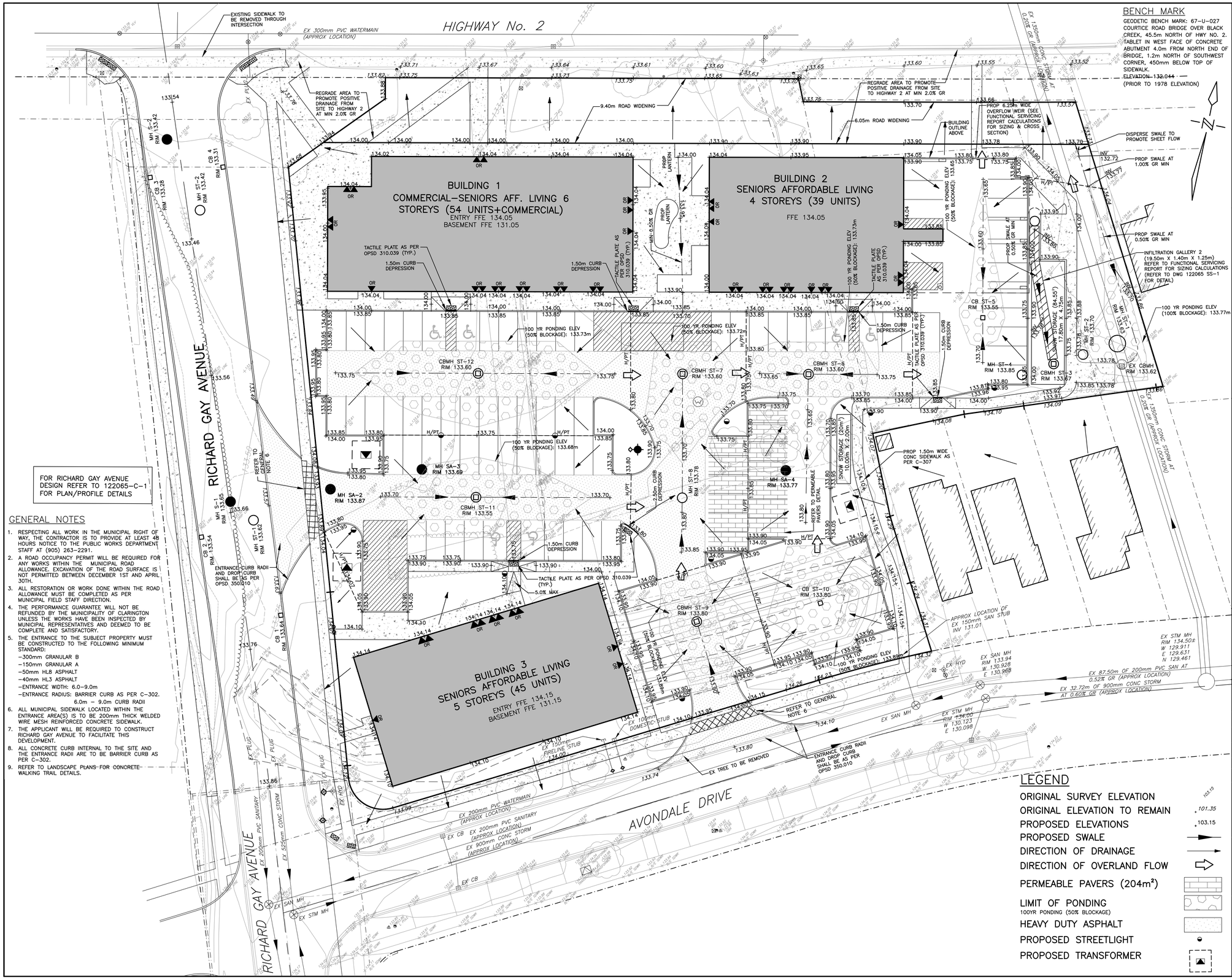
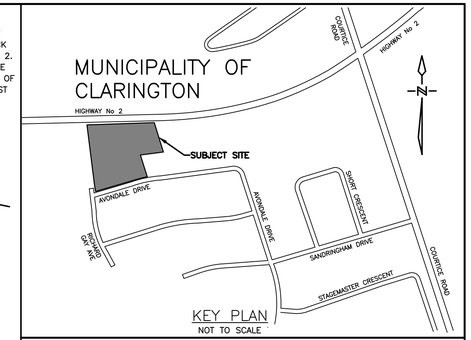


BENCH MARK

GEODETIC BENCH MARK: 67–U–027
COURTICE ROAD BRIDGE OVER BLACK CREEK, 45.5m NORTH OF HWY NO. 2. TABLET IN WEST FACE OF CONCRETE ABUTMENT 4.0m FROM NORTH END OF BRIDGE, 1.2m NORTH OF SOUTHWEST CORNER, 450mm BELOW TOP OF SIDEWALK.
ELEVATION 132.044
(PRIOR TO 1978 ELEVATION)

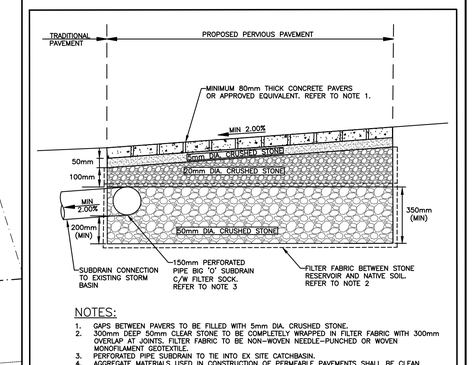


SITE GRADING NOTES

1. THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES AND SERVICES TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. CONCERNED UTILITIES TO BE GIVEN ADVANCED NOTICE FOR STAKE OUT. THE CONSULTANT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE UTILITIES SHOWN ON THE DRAWINGS.
2. QUANTITIES, DIMENSIONS AND ELEVATIONS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR COMMENCING CONSTRUCTION.
3. ALL SLOPES SHALL BE CONSTRUCTED AT 3:1 (MAXIMUM) UNLESS OTHERWISE NOTED ON THE DRAWINGS.
4. ALL SWALES SHALL BE CONSTRUCTED WITH 2% MINIMUM GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
5. ALL SLOPES, SWALES AND OPEN SPACE AREAS SHALL BE SODDED ON A MINIMUM OF 150mm OF TOPSOIL.
6. ALL DISTURBED AREAS WITHIN ABUTTING MUNICIPAL RIGHT OF WAYS SHALL BE SODDED ON A MINIMUM OF 300mm OF TOPSOIL.
7. THE PARKING LOT SHALL CONSIST OF THE FOLLOWING UNLESS OTHERWISE APPROVED BY THE ENGINEER:

LIGHT DUTY ASPHALT
- 350mm GRANULAR 'B'
- 150mm GRANULAR 'A'
- 50mm HL8 ASPHALT
- 40mm HL3 ASPHALT
- BARRIER CURB AS PER C–302

HEAVY DUTY ASPHALT
- 400mm GRANULAR 'B'
- 150mm GRANULAR 'A'
- 90mm HL8 ASPHALT (2 LIFTS)
- 40mm HL3 ASPHALT



NOTES:
1. GAPS BETWEEN PAVERS TO BE FILLED WITH 5mm DIA. CRUSHED STONE.
2. 300mm DEEP 50mm CLEAR STONE TO BE COMPLETELY WRAPPED IN FILTER FABRIC WITH 300mm OVERLAP AT JOINTS. FILTER FABRIC TO BE NON–WOVEN NEEDLE–PUNCHED OR WOVEN MONOFILAMENT GEOTEXTILE.
3. PERFORATED PIPE SUBDRAIN TO TIE INTO EX SITE CATCHBASIN.
4. AGGREGATE MATERIALS USED IN CONSTRUCTION OF PERMEABLE PAVEMENTS SHALL BE CLEAN AND CONTAIN NO NUMBER 200 SEIVE SIZE MATERIALS (FINES), THE AGGREGATE MATERIALS MUST SERVE AS A LOAD BEARING PLATFORM OF THE PAVEMENT AS WELL AS A TEMPORARY RECEPTOR FOR INFILTRATED WATER THAT IS COLLECETD THROUGH THE OPENINGS IN THE PAVEMENT.

PERMEABLE PAVER STONE RESERVOIR DETAIL
NOT TO SCALE

GENERAL NOTES

1. RESPECTING ALL WORK IN THE MUNICIPAL RIGHT OF WAY, THE CONTRACTOR IS TO PROVIDE AT LEAST 48 HOURS NOTICE TO THE PUBLIC WORKS DEPARTMENT STAFF AT (905) 263–2291.
2. A ROAD OCCUPANCY PERMIT WILL BE REQUIRED FOR ANY WORKS WITHIN THE MUNICIPAL ROAD ALLOWANCE. EXCAVATION OF THE ROAD SURFACE IS NOT PERMITTED BETWEEN DECEMBER 1ST AND APRIL 30TH.
3. ALL RESTORATION OR WORK DONE WITHIN THE ROAD ALLOWANCE MUST BE COMPLETED AS PER MUNICIPAL FIELD STAFF DIRECTION.
4. THE PERFORMANCE GUARANTEE WILL NOT BE REFUNDED BY THE MUNICIPALITY OF CLARINGTON UNLESS THE WORKS HAVE BEEN INSPECTED BY MUNICIPAL REPRESENTATIVES AND DEEMED TO BE COMPLETE AND SATISFACTORY.
5. THE ENTRANCE TO THE SUBJECT PROPERTY MUST BE CONSTRUCTED TO THE FOLLOWING MINIMUM STANDARD:
   - –300mm GRANULAR B
   - –150mm GRANULAR A
   - –50mm HL8 ASPHALT
   - –40mm HL3 ASPHALT
   - –ENTRANCE WIDTH: 6.0–9.0m
   - –ENTRANCE RADIUS: BARRIER CURB AS PER C–302. 6.0m – 9.0m CURB RADII
6. ALL MUNICIPAL SIDEWALK LOCATED WITHIN THE ENTRANCE AREA(S) IS TO BE 200mm THICK WELDED WIRE MESH REINFORCED CONCRETE SIDEWALK.
7. THE APPLICANT WILL BE REQUIRED TO CONSTRUCT RICHARD GAY AVENUE TO FACILITATE THIS DEVELOPMENT.
8. ALL CONCRETE CURB INTERNAL TO THE SITE AND THE ENTRANCE RADII ARE TO BE BARRIER CURB AS PER C–302.
9. REFER TO LANDSCAPE PLANS FOR CONCRETE WALKING TRAIL DETAILS.

LEGEND

ORIGINAL SURVEY ELEVATION	101.15
ORIGINAL ELEVATION TO REMAIN	+101.35
PROPOSED ELEVATIONS	+103.15
PROPOSED SWALE	
DIRECTION OF DRAINAGE	
DIRECTION OF OVERLAND FLOW	
PERMEABLE PAVERS (204m²)	
LIMIT OF PONDING 100YR PONDING (50% BLOCKAGE)	
HEAVY DUTY ASPHALT	
PROPOSED STREETLIGHT	
PROPOSED TRANSFORMER	

NO.	DATE	REVISION	BY
2.	01/26/2024	REVISED AS PER 2ND SUBMISSION COMMENTS	MH
1.	11/01/2023	REVISED AS PER 1ST SUBMISSION COMMENTS	MH

REVISIONS

1697 HIGHWAY No 2, COURTICE, CLARINGTON

SITE GRADING PLAN

D.G. Biddle & Associates Limited
consulting engineers and planners
96 KING STREET EAST • OSHAWA,ON L1H 1B6
PHONE (905)576–8500 • FAX (905)576–9730
info@dgbiddle.com

LICENSED PROFESSIONAL ENGINEER
M. B. CARSWELL
90561374
JAN 26/24
PROVINCE OF ONTARIO

SCALE:	1:250
DRAWN BY:	B.B.
DESIGN BY:	M.H.
CHECKED BY:	M.B.C.
DATE:	OCTOBER 2022

PROJECT NO. 122065
DRAWING NO. SG–1

X:\STAFF\JOB FILES\122000\122065 1697 HIGHWAY 2, COURTICE\122065 DRAWINGS\122065 ENGINEERING DRAWINGS\122065–SS–SITE PLAN.DWG 26/01/2024