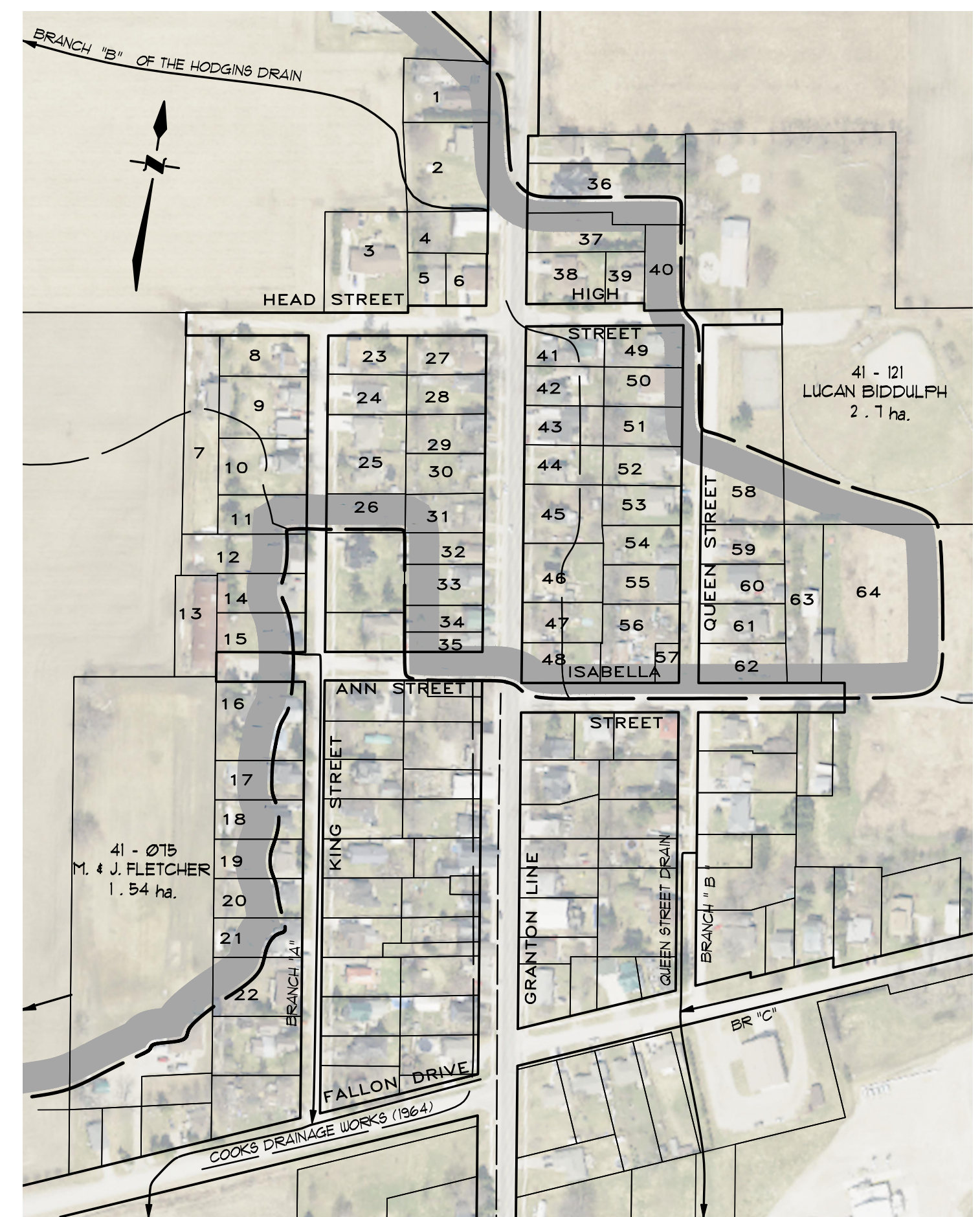
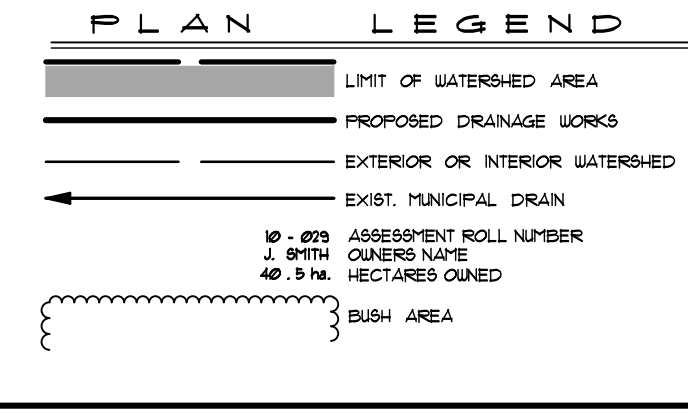


PLAN SCALE 1 : 1,500



DETAIL PLAN SCALE 1 : 2,500

ROLL NO.		OWNERSHIP	HECTARES OWNED	ROLL NO.		OWNERSHIP	HECTARES OWNED
1)	40-095	C. BARKER	0.12	33)	41-029	K. PATTERSON & C. ANGUS	0.08
2)	40-095-01	T. & L. FOSTER	0.19	34)	41-031	P. & C. MARSHALL	0.05
3)	40-096-02	S. MAGUIRE & D. PLUMB	0.22	35)	41-032	T. & K. FRANCIS	0.04
4)	40-094	GRANTON MASONIC HALL	0.08	36)	41-020-01	UNITED CHURCH OF CANADA	0.23
5)	41-022-50	R. JOYCE-MAYNARD & A. MAYNARD	0.11	37)	41-020	C. & L. FINKBEINER	0.10
6)	41-022	J. HACK	0.11	38)	41-019-90	B. BRODHAGEN & C. VAN AERT	0.11
7)	41-063-01	R. MCLEOD & H. SMITH	0.17	39)	41-019-95	J. DAS NEVES	0.11
8)	41-064	K. SHEARME	0.09	40)	41-101	P. MOORE	0.09
9)	41-065	K. MARSHALL	0.15	41)	41-019	P. GUINDON	0.08
10)	41-066	J. & W. HARDING	0.12	42)	41-018	J. MCKINNON & B. GRAHAM	0.08
11)	41-067	B. MARK & N. PLUNKETT	0.09	43)	41-017	A. FREEMAN & T. KLOMP	0.08
12)	41-068	H. PETERS & T. LOEWEN	0.11	44)	41-016	T. SPENCE	0.08
13)	41-063	I. CHISHOLM	0.11	45)	41-015	J. NOON	0.12
14)	41-068-02	C. WIEBE	0.09	46)	41-014	A. & A. WAKEM	0.12
15)	41-069	2605591 ONTARIO LTD.	0.09	47)	41-013	K. PACKWOOD & K. CRITTENDEN	0.08
16)	41-070	I. & A. CHISHOLM	0.16	48)	41-012	W. & E. HENNING	0.08
17)	41-071	J. MARTENS & L. WARD	0.09	49)	41-100	J. & J. ST. PIERRE	0.08
18)	41-072	C. & R. SIMONS	0.09	50)	41-099	T. BLUE	0.08
19)	41-073	H. FOSTER	0.09	51)	41-098	B. HARRIGAN	0.08
20)	41-074	S. MULLHOLLAND	0.09	52)	41-096-95	R. & E. SALTER	0.08
21)	41-076	M. FLETCHER	0.08	53)	41-097	D. & M. TRAHER	0.08
22)	41-077	J. COOK & A. WILSON	0.13	54)	41-096	R. VANDERGAST	0.08
23)	41-062	J. & K. ARMSTRONG	0.08	55)	41-095	L. & A. VANLEEUWEN	0.08
24)	41-061	J. GARRETT	0.08	56)	41-093	A. & E. FLUHRER	0.15
25)	41-060	D. & M. ANGUS	0.16	57)	41-092	LUCAN BIDDULPH TOWNSHIP	0.02
26)	41-059-01	L. NAGLE & C. JASON	0.08	58)	41-102	LUCAN BIDDULPH TOWNSHIP	0.40
27)	41-023	M. HOLDEN	0.08	59)	41-105	B. BILCKE	0.08
28)	41-024	D. & H. ANDERSON	0.08	60)	41-106	R. MCCURDY	0.08
29)	41-025	V. & C. MIDDLETON	0.08	61)	41-107	G. WESTMAN	0.08
30)	41-026	M. HARDING	0.08	62)	41-109	N. REEB	0.08
31)	41-027	K. & B. LAMBOURN	0.08	63)	41-105-01	A. & H. KER	0.18
32)	41-028	K. LAMBOURN	0.06	64)	41-108	509459 ONTARIO LTD.	28.43



## HODGINS DRAIN 2020

Township of Lucan Biddulph

Drainage Superintendent:	No.	REVISIONS	DATE
ALEX VERBEEK			
519-852-0591			

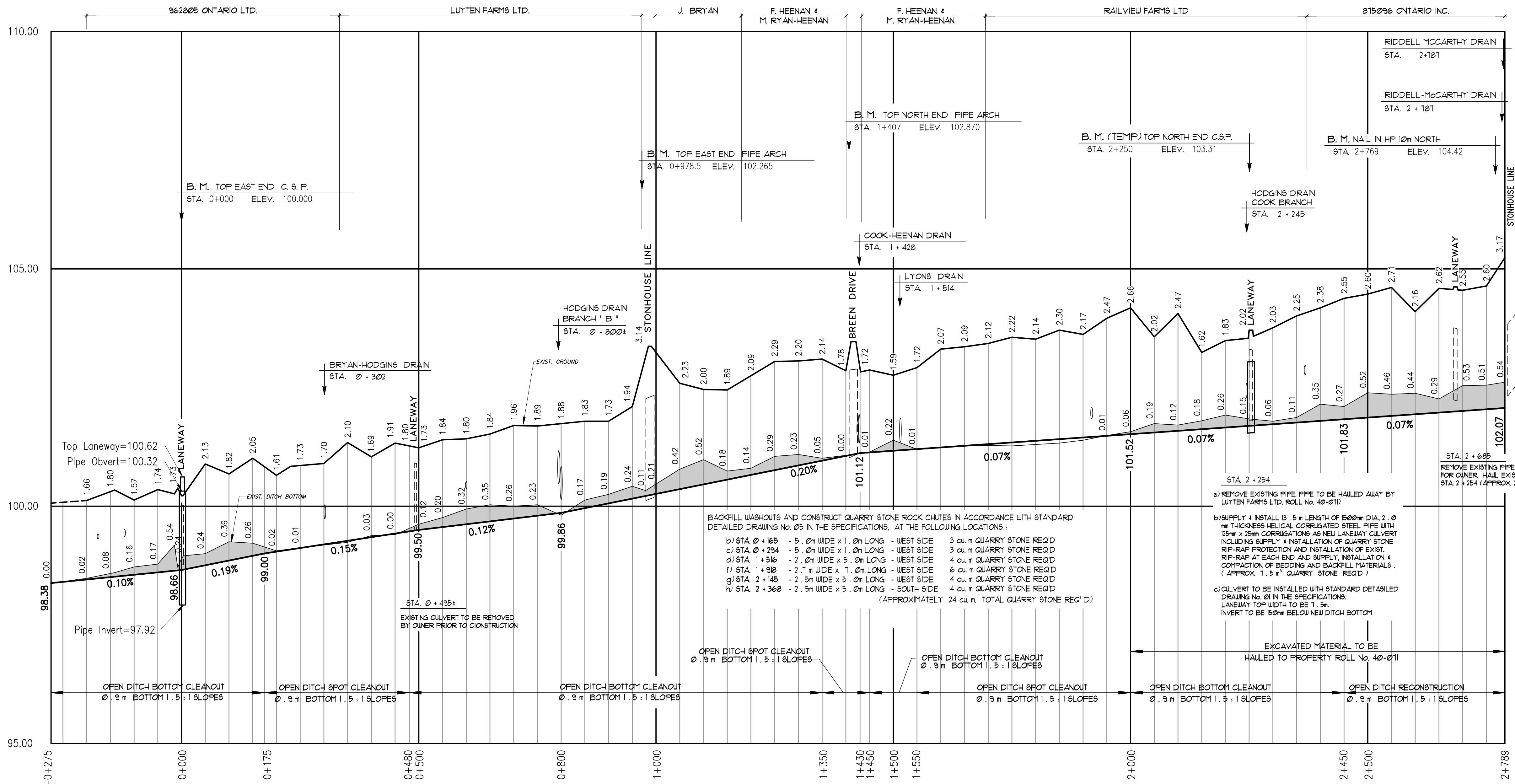
Drawn By: TF	Field Book GFS	JOB No. 219027	Drawing No. 1 of 2
Date: MAR 27, 2020	D:264, D:268		

PLAN & DETAIL

### SPRIET ASSOCIATES LIMITED

LONDON CONSULTING ENGINEERS

155 YORK STREET - LONDON (519) 672-4100 - NEA 1A8



**MAIN DITCH PROFILE**  
SCALE: HOR. 1:5,000  
VERT. 1:50

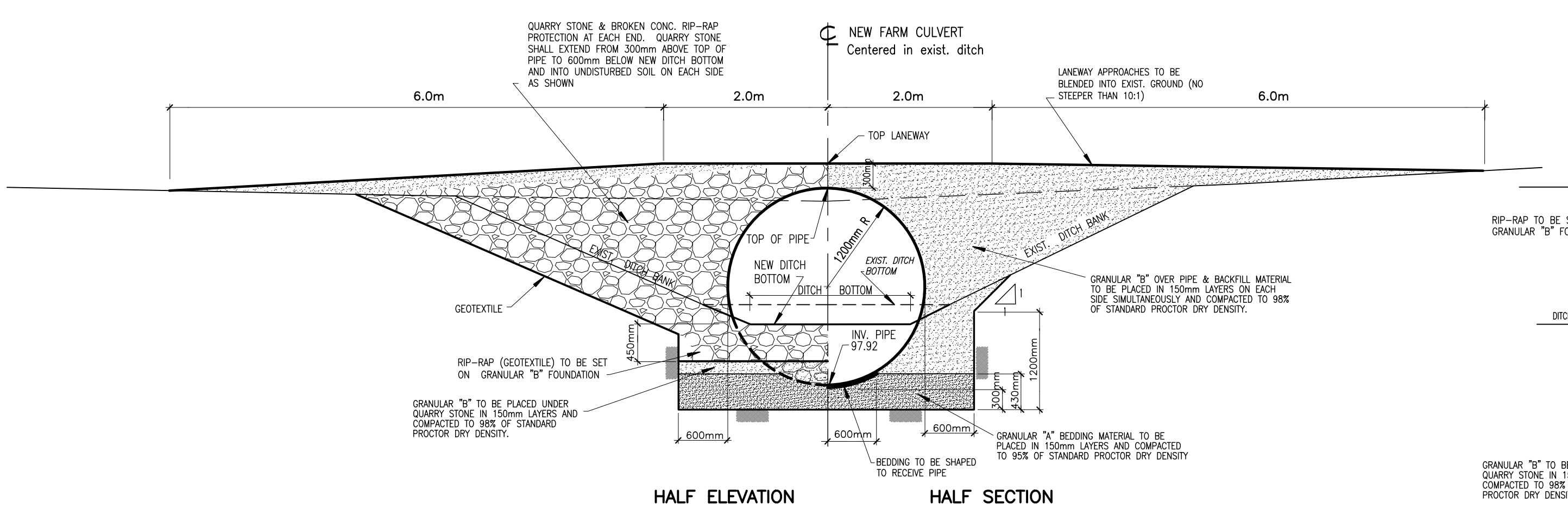
**GENERAL NOTES**

- OUR SPECIFICATIONS DATED JANUARY 2020 APPLY TO THIS PROJECT.
- 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:  
OPEN PORTIONS - 11 meters (INCLUDING 2.4m BUFFER)  
OPEN PORTIONS - 13 meters DITCH RECONSTRUCTION (PLUS LAND TAKEN FOR RESLOPING)  
OPEN PORTIONS - 13 meters WHERE MATERIAL IS HAULED AWAY  
OPEN PORTIONS - 10 meters WHERE SPOT CLEANOUT WORKING WIDTH FOR PURPOSES OF FUTURE MAINTENANCE SHALL BE THE SAME AS ABOVE
- 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.
- a) ALL UTILITIES TO BE LOCATED AND EXPOSED PRIOR TO CONSTRUCTION SO THAT THE NEW PROPOSED DRAIN AND THE UTILITY THE ENGINEER IS TO BE NOTIFIED IMMEDIATELY.  
b) CONTRACTOR TO NOTIFY ALL UTILITIES 24 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.
- ALL TREES, SCRUB, BRUSH, ETC. TO BE CLEARED AND GRUBBED IN ACCORDANCE WITH SECTION B.3 AND C.4 SPECIFICATIONS.
- RIP-RAP TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH SECTION A.12 IN THE SPECIFICATIONS.
- 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.
- EXISTING DITCH BOTTOM ONLY TO BE CLEANED OUT IN ACCORDANCE WITH SPECIFICATIONS UNLESS OTHERWISE NOTED ON PROFILES AND IN SECTIONS.
- WORK TO BE COMPLETED FROM AND EXCAVATED MATERIAL TO BE DISPOSED OF/LEVELLED ON THE FOLLOWING SIDES OF THE DITCH IN ACCORDANCE WITH SECTION B.5 IN THE SPECIFICATIONS:  
STA. 0+175 TO STA. 0+975 - WEST SIDE AND LEVELLED  
STA. 0+975 TO STA. 2+000 - WEST SIDE AND LEVELLED  
STA. 2+000 TO STA. 2+789 - WEST SIDE, HAULED AWAY AND DISPOSED OF
- A 2.4 METER WIDE BUFFER STRIP OF NEW EXISTING VEGETATION BETWEEN THE TOP OF THE BANK AND THE CULTIVATED LANDS ON BOTH SIDES OF THE DITCH SHALL BE MAINTAINED AS PART OF THE OPEN PORTION OF THE DRAIN. ADDITIONAL 1.0 m SEEDING REQ'D FROM STA. 2+450 TO STA. 2+789
- NEWLY EXPOSED DITCH BANKS ARE TO BE HAND SEEDING UPON COMPLETION OF CONSTRUCTION IN ACCORDANCE WITH SECTION B.11 IN THE SPECIFICATIONS
- SILT FENCE TO BE PLACED ACROSS DITCH BOTTOM AT STA. 0+175 DURING CONSTRUCTION TO PREVENT SILT FROM FLUSHING DOWNSIDE, AND ARE TO BE MAINTAINED AS NECESSARY DURING CONSTRUCTION. SILT FENCE AND SILT TO BE REMOVED AND DISPOSED OF AFTER CONSTRUCTION.
- STATIONS 0+960 & 2+240  
CONSTRUCT SEDIMENT BASIN IN DITCH BOTTOM FOR FULL WIDTH OF DITCH BOTTOM. SEDIMENT BASIN TO BE 450mm DEEP WITH PARABOLIC SHAPE AND 15m LONG.

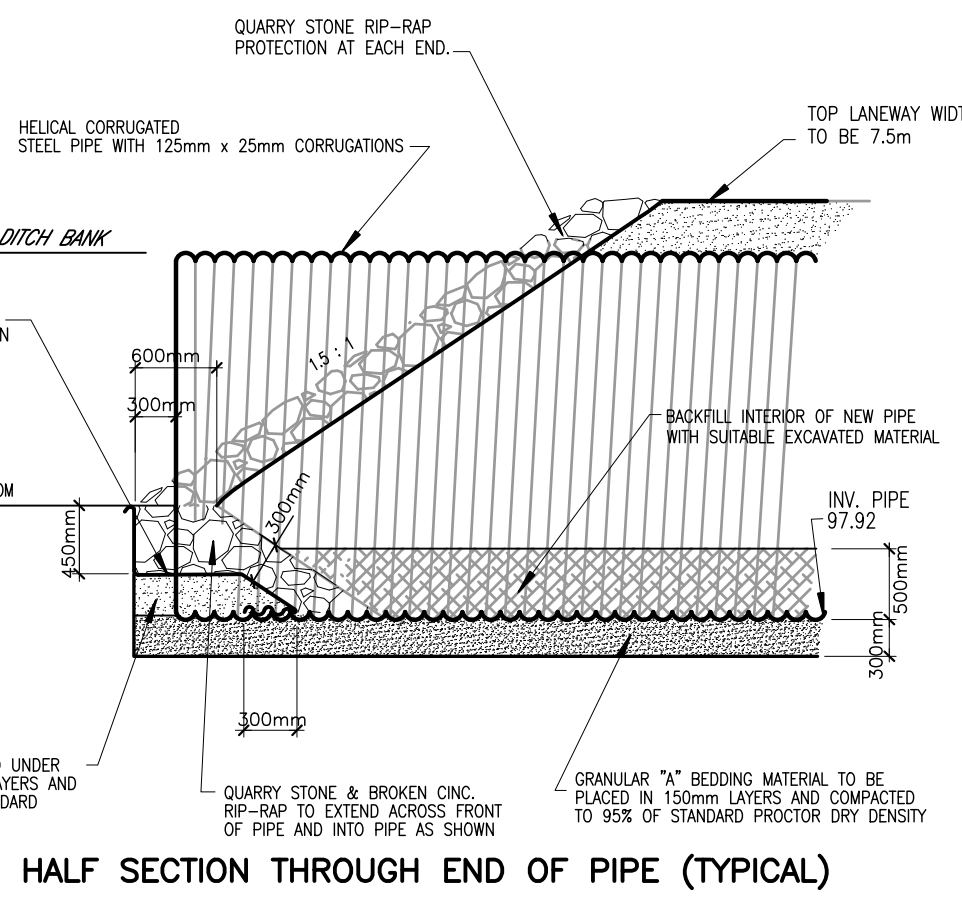
STA. 0+002  
a) REMOVE & DISPOSE OF EXISTING PIPE.  
SUPPLY & INSTALL 9.5 m LENGTH OF 2400mm DIA. 2.9 mm THICKNESS HELICAL CORRUGATED STEEL PIPE WITH 125mm x 25mm CORRUGATIONS AS NEW LANEWAY CULVERT INCLUDING SUPPLY & INSTALLATION OF QUARRY STONE RIP-RAP PROTECTION AT EACH END AND SUPPLY, INSTALLATION & COMPACTION OF BEDDING AND BACKFILL MATERIALS. (APPROX. 12 m<sup>3</sup> QUARRY STONE REQ'D)  
b) CULVERT TO BE INSTALLED WITH DETAIL "A" LANEWAY TOP WIDTH TO BE 1.5m.

BACKFILL WASHOUTS AND CONSTRUCT QUARRY STONE ROCK CHUTES IN ACCORDANCE WITH STANDARD DETAILED DRAWING No. 08 IN THE SPECIFICATIONS, AT THE FOLLOWING LOCATIONS:  
b) STA. 0+165 - 5.0m WIDE x 1.0m LONG - WEST SIDE 3 cu.m QUARRY STONE REQ'D  
c) STA. 0+294 - 5.0m WIDE x 1.0m LONG - WEST SIDE 3 cu.m QUARRY STONE REQ'D  
d) STA. 1+516 - 2.0m WIDE x 5.0m LONG - WEST SIDE 4 cu.m QUARRY STONE REQ'D  
e) STA. 1+918 - 2.7m WIDE x 1.0m LONG - WEST SIDE 6 cu.m QUARRY STONE REQ'D  
f) STA. 2+145 - 2.5m WIDE x 5.0m LONG - WEST SIDE 4 cu.m QUARRY STONE REQ'D  
g) STA. 2+368 - 2.5m WIDE x 5.0m LONG - SOUTH SIDE 4 cu.m QUARRY STONE REQ'D (APPROXIMATELY 24 cu.m TOTAL QUARRY STONE REQ'D)

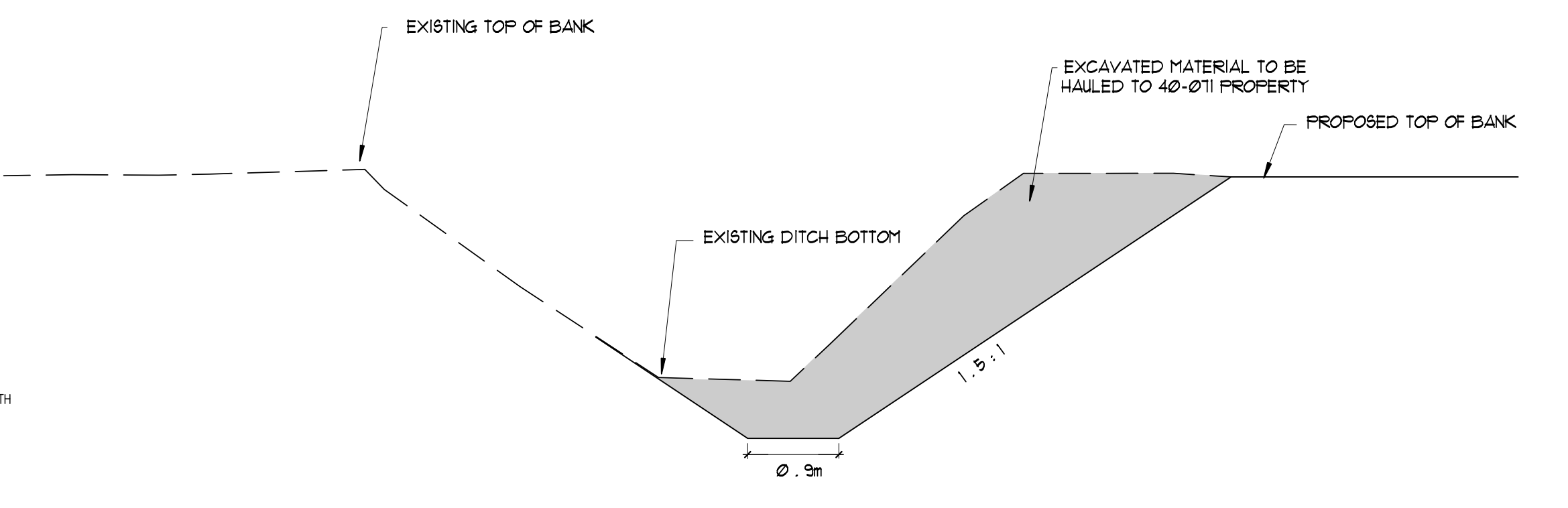
a) REMOVE EXISTING PIPE. PIPE TO BE HAULED AWAY BY LUYTEN FARMS LTD. ROLL No. 40-071  
b) SUPPLY & INSTALL 13.5 m LENGTH OF 1500mm DIA. 2.0 mm THICKNESS HELICAL CORRUGATED STEEL PIPE WITH 125mm x 25mm CORRUGATIONS AS NEW LANEWAY CULVERT INCLUDING SUPPLY & INSTALLATION OF QUARRY STONE RIP-RAP PROTECTION AND INSTALLATION OF EXISTING RIP-RAP AT EACH END AND SUPPLY, INSTALLATION & COMPACTION OF BEDDING AND BACKFILL MATERIALS. (APPROX. 1.5 m<sup>3</sup> QUARRY STONE REQ'D)  
c) CULVERT TO BE INSTALLED WITH STANDARD DETAILED DRAWING No. 08 IN THE SPECIFICATIONS. LANEWAY TOP WIDTH TO BE 1.5m. INVERT TO BE 50mm BELOW NEW DITCH BOTTOM



**NEW FARM CULVERT (STA. 0+002)**  
**DETAIL "A"**  
N.T.S.



**HALF SECTION THROUGH END OF PIPE (TYPICAL)**



**SECTION DETAIL N.T.S.**

**HODGINS DRAIN 2020**  
Township of Lucan Biddulph

Drainage Superintendent:  
**ALEX VERBEEK**  
519-852-0591

No.	REVISIONS	DATE

Drawn By: TF  
Date: MAR 27, 2020

Field Book GFS  
D-264, D-268

JOB No. 219027  
Drawing No. 2 of 2

**PROFILE & DETAILS**

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