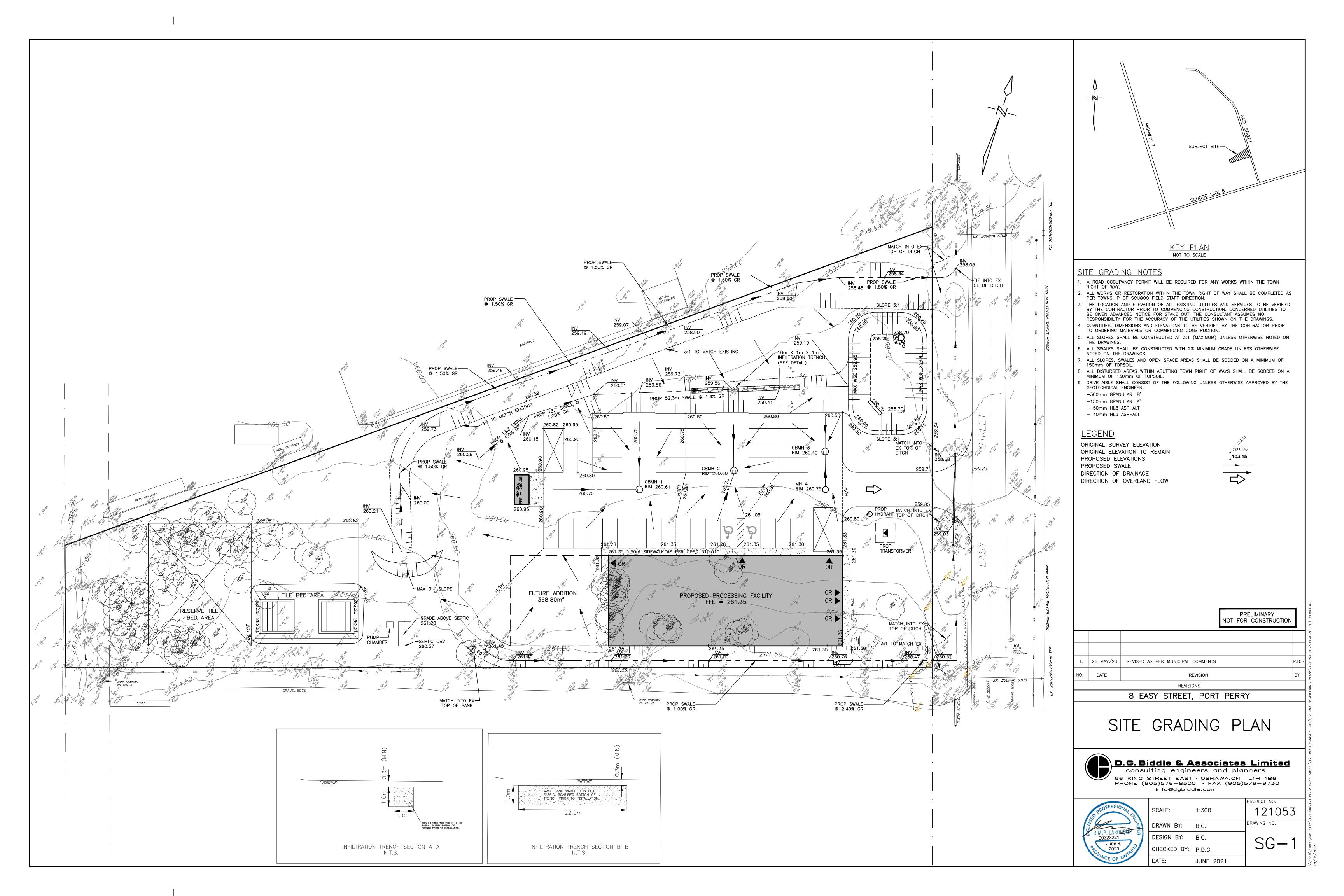
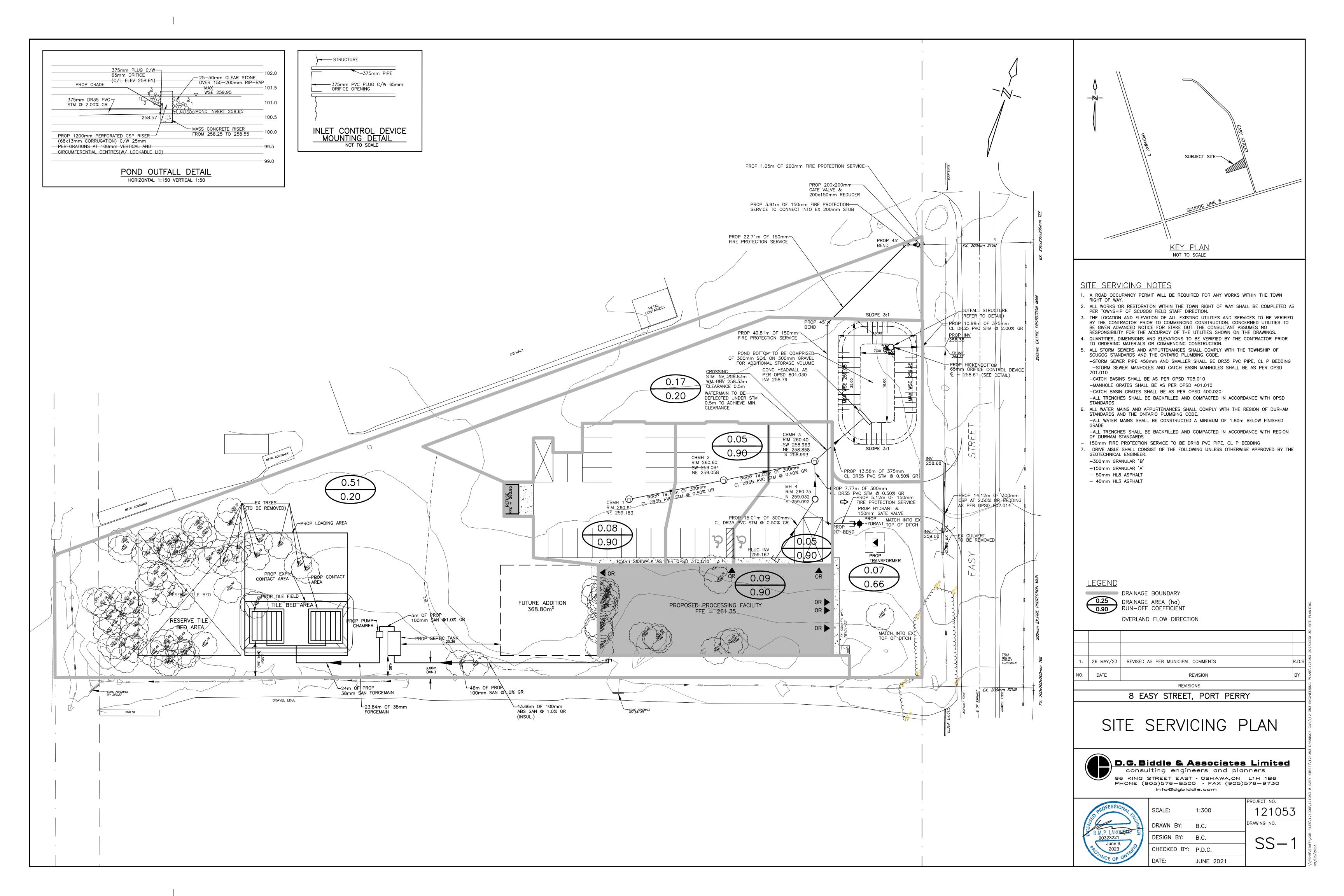
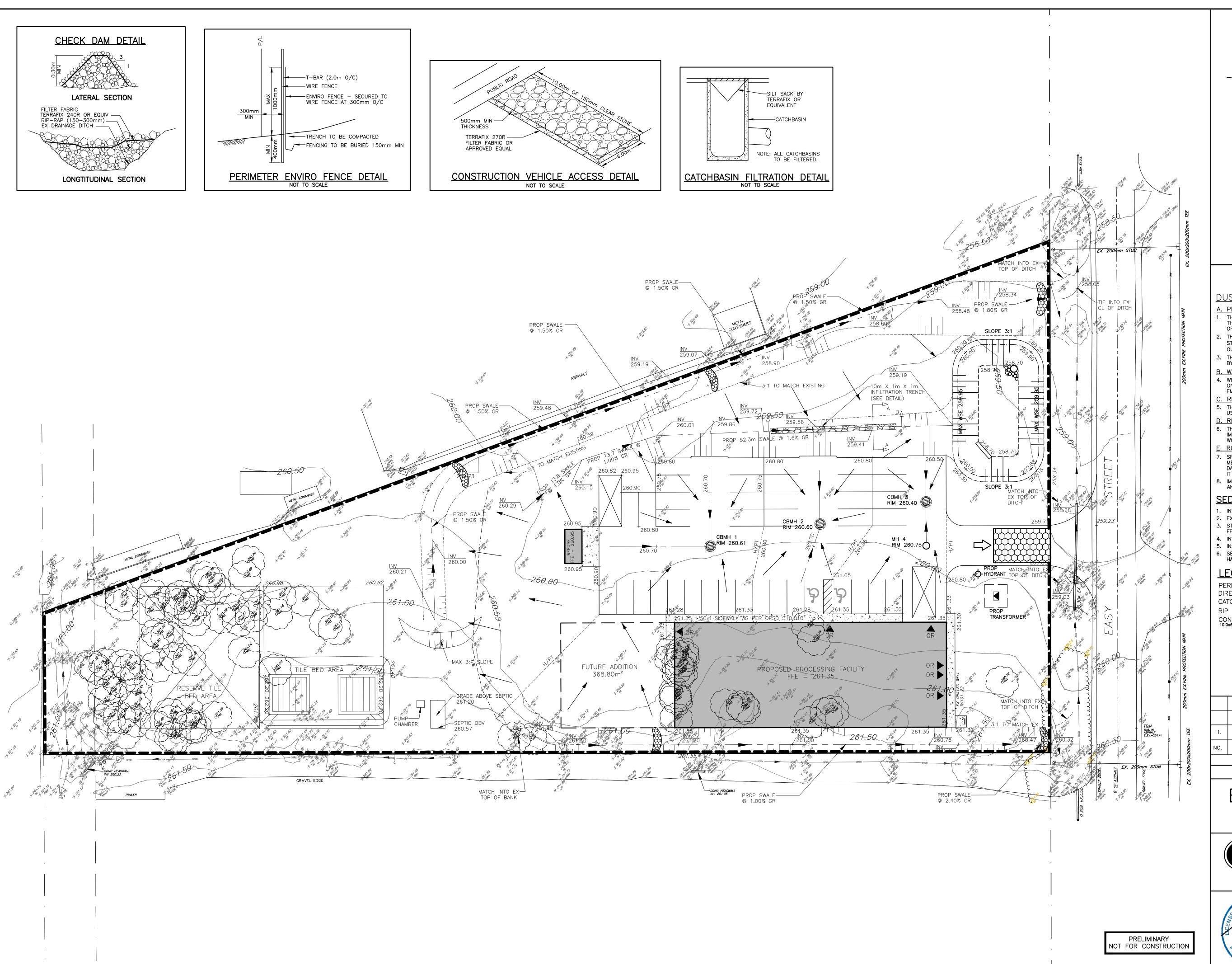
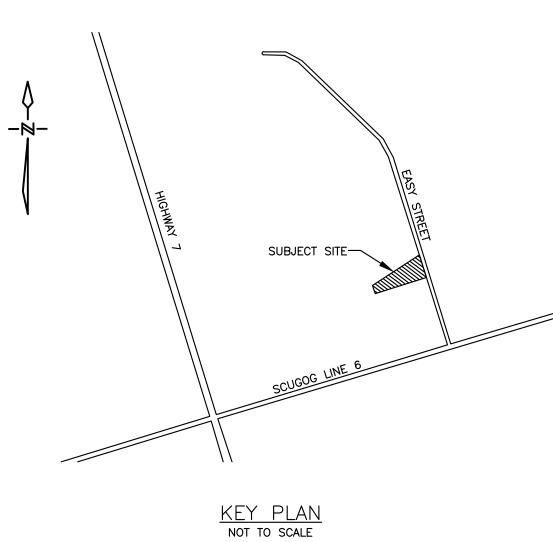


FSHR\STAFF\JOB FILE /06/2023









DUST CONTROL MEASURES:

- THE SITE SERVICING FOR THE SITE SHALL BE SCHEDULED SUCH THAT THE OVERALL TIME THE AREAS ARE LEFT OPEN TO WIND THAT CREATE BLOWING DUST FROM THE EARTHWORK
- OPERATIONS IS MINIMIZED. THE TOPSOIL STOCKPILE (IF APPLICABLE) SHALL BE STABILIZED WITHIN 30 DAYS OF STOCKPILING MATERIALS IN ACCORDANCE WITH CITY'S CRITERIA. ALL DISTURBED LANDS
- OUTSIDE THE PHASE OF WORK SHALL BE STABILIZED/VEGETATED. THE CONTRACTOR SHALL APPLY WATER TO HAUL ROADS AND STOCKPILES (IF APPLICABLE)
- BY WAY OF WATER TRUCK. 3. WATERING (POST GRADING)
- 4. WITHIN AREAS WHERE EARTHWORKS AND OR UNDERGROUND MUNICIPAL SERVICING IS ON-GOING, WATER IS TO BE UTILIZED AT SUFFICIENT QUANTITY TO PREVENT VISIBLE EMISSIONS FROM EXTENDING MORE THAN 30m FROM THE POINT OF ORIGIN.

- 5. THE ON-SITE SPEED LIMIT FOR CONSTRUCTION VEHICLES SHALL BE MINIMIZED AND TO BE USED IN CONJUNCTION WITH WATERING TO PREVENT VISIBLE DUST EMISSIONS.

D. RESTRICT ACTIVITIES DURING HIGH WIND PERIODS

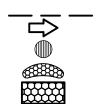
- 6. THE HIGH VISIBILITY OF CERTAIN WORKS AND THE CLOSE PROXIMITY AND POPULATION IMPACT SHOULD BE TAKEN INTO CONSIDERATION WHEN SCHEDULING DUST-PRODUCING WORK. APPROPRIATE DUST CONTROL MEASURES SHALL BE IN PLACE IN SUCH SITUATIONS.
- . SPILLAGE, EROSION OR MATERIALS "TRACKED OUT" ON A ROAD TO BE CLEANED USING MECHANICAL STREET SWEEPERS OR FLUSHER TRUCK AT LEAST BY THE END OF THE WORK DAY. HOWEVER, IF SPILLAGE EXTENDS MORE THAN 15m ALONG A PAVED PUBLIC ROADWAY,
- IT MUST BE CLEANED UP IMMEDIATELY. . IMPORTING AND EXPORTING OF MATERIALS ON AND OFF-SITE WILL BE SHUT DOWN DURING AND FOLLOWING INCLEMENT WEATHER UNTIL THE ROAD SURFACES HAVE BEEN CLEANED.

SEDIMENT CONTROL CONSTRUCTION SCHEDULE

- INSTALL PERIMETER ENVIRO FENCE AND CONSTRUCTION VEHICLE ACCESS.
- 2. EXCAVATE PERIMETER SWALES AND SEDIMENT PONDS AS REQUIRED. S. STRIP SITE OF TOPSOIL AND REMOVE OFF SITE OR STOCK PILE AND PROVIDE ENVIRO
- FENCE AROUND BOTTOM OF PILE. . INSTALL MINOR STORM SEWER SYSTEM ALONG WITH OTHER SERVICES.
- 5. INSTALL CATCHBASIN FILTRATION ON ALL CATCHBASINS AND CATCHBASIN.
- 5. SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED UNTIL ALL AREAS OF THE SITE HAVE BEEN STABILIZED WITH SOD OR ASPHALT.

LEGEND

PERIMETER ENVIRO FENCE DIRECTION OF OVERLAND FLOW CATCHBASIN FILTRATION RIP RAP CHECKDAM CONSTRUCTION VEHICLE ACCESS 10.0x6.0x0.50m OF 150mmø CLEAR STONE



1.	26 MAY/23	REVISED AS PER MUNICIPAL COMMENTS	R.D.S
NO.	DATE	REVISION	BY
		DEVICIONIC	

8 EASY STREET, PORT PERRY

EROSION AND SEDIMENT CONTROL PLAN

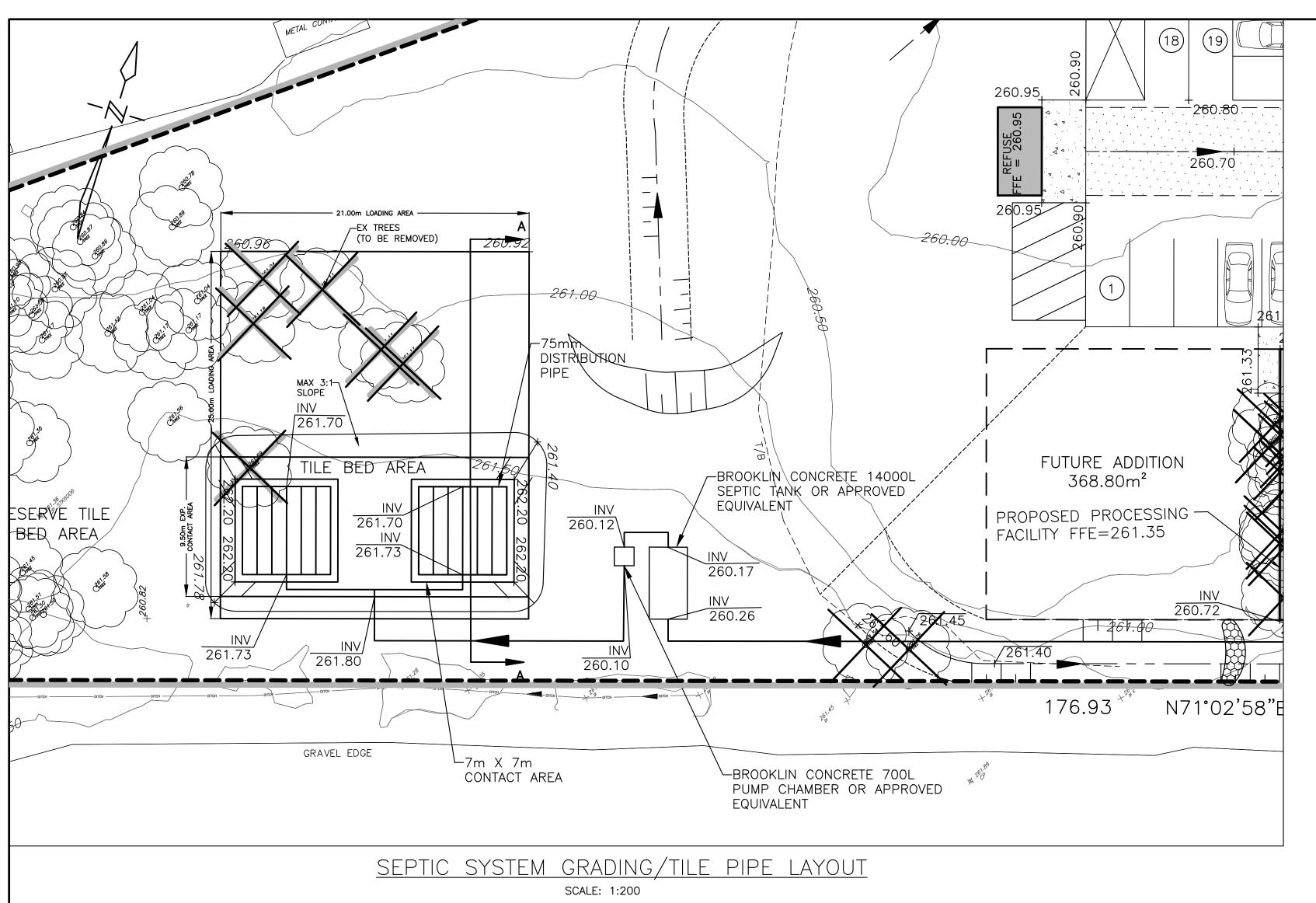


D.G. Biddle & Associates Limited consulting engineers and planners

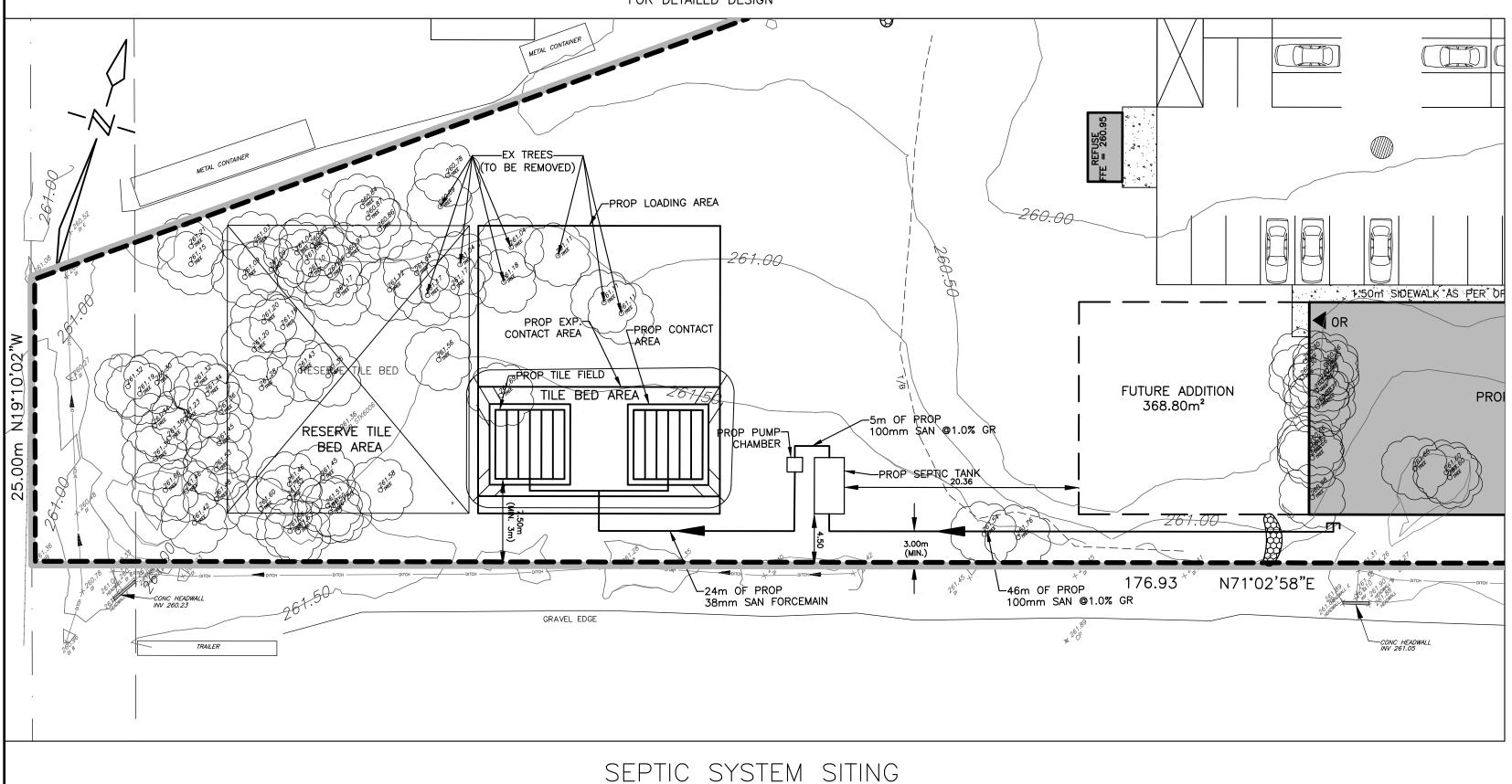
96 KING STREET EAST . OSHAWA, ON L1H 1B6 PHONE (905)576-8500 • FAX (905)576-9730 info@dgbiddle.com



SCALE:	1:300	PROJECT NO. 121053
DRAWN BY:	B.C.	DRAWING NO.
DESIGN BY:	B.C.	FS-1
CHECKED BY:	P.D.C.	
DATE:	OCT 2021	

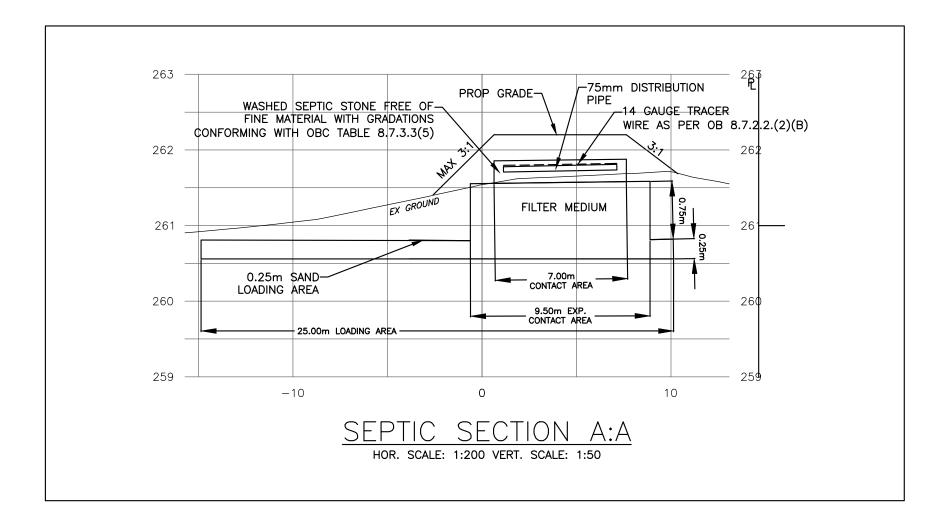


SEE GRADING/SERVICING PLANS FOR DETAILED DESIGN



SCALE: 1:300

SEE SITE PLAN FOR ENTIRE SITE DESIGN



SEPTIC DESIGN REQUIREMENTS 3550 L/DAY DESIGN LOAD PERCOLATION RATE T=15 MIN/CM SEPTIC TANK 14000 L 14 RUNS @ 6m = 84mCONTACT AREA REQ'D: A = Q/50(STONE) 71m² CONTACT AREA PROV'D: $2 \times 7m \times 7m = 98.0m^2$ EXP. CONTACT AREA REQ'D: A = QT/85062.65m² (0.75m SAND)EXP. CONTACT AREA PROV'D: 21m x 9.5m = 199.5m² LOADING AREA REQ'D: A=Q/8(0.25m SAND) 443.75m² $21m \times 25m = 525.0m^2$ LOADING AREA PROV'D: $V=\frac{3}{4}((\pi d^2)/4)$ PUMP DOSE REQ'D: 278 I 700 I PUMP CHAMBER:

325 I PER DOSE 1.70m

APPROVED EXCAVATED BACKFILL

—SAND BACKFILL COMPACTED

TO 98% PROCTOR DENSITY ---SEWER BEDDING MATERIAL

SEWER INSULATION DETAIL

NOT TO SCALE

COMPACTED TO 95% PROCTOR DENSITY

(STYROFOAM HI 40 OR APPROVED EQUAL)

—EXTRUDED POLYSTYRENE INSULATION

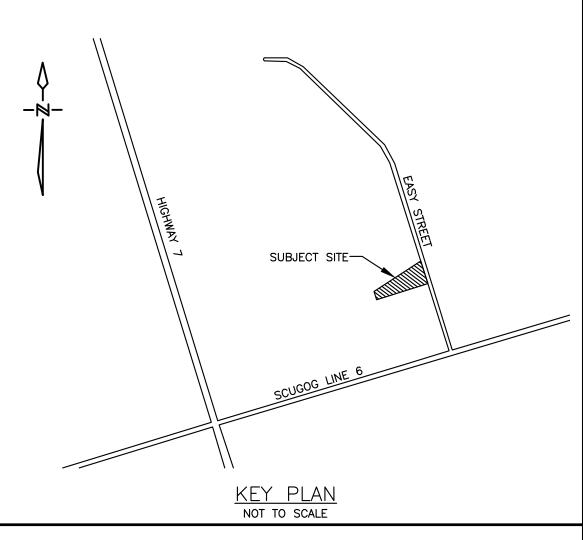
DISTRIBUTION PIPE SYSTEM

DISTRIBUTION PIPE TO BE 0.075 m IN DIA AND CONFORM TO CSA STANDARD B182-1-M1977 OR LATEST EDITION.ID SO END OF PIPE TO BE INTERCONNECTED WITH SOLID PIPE. SANITARY HOUSE CONNECTION TO BE 100 mm DIA. PVC PIPE TO CSA 182.1 AT 1.00 % GRADE MIN.

INSULATE HOUSE CONNECTION AND HEADER PIPE AS PER REGION OF DURHAM STANDARD S-307EACH LINE OF DISTRIBUTION PIPE TO HAVE UNIFORM DOWNWARD SLOPE SEPTIC TANKS/HOLDING TANKS/DOSING CHAMBERS

SEPTIC TANKS AND HOLDING TANKS SHALL CONFORM TO CSA STANDARD CAN3-B66-M85 OR LATEST EDITION. PROVIDE WATERTIGHT SEAL FOR ALL PIPE CONNECTIONS TO CONC.TANK. TANKS MUST BE DESIGNED TO CARRY A MINIMUM OF 600 mm OF COVER AND SHALL BE MARKED TO SHOW THE MAXIMUM DEPTH OF BURIAL. EFFLUENT FILTER TO BE ON THE OUTLET OF THE INSTALLED SEPTIC TANK IN ACCORDANCE WITH OBC 8.6.2.1.(1) TO 8.6.2.1.(3) INCL.

GRADING NOTES MINIMUM DEPTH OF ANY SWALE SHALL BE 150 MM. MAXIMUM SLOPE SHALL BE 3:1.



SEWAGE SYSTEM SPECIFICATIONS

GENERALLY, THE WORK INCLUDES THE PROVISION OF A NEW CLASS 4 SEWAGE TREATMENT SYSTEM, AS SHOWN AND DESCRIBED. THIS CLASS 4 PRIVATE WASTE DISPOSAL SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF ONTARIO BUILDING CODE AS AMENDED, FOR WHICH THE GOVERNING AUTHORITY SHALL BE THE REPRESENT—ATIVE OF THE LOCAL MUNICIPALITY.

THIS SYSTEM IS DESIGNED BASED ON PROPOSED BUILDING OCCUPANCY, ACQUIRED FROM THE BUSINESS OWNER. THE SYSTEM HAS BEEN OVERSIZED TO PROVIDE ADEQUATE SPACE FOR FUTURE EXPANSION.

THE CONTRACTOR WILL BE REQUIRED TO VISIT AND EXAMINE THE SITE PRIOR TO THE SUPPLY OF MATERIALS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DIFFICULTIES ARISING FROM FAILURE TO DO SO.

THE CONTRACTOR WLL ARRANGE FOR INSPECTION OF THE SYSTEM BY THE ENGINEER DURING CONSTRUCTION. INSPECTION WILL BE MADE:

(1) WHEN THE SITE HAS BEEN STRIPPED OF TOPSOIL

(2) WHEN DISTRIBUTION LINES ARE IN PLACE

(3) ON COMPLETION OF FINE GRADING. THE CONTRACTOR WILL PROVIDE 48 HOURS NOTICE OF REQUIREMENTS FOR INSPECTION OF THE WORKS IN PROGRESS TO THE ENGINEER AND LOCAL MUNICIPALITY BUILDING OFFICIAL. NO FURTHER WORK ON THE SYSTEM WILL BE UNDERTAKEN UNTIL THE INSPECTION HAS BEEN COMPLETED AND AUTHORIZATION TO PROCEED HAS BEEN GIVEN.

THIS SYSTEM SHALL NOT BE PLACED IN USE AND THE BUILDING MAY NOT BE OCCUPIED UNTIL THE SYSTEM IS INSPECTED AND APPROVED BY THE LOCAL MUNICIPAL BUILDING OFFICIAL.

BASE OF LEACHING BED AND MANTLE IS TO BE SCARIFIED PRIOR TO PLACING IMPORTED FILL. NO EQUIPMENT (RUBBER TIRED OR TRACKED) IS TO COME IN DIRECT CONTACT WITH SCARIFIED SOIL. IMPORTED MATERIAL IS TO BE BLADED INTO SCARIFIED AREA IN 200 mm TO 250mm LIFTS AND TRACK COMPACTED. ADDITIONAL FILL IS TO BE PLACED IN 200mm TO 250mm LIFTS AND TRACK COMPACTED. FILL MATERIAL FOR LEACHING BED TO BE APPROVED BY ENGINEER PRIOR TO PLACING ANY FILL TO PLACING ANY FILL.

PERFORM ALL EXCAVATION, BACKFILLING AND COMPACTION REQUIRED FOR THE WORK. REMOVE ALL TREES AND BRUSH FROM THE AREA OF THE NEW LEACHING BEDS, AS REQUIRED.

BUILDING EAVESTROUGHS, BUILDING SUMP, WATER SOFTENER AND FURNACE CONDENSATE DISCHARGES SHALL NOT BE CONNECTED TO SEWAGE SYSTEM. DIRECT ALL SUCH FLOWS TO SPLASH PADS OUTSIDE THE STRUCTURE AND ENSURE THAT DRAINAGE FROM SPLASH PADS IS

LEACHING BED AREAS SHALL BE TOPSOILED AND SODDED IMMEDIATELY UPON COMPLETION OF DISTRIBUTION LINES TO CONTROL EROSION. NO STRUCTURES, INCLUDING ACCESSORY BUILDINGS AND SWIMMING POOLS, SHALL BE LOCATED WITHIN THE PRIMARY AND RESERVE LEACHING BED AREAS.

DIRECTED AWAY FROM LEACHING BED AND TANK AREAS.

ALL BASEMENT FIXTURES AND FLOOR DRAINS TO BE PUMPED TO SEPTIC SYSTEM, (AS REQUIRED). THE INSTALLATION OF LAWN IRRIGATION SYSTEMS SHALL NOT BE PERMITTED WITHIN THE PRIMARY OR RESERVE LEACHING AREAS. SPRINKLER HEADS SHALL SPRAY AWAY FROM PRIMARY OR RESERVE

AS PER O.B.C SECTION 8.7.2.2 THE HEADER LINE AND DISTRIBUTION PIPES SHALL BE CONSTRUCTED WITH A 14 GAUGE TW SOLID COPPER WIRE (C/W LIGHT COLOURED PLASTIC COATING)

PRELIMINARY NOT FOR CONSTRUCTION

121053

SA-1

RAWING NO.

26 MAY/23 | REVISED AS PER MUNICIPAL COMMENTS DATE REVISION REVISIONS

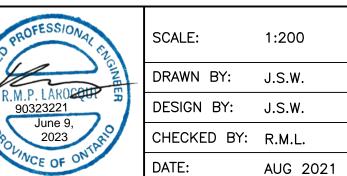
8 EASY STREET, PORT PERRY

SEPTIC DESIGN/SITING PLAN



D.G. Biddle & Associates Limited consulting engineers and planners

96 KING STREET EAST • OSHAWA, ON L1H 1B6 PHONE (905)576-8500 • FAX (905)576-9730 info@dgbiddle.com



PROFESSIONAL CLO	SCAI
	DRA
R.M.P. LAROCOUR 5	DESI
June 9, 2023	CHE
NCE OF ON	DATE