

AT 3.0m SPACING

## HEAVY DUTY ASPHALT PAVING AT ENTRANCE AND FIRE ROUTES:

BASE: 450mm LIMESTONE BASE PLACED AS FOLLOWS: 300mm OF 50mm (2") GRANULAR 'A' 150mm of 19mm (.75") GRANULAR 'B'

ASPHALT: 50mm (2") OF HL-8 ASPHALT BINDER COURSE 40mm (1-5/8") OF HL-3 ASPHALT TOP COURSE

- 1. PLACE AND CONSOLODATE 300mm (18") OF LIMESTONE
- BASE COURSE AS SPECIFIED ABOVE.

  2. ASPHALT SHALL SPREAD TO EVEN AND UNIFORM LAYERS
- AND ROLLED TO A MINIMUM TOTAL THICKNESS AS FOLLOWS:

  A) SUPPLY AND INSTALL 2" DEEP HOT ASPHALT BASE.

  BASE COURSE SHALL CONFORM TO ONTARIO DEPARTMENT
- OF HIGHWAY SPECIFICATIONS FOR TYPE HL-8.

  B) LAY 1-5/8" DEEP FINISH COURSE HOT ASPHALT PAVING CONFORMING TO ONTARIO DEPARTMENT OF HIGHWAY
- NOTE: ALL ASPHALT BASE TO BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.

SPECIFICATIONS FOR TYPE HL-3.

OPSD 3120.100

## ASPHALT PAVING ON SITE SHALL BE AS FOLLOWS:

BASE: 350mm LIMESTONE BASE PLACED AS FOLLOWS: 200mm OF 50mm (2") GRANULAR 'A' 150mm OF 19mm (.75") GRANULAR 'B'

ASPHALT: 50mm (2") OF HL-8 ASPHALT BINDER COURSE 40mm (1-5/8") OF HL-3 ASPHALT TOP COURSE

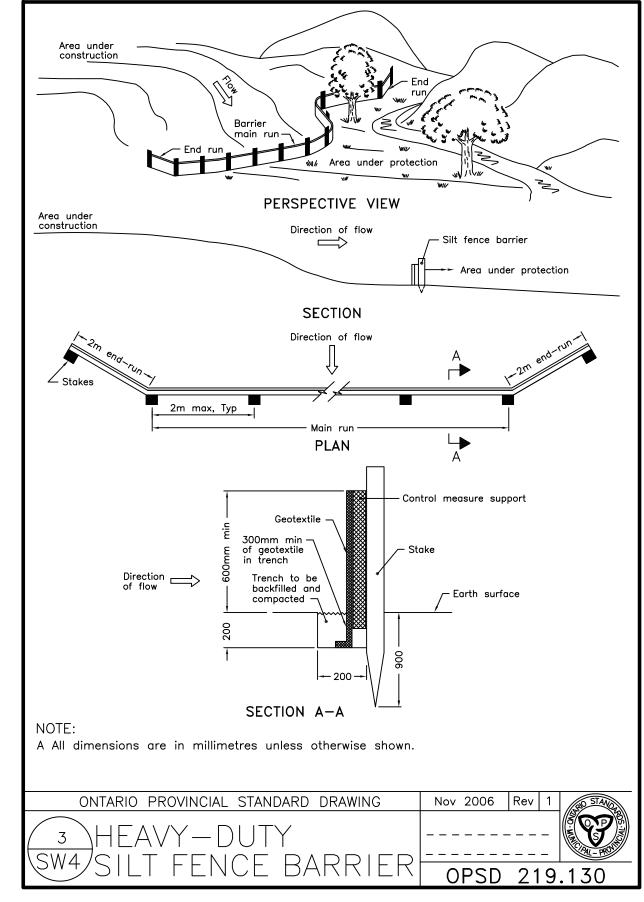
## INSTALLATION:

- 1. PLACE AND CONSOLODATE 350mm (13-3/4") OF LIMESTONE BASE COURSE AS SPECIFIED ABOVE.
- 2. ASPHALT SHALL SPREAD TO EVEN AND UNIFORM LAYERS AND ROLLED TO A MINIMUM TOTAL THICKNESS AS FOLLOWS:
- A) SUPPLY AND INSTALL 2" DEEP HOT ASPHALT BASE.

  BASE COURSE SHALL CONFORM TO ONTARIO DEPARTMENT
  OF HIGHWAY SPECIFICATIONS FOR TYPE HL—8.
- B) LAY 1-5/8" DEEP FINISH COURSE HOT ASPHALT PAVING CONFORMING TO ONTARIO DEPARTMENT OF HIGHWAY SPECIFICATIONS FOR TYPE HL-3.
- NOTE: ALL ASPHALT BASE TO BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.

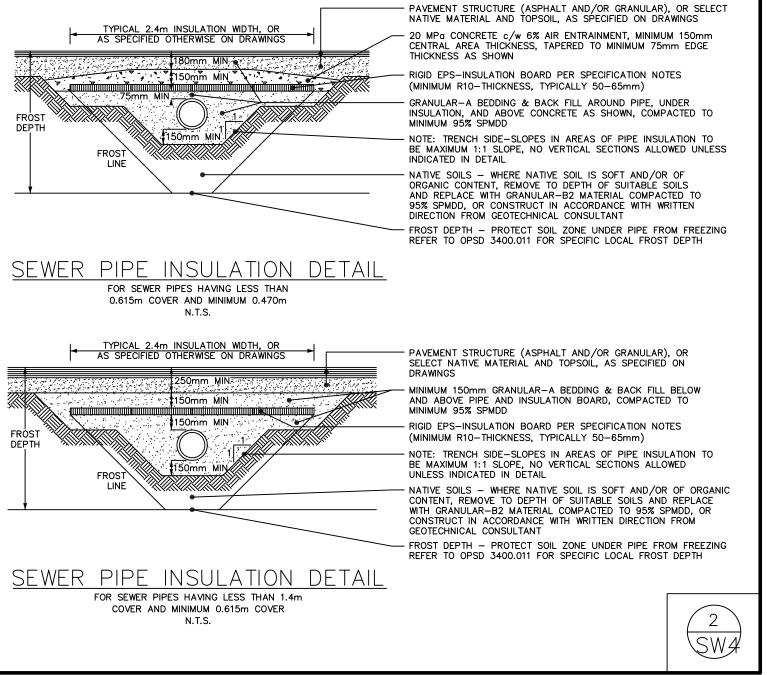
	SERVICE CROSSING CHARI				I NV SAN	ORV. WM	
I . D	GRADE	GRADE OBV- STM I NV- STM					
C1	258.04	ODV- STVI	TIV- SIM	256.46	256.31	255.81	
C2	257.81			256.02	255.87	255.37	
C3	258.04			256.17	256.01	255.51	
C4	258.03			256.18	256.03	255.53	
C5	257.79	-		256.27	256.03	255.62	
	257.79	255 23	254 00	230.27	250.12	233.62	
C6		255.23	254.98	256 20	256 24		
27	0.5.7.00	255.56	255.26	256.39	256.24	055 05	
28	257.92			256.50	256.35	255.85	
29	257.92			256.54	256.39	255.89	
C10	257.85			256.49	256.34	255.84	
C11	257.92			256.53	256.38	255.88	
212	257.92			256.64	256.49	255.99	
213	257.92			256.67	256.52	256.02	
C14	257.92			256.65	256.50	256.00	
C15	257.84			256.58	256.43	255.93	
16		255.96	255.66	256.54	256.39		
217		255.66	255.36			254.86	
18	258.02			256.72	256.57	256.07	
:19	258.02			256.73	256.58	256.08	
:20	258.02			256.77	256.62	256.12	
21	258.02			256.86	256.71	256.21	
222		256.26	256.01			255.51	
223		256.40	256.15			255.65	
224		256.41	256.16			255.66	
225		200111	200.10	256.76	256.61	256.11	
226		<del> </del>		256.74	256.59	256.09	
27		<del> </del>		256.72	256.57	256.07	
228				256.72	256.56	256.06	
29					256.53		
				256.68		256.03	
230				256.66	256.51	256.00	
31				256.64	256.49	255.99	
32				256.62	256.47	255.97	
33				256.61	256.46	255.96	
34				256.59	256.44	255.94	
35				256.57	256.42	255.92	
36		255.89	255.59			255.09	
:37				256.67	256.52	256.02	
38				256.71	256.56	256.06	
39				256.74	256.59	256.09	
C40				256.77	256.62	256.12	
241				256.81	256.66	256.16	
C42				256.84	256.69	256.19	
243		255.76	255.46	256.67	256.52		

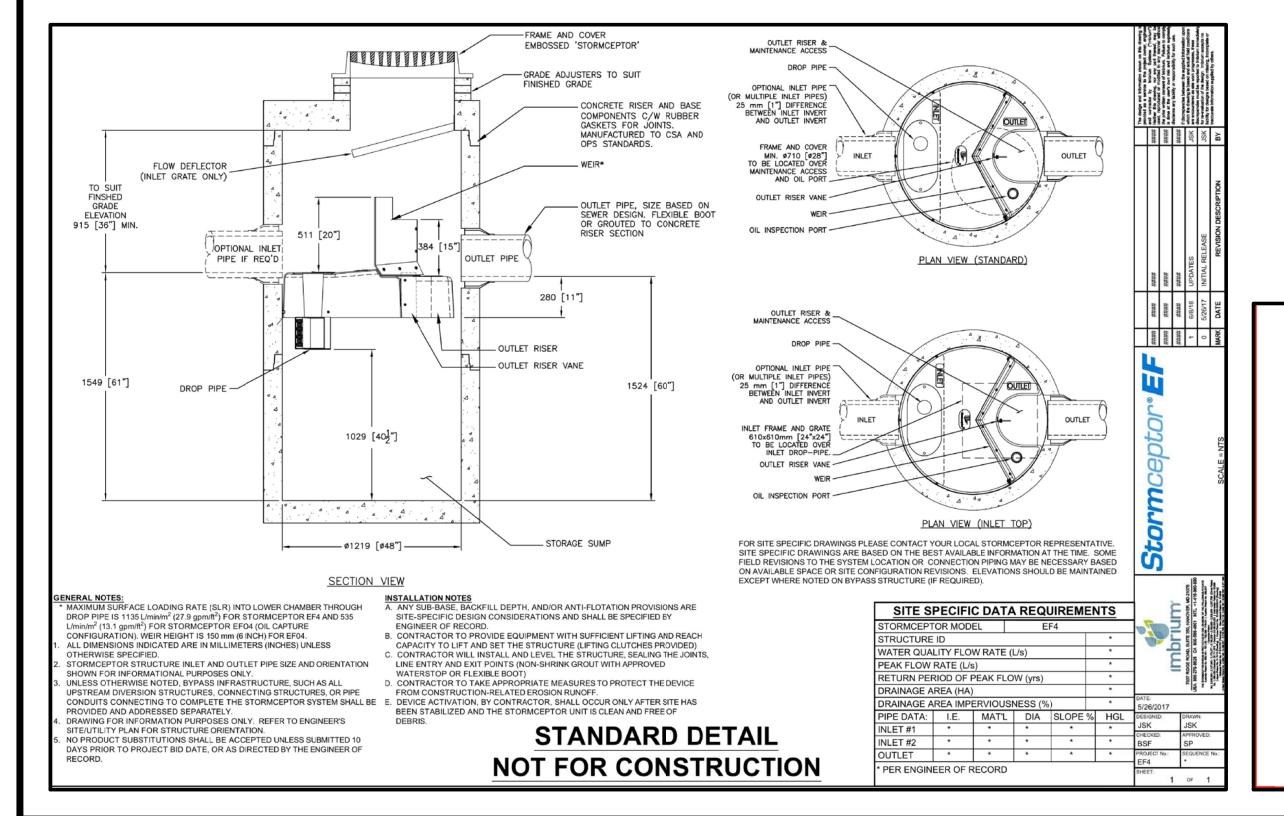
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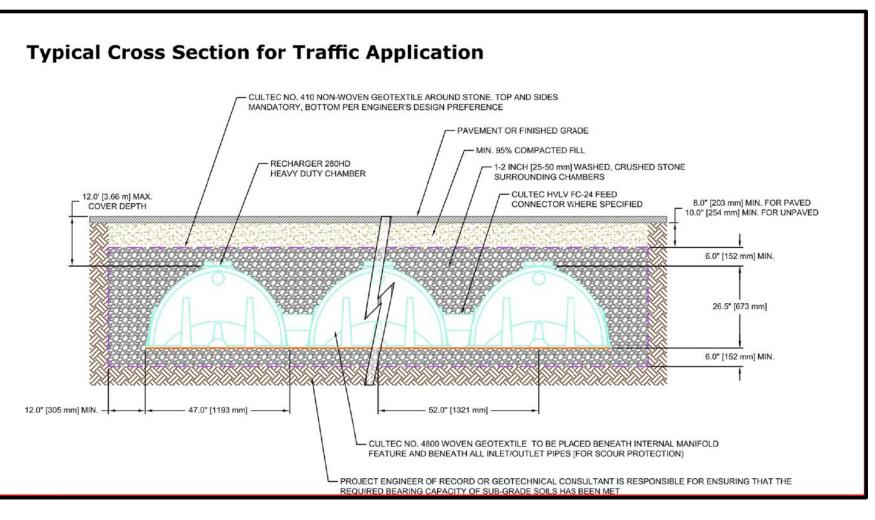


Sidewalk Optional Variable Typ 300 24. No of specific when specific when specific surface Note 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Final Surface Wall drown Note 5	Sidewalk —  Sidewalk —  Note 2 Typ  Note 2 Typ			
Varies 300 Note 1, Typ	Subdrain, Typ Note 6	Note 3	300		
TYPE I	TYPE	II	TYPE III		
Walls shall be founded on undisturbed soil having a minimum bearing capacity at ultimate limit states of 200kPa for Type I and 300kPa for Type II and Type III.  2 Excavation for toe walls shall be backfilled with free draining granular material.  3 10mm preformed joint filler, Type A, non-extruding and resilient bituminous type as specified.  4 Cold applied rubber asphalt joint sealing compound.  5 Where specified, wall drains shall be installed as per OPSD 3190.100.  6 150mm dia perforated pipe subdrain wrapped in geotextile.  A Maximum height of slope above top of wall is 4m.  B Concrete for toe walls shall be 30MPa.  C All dimensions are in millimetres unless otherwise shown.  ONTARIO PROVINCIAL STANDARD DRAWING  Nov 2010 Rev 2					
PLAN OF JOINT DETAIL IN CONCRETE TOE WALLS	WALLS RETAINI				

CONCRETE TOE WALL







## ROAD WORKS

- 1. ALL FILL WITHIN ROAD ALLOWANCE TO BE COMPACTED TO A MIN. OF 95% SPD, THE SUITABILITY AND COMAPCTION OF ALL FILL MATERIALS ARE TO BE CONFIRMED BY A RECOGNIZED SOIL CONSULTANT TO THE CITY ENGINEER PRIOR TO THE INSTALLATION OF ANY ROAD BASE MATERIALS
- 2. ALL CONNECTIONS WITHIN PAVED PORTION OF ANY EXISTING ROAD TO BE BACKFIELD WITH GRANULAR MATERIAL AND/OR UNSHRINKABLE FILL AS PER THE LATEST OF CITY OF BRAMPTON STANDARDS & SPECIFICATIONS.
- 3. A)TRENCH BACK FILLING ON PROPOSED ROADS SHALL COMPLY WITH THE CITY'S ENGINEERING POLICY STATEMENTS PROVIDED IN THE "DEVELOPMENT REQ. MANUAL" (SECTION 4.02.06 TRENCH BACK FILLING ON ROADS)
- B) ALL BACK FILL FOR SEWERS, WATERMAIN AND UTILITIES WITHIN ROAD ALLOWANCE SHALL BE COMPACTED TO 95% SPD WITH 2% OF THE OPTIMUM MOISTURE CONTENT

  C) THE TOP 1.0m OF THE SUBGRADE IS TO BE COMPACTED TO A MIN. 98% SPD. WITHIN 2 % OF THE
- OPTIMUM MOISTURE CONTENT

  4. ALL ROAD WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BRAMPTON STANDARDS AND
- 5. ALL INTERSECTING ROADS SHALL BE PROVIDED WITH AN ADDITIONAL 150mm THICKNESS OF OPSS GRANULAR "B"
  THIS EXTRA DEPTH SHALL EXTEND FOR A MIN. OF 15m BEYOND PROPERTY LINE OF INTERSECTING STREET, AS
  NOTED 7— CONCRETE CURB & GUTTER OPSD—600.07
- 6. PAVEMENT THICKNESS AND COMPOSITION TO BE AS SHOWN ON INDIVIDUAL PLAN AND PROFILE DWGS

THE GENERAL CONTRACTOR SHALL REPORT AND VERIFY ALL DIMENSIONS AND REPORT ERRORS AND OMISSIONS TO THE ARCHITECT.

DRAWINGS MUST NOT BE SCALED.

THIS DRAWING SHALL NOT BE USED FOR CONSRUCTION PURPOSES UNLESS COUNTERSIGNED BY:

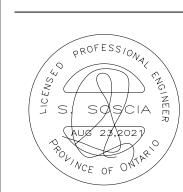
No.	Date:	Revision:	D'wn.	Ch'd.
l.	08/23/2021	ISSUED FOR SPA	N.R.	s.s.

TOWN OF CALEDON PLANNING RECEIVED Nov.29, 2021

APPLICANT:
HUMPHRIES PLANNING GROUP INC.
190 PIPPIN ROAD, SUITE A
VAUGHAN, ON L4K 4X9
TEL: 905-264-7678 EXT. 244
EMAIL: rhumphries@humphriesplanning.com

OWNER:
HARVESTONE CENTRE INC.
3 BROWNING COURT,
BOLTON, ON L7E 5S6
TEL: 905-857-3266
EMAIL: vince@boltonrailings.com

ARCHITECTS / ENGINEERS:
SOSCIA PROFESSIONAL ENGINEERS INC
10376 YONGE STREET, SUITE 307
RICHMOND HILL, ON L4C 3B8
TEL: 905 237 5410
FAX: 905 237 5413
CEL: 416 704 3868
E-MAIL: hmaesosciaeng.ca





Project:

PROPOSED:
STACKED TOWNHOUSE
DEVELOPMENT
13656 EMIL KOLB PARKWAY
CALEDON, ONTARIO.

CALEDON, ONTARIO.
SPA 2021-0077

Sheet title:

Job. no.

Scale: AS NOTED

Drawn: N.R.

Date: AUG 2021

Drawn: Checked: S.S.

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