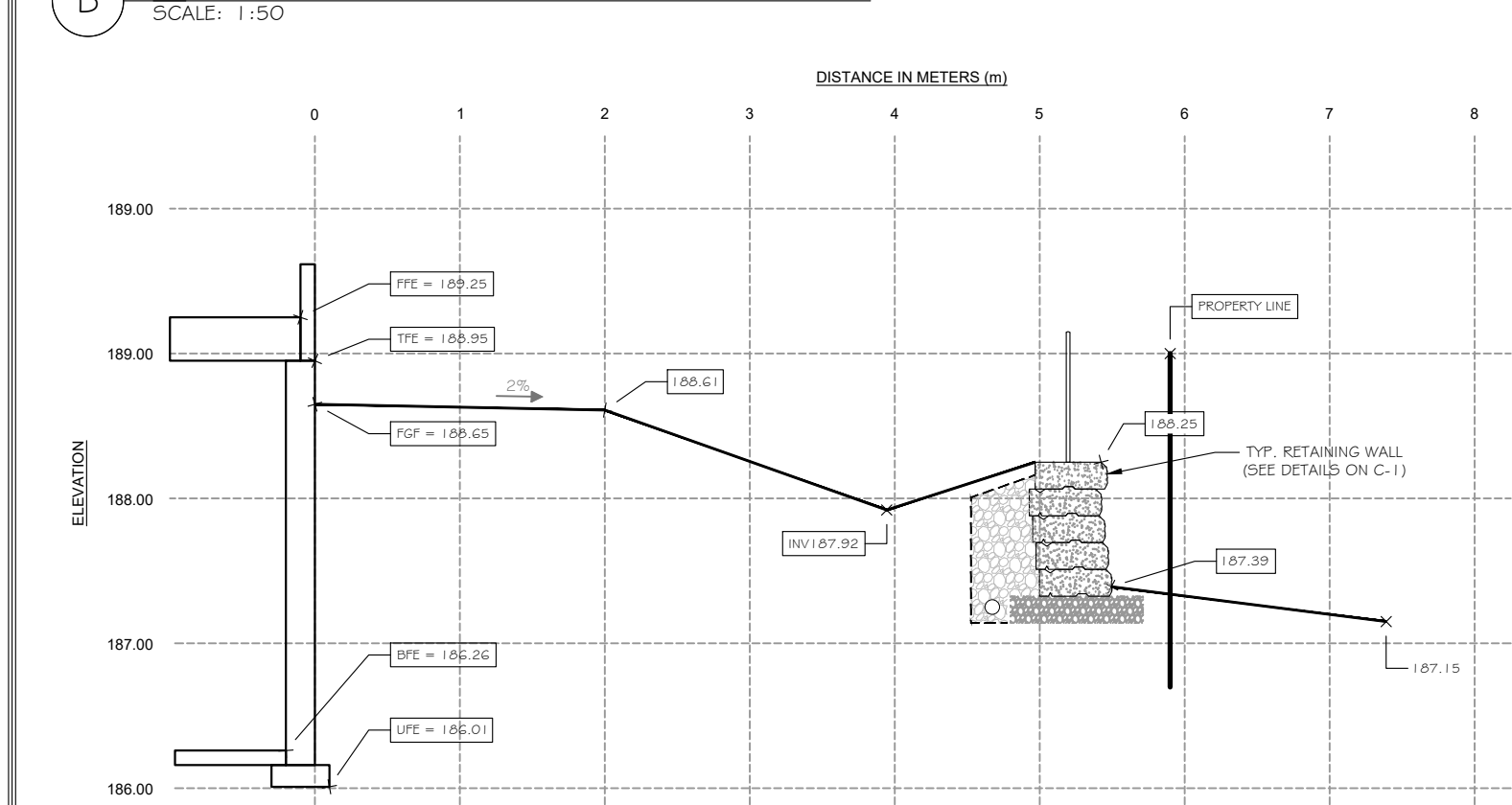
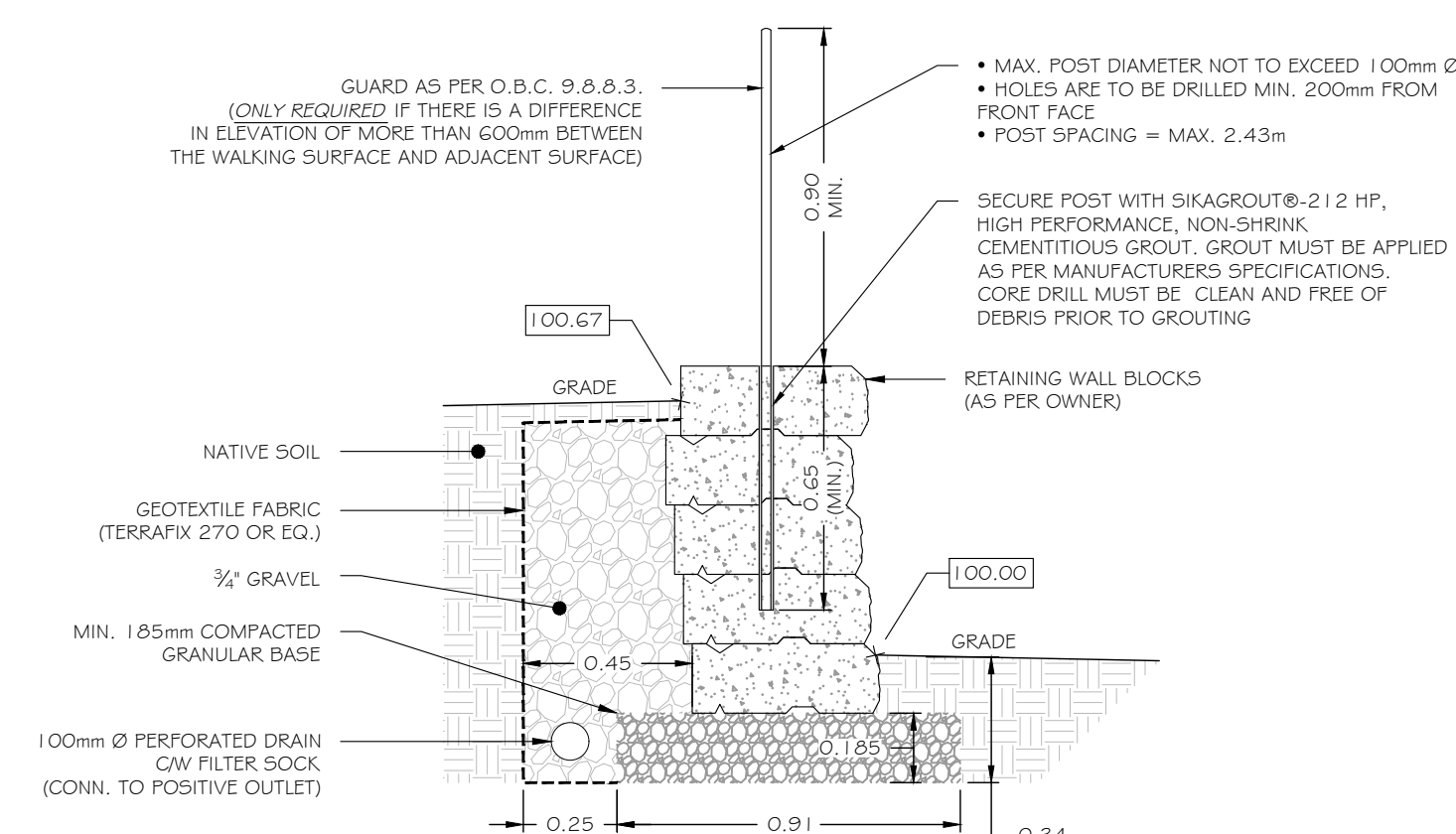


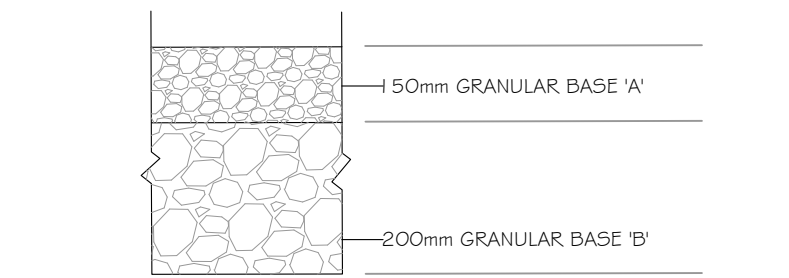
NORTH RETAINING WALL - DETAIL



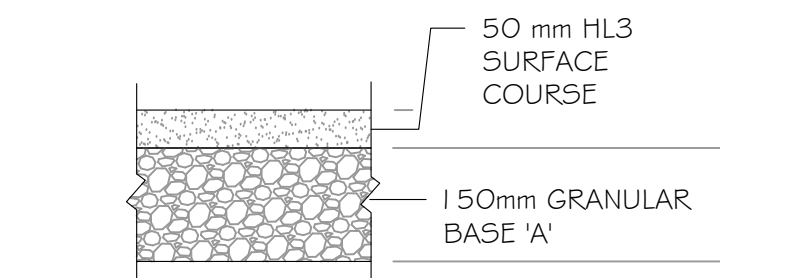
SOUTH RETAINING WALL - DETAIL



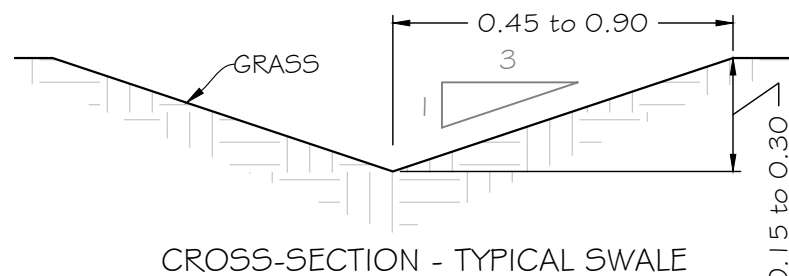
TYPICAL RETAINING WALL DETAIL



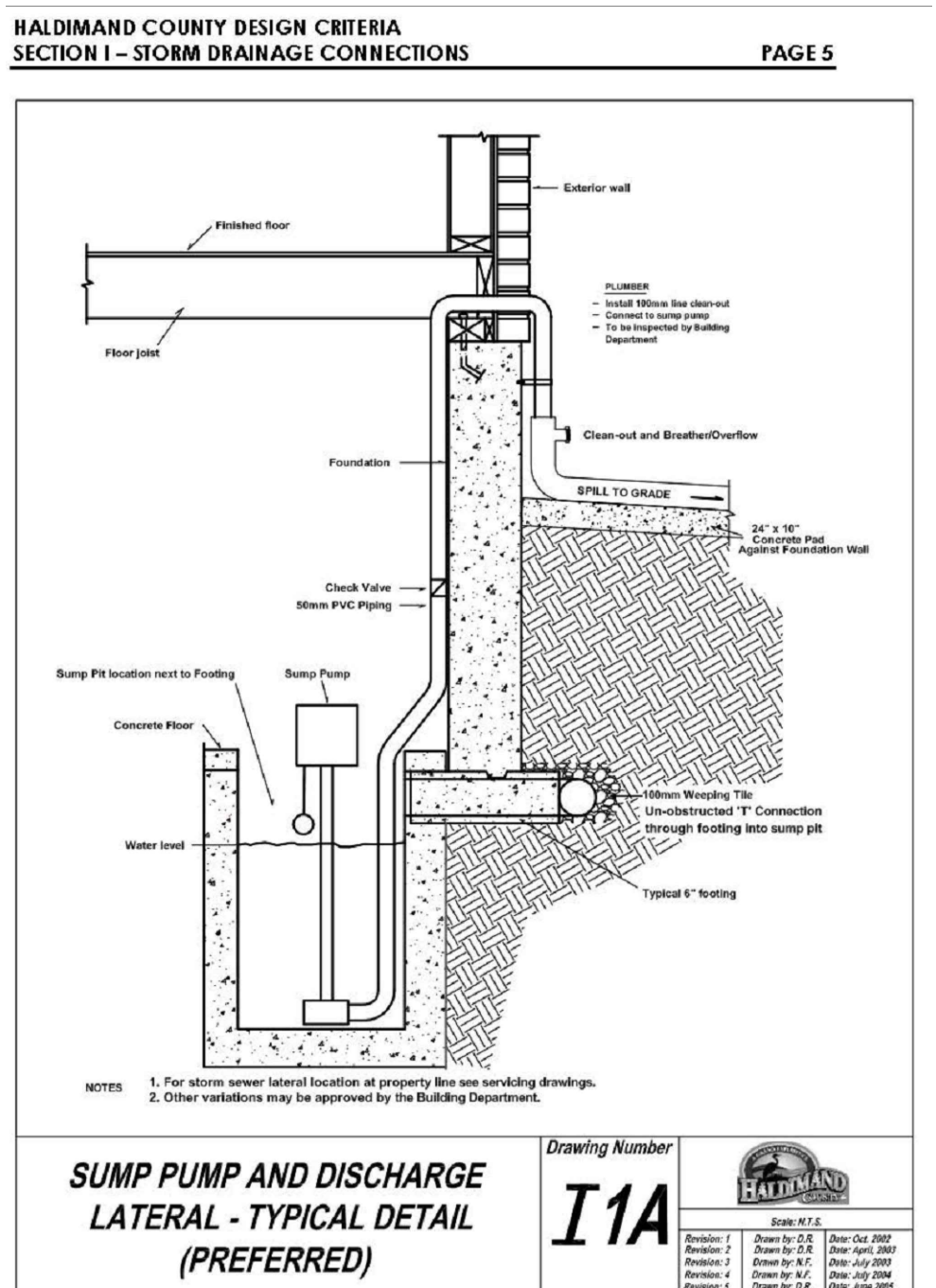
CROSS-SECTION - GRAVEL DRIVEWAY



CROSS-SECTION - DRIVEWAY APRON



CROSS-SECTION - TYPICAL SWALE



PROPOSED SITE & GRADING PLAN
PART OF LOT 19
CONC. 5 SOUTH OF DOVER ROAD
PIN 38128-0196 (LT)
IN THE GEOGRAPHIC TOWNSHIP OF DUNN
HALDIMAND COUNTY

METRIC NOTE
DISTANCES SHOWN ON THIS PLAN ARE IN METERS AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

BEARING NOTE
BEARINGS HEREON ARE GRID, UTM ZONE 17 (NAD 83-CRS) (EPOCH 1997.0) DERIVED FROM OBSERVED REFERENCE POINTS (ORP) USING THE CAN-NET VRS NETWORK AND ARE REFERRED TO THE CENTRAL MERIDIAN OF UTM ZONE 17 (81° WEST LONGITUDE)

ELEVATION NOTE
ELEVATIONS ARE GEODETIC, DERIVED BY GPS OBSERVATIONS, REFERRED TO GEODETIC SURVEY OF CANADA BENCHMARK 001 (1987.101) HAVING AN ELEVATION OF 179.70m (CGVD-1928 : 1978)

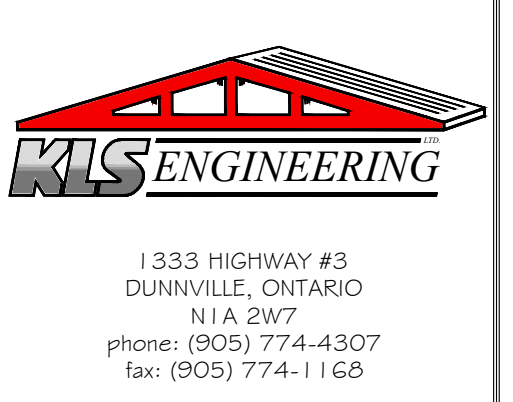
LOCATION : DUNNVILLE CONCRETE HIGHWAY BRIDGE OVER NORTH CHANNEL OF GRAND RIVER, 0.3 KM SOUTH OF POST OFFICE, TABLET IN EAST FACE OF CONCRETE CURB ON EAST SIDE OF BRIDGE, 90 CM FROM NORTH END, 15 CM BELOW TOP OF CURB, AT ROAD LEVEL

ALL FUTURE GRADE WORK ON SITE TO BE BASED ON SITE BENCHMARK. ANY ELEVATION DISCREPANCIES TO BE REPORTED TO RASCH & HYDE LTD.

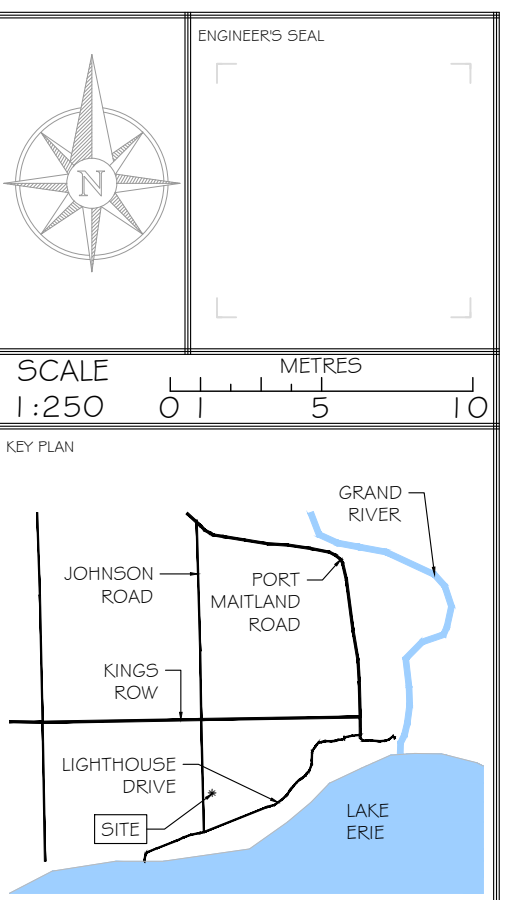
TEMPORARY BENCHMARK NOTE
SPIKE IN HYDRO POLE HAVING AN ELEVATION OF 183.80m (GEODETIC)

LEGEND	LEGEND
PROPOSED X ELEVATIONS 000.00	FINISHED FLOOR ELEVATION FFE
PROPOSED DRAINAGE PATTERN	TOP OF FOUNDATION ELEVATION TFE
TOP OF BANK	FINISHED GARAGE FLOOR ELEVATION FGF
TRAFFIC FLOW	BASEMENT FLOOR ELEVATION BFE
OVERHEAD UTILITY LINE	UNDERSIDE FOOTING ELEVATION UFE
UNDERGROUND HYDRO CABLE	RAIN WATER LEADER RWL
UNDERGROUND SANITARY PIPE	LIGHT STANDARD LS
UNDERGROUND NATURAL GAS PIPE	CATCHBASIN CB
UNDERGROUND STORM SEWER	MANHOLE MH
UNDERGROUND POTABLE WATER PIPE	HYDRO POLE HP
UNDERGROUND BELL SERVICE	FIRE HYDRANT
CONCRETE	GAS VALVE
GRAVEL	STANDARD IRON BAR SIB
ASPHALT	IRON BAR IB
LIGHT-DUTY ASPHALT	PROPERTY LINE
GRASS	BARRIER-FREE PARKING SPACE
	PERSONNEL DOOR
	OVERHEAD DOOR
	SILT FENCE
	FENCE, HEIGHT AND MATERIAL AS NOTED ON PLAN
	DITCH
	SWALE
	EXISTING ELEVATIONS 000.00

- GENERAL NOTES:
- DO NOT SCALE DRAWINGS.
 - ALL DIMENSIONS TO BE VERIFIED BY CONTRACTOR.
 - ANY ERRORS / OMISSIONS / CHANGES TO BE REPORTED TO THE ENGINEER PRIOR TO AND DURING CONSTRUCTION.
 - 2% SLOPE AWAY FROM DWELLING FOR MIN. 1.0m AS PER HCDC SEC. 12.0, PARAGRAPH 9
 - ROOF RAIN WATER LEADERS ARE TO DISCHARGE DIRECTLY TO THE GROUND ON SPLASH PADS UNLESS OTHERWISE NOTED. AS PER DETAIL 11A
 - A 1.0m STRIP SHALL BE LEFT UNDISTURBED ALONG THE BOUNDARIES ADJACENT ADJACENT PROPERTIES.
 - ALL WORK TO CONFORM TO O.B.C. 2012
 - BEFORE STARTING WORK THE CONTRACTOR SHALL DETERMINE THE POSITION OF THE POLE LINES, WATER MAINS AND OTHER OVERHEAD AND UNDERGROUND UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
 - ROAD/BLVD RESTORATION WHERE SERVICE TRENCHES MADE (SHOW IN RED) AS PER HCDC SEC. 6.10.04
 - CURB/GUTTER RESTORATION AS PER HCDC SEC. 65.00 (OPSD 600.020) OR MATCH EXISTING CURB PROFILE
 - ALL PROPERTY LINE SWALES & SWALES CROSSING PROPERTY LINES - MUTUAL DRAINAGE AGREEMENT TO BE ON TITLE (TYP.)
- DEVELOPER/CONTRACTOR NOTES:
- HEAVY-DUTY SILT FENCE BARRIER TO BE INSTALLED AS PER OPSD 21.9.130
 - SEE HCDC 16.01, WHEN EARTH CUTS & FILL IN EXCESS OF 0.5m ARE REQUIRED.
 - IF APPLICABLE: DEVELOPER/CONTRACTOR MUST OBTAIN "ENTRANCE PERMIT" BY COMPLETING "ENTRANCE APPLICATION" THROUGH HALDIMAND COUNTY ROADS OPERATIONS DIVISION (905-318-5932 x 8601)
 - IF APPLICABLE: DEVELOPER/CONTRACTOR MUST OBTAIN "WATER & SANITARY CONNECTION PERMITS" BY COMPLETING "APPLICATION FOR WATER, SANITARY AND/OR STORM SEWER CONNECTION PERMITS" FORM AT TIME OF APPLYING FOR BUILDING PERMIT
 - IF APPLICABLE: DEVELOPER/CONTRACTOR MUST OBTAIN "ROAD EXCAVATION PERMIT" THROUGH HALDIMAND COUNTY ROADS OPERATIONS DIVISION (905-318-5932 x 8601)



THE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ENGINEER TO BE USED ONLY FOR THE PROJECT FOR WHICH THEY WERE ISSUED.
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ROLL No.: 0210-030-016-80000
PLANNING APPLICATION: N/A

THIS DRAINAGE PLAN IS BASED ON SURVEY INFORMATION PROVIDED BY:
RASCH & HYDE LTD.
ONTARIO LAND SURVEYORS
P.O. BOX 6, 1333 HIGHWAY #3
EAST, UNIT B
DUNNVILLE, ON, N1A 2X1
TEL. (905) 774-7168
SURVEY No. 21-357

#	PURPOSE OF ISSUE	DATE OF ISSUE	BY
5	REVISED AS PER HC COMMENTS AUG 11/22	SEPT 1/22	MD
4	ISSUED FOR APPROVAL	MAY 13/22	MD
3	ISSUED FOR REVIEW	DEC 17/21	MD
2	ISSUED FOR REVIEW	DEC 8/21	MD
1	PURPOSE OF ISSUE		

ARJAN VOS
DRAINAGE PLAN
30 JOHNSON RD
DUNNVILLE, ON
N1A 2W6

DRAINAGE PLAN

FILE NO.
V50-21-450-2

DRAWN BY MIKE DWYER	DRAWING NUMBER C-1
START DATE DECEMBER 3, 2021	
SHEET 1 OF 1	