

GENERAL NOTES

1. ALL WORK SHALL BE CARRIED OUT IN COMPLIANCE WITH THE APPLICABLE HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS. PRIOR TO STARTING ANY WORKS, THE CONTRACTOR MUST ENSURE THAT ALL NECESSARY APPROVALS ARE IN PLACE FROM THE TOWN OF CARLETON PLACE AND OTHER EXTERNAL AGENCIES AS REQUIRED.
2. ALL WORK, MATERIALS AND CONSTRUCTION METHODS TO CONFORM WITH THE LATEST STANDARDS, SPECIFICATIONS, POLICES, REGULATIONS, GUIDELINES AND LAWS FOR THE TOWN OF CARLETON PLACE AND LANARK COUNTY, THE ONTARIO BUILDING CODE (OBC), MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS (MECP), ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS (OPSD AND OPSS), THE ENVIRONMENTAL PROTECTION ACT AND THE WATER RESOURCES ACT, THE MINISTRY OF TRANSPORTATION STANDARDS WILL APPLY WHERE REQUIRED.
3. THE CONTRACTOR IS ADVISED THAT WORKS BY OTHERS MAY BE ONGOING DURING THE PERIOD OF THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND PREVENT CONSTRUCTION CONFLICTS.
4. THE INFORMATION SHOWN FOR EXISTING UTILITIES WAS PROVIDED BY OTHERS. THE INFORMATION IS SHOWN FOR GENERAL INFORMATION ONLY AND THE ACCURACY OR COMPLETENESS OF THE PROVIDED INFORMATION HAS NOT BEEN CONFIRMED BY COUNTERPOINT ENGINEERING INC. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. ALL EXISTING UTILITIES MUST BE LOCATED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK. ANY VARIANCE IS TO BE IMMEDIATELY REPORTED TO THE ENGINEER. LOST TIME DUE TO FAILURE OF THE CONTRACTOR TO CONFIRM UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF POSSIBLE CONFLICTS PRIOR TO CONSTRUCTION WILL BE AT THE CONTRACTOR'S EXPENSE.
5. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS PLANS, ANY DISCREPANCIES SHALL BE CLARIFIED PRIOR TO CONSTRUCTION. INFORMATION RELATED TO DIMENSIONS FOR PRIVATE ROADS, PARKING, CURBING, BUILDING LOCATION AND SETBACKS SHALL BE TAKEN FROM THE SITE PLAN PREPARED BY THE SITE ARCHITECT.
6. INSPECTIONS: ALL WORK IN THE MUNICIPAL RIGHT OF WAY AND EASEMENTS IS TO BE INSPECTED BY THE CITY PRIOR TO BACKFILLING. ALL WORK RELATING TO WATERMAINS AND SEWERS TO BE INSPECTED BY THE CITY AS PER THE SITE PLAN AGREEMENT.
7. ALL RESTORATIONS AND RELOCATION SHALL BE COMPLETED TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING. ALL AREAS WITHIN PUBLIC RIGHT OF WAYS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. GRASSED AREAS SHALL BE PROVIDED WITH 200mm OF TOPSOIL AND SODDED TO THE SATISFACTION OF THE TOWN OF CARLETON PLACE.
8. A MINIMUM HORIZONTAL CLEARANCE OF 1.0M SHALL BE MAINTAINED BETWEEN ALL ABOVE GROUND SERVICES AND UTILITIES.
9. THE CONTRACTOR SHALL NOTIFY THE CITY A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION, UNLESS OTHERWISE NOTED HEREON OR PURSUANT TO CONDITIONS OF PERMIT APPROVALS. WHERE APPLICABLE, THE CONTRACTOR SHALL OBTAIN A ROAD OCCUPANCY PERMIT A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
10. ALL DIMENSIONS, ELEVATIONS AND OTHER INFORMATION SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES FOUND MUST BE REPORTED IMMEDIATELY TO THE ENGINEER PRIOR TO CONSTRUCTION.
11. ALL TRENCHING SHALL BE IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT. TRENCH SIDES SHALL BE FLATTENED IN ACCORDANCE WITH DIRECTIONS FROM THE GEOTECHNICAL ENGINEER. CONSTRUCTION OF SHORING, BRACING AND PROTECTION SCHEMES SHALL CONFORM TO OPSS 538 & 539.
12. ALL ENGINEERED FILL AND BACKFILLING OPERATIONS TO BE INSPECTED BY THE PROJECT GEOTECHNICAL ENGINEER.

FOR DETAILED SPECIFICATIONS REGARDING:
 - SITE STRIPPING
 - SITE GRADING
 - FILL PLACEMENT
 - ENGINEERED FILLPAVEMENT STRUCTURE RECOMMENDATIONS TO BE PROVIDED BY GEOTECHNICAL ENGINEER

REFERENCE IS TO BE MADE TO THE GEOTECHNICAL REPORT(S) AND SPECIFICATIONS PREPARED FOR THIS PROJECT.
13. ALL TRAFFIC CONTROL AND SIGNAGE SHALL BE IN ACCORDANCE WITH MTO'S "ONTARIO TRAFFIC MANUAL".
14. UPON COMPLETION OF SITE SERVICING AND GRADING WORKS, THE CONTRACTOR IS TO SUBMIT AN AS-CONSTRUCTED SURVEY, IN AUTOCAD AND HARDCOPY FORMATS, PREPARED BY AN ONTARIO LAND SURVEYOR, INDICATING ALL ABOVE GROUND AND BELOW GROUND AS BUILT INFORMATION, INCLUDING PIPE SIZES, SLOPES, INVERTS AT MANHOLES AND CATCHBASINS, MH AND CB TOPS, ALL SURFACE FEATURES AND SURFACE TYPES, TOP AND BOTTOM OF CURB ELEVATIONS, CURB DEPRESSIONS, SWALES, AND WITH ELEVATION POINTS CLARIFYING DRAINAGE DIRECTIONS FOR THE ENTIRE SITE. THE SURVEY IS TO EXTEND TO THE MUNICIPAL CURB AT ALL ROAD FRONTAGES.
15. BOULEVARDS TO BE GRADED, TOP SOILED WITH 200mm DEPTH AND SODDED BY OWNER/CONTRACTOR TO THE TOWN'S SATISFACTION.
16. ALL EXISTING PAVEMENT, CURBS, SIDEWALKS, DRIVEWAYS AND BOULEVARD AREAS DISTURBED BY THE CONSTRUCTION MUST BE REINSTATED TO THE SATISFACTION OF THE TOWN.
17. THE CONTRACTOR/OWNER IS RESPONSIBLE FOR ALL UTILITY LOCATES AND ANY DAMAGE OR DISTURBANCE DURING CONSTRUCTION.
18. ALL BARRIER FREE ENTRANCES AND BARRIER FREE PATHS OF TRAVEL MUST COMPLY WITH O.B.C. 3.8.
19. THE OWNER/CONTRACTOR SHALL SUPPLY ALL FIRE ROUTE AND HANDICAP SIGNS AS SET OUT IN THE CITY'S BY-LAWS AND DESIGN CRITERIA.
20. ALL EXTERIOR ILLUMINATION TO BE DIRECTED DOWNWARD AS WELL AS INWARD AND DESIGNED TO MAINTAIN ZERO CUTOFF LIGHT DISTRIBUTION AT THE PROPERTY LINE.

EROSION AND SEDIMENT CONTROL MEASURE NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING REMOVAL UPON COMPLETION OF THE PROJECT AFTER SITE HAS BEEN STABILIZED. PROTECT ALL EXPOSED SURFACES AND CONTROL ALL DUST AND RUNOFF DURING CONSTRUCTION.
2. THE LOCATION OF ALL EROSION AND SEDIMENT CONTROL MEASURES ARE SHOWN IN THE ESC PLAN SCHEMATICALLY.
3. SEDIMENT TRAPS ON CATCHBASIN STRUCTURES, SILT FENCES, AND FILTER ROLL DAMS ARE TO BE INSTALLED PRIOR TO COMMENCEMENT OF WORKS AND TO BE MAINTAINED UNTIL ALL CONSTRUCTION IS COMPLETE AND SITE IS STABILIZED. LAYFIELD CATCHBASIN SEDIMENT TRAPS ARE TO BE PROVIDED ON EXISTING CATCHBASIN AND NEW CATCHBASINS DURING CONSTRUCTION AS SHOWN LOCATIONS.
4. SURFACE ROUGHENING OF SLOPES OVER 10% SHALL BE COMPLETED USING TRACKING EQUIPMENT.
5. ALL COLLECTED SEDIMENT TO BE DISPOSED OF AT AN APPROVED LOCATION.
6. ADDITIONAL EROSION AND SEDIMENT CONTROL MATERIALS (I.E. SILT FENCE, STRAW BALES, CLEAR STONE, FILTER ROLLS, ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIRS.
7. ALL CONTROL MEASURES SHALL BE INSPECTED WEEKLY (MINIMUM) AND AFTER EVERY RAINFALL, AND SHALL BE CLEANED AND MAINTAINED AS APPLICABLE UNTIL GROUND COVER HAS BEEN ESTABLISHED AND BUILDING ACTIVITY COMPLETED. ALL TO THE SATISFACTION OF THE TOWN'S ENGINEER.
8. ALL TOPSOIL STOCKPILES INTENDED TO REMAIN IN PLACE FOR MORE THAN 30 DAYS ARE REQUIRED TO BE SEEDDED TO PREVENT WIND EROSION.
9. THE CONTRACTOR SHALL UNDERTAKE MEASURES TO CONTROL DUST DURING CONSTRUCTION, RELATED SOIL EXCAVATION OR DUSTING SOIL RESTORATION /EXCAVATION ACTIVITIES. AREAS OUTSIDE THE CONSTRUCTION AREA TO BE KEPT CLEAN OF MUD AND DEBRIS BEING TRACKED BY VEHICLES. SWEEPING OF ADJACENT PAVEMENT TO BE COMPLETED AS REQUIRED.
10. SINCE THE LOCATION AND TYPE OF EROSION AND SEDIMENT CONTROL MEASURES WILL BE MODIFIED AS THE CONSTRUCTION OF THE SITE PROCEEDS, THIS PLAN IS DYNAMIC AND ADJUSTMENTS TO THE LOCATION AND TYPE OF ESC MEASURES WILL BE REQUIRED TO REDUCE THE AMOUNT OF SEDIMENT LEAVING THE SITE AND ONTO ADJACENT AREAS.
11. AMOUNT OF BARE SOIL EXPOSED AT ONE TIME IS TO BE MINIMIZED. DISTURBED SOILS ARE TO BE STABILIZED AS QUICKLY AS PRACTICAL. ALL STRIPPED AND BARE SOIL TO BE STABILIZED WITHIN 30 DAYS OF INACTIVITY.

SEWERS

SANITARY AND STORM SEWERS

- A) CONSTRUCTION OF SANITARY & STORM SEWERS & PRIVATE DRAINS SHALL BE IN ACCORDANCE WITH CITY STANDARDS & SPECIFICATIONS (LATEST EDITION) AND MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) GUIDELINES (LATEST EDITION) & ONTARIO BUILDING CODE (LATEST EDITION).
- B) COVER AND BEDDING MATERIAL FOR CONCRETE PIPE SHALL BE GRANULAR 'A' MATERIAL AS PER OPSD 802.030 OR 802.033, CLASS 'B' BEDDING.
- C) COVER AND BEDDING MATERIAL FOR PVC PIPE SHALL BE GRANULAR 'A' MATERIAL AS PER OPSD 802.010 OR 802.013.
- D) PVC PIPE WILL REQUIRE SPECIAL CONSTRUCTION PROCEDURES AS PER CITY SPECIFICATIONS.
- E) ALL SEWERS TO BE FLUSHED PRIOR TO VIDEO INSPECTION.
- F) MANHOLE FRAMES AND COVERS SHALL BE AS PER OPSD 401.010 (STORM--OPEN, SANITARY--CLOSED).
- G) SANITARY SEWER (200mm TO 250mm DIA) SHALL BE PVC PIPE, CSA B182.2. SDR--35.
- H) STORM SEWER (250mm TO 375mm DIA.) SHALL BE PVC PIPE SDR26, EXCEPT FOR TEMPORARY CORRUGATED STEEL CULVERTS AND SEWERS TO DRAIN LOW AREAS AS SHOWN OF THE SERVING PLAN SW-S.
- I) STORM SEWER > 375mm DIA. SHALL BE CONCRETE PIPE, CSA A257.2 CLASS 140-D
- J) PVC (SANITARY AND STORM) SEWERS ARE TO BE TESTED FOR DEFLECTION (MANDREL PASSAGE) AFTER INSTALLATION. SANITARY SEWERS SHALL ALSO BE TESTED FOR LEAKAGE (LOW AIR PRESSURE). PRIOR TO ASSUMPTION BY THE CITY, PIPE DEFLECTION TESTING SHALL BE REPEATED.
- K) ALTERNATE MATERIALS MAY BE ACCEPTABLE PROVIDED APPROVAL HAS FIRST BEEN OBTAINED FROM THE CITY/ENGINEER.
- L) THE REUSE OF EXISTING SEWERS ON PRIVATE PROPERTY IS AT THE OWNER'S SOLE RISK AND RESPONSIBILITY. SEWER LATERALS WITHIN THE MUNICIPAL ROAD ALLOWANCE OR WITHIN MUNICIPAL EASEMENTS MAY BE REUSED IF IN GOOD WORKING CONDITION, MEET BY-LAW REQUIREMENTS AND ARE OF ADEQUATE CAPACITY TO MEET THE REQUIREMENTS OF THE SITE. THE OWNER OR THEIR CONTRACTOR IS RESPONSIBLE FOR HAVING THE LATERAL TO BE REUSED VIDEO INSPECTED WHILE THE TOWN OF CARLETON PLACE SEWER INSPECTOR IS PRESENT. CONTACT PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT, GROWTH MANAGEMENT DIVISION, DEVELOPMENT ENGINEERING CONSTRUCTION SECTION AT (905)546-2424 X7860 TO ARRANGE FOR AN INSPECTION.
- M) SHOULD AN EXISTING SEWER DRAIN ON PRIVATE PROPERTY, INTENDED TO BE REUSED, EITHER FAIL DURING CONSTRUCTION OR AFTER COMPLETION OF THE PROPOSED WORKS, THE CITY WILL NOT BE RESPONSIBLE, AND THE OWNER IS REQUIRED TO OBTAIN ADDITIONAL PERMITS ETC. TO UNDERTAKE REPLACEMENT OF THE FAILED SECTIONS.
- N) ALL EXISTING UNUSED SEWER DRAINS SERVICING A PROPERTY BEING REDEVELOPED, IN WHOLE OR IN PART, MUST BE EITHER REMOVED FROM MUNICIPAL PROPERTY (I.E. ROAD ALLOWANCE ETC., WITH AN APPROPRIATE REPAIR TO THE MUNICIPAL SEWER MAIN TO WHICH THEY CONNECT), AND REMOVED FROM PRIVATE PROPERTY, OR, ALTERNATIVELY, UNUSED SEWER DRAINS MAY BE ABANDONED IN ACCORDANCE WITH CITY MINIMUM REQUIREMENTS I.E. TRENCHLESS ABANDONMENT BY FILLING THE LATERAL WITH GROUT WITHIN THE ENTIRE ROW.
- O) ALL STORM AND SANITARY MANHOLES (MH) SHALL BE PRECAST AND CONSTRUCTED IN ACCORDANCE WITH CURRENT ONTARIO PROVINCIAL STANDARDS.
- Q) CATCHBASINS ARE TO BE INSTALLED AS PER OPSD 705.010 AND APPLICABLE AMENDMENTS TO THE OPSD BY THE TOWN OF CARLETON PLACE INCLUDING GOSS TRAPS.
- R) WHERE INDICATED IN THE SERVING PLAN SW-S THE PROPOSED STORM PIPES SHALL BE INSULATED AS PER DETAIL IN DRAWING SW-D2.

WATERMAINS AND WATER SERVICES

WATERMAINS

1. CONSTRUCTION OF WATERMAINS & PRIVATE SERVICES SHALL BE IN ACCORDANCE WITH TOWN OF CARLETON PLACE STANDARDS & SPECIFICATIONS (LATEST EDITION) AND MINISTRY OF ENVIRONMENT (MOECP) GUIDELINES (LATEST EDITION).
2. WATERMAINS TO BE INSTALLED TO A MINIMUM DEPTH OF 2.10m BELOW PROPOSED CENTERLINE ROAD GRADE ON ALL ROADS OR BELOW GROUND ELSEWHERE.
3. PVC PIPE IN SIZES 100mm THROUGH 300mm SHALL BE CLASS 150 DR18 CONFORMING TO AWWA C900. FOR 400mm, SEE SECTION 7. SPECIAL NOTES
4. TRACER WIRE SHALL BE INSTALLED WITH PVC PIPE IN ACCORDANCE WITH FORM 400. IT SHALL BE 12 GAUGE TWISTED OR ROOPLYFE COATED COPPER AND SHALL BE POSITIONED ALONG THE TOP OF THE PIPE AND FASTENED AT 6 METER INTERVALS. THE WIRE IS TO BE INSTALLED BETWEEN EACH VALVE AND/OR THE END OF THE NEW PVC WATERMAIN. JOINTS IN THE WIRE BETWEEN VALVES ARE NOT PERMITTED. AT EACH GATE VALVE A LOOP WIRE IS TO BE BROUGHT UP INSIDE THE VALVE BOX TO THE CAP. THE TRACER WIRE SHALL BE BROUGHT TO THE SURFACE AT THE SECONDARY VALVE ON ALL FIRE HYDRANTS. THE TRACER WIRE SHALL ALSO BE CONNECTED TO THE CATHODIC PROTECTION SYSTEM AS REQUIRED.
5. MOLDED PVC FITTINGS FOR PIPE SIZES 100mm TO 300mm SHALL CONFORM TO AWWA C900 AND CERTIFIED TO CSA B137.2.
6. FABRICATED FITTINGS 250mm AND 300mm SHALL BE MANUFACTURED FROM SEGMENTS OF AWWA C900, CLASS 150 (DR18) PVC PIPE, BONDED TOGETHER AND OVER-WRAPPED WITH FIBERGLASS-REINFORCED POLYESTER TO MEET THE REQUIREMENTS OF CSA B137.3.
7. WHERE METAL FITTINGS ARE TO BE USED ON PVC MAINS SUFFICIENT CATHODIC PROTECTION MUST BE PROVIDED. THE FOLLOWING REQUIREMENTS:
 - I. MINIMUM OF ONE 11KG ZINC ANODE SHALL BE INSTALLED FOR EVERY 1000M OF TRACER WIRE;
 - II. ONE 11KG ZINC ANODE SHALL BE INSTALLED FOR EACH COPPER WATER SERVICE CONNECTION;
 - III. ONE 11KG ZINC ANODE SHALL BE INSTALLED ON EVERY VALVE, HYDRANT, BEND, TEE, SLEEVE, REDUCER, PLUG, CAP, JOINT RESTRAINT, COUPLING, ETC., CONNECTED TO THE PVC PIPE.
8. BEDDING AND BACKFILL AS PER WM-200.01 AND WM--200.02 GRANULAR 'A' MATERIAL FOR MAINS AND SERVICES GREATER THAN 50mm.
WATERMAIN DEFLECTION FOR PVC PIPE:
MAXIMUM ALLOWABLE DEFLECTION OF 1.5 DEGREES PER JOINT UP TO 250mm DIAMETER (160mm PER 6.1M PIPE LENGTH) AND 1.2 DEGREES FOR 300mm DIAMETER (128mm PER 6.1M PIPE LENGTH) SHALL NOT BE EXCEEDED.ALL JOINTS SHALL BE DEFLECTED AN EQUAL AMOUNT.
9. ALL BACKFLOW PREVENTION DEVICES MUST BE SELECTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE TOWN OF CARLETON PLACE, INCLUDING THE MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION ETC., AND GUIDELINES SET OUT IN THE MOST RECENT VERSIONS OF THE AWWA CANADIAN CROSS CONNECTION CONTROL MANUAL AND THE CSA. B64.10 / 07 / B64. 10.1-07 STANDARDS; IN SELECTING A BACKFLOW DEVICE FOR A PROPERTY, CONSIDERATION MUST BE GIVEN TO FUTURE POSSIBLE USES OF THE SITE WHICH COULD RESULT IN A HIGHER RISK TO THE MUNICIPAL DRINKING WATER SYSTEM, THUS MAKING THE DEVICE INITIALLY CHOSEN INADEQUATE FOR THE NEW PURPOSE AND REQUIRING FUTURE CHANGE OUT AT THE OWNER'S EXPENSE.
10. IT WILL BE THE RESPONSIBILITY OF THE DEVELOPER'S CONTRACTOR TO PERFORM ANY WATERMAIN CONNECTION(S) REQUIRED. THIS SHALL BE COMPLETED IN THE PRESENCE OF A DESIGNATED MUNICIPAL WATER OPERATOR AND THE SELECTED CONTRACTOR SHALL PROVE TO THE SATISFACTION OF THE TOWN THAT THEY ARE COMPETENT TO PERFORM THE WORKS PRIOR TO INITIATING CONSTRUCTION.
11. ALL WATERMAIN VALVES ARE TO BE COUNTERCLOCKWISE TO OPEN TO PROVIDE CONSISTENCY AMONG MUNICIPAL VALVES FOR FUTURE OPERATION BY PUBLIC WORKS.
12. HYDRANT SPECIFICATION TO BE CANADA VALVE -CENTURY HYDRANT OR CLOW BRIGADIER HYDRANT COMPLETE TO BE RED (PRIVATE) WITH A THREADED CONNECTION, STORZ CONNECTIONS WILL NOT BE PERMITTED.

COUNTERPOINT ENGINEERING INC. CONFORMANCE REQUIREMENTS

1. THE FOLLOWING ITEMS ARE TO BE PROVIDED TO COUNTERPOINT NO LESS THAN 10 WORKING DAYS PRIOR TO THE REQUEST FOR A LETTER OF GENERAL CONFORMANCE/FINAL CERTIFICATION. THE DOCUMENTS MUST INDICATE THAT THE SITE HAS BEEN CONSTRUCTED IN GENERAL CONFORMANCE WITH THE APPROVED DESIGN:
 - AS-CONSTRUCTED TOPOGRAPHIC/UNDERGROUND SURVEY COMPLETED BY A REGISTERED LAND SURVEYOR AS PER THE SPECIFICATIONS OUTLINED WITHIN THE CONTRACT DOCUMENT;
 - GEOTECHNICAL ENGINEER CERTIFICATION LETTER, WHICH INCLUDES SUB-GRADE COMPACTION RESULTS, BEDDING AND BACKFILL COMPACTION AND MATERIAL ACCEPTANCE, GRANULAR, ASPHALT, SITE CONCRETE MATERIAL ACCEPTANCE AND COMPACTION RESULTS;
 - CCTV INSPECTION OF FLUSHED STORM AND SANITARY PIPES AND STRUCTURES;

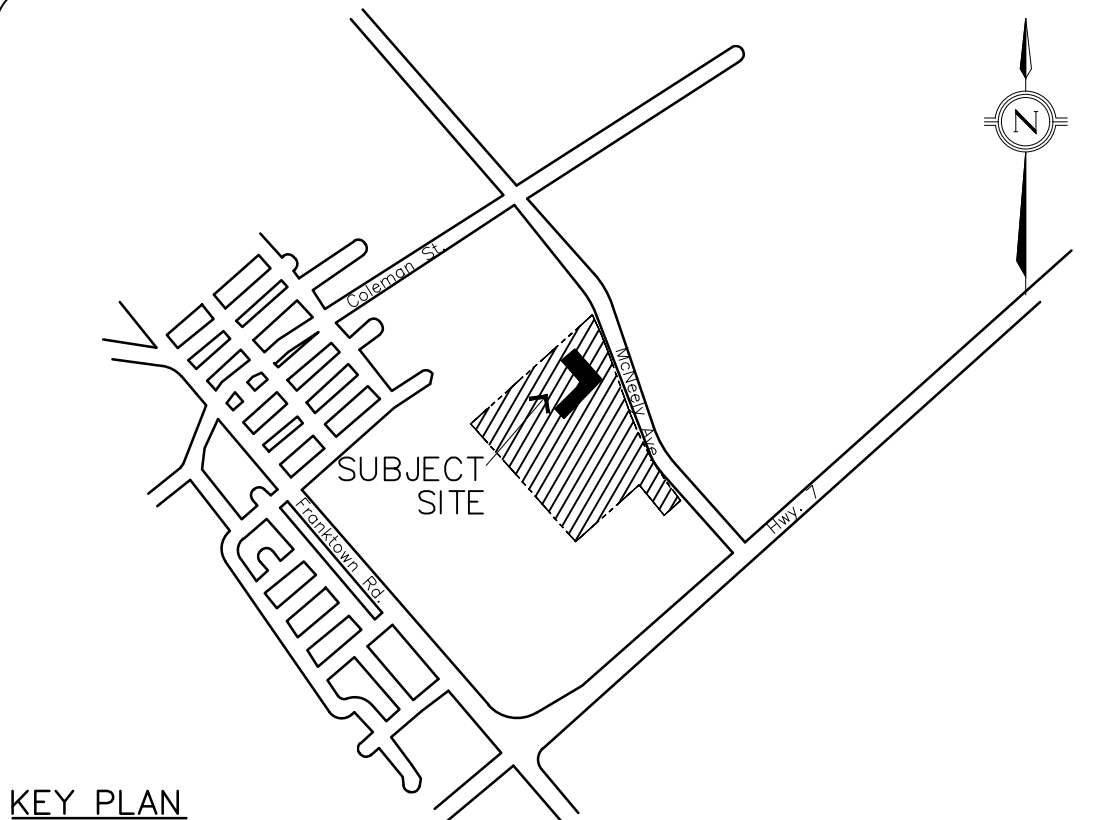
2. SHOULD THE SUBMITTED MATERIALS INDICATE NON-CONFORMANCE OR DEFICIENCIES, THEY MUST BE ADDRESSED TO THE SATISFACTION WITH AN UPDATED SUBMITTAL PRIOR TO ISSUANCE OF A LETTER OF GENERAL CONFORMANCE/FINAL CERTIFICATION.
3. COUNTERPOINT MUST ALSO COMPLETE ANY SITE INSPECTIONS AS NEEDED TO CONFIRM SERVICING INFRASTRUCTURE AND GRADING HAS BEEN CONSTRUCTED IN GENERAL CONFORMANCE OF THE APPROVED DRAWINGS.

SITE GRADING NOTES

1. INSPECTION OF SUBGRADE REQUIRED BY GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF GRANULAR MATERIALS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF INSPECTIONS WITH GEOTECHNICAL CONSULTANT.
2. ALL DISTURBED GRASSED AREAS OUTSIDE OF PROPERTY LIMITS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, WITH SOD ON MINIMUM 100mm TOPSOIL. ALL TREE AND SHRUB RELOCATION SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT.
3. COMPACTION OF ALL MATERIALS AS PER GEOTECHNICAL RECOMMENDATIONS.
4. BARRIER CURB WITHIN THE SITE TO BE CONSTRUCTED AS PER OPSD 600.110. HEIGHT OF EXPOSED CURB FACE TO ALL BE 0.15m UNLESS OTHERWISE SHOWN IN SITE GRADING PLAN. ALL BARRIER CURBS, FLUSH BARRIER CURB, AND SIDEWALKS AS SHOWN ON THIS DRAWING ARE TO BE PRICED IN THE SITEWORKS PORTION OF THE CONTRACT. CONCRETE PADS, SIDEWALKS, CONCRETE APRONS ABUTTING THE BUILDING ARE TO BE PRICED IN THE BUILDING PORTION OF THE CONTRACT.
5. REFER TO ARCHITECTURAL SITE PLAN FOR ALL DIMENSIONS AND SITE DETAILS INCLUDING RAMPS, WALKWAYS, SIDEWALKS, CURBS, CONCRETE PADS AND ISLANDS.
6. EMBANKMENTS TO BE SLOPED AT MAX. 3:1, UNLESS OTHERWISE SPECIFIED.
7. METHOD OF TERMINATION FOR CONCRETE CURB AND GUTTER AS PER OPSD 608.010.
8. ENGINEERED FILL USED UNDERNEATH THE PROPOSED BUILDING FLOOR SLAB, USED TO BACKFILL AREAS OF SUB-EXCAVATIONS, OR TO RAISE THE EXISTING GRADE TO THE DESIGNED FINISHED SUBGRADE ELEVATION, SHALL BE GEOTECHNICAL ENGINEER AS PER RECOMMENDATIONS.
9. ALL IMPORT FILL MATERIAL MUST BE APPROVED BY THE GEOTECHNICAL AND ENVIRONMENTAL PRIOR TO PLACEMENT ON THE SITE.
10. PERFORATED SUBDRAINS ARE TO BE CONNECTED TO INTERNAL CATCHBASINS AND AS PER DETAIL ON DRAWING SW-D2. CONTRACTOR IS TO ENSURE POSITIVE DRAINAGE INTO SUBDRAINS.
11. PERFORATED SUBDRAINS SHALL BE PLACED AT THE SUBGRADE INTERFACE BETWEEN HEAVY DUTY ASPHALT AND LIGHT DUTY ASPHALT 300mm BELOW THE BOTTOM OF THE UNDERSIDE OF PARKING LOT SUB-BASE AND CONNECTED TO THE CATCHBASINS/MANHOLES TO PROVIDE POSITIVE DRAINAGE. SUBDRAIN PIPE TO BE 100mm PERFORATED, CORRUGATED, POLYETHYLENE ENCASED IN FILTER FABRIC "SOCK" AS PER OPSS 405 AND 1860. BACKFILL WITH 19mm WELL GRADED FREE DRAINING GRANULAR MATERIAL.
12. REFER TO LANDSCAPE DRAWINGS FOR LOCATION AND TYPE OF ALL HARD LANDSCAPE SURFACE INCLUDING CONCRETE SIDEWALKS, CONCRETE ISLANDS, PAVING STONES, COLORED CONCRETE ETC. IN THE EVENT OF A DISCREPANCY, THE CONTRACTOR SHALL INFORM THE ENGINEER.
13. RECYCLED, RECLAIMED OR PROCESSED GRANULAR MATERIAL IS CONSIDERED AN ALTERNATIVE AND SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY GEOTECHNICAL ENGINEER.
14. FOR TREE REMOVAL/PRESERVATION REFER TO LANDSCAPE DRAWINGS.

PAVING NOTES

1. ALL GRANULAR BASE MATERIALS SHALL BE COMPACTED AS PER GEOTECHNICAL RECOMMENDATIONS.
2. INSPECTION OF SUB-GRADE REQUIRED BY GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF PAVEMENT STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF INSPECTIONS WITH GEOTECHNICAL CONSULTANT.
3. LIGHT DUTY PAVEMENT TO BE CONSTRUCTED AS FOLLOWS:
 - 50mm HL3 ASPHALTIC CONCRETE
 - 150mm OPSS GRANULAR 'A' BASE
 - 250mm OPSS GRANULAR 'B' SUB-BASE.
4. HEAVY DUTY PAVEMENT TO BE CONSTRUCTED AS FOLLOWS:
 - 40mm HL3 ASPHALTIC CONCRETE
 - 50mm HL8 ASPHALTIC CONCRETE
 - 150mm OPSS GRANULAR 'A' BASE
 - 300mm OPSS GRANULAR 'B' TYPE I OR II SUB-BASE.
5. ALL PAVEMENT MARKING, LINE PAINTING, DIRECTIONAL LINES/ARROWS ETC. SHALL BE PLACED IN ACCORDANCE WITH THE ARCHITECTURAL SITE PLAN. LINE PAINTING AND DIRECTIONAL SYMBOLS SHALL BE APPLIED WITH A MINIMUM OF TWO COATS OF ORGANIC SOLVENT BASED PAINT IN ACCORDANCE WITH OPSS 17.12.



KEY PLAN

LEGEND

LEGAL & TOPOGRAPHY

PROVIDED BY: STANTEC GEOMATICS LTD.
309-1331 CLYDE AVENUE
OTTAWA, ON
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BENCHMARK AND ELEVATION

ELEVATIONS ARE REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM (CGVD-1928:1978) AND ARE DERIVED FROM BENCHMARK MONUMENT No. 001915U600, HAVING A PUBLISHED ELEVATION OF 137.152 METRES.

1. ISSUED FOR CLASS 3 --DEVELOPMENT PERMIT APPLICATION	FEB. 25, 2025	GR
No.	REVISIONS/ISSUED	DATE BY CITY

counterpoint
ENGINEERING
A SUBSIDIARY OF DILLON CONSULTING LIMITED
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ENGINEER'S STAMP

APPLICANT:

CALLOWAY REIT (CARLETON)
3200 HIGHWAY 7
VAUGHAN, L4K 5Z5

SITE LOCATION:

MCNEELY AVENUE & HWY#7
CARLETON PLACE, ONTARIO

SITE PLAN FILE No.:TBD

PHASE 2 - BUILDING 'F' NOTES

DESIGNED BY: G.R.	CHECKED BY:J.H.	DATE: JANUARY 2025
DRAWING BY: J.Y.	CHECKED BY:G.R.	PROJECT NO. 23080
SWM BY:	CHECKED BY:	
SCALE: 1:400		DRAWING NO. SW-N2