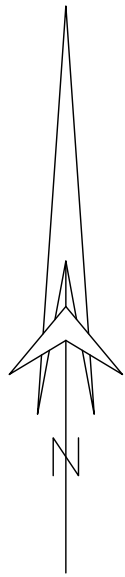


The diagram illustrates a cross-section of a swale. The top surface is a horizontal line labeled "MATCH EXISTING GROUND". Below this, a trapezoidal channel is shown. The top width of the channel is labeled "1 000 mm MIN". The bottom width is labeled "500 mm MAX". The depth of the channel is labeled "150 mm MIN". The side slopes are indicated by dashed lines with a horizontal run of "3" and a vertical rise of "1", labeled "1:3".

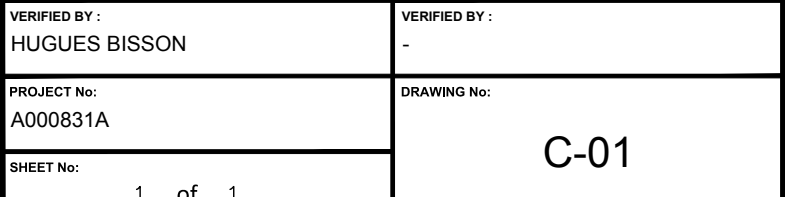
1. Minimum gradient of 1:50 on grassed swales
2. Shared drainage swales should generally allow for a 10% slope
3. Preferred maximum side slopes of 3:1 (H:V)
4. Minimum depth of 150 mm
5. Maximum depth of 500 mm
6. Minimum width of 1 000 mm
7. The position of the swale, including side slopes, must be at a minimum 500 mm inside of the lot line, unless it is a shared swale, wherein it must be located on the common lot line.

SWALE

01



THE CONTRACTOR WILL HAVE THE RESPONSIBILITY AND THE OBLIGATION TO VALIDATE, BY EXPLORATORY EXCAVATION, THE SIZE OF THE PUBLIC UTILITIES UNDERGROUND SERVICES AND TO WARN THE ENGINEER OF ANY CONFLICT WITH THE PROJECTED WORK.

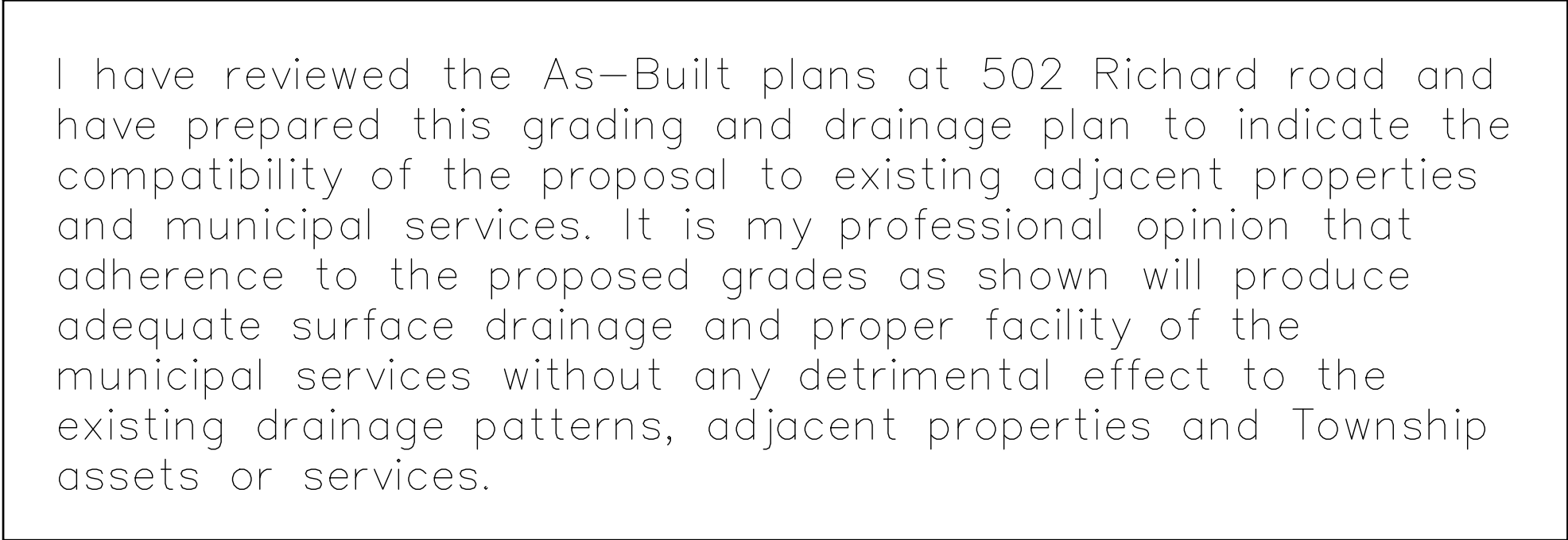


The diagram illustrates a cross-section of a swale. The top surface is a horizontal line labeled "MATCH EXISTING GROUND". Below this, a trapezoidal channel is shown. The top width of the channel is labeled "1 000 mm MIN". The bottom width is labeled "500 mm MAX". The depth of the channel is labeled "150 mm MIN". The side slopes are indicated by dashed lines with a horizontal run of "3" and a vertical rise of "1", labeled "1:3".

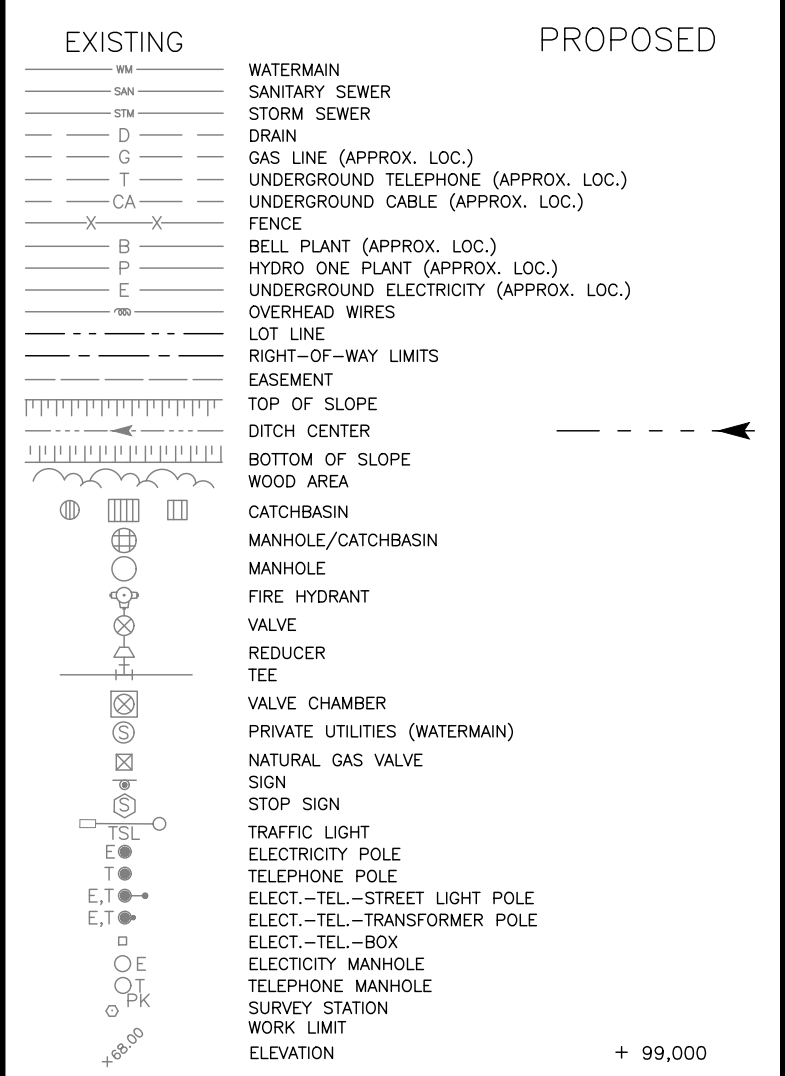
1. Minimum gradient of 1:50 on grassed swales
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3. Preferred maximum side slopes of 3:1 (H:V)
4. Minimum depth of 150 mm
5. Maximum depth of 500 mm
6. Minimum width of 1 000 mm
7. The position of the swale, including side slopes, must be at a minimum 500 mm rise of the lot line, unless it is a shared swale, wherein it must be located on the common lot line.

SWALE

01



CIMA+ disclaims all responsibility for the consequences of these modifications and any modifications made without its knowledge.



A	2023-02-07	AS-BUILT	M.F.
No.	Date	Description	By

STAMPS:

CIMA+

CLIENT :

SURVEYOR :

PROJECT :

502 RICHARD ROAD

SHEET TITLE :

GRADING AND DRAINAGE

DISCIPLINE: CIVIL

DRAFTER: MARTIN FRÉCHETTE	SCALE: 1:100
DESIGNER: MARTIN FRÉCHETTE	DATE: 2023-01-17
VERIFIED BY: HUGUES BISSON	VERIFIED BY: -
PROJECT NO: A000831A	DRAWING NO: <div style="text-align: center; font-size: 2em; font-weight: bold;">C-01</div>
SHEET NO: <div style="text-align: center;">1 of 1</div>	

THE GEODETIC COORDINATES OF EVERY ITEM INCLUDED AS PART OF THIS DOCUMENT ARE IN **NAD83 - ORIGINAL / MTM - REFERENCE SYSTEM** AND HAVE NO LEGAL VALUE. THE SITE LAYOUT MUST BE COMPLETED USING THE OFFICIAL BENCHMARKS OF AN ACCREDITED LAND SURVEYOR IN THE **NAD83 - ORIGINAL / MTM - REFERENCE SYSTEM**.

THE UNDERGROUND FEATURES AND INFORMATION THAT APPEAR ON THE DRAWINGS WERE OBTAINED FROM THE PUBLIC UTILITY COMPANIES AND/OR FROM THE CITY EACH RESPECTIVELY.

ALL INFORMATION UNDER THE LEGEND 'EXISTING' IS FOR INFORMATION ONLY. COMPLETE OR EXACT LOCATION AND ELEVATION OF UNDERGROUND SERVICES ARE NOT GUARANTEED.

CERTAIN UNDERGROUND FEATURES ON PRIVATE PROPERTY ARE NOT SHOWN ON THE CURRENT DRAWING.

ANYONE WHO PROCEEDS WITH EXCAVATION WORK SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND FEATURES, BY EXPLORATORY EXCAVATIONS, AND SHALL ASSUME FULL RESPONSIBILITY IF THERE IS ANY DAMAGE THAT OCCURS DURING WORK.

THE CONTRACTOR WILL HAVE THE RESPONSIBILITY AND THE OBLIGATION TO VALIDATE, BY EXPLORATORY EXCAVATION, THE SIZE OF THE PUBLIC UTILITIES UNDERGROUND SERVICES AND TO WARN THE ENGINEER OF ANY CONFLICT WITH THE PROJECTED WORK.