



- 1. GENERAL NOTES**
- 1.1.1.1. GENERAL NOTES**
- 1.1.1.1. CHSA OCCUPATIONAL HEALTH AND SAFETY CANADIAN STANDARD ASSOCIATION
- 1.1.1.2. CSA MINISTRE DE TRANSPORTS DU QUEBEC
- 1.1.1.3. MTO NATIONAL BUILDING CODE OF CANADA (2020)
- 1.1.1.4. NBCC NATIONAL BUILDING CODE OF CANADA (2020)
- 1.1.1.5. ASTM AMERICAN SOCIETY OF TESTING AND MATERIALS
- 1.1.1.6. ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS
- 1.1.1.7. ROAD DESIGN STANDARDS
- 1.1.1.7.1. TAC TRANSPORTATION ASSOCIATION OF CANADA - MANUAL OF GEOMETRIC DESIGN GUIDE FOR CANADIAN ROADS
- 1.1.1.7.2. Q2-01 DESIGN CODE OF A STORMWATER MANAGEMENT SYSTEM ELIGIBLE FOR A DECLARATION OF COMPLIANCE, ENVIRONMENT QUALITY ACT
- 1.1.1.7.3. 949-15 CHELSEA RELATIF A LA MISE EN PLACE DE TRAVAUX MUNICIPALUX
- 1.1.1.7.4. BY LAWNUMBER 637-05 TITLED "RESPECTING SUBDIVISIONS" EFFECTIVE 20 APRIL 2020
- 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 MTM ZONE 9 (EPSG 32189) AND ARE BASED ON GEODETIC ELEVATION
- 1.1.3.2. ELEVATIONS ARE BASED ON LIDAR PROVIDED BY OPENFORST**
- 1.1.4. REFERENCED REPORTS**
- 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 "ROAD 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 SYSTEMS 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. CARAVAN PARK TERRESTRIAL FORESTRIE, PROJECT: CHELSEA LOT #3 389 672 BY NOVIA SVALUATED 18 MARCH 2024
- 2. LOT PLAN DESIGN AND DEVELOPMENT GUIDELINES**
- 2.1.1.1. 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 225M². 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 400M² 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. STIPPLING AND ADDITIONAL GRADING ABOVE EXISTING CONSTRUCTION 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

Lot Location	Flow
Placement (Open Area)	Sub-Station 2 (R)
Structure	Street Light
MS-132 ON WS-06	Curbs
Pipe Location	ROAD EDGE
WELL BUFFER ZONE	WELL FLOW
RIGHT SLAVE STAGE	LOT LINES
LEFT SLAVE STAGE	END OF THE SLAVE (RIGHT)
RIGHT SLAVE STAGE	END OF THE SLAVE (LEFT)

LEGEND - PROFILE

Plan Slope	Public Right-of-Way
Plan Pipe Location	Public Right-of-Way
Plan Right Edge	Channel
Plan Slope	Bridge Abutment
Plan Type	FINISHED CHANNEL
LEFT SLAVE STAGE	END OF THE SLAVE (RIGHT)
RIGHT SLAVE STAGE	INFRASTRUCTURE LINES
END OF THE SLAVE (LEFT)	ROAD CENTER PROFILE
RIGHT SLAVE STAGE	ROADWAY LINES

LEGEND - SUBDIVISION PLAN

RESERVE PROPOSED EXAMINED	SUBDIVISION
CONSTRUCTION LIMIT	PROPERTY LIMIT
ROUTE OF WAY	ROAD C.L.
NATURAL FEATURES	CANTONAL BOUNDARY
ROADWAY 100	

NO	DATE	REVISIONS	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.

Client

CHELSEA DEVELOPMENT
1201 BOULEVARD ST. JOSEPH
GATINEAU QC
J2Z 3J6



Job Title: **HWY 105 DEVELOPMENT**

CHELSEA, QUEBEC

Sheet Title: **LOT #12**

Scale: NTS

Designed By: D.A.

Drawn By: D.A. & H.A.

Reviewed By: M.N. & H.S.

Job No: **2106037**

Sheet No: **RL12**

SCIENTIFIC APPLIED CONCEPTS LTD
5500 CANTON ROAD, UNIT 105, GLOUCESTER, ONTARIO L0G 1R0
WWW.SACL.CANADA.COM | INFO@SACL.CANADA.COM

SACL

RL12 SAMPLE LOT PLAN