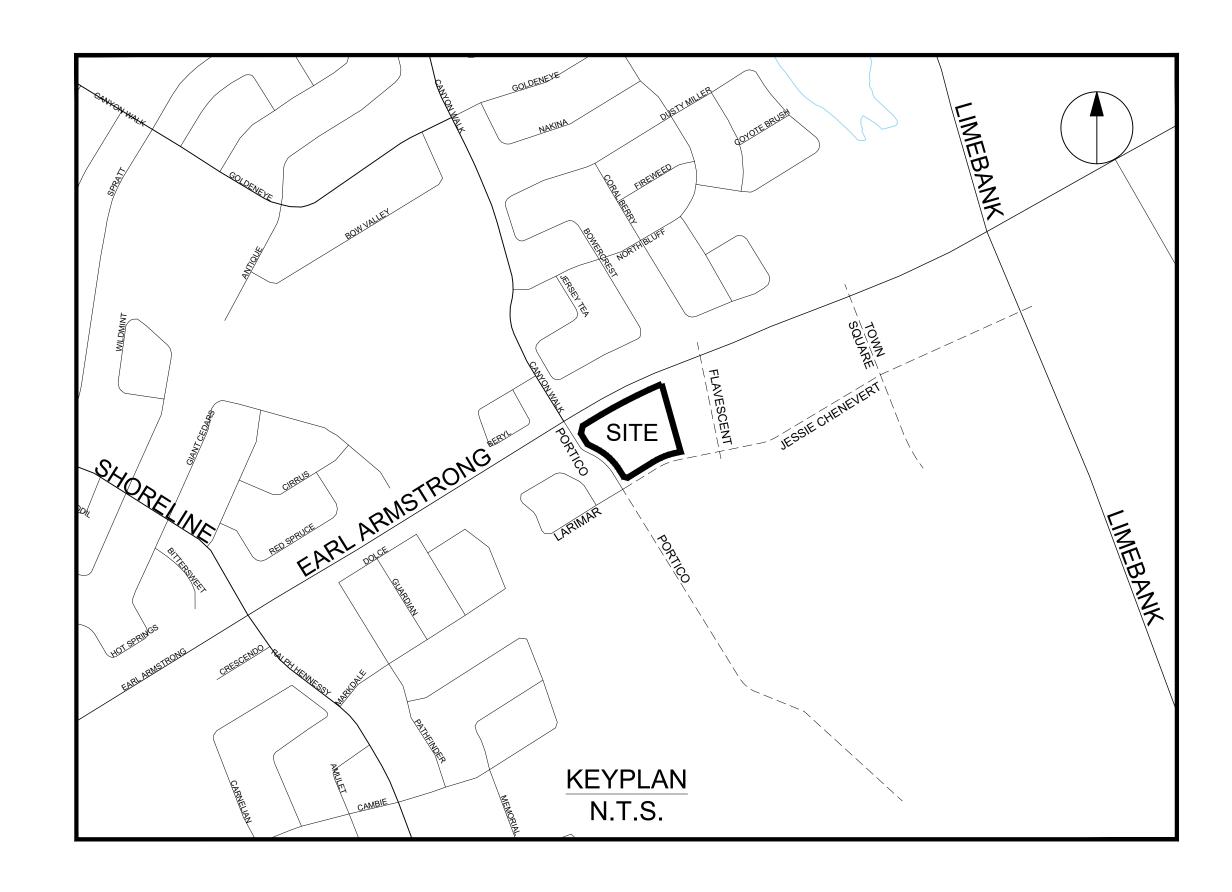
# EXTENDICARE RIVERSIDE





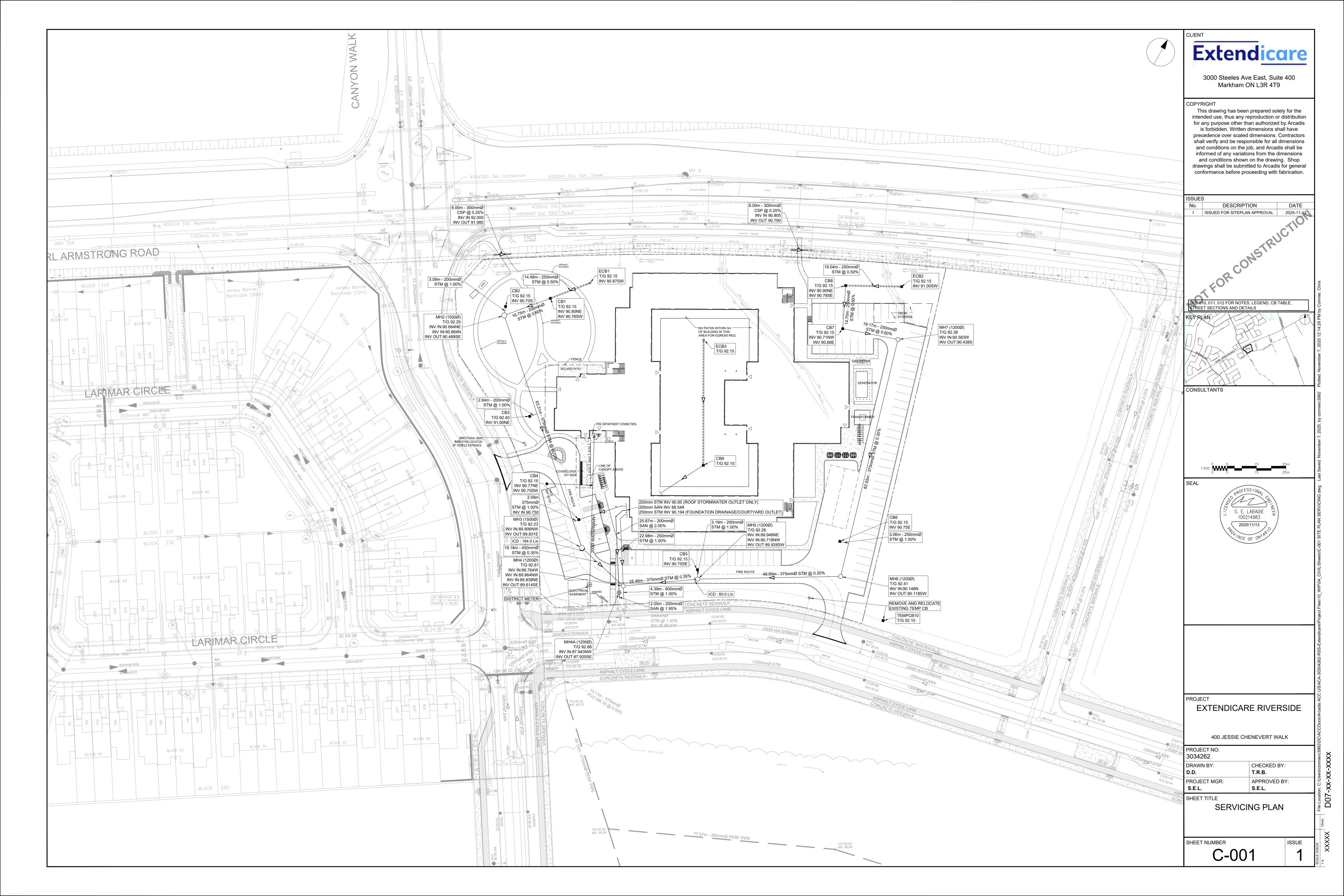
333 Preston Street - Suite 500 Ottawa ON K1S 5N4 Canada tel 613 225 1311 www.arcadis.com



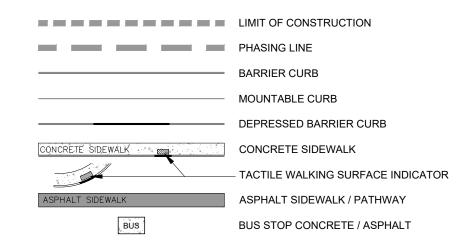
Sheet List Table				
Sheet Number	Sheet Title			
	COVER			
C-000	EXISTING CONDITIONS			
C-001	SERVICING PLAN			
C-010	NOTES AND LEGEND			
C-200	GRADING PLAN			
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C-900	EROSION - SEDIMENT PLAN			



C-000



### **GENERAL LEGEND**



## SERVICING LEGEND

SANITARY SEWER  STORM MANHOLE  STORM MANHOLE  STORM SEWER - LESS THAN 900/8  STORM SEWER - 900/9 AND GREATER  WATERMAIN  STORM SEWER - 900/9 AND GREATER  WATERMAIN  STORM SEWER - 900/9 AND GREATER  WATERMAIN  DOCCRETE TO 194-10  GREAT OF 194-10  DOCCRETE TO 194-10  EVEN TO 194-10  TO 194-10  DOCCRETE TO 194-10  DOCCRETE TO 194-10  DOCCRETE TO 194-10  TO 194-10  TO 194-10  DOCCRETE TO 194-10  TO	MH118A	SANITARY MANHOLE
STORM MANHOLE  STORM SEWER - LESS THAN 9009  900mm0 STM  STORM SEWER - 9000 AND GREATER  WATERMAIN  COCRISIO  TO 194.25  COURD INLET CATCHBASIN C/W TOP OF GRATE  CURB INLET CATCHBASIN C/W GUTTER GRADE  DOUBLE CATCHBASIN C/W TOP OF GRATE  DOUBLE CATCHBASIN C/W TOP OF GRATE  CATCHBASIN MANHOLE C/W TOP OF GRATE  CATCHBASIN MANHOLE C/W TOP OF GRATE  TO 194.25  COCRISION  TO 194.25  TO 194.25  COCRISION  TO 194.25  TO 194.25  TO 194.25  COCRISION  TO 194.25  TO 194.25  TO 194.25  TO 194.25  COCRISION  TO 194.25  TO 194.25	200mmØ SAN	SANITARY SEWER
STORM SEWER - 9000 AND GREATER  2000 WATERMAIN    C6100		STORM MANHOLE
STORM SEWER - 9000 AND GREATER  WATERMAIN  STREET CATCHBASIN CW TOP OF GRATE  CURB INLET CATCHBASIN CW GUTTER GRADE  DOUBLE CATCHBASIN CW TOP OF GRATE  DOUBLE CATCHBASIN CW GUTTER GRADE  DOUBLE CATCHBASIN CW TOP OF GRATE  DOUBLE CATCHBASIN CW TOP OF GRATE  DOUBLE CATCHBASIN CW TOP OF GRATE  TO 104.25  DOUBLE CATCHBASIN CW TOP OF GRATE  CATCHBASIN MANHOLE CW TOP OF GRATE  REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE  CW SOLID GRATE  REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE  AND INVERT OUT  REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE  AND INVERT OUT  TO 104.35  GRATE AND INVERT OUT  REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE  AND INVERT OUT  TO 104.35  GRATE AND INVERT OUT  REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE  AND INVERT OUT  REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE  AND INVERT OUT  TO 104.35  GRATE AND INVERT OUT  REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE  AND INVERT OUT  TO 104.35  GRATE AND INVERT OUT  SOOMMING CSP  PERFORATED REAR YARD SUBDRAIN  CSP CULVERT CW DIAMETER  VALVE AND VALVE CHAMBER  PARK VALVE CHAMBER  WATERMAIN REDUCER  VERTICAL BEND LOCATION  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE  UNDERSIDE OF FOOTING ELEVATION	825mmØ STM	STORM SEWER - LESS THAN 900Ø
### PART PARD TOUR CATCHBASIN (4500) CW TOP OF GRATE  ### PARK VALVE AND VALVE BOND  ### PARK VALVE CHAMBER  ### PARK VALVE C		STORM SEWER - 900Ø AND GREATER
STREET CATCHBASIN C/W TOP OF GRATE  CURB INLET CATCHBASIN C/W GUTTER GRADE  DOUBLE CATCHBASIN C/W TOP OF GRATE  DOUBLE CATCHBASIN C/W TOP OF GRATE  DOUBLE CATCHBASIN C/W TOP OF GRATE  DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE  DITCH INLET MANHOLE C/W TOP OF GRATE  CATCHBASIN MANHOLE C/W TOP OF GRATE  CW SOLID GRATE  TOS 104.50  TOS		WATERMAIN
CURB INLET CATCHBASIN C/W GUTTER GRADE  DOUBLE CATCHBASIN C/W GUTTER GRADE  DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE  DITCH INLET MANHOLE C/W TOP OF GRATE  CATCHBASIN MANHOLE C/W TOP OF GRATE  CATCHBASIN MANHOLE C/W TOP OF GRATE  REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE  C/M TO 104.55  GRAT ARD TEET CATCHBASIN (3000) C/W TOP OF GRATE  AND INVERT OUT  REAR YARD TEET CATCHBASIN (3000) C/W TOP OF GRATE  AND INVERT OUT  AND INVERT OUT  REAR YARD TOUT CATCHBASIN (4500) C/W TOP OF  GRATE AND INVERT OUT  PERFORATED THREE WAY" CATCHBASIN (4500) C/W TOP OF  GRATE AND INVERT OUT  PERFORATED TRANSPORT C/W DIAMETER  VALVE AND VALVE CHAMBER  VALVE AND VALVE CHAMBER  VALVE AND VALVE CHAMBER  PARK VALVE CHAMBER C/W SERVICE POST  FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION  WATERMAIN REDUCER  VERTICAL BEND LOCATION  WATERMAIN REDUCER  VERTICAL BEND LOCATION  METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION (REQUIRED)  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE  UNDERSIDE OF FOOTING ELEVATION		STREET CATCHBASIN C/W TOP OF GRATE
DOUBLE CATCHBASIN CW TOP OF GRATE  DOUBLE CURB INLET CATCHBASIN CW GUTTER GRADE  DITCH INLET MANHOLE CW TOP OF GRATE  COMMINION  COM	CICB101	CURB INLET CATCHBASIN C/W GUTTER GRADE
DOUBLE CURB INLET CATCHBASIN CW GUTTER GRADE  GIG 104.25    Tig 103.59   DITCH INLET MANHOLE CW TOP OF GRATE   CATCHBASIN MANHOLE CW TOP OF GRATE   Tig 103.59   CATCHBASIN IN ROAD CONNECTING STRUCTURE CW SOLID GRATE   Tig 104.55   REAR YARD CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "TIG CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CUSTOM ANGLED " CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CUSTOM ANGLED " CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "THEE WAY" CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "THEE WAY" CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "TIGE WAY" CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CUSTOM ANGLED " CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CUSTOM ANGLED " CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CUSTOM ANGLED " CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CHEE WAY" CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRATE AND INVERT OUT   Tig 104.55   REAR YARD "CATCHBASIN (3000) CW TOP OF GRA	DCB100	DOUBLE CATCHBASIN C/W TOP OF GRATE
DITCH INLET MANHOLE CW TOP OF GRATE  CATCHBASIN MANHOLE CW TOP OF GRATE  REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE  CW SOLID GRATE  REAR YARD TECE CATCHBASIN (3000) CW TOP OF GRATE  AND INVERT OUT  REAR YARD "CUSTOM ANGLED" CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT  REAR YARD "CUSTOM ANGLED" CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT  REAR YARD "THREE WAY" CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT  REAR YARD "THREE WAY" CATCHBASIN (4500) CW TOP OF GRATE AND INVERT OUT  PERFORATED REAR YARD SUBDRAIN  CSP CULVERT CW DIAMETER  VALVE AND VALVE CHAMBER  PARK VALVE CHAMBER  PARK VALVE CHAMBER CW SERVICE POST  PERFORATE OF TOWN OF FLANGE ELEVATION  WATERMAIN REDUCER  VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION  SINGLE SERVICE LOCATION  JOSEP SERVICE LOCATION  SINGLE SERVICE LOCATION  SINGLE SERVICE LOCATION  JOSEP	DCICB101	DOUBLE CURB INLET CATCHBASIN C/W GUTTER GRADE
CBMH101 TIG 103.59  PYCB TIG 104.35  REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE  TIG 104.35  TIG 104.35  REAR YARD "EE" CATCHBASIN (3000) C/W TOP OF GRATE AND INVERT OUT  REAR YARD "SUSTOM ANGLED " CATCHBASIN (4500) C/W TOP OF GRATE AND INVERT OUT  REAR YARD "CUSTOM ANGLED " CATCHBASIN (4500) C/W TOP OF GRATE AND INVERT OUT  REAR YARD "CUSTOM ANGLED " CATCHBASIN (4500) C/W TOP OF GRATE AND INVERT OUT  REAR YARD "CUSTOM ANGLED " CATCHBASIN (4500) C/W TOP OF GRATE AND INVERT OUT  REAR YARD "CUSTOM ANGLED " CATCHBASIN (4500) C/W TOP OF GRATE AND INVERT OUT  REAR YARD "SUBDRAIN  CSP CULVERT C/W DIAMETER  VALVE AND VALVE BOX  VALVE AND VALVE CHAMBER  PARK VALVE CHAMBER  PARK VALVE CHAMBER C/W SERVICE POST  FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION  WATERMAIN REDUCER  VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  JOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION  WATER REAR YARD "CATCHBASIN (3000) C/W TOP OF GRATE  AND INVERT OUT  AND INVER	DI101	DITCH INLET MANHOLE C/W TOP OF GRATE
REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE C/W SOLID GRATE	CBMH101	
AND INVERT OUT  ##GL 104.50  ##GRATE AND INVERT OUT  ##GL 104.55  ##GL 104.55  ##GL 104.50  ##GL	RYCB	REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE
AND INVERT OUT  REAR YARD "CUSTOM ANGLED " CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT  REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT  PERFORATED REAR YARD SUBDRAIN  CSP CULVERT C/W DIAMETER  VALVE AND VALVE BOX  VALVE AND VALVE CHAMBER  PARK VALVE CHAMBER C/W SERVICE POST  FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION  WATERMAIN REDUCER  VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION  WINGER SERVICE LOCATION  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL  10179  100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE  UNDERSIDE OF FOOTING ELEVATION		
REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT  REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT  PERFORATED REAR YARD SUBDRAIN  CSP CULVERT C/W DIAMETER  VALVE AND VALVE BOX  VALVE AND VALVE CHAMBER  PARK VALVE CHAMBER C/W SERVICE POST  FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION  WATERMAIN REDUCER  VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  (M)  METER (IF REQUIRED)  (M)  REMOTE METER (IF REQUIRED)  (M)  WATERMAIN IDENTIFICATION (IF REQUIRED)  VERTICATION (IF REQUIRED)  (I)  PIPE CROSSING IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION  WHITE PROPERTY OF THE P	OT/G 104.50 NV 103.50	
GRATE AND INVERT OUT  PERFORATED REAR YARD SUBDRAIN  300mmØ CSP  SVB  VALVE AND VALVE BOX  VALVE AND VALVE CHAMBER  PARK VALVE CHAMBER CW SERVICE POST  INTERPRET 150Ø WM  WATERMAIN REDUCER  VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  VERTICAL BEND LOCATION  INTERPED REFUSAL (SEE GEOTECHNICAL REPORT)  HOL  101 79  100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE  UNDERSIDE OF FOOTING ELEVATION	LT/G 104.35 INV 103.35	
SOMMO CSP  SOF CULVERT C/W DIAMETER  WALVE AND VALVE BOX  WALVE AND VALVE CHAMBER  PARK VALVE CHAMBER C/W SERVICE POST  FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION  WATERMAIN REDUCER  VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  WINGLE SERVICE LOCATION  WINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  USE 101.79  UNDERSIDE OF FOOTING ELEVATION		
CSP CULVERT CW DIAMETER  VALVE AND VALVE BOX  VALVE AND VALVE CHAMBER  PARK VALVE CHAMBER CW SERVICE POST  PARK VALVE CHAMBER CW SERVICE POST  PRED 1500 WM  PED 1500 WM  VATERMAIN REDUCER  VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  VERTICAL BEND LOCATION (IF REQUIRED)  SINGLE SERVICE LOCATION  VIEW CONSING IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  VERTICAL BEND LOCATION (IF REQUIRED)  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL  100.79  101.79  UNDERSIDE OF FOOTING ELEVATION		PERFORATED REAR YARD SUBDRAIN
ON VALVE AND VALVE CHAMBER  PARK VALVE CHAMBER CW SERVICE POST  FIRE HYDRANT CW BOTTOM OF FLANGE ELEVATION  WATERMAIN REDUCER  VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  HGL  HGL  100.79  USF  101.79  UNDERSIDE OF FOOTING ELEVATION  UNDERSIDE OF FOOTING ELEVATION	300mmØ CSP	CSP CULVERT C/W DIAMETER
PARK VALVE CHAMBER CW SERVICE POST    HYD   104.35	⊗ <sup>VB</sup>	VALVE AND VALVE BOX
FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION  WATERMAIN REDUCER  VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79  USF 101.79  UNDERSIDE OF FOOTING ELEVATION	⊗ <sup>V&amp;VC</sup>	VALVE AND VALVE CHAMBER
200Ø WM RED 150Ø WM WATERMAIN REDUCER  2VBENDS VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION  WISH SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79  USF 101.79  UNDERSIDE OF FOOTING ELEVATION	•	PARK VALVE CHAMBER C/W SERVICE POST
VERTICAL BEND LOCATION  SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  RM  REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79  UNDERSIDE OF FOOTING ELEVATION	→ HYD  104.35	FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION
SIAMESE CONNECTION (IF REQUIRED)  METER (IF REQUIRED)  RM  REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  PIPE CROSSING IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79 USF UNDERSIDE OF FOOTING ELEVATION	200Ø WMRED 150Ø WM	WATERMAIN REDUCER
METER (IF REQUIRED)  REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  PIPE CROSSING IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79  USF UNDERSIDE OF FOOTING ELEVATION	2 VBENDS	VERTICAL BEND LOCATION
RM REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  PIPE CROSSING IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79  USF UNDERSIDE OF FOOTING ELEVATION	*	SIAMESE CONNECTION (IF REQUIRED)
RM REMOTE METER (IF REQUIRED)  WATERMAIN IDENTIFICATION (IF REQUIRED)  PIPE CROSSING IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79  USF UNDERSIDE OF FOOTING ELEVATION	(M)	METER (IF REQUIRED)
PIPE CROSSING IDENTIFICATION (IF REQUIRED)  SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00  INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79 USF 101.79  UNDERSIDE OF FOOTING ELEVATION	RM	REMOTE METER (IF REQUIRED)
SINGLE SERVICE LOCATION  DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00 INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79 USF 101.79 UNDERSIDE OF FOOTING ELEVATION	(A)	WATERMAIN IDENTIFICATION (IF REQUIRED)
DOUBLE SERVICE LOCATION  SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00 INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79 USF 101.79 UNDERSIDE OF FOOTING ELEVATION	1	PIPE CROSSING IDENTIFICATION (IF REQUIRED)
SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)  BH 12 102.00 INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79 USF 101.79 UNDERSIDE OF FOOTING ELEVATION		SINGLE SERVICE LOCATION
HGL 101.79 USF 101.79 UNDERSIDE OF FOOTING ELEVATION	$\triangleleft$	DOUBLE SERVICE LOCATION
102.00 INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)  HGL 101.79 USF 101.79 UNDERSIDE OF FOOTING ELEVATION	<b>\</b> *	SINGLE SERVICE LOCATION (REQUIRES FOUNDATION SLEEVE)
USF UNDERSIDE OF FOOTING ELEVATION	BH 12 102.00	INFERRED REFUSAL (SEE GEOTECHNICAL REPORT)
USF UNDERSIDE OF FOOTING ELEVATION		100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE
	USF	UNDERSIDE OF FOOTING ELEVATION
		CLAY SEAL IN SEWER / WATERMAIN TRENCH

# AOV LEGEND

○ MH-ST	II .	Maintenance Hole (Storm Sewer)		II .	Fire Hydrant
○ MH-S	"	Maintenance Hole (Sanitary)	₩ WV	"	Water Valve
$\bigcirc$ MH $-$ T	"	Maintenance Hole (Traffic)	□ НН	"	Handhole
○ MH−H	"	Maintenance Hole (Hydro)	Ø	II .	Diameter
<b>⊗</b> VC	"	Valve Chamber (Watermain)	+ 65.00	"	Location of Elevations
			+ 65.00*	u .	Top of Concrete Curb Elevation
OHW —— OHW —	- 11	Overhead Wires	C/L	"	Centreline
OUP	II .	Utility Pole		"	Property Line
o AN	"	Anchor			
НТ	"	Hydro Transformer Mounted on Utility Pole		"	Proposed Property Line per Draft Plan of Subdivision Concept Plan March 26, 2024.
O LS	"	Light Standard	TOS	"	Top of Slope
СВ	"	Catch Basin	BOS		·
СВІ	"	Catch Basin Inlet	5	"	Bottom of Slope
Ⅲ DI	"	Ditch Inlet	O	"	Traffic Light

### NOTES:

- ALL MATERIALS AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT CITY OF OTTAWA STANDARD DRAWINGS & SPECIFICATIONS OR OPSD/OPSS IF CITY DRAWINGS AND SPECIFICATIONS DO NOT APPLY.
- 2. THE POSITION OF UNDERGROUND AND ABOVE GROUND SERVICE, UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH SERVICE, UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION.
- 3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, DISCOVERIES OF ERROR AND DISCREPANCIES TO THE
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER OR NOT SHOW ON THESE DRAWINGS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL LANDS BEYOND THE SITE LIMITS. ANY AREAS BEYOND THE SITE LIMITS, WHICH ARE DISTURBED DURING CONSTRUCTION, SHALL BE REPAIRED AND RESTORED TO ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE ADJACENT LAND OWNER, THE OWNER, THE OWNERS REPRESENTATIVES AND/OR THE AUTHORITY HAVING JURISDICTION AT THE EXPENSE OF THE CONTRACTOR.
- 6. WHERE NECESSARY, THE CONTRACTOR SHALL IMPLEMENT A TRAFFIC MANAGEMENT PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA. ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE LATEST VERSION OF THE M.T.O. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. ALL TEMPORARY TRAFFIC CONTROL MEASURES MUST BE REMOVED UPON THE COMPLETION OF THE WORKS.
- 7. SHOULD ANY BURIED ARCHAEOLOGICAL REMAINS BE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE OWNER TO CONTACT THE HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE MUST BE NOTIFIED IMMEDIATE, AND WORK WITHIN THE AREA SHALL BE CEASED UNTIL FURTHER NOTICE.
- 8. FOR GEOTECHNICAL INFORMATION REFER TO GEOTECHNICAL REPORT PG4958-6 PREPARED BY PATERSON GROUP
- 9. FOR GEODETIC BENCHMARK AND GEOMETRIC LAYOUT OF STREET AND LOTS, REFER TO TOPOGRAPHICAL SURVEY AND PLAN OF SUBDIVISION PREPARED BYANNIS O'SULLIVAN VOLLEBEKK LTD. BENCHMARK BASED ON CAN--NET VIRTUAL REFERENCE SYSTEM NETWORK.
- 10. FOR SITE PLAN INFORMATION, REFER TO SITE PLAN PREPARED BYMONTGOMERY SISAM ARCHITECTS
- 11. THESE DRAWINGS ARE NOT TO BE SCALED OR USED FOR LAYOUT PURPOSES
- 12. ROADWAY SECTIONS REQUIRING GRADE RAISE TO PROPOSED SUB GRADE LEVEL TO BE FILLED WITH ACCEPTABLE NATIVE EARTH BORROW OR IMPORTED OPSS SELECTED SUBGRADE MATERIAL IF NATIVE MATERIAL IS DEFICIENT AS PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
- 13. IN AREAS WHERE EXISTING GROUND IS BELOW THE PROPOSED ELEVATION OF SEWER AND WATERMAINS, GRADE RAISING AND FILLING IS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. AS PER CITY GUIDELINES ALL WATERMAINS IN FILL AREAS ARE TO BE TIED WITH RESTRAINING JOINTS AND THRUST BLOCKS.
- 14. THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL PLAN PRIOR TO THE COMMENCEMENT OF ANY SITE CONSTRUCTION. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER, OR ANY REGULATORY AGENCY. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED OR UNTIL THE START OF A SUBSEQUENT PHASE.
- 15. CONTRACTORS SHALL BE RESPONSIBLE FOR KEEPING CLEAN ALL ROADS WHICH BECOME COVERED IN DUST, DEBRIS AND/OR MUD AS A RESULT OF ITS CONSTRUCTION OPERATIONS.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL BEDDING OR ADDITIONAL STRENGTH PIPE SHOULD THE MAXIMUM OPSD TRENCH WIDTH BE EXCEEDED.
- 17. ALL PIPE, CULVERTS, STRUCTURES REFER TO NOMINAL INSIDE DIMENSIONS.

THE GEOTECHNICAL REPORT.

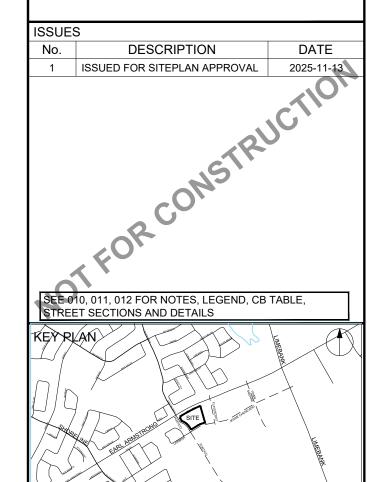
- 18. SHOULD CLAY SEALS BE REQUIRED, THEY SHALL BE INSTALLED AS PER THE RECOMMENDATIONS WITHIN
- 19. UNLESS SPECIFICALLY NOTED OTHERWISE, PIPE MATERIALS SHALL BE AS FOLLOWS;
  -WATERMAINS TO BE PVC DR18
- -SANITARY SEWER TO BE PVC DR35 -PERFORATED STORM SEWERS IN REAR YARDS AND LANDSCAPE AREAS TO BE HDPE -STORM SEWERS 375mm DIAMETER AND LESS TO BE PVC DR35
- -STORM SEWERS 450mm DIAMETER AND GREATER TO BE CONCRETE, CLASS AS PER OPSD 807.010 OR 807.030, OR HIGHER FOR SHALLOW SEWERS, REFER TO CITY STANDARD S35.
- 20. ALL CONNECTIONS TO EXISTING WATERMAINS ARE TO BE COMPLETED BY CITY FORCES. CONTRACTOR IS TO EXCAVATE. BACKFILL. COMPACT AND REINSTATE.
- 21. ANY WATERMAIN WITH LESS THAN 2.4m AND ANY SEWER WITH LESS THAN 2.0m DEPTH OF COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22 OR AS APPROVED BY THE ENGINEER.
- 22. ALL FIRE HYDRANTS AS PER CITY STANDARD W19, c/w 150mmØ LEAD UNLESS OTHERWISE SPECIFIED.
- 23. ALL STUBBED SEWERS SHALL HAVE PRE-MANUFACTURED CAPS INSTALLED.
- 24. ALL CATCHBASINS SHALL HAVE A 600mm SUMP. ALL CATCHBASIN MANHOLES, AND ALL STORM MANHOLES WITH OUTLETTING PIPE SIZES LESS THAN 900mm, SHALL HAVE A 300mm SUMP.
- 25. ALL SANITARY MANHOLES IN PONDING AREAS SHALL BE EQUIPPED WITH A WATERTIGHT COVER.
- 26. ALL LEADS FOR STREET CATCHBASIN'S AND CURB INLET CATCHBASIN'S CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 2% SLOPE UNLESS NOTED OTHERWISE. ALL LEADS FOR RYCB'S CONNECTED TO MAIN SHALL BE 200mmØ PVC DR35 @ MIN 1% SLOPE UNLESS NOTED OTHERWISE.
- 27. UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STREET CATCHBASINS SHALL BE INSTALLED WITH TWO 3.0m MINIMUM SUBDRAINS INSTALLED LONGITUDINALLY, PARALLEL WITH THE CURB. ALL CATCHBASINS IN ASPHALT AREAS, NOT ADJACENT TO A CURB, SHALL BE INSTALLED WITH FOUR 3.0m MINIMUM SUBDRAINS
- 28. INLET CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMPLETING THE ROAD BASE (GRANULAR A).
- 29. ALL SEWER SERVICE LATERALS WITH MAINLINE CONNECTIONS DEEPER THAN 5.0m REQUIRE A CONTROLLED SETTLEMENT JOINT.
- 30. EACH BUILDING SHALL BE EQUIPPED WITH A SANITARY AND STORM SEWER BACKWATER VALVE AND CLEAN-OUT ON ITS PRIMARY SERVICE, IF REQUIRED BY ONTARIO BUILDING CODE REQUIREMENTS (BY OTHERS).
- 31. THE SUBGRADE OF ALL STRUCTURES, PIPE, ROADS, SIDEWALKS, WALKWAYS, AND BUILDINGS SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 32. TOP COURSE ASPHALT SHALL NOT BE PLACED UNTIL THE FINAL CCTV INSPECTION AND NECESSARY REPAIRS HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF OTTAWA.
- 33. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT SHALL BE DESIGNED BY A QUALIFIED STRUCTURAL
- 34. ALL RETAINING WALLS GREATER THAN 0.6m IN HEIGHT REQUIRE A GUARD. ANY GUARD ON A RETAINING WALL GREATER THAN 1.0m IN HEIGHT SHALL BE DESIGNED BY THE QUALIFIED STRUCTURAL ENGINEER RESPONSIBLE FOR THE WALL DESIGN.
- 35. UPON COMPLETION OF THE RETAINING WALL, THE CONTRACTOR SHALL REQUEST A CONFORMANCE CERTIFICATE FROM THE QUALIFIED ENGINEER RESPONSIBLE FOR THE WALL DESIGN.



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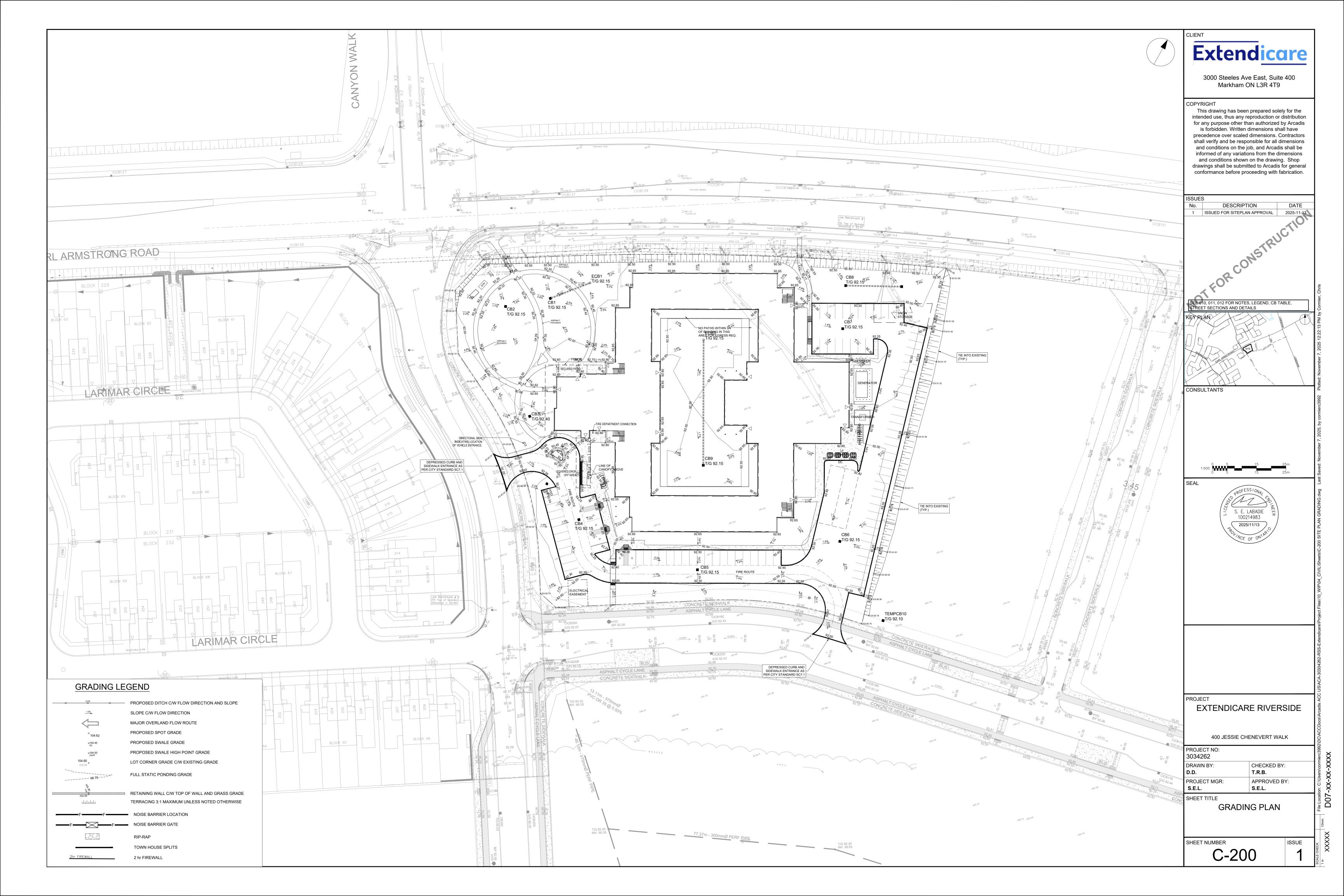
400 JESSIE CHENEVERT WALK

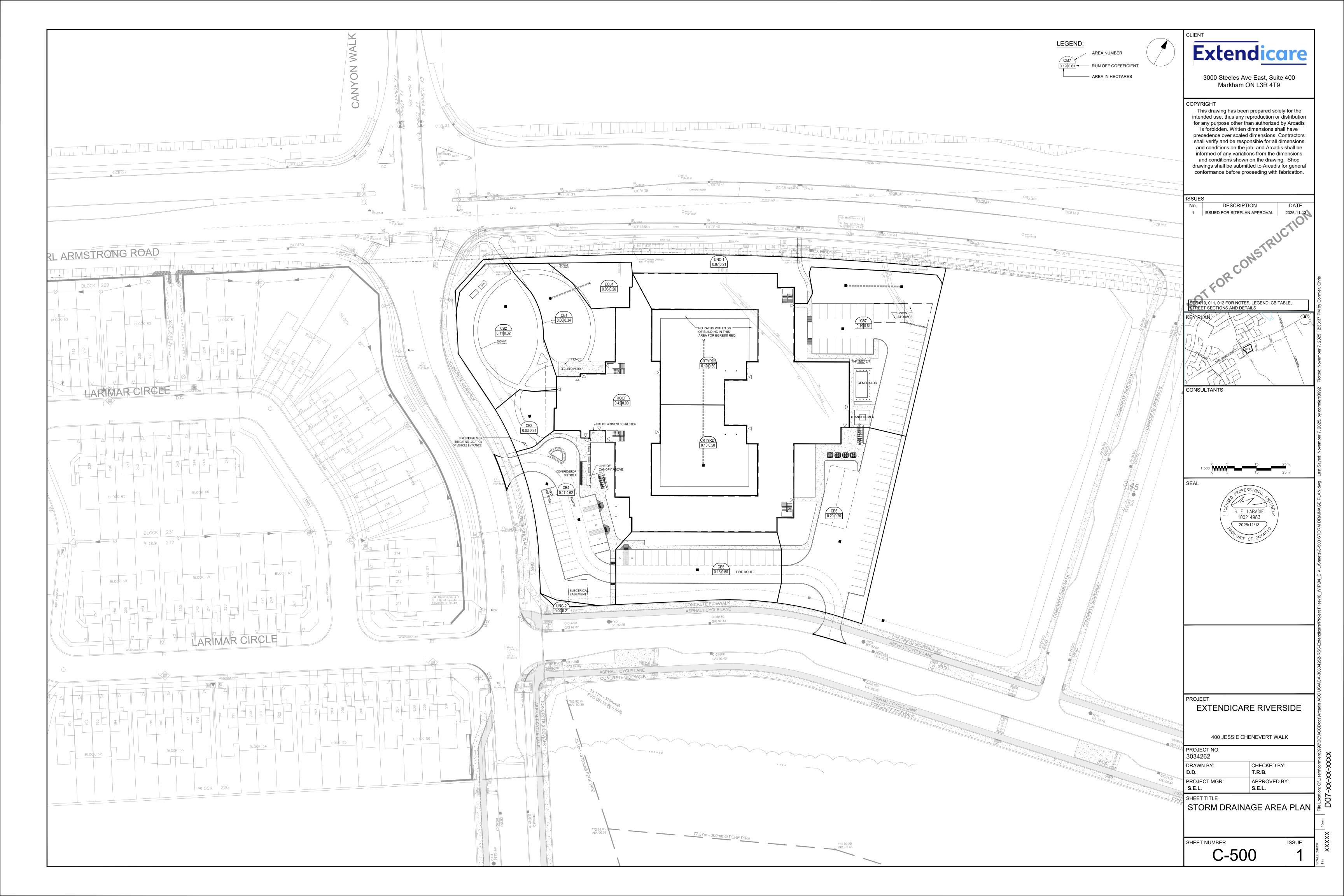
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S.E.L.	S.E.L.

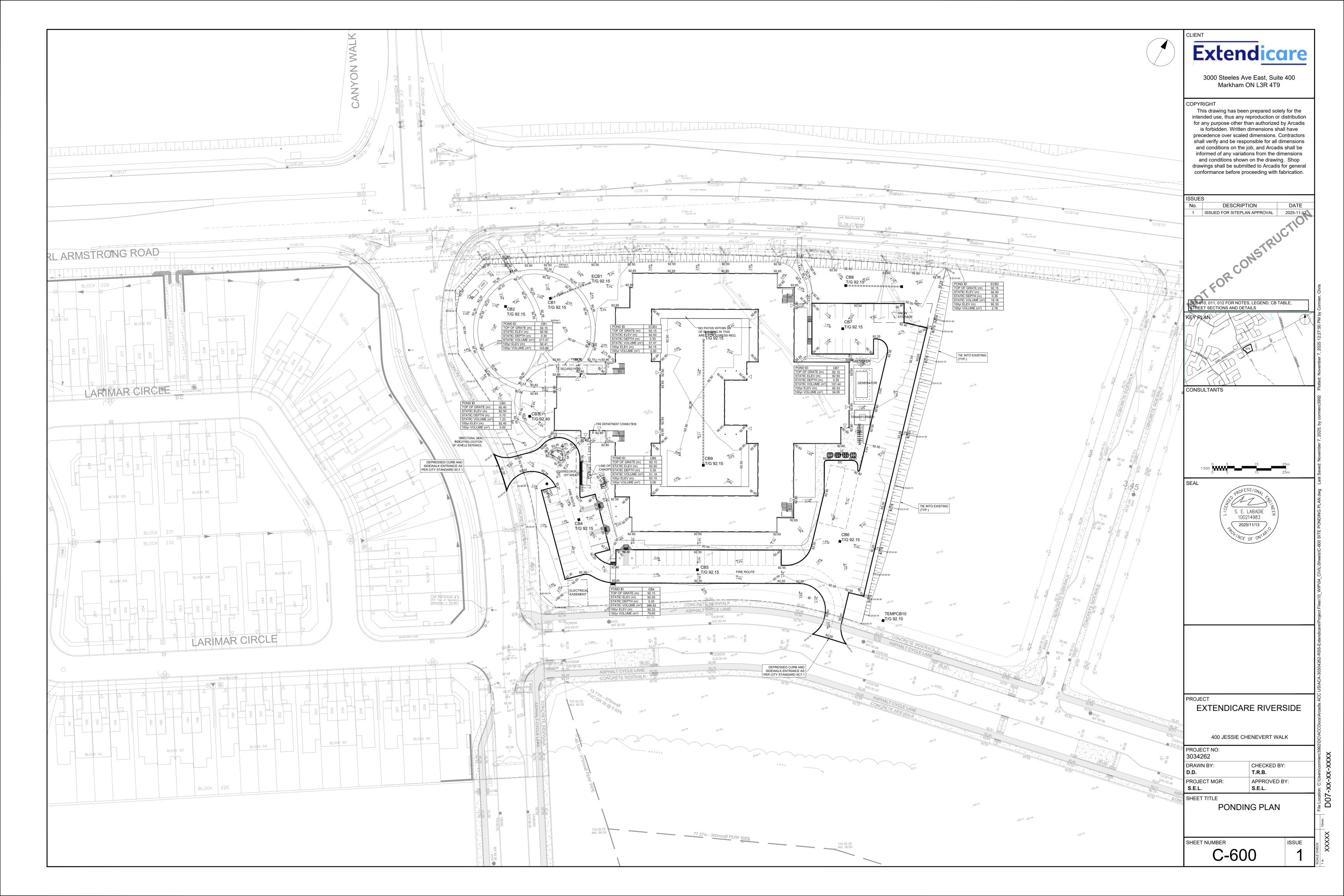
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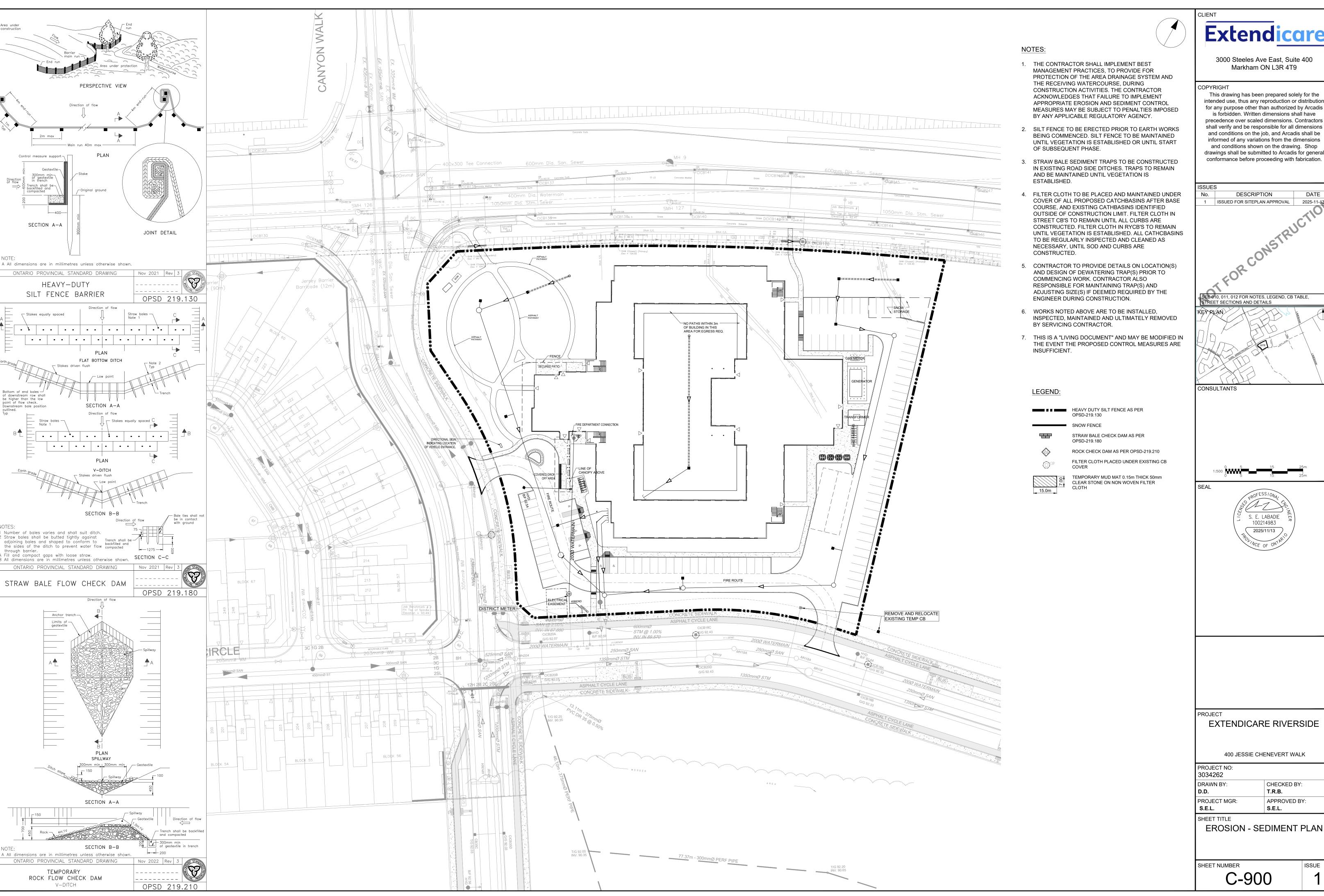
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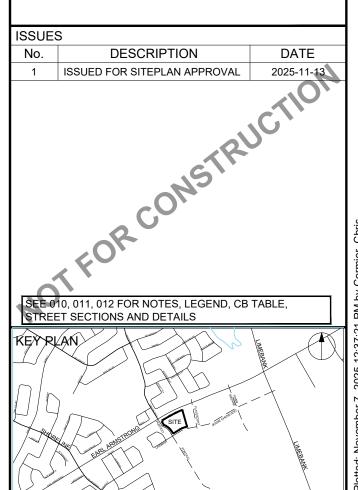




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**EROSION - SEDIMENT PLAN** 

ISSUE