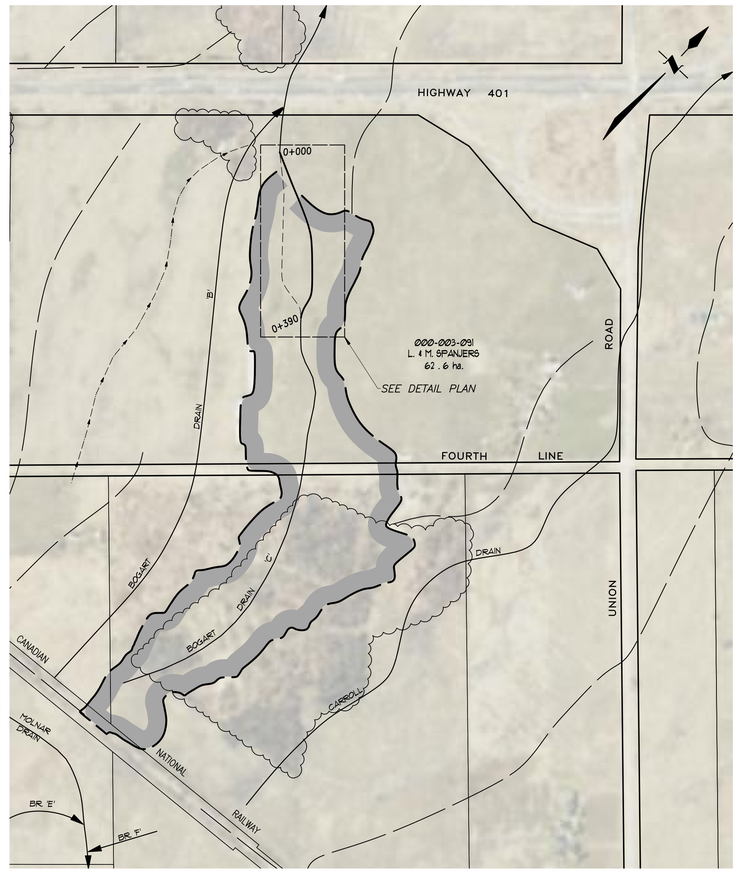
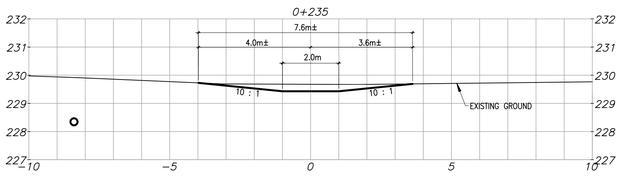
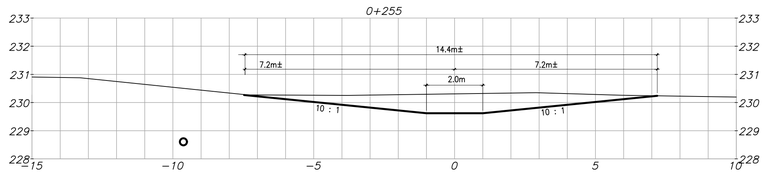


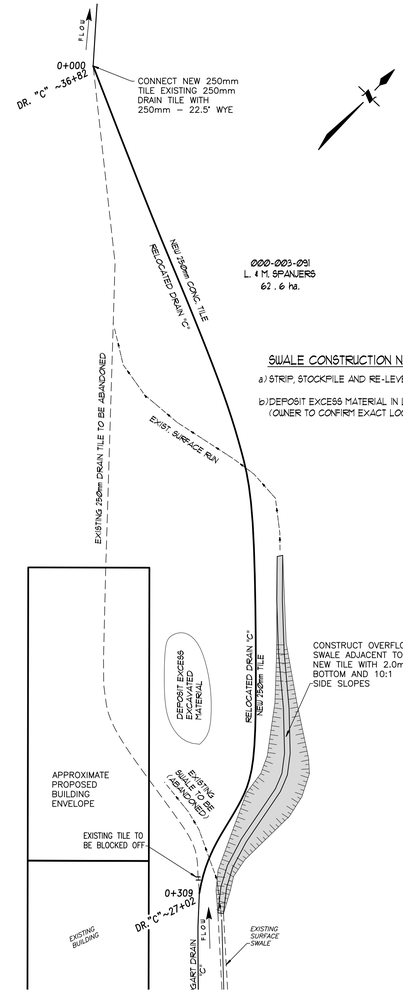
PLAN SCALE 1:5,000

PLAN LEGEND

- LIMIT OF WATERSHED AREA
- PROPOSED DRAINAGE WORKS
- EXTERIOR OR INTERIOR WATERSHED
- EXISTING TILE TO BE ABANDONED
- EXIST. MUNICIPAL DRAIN
- 10 - 005 ASSESSMENT ROLL NUMBER; J. SMITH OWNERS NAME; 40.9 Ha. HECTARES OWNED
- BUSH AREA





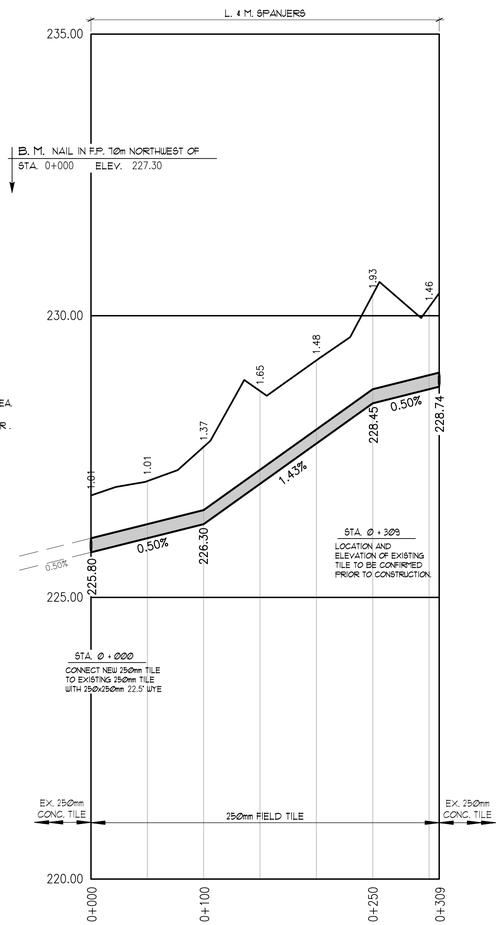


DETAIL PLAN SCALE 1:1000

SWALE CONSTRUCTION NOTES

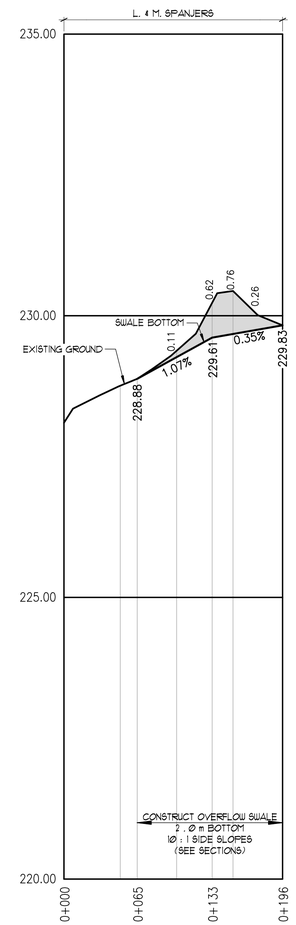
a) STRIP, STOCKPILE AND RE-LEVEL TOPSOIL FROM ENTIRE CONSTRUCTION AREA.

b) DEPOSIT EXCESS MATERIAL IN LOCATIONS SHOWN FOR FUTURE USE BY OWNER. (OWNER TO CONFIRM EXACT LOCATION PRIOR TO CONSTRUCTION)



DRAIN "C" PROFILE

SCALE: HOR. 1:2,500
VERT. 1:50



OVERFLOW SWALE PROFILE

SCALE: HOR. 1:2,500
VERT. 1:50

GENERAL NOTES

1/ OUR SPECIFICATIONS DATED JANUARY 2020 APPLY TO THIS PROJECT.

2/ THE WORKING WIDTH AVAILABLE TO THE CONTRACTOR TO CONSTRUCT THE NEW DRAINS SHALL CONSIST OF THOSE LANDS IMMEDIATELY ADJACENT TO THE DRAIN AND CONNECTIONS AND SHALL NOT EXCEED THE FOLLOWING AVERAGE WIDTHS:

CLOSED PORTIONS - 15 METERS PLUS THE REQUIRED WIDTH FOR SWALE MAINTENANCE
THE WORKING WIDTH FOR PURPOSES OF FUTURE MAINTENANCE SHALL BE 10 METERS PLUS THE REQUIRED WIDTH FOR SWALE MAINTENANCE.

3/ ALL OWNERS ALONG THE COURSE OF THE DRAIN SHALL MAKE AN ACCESS ROUTE FROM THE NEAREST ROAD TO THE DRAIN LOCATION AVAILABLE TO THE CONTRACTOR THE AVERAGE WIDTH OF THIS ROUTE SHALL NOT EXCEED 8 METERS. THE ACCESS ROUTE SHALL ALSO APPLY FOR FUTURE MAINTENANCE PURPOSES.

4/ a) ALL UTILITIES TO BE LOCATED AND EXPOSED PRIOR TO CONSTRUCTION SO THAT THE NEW TILE GRADES CAN BE CONFIRMED. IF THERE IS A CONFLICT IN ELEVATION BETWEEN THE PROPOSED DRAIN AND THE UTILITY, THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY.
b) CONTRACTOR TO NOTIFY ALL UTILITIES 72 HOURS PRIOR TO HIS SCHEDULED TIME FOR STARTING THE ABOVE WORK.
c) THE COST FOR THIS WORK SHALL BE INCLUDED IN THE ITEM ON THE EXTENT OF WORK AND NO EXTRA PAYMENT SHALL BE MADE TO THE CONTRACTOR, EXCEPT IF ROAD RESTORATION IS REQUIRED.

5/ CONTRACTOR TO ARRANGE A PRE-CONSTRUCTION MEETING WITH THE ENGINEER, DRAINAGE SUPERINTENDENT, AND THE AFFECTED OWNERS. ALL PARTIES SHALL RECEIVE 48 HOURS NOTICE TO THE MEETING.

6/ ALL FIELD TILE TO CONFORM TO "SECTION C, 1" IN THE SPECIFICATIONS. WHERE FIELD TILE IS SPECIFIED, THE CONTRACTOR MAY ELECT TO INSTALL CONCRETE FIELD TILE OR SMOOTH WALL PLASTIC PIPE.
a) CONCRETE TILE SHALL BE HEAVY DUTY AND INSTALLED IN ACCORDANCE WITH "SECTION C, 1" IN THE SPECIFICATIONS.
b) SMOOTH WALL PLASTIC PIPE (PERFORATED WITH SOCK) SHALL BE FLEXIBLE (COILABLE) DUAL WALL 250KPA OR STRONGER PIPE SUCH AS "GOLDFLEX" OR "ADS" OR APPROVED EQUAL. FILTER SOCK SHALL BE "TEXCEL 8100-D", "TERRAFIX 200R" OR APPROVED EQUAL.

7/ EXACT LOCATION OF NEW DRAIN TO BE AS SHOWN IN THE DETAIL PLAN

8/ a) INSTALLATION OF TILE AND TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH "SECTION C - TILE DRAIN" IN THE SPECIFICATIONS.
b) ALL CONCRETE TILE AND TILE-PIPE JOINTS TO BE WRAPPED WITH GEOTEXTILE IN ACCORDANCE WITH "SECTION C, 8" IN THE SPECIFICATIONS.
c) ALL SMOOTH WALL PLASTIC PIPE SHALL BE INSTALLED WITH APPROVED DRAINAGE PLOW.
d) NO CONSTRUCTION EQUIPMENT OR FARM MACHINERY SHALL CROSS OVER THE MOUNDED BACKFILLED TILE TRENCHES UNTIL SUFFICIENT SETTLEMENT HAS OCCURRED.
e) STRIP AND STOCKPILE TOPSOIL FROM CONSTRUCTION AREA, EXCESS SPOIL TO BE LEVELLED AND TOPSOIL RELEVELLED OVER SPOIL, MOUNDED TRENCH AND REMAINING CONSTRUCTION AREA.

9/ a) THE CONTRACTOR SHALL ENSURE THAT ALL TRIBUTARY DRAINS ARE CONNECTED DURING TIME OF CONSTRUCTION. ANY MISSED TILE CONNECTIONS THAT ARE FOUND DURING THE WARRANTY PERIOD OF THE CONTRACT SHALL BE COMPLETED BY THE CONTRACTOR AND SHALL BE PAID THE AMOUNT SET OUT ON PAGE 2 OF THE "FORM OF TENDER". NO ADDITIONAL PAYMENT FOR MOBILIZATION WILL BE ALLOWED. THE CONTRACTOR IS NOT RESPONSIBLE FOR COMPLETING MISSED TILE CONNECTIONS THAT ARE FOUND AFTER THE WARRANTY PERIOD FOR THE CONTRACT HAS EXPIRED.
b) ALL TILE CONNECTIONS TO BE MADE WITH CORING MACHINE AND PLASTIC ADAPTOR OR PREFABRICATED FITTINGS.
c) THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A LIST SHOWING STATIONS OF ALL TILE CONNECTIONS UPON COMPLETION OF CONSTRUCTION.

10/ EXISTING DRAIN "C" BEING REPLACED SHALL BE ABANDONED FROM MUNICIPAL STATUS. OWNER TO DESTROY OLD DRAIN PRIVATELY INCLUDING ACCOMPANYING LATERAL TILES

BOGART DRAIN 'C' 2023

Township of Southwold

Drainage Superintendent:
BRENT CLUTTERBUCK
519-769-2010

No.	REVISIONS	DATE

LICENSED PROFESSIONAL ENGINEER
M. P. DeVOS
PROVINCE OF ONTARIO

Drawn By: AV	Field Book	JOB No.	Drawing No.
Date: JUNE 9th, 2023	GPS/RTS	222196	1 of 1

PLAN, PROFILES, & DETAIL

SPRIET ASSOCIATES
LONDON LIMITED
CONSULTING ENGINEERS
155 YORK STREET --LONDON (519) 672-4100--N6A 1A8