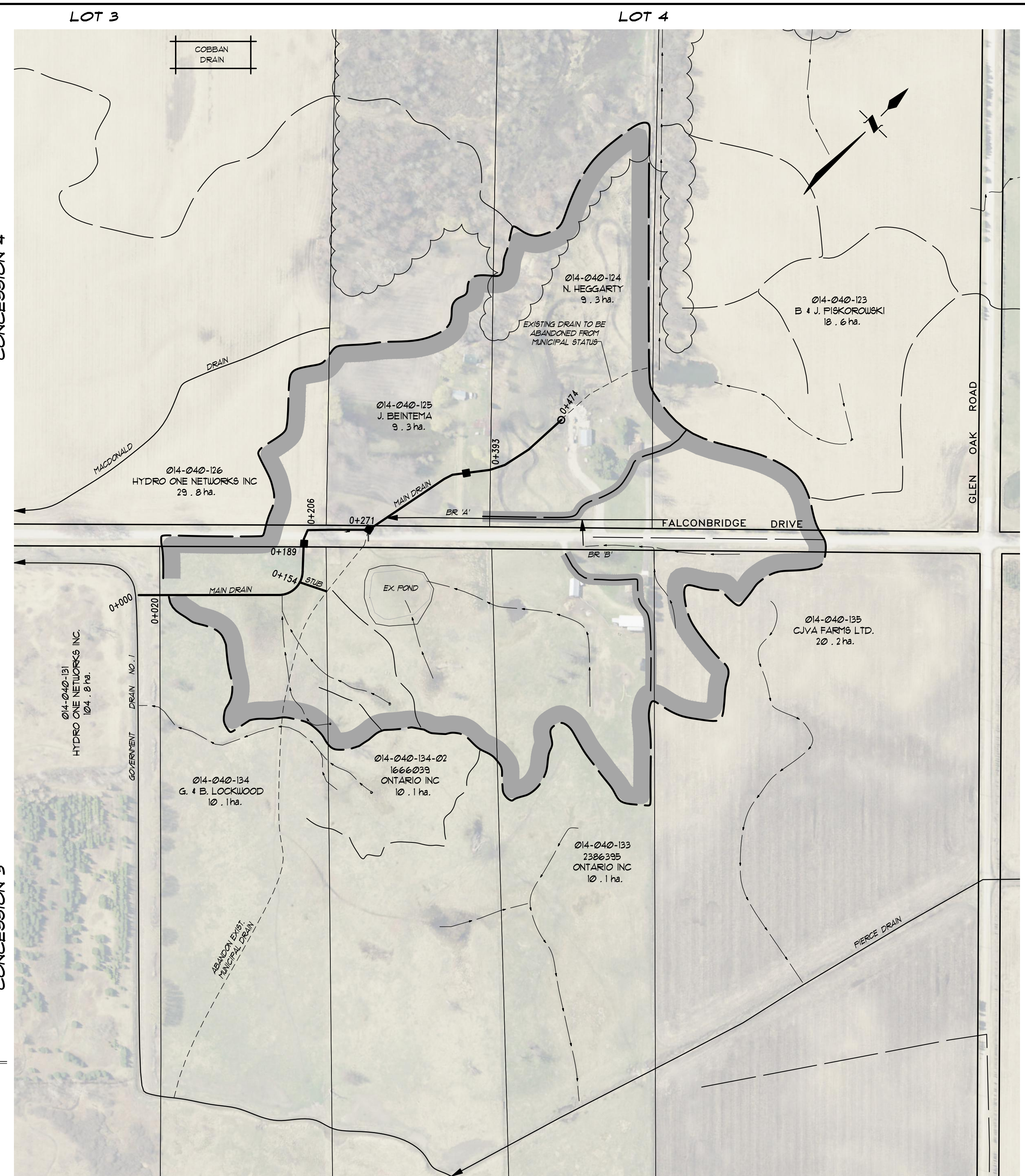
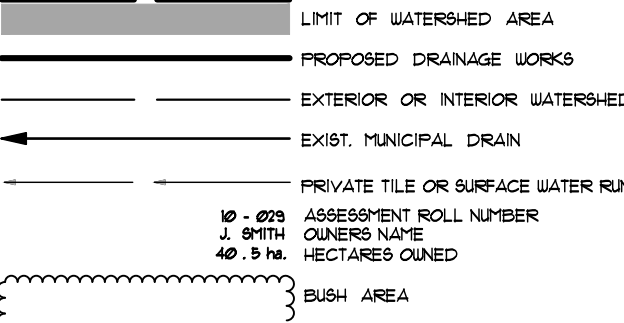


MAIN DRAIN PROFILE
SCALE: HOR. 1:2,500
VERT. 1:50

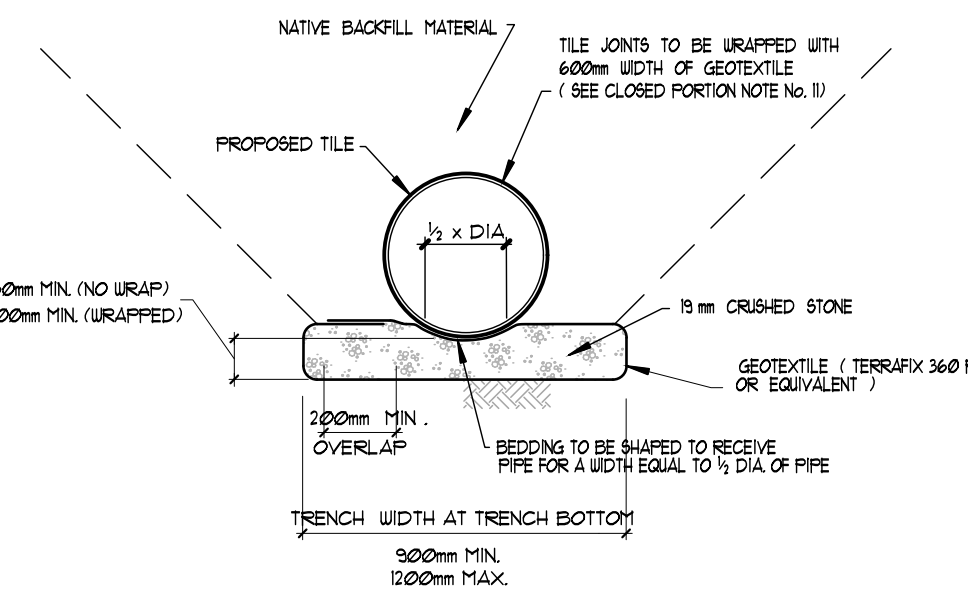
GENERAL NOTES

- 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:
CLOSED PORTIONS - 2.0 meters
THE WORKING WIDTH FOR PURPOSES OF FUTURE MAINTENANCE SHALL BE THE SAME AS ABOVE EXCEPT FOR CLOSED PORTIONS SHALL BE 10m.
- 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 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.
- 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.
- ALL CONCRETE AND PLASTIC TILE AND PIPE TO CONFORM TO 'SECTION C.1' IN THE SPECIFICATIONS.
a) SEWER PIPE TO BE CONCRETE, H. D. P. E. PLASTIC 320 KPA (BELL & SPIGOT WITH RUBBER GASKETS, CONFORMING TO C.S.A. 1026-02), PVC ULTRA RIB OR PVC SDR 35
b) CONCRETE TILE SHALL BE HEAVY DUTY UNLESS SPECIFIED 2000 D OR 2400 D ON PROFILE.
c) PERFORATED COILABLE DOUBLE WALL PIPE SHALL BE H. D. P. E. SMOOTH WALL FLEXIBLE (COILABLE) 28KPA OR STRONGER PIPE SUCH AS 'IDEAL', 'ADS' OR APPROVED EQUAL AND INSTALLED WITH APPROVED DRAINAGE FLOW PIPE TO BE PERFORATED WHERE SPECIFIED. CONCRETE TILE MAY BE SUBSTITUTED FOR COILABLE DOUBLE WALL 400mm DIA WOULD BE AN APPROVED EQUAL FOR 375mm DIA. IF CONCRETE TILE IS USED, A 6m 375mm HDPE OUTLET PIPE WILL BE REQUIRED FROM STA. 0+000 TO 0+006.
- ALL CATCHBASINS SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH 'SECTION C.16' IN THE SPECIFICATIONS.
- NEW TILE DRAINS TO BE LOCATED AS FOLLOWS:
a) STA. 0+000 TO STA. 0+271 - EXACT LOCATION TO BE DETERMINED AT TIME OF CONSTRUCTION
b) STA. 0+271 TO STA. 0+448 - NEW TILE DRAIN TO BE PLACED IN SAME LOCATION AS EXISTING TILE DRAIN WHERE POSSIBLE. EXIST. TILE TO BE DESTROYED AND EXPOSED TILE SHALL BE DISPOSED OF OFF-SITE.
- INSTALLATION OF TILE AND TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH 'SECTION C - TILE DRAIN' IN THE SPECIFICATIONS.
a) SEWER PIPE UNDER TRAVEL PORTION OF ROADS TO BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILED DRAWING NO. 02 IN THE SPECIFICATIONS.
c) ALL OTHER SEWER PIPE TO BE INSTALLED IN ACCORDANCE WITH DETAIL "A"
d) ALL CONCRETE TILE AND TILE-PIPE JOINTS TO BE WRAPPED WITH GEOTEXTILE IN ACCORDANCE WITH 'SECTION C.8' IN THE SPECIFICATIONS. ALL CONCRETE TILE TO BE INSTALLED IN ACCORDANCE WITH DETAIL "B"
e) NO CONSTRUCTION EQUIPMENT OR FARM MACHINERY SHALL CROSS OVER THE MOUND BACKFILLED TILE TRENCHES UNTIL SUFFICIENT SETTLEMENT HAS OCCURRED.
- a) IT SHALL BE NOTED THAT AREAS OF POOR SOIL CONDITION WILL BE ENCOUNTERED ALONG THE COURSE OF THE DRAIN. ACCORDINGLY, ALL PIPE WILL BE INSTALLED WITH AN APPROVED DRAINAGE FLOW OR WITH CRUSHED STONE BEDDING IN ACCORDANCE WITH DETAIL "A" AND "B".
b) NO ADDITIONAL PAYMENT FOR THIS WORK SHALL BE PROVIDED AND THE COST OF CRUSHED STONE BEDDING SHALL BE INCLUDED IN THE TENDER PRICE.
- a) IF IT BECOMES IMPRACTICAL TO INSTALL THE NEW TILE IN THE EXISTING TILE LOCATION DUE TO EXISTING TILE ALIGNMENT AND/OR TOO MUCH WATER FLOWING THROUGH THE TILE, THEN THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND/OR THE DRAINAGE SUPERINTENDENT.
b) IF SO ORDERED BY THE ENGINEER AND/OR DRAINAGE SUPERINTENDENT THEN THE CONTRACTOR SHALL INSTALL THE NEW TILE IMMEDIATELY ADJACENT TO THE EXISTING TILE. AFTER CONSTRUCTION IS COMPLETED THE EXISTING TILE SHALL BE DESTROYED WITH A RUBBER TIRE BACKHOE. TILE CONNECTIONS INTO THE EXISTING TILE SHALL BE CONNECTED TO THE NEW TILE.
- 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 OF 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.
- 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.

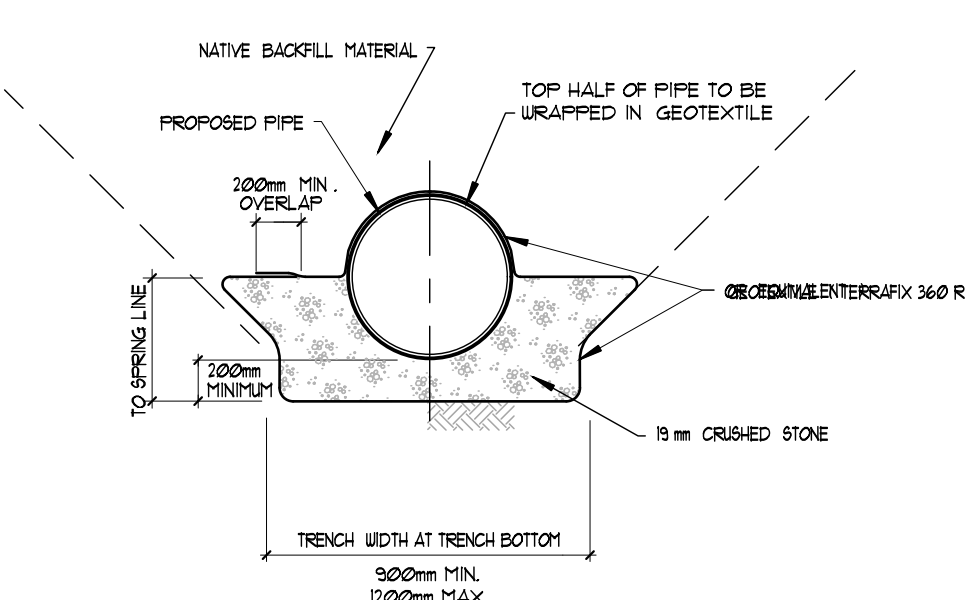
PLAN LEGEND



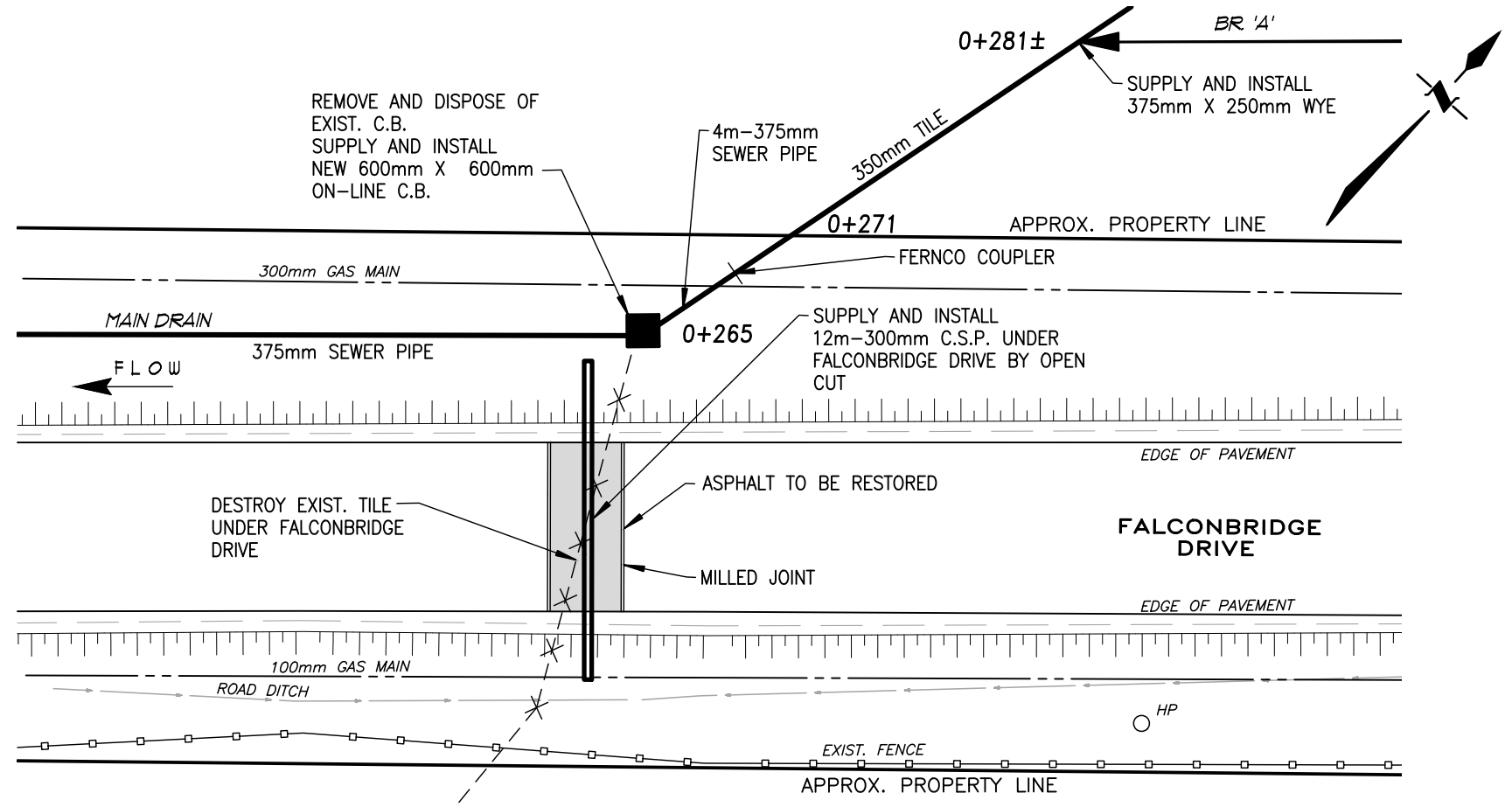
PLAN SCALE 1:2,500



**CRUSHED STONE BEDDING DETAIL
CONCRETE FIELD TILE
DETAIL "A"**
N. T. S.



**CRUSHED STONE BEDDING DETAIL
HDPE SEWER PIPE
DETAIL "B"**
N. T. S.



DETAIL PLAN SCALE 1:250

BARAN DRAIN 2023
Municipality of STRATHROY-CARADOQ
URBAN OPPORTUNITY - RURAL HOSPITALITY

Drainage Superintendent: STEVE MORRIS 519-245-1105 EXT. 248	No.	REVISIONS	DATE
Drawn By: Rk	Field Book RTS/GFS	JOB No. 222064	Drawing No. 1 of 1
Date: OCT 6, 2023	PLAN, PROFILE, & DETAIL		

SPRIET ASSOCIATES
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CONSULTING ENGINEERS
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