



- 1. GENERAL NOTES**
- 1.1.1.1. CHSA**  
**1.1.1.2. CSA**  
**1.1.1.3. MTO**  
**1.1.1.4. NBCC**  
**1.1.1.5. ASTM**  
**1.1.1.6. ASCE**  
**1.1.1.7. ROAD DESIGN STANDARDS**
- 1.1.1.7.1. TAC**  
**1.1.1.7.2. Q20-01 DESIGN CODE OF A STORMWATER MANAGEMENT SYSTEM**  
**1.1.1.7.3. 949-15**  
**1.1.1.7.4. BY LAJ NUMBER 637-05 TITLED "RESPECTING SUBDIVISIONS"**  
**1.1.1.7.5. MTO TOME 1 THROUGH TOME 7**
- 1.1.2. DIMENSION**
- 1.1.2.1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED**
- 1.1.3. BENCH MARKS AND SURVEY**
- 1.1.3.1. COORDINATES USED IN THIS DRAWING ARE IN MZC ZONE 9 (EPSG 32189) AND ARE BASED ON GEODETIC ELEVATION**
- 1.1.3.2. ELEVATIONS ARE BASED ON LIDAR PROVIDED BY OPINFORNET**
- 1.1.4. REFERENCES**
- 1.1.4.1. GEOTECHNICAL REPORT TITLED "GEOTECHNICAL INVESTIGATION REPORT" BY ASI DATED 16 OCTOBER 2013.**
- 1.1.4.1.1. UPDATED IN MEMO TITLED "ROUTE 105 DEVELOPMENT PROJECT" BY ASI DATED 5 JULY 2019**
- 1.1.4.1.2. UPDATED IN DETAILED MEMO TITLED "STABILITY ASSESSMENT OF NORTHERN PART OF PROPOSED SUBDIVISION" BY SACL DATED 23 AUGUST 2021**
- 1.1.4.2. PUMPING TEST MEMO TITLED "ASSESSMENT OF WELL PUMPING TEST BY SHERMONT" BY ASI DATED 15 JANUARY 2021. SEPTIC AND DRAINING WATER NOTES**
- 1.1.4.2.1. ALL SEPTIC SYSTEMS LOCATIONS ARE BASED ON THE PUMPING REPORT, SEPTIC REPORT, AND GEOTECHNICAL REPORT WHICH SHOWS A TYPICAL SEPTIC SYSTEM THAT WOULD SATISFY THE LISTED BY LAWS**
- 1.1.4.2.2. POLISHING FIELDS MAY EXTEND BEYOND THE APPROVED CONSTRUCTION LINE BUT MUST BE APPROVED BY SACL GEOTECHNICAL ENGINEER**
- 1.1.4.3. ROAD FEASIBILITY STUDY TITLED "FEASIBILITY STUDY" BY ASI DATED 1 FEBRUARY 2021. ROAD DESIGN NOTES**
- 1.1.4.4. ROAD DESIGN REPORT TITLED "ROAD DESIGN REPORT" BY SACL DATED 23 APRIL 2024**
- 1.1.4.5. SEPTIC SYSTEM ASSESSMENT REPORT TITLED "SEPTIC SYSTEMS ASSESSMENT REPORT" BY ASI DATED 21 JANUARY, 2021**
- 1.1.4.6. SITE LIGHTING BY OTHER**
- 1.1.4.7. STORMWATER DESIGN REPORT TITLED "STORMWATER DESIGN OF RTE 105 SUBDIVISION" BY SACL DATED 23 APRIL 2024**
- 1.1.4.8. CANADIAN TERRAFORM FORESTIERE, PROJECT: CHELSEA, LOT #3 389 672 BY NOVIA SACL DATED 18 MARCH 2024**
- 2. LOT PLAN DESIGN AND DEVELOPMENT GUIDELINES**
- 2.1.1. THE SUBDIVISION DESIGN IS SENSITIVE TO THE EXISTING NATURAL AND BUILT ENVIRONMENT OF THE MUNICIPALITY OF CHELSEA. THIS INCLUDES CONSIDERATION OF TOPOGRAPHY, VEGETATION, EXISTING WATERBODIES, HISTORIC STRUCTURE AND SURROUNDING LAND USES.**
- 2.1.1.2. PROPOSED LOT PLANS ARE BASED UPON A SINGLE HOUSE FOOTPRINT OF APPROXIMATELY 225M<sup>2</sup>. HOUSES ARE TO HAVE A BASEMENT AND BE TWO STORES TALL. ABOVE GROUND SWIMMING POOLS ARE ALLOWED WITHIN THE CONSTRUCTION LIMIT, UNLESS EXPLICITLY NOTED. CONSTRUCTION OUTSIDE THE NOTED CONSTRUCTION LIMIT IS TO BE LIMITED TO SEPTIC SYSTEMS.**
- 2.1.1.3. BUILDING PLACEMENT, ORIENTATION, ARCHITECTURE, AND ALL NEW CONSTRUCTION ARE TO RESPECT CHELSEA GUIDELINES**
- 2.1.1.4. WHERE POSSIBLE, HOUSES AND NEW CONSTRUCTION ARE TO DRAIN TOWARD ROAD SIDE DITCH.**
- 2.1.1.5. WELLS ARE TO BE DESIGNED AS WATERTIGHT, WITH A MINIMUM BUFFER TO SEPTIC SYSTEMS OF 30.0M. THIS MAY BE REDUCED AT THE DISCRETION OF THE SPECIALIZED SEPTIC ENGINEER'S SYSTEM CAPABILITIES**
- 2.1.1.6. MINIMAL SITE DISTURBANCE IS TO BE ENSURED. CLEARING OF LARGE SWATHES OF TREES SHOULD PROMPT A HYDRAULIC DESIGN REVIEW. A MAXIMUM OF 400M<sup>2</sup> OF DEVELOPED AREA IS ASSUMED PER LOT. ADDITIONAL DEVELOPMENT SHOULD BE CONTROLLED LOCALLY USING LID TECHNOLOGIES. LID IMPLEMENTATION PLAN TO BE VERIFIED AT TIME OF CONSTRUCTION OF EACH LOT.**
- 2.1.1.7. LOT OWNERS SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE RELEVANT MUNICIPAL AUTHORITIES PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES**
- 2.1.1.8. THE SUBDIVISION IS TO BE SERVICED BY WELL AND SEPTIC SYSTEMS, NO CONNECTIONS TO EXISTING INFRASTRUCTURE ARE REQUIRED**
- 2.1.1.9. OVERLAND FLOW CHANNELS ARE TO BE MAINTAINED BY THE LOT OWNER TO ENSURE ADEQUATE HYDRAULIC CONNECTIVITY TO THE DRY STORAGE PONDS**
- 2.1.1.10. DISCHARGE OUTLETS SHOWN ON PLANS ARE TO BE INSPECTED TWICE A YEAR TO ENSURE CLEAR PASSAGE OF WATER AND DISCHARGE OF DRY STORAGE SYSTEMS.**
- 2.1.1.11. ALL STORMWATER MANAGEMENT SYSTEMS ARE DESIGNED BASED ON THE REFERENCED STORMWATER MANAGEMENT DESIGN GUIDE FROM NOTE 1.1.4.7**
- 2.1.1.12. ROAD DESIGN IS BASED ON MTO TOME 1 THROUGH TOME 7 AND LOCAL CHELSEA ROAD DESIGN FOR LOW FLOW ROAD**
- 2.1.1.13. RIGHT-OF-WAY STANDARDS IS TO BE 15.0M, AND ALL ROADWAYS DITCHES ARE TO BE MAINTAINED AND OWNED BY THE MUNICIPALITY OF CHELSEA. ALL STORMWATER MANAGEMENT SYSTEMS ARE TO BE MAINTAINED AS PER REFERENCE 1.1.4.7**
- 2.1.1.14. STIPULATIONS AND ADDITIONAL GRADING ABOVE EXISTING CONDICTION IS NOT PERMITTED ON THE LOTS WITHOUT THE APPROVAL OF THE DESIGN ENGINEER.**
- 2.1.1.15. THIS SUBDIVISION DESIGN AND ITS VARIOUS COMPONENTS ARE FOR CONCEPTUAL APPROVAL ONLY. DIMENSIONS AND LOCATIONS OF VARIOUS ELEMENTS MAY BE CHANGED BY OWNERS AT THE DISCRETION OF CHELSEA BUILDING OFFICIALS AND SACL ENGINEER PRIOR TO CONSTRUCTION**
- 3. SIGNAGE AND BARRIERS**
- 3.1.1. ROAD SIGNAGE**
- 3.1.1.1. ROAD SIGNAGE IS TO BE PER ROAD SIGNAGE PLAN ON SH17**
- 3.1.1.2. ROAD SIGNAGE IS TO BE PLACED A MINIMUM OF 1.0M AWAY FROM PAVED EDGE**
- 3.1.1.3. UNDERSIDE OF SIGNAGE TO BE A MINIMUM 2.2M FROM PAVED SURFACE**
- 3.1.1.4. ALL SIGNAGE TO BE AS PER MTO TOME 5**
- 3.1.2. DRY STORAGE SIGNAGE**
- 3.1.2.1. WARNINGS FOR HIGH WATER LEVEL TO BE PLACED AROUND AREAS DESIGNATED FOR DRY STORAGE. SEE SIGNAGE PLAN FOR DETAILED LOCATIONS**
- 3.1.2.2. SIGNAGE FOR DRY STORAGE MAY BE REPLACED WITHIN VEGETATIVE BARRIERS IF REQUIRED**
- 3.1.3. SAFETY FEATURES**
- 3.1.3.1. VEGETATIVE BARRIERS**
- 3.1.3.1.1. WHERE WATER DEPTH IS DESIGNED AT LESS THAN 1.0M, AND THE SIDE SLOPE IS LESS THAN 3H:1V, VEGETATIVE BARRIERS ARE CONSIDERED ADEQUATE**
- 3.1.3.1.2. VEGETATIVE BARRIERS ARE TO BE DESIGNED BY OTHERS BUT SHOULD INCLUDE EMERGENT SPECIES OF VEGETATION TO DETER ACCESS.**



**LEGEND - PLAN**

Line Location	Line Type
Property (Open Area)	Sub-Station 2 (R)
Property	Street Centre
MS-132-08-WB-06	Centre
Flow Direction	Right Edge
Right Hand Edge	Left Flow
Right Hand Edge	Lot Lines
Left Hand Edge	End of the Slope (Right)
Left Hand Edge	End of the Slope (Left)

**LEGEND - PROFILE**

Plan Line Location	Profile Boundary
Plan Right Edge	Profile Right Edge
Plan Left Edge	Profile Left Edge
Profile Type	Finished Grade
Left Hand Edge	End of the Slope (Right)
Right Hand Edge	End of the Slope (Left)
Right Hand Edge	Right Hand Profile
Right Hand Edge	Right Hand Profile

**LEGEND - SUBDIVISION PLAN**

Right Hand Edge	Subdivisions
Construction Limit	Property Limit
Right of Way	Wood C.L.
Natural Feature	Gateway River
Highway 105	

**REVISIONS**

NO.	DATE	REMARKS
10	08 DECEMBER 2025	ISSUED FOR PERMIT
9	05 OCTOBER 2025	ISSUED FOR PERMIT
8	2 JUNE 2025	ISSUED FOR PERMIT
7	30 JANUARY 2025	ISSUED FOR PERMIT
6	08 OCTOBER 2024	ISSUED FOR CONSTRUCTION
5	28 JUNE 2024	ISSUED FOR PERMIT
4	28 JUNE 2024	ISSUED FOR PERMIT
3	5 JUNE 2024	ISSUED FOR PERMIT
2	11 APRIL 2024	ISSUED FOR PERMIT
1	27 FEB 2024	ISSUED FOR PERMIT

**LEGEND**

# # # LOT NUMBERING TEXT

DN# CURVE NUMBER

EC END OF CURVE

BC BEGINNING OF CURVE

AP APPROXIMATE BOREHOLE LOCATION

MP MONITORING POINT

SERVICE LOCATIONS INDICATED ON SHORING DRAWINGS ARE PROVIDED FOR COORDINATION PURPOSES ONLY.

OTHER SERVICES NOT INDICATED ON THIS DRAWING MAY EXIST.

THE OWNER / GENERAL CONTRACTOR / PROJECT MANAGER SHALL ENSURE THAT ALL THE UNDERGROUND AND OVERGROUND SERVICES BE IDENTIFIED, PROTECTED AND / OR RELOCATED. PRIOR TO PROCEEDING WITH ANY DRILLING OR EXCAVATION WORK. DO NOT EXCAVATE OR DRILL BEFORE ALL SERVICES HAVE BEEN LOCATED.

CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME REPORTING ANY DISCREPANCIES TO THE ARCHITECT BEFORE COMMENCING THE WORK.

PRINTS ARE NOT TO BE SCALED. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

DRAWINGS WITHOUT ENGINEER'S SIGNATURE SHALL BE CONSIDERED AS INCOMPLETE AND ARE FOR INFORMATION ONLY.



**HWY 105 DEVELOPMENT**

CHELSEA, QUEBEC

Sheet Title: **LOT #26**

Scale: North



**SCIENTIFIC APPLIED CONCEPTS LTD**  
 5500 ZANZIBAR ROAD, SUITE 101, CHELSEA, QUEBEC H3B 2Y1  
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**SACL**

Scale: NTS  
 Designed By: D.A.  
 Drawn By: D.A. & H.A.  
 Reviewed By: M.N. & H.S.  
 Job No: 2106037  
 Sheet No: RL26