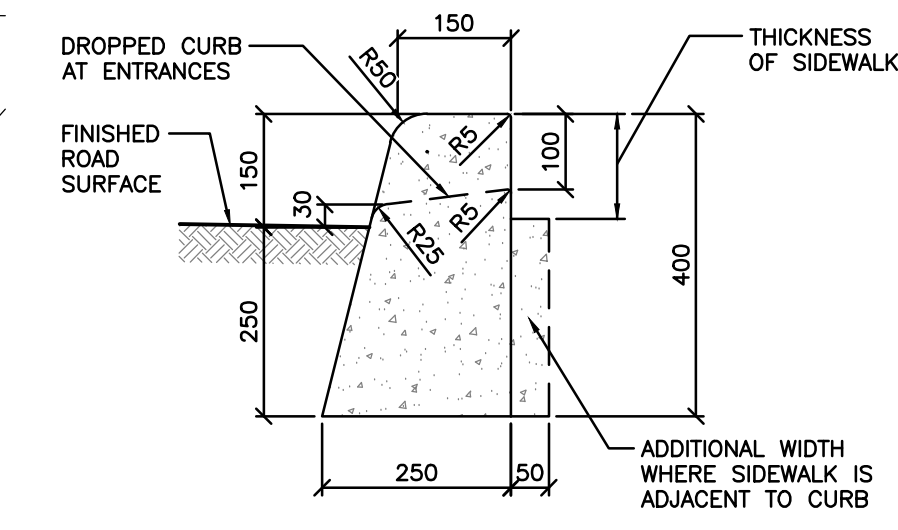


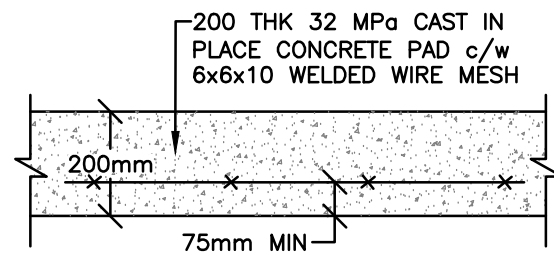
SECTION THROUGH PAVEMENT
SCALE: N.T.S.

LAYER	MATERIAL	PAVEMENT THICKNESS	COMPACTION REQUIREMENT
①	ASPHALT HL-3 (WEARING COARSE)	40 mm	> 97 % (MBD)
②	ASPHALT HL-8 (BINDING COARSE)	50 mm	> 97 % (MBD)
③	BASE-20mm GRANULAR 'A'	150 mm	> 100 % (SPMDD)
④	SUB-BASE-50mm GRANULAR 'B'	200 mm	> 100 % (SPMDD)
⑤	SUBGRADE (TO BE RESHAPED)	VARIABLE	> 95 % (SPMDD)

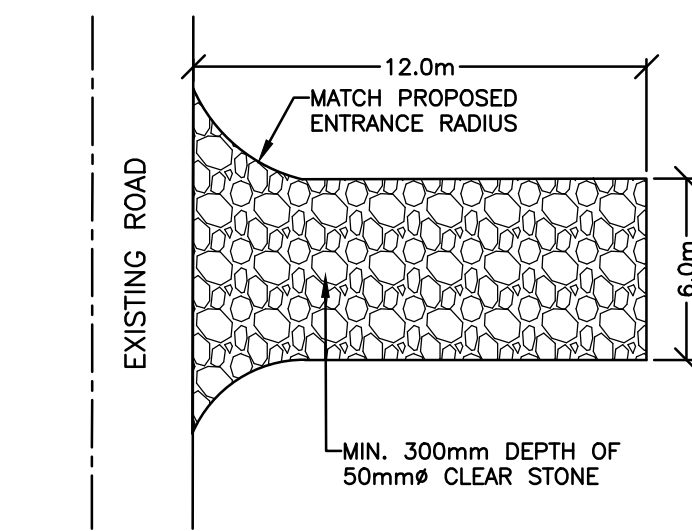
MBD: MARSHALL BULK DENSITY
SPMDD: STANDARD PROCTOR MAXIMUM DRY DENSITY



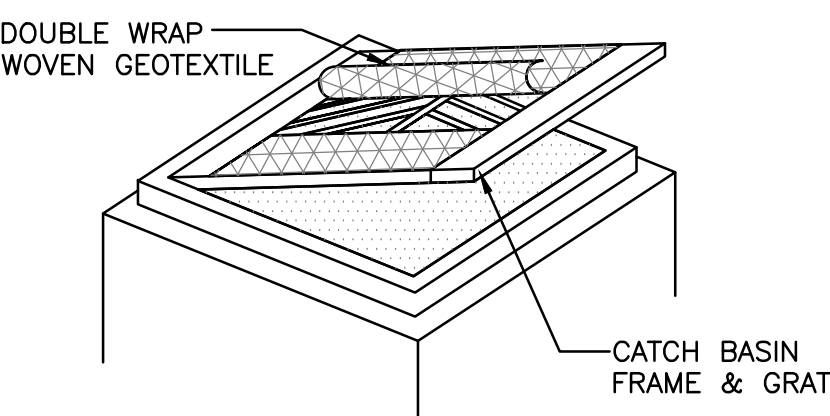
STANDARD CONCRETE BARRIER CURB
OPSD 600.110
N.T.S.



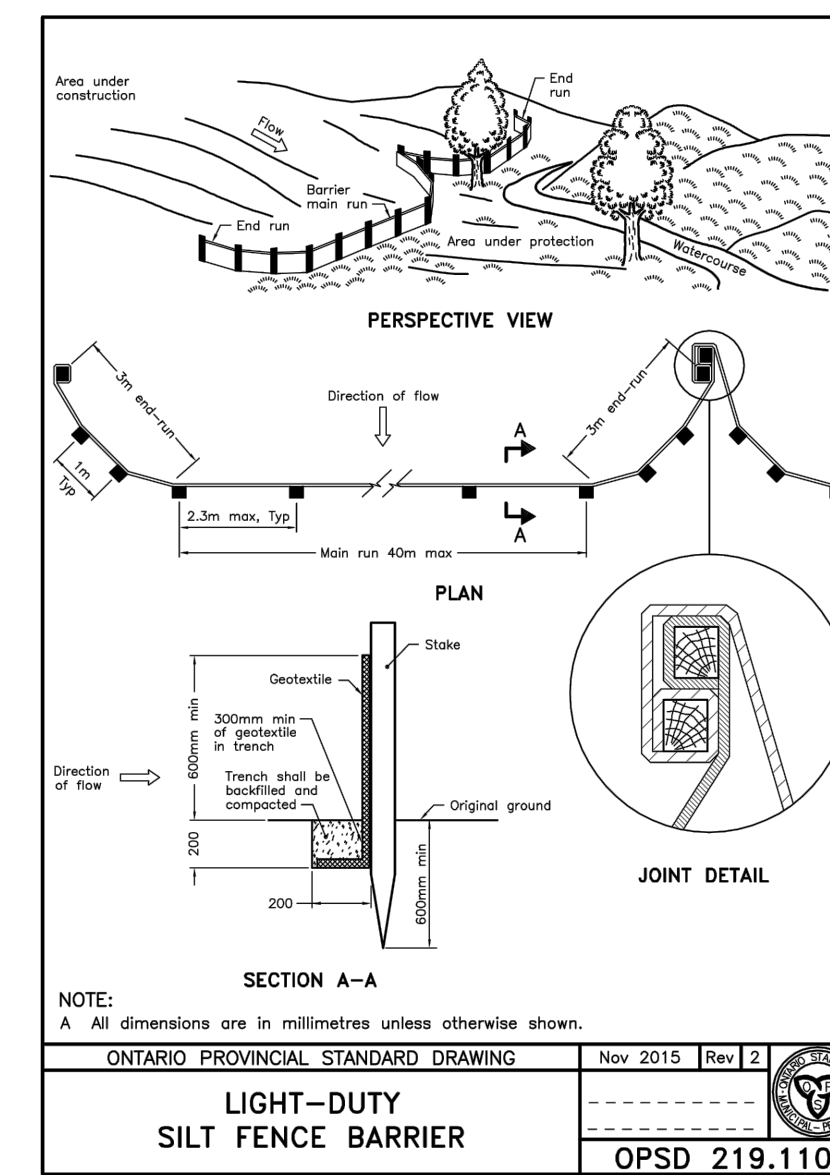
CONCRET PAD SECTION (TYP.)
N.T.S.



CONSTRUCTION ENTRANCE MUD-MAT DETAIL
N.T.S.



CATCH BASIN SEDIMENT CONTROL DETAIL



NOTE:
A All dimensions are in millimetres unless otherwise shown.
ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 2
LIGHT-DUTY SILT FENCE BARRIER
OPSD 219.110

EROSION AND SEDIMENT CONTROL NOTES:

- ALL EXPOSED SOIL SHALL BE STABILIZED AS SOON AS POSSIBLE WITH A SEED AND MULCH APPLICATION AS DIRECTED BY THE ENGINEER.
- NO CONSTRUCTION ACTIVITY OR MACHINERY SHALL INTRUDE BEYOND THE SILT/SNOW FENCE OR LIMIT OF CONSTRUCTION AREA.
- ALL CONSTRUCTION VEHICLES SHALL LEAVE THE SITE AT DESIGNATED LOCATIONS AS SHOWN ON THE PLANS.
- STOCKPILES OF SOIL SHALL BE SET BACK FROM ANY WATERCOURSE AND STABILIZED AGAINST EROSION AS SOON AS POSSIBLE. A SET BACK OF AT LEAST 15M FROM ANY TOP-OF-BANK, WATERCOURSE OR POND IS REQUIRED.
- CLEANING AND REPAIRS OF MUD-MATS AND ANY OTHER TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE COMPLETED AS DEEMED NECESSARY THROUGH REGULAR INSPECTION.
- SEDIMENT/SILT SHALL BE REMOVED FROM THE SEDIMENT CONTROL DEVICES AFTER STORM EVENTS AND DEPOSITED IN AREAS AS APPROVED BY THE ENGINEER.
- ALL RE-GRADED AREAS WITHIN THE DEVELOPMENT WHICH ARE NOT OCCUPIED BY BUILDINGS, ROADWAYS, SIDEWALKS, OR DRIVEWAYS SHALL BE TOP-SOILED AND SODDED/SEEDED IMMEDIATELY AFTER COMPLETION OF FINAL GRADING OPERATIONS AS DIRECTED BY THE ENGINEER.
- PROTECT ALL EXPOSED SURFACES AND CONTROL ALL RUNOFF DURING CONSTRUCTION.
- ALL EROSION CONTROL MEASURES ARE TO BE IN PLACE BEFORE STARTING CONSTRUCTION AND REMAIN IN PLACE UNTIL RESTORATION IS COMPLETE.
- MAINTAIN EROSION CONTROL MEASURES DURING CONSTRUCTION.
- ALL COLLECTED SEDIMENT MUST BE DISPOSED OFF AT AN APPROVED LOCATION.
- MINIMIZE AREA DISTURBED DURING CONSTRUCTION. ALL DEWATERING MUST BE DISPOSED OFF IN AN APPROVED SEDIMENTATION BASIN.
- PROTECT ALL CATCH BASINS, MAINTENANCE HOLES AND PIPE ENDS FROM SEDIMENT INTRUSION WITH GEOTEXTILE (TERRAFIX 270R).
- KEEP ALL SUMPS CLEAN DURING CONSTRUCTION.
- PREVENT WIND-BLOWN DUST OFF SITE TO ACCEPTABLE LEVELS BY SEEDING TOPSOIL PILES AND OTHER AREAS TEMPORARILY (PROVIDE WATERING AS REQUIRED).
- PROVIDE GRAVEL ENTRANCE WHEREVER EQUIPMENT LEAVES THE SITE TO PROVIDE MUD TRACKING ONTO PAVED SURFACES. CONSTRUCT GRAVEL ENTRANCE AS SHOWN ON PLAN.
- DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPPED.
- ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER.
- SHOULD UNFORESEEN PROBLEMS ARISE, THE OWNER'S AGREE TO TAKE APPROPRIATE REMEDIAL ACTION TO THE SATISFACTION OF MUNICIPALITY OF CHATHAM-KENT.
- TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ADJUTING PROPERTIES OR PUBLIC STREETS DURING CONSTRUCTION AND PROCEED IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.
- ALL OF THE ABOVE NOTES AND ANY SEDIMENT & EROSION CONTROL MEASURES ARE AT THE MINIMUM TO BE IN ACCORDANCE WITH THE MINISTRY OF NATURAL RESOURCES GUIDELINES ON EROSION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES.

GRADING NOTES

- ALL DIMENSIONS AND ELEVATIONS ARE METRIC, UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS AND DESIGN ELEVATIONS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER OR ARCHITECT WHERE APPLICABLE.
- EXISTING DRAINAGE OF ADJUTING LANDS IS NOT TO BE DISTURBED.
- GROUND ELEVATIONS AT BUILDINGS ADJUTING OVERLAND FLOW ROUTES ARE TO BE 225mm ABOVE OVERLAND FLOW ROUTE ELEVATIONS.
- PAVED (IMPERVIOUS) SURFACES TO HAVE A MINIMUM OF 1% SLOPE. UNPAVED SURFACES (PERVIOUS) TO HAVE A MINIMUM OF 2% SLOPE.
- THE CONTRACTOR SHALL RESTORE TO ORIGINAL OR BETTER CONDITION FOR ANY EXISTING CONDITION DISTURBED DURING THE CONSTRUCTION AT CONTRACTOR'S EXPENSE.
- LANDSCAPING SHALL NOT ENCROACH ON BOULEVARD NOR SHALL BOULEVARD GRADES BE ALTERED.
- MUNICIPAL STANDARD DRAWINGS CONSTITUTE PART OF THE PLANS OF THE CONTRACT.
- ANY CONFLICT WITH EXISTING SERVICES SHALL BE RECTIFIED AS PER MUNICIPAL REQUIREMENTS.
- MINIMUM VERTICAL AND HORIZONTAL SEPARATION BETWEEN THE INVERTS OF THE SEWER AND A CROWN OF A WATER MAIN SHALL COMPLY WITH THE MUNICIPAL AND LOCAL BY-LAWS AT ALL CROSSINGS.
- CONSTRUCT PAVEMENT AS SPECIFIED. SEE PAVEMENT STRUCTURE DETAIL ON THIS DRAWING.
- ALL CONCRETE CURBS FROM EXISTING ROAD CURB TO STREET LINE SHALL BE BARRIER CURB TO MUNICIPAL STANDARDS. ALL CONCRETE CURB HEIGHTS SHALL BE 150mm ABOVE FINISHED GRADE (A.F.G.) UNLESS OTHERWISE NOTED. DRIVEWAY CURBS ARE TO BE DISCONTINUOUS AT SIDEWALKS AND TAPERED BACK MINIMUM OF 300mm OR TO THE APPROVAL OF DESIGN ENGINEER.
- ALL REQUIRED CURB CUTTING AT ENTRANCES AND CURB DEPRESSIONS AT SIDEWALK CROSSINGS SHALL BE INSTALLED TO THE APPROVAL OF THE DESIGN ENGINEER.
- A MINIMUM CLEARANCE OF 1000mm FROM ALL ABOVE GROUND SERVICES AND UTILITIES IS REQUIRED.
- INSTALLATION OF WATER MAIN IN PRIVATE PROPERTY SHALL COMPLY WITH THE MUNICIPAL AND LOCAL BY-LAWS.
- OUTDOOR LIGHTS ARE TO BE DIRECTED DOWNWARDS AS WELL AS INWARDS.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. BELL, HYDRO, GAS, OR ANY OTHER UTILITIES THAT MAY EXIST ON THE SITE OR WITHIN THE STREET LINE MUST BE LOCATED AND VERIFIED BY THE RESPECTIVE UTILITY COMPANY PRIOR TO CONSTRUCTION.
- ALL SANITARY SEWER, STORM SEWER, AND WATERMAIN ON PRIVATE PROPERTY ARE TO BE INSTALLED IN ACCORDANCE WITH THE PROVINCIAL BUILDING CODE.
- ALL WATER MAIN AND HYDRANT INSTALLATIONS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST PLANS, STANDARDS, AND SPECIFICATIONS OF THE LOCAL UTILITIES COMMISSION.
- NO BLASTING IS PERMITTED ON THE MUNICIPAL RIGHT-OF-WAY AND NEAR ANY ADJACENT BUILDING.
- EXISTING STORM DRAIN LINES ALONG THE CURB WHICH ARE DISTURBED ARE TO BE RESTORED TO THEIR ORIGINAL CONDITIONS.
- THE PROPERTY IS TO BE GRADED AND SELF-CONTAINED SO THAT SURFACE DRAINAGE IS DIRECTED AWAY FROM THE BUILDINGS.
- THE OWNER AND/OR CONTRACTOR IS REQUIRED TO OBTAIN A ROAD WORK PERMIT FROM THE MUNICIPALITY BEFORE COMMENCING ANY WORK ON THE ROAD ALLOWANCE.



KEY PLAN

TOPOGRAPHIC PLAN
575 KING STREET EAST
TOWN OF GANANOQUE
COUNTY OF LEEDS

GENERAL NOTES

- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- DO NOT SCALE DRAWINGS.
- REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.
- USE ONLY LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION".
- DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE PROVINCIAL AND LOCAL BUILDING CODES LATEST EDITION.
- ALL WORKS AND MATERIALS USED SHALL COMPLY AS REQUIRED BY THE O.B.C. LATEST EDITION.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS & SPECIFICATIONS.
- ALL DIMENSIONS SHOWN ARE IN MILLIMETER.
- EVERYTHING IS TO BE CONSIDERED NEW UNLESS NOTED "EXISTING" OTHERWISE.

BENCHMARK NOTE

COORDINATES ARE UTM GRID, DERIVED FROM REAL TIME NETWORK (RTN) OBSERVATIONS, UTM ZONE 18, NAD83 (CSRS) (2010.0). DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.9999690.

ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM TOWN OF GANANOQUE BENCH MARK No. CP83207 HAVING A PUBLISHED ELEVATION OF 90.790 METRES.

LEGEND:

- × 100.00 EXISTING GRADE
- × 100.00 PROPOSED GRADE
- R.L. --- RIDGE LINE
- SILT FENCE
- ⇒ OVERLAND FLOW ROUTE
- ⇒ EXISTING OVERLAND FLOW ROUTE
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED CB/MANHOLE

No.	DATE	REVISIONS	INITIAL	CHECKED
9				
8				
7				
6				
5				
4				
3	OCT.08.19	REV'D & RE-ISSUED FOR SPA REVIEW & APPROVAL	MG	WAM
2	AUG.19.19	REV'D & RE-ISSUED FOR SPA REVIEW & APPROVAL	MG	WAM
1	MAY.06.19	ISSUED FOR SPA REVIEW & APPROVAL	MG	WAM

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CLIENT/OWNER:
PAVARANI HOLDINGS INC 1096971-2
138 EARLTON ROAD
SCARBOROUGH, ON M1T 2RN

PROJECT/ADDRESS:
PROPOSED GAS BAR/C-STORE/QSR
575 KING STREET EAST
GANANOQUE, ON K7G 1H1

TITLE:
GRADING PLAN

DESIGN:	WAM	DWN BY:	MG	DRAWING No.
SCALE:	1:200	DWG. FILE:	1830-CIVL	GP-1
DATE:	APR 10/19	PROJ. No.:	1830	