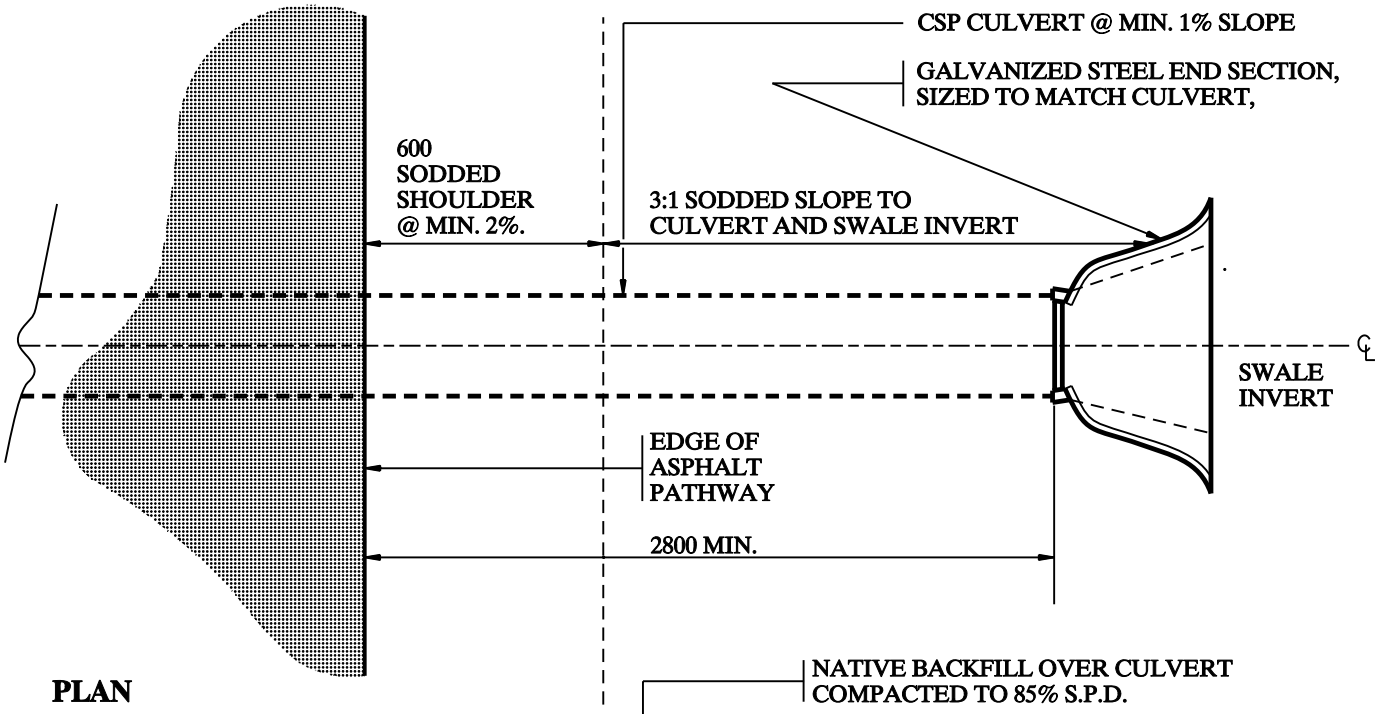
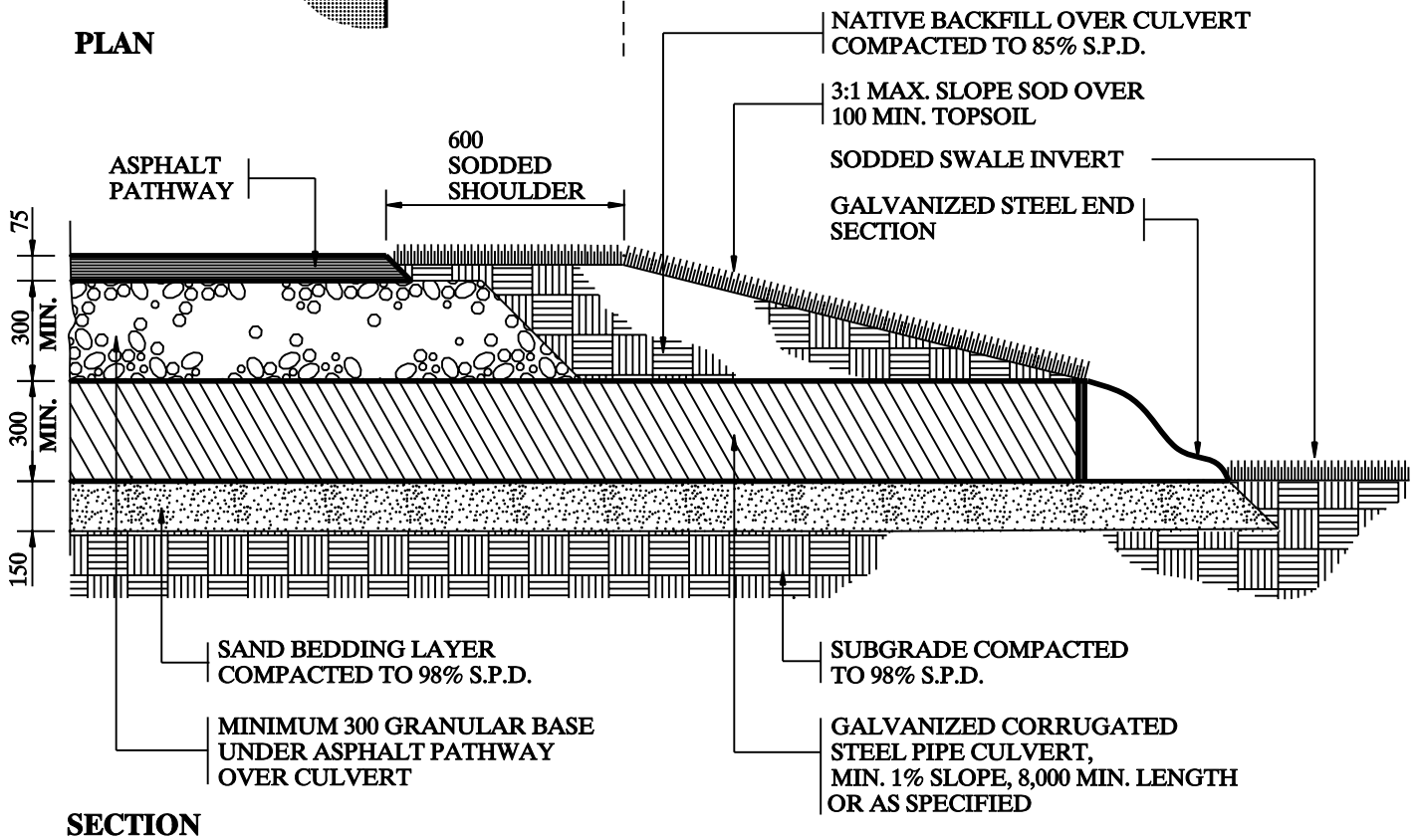


PLAN



SECTION

NOTES:

1. CORRUGATED STEEL PIPE CULVERT SHALL BE GALVANIZED, 1.6mm THICK, COMPLETE WITH PREFABRICATED GALVANIZED STEEL END SECTIONS, WITH COLLAR BOLTS, BURIED BELOW GRADE
2. CULVERT TO BE 300 O.D. MINIMUM SIZE, OR AS SPECIFIED
3. INVERT ELEVATIONS OF CULVERTS MUST MATCH ELEVATIONS OF SWALE CENTER
4. ALL DIMENSIONS ARE IN MILLIMETRERS UNLESS STATED OTHERWISE

FLOWER CITY BRAMPTON CA

PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: **PATHWAY CULVERT (PLAN & SECTION)**

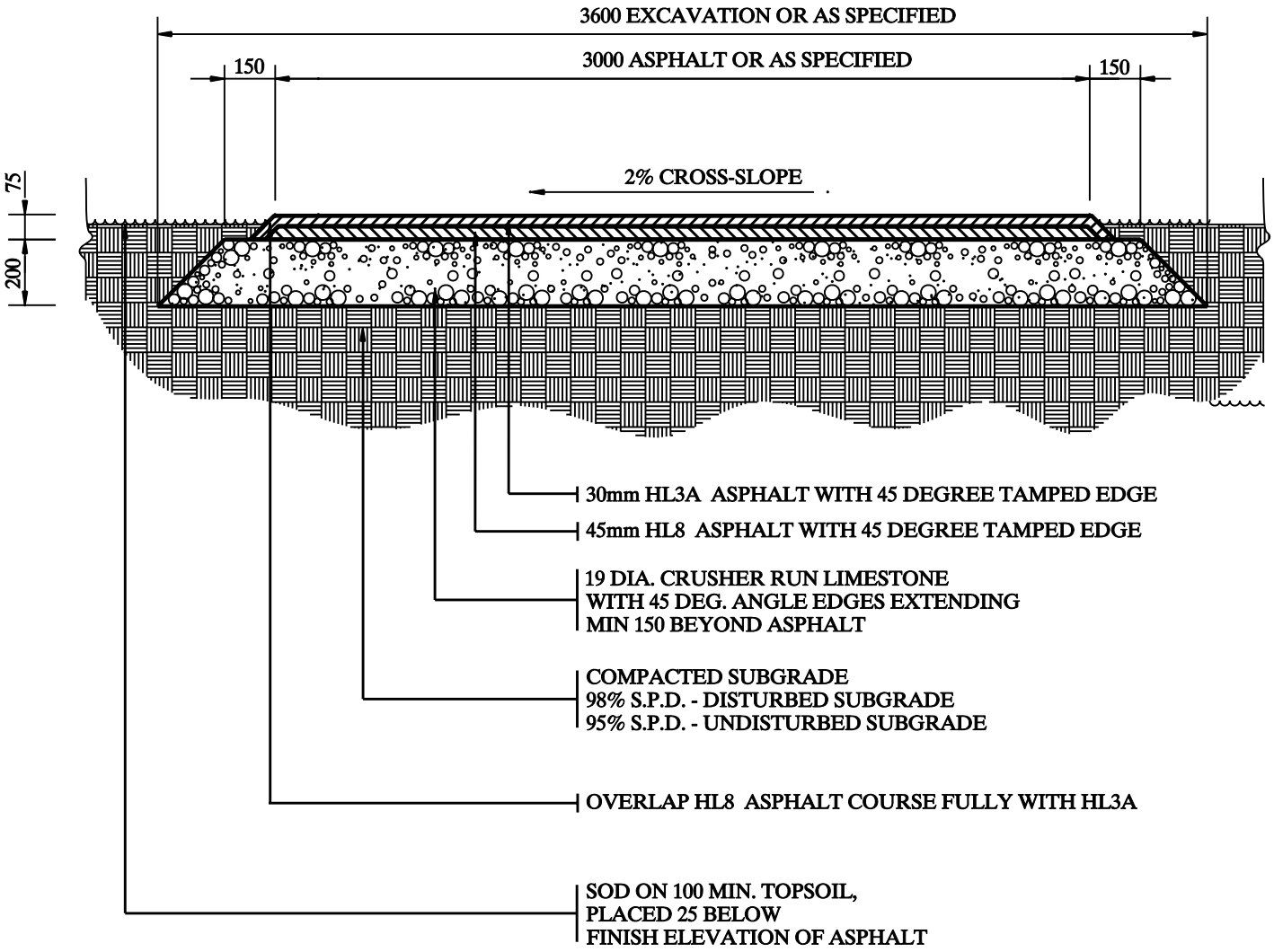
DRAWING NO. **PDD 510**

REVIEWED BY:

APPROVED BY:

SCALE: N.T.S.

DATE: JANUARY 2007



NOTES:

EXCAVATION: 275 MINIMUM DEPTH, OR AS REQUIRED. CONTRACTOR SHALL CONTACT THE CITY IMMEDIATELY IF UNSUITABLE OR UNSTABLE SUBGRADE IS ENCOUNTERED, SUCH AS EXCESSIVE TOPSOIL, SOFT SPOTS, AND/OR ORGANIC MATTER. METHODS AND/OR MATERIAL MUST BE APPROVED BY THE CITY PRIOR TO COMMENCING WITH WORK. SUBGRADE TO BE CONSOLIDATED AND TESTED TO 98% S.P.D. MIN. REMOVE EXCESS MATERIAL OFF SITE UNLESS OTHERWISE DIRECTED BY THE CITY.

GRANULAR BASE: 200 MIN. LAYER OF 19 CRUSHER RUN COMPACTED TO 98% STANDARD PROCTOR DENSITY MIN.

ASPHALT: 30 COMPACTED DEPTH OF HOT MIX HL3A ASPHALTIC CONCRETE ON 45 DEPTH OF HL8 ASPHALTIC CONCRETE.

EDGE TREATMENT: ASPHALT EDGE TO BE 45 DEGREES, TAMPED TO FORM UNIFORMLY, SMOOTH, CLEAN EDGES, WITHOUT LATERAL DEVIATIONS. SOD TO MEET AND MATCH EXISTING GRADES, WITH SMOOTH TRANSITIONS AT A MAXIMUM SLOPE OF 4:1. ALL SEEDED AND/OR SODDED AREAS SHALL BE 25 BELOW THE FINISH ELEVATION OF ASPHALT. REMOVE EXCESS TOPSOIL AND SOD AS DIRECTED.

DRAINAGE: GRADE WALKWAY WITH A 2% CROSS-SLOPE OR AS DIRECTED ON SITE.
PONDING WATER ON ASPHALT WALKWAYS WILL NOT BE ACCEPTED.

SODDING: ALL DISTURBED AREAS SHALL BE SODDED (AND/OR SEEDED) OVER 100 TOPSOIL (LIGHTLY COMPACTED), MINIMUM WIDTH OF 900 mm. REFER TO PLAN.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

FLOWER CITY
BRAMPTON.CA

PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: TYPICAL ASPHALT PATHWAY (3.0 M WIDE)

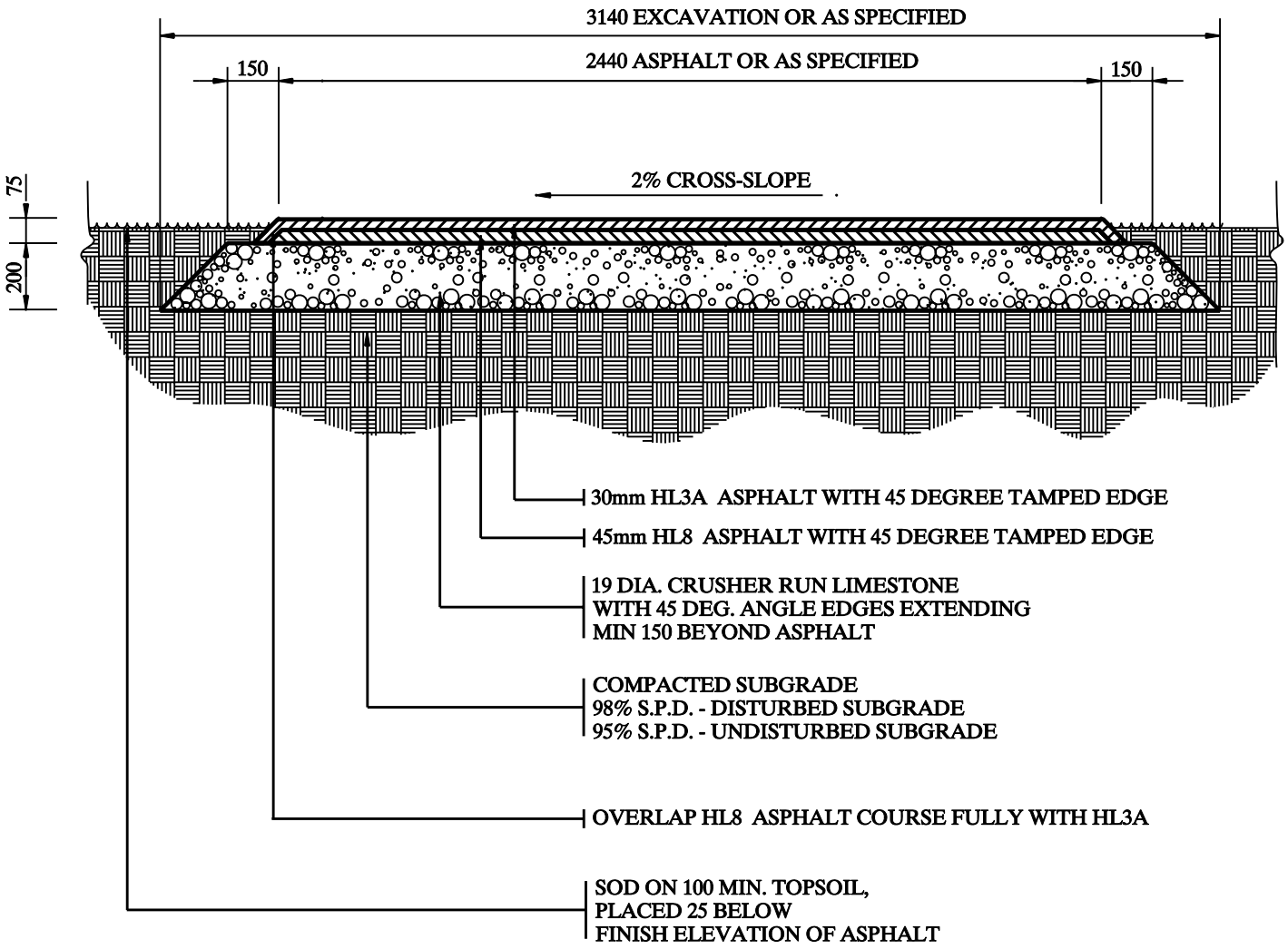
DRAWING NO. PDD 511

REVIEWED BY: SH

APPROVED BY:

SCALE: N.T.S.

DATE: JANUARY 2007



NOTES:

EXCAVATION: 275 MINIMUM DEPTH, OR AS REQUIRED. CONTRACTOR SHALL CONTACT THE CITY IMMEDIATELY IF UNSUITABLE OR UNSTABLE SUBGRADE IS ENCOUNTERED, SUCH AS EXCESSIVE TOPSOIL, SOFT SPOTS, AND/OR ORGANIC MATTER. METHODS AND/OR MATERIAL MUST BE APPROVED BY THE CITY PRIOR TO COMMENCING WITH WORK. SUBGRADE TO BE CONSOLIDATED AND TESTED TO 98% S.P.D. MIN. REMOVE EXCESS MATERIAL OFF SITE UNLESS OTHERWISE DIRECTED BY THE CITY.

GRANULAR BASE: 200 MIN. LAYER OF 19 CRUSHER RUN COMPACTED TO 98% STANDARD PROCTOR DENSITY MIN.

ASPHALT: 30 COMPACTED DEPTH OF HOT MIX HL3A ASPHALTIC CONCRETE ON 45 DEPTH OF HL8 ASPHALTIC CONCRETE.

EDGE TREATMENT: ASPHALT EDGE TO BE 45 DEGREES, TAMPED TO FORM UNIFORMLY, SMOOTH, CLEAN EDGES, WITHOUT LATERAL DEVIATIONS. SOD TO MEET AND MATCH EXISTING GRADES, WITH SMOOTH TRANSITIONS AT A MAXIMUM SLOPE OF 4:1. ALL SEEDED AND/OR SODDED AREAS SHALL BE 25 BELOW THE FINISH ELEVATION OF ASPHALT. REMOVE EXCESS TOPSOIL AND SOD AS DIRECTED.

DRAINAGE: GRADE WALKWAY WITH A 2% CROSS-SLOPE OR AS DIRECTED ON SITE.
PONDING WATER ON ASPHALT WALKWAYS WILL NOT BE ACCEPTED.

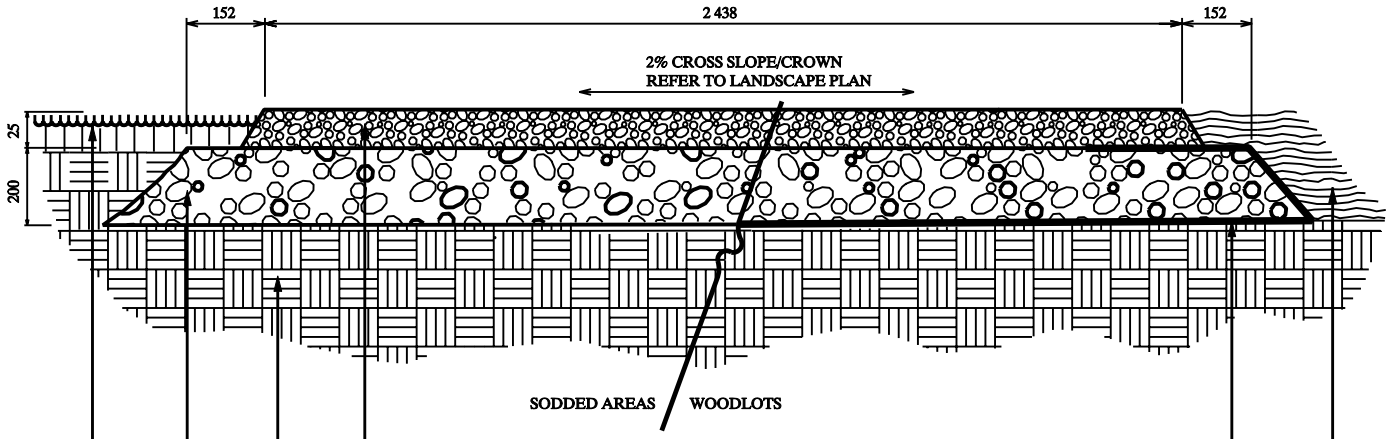
SODDING: ALL DISTURBED AREAS SHALL BE SODDED (AND/OR SEEDED) OVER 100 TOPSOIL (LIGHTLY COMPACTED), MINIMUM WIDTH OF 900 mm. REFER TO PLAN.

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.

FLOWER CITY
BRAMPTON.CA

PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: **TYPICAL ASPHALT PATHWAY (2.4 M WIDE)**		DRAWING NO. **PDD 512**
REVIEWED BY:	SCALE: **N.T.S.**	
APPROVED BY:	DATE: **JANUARY 2007**	



25 MM DEPTH LIMESTONE SCREEN PATHWAY SURFACE
REFER TO NOTE #3 FOR COMPACTION SPECIFICATIONS.

EXISTING SUBGRADE. RESTORE DISTURBED AREAS
TO AVOID EXCESSIVE SETTLEMENT.

200 MM. DEPTH - 19 MM. DIA. CRUSHER RUN LIMESTONE
BASE. COMPACTED TO 85% S.P.D. REFER TO NOTE #3.

ALL DISTURBED TURFED AREAS ADJACENT TO
PATHWAY SHALL BE TOPSOILED AND RE-SODDED.
PLACE SOD 25 MM BELOW FINISH GRADE OF PATHWAY.

THROUGH WOODLOTS PROVIDE TERRAFIX 270R FILTER
FABRIC OR APPROVED ALTERNATE. INSTALL OVER
EXISTING SUBGRADE AS SHOWN, WRAPPING AROUND
SIDES OF GRANULAR BASE.

IN WOODLOTS, ALL DISTURBED AREAS ADJACENT TO
PATHWAY SHALL BE RESTORED WITH SHREDDED BARK
MULCH (CANADA RED OR GRO BARK) 700-1000 MM WIDE STRIP
CONTINUOUS ALONG EDGE OF LIMESTONE SCREENINGS
PATHWAY TO A DEPTH OF 100.

NOTES:

1. LAYOUT MUST BE APPROVED BY THE CITY PRIOR TO EXCAVATION IN SODDED AREAS. ARRANGE FOR INSPECTION OF EXCAVATION PRIOR TO PLACEMENT OF AGGREGATE.
2. DO NOT EXCAVATE FOR GRANULAR BASE IN WOODLOTS; PROVIDE MINIMAL GRADING ONLY, PRIOR TO PLACING FILTER FABRIC.
3. COMPACT GRANULAR BASE AND LIMESTONE SCREENINGS TO 85% S.P.D (MIN). AREA USING A DUAL DRUM WALK-BEHIND COMPACTOR (MIN).
4. ENSURE THAT PATHWAY GRADES AND CROSS SLOPE MEET AND MATCH NATURAL DRAINAGE PATTERNS.
5. GALVANIZED CSP CULVERTS TO BE INSTALLED IN ALL LOW AREAS, AS PER LAYOUT AND GRADING PLAN(S), REFER TO DWG. NO. 510 FOR DETAILS.
6. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS STATED OTHERWISE

FLOWER CITY
BRAMPTON.CA

PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: **LIMESTONE SCREENINGS PATHWAY (THROUGH SODDED AREAS AND WOODLOTS)**

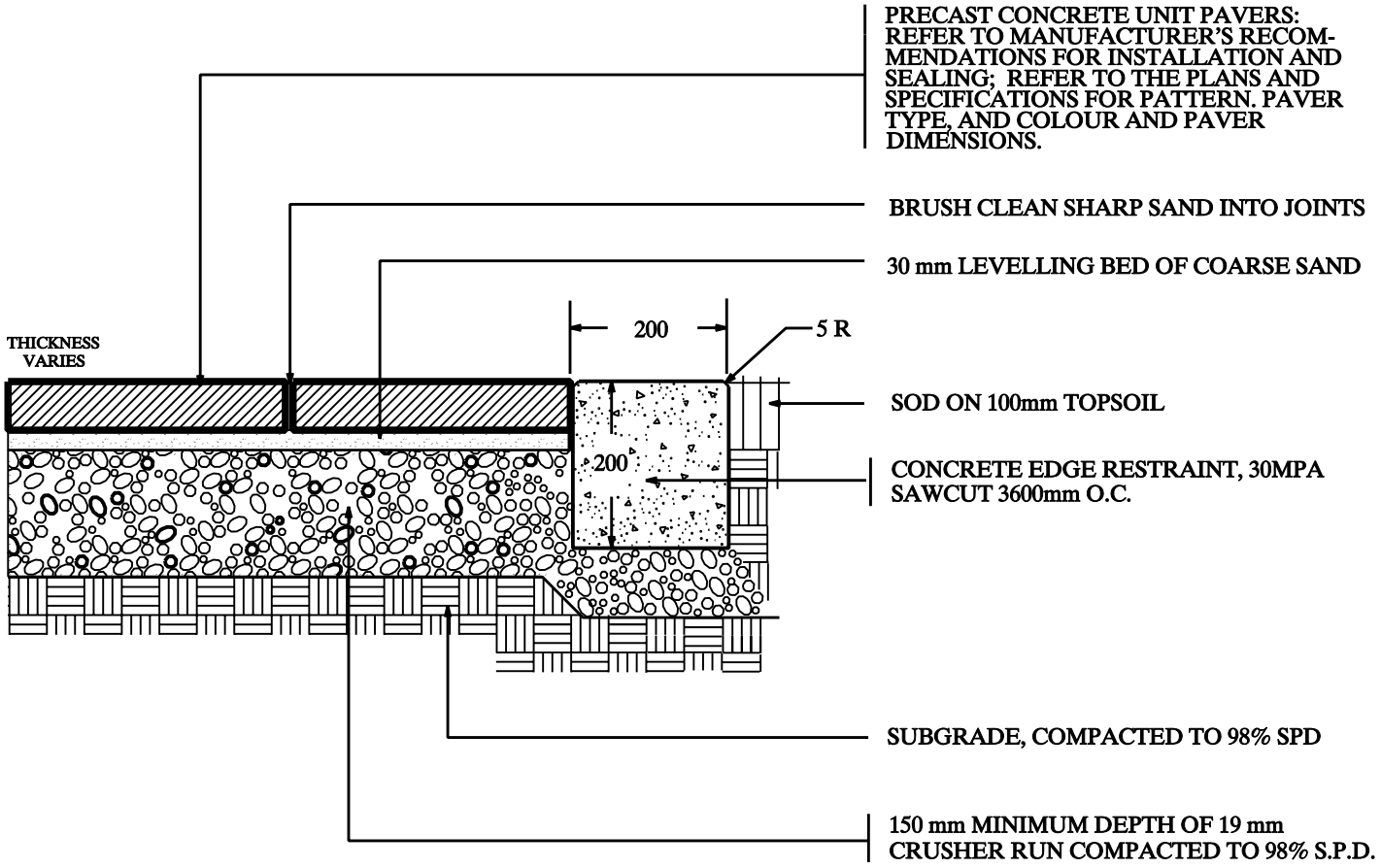
DRAWING NO. PDD **513**

REVIEWED BY:

APPROVED BY:

SCALE: **N.T.S.**

DATE: **JANUARY 2007**



WORKMANSHIP

PAVERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WITH TIGHT BUTT JOINTS OF APPROXIMATELY 3 mm, ON A SAND BASE. SAW CUT PAVERS AS REQUIRED. USE AN APPROVED VIBRATORY COMPACTOR IN A CIRCULAR PATTERN. SPRINKLE SAND OVER AREA TO TO PREVENT CHIPPING FOR HEAVIER VIBRATORY COMPACTION. ALL DAMAGED OR CHIPPED PAVERS MUST BE REPLACED AT THE CONTRACTOR'S COST. BRUSH SAND INTO JOINTS AND SPRINKLE WITH WATER UNTIL JOINTS ARE FILLED.

EDGE RESTRAINT

REFER TO SPECIFICATIONS. EDGE RESTRAINT MUST BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.

PREPARATION

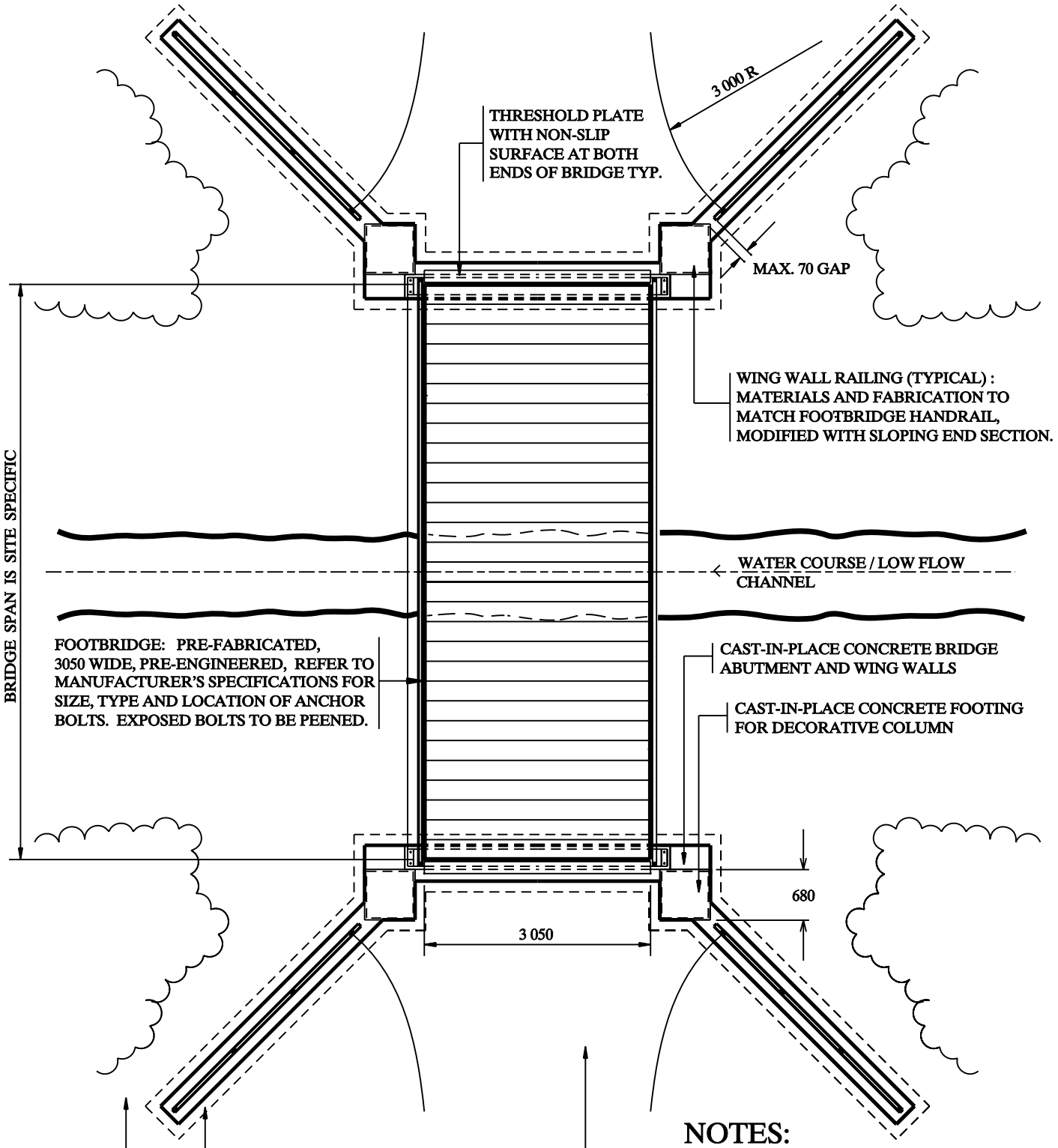
EXCAVATE AND REMOVE ALL TOPSOIL AND UNSTABLE MATERIALS OFF SITE. SUBGRADE TO BE GRADED TO SIMILAR CONTOURS AS FINISH GRADE. COMPACT SUBGRADE TO 95% SPD. PLACE 150 mm LAYER OF 19 mm CRUSHER RUN LIMESTONE. COMPACT TO 98 % SPD.

PLACE MAXIMUM 30 mm UNCOMPACTED SAND FOR LEVELLING COURSE.

FLOWER CITY BRAMPTON.CA

PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: PRECAST CONCRETE UNIT PAVING FOR PATHWAYS (LIGHT DUTY)		DRAWING NO. PDD 518
REVIEWED BY:	SCALE: N.T.S.	
APPROVED BY:	DATE: JANUARY 2007	



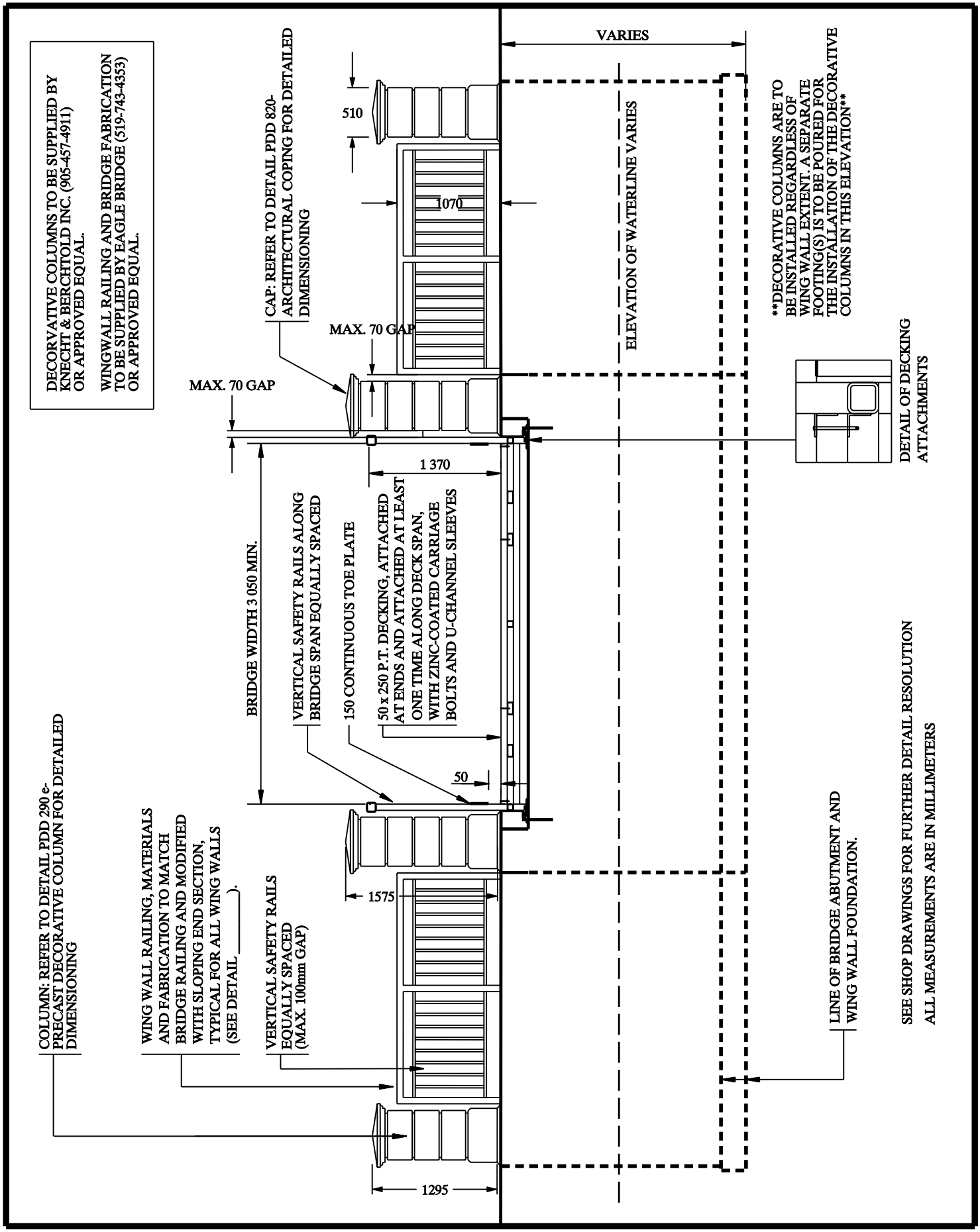
NOTES:

1. BRIDGE ABUTMENTS AND WINGWALLS MUST BE DESIGNED AND STAMPED BY PROFESSIONAL ENGINEER TO SUIT SITE CONDITIONS, IN ACCORDANCE WITH CONSERVATION AUTHORITY AND CITY OF BRAMPTON STANDARDS.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF BRIDGE AND RAILING FOR REVIEW AND APPROVAL.
3. ALL MEASUREMENTS ARE IN MILLIMETERS.

FLOWER CITY
BRAMPTON.CA

PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: **FOOTBRIDGE (PLAN)**		DRAWING NO. **PDD 290a**
REVIEWED BY:	SCALE: **N.T.S.**	
APPROVED BY:	DATE: **JANUARY 2007**	



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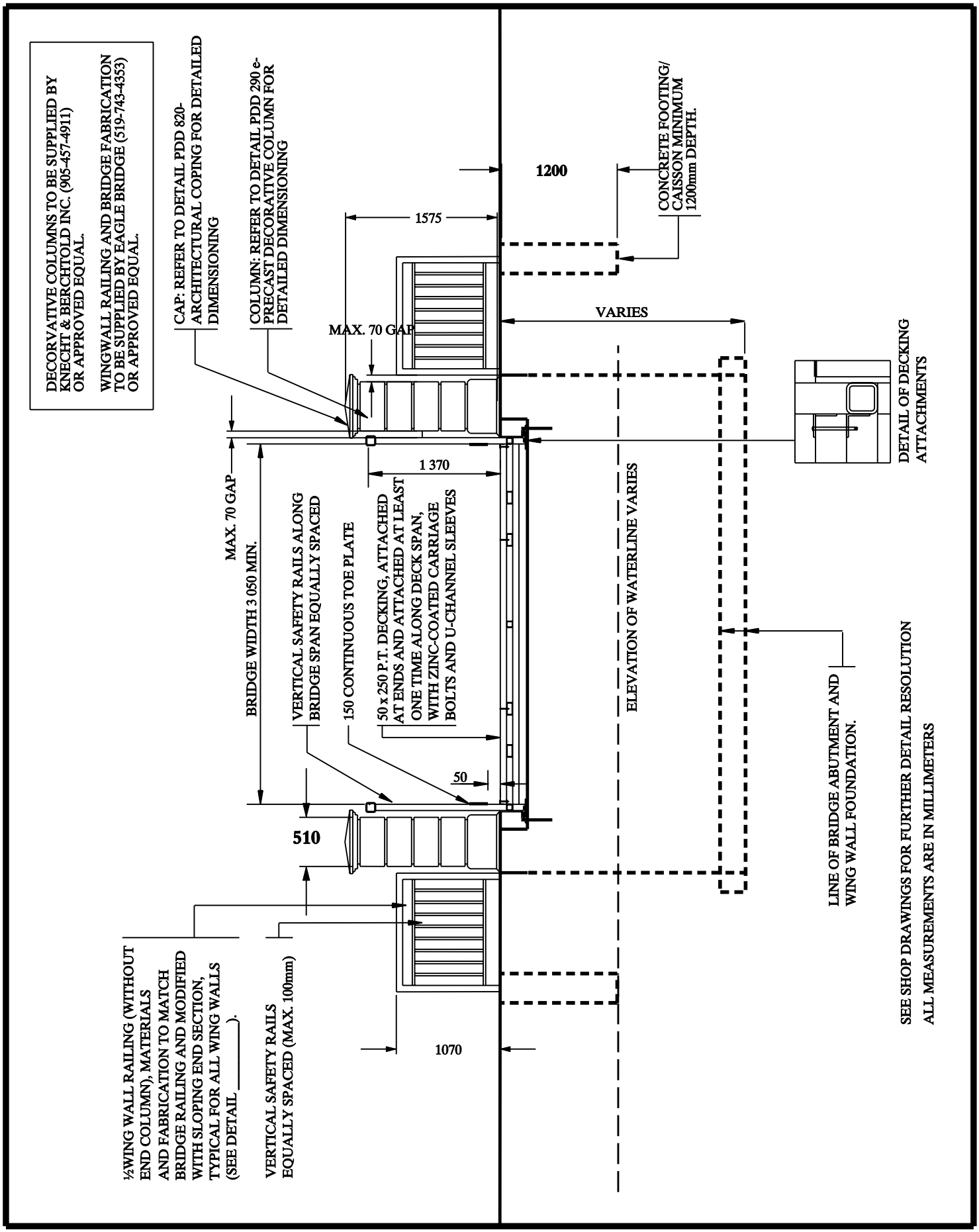
PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: **FOOTBRIDGE (FRONT ELEVATION)**		DRAWING NO.
PRIMARY LOCATION		**PDD 290b**
REVIEWED BY:	SCALE: **N.T.S.**	
APPROVED BY:	DATE: **JANUARY 2007**	



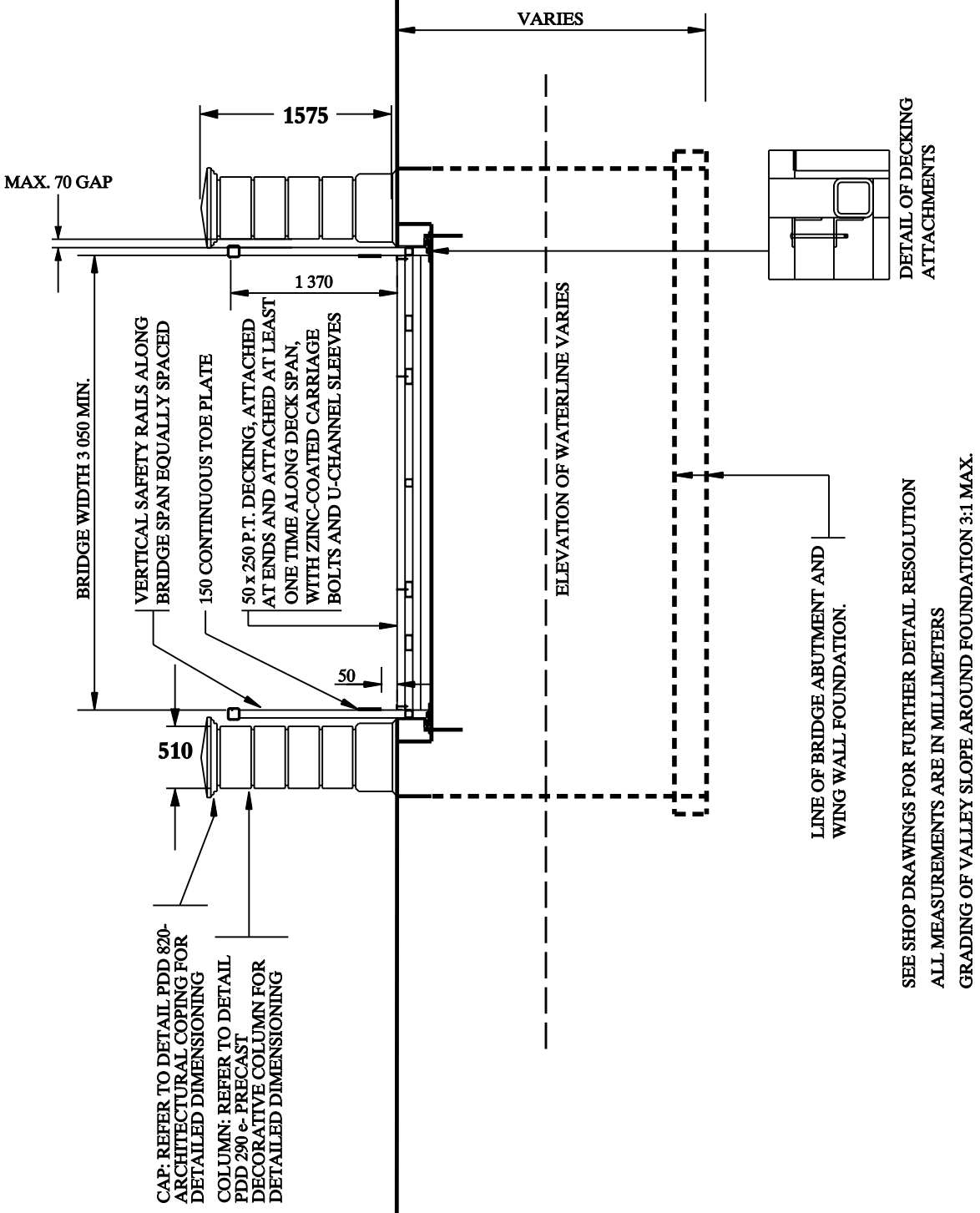
FLOWER CITY
BRAMPTON CA

PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: **FOOTBRIDGE (FRONT ELEVATION)**		DRAWING NO.
SECONDARY LOCATION		**PDD 290c**
REVIEWED BY: SH Dawkins	SCALE: **N.T.S.**	
APPROVED BY: Peter Walker	DATE: **JANUARY 2007**	

DECORVATIVE COLUMNS TO BE SUPPLIED BY KNECHT & BERCHTOLD INC. (905-457-4911) OR APPROVED EQUAL.

WINGWALL RAILING AND BRIDGE FABRICATION TO BE SUPPLIED BY EAGLE BRIDGE (519-743-4353) OR APPROVED EQUAL.



FLOWER CITY
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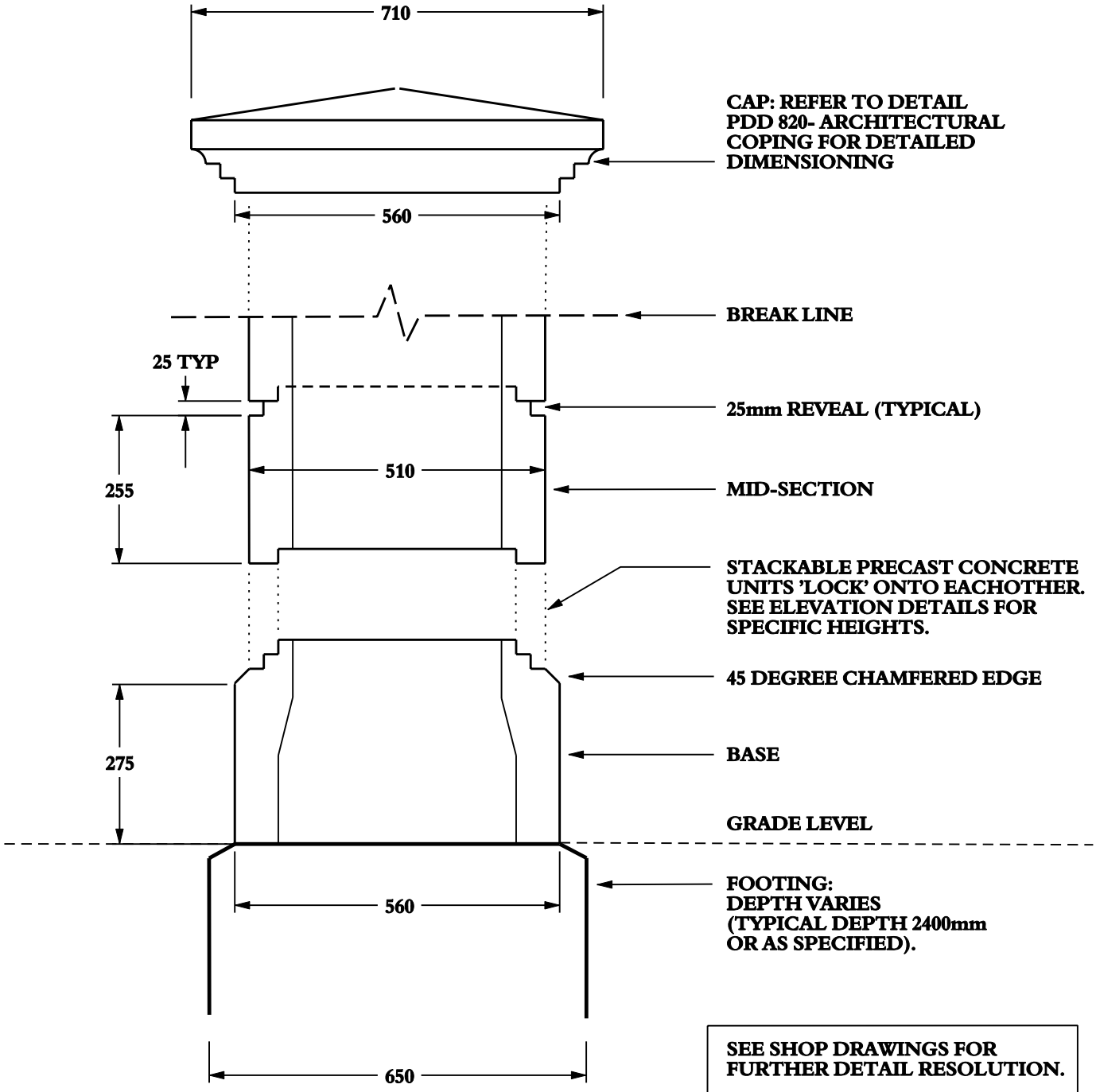
PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: **FOOTBRIDGE (FRONT ELEVATION)**		DRAWING NO.
TERTIARY LOCATION		**PDD 290d**
REVIEWED BY:	SCALE: **N.T.S.**	
APPROVED BY:	DATE: **JANUARY 2007**	

DECORATIVE COLUMNS TO BE SUPPLIED BY KNECHT & BERCHTOLD INC. (905-457-4911) OR APPROVED EQUAL.



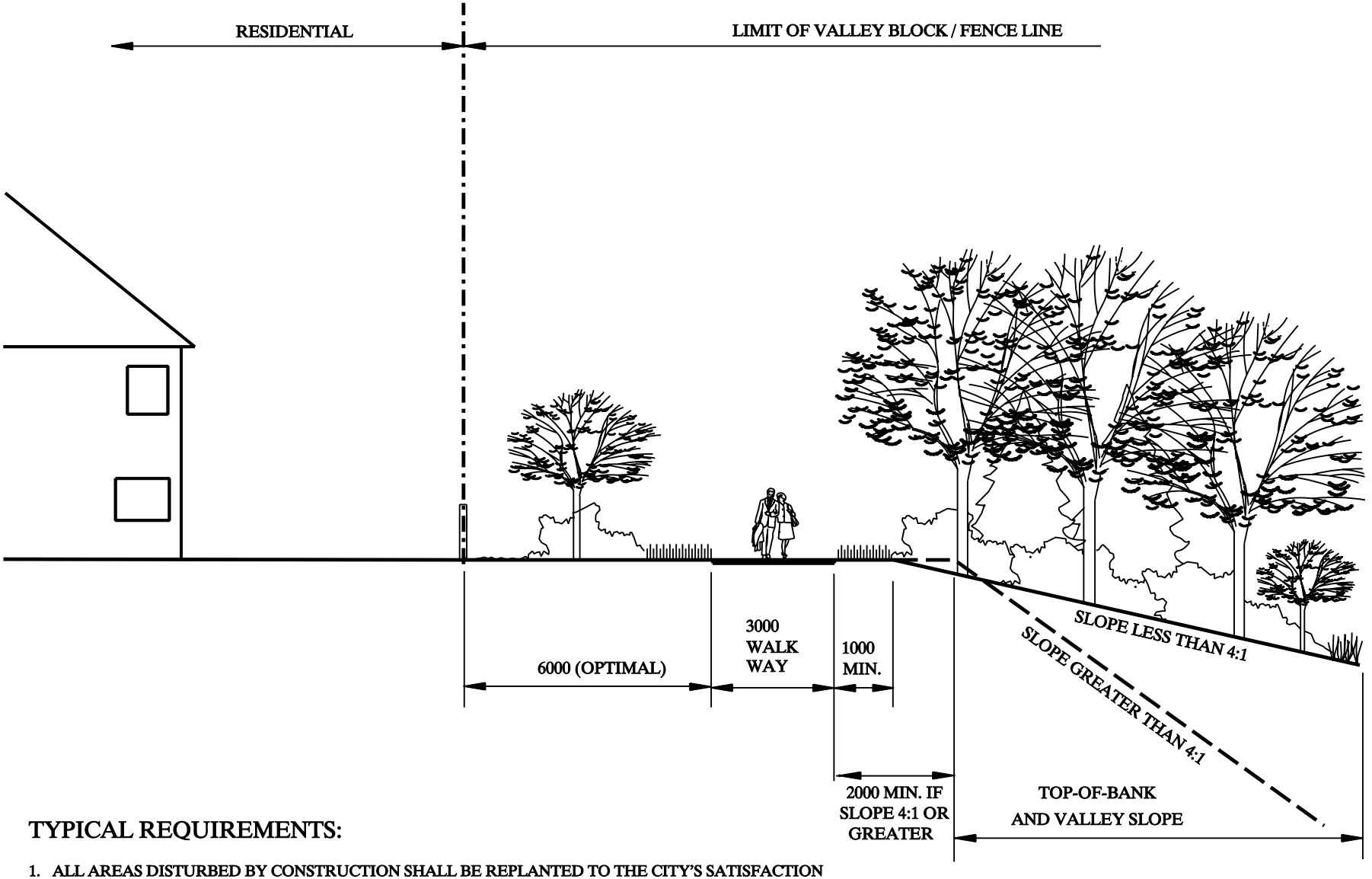
SEE SHOP DRAWINGS FOR FURTHER DETAIL RESOLUTION.

ALL MEASUREMENTS ARE IN MILLIMETERS (mm)

FLOWER CITY
BRAMPTON CA

PLANNING, DESIGN & DEVELOPMENT DEPARTMENT

TITLE: PRECAST DECORATIVE COLUMN		DRAWING NO. PDD 290e
REVIEWED BY:	SCALE: N.T.S.	
APPROVED BY:	DATE: JANUARY 2007	



TYPICAL REQUIREMENTS:

1. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REPLANTED TO THE CITY'S SATISFACTION
2. FOR WALKWAY CONSTRUCTION SEE DETAIL 511 (TYPICAL ASPHALT WALKWAY)
3. ALL SHRUBS ARE TO BE PLANTED IN CONTINOUS BEDS. INDIVIDUAL SHRUB BEDS ARE TO BE SEPARATED BY MINIMUM 3.0 M
4. ALL SHRUB BEDS ARE TO HAVE A MINIMUM SETBACK OF 2.0 M FROM WALKWAY EDGE
5. ALL TREES ARE TO HAVE A MINIMUM SETBACK OF 3.0 M FROM WALKWAY EDGE
6. BUFFER WIDTHS OF 3.0 TO 6.0 M BETWEEN RESIDENTIAL LOT LINES AND WALKWAY EDGES REQUIRE THE APPROVAL OF THE CITY OF BRAMPTON AND WILL ONLY BE ENTERTAINED FOR SHORT STRETCHES WHERE SEVERE TOPOGRAPHY POSES LIMITATIONS
7. ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS STATED OTHERWISE

FLOWER CITY
BRAMPTON.CA

PLANNING,
DESIGN &
DEVELOPMENT
DEPARTMENT

TITLE:
WALKWAY IN VALLEY LAND
(OPTIMAL SETBACK REQUIREMENTS)

REVIEWED BY:

APPROVED BY:

SCALE: N.T.S.

DATE: JANUARY 2007

DRAWING NO.
PDD 717