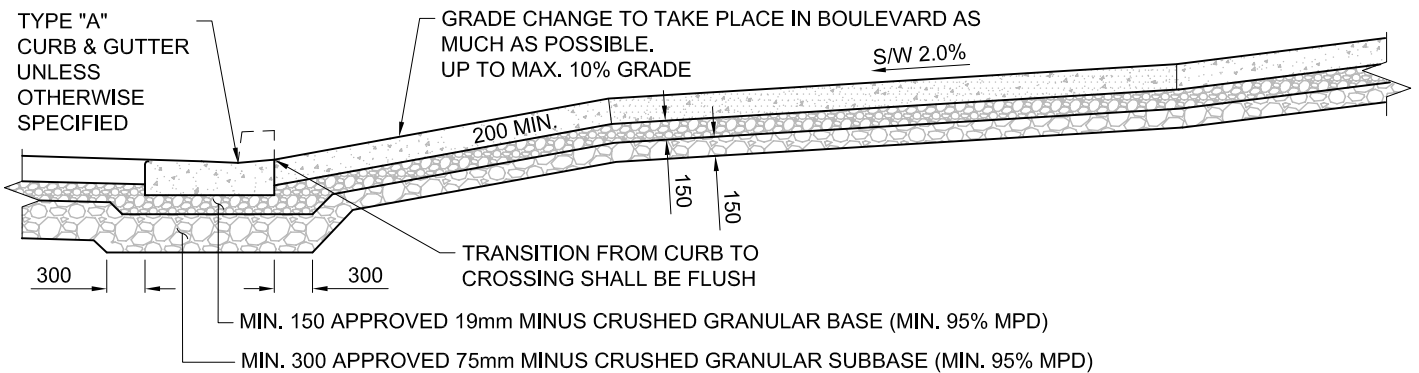
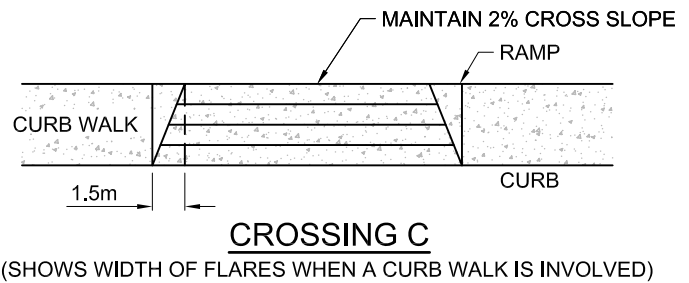


| GARAGE ENTRANCE | DISTANCE x | CROSSING TYPE |
|-----------------|-----------------|---------------|
| SINGLE | ANY DISTANCE | A |
| DOUBLE | 4.25m & GREATER | A |
| | LESS THAN 4.25m | B |
| TRIPLE | 6.70m & GREATER | A |
| | LESS THAN 6.70m | B |



NOTES:

1. CONTRACTOR SHALL ENSURE THAT CROSSING LAYOUT IS APPROVED BY CITY INSPECTORS PRIOR TO POURING OF CONCRETE.
2. CONCRETE MIXES AS PER DWG C7.2.
3. ARTIFICIAL TURF IS NOT A SUPPORTED TREATMENT ON PUBLIC PROPERTY.
4. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

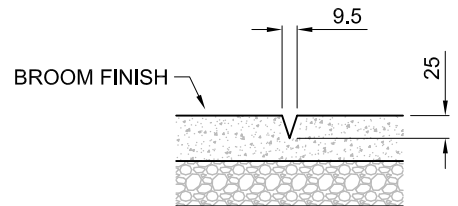
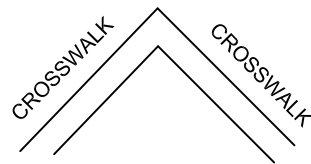
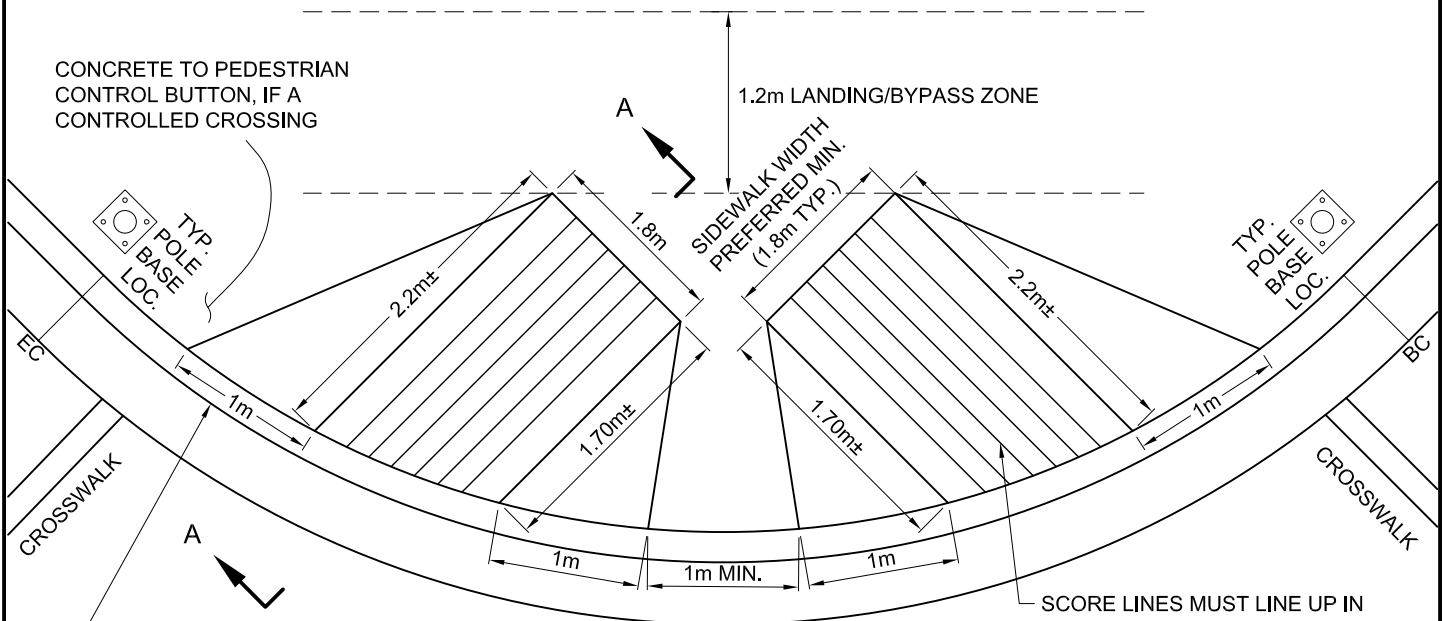
SCALE: N.T.S.

**DRIVEWAYS
RESIDENTIAL DRIVEWAY CROSSING**

ISSUE DATE: SEPTEMBER 2018
APPROVED BY: J. LEE

| REV. | REVISION DATE | APPROVED |
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PATH: \\comp\mch\hamey\cm\proj\2111-Engineering\Proj\2111-03381-00_van - cdb\infrastructure\10.0_drawings\10.3_engineering\10.3.1_misc\COV_STANDARD_CONCRETE & MISCELLANEOUS_DETAILS.dwg



TYPICAL TROWEL SCORE MARK DETAIL

RAMP THICKNESS SHALL TAPER FROM 200mm BACK OF CURB TO 100mm BACK OF RAMP

1.2m LANDING/BYPASS, AS SITE CONDITIONS PERMIT.

TRANSITION FROM CURB TO RAMP SHALL BE FLUSH

2.0m TYP.(±0.5m)

100mm THICK P.C. CONCRETE SIDEWALK.

CURB & GUTTER DWG C4.1 OR OTHERWISE SPECIFIED

7.1% ± 1.2%

NOTE: MAX. RISE 10mm FROM GUTTER LINE TO BACK OF CURB

COMPACT TO MIN. 95% MODIFIED PROCTOR DENSITY AS PER SECTION 31 23 01 OF THE SUPPLEMENTARY MMCD.

100mm DEPTH APPROVED 19mm MINUS CRUSHED GRANULAR BASE (150mm UNDER CURB, SIMILAR TO C7.1 & C7.2)

**SECTION A-A
CURB RAMP**

NOTES:

- STANDARD RAMP LENGTH : 2.0m TYP.(±) AT CENTRE OF RAMP.
- RECOMMENDED RAMP SLOPE: 7.1% ± 1.2%.
- MAX. SLOPE 8.3% (1:12) WHERE TOPOGRAPHY PERMITS.
- ADJUST LENGTH OF RAMP AS REQUIRED.
- WHEN SITE CONDITIONS DO NOT PERMIT TYPICAL LAYOUT, CONTACT CITY ENGINEER FOR APPROVAL OF DESIGN.
- ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

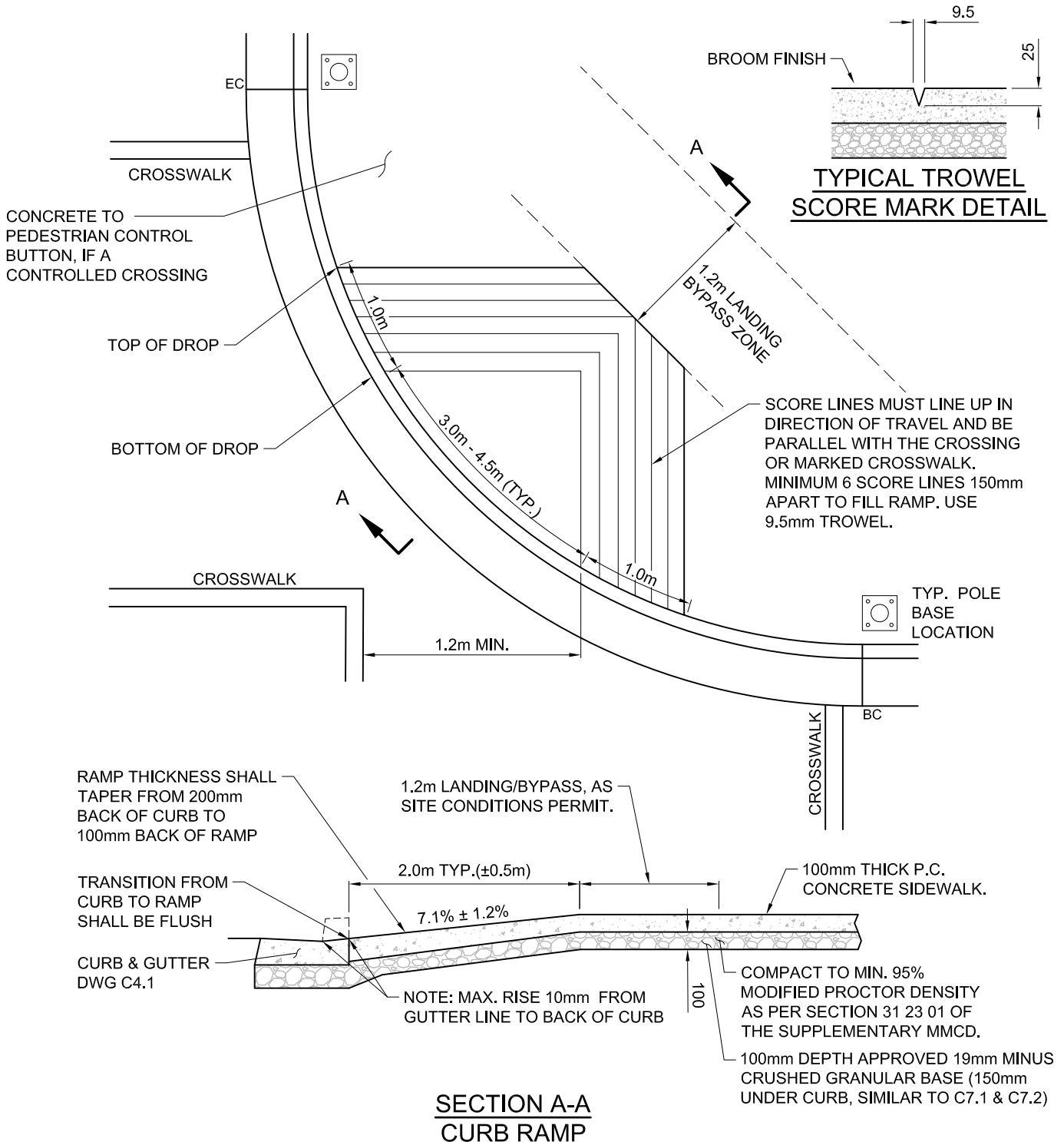
SCALE: N.T.S.

**CURB RAMPS
DOUBLE CURB RAMP (PREFERRED)**

ISSUE DATE: SEPTEMBER 2018

APPROVED BY: J. LEE

| REV. | REVISION DATE | APPROVED |
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NOTES:

1. STANDARD RAMP LENGTH : 2.0m TYP.(±) AT CENTRE OF RAMP.
2. RECOMMENDED RAMP SLOPE: 7.1% ± 1.2%.
3. MAX. SLOPE 8.3% (1:12) WHERE TOPOGRAPHY PERMITS.
4. ADJUST LENGTH OF RAMP AS REQUIRED.
5. WHEN SITE CONDITIONS DO NOT PERMIT TYPICAL LAYOUT, CONTACT CITY ENGINEER FOR APPROVAL OF DESIGN.
6. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

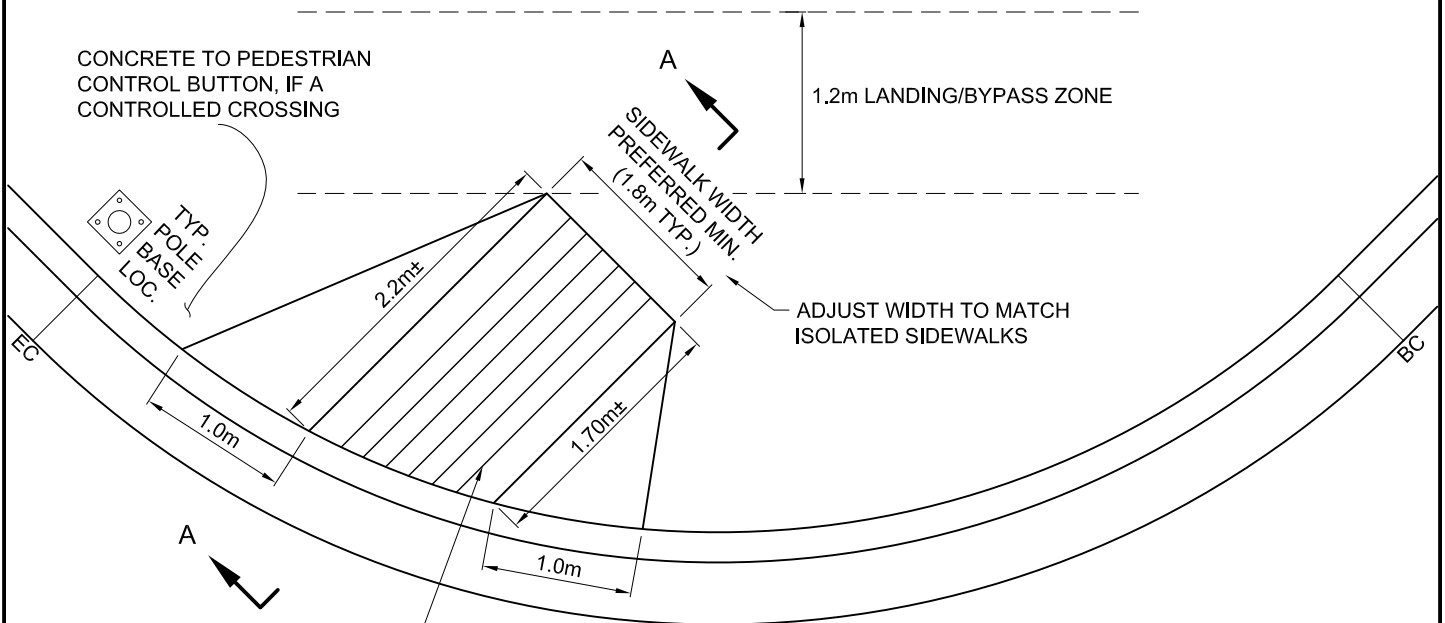
SCALE: N.T.S.

**CURB RAMPS
LARGE SINGLE CURB RAMP**

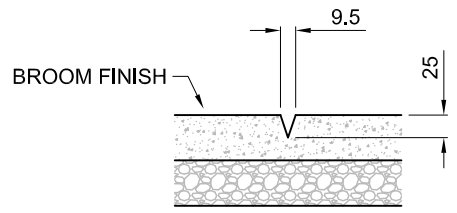
ISSUE DATE: SEPTEMBER 2018

APPROVED BY: J. LEE

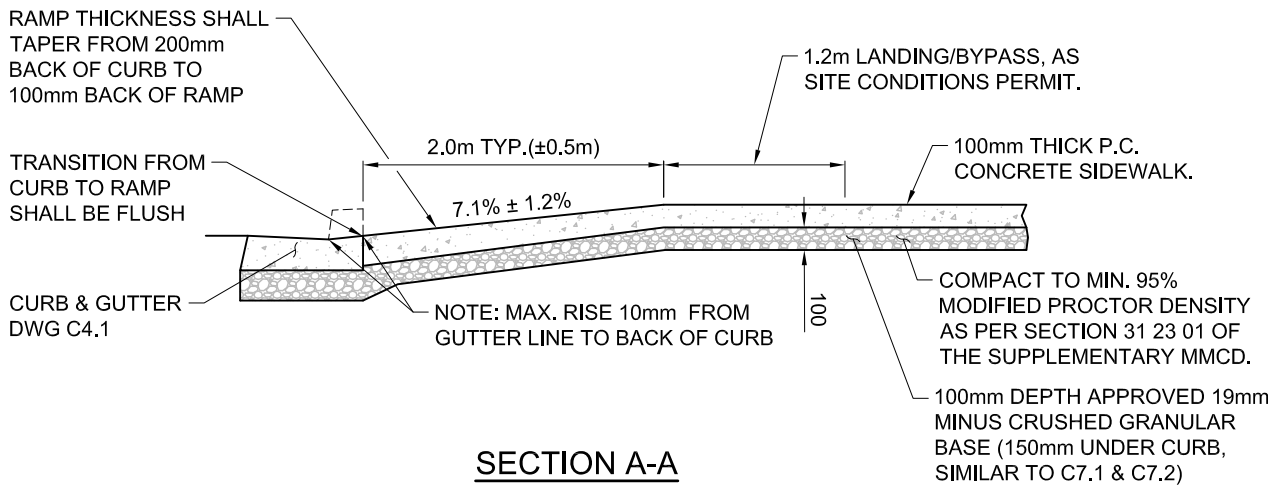
| REV. | REVISION DATE | APPROVED |
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SCORE LINES MUST LINE UP IN DIRECTION OF TRAVEL AND BE PARALLEL WITH THE CROSSING OR MARKED CROSSWALK. MINIMUM 6 SCORE LINES 150mm APART TO FILL RAMP. USE 9.5mm TROWEL.



TYPICAL TROWEL SCORE MARK DETAIL



SECTION A-A CURB RAMP

NOTES:

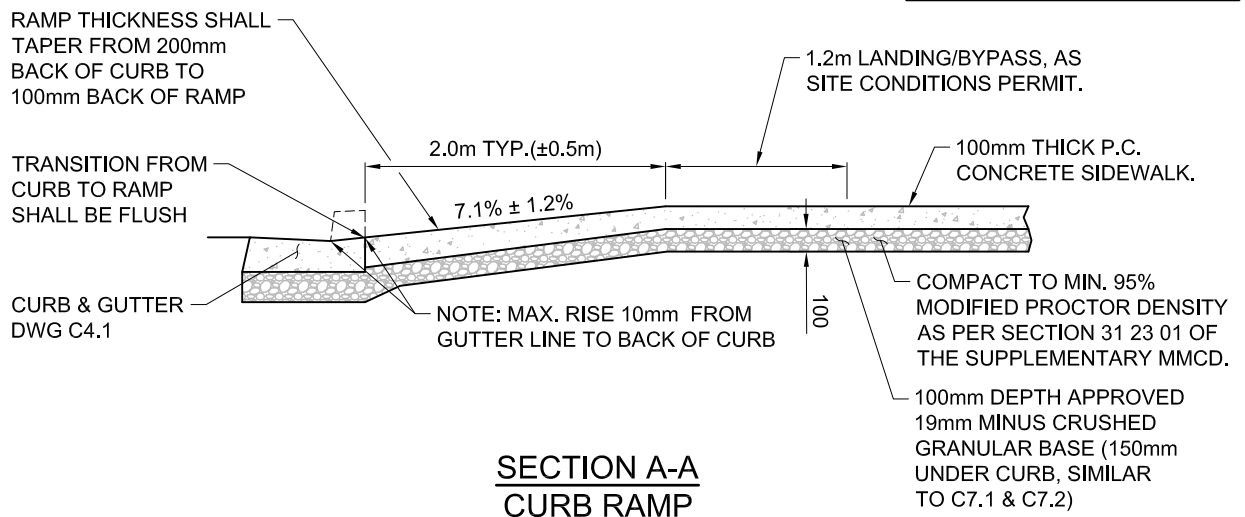
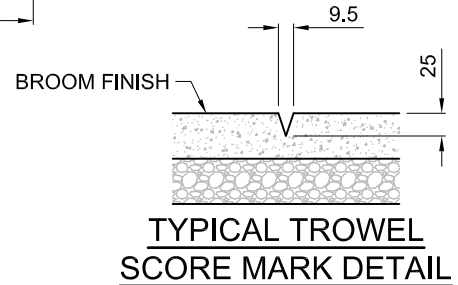
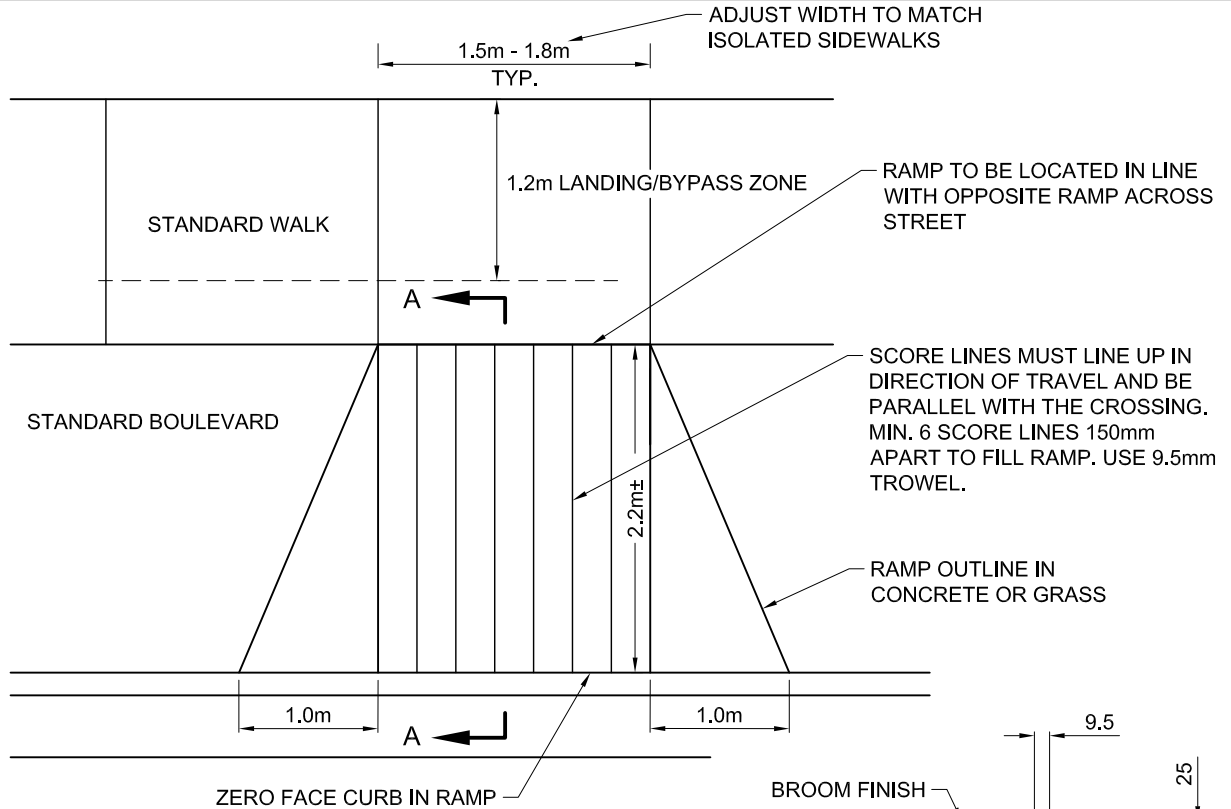
1. STANDARD RAMP LENGTH : 2.0m TYP.(±) AT CENTRE OF RAMP.
2. RECOMMENDED RAMP SLOPE: 7.1% ± 1.2%.
3. MAX. SLOPE 8.3% (1:12) WHERE TOPOGRAPHY PERMITS.
4. ADJUST LENGTH OF RAMP AS REQUIRED.
5. WHEN SITE CONDITIONS DO NOT PERMIT TYPICAL LAYOUT, CONTACT CITY ENGINEER FOR APPROVAL OF DESIGN.
6. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

SCALE: N.T.S.

**CURB RAMPS
SINGLE CURB RAMP**

ISSUE DATE: SEPTEMBER 2018
APPROVED BY: J. LEE

| REV. | REVISION DATE | APPROVED |
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NOTES:

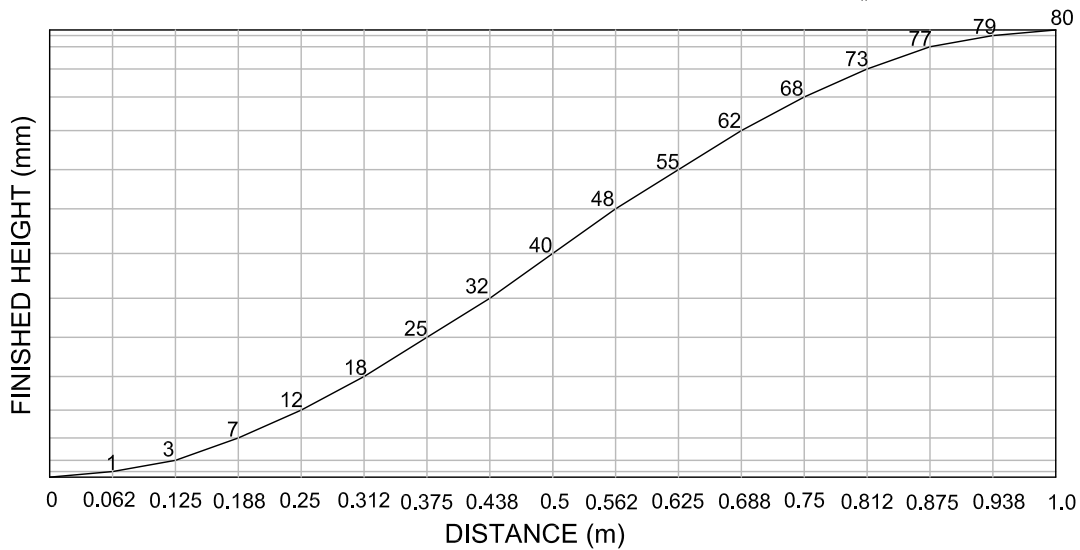
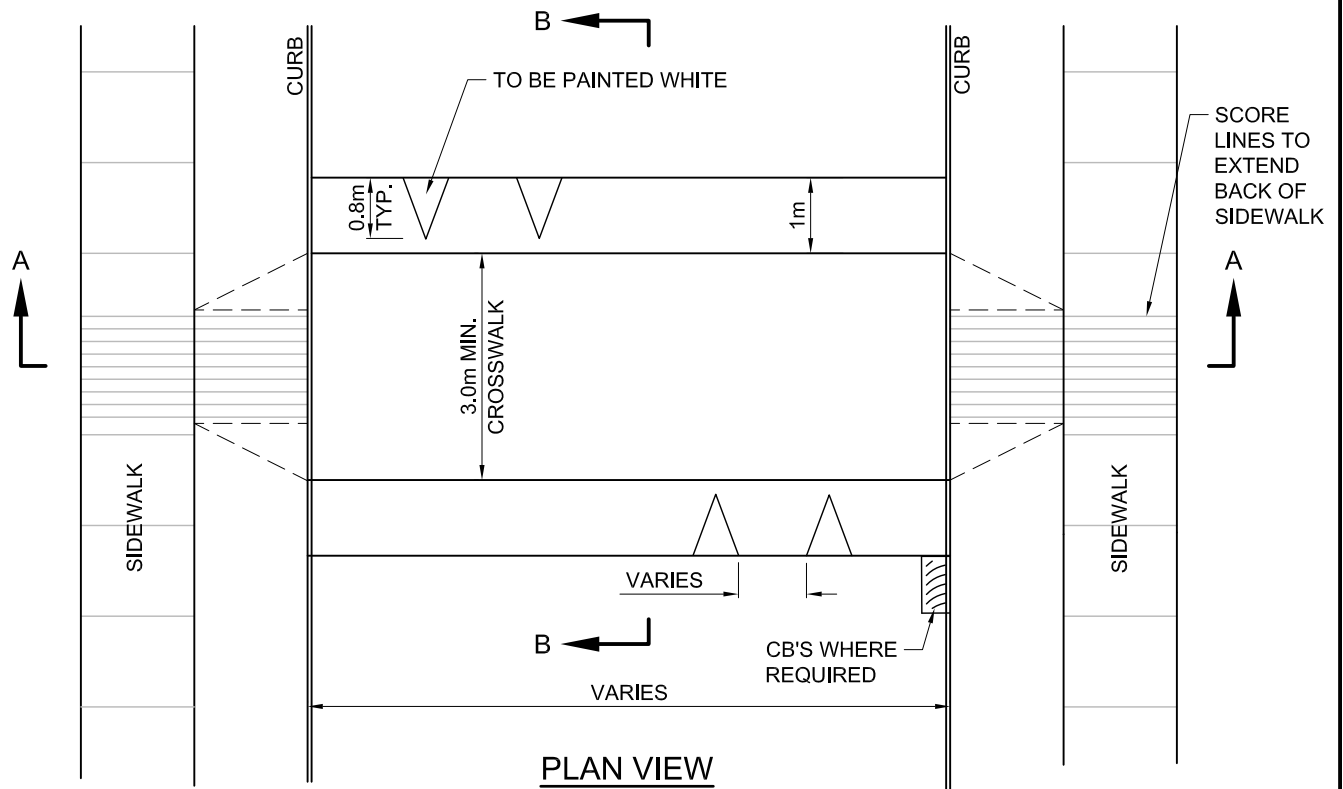
1. STANDARD RAMP LENGTH : 2.0m TYP.(±) AT CENTRE OF RAMP.
2. RECOMMENDED RAMP SLOPE: 7.1% ± 1.2%.
3. MAX. SLOPE 8.3% (1:12) WHERE TOPOGRAPHY PERMITS.
4. ADJUST LENGTH OF RAMP AS REQUIRED.
5. WHEN SITE CONDITIONS DO NOT PERMIT TYPICAL LAYOUT, CONTACT CITY ENGINEER FOR APPROVAL OF DESIGN.
6. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

SCALE: N.T.S.

**CURB RAMPS
T-INTERSECTION CURB RAMP**

ISSUE DATE: SEPTEMBER 2018
APPROVED BY: J. LEE

| REV. | REVISION DATE | APPROVED |
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| | | |



| DISTANCE (m) | 0 | 0.062 | 0.125 | 0.188 | 0.25 | 0.312 | 0.375 | 0.438 | 0.5 | 0.562 | 0.625 | 0.688 | 0.75 | 0.812 | 0.875 | 0.938 | 1 |
|----------------------|---|-------|-------|-------|------|-------|-------|-------|-----|-------|-------|-------|------|-------|-------|-------|----|
| FINISHED HEIGHT (mm) | 0 | 1 | 3 | 7 | 12 | 18 | 25 | 32 | 40 | 48 | 55 | 62 | 68 | 73 | 77 | 79 | 80 |

SINUSOIDIAL SPEED HUMP DEVELOPMENT

NOTES:

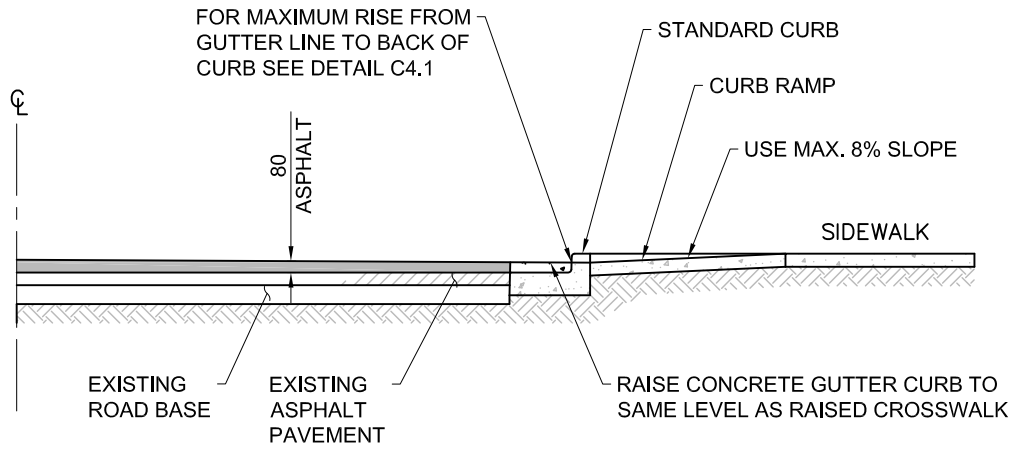
1. INSTALL ZEBRA PAVEMENT MARKINGS ON RAISED CROSSWALK INVOLVING SCHOOL CHILDREN, ELDERLY, DISABLED, MID-BLOCK CROSSWALKS, CROSSING OF RIGHT TURN CHANNELS, AND/OR SPECIAL CROSSWALKS.
2. SEE DRAWING C17.2 FOR SECTION.
3. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

SCALE: N.T.S.

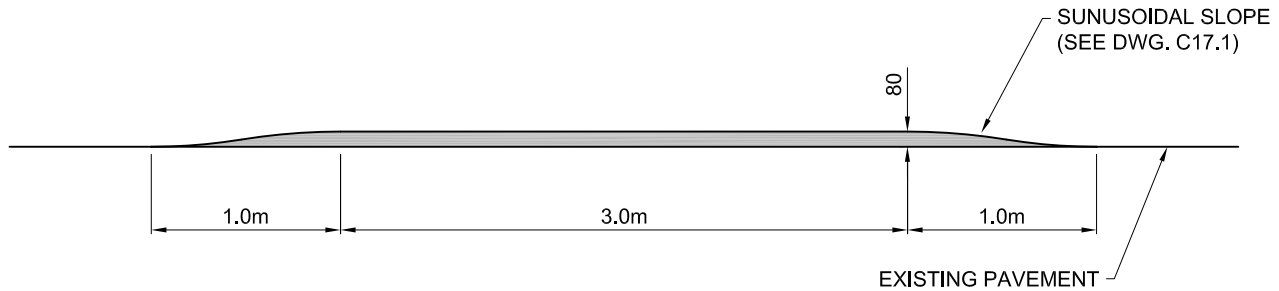
**TRAFFIC CALMING
RAISED CROSSWALK (80mm) - PLAN**

ISSUE DATE: SEPTEMBER 2018
APPROVED BY: J. LEE

| REV. | REVISION DATE | APPROVED |
|------|---------------|----------|
| | | |



SECTION A-A
c/w CURB RAMP



SECTION B-B

NOTES:

1. SEE DRAWING C17.1 FOR PLAN & PROFILE.
2. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

SCALE: N.T.S.

| REV. | REVISION DATE | APPROVED |
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**TRAFFIC CALMING
RAISED CROSSWALK (80mm) - SECTIONS**

ISSUE DATE: SEPTEMBER 2018
APPROVED BY: J. LEE