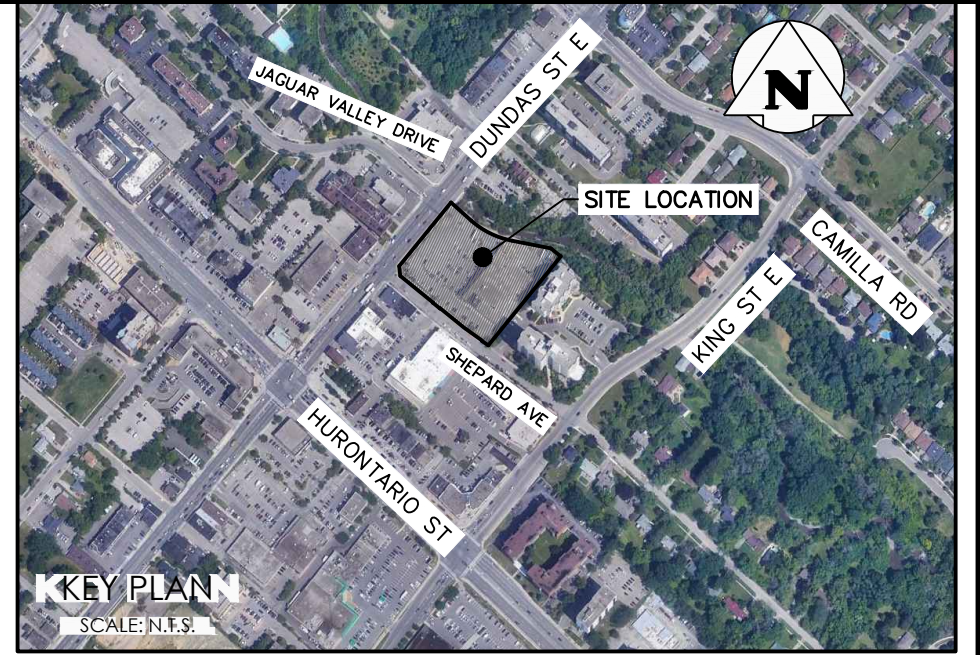


MANDATORY EROSION & SEDIMENT CONTROL NOTES (CVC)

- BE ADVISED THAT THE CREDIT VALLEY CONSERVATION AUTHORITY MAY, AT ANY TIME, WITHDRAW THIS PERMISSION, IF, IN THE OPINION OF THE AUTHORITY, THE CONDITIONS OF THE PERMIT ARE NOT BEING COMPLIED WITH. THIS APPROVAL DOES NOT EXEMPT THE PROPERTY OWNER/APPLICANT/AGENT FROM THE PROVISIONS OF ANY OTHER FEDERAL, PROVINCIAL OR MUNICIPAL STATUTES, REGULATIONS OR BY-LAWS, OR ANY RIGHTS UNDER COMMON LAW.
- FOLLOWING INSTALLATION OF THE PROPOSED ESC MEASURES, A QUALIFIED AGENT OF THE PROPONENT, PREFERABLY AN ENVIRONMENTAL MONITOR, WILL CONDUCT REGULAR SITE VISITS TO MONITOR ALL WORKS, PARTICULARLY THE CONDITION OF THE ESC MEASURES, DEWATERING, AND IN- OR NEAR-WATER WORKS. SHOULD CONCERNS ARISE, THE ENVIRONMENTAL MONITOR WILL CONTACT THE PROPONENT, CVC, AND ANY OTHER APPROPRIATE PARTIES.
- ALL CONSTRUCTION ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF DEBRIS, SEDIMENTS, OR OTHER DELETERIOUS PRODUCTS TO THE WATERCOURSE OR WETLAND. EQUIPMENT MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30 METRES FROM THE WATERCOURSE/WETLAND.
- SEDIMENT LADEN RUNOFF FROM DISTURBED AREAS TO THE WATERCOURSE OR NATURAL FEATURE IS NOT ALLOWED. ALL DEWATERING SHALL BE TREATED AND THEN RELEASED 30 METRES FROM A WATERCOURSE OR WETLAND. DISCHARGE IS TO BE RELEASED TO AN UNDISTURBED NATURAL AREA. THESE CONTROL MEASURES SHALL BE MONITORED AND MAINTAINED OR REVISED TO ENSURE WATER QUALITY TARGETS ARE BEING ACHIEVED.
- PLEASE REFER TO ESC GUIDELINE FOR URBAN CONSTRUCTION (DECEMBER 2006) FOR THE DESIGN AND DESIGN ALTERATION OF ESC MEASURES. ESC MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATERCOURSE/NATURAL AREAS. ESC MEASURES ARE TO BE EVALUATED ON A WEEKLY BASIS AND AFTER ANY STORM EVENT. ANY REPAIRS REQUIRED ARE TO BE RECTIFIED IMMEDIATELY.
- THE EROSION AND SEDIMENT CONTROL (ESC) PLAN IS A DYNAMIC DOCUMENT, WHICH MAY BE SUBJECT TO CHANGE OR MODIFICATIONS AS A RESULT OF SITE DEVELOPMENTS OR CHANGES ON SITE. ANY DEVIATION FROM APPROVED PLANS MUST BE DESIGNED BY A QUALIFIED PROFESSIONAL.
- ADDITIONAL ESC MATERIALS (I.E. SILT FENCE, FILTER SOCKS, STRAW BALES, CLEAR STONES, ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIRS.
- THE PROJECT PROPONENT OR THEIR REPRESENTATIVE IS ULTIMATELY RESPONSIBLE FOR CONTROLLING SEDIMENT AND EROSION WITHIN THE CONSTRUCTION SITE FOR THE TOTAL PERIOD OF THE CONSTRUCTION.
- DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES. ALL DISTURBED GROUND LEFT INACTIVE FOR MORE THAN 30 DAYS SHALL BE STABILIZED USING APPROPRIATE EROSION CONTROL MEASURES AND AN APPROPRIATE NATIVE NON-INVASIVE SEED MIX OR WITH THE FINAL APPROVED RESTORATION PLAN.
- ANY SEDIMENT SPILL FROM THE SITE SHOULD BE REPORTED TO MINISTRY OF ENVIRONMENT (SPILL ACTION CENTER) AT 1-800-268-6060.
- IF EXCESSIVE SILTATION RESULTS FROM THE CONSTRUCTION ACTIVITIES, THE ONSITE SUPERVISOR/INSPECTOR AND/OR CVC RESERVE THE RIGHT TO REQUEST ADDITIONAL ESC MEASURES WHICH WOULD BE INSTALLED PRIOR TO FURTHER CONSTRUCTION ACTIVITIES.

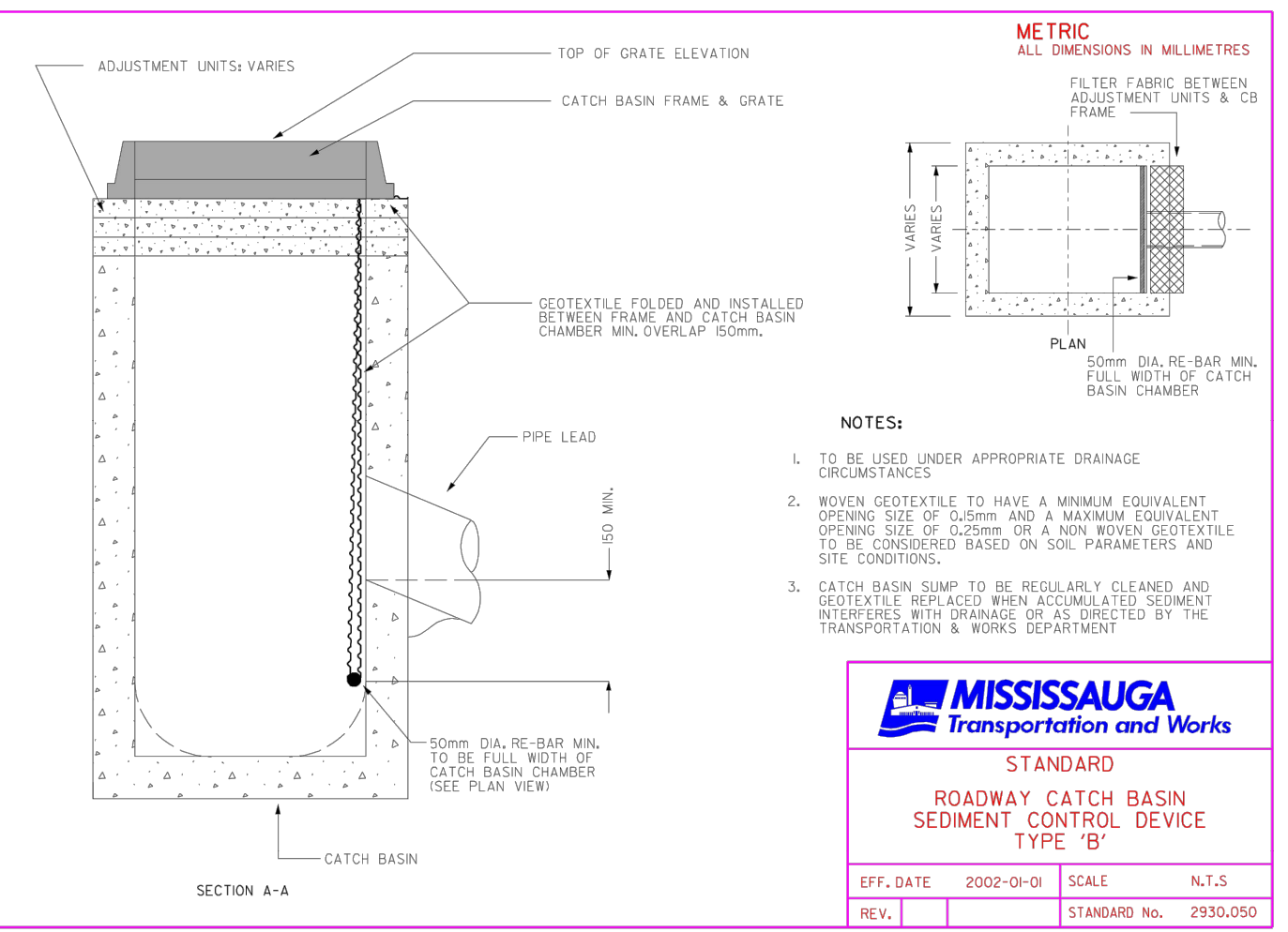
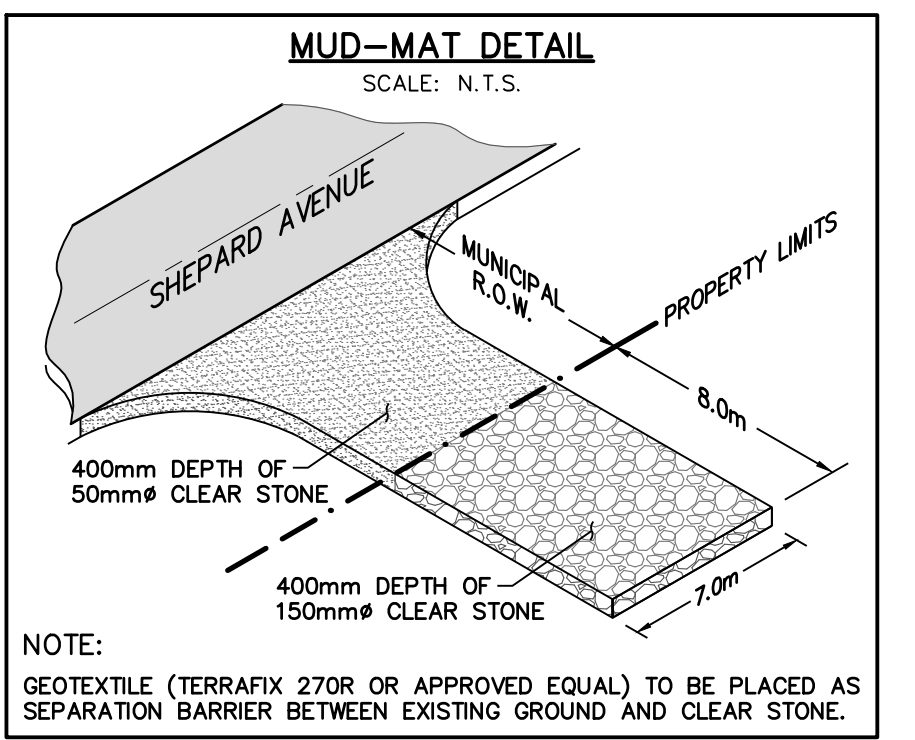
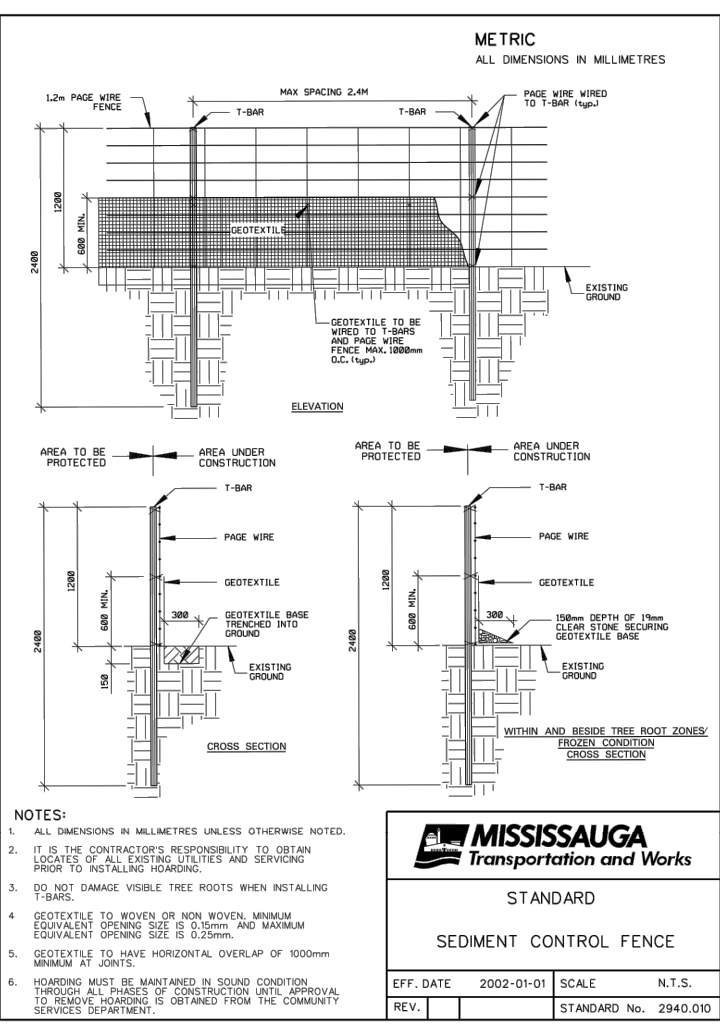
SITE-SPECIFIC NOTES

- THE CONTRACTOR SHALL MONITOR WEATHER FORECASTS TO ENSURE THAT THE WORKS WILL BE CONDUCTED IN FAVOURABLE WEATHER. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL CONSTRUCTION EQUIPMENT AND MATERIALS THAT WOULD HAVE POTENTIAL TO CAUSE A SPILL OR OBSTRUCTION (I.E. FUEL TANKS, PORTABLE TOILETS, MACHINERY, ETC.) FROM THE WETLAND IN THE CASE OF A LARGE STORM EVENT.
- CROSSING AN ACTIVE WATERCOURSE OR WETLAND BY EQUIPMENT, VEHICLES, PERSONNEL, ETC. IS NOT PERMITTED UNLESS APPROVED BY CVC. ALL ACCESS TO WORK SITES SHALL BE FROM EITHER SIDES OF THE WATERCOURSE OR WETLAND.
- ALL IN-WATER AND NEAR WATER WORKS WILL BE CONDUCTED IN THE DRY AND MUST BE STAGED WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS. PLAN THE WORK ACCORDINGLY WITH THE WEATHER FORECAST.
- AN AFTER-HOURS CONTACT NUMBER IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES. ALL THE PLANS SHOULD HAVE NAME AND CONTACT INFO OF THE PERSON RESPONSIBLE FOR ESC MEASURES.



LEGEND

---	PROPERTY LINE
---	EXISTING CONTOUR (0.5m)
---	EXISTING CONTOUR (1.0m)
---	EXISTING FENCE
---	EXISTING GRADE
SF	PR. SEDIMENT CONTROL FENCE
	EXISTING UTILITY REMOVAL
W	EXISTING WATERSERVICE
E	EXISTING ELECTRICAL SERVICE
BT	EXISTING BELL TELEPHONE
F/O	EXISTING FIBER OPTIC
GS	EXISTING GAS SERVICE
GM	EXISTING GAS MAIN
○	TEMPORARY CATCHBASIN SILTATION CONTROL DEVICE (SILTSACK)
→	EXISTING OVERLAND FLOW DIRECTION
→	REGIONAL OVERLAND FLOW DIRECTION
→	EXISTING REGIONAL FLOODPLAIN



2	ISSUED FOR OPA, ZBA & SPA	2022/DEC/15
1	ISSUED ADDITIONAL FIGURES PER CITY REQUEST	2022/JUN/02
0	ISSUED FOR FIRST SUBMISSION (ZBA)	2022/FEB/22
No.	ISSUE / REVISION	YYYY/MM/DD

ELEVATION NOTE:
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE DERIVED FROM THE CITY OF MISSISSAUGA BENCHMARK 793. ELEVATION=110.995. DESCRIPTION: ON THE NORTH FACE AT THE EAST CORNER OF CONCRETE END POST OF BOX CULVERT UNDER DUNDAS STREET EAST, ON SOUTH SIDE OF DUNDAS STREET EAST, 15.0m EAST OF JAGUAR VALLEY DRIVE.

SURVEY NOTES:
TOPOGRAPHIC INFORMATION BASED ON PLAN BY ASKAN PILLER CORPORATION LTD. DATED APRIL 5, 2021 AND UPDATED ON FEBRUARY 4, 2022. REFERENCE No. 20-21-14108-00.

BEARINGS ARE UTM GRID, DERIVED FROM GNSS OBSERVATIONS, USING REAL TIME KINEMATIC SERVICE, ON MONUMENTS 1 & 2, HAVING A BEARING OF N 39°02'10"E, AND ARE REFERRED TO THE CENTRAL MERIDIAN OF UTM ZONE 17 (81°00' WEST LONGITUDE) NAD83 (CRCS) (2010). (EXCEPT COMPARISONS)

SITE PLAN NOTES:
SITE PLAN INFORMATION BASED ON PLANS BY CHAMBERLAIN ARCHITECT SERVICES LIMITED, DATED 2022-01-13, REVISION 3. PROJECT No. 121022, DRAWING No. 102

DRAWING NOTES:
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ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

Project
**60 DUNDAS STREET EAST
CITY OF MISSISSAUGA**

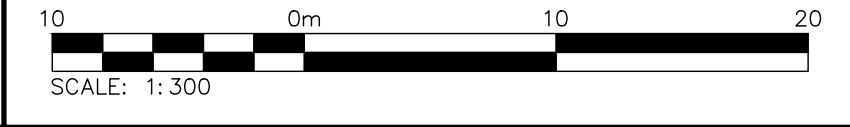
Drawing
**EROSION, SEDIMENT CONTROL
AND REMOVALS PLAN**

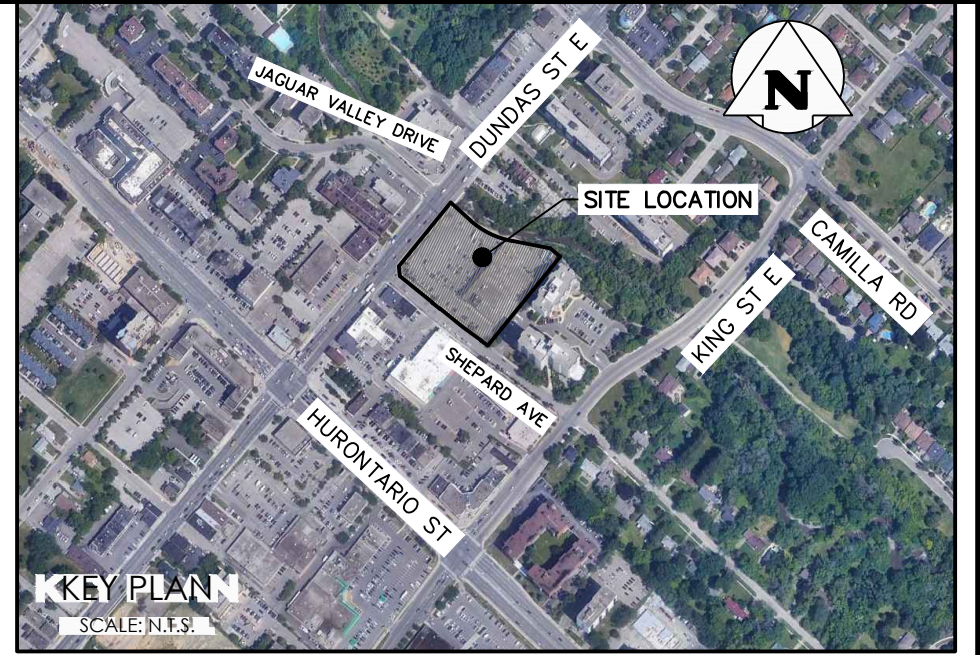
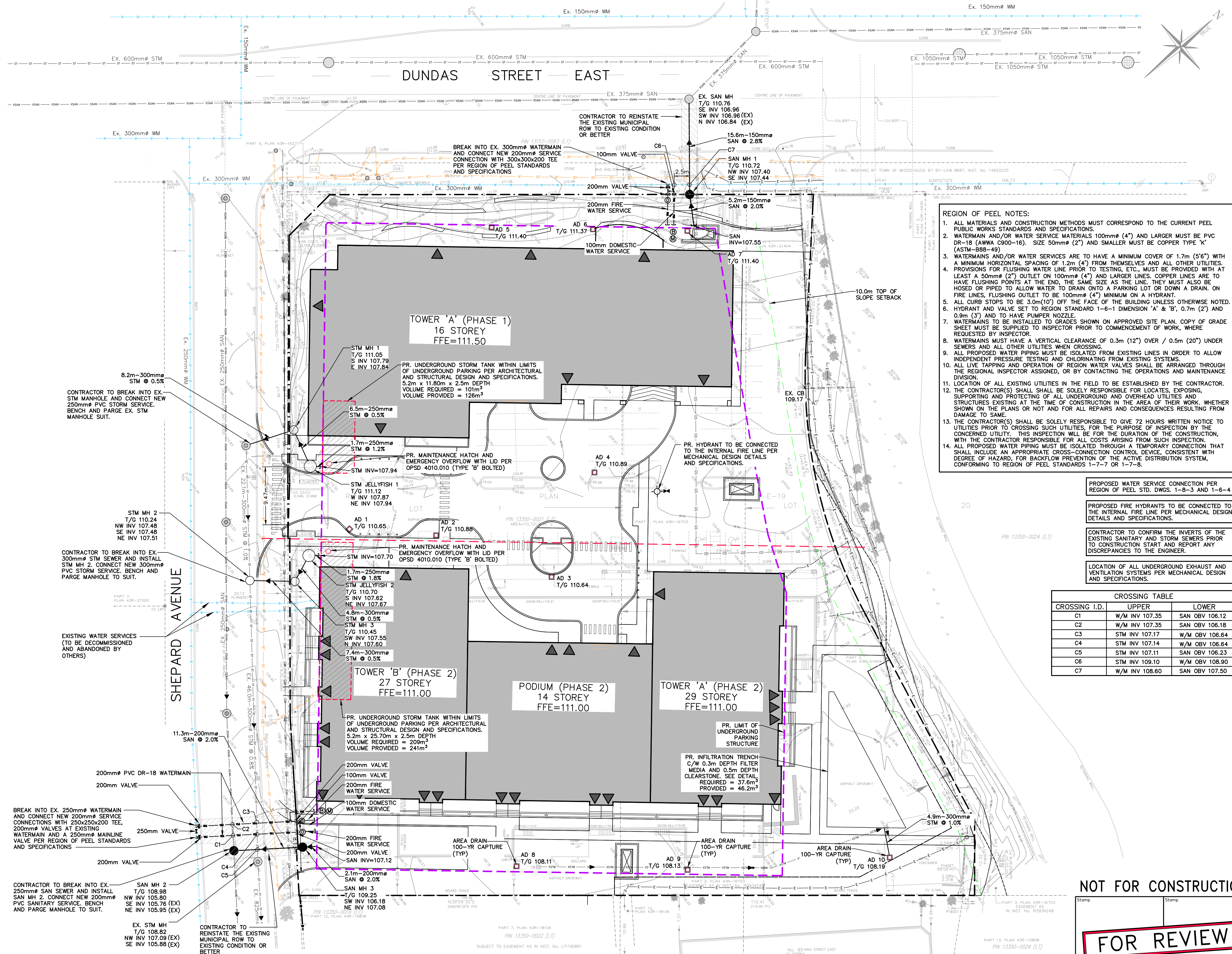
NOT FOR CONSTRUCTION

Stamp
FOR REVIEW

CROZIER CONSULTING ENGINEERS
2800 HIGH POINT DRIVE SUITE 100 MILTON, ON L9T 6P4 905-875-0026 T 905-875-4915 F WWW.CFCROZIER.CA

Drawn	M.I.M.	Design	M.I.M./B.W.	Project No.	2234-6274
Check	B.W.	Check	B.W.	Scale	1:300
				Dwg	C 101





LEGEND

- PROPERTY LINE
- EXISTING WATERMAIN & GATE VALVE
- EXISTING STORM SEWER & MANHOLE
- EXISTING SINGLE / DOUBLE CATCHBASIN
- EXISTING SANITARY SEWER & MANHOLE
- PROPOSED WATERMAIN & GATE VALVE
- EXISTING FIRE HYDRANT & GATE VALVE
- ⊙ PROPOSED WATER METER INSTALLED IN BUILDING PER MECHANICAL DESIGN AND SPECIFICATIONS. (100mm PER REGION STD. 1-4-3)
- ⊙ PROPOSED BACKFLOW PREVENTOR INSTALLED IN BUILDING PER MECHANICAL DESIGN AND SPECIFICATIONS.
- ⊙ PROPOSED DETECTOR CHECK VALVE IN CHAMBER INSTALLED PER REGION OF PEEL STD 1-3-1 FOR CHECK VALVE & 1-1-5 FOR CHAMBER
- PROPOSED STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- ▶ BUILDING ENTRANCE (PERSONNEL DOOR)
- AD □ PROPOSED AREA DRAIN PER MECHANICAL DESIGN AND SPECIFICATIONS
- LIMITS OF UNDERGROUND
- W --- EXISTING WATERSERVICE
- E --- EXISTING ELECTRICAL SERVICE
- BT --- EXISTING BELL TELEPHONE
- F/O --- EXISTING FIBER OPTIC
- GS --- EXISTING GAS SERVICE
- CM --- EXISTING GAS MAIN

REGION OF PEEL NOTES:

- ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
- WATERMAIN AND/OR WATER SERVICE MATERIALS 100mm (4") AND LARGER MUST BE PVC DR-18 (AWWA C900-16). SIZE 50mm (2") AND SMALLER MUST BE COPPER TYPE 'K' (ASTM-B88-49).
- WATERMANS AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7m (5'6") WITH A MINIMUM HORIZONTAL SPACING OF 1.2m (4') FROM THEMSELVES AND ALL OTHER UTILITIES.
- PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC., MUST BE PROVIDED WITH AT LEAST A 50mm (2") OUTLET ON 100mm (4") AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW WATER TO DRAIN ONTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100mm (4") MINIMUM ON A HYDRANT.
- ALL CURB STOPS TO BE 3.0m(10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
- HYDRANT AND VALVE SET TO REGION STANDARD 1-6-1 DIMENSION 'A' & 'B', 0.7m (2") AND 0.9m (3") AND TO HAVE PUMPER NOZZLE.
- WATERMANS TO BE INSTALLED TO GRADES SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
- WATERMANS MUST HAVE A VERTICAL CLEARANCE OF 0.3m (12") OVER / 0.5m (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
- ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED, OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
- LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK. WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
- THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
- ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARDS 1-7-7 OR 1-7-8.

PROPOSED WATER SERVICE CONNECTION PER REGION OF PEEL STD. DWGS. 1-8-3 AND 1-6-4

PROPOSED FIRE HYDRANTS TO BE CONNECTED TO THE INTERNAL FIRE LINE PER MECHANICAL DESIGN DETAILS AND SPECIFICATIONS.

CONTRACTOR TO CONFIRM THE INVERTS OF THE EXISTING SANITARY AND STORM SEWERS PRIOR TO CONSTRUCTION START AND REPORT ANY DISCREPANCIES TO THE ENGINEER.

LOCATION OF ALL UNDERGROUND EXHAUST AND VENTILATION SYSTEMS PER MECHANICAL DESIGN AND SPECIFICATIONS.

CROSSING TABLE

CROSSING I.D.	UPPER	LOWER
C1	W/M INV 107.35	SAN OBV 106.12
C2	W/M INV 107.35	SAN OBV 106.18
C3	STM INV 107.17	W/M OBV 106.64
C4	STM INV 107.14	W/M OBV 106.64
C5	STM INV 107.11	SAN OBV 106.23
C6	STM INV 109.10	W/M OBV 108.90
C7	W/M INV 108.60	SAN OBV 107.50

No.	ISSUE / REVISION	DATE
2	ISSUED FOR OPA, ZBA & SPA	2022/DEC/15
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SITE PLAN NOTES:
SITE PLAN INFORMATION BASED ON PLANS BY CHAMBERLAIN ARCHITECT SERVICES LIMITED, DATED 2022-01-13, REVISION 3. PROJECT No. 121022, DRAWING No. 102

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ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

Project: **60 DUNDAS STREET EAST**
CITY OF MISSISSAUGA

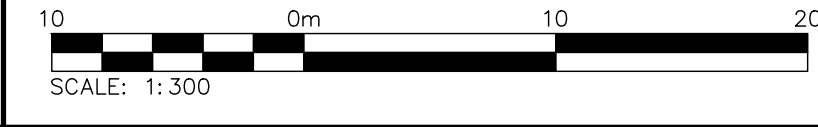
Drawing: **SITE SERVICING PLAN**

NOT FOR CONSTRUCTION

FOR REVIEW

CROZIER CONSULTING ENGINEERS
2800 HIGH POINT DRIVE SUITE 100 MILTON, ON L9T 6P4 905-875-0026 905-875-4915 WWW.CFCROZIER.CA

Drawn	M.I.M.	Design	M.I.M./B.W.	Project No.	2234-6274
Check	B.W.	Check	B.W.	Scale	1:300
				Dwg	C 103



DRIVEWAY DIMENSIONS

LAND USE	WIDTH		RADIUS m
	ONE-WAY	TWO-WAY	
Light Industrial, Commercial, and Apartment	4.5 min	7.2 min	4.5 min
Heavy Industrial	5.0 min	9.0 min	15.0 min

NOTES:
A: All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING
Nov 2018 | Rev 2
URBAN INDUSTRIAL, COMMERCIAL, AND APARTMENT ENTRANCES
OPSD 350.010

METRIC
ALL DIMENSIONS IN MILLIMETRES

NOTES:
1. DEPTH OF SIDEWALK TO BE 80mm AT COMMERCIAL OR INDUSTRIAL OPERATIONS.
2. ALL FILL SECTIONS UNDER GRAN 'A' TO BE COMPACTED SAND.
3. EXPANSION JOINTS ARE REQUIRED IN SIDEWALK AT 600mm INTERVALS AND:
a) BETWEEN SIDEWALK AND ADJACENT CURB
b) ADJACENT TO EXISTING STRUCTURES: WALLS, CURBS, UTILITY POLES, HYDRANTS, MANHOLES, ETC. ON AT THE DISCRETION OF THE COMMISSIONER OF TRANSPORTATION AND WORKS
4. DUMMY JOINTS SHALL HAVE STANDARD SPACING OF 2000mm AND WILL BE FORMED AFTER THE CONCRETE HAS RECEIVED ITS METAL SET
5. WHEN SIDEWALKS ARE ADJACENT TO CURBS, EXPANSION JOINTS SHALL CONFORM WITH CURB EXPANSION JOINTS
6. AGGREGATE MATERIALS CONTAINING RECLAIMED PORTLAND CEMENT SHALL NOT BE USED FOR SIDEWALKS. FILL SHALL BE 100% GRANULAR MATERIAL. ALL SIDEWALKS SHALL BE FINISHED WITH PERCENTAGE OF SPHALT COATED PARTICLES, AS DETERMINED BY THE COMMISSIONER OF TRANSPORTATION AND WORKS.

MISSISSAUGA
Leading Today for Tomorrow

STANDARD CONCRETE SIDEWALK

EFF. DATE	2002-09-01	SCALE	N.T.S.
REV. 1		STANDARD NO.	2240.030

LEGEND

- M VALVE & BOX
- ⊕ TRENCH CHECK VALVE IN CHAMBER
- ⊖ CHECK VALVE IN CHAMBER
- ⊕ TAPPING SLERVE & VALVE & BOX
- TEE
- ⊕ FIRE HYDRANT GW VALVE & BOX
- ⊖ DIRECTION OF WATER FLOW
- ⊕ METER IN CHAMBER
- M METER
- ⊕ SHARPING SANITARY MAINTENANCE HOLE

Region of Peel
PUBLIC WORKS STANDARD DRAWING
REV. DATE: NOVEMBER 2011

APPROVED BY	DRAWN BY
S.D. NO.	SCALE
1-8-3	N.T.S.

WATERMANS

- THESE NOTES ARE TO BE READ IN CONJUNCTION WITH REGION OF PEEL STANDARDS. IF ANY DISCREPANCIES ARISE, THE REGION OF PEEL STANDARDS WILL GOVERN.
- BEDDING & EMBEDMENT TO REGION OF PEEL STANDARD - 1-5-1. WATERMAIN SUPPORT BRIDGING DISTURBED GROUND TO REGION OF PEEL STANDARD - 1-5-2.
- TRENCH BACKFILL TO BE SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
- SERVICE CONNECTIONS TO REGION OF PEEL STD. 1-8-3. FIRE LINE AND DOMESTIC CONNECTION TO REGION OF PEEL STD. 1-8-3.
- BEDDING & EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S SPMD.
- MINIMUM COVER ON WATERMAIN AND SERVICES TO BE 1.7m BELOW FINISHED GRADE.
- CLEARANCE BETWEEN WATERMAIN AND SEWERS TO BE A MINIMUM OF 0.5m VERTICAL WHERE WATER MAIN IS ABOVE SEWER OR 2.5m MINIMUM HORIZONTAL SEPARATION.
- SERVICES TO BE DIRECT TAP.
- CONTRACTOR SHALL OPERATE EACH WATER SERVICE TO VERIFY FULL FLOW AND PRESSURE AT THE CURB STOP TO THE SATISFACTION OF THE ENGINEER.
- VALVE & BOX - MUELLER A769 WITH GUIDE PLATE; CLOW-BIBBY VB 1100/RB645.
- MECHANICAL JOINT FITTINGS - ANSI A21.53 (A.W.W.A C151) SPECIFICATIONS; HYPROTEC FITTING SHALL BE USED WITH HYPROTEC PIPE INSTALLATION.
- ALL PVC WATERMANS SHALL BE EQUAL TO AWWA C-900 CLASS 150, DR 18.
- ALL PVC WATERMANS SHALL BE INSTALLED WITH A 12 GAUGE STRANDED COPPER TWC TRACER WIRE IN ACCORDANCE WITH REGION OF PEEL STANDARDS.
- VALVE IN BOXES SHALL BE INSTALLED AS PER REGION OF PEEL STD. 1-3-8.
- MAINLINE VALVES TO BE RESTRAINED AS PER REGION OF PEEL STD. 1-3-3A.
- CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AS PER REGION OF PEEL STANDARDS.
- THE OPERATION OF EXISTING WATERMAIN VALVES SHALL BE CONDUCTED AS REQUIRED BY THE REGION OF PEEL.
- THE NEW WATERMAIN TO BE TAPPED FOR WATER SERVICES MUST BE ISOLATED FROM THE EXISTING WATERMAIN TO MAINTAIN PRESSURE IN THE NEW MAIN DURING INSTALLATION OF SERVICES. 25mm BY-PASS WITH AN APPROVED DIFFERENTIAL BACKFLOW PREVENTORS IS TO BE INSTALLED AROUND THE CLOSED VALVE.
- FIRE HYDRANTS SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD C-502, SHALL BE LISTED WITH ULC AND FM, AND BE PROVIDED WITH THE FOLLOWING:
- 2 (ONLY) 63.5mm HOSE NOZZLES WITH CSA STANDARD THREAD, 5TPI, 73.4mm OD, MUELLER CODE 12B;
- 1 (ONLY) 100mm STORZ PUMPER CONNECTION AS PER ULC S-520.
- HYDRANTS OPEN COUNTER CLOCKWISE (OPEN LEFT), 51.75mm NUTS.
- FIRE HYDRANTS SHALL BE LOCATED AND PLACED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE AND SCHEDULE 'A' OF THE CITY OF MISSISSAUGA BY-LAW 1036-81. HYDRANTS THAT MAY BE SUBJECT TO VEHICLE DAMAGE SHALL BE PROTECTED WITH 100mm DIAMETER, CONCRETE FILLED, STEEL PIPE BOLLARDS. UPON COMPLETION OF THE HYDRANT FLOW TESTING, COPIES OF THE FLOW TEST RESULTS ARE TO BE DISTRIBUTED TO THE FOLLOWING VIA E-MAIL OR HARD COPY:
- ENGINEER
- BUILDING INSPECTOR
-

CONSTRUCTION (GENERAL)

- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH CURRENT ONTARIO BUILDING CODE, CITY OF MISSISSAUGA STANDARDS, REGION OF PEEL STANDARDS, OPSS & OPSS WHERE CONFLICT OCCURS, CITY OF MISSISSAUGA STANDARDS TO GOVERN FOR STORMWATER, ROADWORKS & INTERNAL GRADING; REGION OF PEEL STANDARDS TO GOVERN FOR SANITARY & WATERMAIN INSTALLATION.
- ALL TOPSOIL & EARTH EXCAVATION TO BE REMOVED TO AN APPROVED SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DETAILED LAYOUT OF THE WORK.
- ALL PROPERTY BARS TO BE PRESERVED AND REPLACED BY O.L.S. AT CONTRACTOR'S EXPENSE IF REMOVED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR THE SUPPLY OF TEMPORARY WATER & POWER.
- IF REQUIRED, DEWATERING TO BE CARRIED OUT IN ACCORDANCE WITH OPSS-517 & 518 TO MAINTAIN ALL TRENCHES IN A DRY CONDITION. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING M.E.C.P. PERMIT IF REQUIRED.
- ALL ENGINE DRIVEN PUMPS TO BE ADEQUATELY SILENCED, SUITABLE FOR OPERATION IN A RESIDENTIAL DISTRICT.
- THE UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY & CONTRACTOR TO CONFIRM LOCATIONS IN ADVANCE OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO NOTIFY ALL UTILITY COMPANIES PRIOR TO COMMENCING WORK & CO-ORDINATE CONSTRUCTION ACCORDINGLY.
- THE LOCATION AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION AND/OR REPAIR OF EXISTING UTILITIES DISTURBED DURING CONSTRUCTION.
- ALL AREAS BEYOND THE SITE PLAN WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AT THE EXPENSE OF THE CONTRACTOR.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
- ALL DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
- ROAD AND BOULEVARD RESTORATION AS PER CITY OF MISSISSAUGA ROAD CUT PERMIT. THE GEOTECHNICAL SUITABILITY OF ALL THE FILL MATERIAL WILL BE ASSESSED BY THE GEOTECHNICAL ENGINEER.
- GEOTECHNICAL ENGINEER TO CONFIRM SUITABILITY OF ROAD MATERIAL DEPTHS BASED ON SUB-BASE MATERIAL.
- CONTRACTOR SHALL FLUSH AND VIDEO STORM SEWERS UPON INSTALLATION AND PROVIDE VIDEO TO ENGINEER.
- CONTRACTOR SHALL PROVIDE A DIGITAL AS-BUILT SURVEY OF ALL UNDERGROUND AND ABOVEGROUND WORKS TO THE SATISFACTION OF THE ENGINEER. THIS INCLUDES A FULL TOPOGRAPHIC SURVEY OF THE AS-BUILT GRADES.

DRIVEWAY & PARKING

- GRANULAR 'A' & 'B' BASE TO BE COMPACTED TO 98% OF THE MATERIAL'S RESPECTIVE SPMD OR AS APPROVED BY GEOTECHNICAL ENGINEER.
- THE TOP 1.0m OF THE SUB-BASE SHALL BE COMPACTED TO A MINIMUM OF 98% OF STANDARD PROCTOR DENSITY WITHIN 2% OF OPTIMUM MOISTURE CONTENT. SUBGRADE TO BE PROOF ROLLED & CERTIFIED PRIOR TO PLACING GRANULAR MATERIAL.
- DRIVEWAYS TO BE CONSTRUCTED WITH MINIMUM 150mm GRANULAR A BASE, 50mm H.L.B BINDER COURSE ASPHALT & 25mm H.L.F SURFACE COURSE ASPHALT.
- ALL GRANULAR AND ASPHALT MATERIAL PLACEMENT TO BE IN ACCORDANCE WITH OPSS 314 & OPSS 310.
- ALL GRANULAR CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF MISSISSAUGA STANDARD 2220.050.
- ALL CONCRETE SIDEWALKS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF MISSISSAUGA STANDARD 2240.010.
- ALL PEDESTAL SIDEWALK ENTRANCES AT INTERSECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH OPSS 350.010.

SANITARY SERVICES

- SANITARY SEWER BEDDING SHALL BE CLASS 'B' BEDDING AS PER REGION OF PEEL STD. 2-3-1, UNLESS OTHERWISE NOTED.
- TRENCH BACKFILL TO SELECT NATIVE MATERIAL AS APPROVED BY ENGINEER OR IMPORTED GRANULAR MATERIAL.
- BEDDING & EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMD).
- CLEAR STONE WRAPPED WITH FILTER FABRIC CAN BE SUBSTITUTED FOR EMBEDMENT MATERIAL IF APPROVED BY THE GEOTECHNICAL ENGINEER.
- SANITARY SEWER, UNLESS OTHERWISE NOTED, SHALL BE PVC SDR 35 WITH MINIMUM PIPE STIFFNESS OF 320kPa, MANUFACTURED TO C.S.A. STANDARD B182.2 (A.S.T.M. SPECIFICATION D 3034) WITH RUBBER GASKETED BELL AND SPIGOT JOINTS.
- ALL SEWERS CONSTRUCTED WITH GRADES 0.5% OR LESS, SHALL BE INSTALLED USING A LASER AND CHECKED PRIOR TO BACKFILL AT THE CONTRACTORS EXPENSE. NO ENCROACHMENT WILL BE ALLOWED ONTO PRIVATE LANDS.
- SANITARY SEWERS TO BE VIDEO INSPECTED AFTER INSTALLATION COMPLETION. PRIOR TO ASPHALT PLACEMENT AND AFTER LANDSCAPE COMPLETION. FLUSHING OF SEWER WILL BE REQUIRED IF DEBRIS IS FOUND IN THE PIPES, TO THE SATISFACTION OF THE ENGINEER.
- (MINIMUM OF 3 SEPARATE VIDEO INSPECTIONS)

CONSTRUCTION NOTES

- NO GRADING, STRUCTURES, RETAINING WALLS, CONSTRUCTION OR SITE/CONSTRUCTION ACCESS ARE PERMITTED ON OR FROM THE MUNICIPAL PARKLAND.
- THE PLACEMENT OF UNAPPROVED MATERIALS OR STRUCTURES WITHIN MUNICIPAL GREENBELT/WOODLAND BLOCKS IS NOT PERMITTED BY COMMUNITY SERVICES AT ANY STAGE OF DEVELOPMENT. THIS INCLUDES, BUT IS NOT LIMITED TO, TOPSOIL STOCKPILING, CONSTRUCTION TRAILERS AND VEHICLES, CONSTRUCTION MATERIALS AND DEBRIS, SALES/PROMOTIONAL TRAILERS AND SIGNAGE.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PARK AND TREE PRESERVATION HOARDING IN AN APPROVED AND FUNCTIONING CONDITION AS REQUIRED BY THE COMMUNITY SERVICES DEPARTMENT THROUGH ALL PHASES OF CONSTRUCTION. NOTE THAT THE SOLID BOARD HOARDING TO BE PLACED ON PRIVATE LANDS WILL FUNCTION AS HOARDING TO PROTECT CITY PARKLAND.
- INFORM THE COMMUNITY SERVICES DEPARTMENT OF THE CONSTRUCTION SCHEDULE AS IT PERTAINS TO THE MUNICIPALLY OWNED PARKLAND, ITS PROTECTIVE HOARDING, CLEAN-UPS, REINSTATEMENT AND ISSUES AFFECTING PARKLAND USE, CONSTRUCTION AND MAINTENANCE. IT IS THE RESPONSIBILITY OF THE APPLICANT TO ARRANGE FOR COMMUNITY SERVICES - PARK PLANNING SECTION INSPECTIONS AND APPROVALS AS REQUIRED.
- REMOVE CONSTRUCTION RELATED DEBRIS OR LITTER THAT HAS MIGRATED OR HAS THE POTENTIAL TO MIGRATE INTO THE ADJACENT MUNICIPALLY OWNED GREENBELT. SHOULD THE CONTRACTOR/APPLICANT FAIL TO DO SO, ARRANGEMENTS WILL BE MADE TO DRAW ON THE SUBMITTED PARK PROTECTION AND REINSTATEMENT SECURITIES TO FUND PARK CLEAN UP ACTIVITIES.
- PRIOR TO THE RELEASE OF SECURITIES, THE COMMUNITY SERVICES DEPARTMENT IS TO INSPECT AND APPROVE ANY REQUIRED RESTORATION, REINSTATEMENT AND/OR CLEAN UP WORKS INCLUDING HOARDING REMOVAL AND OFF-SITE DISPOSAL, CONDUCTED AT THE SHARED PROPERTY LINE WITH AND WITHIN P #96, MISSISSAUGA VALLEY PARK.
- A FULL CONSTRUCTION MANAGEMENT PLAN IS TO BE PREPARED BY THE GENERAL CONTRACTOR AND SUBMITTED TO THE CITY FOR REVIEW.

EROSION AND SEDIMENT CONTROL NOTES:

- EROSION AND SEDIMENT CONTROLS ARE TO BE CONTINUOUSLY EVALUATED AND UPGRADES ARE TO BE IMPLEMENTED, WHEN NECESSARY.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MATERIALS (IE. SILT FENCE, STRAW BALES, CLEAR STONE, ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIRS.
- AN AFTER HOURS CONTACT NUMBER IS TO BE CLEARLY POSTED ON-SITE FOR EMERGENCIES.
- THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONTROLLING SEDIMENT AND EROSION WITHIN THE CONSTRUCTION SITE FOR THE TOTAL PERIOD OF THE CONSTRUCTION. THE SEDIMENT LADEN WATER WILL NOT BE ALLOWED TO DISCHARGE TO THE CREEK.
- ALL TEMPORARY SOIL OR DIRT STOCKPILES ARE TO BE PROVIDED WITH THE NECESSARY SEDIMENT AND EROSION CONTROL FEATURES, INCLUDING SEEDING IF ANTICIPATED TO BE STORED FOR MORE THAN 1 MONTH. STOCKPILES MUST NOT BE LOCATED IN AREAS OF CONCENTRATED FLOW AND A MINIMUM OF 15m FROM THE TOP OF BANK, WATERCOURSE OR WETLAND.

DEWATERING NOTES:

- IF DEWATERING IS REQUIRED, THE INLET PUMP HEAD MUST BE COVERED WITH FILTER FABRIC OR CLEAR STONE; THE OUTLET PUMP MUST DISCHARGE TO THE SEDIMENT BAG OR BASIN; DISCHARGE FROM THE BAG IS TO BE RELEASED TO A VEGETATED LOCATION OR, IF UNAVAILABLE, A FLOW DISSIPATING SHOULD BE PROVIDED. THE SEDIMENT BAG SHOULD BE LOCATED A MINIMUM OF 15m AWAY FROM THE RECEIVING BODY. (REFER TO EROSION AND SEDIMENT CONTROL GUIDELINE FOR URBAN CONSTRUCTION - DECEMBER 2006, FIG. E9)

INSTALLATION & RESTORATION (OPEN CUT)

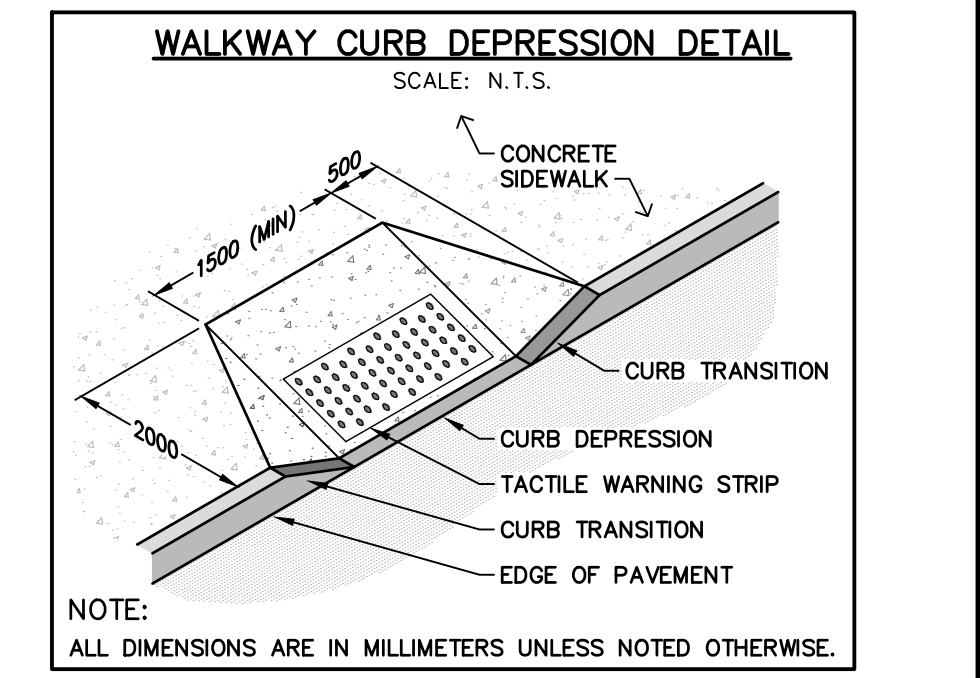
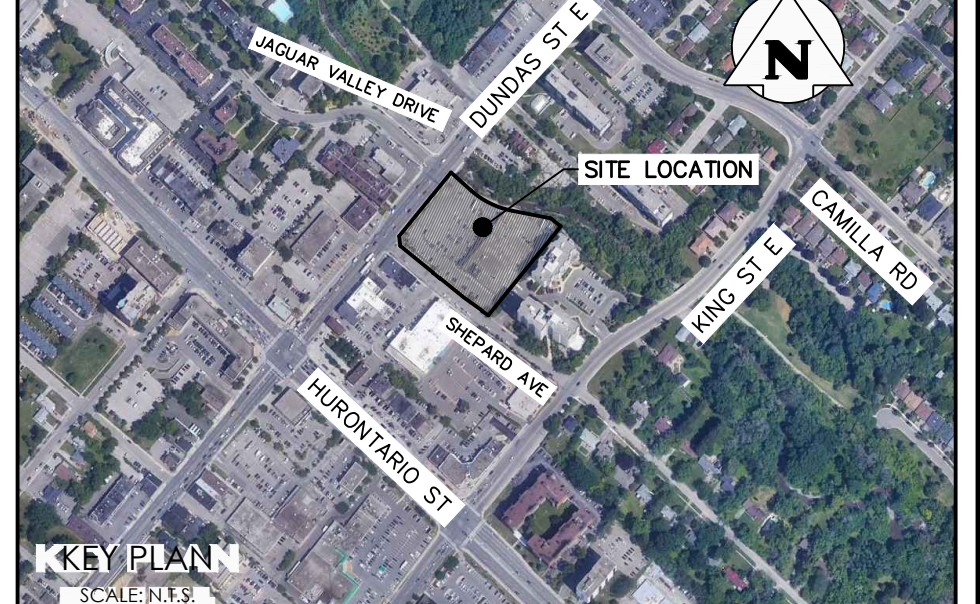
- BACKFILL MATERIALS SHALL BE OPSS GRANULAR 'A', GRANULAR 'B' & UNSHRINKABLE FILL PLACED AT THE SPECIFIED DEPTHS AS PER STANDARD 2220.030. ALL GRANULAR MATERIAL SHALL CONFORM WITH OPSS 1010 & THE UNSHRINKABLE FILL SHALL CONFORM TO OPSS 1359. STEEL PLATES SHALL BE SECURED OVER THE EXCAVATION FOR A MINIMUM OF 24 HOURS AFTER WHICH THE GRANULAR MATERIALS CAN BE PLACED. ALL GRANULAR MATERIAL SHALL BE PLACED IN 150mm LIFTS AND COMPACTED TO 100% STANDARD PROCTOR DENSITY.
- AFTER BACKFILLING THE UTILITY TRENCH, A MIN. 300mm TOTAL ASPHALT REMOVAL SHALL BE CUT ON ALL SIDES OF THE TRENCH INTO THE EXISTING PAVEMENT STRUCTURE. THE PAVEMENT STRUCTURE MATERIALS SHALL MATCH THE EXISTING PAVEMENT MATERIAL TYPES.
- ASPHALT RESTORATION SHALL BE A MINIMUM OF 40mm HL-3 & 50mm HL-8 & SHALL MATCH THE EXISTING PAVEMENT STRUCTURE. ALL ASPHALT RESTORATION SHALL BE IN COMPLIANCE WITH OPSS 310. ALL HOT-MIX MATERIAL SHALL CONFORM TO OPSS 1149, 1150 AND/OR 1154. EXPOSED ASPHALT AND CONCRETE FACES SHALL BE CLEANED AND COATED WITH AN RS-1 (OR EQUIVALENT) ASPHALT EMULSION & ALLOW TO 'BREAK' PRIOR TO COMMENCING ASPHALT PLACEMENT.
- WHEN THE REMAINING ASPHALT, FROM THE EDGE OF PAVEMENT TO THE SAWCUT IS 1.3m OR LESS, THE EXISTING ASPHALT WILL BE REMOVED FULL DEPTH & REPAVED AS PER NOTE 3. WHEN TWO OR MORE ROAD CUTS ARE REQUIRED AT A GIVEN SITE AND THE CUTS ARE LESS THAN 2.5m APART THE ENTIRE AREA MUST HAVE FULL DEPTH ASPHALT RESTORATION FROM THE OUTER LIMITS OF ALL REPAIRS.
- SIDEWALK RESTORATION SHALL BE A MINIMUM OF 1 FULL BAY INCLUDING EXPANSION JOINT MATERIAL. ALL CONCRETE SHALL BE AS PER OPSS 351. ALL SIDEWALKS SHALL BE 130mm THICK.
- SUB-DRAINS UNDER THE CURB SHALL BE RESTORED TO ENSURE THEIR OPERATION AND SHALL BE PLACED AS PER CITY OF MISSISSAUGA STANDARD DRAWING NUMBER 2220.040
- WHERE THE CURB HAS BEEN UNDERMINED TO FACILITATE SERVICING INSTALLATION THE CURB SHALL BE REMOVED AND REPLACED. CURB RESTORATION SHALL BE MINIMUM OF 2.0m OR SHALL EXTEND 0.5m BEYOND THE OUTER TRENCH EDGES WHICH EVER IS GREATER, ALL CONCRETE SHALL BE AS PER OPSS 353.
- ALL GRASSED BOULEVARDS SHALL BE RE-INSTATED WITH NUMBER 1 NURSERY SOD PLACED ON TOP OF 100mm OF TOPSOIL. ALL SOD SHALL BE PLACED WITH STAGGERED JOINTS, BE ROLLED, AND WHERE APPLICABLE, STAKED INTO THE GROUND.

STORM SEWERS

- BEDDING & EMBEDMENT MATERIAL TO BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MATERIAL'S SPMD.
- BEDDING & EMBEDMENT TO OPSS 802.010 (FLEXIBLE PIPE) GRANULAR 'A' EMBEDMENT.
- WHERE COVER OVER THE OVERTOP OF THE SEWER IS LESS THAN 1.20m, INSTALL 50mm THICKNESS OF STYROFOAM SP INSULATION MATERIAL, FOR EACH 300mm COVER DEFICIT, PER PIPE INSULATION DETAIL.
- CATCHBASINS TO HAVE MIN. 600mm SUMPS PER OPSS 705.010.
- STORM SEWERS TO BE VIDEO INSPECTED AFTER INSTALLATION COMPLETION, PRIOR TO ASPHALT PLACEMENT AND AFTER LANDSCAPE COMPLETION. FLUSHING OF SEWER WILL BE REQUIRED IF DEBRIS IS FOUND IN THE PIPES, TO THE SATISFACTION OF THE ENGINEER.
- (MINIMUM OF 3 SEPARATE VIDEO INSPECTIONS)

REMOVAL AND EROSION & SEDIMENT CONTROL- GENERAL NOTES

- THE APPLICANT IS RESPONSIBLE FOR THE INSTALLATION OF HOARDING TO PROTECT THE ADJACENT PARKLAND (INCLUDES PARKS, GREENBELTS, WOODLOTS) TO COMMUNITY SERVICES STANDARDS. THE APPLICANT ACCEPTS THE RESPONSIBILITY FOR ARRANGING ALL NECESSARY REPAIRS, THE AND THE REINSTATEMENT OF THE ADJOINING PARKLAND, DUE TO DAMAGES INCURRED BY THE CONSTRUCTION WORKS ASSOCIATED WITH THIS APPLICATION. THESE WORKS WILL BE COMPLETED PRIOR TO SUBMITTING THE REQUEST FOR INSPECTION AND THE SUSSEQUENT REQUESTS FOR THE RELEASE OF SECURITIES FROM THE COMMUNITY SERVICES DEPARTMENT. THE APPLICANT ACKNOWLEDGES THAT SECURITIES BEING HELD BY THE CITY WILL BE RELEASED ONLY UPON COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND HE REPAIRS/REINSTATEMENT WORKS FOR THE PARKLAND, TO THE SATISFACTION OF THE COMMUNITY SERVICES DEPARTMENT.
- SIGNATURE OF OWNER _____
- NAME OF OWNER: ACPL DUNDAS STREET EAST
- DATE _____



- NO MAINTENANCE OR REPAIR WORK ON CONSTRUCTION EQUIPMENT IS ALLOWED WITHIN 30 METRES OF AN EXISTING WATER COURSE OR DITCH.
- ALL SEDIMENT AND EROSION CONTROL FACILITIES AND WORKS ARE TO BE CONSTRUCTED AND IN PLACE TO THE APPROVAL OF THE SITE ENGINEER PRIOR TO ANY GRADING OR CONSTRUCTION COMMENCING. TYPICAL WORKS INCLUDE SILT FENCES AND INTERCEPTOR SWALES.
- ALL TEMPORARY SOIL OR DIRT STOCKPILES ARE TO BE PROVIDED WITH THE NECESSARY SEDIMENT AND EROSION CONTROL FEATURES. IF STOCKPILES ARE TO BE REPAID FOR A PERIOD LONGER THAN 180 DAYS, STOCKPILES SHALL BE HYDROSEEDED AND SURROUNDED WITH SILT FENCE.
- ALL AREA DRAINS TO HAVE FILTER FABRIC PLACED AND MAINTAINED UNDER GRASSES PER STD. 2930.040 UNTIL LANDSCAPING IS COMPLETE AND STABILIZED IN DEVELOPMENT AS DIRECTED BY SITE ENGINEER.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (I.E. SILT FENCE, STRAW BALES, CLEARSTONE, ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIRS.
- EROSION AND SEDIMENT CONTROL METHODS ARE TO BE CONTINUOUSLY EVALUATED AND WHERE NECESSARY UPGRADES ARE TO BE IMPLEMENTED.
- AN AFTER HOURS CONTACT NUMBER IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES.
- ALL SEDIMENT CONTROL FENCING IS TO BE ERRECTED PRIOR TO THE COMMENCEMENT OF ANY SITE GRADING OPERATIONS, AS PER CITY OF MISSISSAUGA STANDARD 2940.01.
- ALL CATCHBASINS WITHIN LANDSCAPED AREAS TO HAVE SEDIMENT BARRIER (CITY OF MISSISSAUGA STANDARD 2930.02 OR 2930.03) ERRECTED IMMEDIATELY UPON COMPLETION OF INSTALLATION. SEDIMENT PROTECTION BARRIER TO BE MAINTAINED ON A REGULAR BASIS OR TO THE SATISFACTION OF THE CITY OF MISSISSAUGA.
- ALL ROADSIDE CATCHBASINS TO HAVE SEDIMENT PROTECTION AS PER CITY OF MISSISSAUGA STANDARD 2930.03. SEDIMENT PROTECTION BARRIER TO BE MAINTAINED ON A REGULAR BASIS OR TO THE SATISFACTION OF THE CITY OF MISSISSAUGA.
- THE INSTALLATION OF 1.5m HIGH BLACK VINYL CHAINLINK FENCING, AS PER THE REST CURB DETAIL COMMUNAL INSTALLATION, SEDIMENT PROTECTION #0281-15 IS REQUIRED BETWEEN THE SUBJECT PROPERTY AND THE GREENBELT. THE FENCING IS TO BE LOCATED ENTIRELY ON MUNICIPAL PROPERTY, 0.15m INSIDE THE GREENBELT. THE FENCE FABRIC IS TO BE INSTALLED ON THE MUNICIPAL SIDE OF THE FENCE. GATES WILL NOT BE PERMITTED IN THE FENCE.

13. CONSTRUCTION SEQUENCE:

INITIAL SEDIMENT CONTROL INSTALLATION	(TBD)
SITE GRADING OPERATIONS	(TBD)
UNDERGROUND SERVICING OPERATIONS	(TBD)
BUILDING CONSTRUCTION	(TBD)
FINAL GRADING OPERATIONS	(TBD)

14. IF SITE CONSTRUCTION ACTIVITIES ARE INTERRUPTED AND/OR INACTIVITY EXCEEDS 30 DAYS, ALL STRIPPED AND/OR BARE SOIL AREAS ARE TO BE STABILIZED BY SODDING/SEEDING/MULCHING OR OTHER APPROVED METHOD, TO THE SATISFACTION OF THE CITY OF MISSISSAUGA.

15. THIS CONTROL PLAN IS PREPARED FOR SUBMISSION TO THE CITY OF MISSISSAUGA IN CONJUNCTION WITH AN APPLICATION FOR EROSION & SEDIMENT CONTROL PERMIT NO. 08-006 UNDER THE EROSION & SEDIMENT CONTROL BY-LAW NO. 512.91, AS AMENDED.

16. ALL EROSION AND SEDIMENT CONTROL MEASURE ARE TO BE REGULARLY INSPECTED AND MAINTAINED, AS REQUIRED, TO THE SATISFACTION OF THE CITY OF MISSISSAUGA.

17. DURING ALL CONSTRUCTION PHASES, MUD TRACKING CONTROL, CONSISTING OF FLUSHING AND SWEEPING ROADS, IS TO BE PROVIDED FOR ALL ROADS, AS WARRANTED, IN ACCORDANCE WITH THE CITY OF MISSISSAUGA MUD TRACKING CONTROL POLICY.

A) PRE-CONSTRUCTION

- CONTRACTOR TO ADVISE CITY WHAT STAFF IS RESPONSIBLE FOR SITE SEDIMENT CONTROL SUPERVISION, INSPECTION AND MAINTENANCE, INCLUDING AFTER HOUR CONTACTS.
- CONTRACTOR TO PROVIDE WRITTEN INSPECTION AND MAINTENANCE SCHEDULE OF SEDIMENT CONTROL DEVICES.
- CONTRACTOR TO INSTALL ALL SEDIMENT CONTROL DEVICES AS IDENTIFIED ON THE APPROVED EROSION CONTROL PLAN PRIOR TO IMPLEMENTATION OF TOPSOIL STRIPPING OR EARTHWORKS OPERATIONS.

B) DURING CONSTRUCTION (SITE AND BUILDING WORKS)

- CONTRACTOR TO ENSURE TOPSOIL, STRIPPING, GRADING AND UNDERGROUND WORKS CONFORM TO APPROVED GRADING, SERVICING AND EROSION CONTROL PLANS.
- SITE ENGINEER TO CONDUCT REQUIRED WEEKLY INSPECTION, MAINTENANCE AND REPORTING OF SEDIMENT CONTROLS TO THE CITY STAFF.
- CONTRACTOR TO STABILIZE SITE AS REQUIRED THROUGHOUT SITE CONSTRUCTION SCHEDULE.

ELEVATION NOTE:
ELEVATIONS SHOW HEREON ARE GEODETIC AND ARE DERIVED FROM THE CITY OF MISSISSAUGA BENCHMARK 793. ELEVATION=110.995.
DESCRIPTION: ON THE NORTH FACE AT THE EAST CORNER OF CONCRETE END POST OF BOX CURB EAST UNDER DUNDAS STREET EAST, ON SOUTH SIDE OF DUNDAS STREET EAST, 15.0m EAST OF JAGUAR VALLEY DRIVE.

SURVEY NOTES:
TOPOGRAPHIC INFORMATION BASED ON PLAN BY ASKAN PILLER CORPORATION LTD. DATED APRIL 5, 2021 AND UPDATED ON FEBRUARY 4, 2022. REFERENCE NO. 20-21-14108-00.

BEARINGS ARE UTM GRID, DERIVED FROM GNSS OBSERVATIONS, USING REAL TIME KINEMATIC SERVICE, ON MONUMENTS 1 & 2. HAVING A BEARING OF N 39°02'10"E, AND ARE REFERRED TO THE CENTRAL MERIDIAN OF UTM ZONE 17 (81°00' WEST LONGITUDE) NAD83 (CRCS) (2011). (EXCEPT COMPARISONS)

SITE PLAN NOTES:
SITE PLAN INFORMATION BASED ON PLANS BY CHAMBERLAIN ARCHITECT SERVICES LIMITED, DATED 2022-01-13, REVISION 3.
PROJECT NO. 121022, DRAWING NO. 102

MAINTENANCE & OPERATIONS OF SEDIMENT CONTROLS

A) SILT FENCE (STD 2940.010 & 02830-2)

- SILT FENCE MUST BE INSPECTED WEEKLY FOR RIPS OR TEARS, BROKEN STAKES, BLOW-OUTS AND ACCUMULATION OF SEDIMENT.
- SILT FENCE MUST BE INSPECTED IMMEDIATELY AFTER EVERY RAIN STORM EVENT OR AS DIRECTED BY SITE ENGINEER.
- SEDIMENT MUST BE REMOVED FROM SILT FENCE WHEN ACCUMULATION REACHES 50% OF THE HEIGHT OF THE FENCE.
- ALL SILT FENCES MUST BE REMOVED ONLY WHEN THE ENTIRE SITE IS STABILIZED AND AS DIRECTED BY THE SITE ENGINEER.
- ALL SILT FENCES INSTALLED AT THE LIMIT OF THE DEVELOPMENT ARE TO BE PLACED DIRECTLY ON THE PROPERTY LINE OR AS DIRECTED BY SITE ENGINEER.

NOT FOR CONSTRUCTION

FOR REVIEW

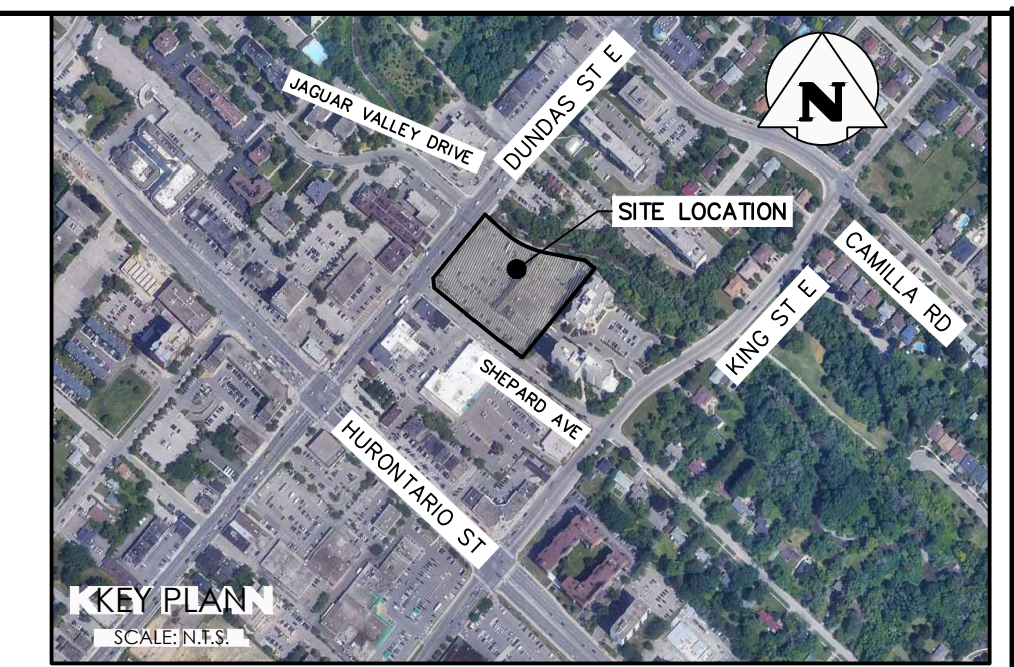
**60 DUNDAS STREET EAST
CITY OF MISSISSAUGA**

**CONSTRUCTION NOTES
AND DETAILS**

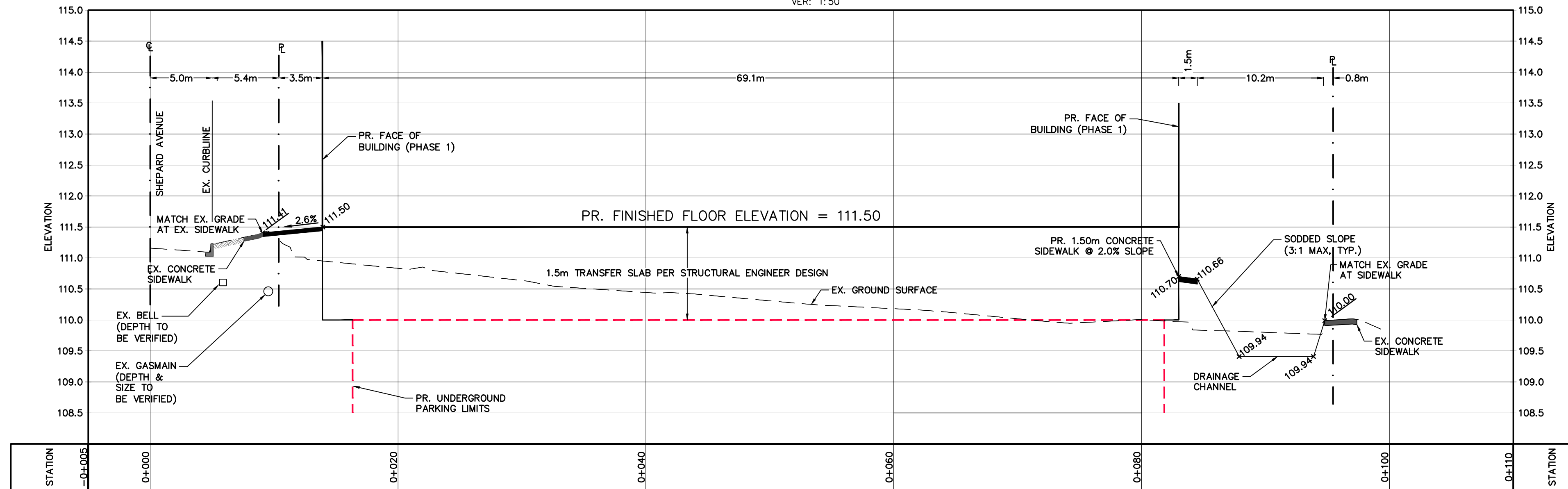
CROZIER CONSULTING ENGINEERS

2800 High Point Drive
Suite 100
MILTON, ON L9T 6P4
905-875-0026 T
905-875-4915 F
WWW.CFCROZIER.CA

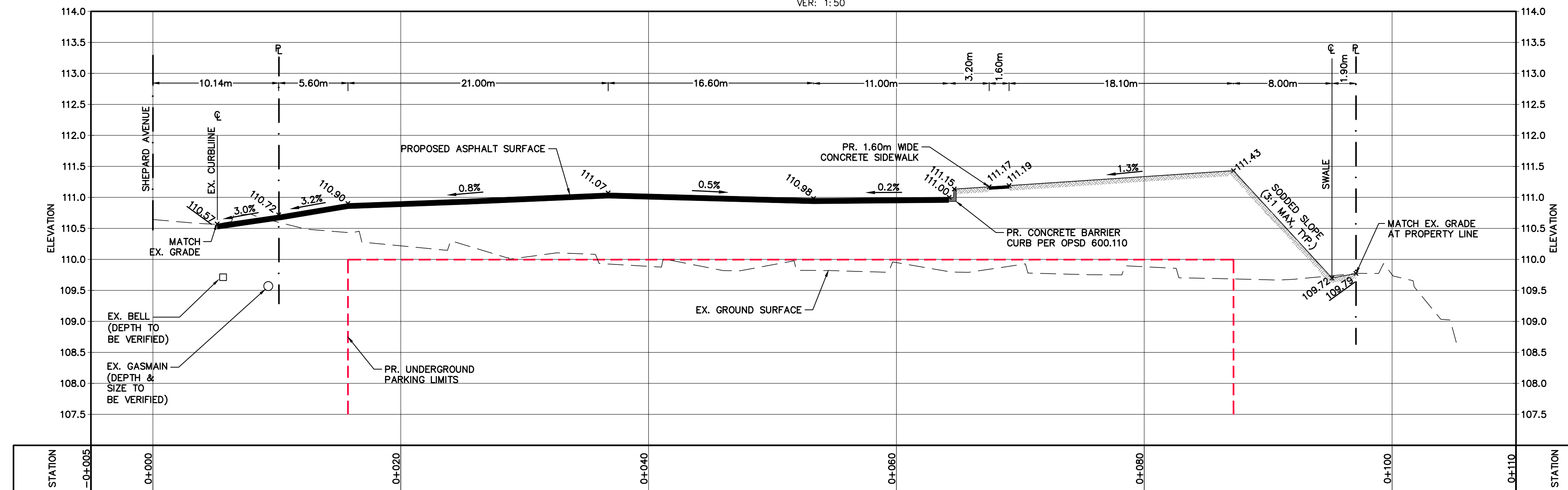
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Check: B.W. Scale: N.T.S. Date: C 104



SECTION A-A
SCALE: HOR: 1:250
VER: 1:50



SECTION B-B
SCALE: HOR: 1:250
VER: 1:50



2	ISSUED FOR OPA, ZBA & SPA	2022/DEC/15
1	ISSUED ADDITIONAL FIGURES PER CITY REQUEST	2022/JUN/02
0	NOT ISSUED WITH THIS SUBMISSION	2022/FEB/22
No.	ISSUE / REVISION	YYYY/MM/DD

ELEVATION NOTE:
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DESCRIPTION: ON THE NORTH FACE AT THE EAST CORNER OF CONCRETE END POST OF BOX CULVERT UNDER DUNDAS STREET EAST, ON SOUTH SIDE OF DUNDAS STREET EAST, 15.0m EAST OF JAGUAR VALLEY DRIVE.

SURVEY NOTES:
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SITE PLAN NOTES:
SITE PLAN INFORMATION BASED ON PLANS BY CHAMBERLAIN ARCHITECT SERVICES LIMITED, DATED 2022-01-13, REVISION 3. PROJECT No. 121022, DRAWING No. 102

DRAWING NOTES:
THIS DRAWING IS THE EXCLUSIVE PROPERTY OF C.F. CROZIER & ASSOCIATES INC. AND THE REPRODUCTION OF ANY PART OF IT WITHOUT PRIOR WRITTEN CONSENT OF THIS OFFICE IS STRICTLY PROHIBITED.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, AND DATUMS ON SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO THIS OFFICE PRIOR TO CONSTRUCTION. THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT. DO NOT SCALE THIS DRAWING. ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

Project
**60 DUNDAS STREET EAST
CITY OF MISSISSAUGA**

Drawing
SECTIONS

NOT FOR CONSTRUCTION

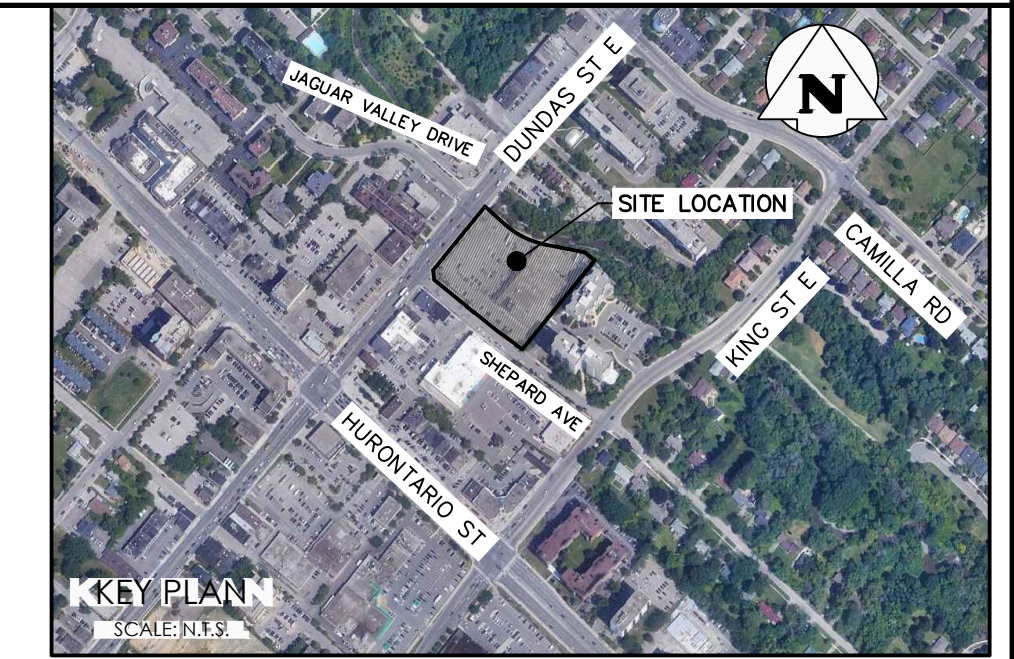
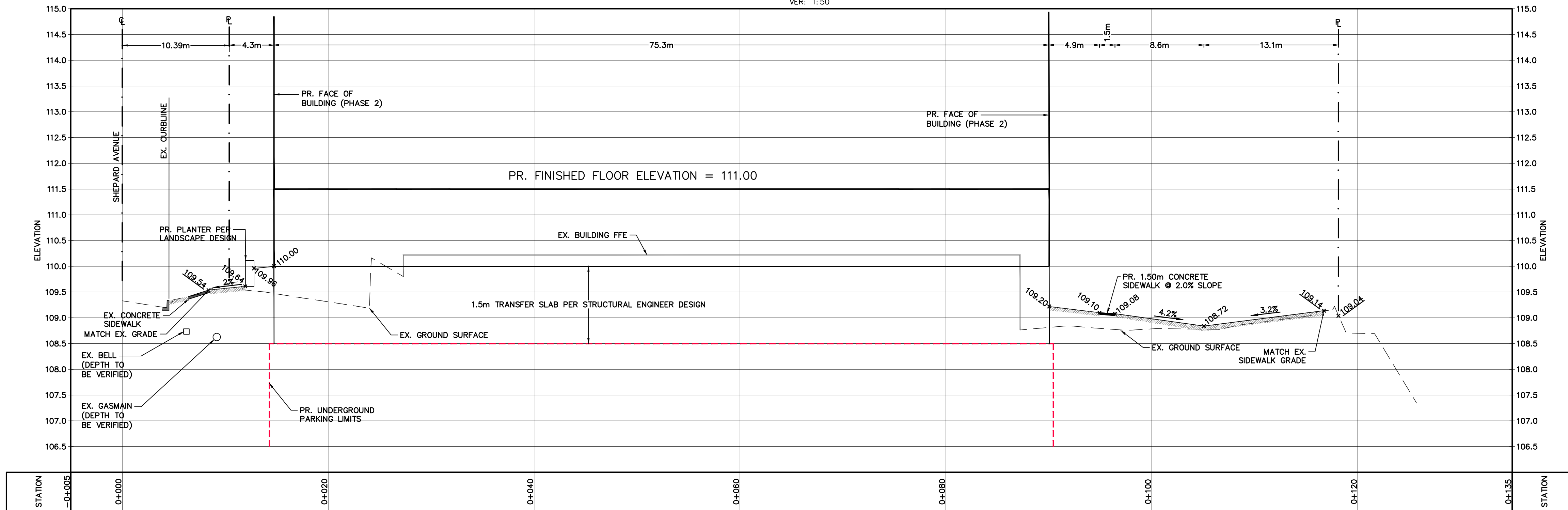
Stamp
FOR REVIEW

CROZIER
CONSULTING ENGINEERS
2800 HIGH POINT DRIVE
SUITE 100
MILTON, ON L9T 6P4
905-875-0026 T
905-875-4915 F
WWW.CFCROZIER.CA

Drawn M.I.M. Design M.I.M./B.W. Project No. **2234-6274**
Check B.W. Scale SEE DWG. Dwg. **C 105**

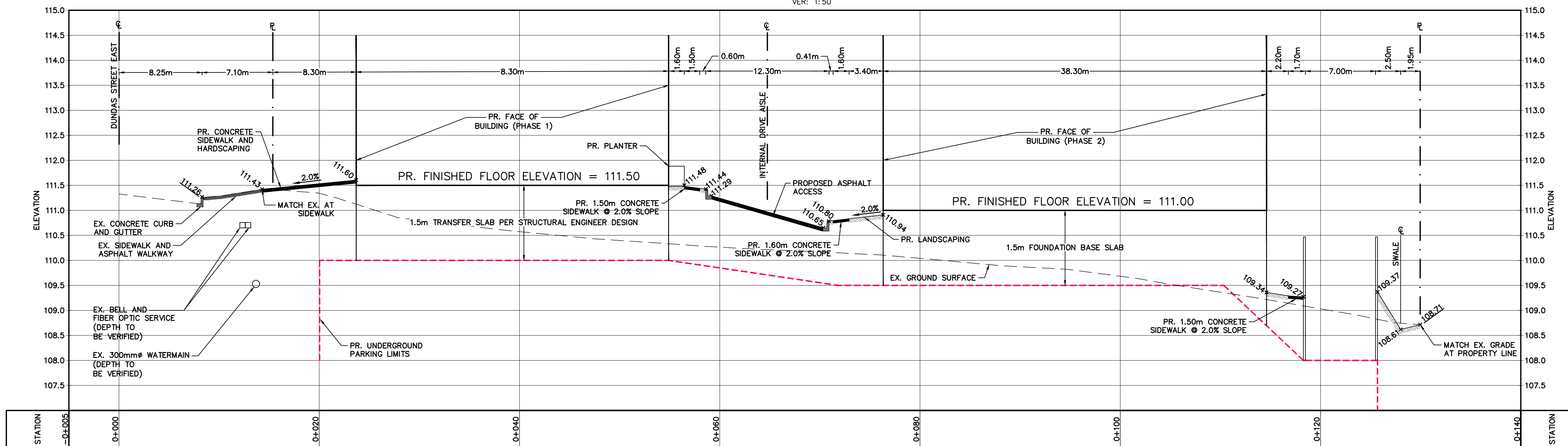
SECTION C-C

SCALE: HOR: 1:250
VER: 1:50



SECTION D-D

SCALE: HOR: 1:250
VER: 1:50



2	ISSUED FOR OPA, ZBA & SPA	2022/DEC/15
1	ISSUED ADDITIONAL FIGURES PER CITY REQUEST	2022/JUN/02
0	NOT ISSUED WITH THIS SUBMISSION	2022/FEB/22
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SITE PLAN NOTES:
SITE PLAN INFORMATION BASED ON PLANS BY CHAMBERLAIN ARCHITECT SERVICES LIMITED, DATED 2022-01-13, REVISION 3. PROJECT No. 121022, DRAWING No. 102

DRAWING NOTES:
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Project
**60 DUNDAS STREET EAST
CITY OF MISSISSAUGA**

Drawing
SECTIONS

NOT FOR CONSTRUCTION

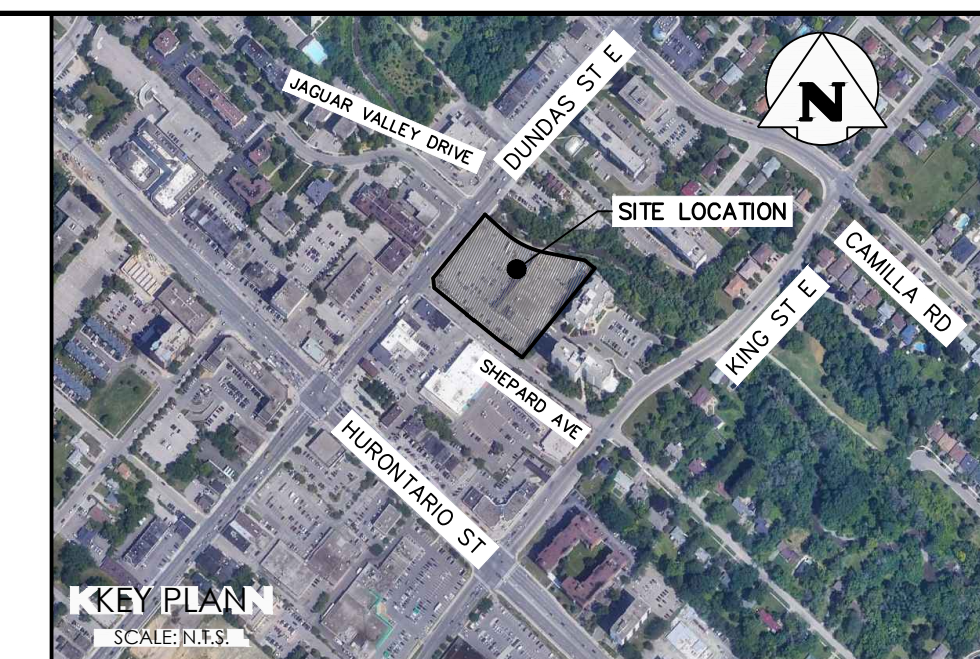
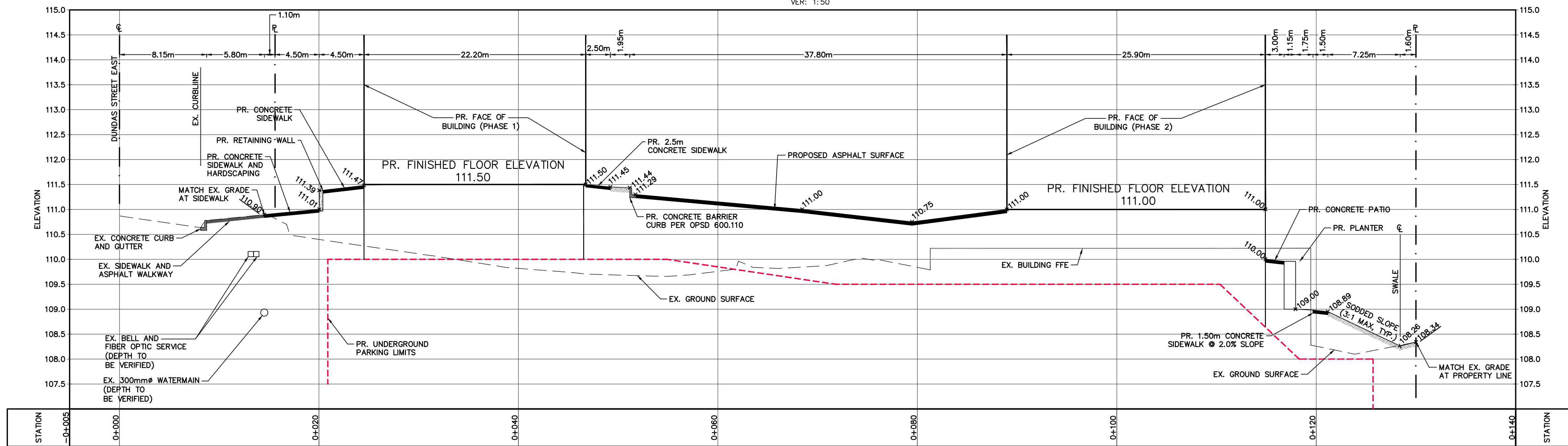
Stamp
FOR REVIEW

CROZIER
CONSULTING ENGINEERS
2800 HIGH POINT DRIVE
SUITE 100
MILTON, ON L9T 6P4
905-875-0026 T
905-875-4915 F
WWW.CFCROZIER.CA

Drawn	M.I.M.	Design	M.I.M./B.W.	Project No.	2234-6274
Check	B.W.	Check	B.W.	Scale	SEE DWG.
				Dwg.	C 106

SECTION E-E

SCALE: HOR: 1:250
VER: 1:50



2	ISSUED FOR OPA, ZBA & SPA	2022/DEC/15
1	ISSUED ADDITIONAL FIGURES PER CITY REQUEST	2022/JUN/02
0	NOT ISSUED WITH THIS SUBMISSION	2022/FEB/22
No.	ISSUE / REVISION	YYYY/MM/DD

ELEVATION NOTE:
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE DERIVED FROM THE CITY OF MISSISSAUGA BENCHMARK 793, ELEVATION=110.995.
DESCRIPTION: ON THE NORTH FACE AT THE EAST CORNER OF CONCRETE END POST OF BOX CULVERT UNDER DUNDAS STREET EAST, ON SOUTH SIDE OF DUNDAS STREET EAST, 15.0m EAST OF JAGUAR VALLEY DRIVE.

SURVEY NOTES:
TOPOGRAPHIC INFORMATION BASED ON PLAN BY ASKAN PILLER CORPORATION LTD. DATED APRIL 5, 2021 AND UPDATED ON FEBRUARY 4, 2022.
REFERENCE No. 20-21-14108-00.
BEARINGS ARE UTM GRID, DERIVED FROM GNSS OBSERVATIONS, USING REAL TIME KINEMATIC SERVICE, ON MONUMENTS 1 & 2, HAVING A BEARING OF N 39°02'10"E, AND ARE REFERRED TO THE CENTRAL MERIDIAN OF UTM ZONE 17 (81°00' WEST LONGITUDE) NAD83 (CRCS) (2010). (EXCEPT COMPARISONS)

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PROJECT No. 121022, DRAWING No. 102

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Project
**60 DUNDAS STREET EAST
CITY OF MISSISSAUGA**

Drawing
SECTIONS

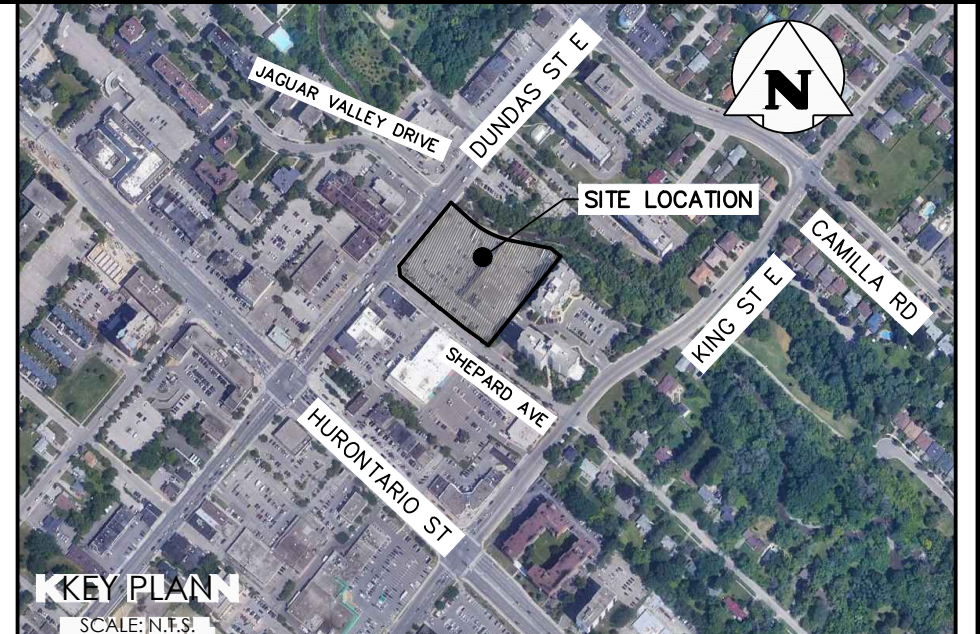
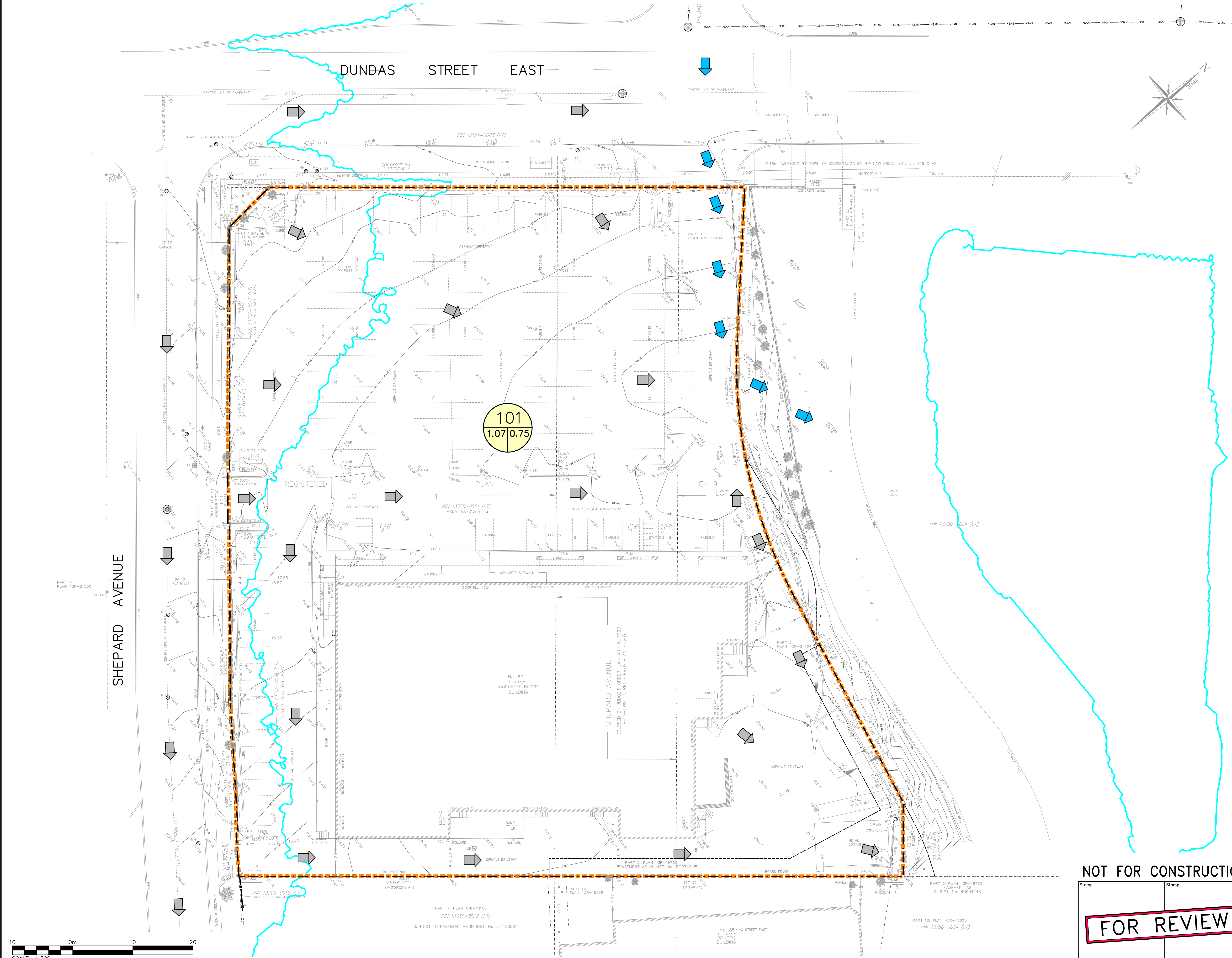
NOT FOR CONSTRUCTION

Stamp
FOR REVIEW

CROZIER CONSULTING ENGINEERS
2800 HIGH POINT DRIVE SUITE 100
MILTON, ON L9T 6P4
905-875-0026 T
905-875-4915 F
WWW.CFCROZIER.CA

Drawn	M.I.M.	Design	M.I.M./B.W.	Project No.	2234-6274
Check	B.W.	Check	B.W.	Scale	SEE DWG.
				Dwg.	C 107

I:\2200\2234- Alimga Corp\6274- 60 Dundas St. Towers\CAD\Civil\Sheets\6274_C107.dwg, 12/15/2022, 10:06:54 AM, AutoCAD PDF (General Documentation).ppl



LEGEND

- PROPERTY LINE
- - - EXISTING CONTOUR (0.5m)
- - - EXISTING CONTOUR (1.0m)
- x - x - EXISTING FENCE
- x215.00 --- EXISTING GRADE
- ➡ EXISTING OVERLAND FLOW DIRECTION
- ➡ REGIONAL OVERLAND FLOW DIRECTION
- STORM DRAINAGE CATCHMENT
- ⊙ ID / ARC
- ⊙ CATCHMENT I.D. / AREA (ha) | RUNOFF COEFFICIENT
- EXISTING REGIONAL FLOODPLAIN

2	ISSUED FOR OPA, ZBA & SPA	2022/DEC/15
1	ISSUED ADDITIONAL FIGURES PER CITY REQUEST	2022/JUN/02
0	ISSUED FOR FIRST SUBMISSION (ZBA)	2022/FEB/22
No.	ISSUE / REVISION	YYYY/MM/DD

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Project
60 DUNDAS STREET EAST
 CITY OF MISSISSAUGA

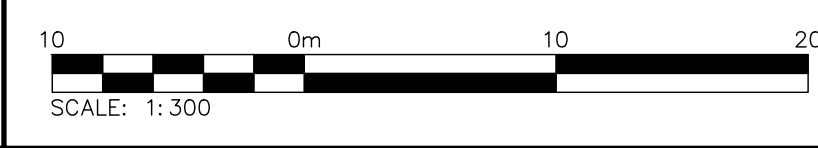
Drawing
PRE-DEVELOPMENT DRAINAGE PLAN

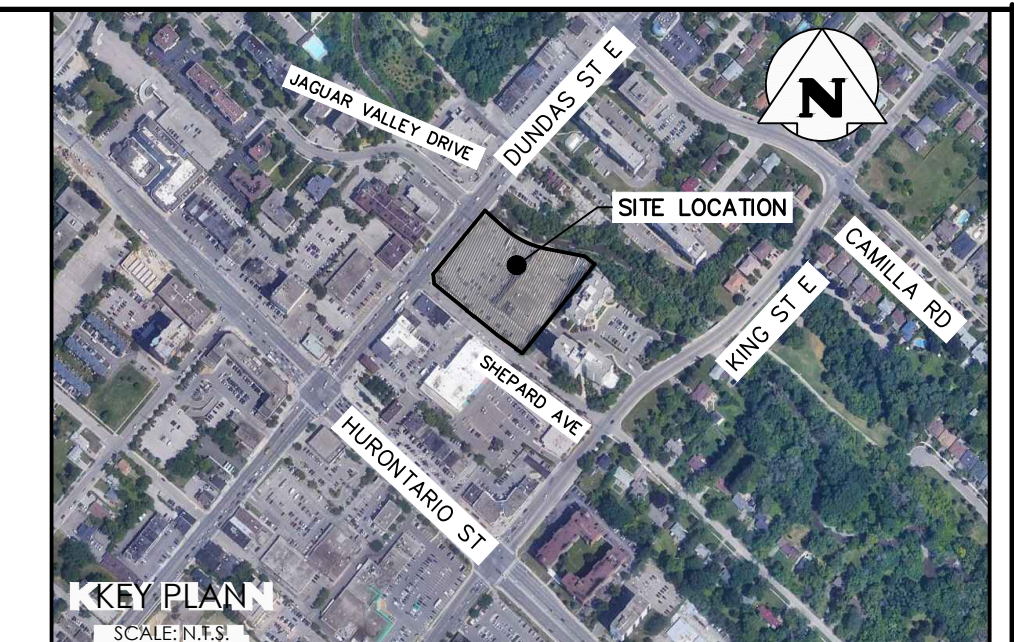
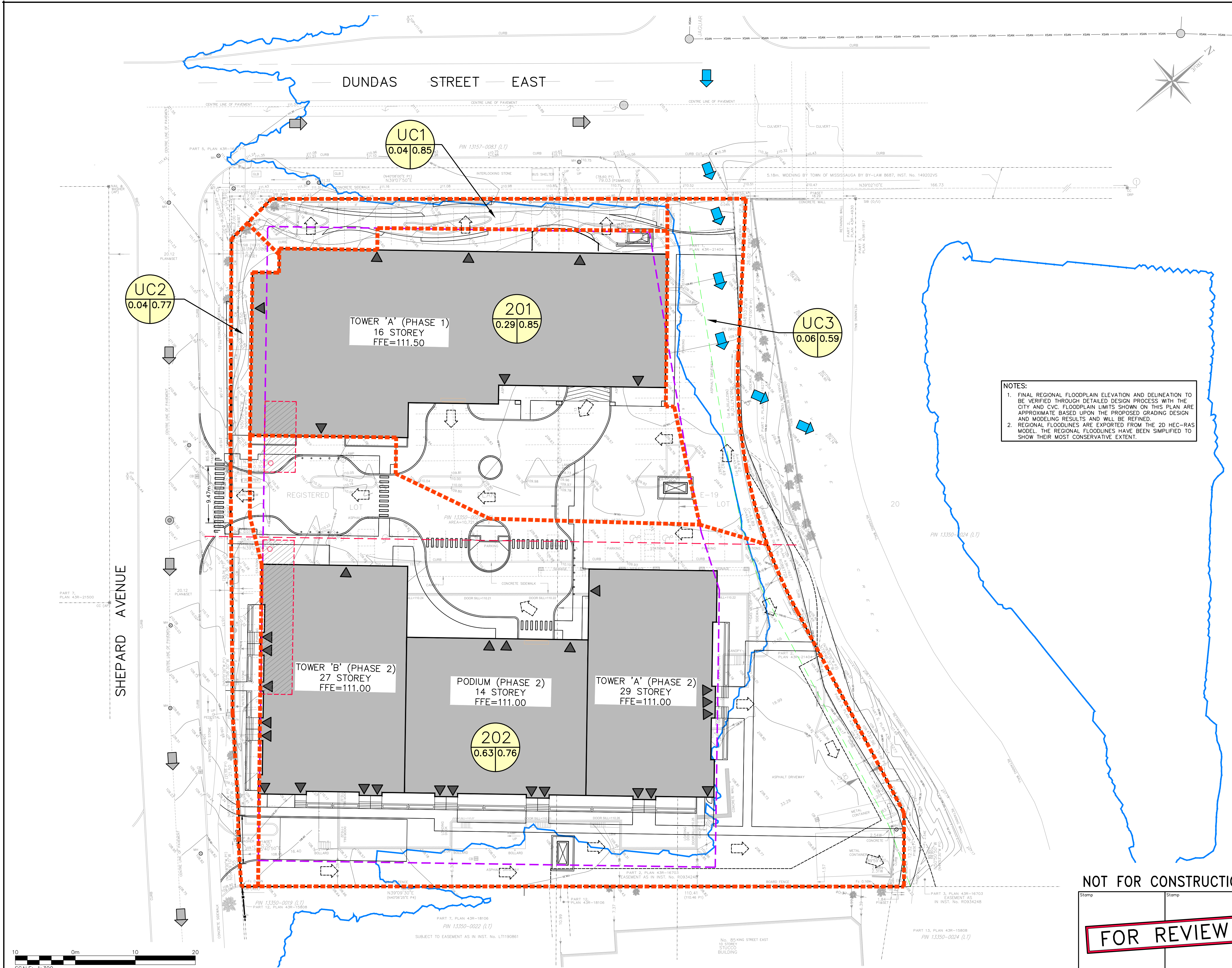
NOT FOR CONSTRUCTION

FOR REVIEW

CROZIER CONSULTING ENGINEERS
 2800 HIGH POINT DRIVE SUITE 100 MILTON, ON L9T 6P4 905-875-0026 T 905-875-4915 F WWW.CFCROZIER.CA

Drawn: M.I.M. Design: M.I.M./B.W. Project No: **2234-6274**
 Check: B.W. Scale: 1:300 Dwg: **FIG. 1**





LEGEND

- PROPERTY LINE
- - - EXISTING CONTOUR (0.5m)
- - - EXISTING CONTOUR (1.0m)
- x - x - EXISTING FENCE
- EXISTING GRADE
- EXISTING OVERLAND FLOW DIRECTION
- REGIONAL OVERLAND FLOW DIRECTION
- PROPOSED MAJOR OVERLAND FLOW DIRECTION
- - - - - STORM DRAINAGE CATCHMENT
- ID
A|RC CATCHMENT I.D.
AREA (ha) | RUNOFF COEFFICIENT
- PROPOSED REGIONAL FLOODPLAIN (TO BE CONFIRMED)

NOTES:

1. FINAL REGIONAL FLOODPLAIN ELEVATION AND DELINEATION TO BE VERIFIED THROUGH DETAILED DESIGN PROCESS WITH THE CITY AND CVC. FLOODPLAIN LIMITS SHOWN ON THIS PLAN ARE APPROXIMATE BASED UPON THE PROPOSED GRADING DESIGN AND MODELING RESULTS AND WILL BE REFINED.
2. REGIONAL FLOODLINES ARE EXPORTED FROM THE 2D HEC-RAS MODEL. THE REGIONAL FLOODLINES HAVE BEEN SIMPLIFIED TO SHOW THEIR MOST CONSERVATIVE EXTENT.

2	ISSUED FOR OPA, ZBA & SPA	2022/DEC/15
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Project
**60 DUNDAS STREET EAST
CITY OF MISSISSAUGA**

Drawing
**POST-DEVELOPMENT
DRAINAGE PLAN**

NOT FOR CONSTRUCTION

FOR REVIEW



CROZIER CONSULTING ENGINEERS
2800 HIGH POINT DRIVE SUITE 100 MILTON, ON L9T 6P4 905-875-0026 T 905-875-4915 F WWW.CFCROZIER.CA

Drawn	M.I.M.	Design	M.I.M./B.W.	Project No.	2234-6274
Check	B.W.	Check	B.W.	Scale	1:300
				Dwg	FIG. 2