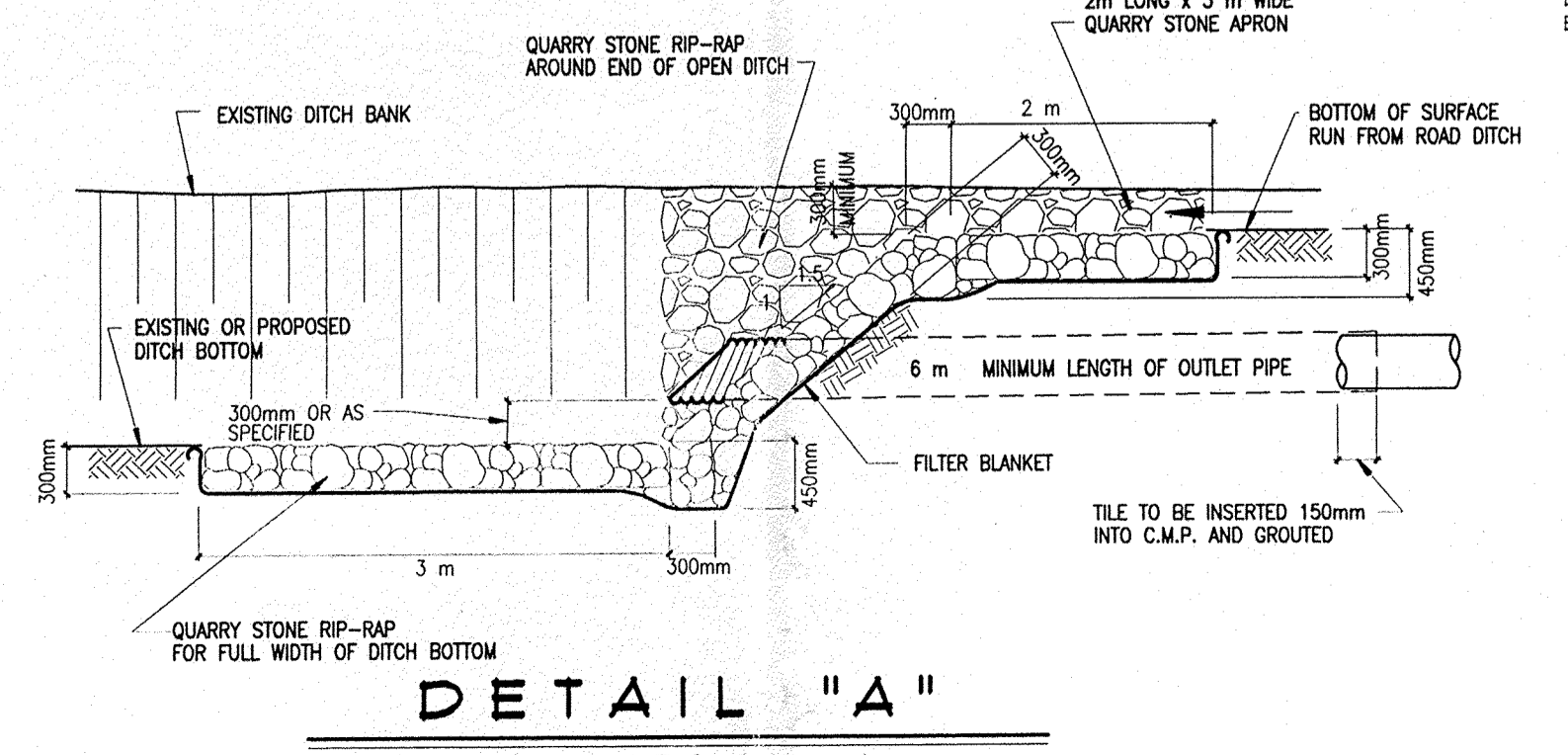


PLAN SCALE 1: 1,500

- PLAN LEGEND
- LIMIT OF WATERSHED AREA
 - PROPOSED DRAINAGE WORKS
 - EXTERIOR OR INTERIOR WATERSHED
 - EXIST. NATURAL WATER COURSE
 - EXIST. MUNICIPAL DRAIN

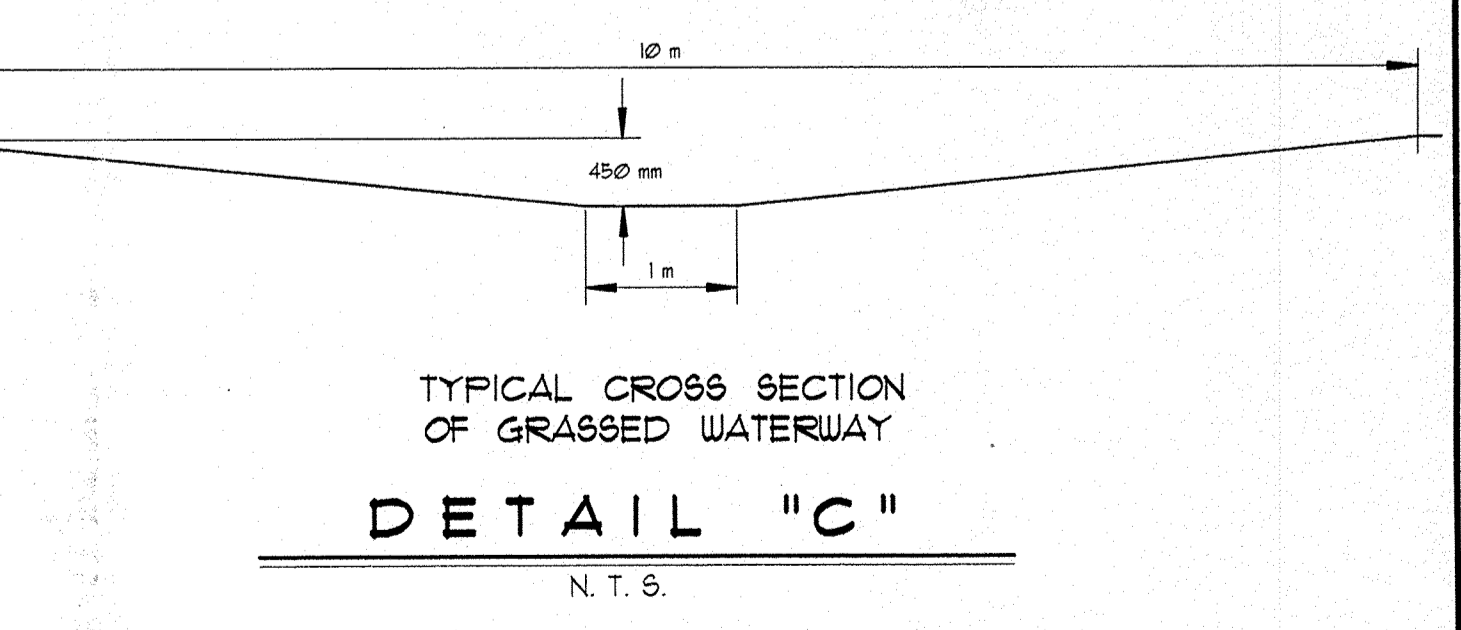
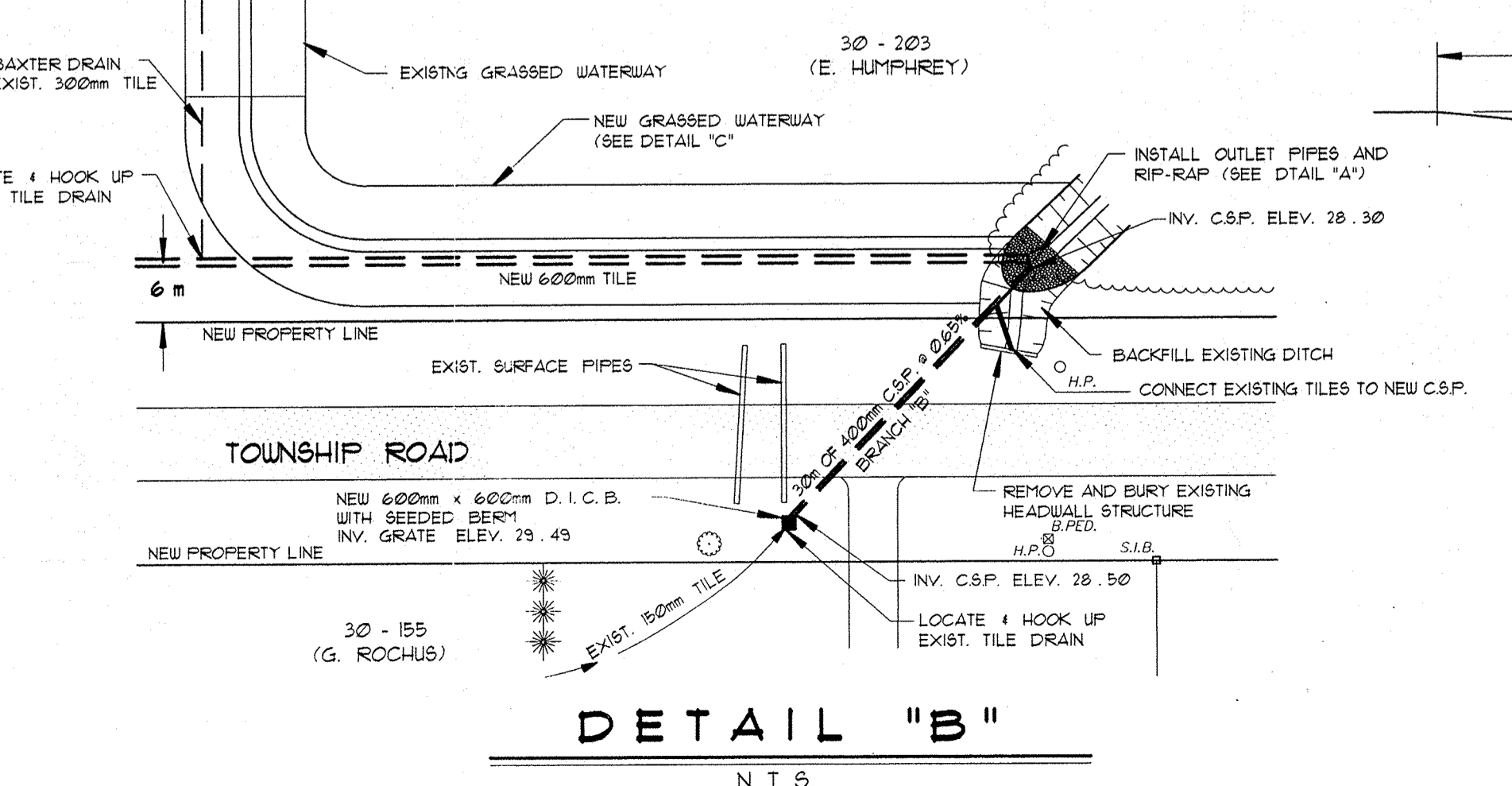
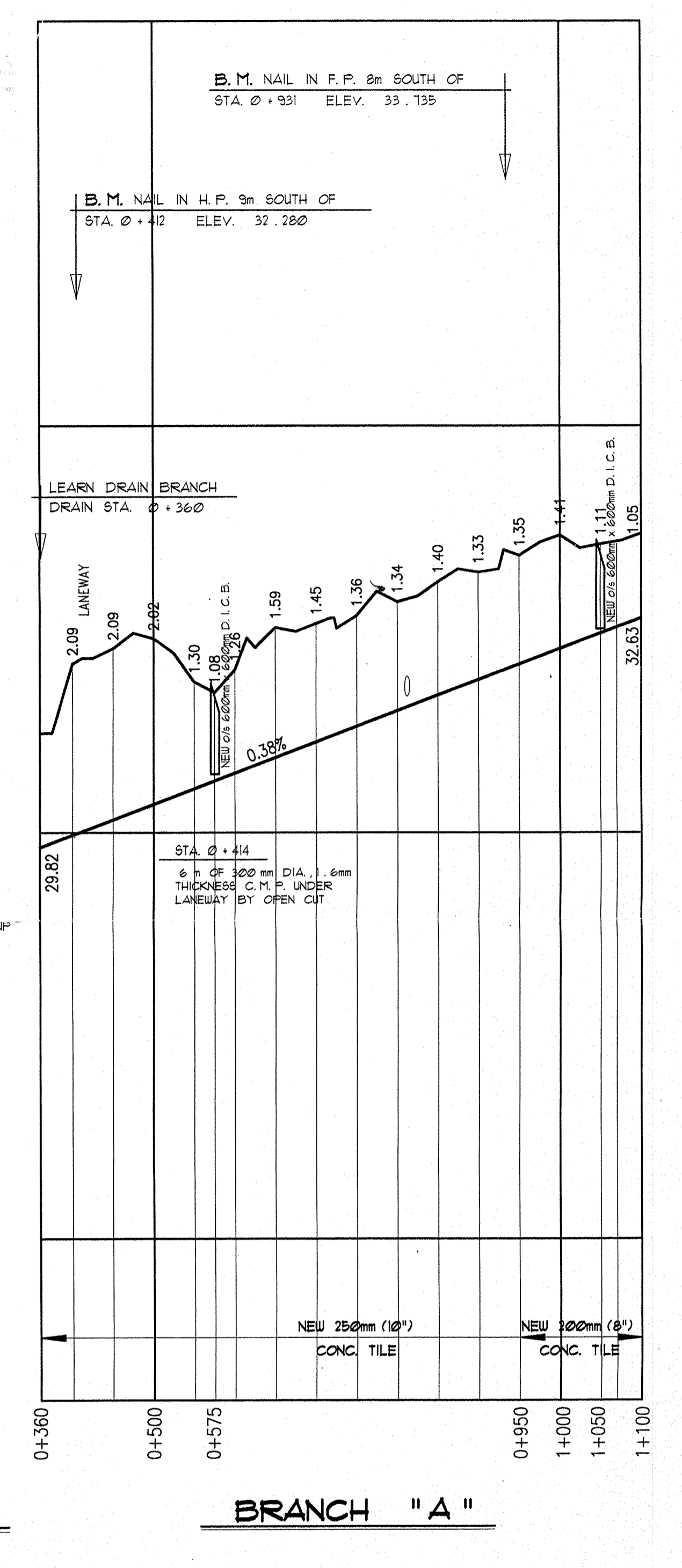
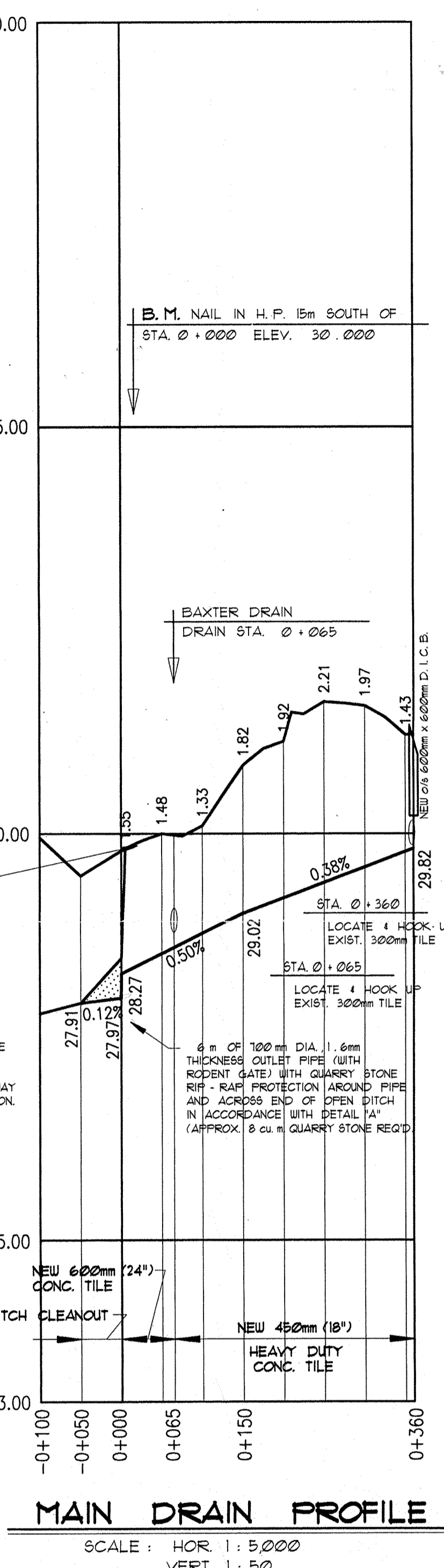


- GENERAL NOTES
- 1/ OUR SPECIFICATIONS DATED JANUARY 1983 APPLY TO THIS PROJECT.
 - 2/ THE WORKING WIDTH AVAILABLE TO THE CONTRACTOR TO CONSTRUCT THE DRAIN SHALL CONSIST OF THOSE LANDS IMMEDIATELY ADJACENT TO THE DRAIN AND CONNECTIONS AND SHALL NOT EXCEED AN AVERAGE WIDTH OF 15 METERS
 - 3/ ALL OWNERS 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.
 - 4/ CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 - 5/ ALL TREES, SCRUB, BRUSH, ETC. TO BE CLEARED AND GRUBBED IN ACCORDANCE WITH SPECIFICATIONS.
 - 6/ QUARRY STONE SHALL RANGE IN SIZE FROM 100mm TO 300mm EVENLY DISTRIBUTED AND SHALL BE PLACED TO A 300mm THICKNESS ON A SUITABLE FILTER BLANKET AT A 1.5 : 1 SLOPE UNLESS OTHERWISE NOTED.
 - 7/ a) EXACT LOCATION AND ELEVATIONS OF NEW CATCH BASINS TO BE CONFIRMED BY ENGINEER OR DRAINAGE SUPERINTENDENT.
b) CATCHBASINS TO HAVE "BIRD CAGE" TYPE GRATES.
c) CONSTRUCT COMPACTED & SEEDED CLAY BERMS BEHIND ALL DITCH INLET CATCHBASINS. BERMS TO BE KEYS 300mm INTO UNDISTURBED SOIL.
d) ROAD DITCHES TO BE GRADED TO NEW CATCHBASINS FOR 15m EACH WAY OF NEW CATCHBASINS.
 - 8/ EXACT LOCATION OF NEW TILE DRAINS TO BE CONFIRMED BY DRAINAGE SUPERINTENDENT OR ENGINEER PRIOR TO CONSTRUCTION.
 - 9/ EXISTING DITCH BOTTOM ONLY TO BE CLEANED OUT IN ACCORDANCE WITH THE SPECIFICATIONS.
 - 10/ CONTRACTOR TO CONTACT OWNERS PRIOR TO CONSTRUCTION TO DETERMINE ON WHICH SIDE OF THE DITCH THE EXCAVATED MATERIAL IS TO BE DEPOSITED AND LEVELLED.

STA. 0+000 TO 0+065

CONSTRUCT NEW GRASSED WATERWAY AS FOLLOWS:

- a) EXISTING EROSION TO BE BACKFILLED USING ON-SITE FILL MATERIAL. TOPSOIL TO BE STRIPPED FROM CONSTRUCTION AREA AND STOCKPILED PRIOR TO BACKFILLING DITCH AND CONSTRUCTION OF WATERWAY.
- b) WATERWAY TO BE LOCATED ON THE NORTH OR NEW TILE WATERWAY TO BE PARABOLIC IN SHAPE WITH A WIDTH OF 10.0 m AND AN AVERAGE FINISHED DEPTH OF 450mm. (SEE DETAIL "C")
- c) TOPSOIL TO BE RELEVELLED OVER THE WATERWAY AND OTHER AREAS DISTURBED BY CONSTRUCTION.
- d) WATERWAY TO BE PREPARED FOR SEEDING BY HARROWING AND THEN SEEDED WITH THE FOLLOWING GRASS SEED MIXTURE:
 - BIRDFOOT TREFOIL 8 kg / ha.
 - CREEPING RED FESCUE 6 kg / ha.
 - BROME GRASS 9 kg / ha.



REGISTERED PROFESSIONAL ENGINEER
J. R. SPRIET
PROVINCE OF ONTARIO

LEARN DRAIN
TOWNSHIP OF MALAHIDE

Scale: AS SHOWN	Field Book No. B-112	JOB NO. 93116	Drawn By: M.P.D.
Date: SEPT. 21, 1984			Revised:

PLAN & PROFILE

SPRIET ASSOCIATES CONSULTING ENGINEERS LONDON SUDBURY

Drawing Number 1 of 1