

**GENERAL NOTES:**

- FOR DIMENSIONS AND DETAILS NOT SHOWN ON THE DRAWINGS, REFER TO THE ARCHITECT'S SITE PLAN. DETAILS WITH THE PREFIX 'C' ARE MUNICIPALITY OF CLARINGTON STANDARD DRAWINGS; THOSE PREFIXED BY 'S' ARE REGION OF DURHAM STANDARD DRAWINGS. ALL OTHER CONSTRUCTION DETAILS NOT REFERRED TO ON THE DRAWINGS, REFERENCE SHALL BE MADE TO THE LATEST DESIGN STANDARDS OF THE MUNICIPALITY OF CLARINGTON, REGION OF DURHAM OR ONTARIO PROVINCIAL STANDARDS.
- DIMENSIONS AND ELEVATIONS ARE IN METERS.
- PIPE SIZES ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS AND PIPE INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT AND CONSULTANT.
- EXISTING UTILITIES SHOWN ON DRAWINGS ARE FOR REFERENCE PURPOSES ONLY. THE CONSULTANT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, TELEPHONE OR ANY OTHER UTILITIES THAT MAY EXIST ON SITE OR WITHIN THE STREET LINES, MUST BE LOCATED BY ITS OWN UTILITY AUTHORITY AND VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED TO EXISTING UTILITIES DURING CONSTRUCTION.
- ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS".
- TOPSOIL IN FILL AREAS TO BE STRIPPED AND CLEAN FILL TO BE PLACED AND COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY.
- NO ORGANIC MATERIAL SHALL BE USED AS BACKFILL.
- ALL EXISTING PAVEMENT, CURBS, SIDEWALKS, DRIVEWAYS AND BOULEVARD AREAS DISTURBED BY CONSTRUCTION MUST BE REINSTATED TO THE SATISFACTION OF THE MUNICIPALITY OF CLARINGTON AND/OR REGION OF DURHAM. AREAS TO BE RESTORED WITH A MINIMUM OF 150mm TOPSOIL UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL DISPOSE OF EXCESS MATERIAL, PIPE, DEBRIS, ETC. OFF SITE.
- A MINIMUM SETBACK OF 1.0m FROM STREET FURNITURE (1.5m FROM HYDRANTS) TO PROPOSED DRIVEWAYS AND SIDEWALKS SHALL BE MAINTAINED. ALL EXISTING STREET FURNITURE TO BE RELOCATED BY THE CONTRACTOR TO A SETBACK OF 1.0m (1.5m FOR HYDRANTS). THE COST OF RELOCATION OF ANY UTILITY IS THE RESPONSIBILITY OF THE DEVELOPER/OWNER.
- THE CONTRACTOR SHALL SUPPLY ALL FIRE ROUTE AND STREET SIGNS AS PER C-402 AND AS SET OUT IN THE MUNICIPALITY OF CLARINGTON BY-LAWS AND DESIGN CRITERIA.
- THE CONTRACTOR SHALL CARRY OUT TV CAMERA INSPECTIONS FOR ALL SEWERS INSTALLED UNDER THIS CONTRACT. THE CAMERA CAN EITHER BE PULLED OR SELF-PROPELLED THROUGH THE PIPES. THE EQUIPMENT IS TO HAVE FEATURES TO ENABLE CLOSE EXAMINATION OF FAULTS AND TO VIEW LATERAL CONNECTIONS. THE EQUIPMENT IS TO PROVIDE "MEASURED" LOCATION OF THE CAMERA RELATIVE TO MANHOLES IN ORDER TO LOCATE FAULTS, LATERALS, ETC. ALL DVD'S SHALL BE SUBMITTED DIRECTLY TO THE CONSULTANT ALONG WITH A WRITTEN REPORT OF ANY PROBLEM AREAS.
- THE CONTRACTOR SHALL VERIFY BENCHMARK WITH THE MUNICIPALITY OF CLARINGTON PRIOR TO CONSTRUCTION.
- EMBANKMENTS TO BE SLOPED AT MAX 3:1
- ALL PAVEMENT MARKING, LINE PAINTING, DIRECTIONAL LINE/ARROWS ETC. SHALL BE PLACED IN ACCORDANCE WITH THE ARCHITECTURAL SITE PLAN OR THE OWNER'S TRAFFIC ENGINEERING CONSULTANT'S DRAWINGS. LINE PAINTING AND DIRECTIONAL SYMBOLS SHALL BE APPLIED WITH A MINIMUM TWO (2) COATS OF ORGANIC SOLVENT BASED PAINT IN ACCORDANCE WITH OPS5 1712.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE A FULL SET OF RED-LINED AS-CONSTRUCTED DRAWINGS TO THE CONSULTANT IMMEDIATELY UPON COMPLETION OF CONSTRUCTION INCLUDING ALL OF THE NECESSARY REQUIREMENTS OF THE REGION OF DURHAM AND THE MUNICIPALITY OF CLARINGTON.
- CONCRETE BARRIER CURB AND DEPRESSED BARRIER CURB AS PER C-302.
- CURB RAMPS TO CONFORM TO OBC 3.8.3.2 (3)
- TACTILE WARNING STRIP INDICATORS (TWSI) PER OPSD-310.039
- SURFACE PAVEMENT JOINT TREATMENT AS PER C-311
- PAVEMENT DESIGN AS PER GEOTECHNICAL CONSULTANT'S RECOMMENDATION.

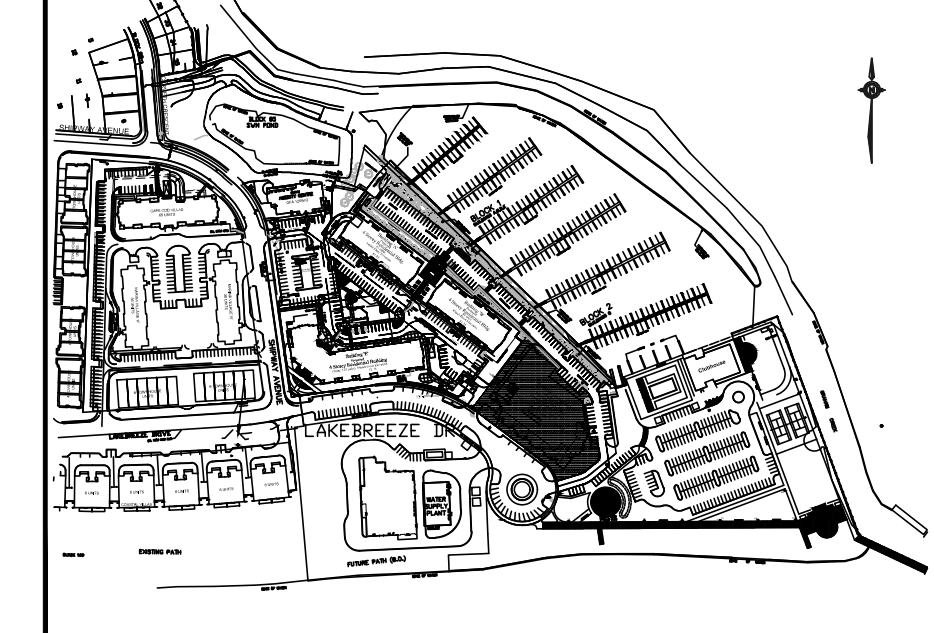
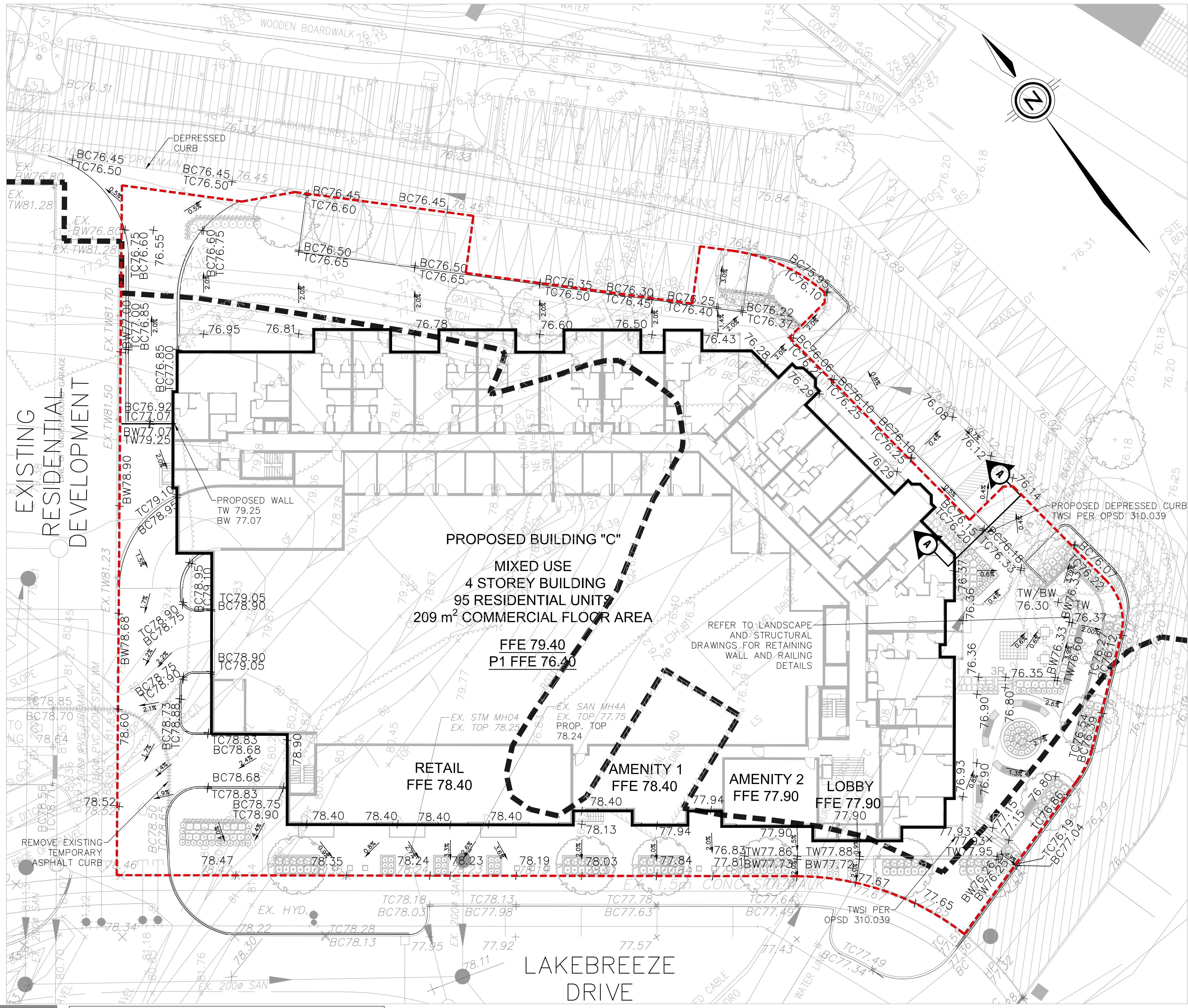
**MUNICIPAL ROAD OCCUPANCY REQUIREMENTS:**

- RESPECTING ALL WORK IN THE MUNICIPAL RIGHT OF WAY, THE CONTRACTOR IS TO PROVIDE AT LEAST 48 HOURS PRIOR NOTICE TO THE MUNICIPALITY OF CLARINGTON TRANSPORTATION AND DESIGN STAFF AT (905) 623-3379.
- A ROAD OCCUPANCY PERMIT WILL BE REQUIRED FOR ANY WORK DONE IN THE MUNICIPAL ROAD ALLOWANCE. EXCAVATION OF THE ROAD SURFACE IS NOT PERMITTED BETWEEN DECEMBER 1 AND APRIL 30.
- ALL RESTORATION OR WORK DONE IN THE ROAD ALLOWANCE MUST BE COMPLETED AS PER MUNICIPAL FIELD STAFF DIRECTION.
- THE PERFORMANCE GUARANTEE WILL NOT BE REFUNDED BY THE MUNICIPALITY OF CLARINGTON UNLESS THE WORKS HAVE BEEN INSPECTED BY MUNICIPAL FORCES AND DEEMED TO BE COMPLETE AND SATISFACTORY.

THE CONTRACTOR SHALL PROVIDE A SOILS MANAGEMENT PLAN FOR REVIEW AND APPROVAL BY THE DIRECTOR OF ENGINEERING PRIOR TO CONSTRUCTION. SOILS MANAGEMENT PLAN TO INCLUDE:

- INFORMATION ON THE PROPOSED IMPORT OR EXPORT OF FILL TO OR FROM THE SITE, INTENDED HAULAGE ROUTES;
- THE TIME AND DURATION OF ANY PROPOSED HAULAGE;
- THE SOURCE OF ANY SOIL TO BE IMPORTED;
- QUALITY ASSURANCE MEASURES FOR ANY FILL TO BE IMPORTED AND ANY STOCKPILING ON THE LANDS.

THE CONTRACTOR TO COMPLY WITH ALL ASPECTS OF THE APPROVED SOILS MANAGEMENT PLAN.



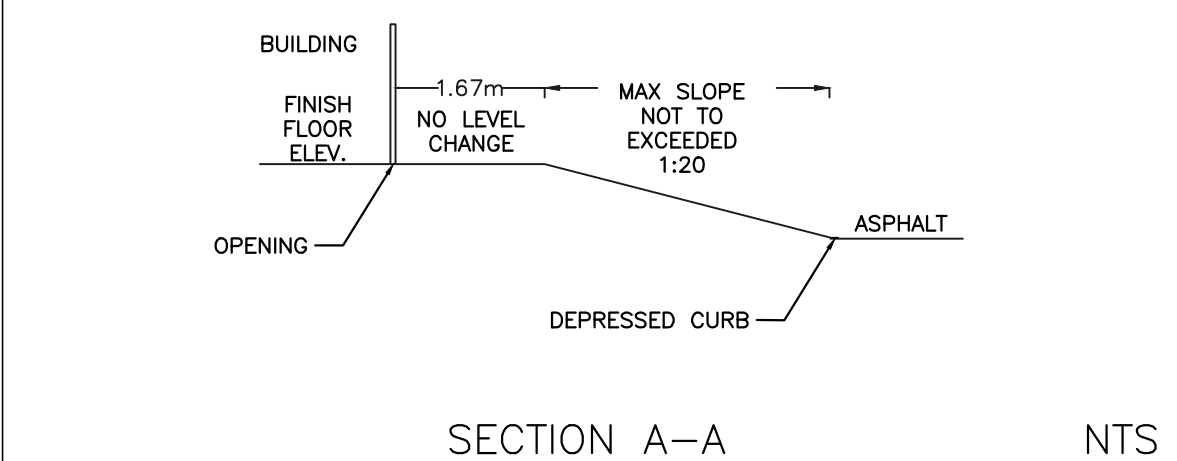
**KEY PLAN** NTS

**LEGEND**

- 82.50 EXISTING CONTOUR
- 83.12 EXISTING ELEVATION
- 81.24 PROPOSED GROUND ELEVATION
- BC80.90 PROP BOTTOM OF CURB ELEVATION
- TC81.05 PROP TOP OF CURB ELEVATION
- BW80.90 PROP BOTTOM OF WALL ELEVATION
- TW81.05 PROP TOP OF WALL ELEVATION
- DIRECTION OF OVERLAND FLOW
- DIRECTION OF FLOW
- CONCRETE BARRIER CURB OPSD 600.110 (FULL CURB)
- CONCRETE BARRIER CURB OPSD 600.110 (DEPRESSED)
- CURB TO BE REMOVED
- REGIONAL FLOODLINE
- BUILDING OPENINGS
- PROP. STREETLIGHTS (BY OTHERS)
- EX. STREETLIGHTS
- PROPERTY LINE
- EXISTING ASPHALT
- MARINA DRIVE AISLE

**BENCHMARK NO. 00819698423:**  
MINISTRY OF NATURAL RESOURCES AND FORESTRY  
BENCHMARK HAVING A PUBLISHED ELEVATION OF 107.951 (GEODETICAL DATUM)

**SITE BENCHMARK NO.1:**  
TOP NUT OF FIREHYDRANT LOCATED 36m +/- SOUTH OF THE CONCRETE BOAT LAUNCH  
ELEVATION 77.33 (GEODETICAL DATUM)



REFER TO LANDSCAPE DRAWINGS FOR SURFACE TREATMENT DETAILS

**REFERENCES**

UTILITIES VERIFIED BY:

No.	DATE	REVISION	BY
1	08/27/20	ISSUED FOR SITE PLAN APPROVAL - 1 <sup>ST</sup> SUBMISSION	CD

ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED

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NEWCASTLE HARBOURVIEW LTD.  
PORT OF NEWCASTLE - HARBOURVIEW  
BUILDING C  
MUNICIPALITY OF CLARINGTON  
**SITE GRADING PLAN**

DRAWN BY	LOC.	CONST.	QTY	DESIGN BY	ZB	CHKD. BY	KK	APPD. BY	KK

SCALE 1:200

19M-01815-GR1 DWG. No. GR1