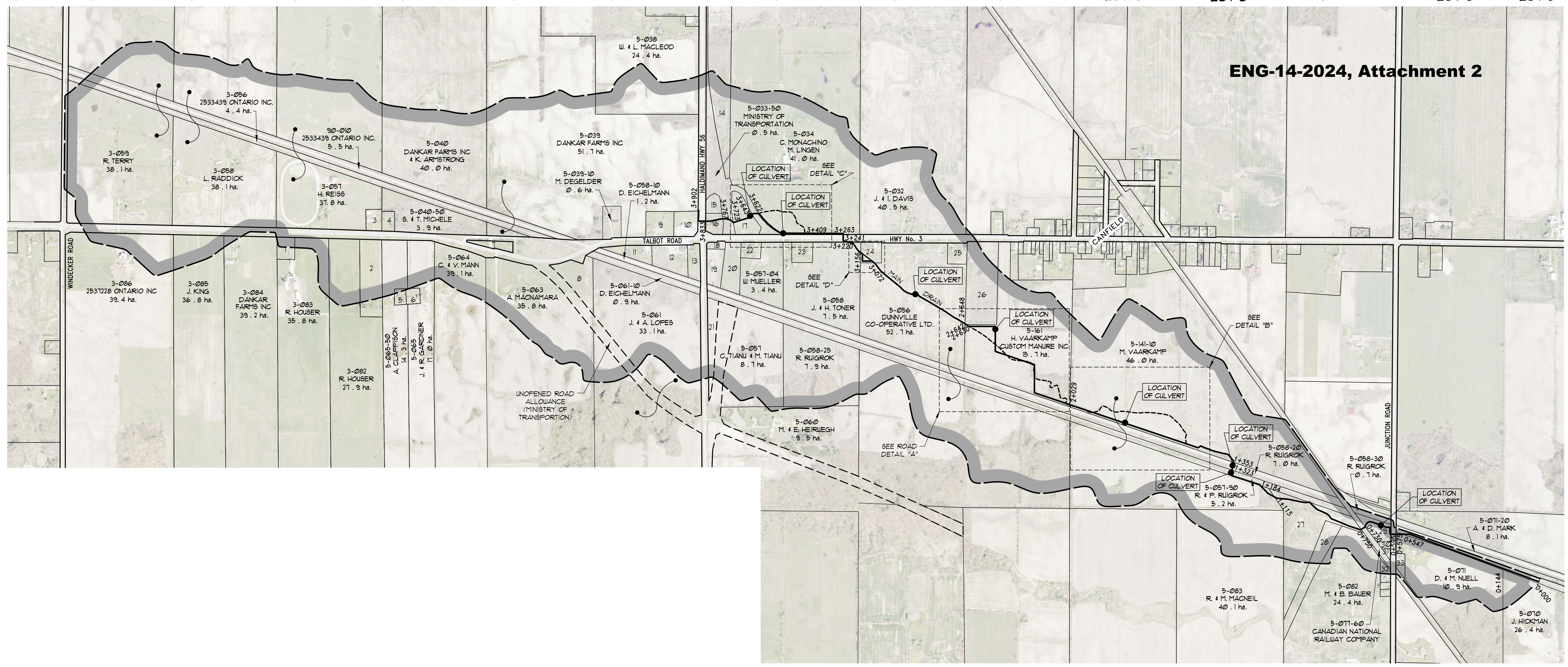


CONCESSION N.T.R.

CONCESSION S.T.R.



PLAN SCALE 1:1,500

**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:  
OPEN PORTIONS 15m  
OPEN PORTIONS (DITCH RELOCATION) 18m  
THE WORKING WIDTH FOR PURPOSES OF FUTURE MAINTENANCE SHALL BE 10m.
- 3/ ALL OWNERS ALONG THE COURSE OF THE DRAIN SHALL MAKE AN ACCESS ROUTE TO 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 10 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/ ALL TREES, SCRUB, BRUSH, ETC. TO BE CLEARED AND GRUBBED IN ACCORDANCE WITH "SECTION B.3 AND C.4" SPECIFICATIONS.
- 6/ RIP-RAP TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH "SECTION A.12" IN THE SPECIFICATIONS.
- 7/ 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.

**OPEN PORTIONS**


- 8/ EXISTING DITCH BOTTOM ONLY TO BE CLEANED OUT AND RECONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS UNLESS OTHERWISE NOTED ON PROFILES AND IN SECTIONS.
- 9/ WORK TO BE COMPLETED FROM AND EXCAVATED MATERIAL TO BE DEPOSITED AND LEVELLED ON THE FOLLOWING SIDES OF THE DITCH IN ACCORDANCE WITH "SECTION B.5" IN THE SPECIFICATIONS.  
STA. 0+000 TO STA. 1+353 - SOUTH SIDE AND LEVELED  
STA. 1+353 TO STA. 2+513 - NORTH SIDE AND LEVELED  
STA. 1+500 TO STA. 2+630 - MATERIAL TO BE HAULED TO BACKFILLED DITCH  
STA. 2+513 TO STA. 3+241 - SOUTH SIDE AND LEVELED  
STA. 3+241 TO STA. 3+902 - NORTH SIDE AND LEVELED
- 10/ A 3 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.
- 11/ NEWLY EXPOSED DITCH BANKS ARE TO BE HAND SEEDED UPON COMPLETION OF CONSTRUCTION IN ACCORDANCE WITH "SECTION B.11" IN THE SPECIFICATIONS
- 12/ SILT FENCE TO BE PLACED ACROSS DITCH BOTTOM AT STA. 0+000 DURING CONSTRUCTION TO PREVENT SILT FROM FLUSHING DOWNSTREAM, AND ARE TO BE MAINTAINED AS NECESSARY DURING CONSTRUCTION. SILT FENCE AND SILT TO BE REMOVED AND DISPOSED OF AFTER CONSTRUCTION.

**LOT LEGEND**

| ROLL No.     | OWNERSHIP                     | HECTARES OWNED |
|--------------|-------------------------------|----------------|
| 1) 3-083-90  | B. BOIS                       | 0.60           |
| 2) 3-082-50  | N. BROHMAN                    | 2.40           |
| 3) 3-057-10  | R. & B. PAULS                 | 0.50           |
| 4) 3-056-01  | HALDIMAND COUNTY              | 0.90           |
| 5) 5-065-60  | K. MULLER                     | 0.30           |
| 6) 5-065-20  | A. CLAPPISON                  | 0.30           |
| 7) 5-040-01  | MINISTRY OF TRANSPORTATION    | 1.00           |
| 8) 5-063-50  | MINISTRY OF TRANSPORTATION    | 1.60           |
| 9) 5-037     | J. & M. GERRITSEN             | 1.00           |
| 10) 5-036    | 1582888 ONTARIO INC.          | 2.10           |
| 11) 5-061-50 | M. WHITE & O. LIMBURNER       | 0.90           |
| 12) 5-062    | 2355653 ONTARIO INC.          | 1.50           |
| 13) 5-062-50 | K. & C. SMITH                 | 0.60           |
| 14) 5-034-50 | VAN RAVENSWAAY WIN IN TRUST   | 22.10          |
| 15) 5-033    | C. & G. BOUGRAM               | 0.50           |
| 16) 5-032-10 | MINISTRY OF TRANSPORTATION    | 0.50           |
| 17) 5-034-04 | A. WILKIN & L. JACKSON        | 1.20           |
| 18) 5-058-01 | E. ROCHON & T. FARUZEL-RAYNER | 0.20           |
| 19) 5-057-30 | J. BOUGRAM                    | 0.80           |
| 20) 5-087-60 | MINISTRY OF TRANSPORTATION    | 6.30           |
| 21) 5-057-05 | E. & N. BEAUVAIS              | 1.03           |
| 22) 5-057-10 | G. & C. BURDEN                | 0.50           |
| 23) 5-056-30 | R. & L. TOWNSEND              | 0.60           |
| 24) 5-056-20 | R. & M. MUELLER               | 0.60           |
| 25) 5-055-10 | H. & M. KRONEMEYER            | 0.60           |
| 26) 5-055    | G. & C. HENSEN                | 3.80           |
| 27) 5-082-70 | B. & M. BEATRICE              | 5.58           |
| 28) 5-082-08 | MINISTRY OF TRANSPORTATION    | 2.81           |
| 29) 5-077-50 | L. PARTINGTON & A. MCKINNELL  | 0.74           |
| 30) 5-077    | M. GRANT-HENDERSON            | 0.11           |
| 31) 5-078    | K. CUTLER                     | 0.08           |
| 32) 5-079    | R. REECE                      | 0.21           |
| 33) 5-074    | A. RITINS & D. BRAVE          | 0.20           |


**PLAN LEGEND**

- LIMIT OF WATERSHED AREA
- PROPOSED DRAINAGE WORKS
- EXTERIOR OR INTERIOR WATERSHED
- - - TO BE INCLUDED FOR FUTURE MAINTENANCE
- EXIST. MUNICIPAL DRAIN
- PRIVATE TILE OR SURFACE WATER RUN
- EXIST. WATERCOURSE OR PRIVATE DITCH
- 10-000 AMBESSMENT ROLL NUMBER
- J. OWNERS NAME
- 40.5 HA. HECTARES OWNED

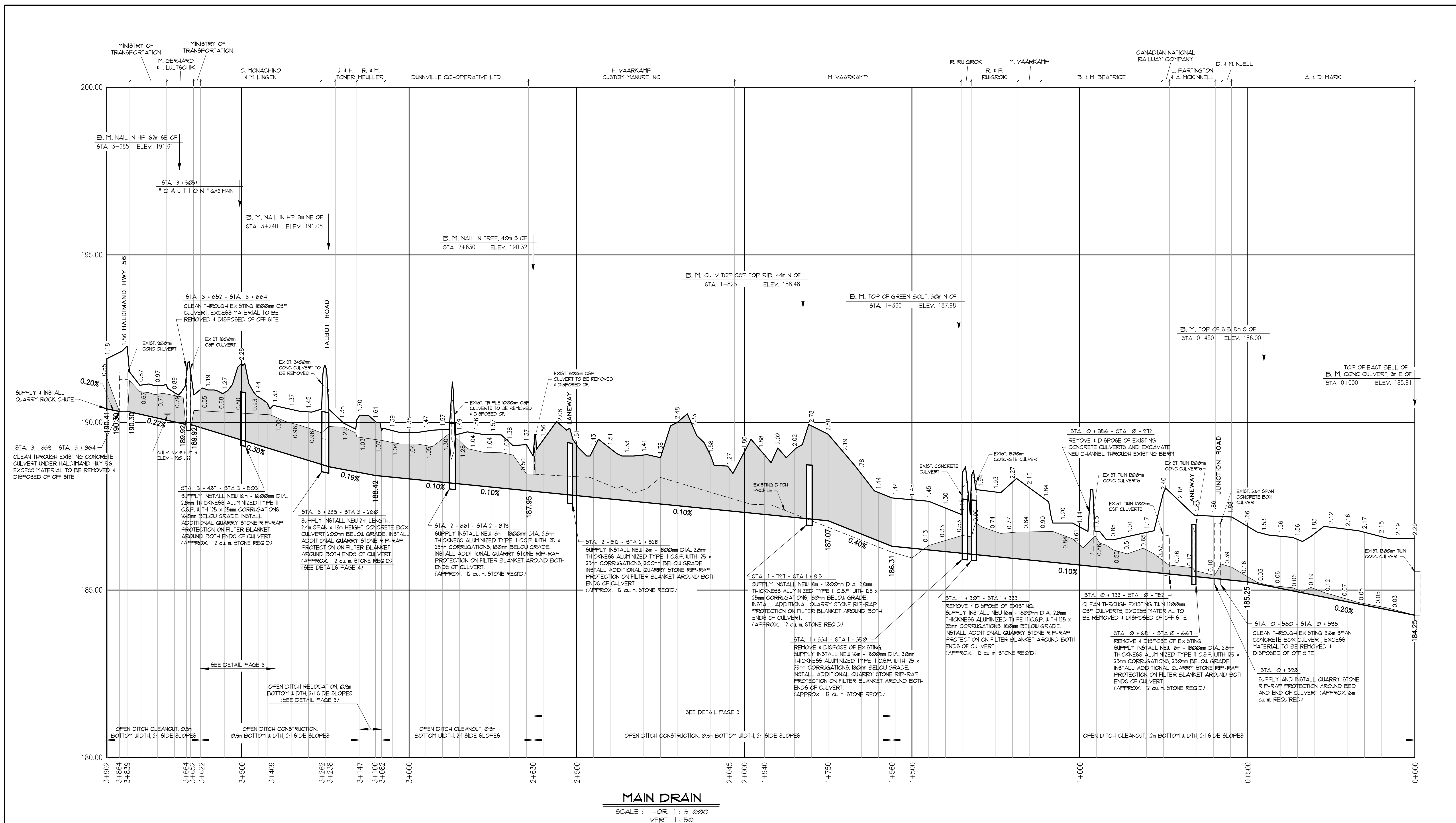


## CANFIELD DRAIN


### Haldimand County

|   |                                     |                                    |                     |
|---|-------------------------------------|------------------------------------|---------------------|
|    | Drawn By: AP<br>Date: JULY 31, 2024 | Field Book: GFS<br>JOB No.: 215086 | Drawing No.: 1 of 4 |
| <b>SPRIET ASSOCIATES LIMITED</b><br>LONDON CONSULTING ENGINEERS<br><small>155 YORK STREET - LONDON (519) 872-4100 - NGA 148</small> |                                     |                                    |                     |






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

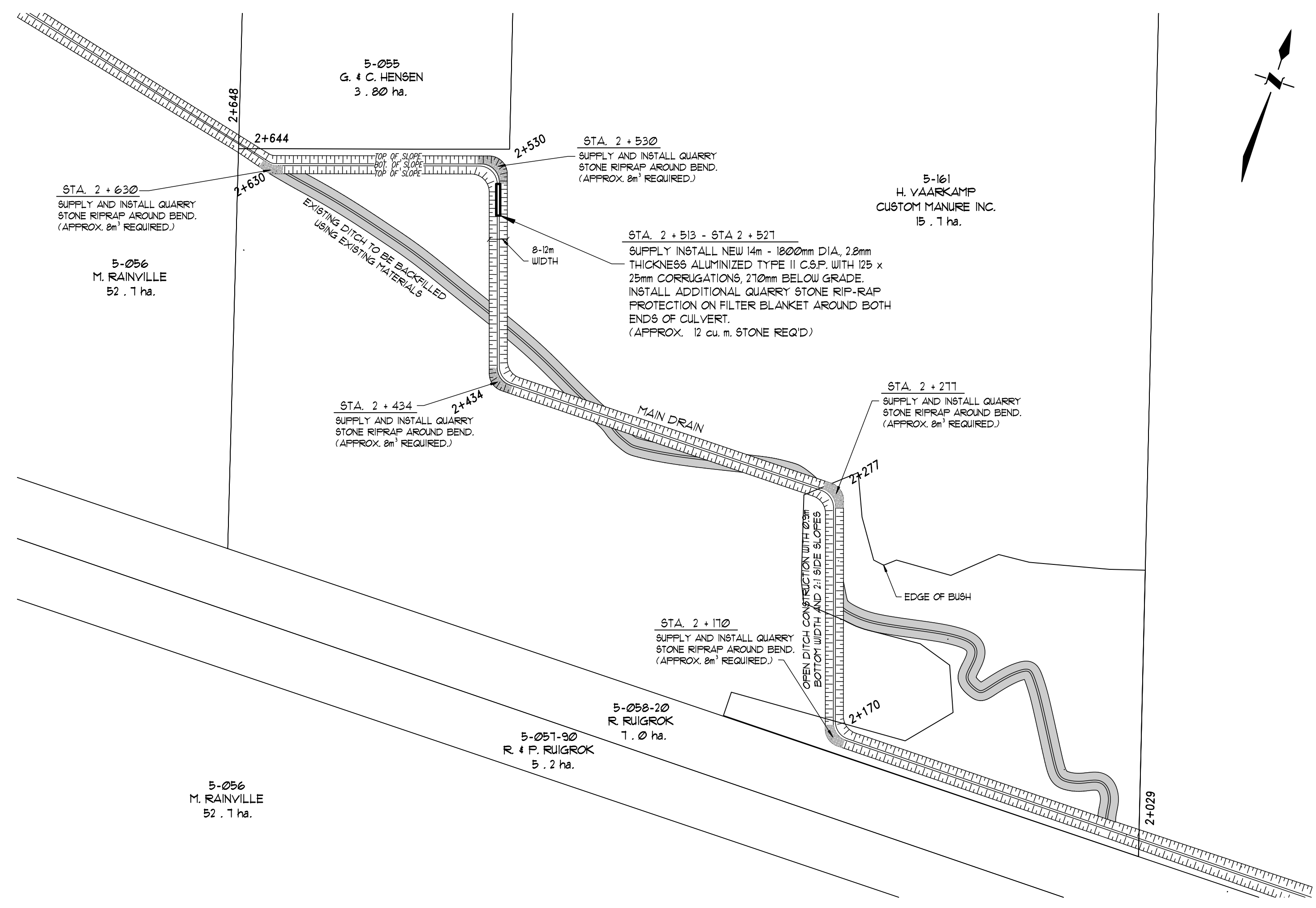


# CANFIELD DRAIN

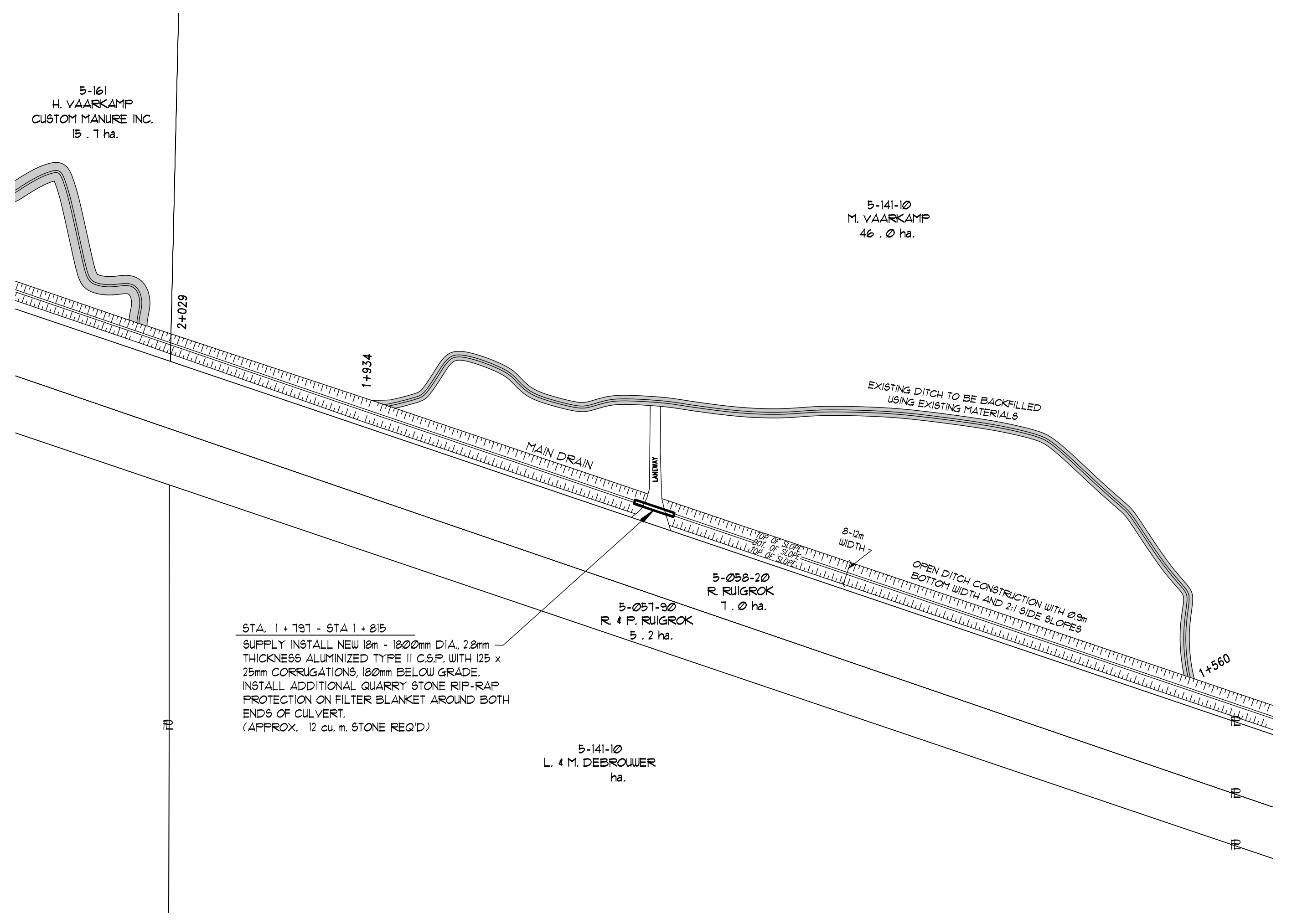
## Haldimand County

|   |                     |                 |                |                    |
|---|---------------------|-----------------|----------------|--------------------|
| <br>B. E. WIDNER<br>100213028<br>PROVINCE OF ONTARIO | Drawn By: AP        | Field Book: GFS | JOB No. 215086 | Drawing No. 2 of 4 |
|   | Date: JULY 31, 2024 | PROFILE         |                |                    |
| <b>SPRIET ASSOCIATES</b><br>LONDON CONSULTING ENGINEERS LIMITED<br><small>155 YORK STREET - LONDON (519) 872-4100 - NGA 148</small>       |                     |                 |                |                    |

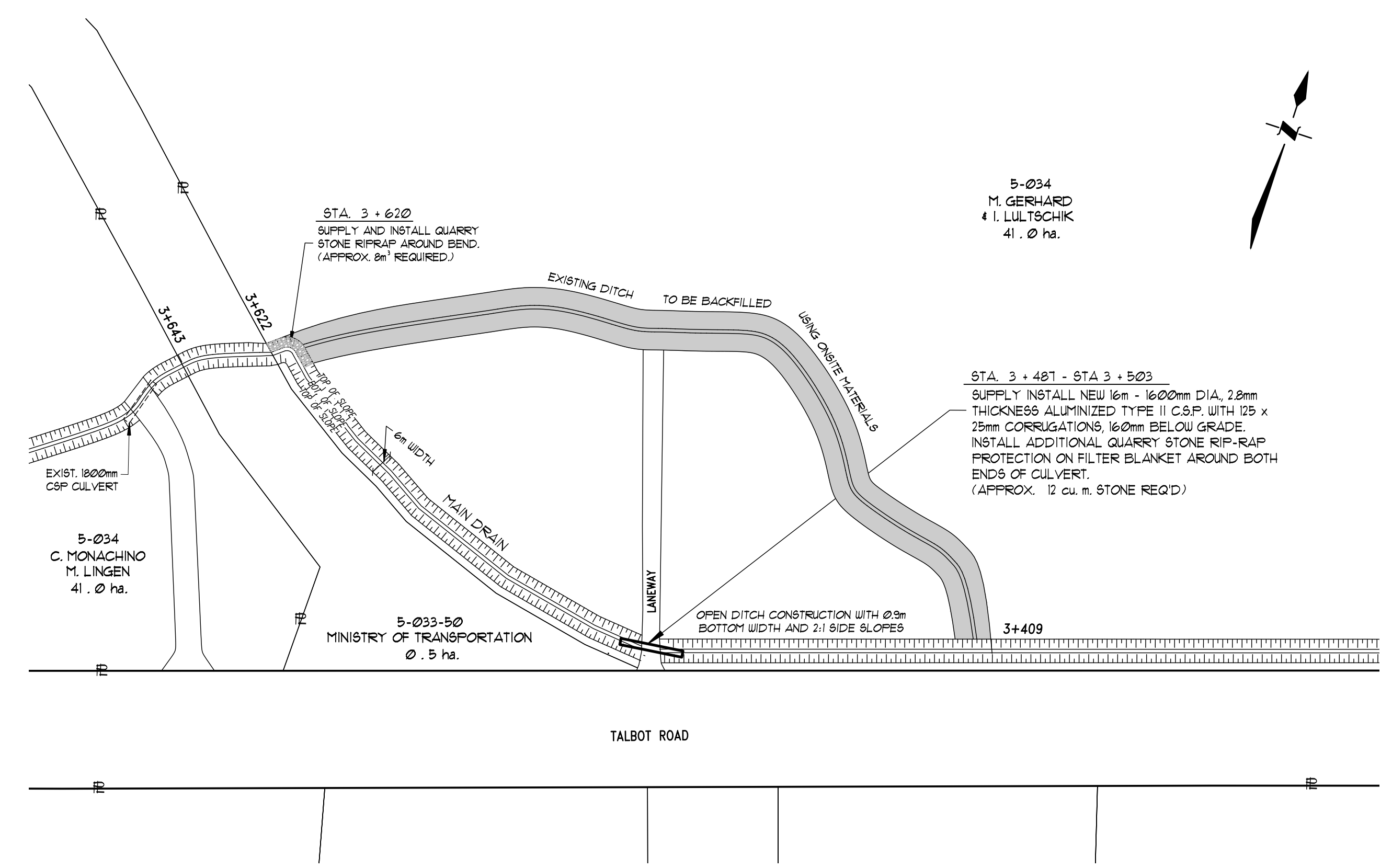




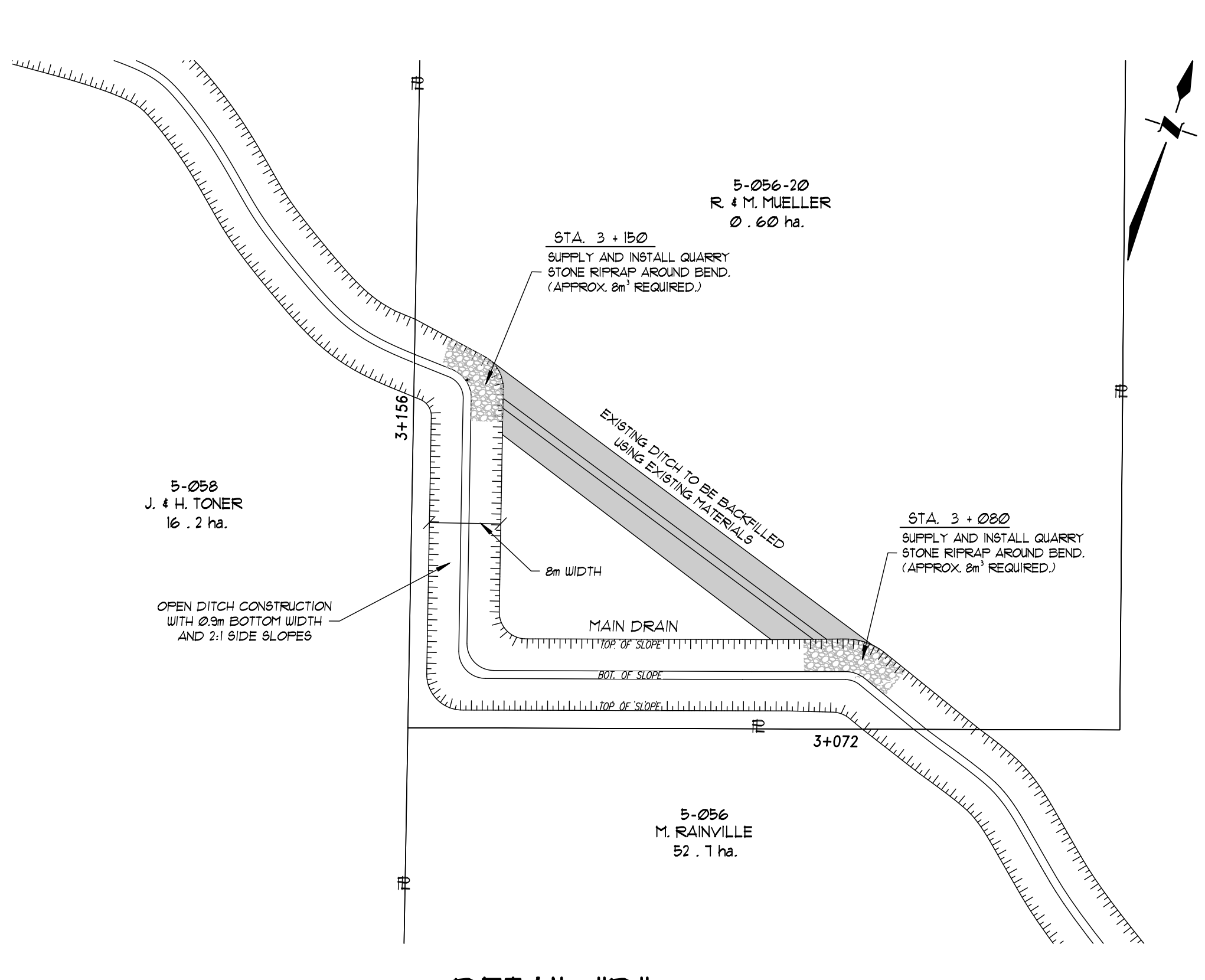
DETAIL "A" SCALE 1:1,500



DETAIL "B" SCALE 1:1,500



DETAIL "C" SCALE 1:1,000



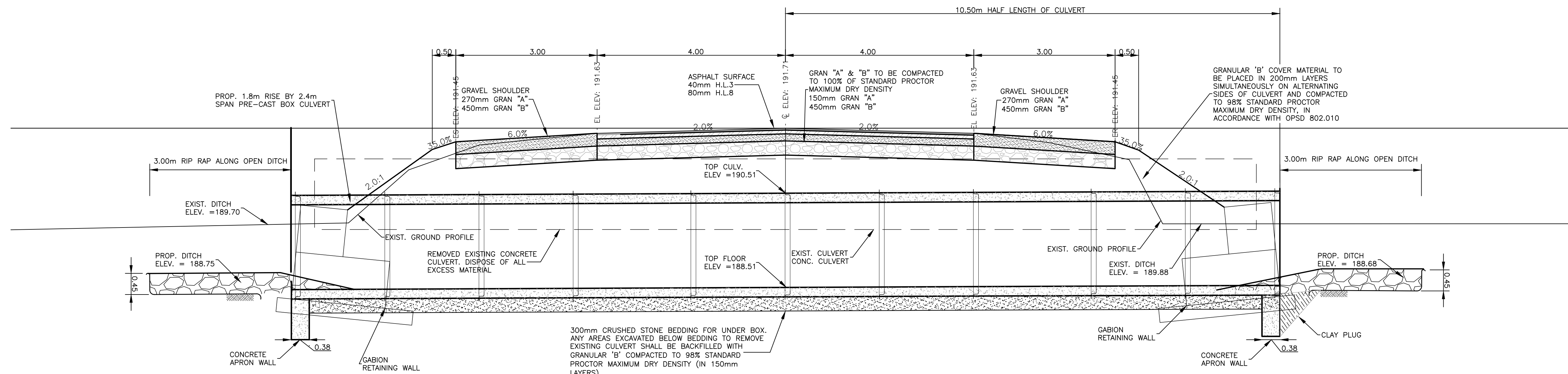
DETAIL "D" SCALE 1:500

# CANFIELD DRAIN

## Haldimand County

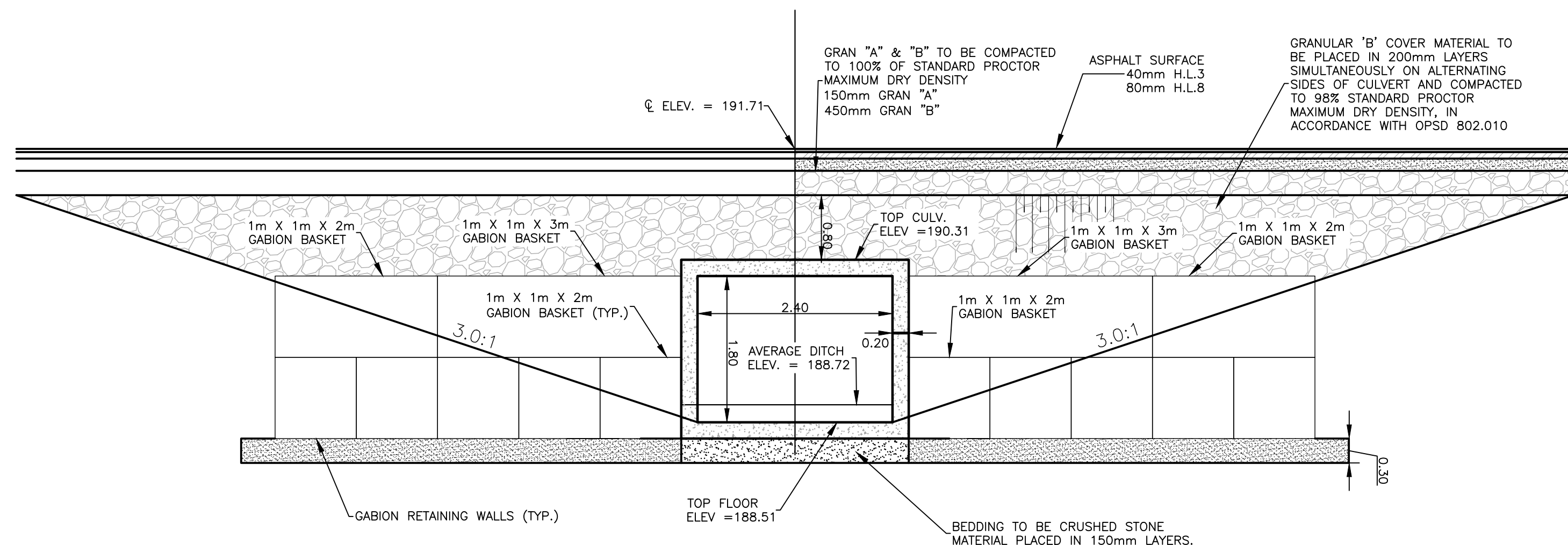
|  |   |                 |                |                    |
|--|---|-----------------|----------------|--------------------|
|  | Drawn By: AP  | Field Book: GFS | JOB No. 215086 | Drawing No. 3 of 4 |
|  | Date: JULY 31, 2024   | DETAILS         |                |                    |
|  | <b>SPRIET ASSOCIATES LIMITED</b><br>LONDON CONSULTING ENGINEERS<br><small>155 YORK STREET - LONDON (519) 872-4100 - HRA 148</small> |                 |                |                    |



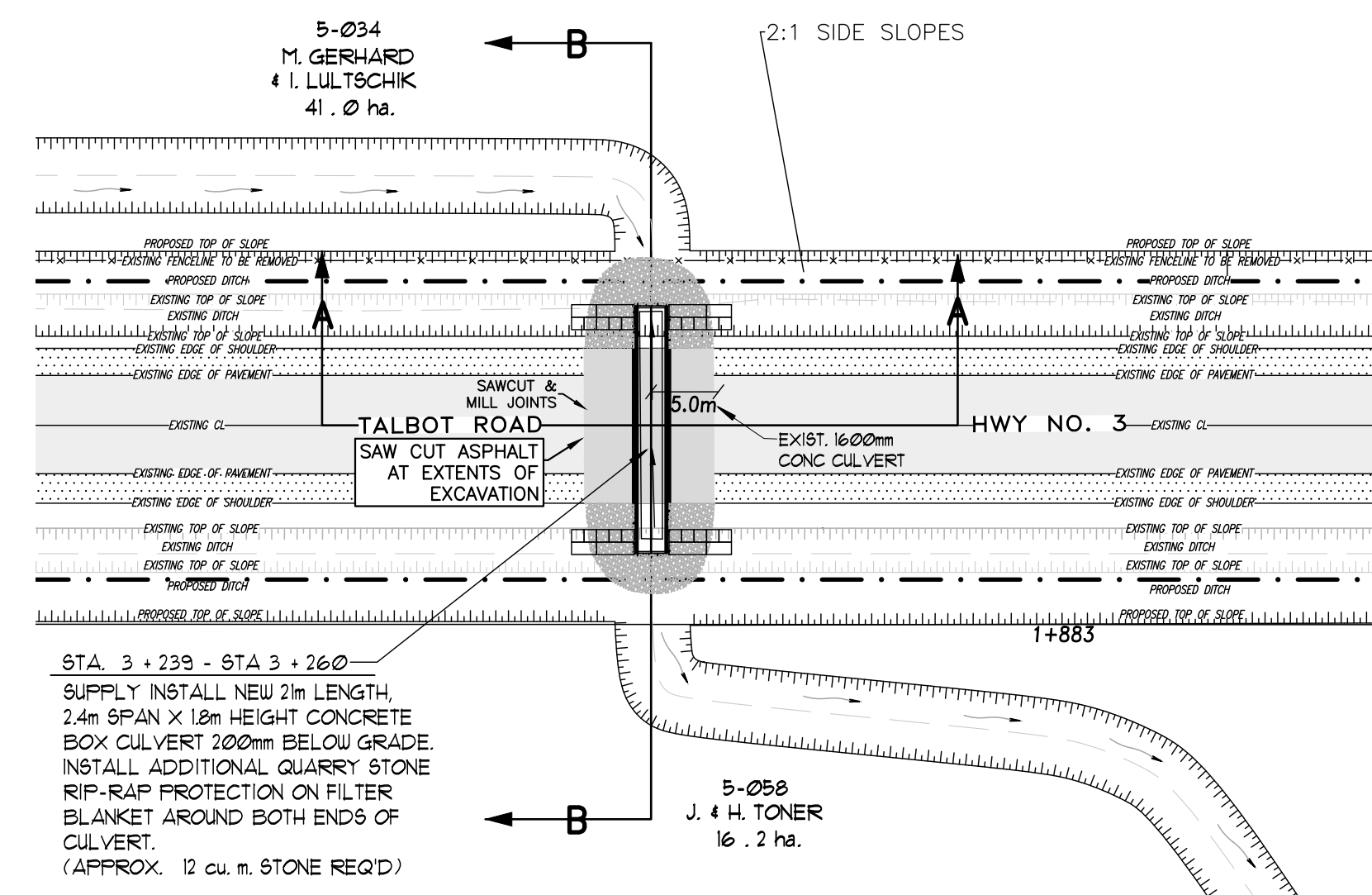


NORTH INVERT = 188.54  
SOUTH INVERT = 188.48

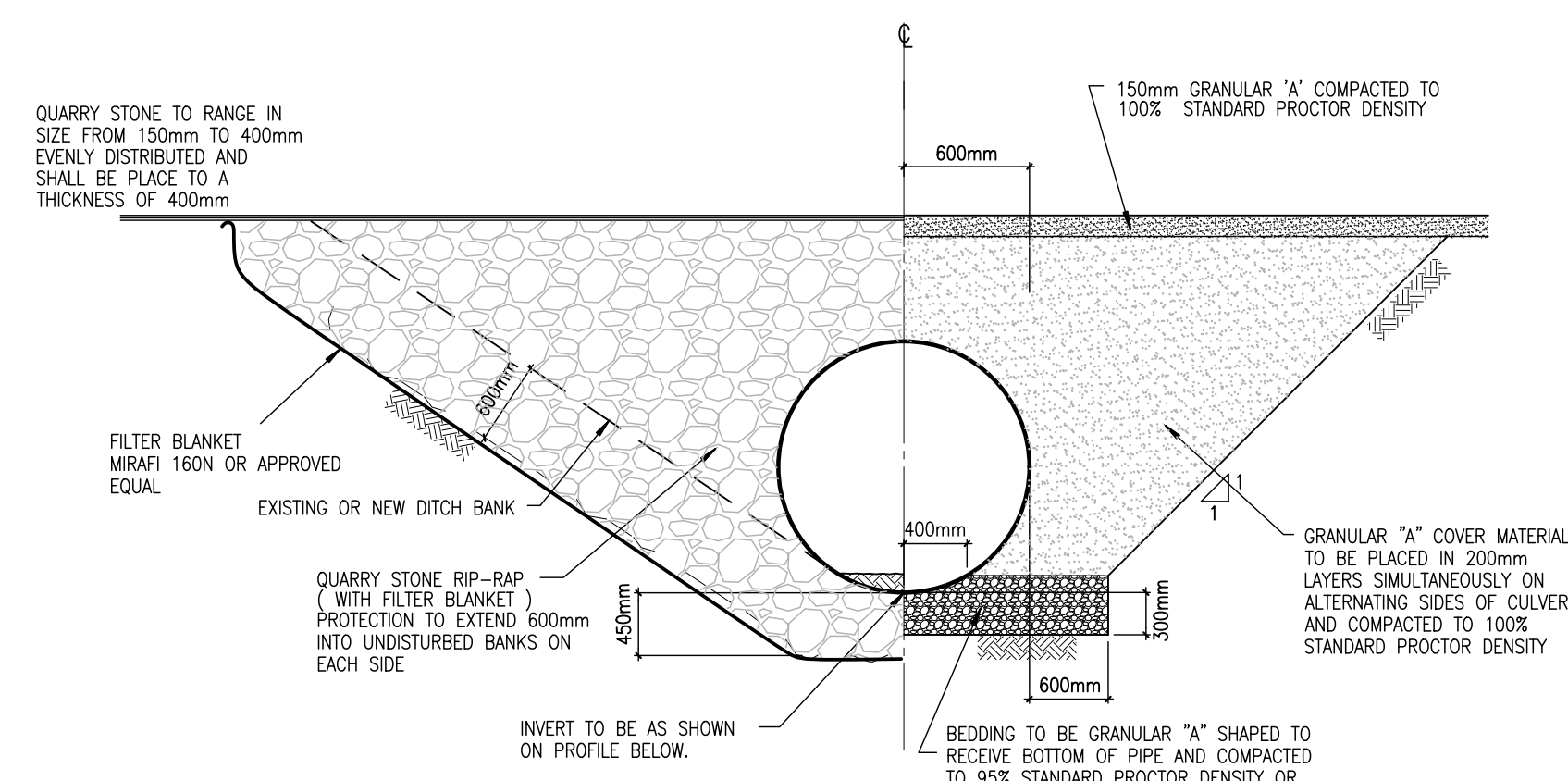
**HALF ELEVATION B-B**  
SCALE: 1:50



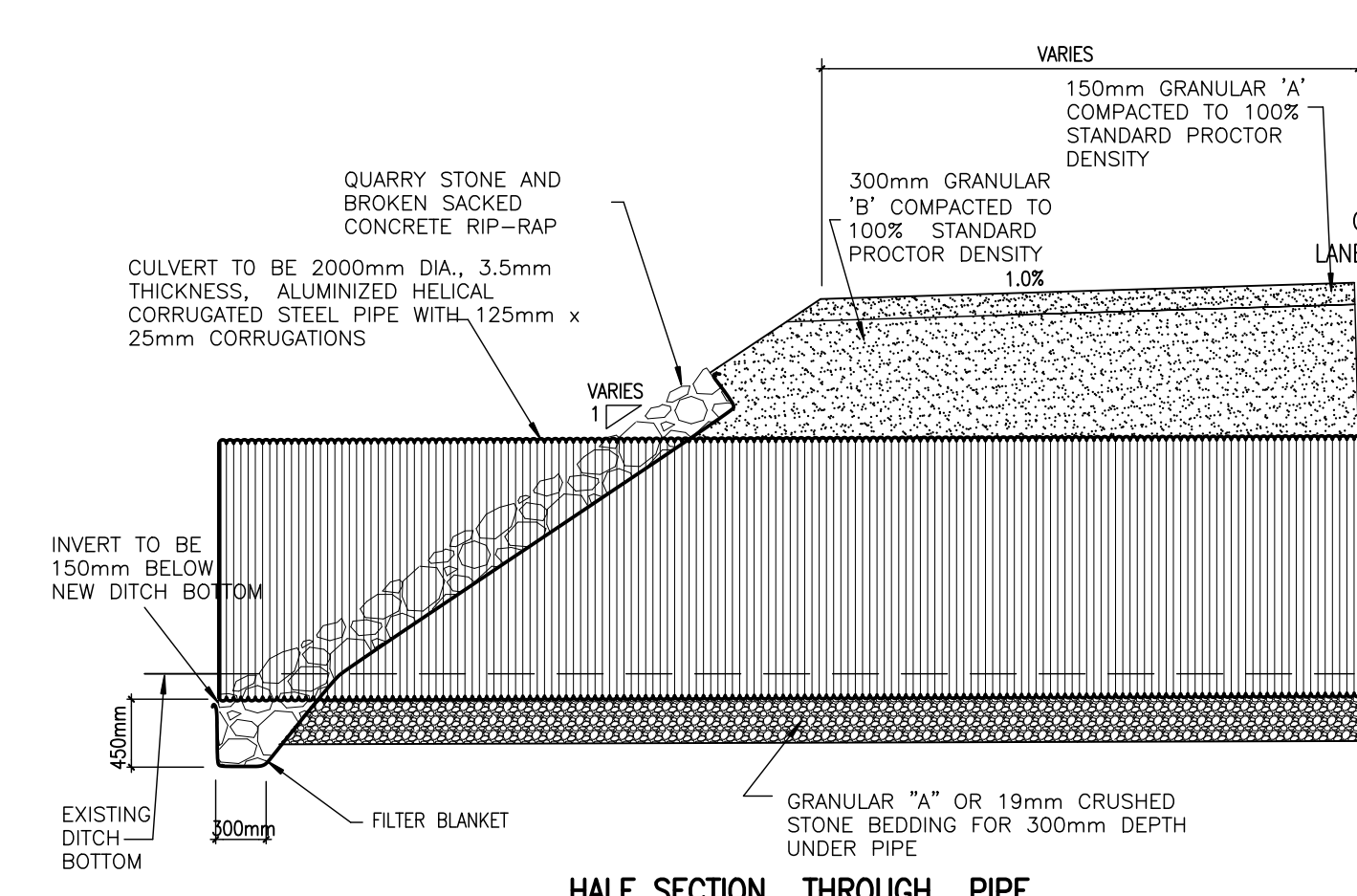
**HALF ELEVATION A-A**  
SCALE: 1:50



**TALBOT ROAD CROSSING DETAIL** SCALE 1:500



**HALF ELEVATION**  
N. T. S.



**HALF SECTION THROUGH PIPE**

**ENVIRONMENTAL NOTES**

- CONTRACTOR TO INSTALL SILT FENCE ACROSS DITCH BOTTOM DOWNSTREAM OF CONSTRUCTION SITE PRIOR TO ANY COMMENCEMENT OF WORK.
- SEDIMENT & EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO, AND MAINTAINED THROUGHOUT CONSTRUCTION, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER AND ARE TO BE LEFT IN PLACE UNTIL ALL DISTURBED AREAS HAVE STABILIZED. ACCUMULATED SEDIMENT IS TO BE REMOVED FROM THE SILT FENCE PRIOR TO ITS REMOVAL.
- WORK TO BE DONE IN THE DRY. IF ANY WATER FLOWS ARE ENCOUNTERED DURING CONSTRUCTION, WATER IS TO BE PUMPED AROUND SITE.
- AFTER CONSTRUCTION, ANY STREAM DISTURBED BY ITS REMOVAL TO BE RESTORED TO REPRESENT CONDITION OF STREAM BEFORE CONSTRUCTION.
- QUARRY STONE RIP-RAP ON BOTH END SIDE SLOPES OF CULVERT TO BE PLACED ON FILTER BLANKET TO PREVENT FILL FROM MIGRATING INTO STREAM.
- WATER FROM DE-WATERING PROCESS TO BE DIRECTED AWAY FROM STREAM AND MANAGED WITH FILTER BAGS, SETTLING PONDS, CHECK DAMS, ETC. TO PREVENT SILT FROM ENTERING STREAM.
- NO REFUELLING OF VEHICLES, EQUIPMENT, PUMPS ETC. ARE TO PLACE WITHIN 30m OF WATERCOURSE.
- INSTALL SILT FENCE ALONG ANY SPOIL PILES AND STRAW BALES FOR ROADWAY DITCH RUNOFF INCLUDING DIRECTING DITCHES AWAY FROM CONSTRUCTION.
- ALL DISTURBED AREAS NOT COVERED BY RIP-RAP TO BE SEEDED WITH AN APPROVED BANK STABILIZATION SEED MIXTURE BY CONTRACTOR.
- THE EXISTING CONCRETE STRUCTURE TO BE REMOVED INCLUDING FOOTINGS AND BE DISPOSED OF OFF-SITE. ANY EXCESS EXCAVATED MATERIAL TO BE REMOVED AND DISPOSED OF OFF-SITE.
- CONTRACTOR TO BE GIVEN COPIES OF THE CONSERVATION AUTHORITY'S PERMIT AS SOON AS IT IS RECEIVED. A COPY OF THESE PERMITS MUST REMAIN ON SITE AT ALL TIMES AND THE CONDITIONS ADHERED TO.

# CANFIELD DRAIN

## Haldimand County

|   |                                     |                                    |                     |
|---|-------------------------------------|------------------------------------|---------------------|
| <br>B. E. WIDNER<br>100218028<br>PROVINCE OF ONTARIO  | Drawn By: AP<br>Date: JULY 31, 2024 | Field Book: GFS<br>JOB No.: 215086 | Drawing No.: 4 of 4 |
| <b>NOTES &amp; DETAIL</b>   |                                     |                                    |                     |
| <b>SPRIET ASSOCIATES LIMITED</b><br>LONDON CONSULTING ENGINEERS<br><small>155 YORK STREET - LONDON (519) 872-4100 - NGA 148</small> |                                     |                                    |                     |