

9 514.35 55 30 W23 38 20 W 55 42

F.F.=56.25

Concrete Road Surface -

REMOVE 2.5m EX. 152 DIA

WATER SERVICE & VALVE

 $\sqrt{55.18}$ $\sqrt{55.18}$ ABOVE

OUTLINE OF BUILDING AT GRADE —

OUTLINE OF MECHANICAL PENTHOUSI AND ROOFTOP AMENTY AREA

F.F.=56.75

F.F.=57.00

CONSTRUCT NEW 1.8m WIDE SIDEWALK & CURBS PER CITY STD SC2

1500mm DIA COMBINED SEWER

STOREYS BELOW GRADE (PARKING GARAGE)

12 STOREYS ABOVE GRADE (127 UNITS)
PLUS MECHANICAL PENTHOUSE & ROOFTOP AMENITY

F.F.=56.50

55.649+

55.62 +

Gravel

+55.87

55.89 X

(Stucco and Foundation Noted)

F.F.=57.30

57.05 01 96 Depressed 96 Curb 56.96

12" (300mm) SEWER

F.F.=57.30/GROUND 60.80/2nd FL.

PLANTER

CONDOMINIUM / LANDSCAPE PODIUM:

OUTLINE OF THIRD FLOOR TERRACE

4 STOREYS ABOVE GRADE FROM CITY CENTRE

NOTES & SPECIFICATIONS

SITE INFORMATION COMPILED FROM EXISTING CITY RECORDS, TOPO AND SITE BOUNDARY SURVEY BY OTHERS AND ENGINEER'S FIELD NOTES. REPORT ALL DISCREPANCIES PRIOR TO ANY WORK.

2. MODIFICATIONS/REVISIONS NO MODIFICATIONS TO THIS DRAWING AND SPECIFICATIONS AND NO MATERIALS SUBSTITUTION IS PERMITTED WITHOUT THE WRITTEN

AUTHORIZATION OF BOTH THE ENGINEER AND THE OWNER. 3. ENGINEERS STAMP

USE OF THIS DRAWING WITHOUT THE ENGINEER'S SIGNED STAMP CURRENT TO THE LATEST REVISION IS NOT ALLOWED AND SHOULD ANY SUCH JSE OCCUR, THE ENGINEER IS RELEASED OF ANY RESPONSIBILITY. 4. SITE BOUNDARIES

FOR SITE BOUNDARY DIMENSIONS REFER TO TOPOGRAPHICAL PLAN BY ANNIS. O'SULLIVAN, VOLLEBEKK LTD. DATED JULY 5, 2013. 5. SITE BENCHMARK

ALL ELEVATIONS SHOWN ON THIS PLAN ARE GEODETIC DATUM AND REFERRED TO A SITE BENCHMARK ON FIRE HYDRANT LOCATED ON THE NORTH SIDE OF SPRUCE STREET APPROX. 15m EAST OF CITY CENTRE AVENUE: TOP OF SPINDLE = 55.86 METERS. 6. EXISTING CONDITIONS

6.1 SURFACE: EXISTING GROUND SURFACE ELEVATIONS SHOWN ON THIS DRAWING ARE TAKEN FROM THE TOPOGRAPHICAL PLAN REFERRED TO IN 6.2 SUBSURFACE: REFER TO GEOTECHNICAL INVESTIGATION REPORT BY JOHN D. PATERSON & ASSOC. LTD. (REPORT No. G 8584-2, DATED JAN. 3. 2003).

7. LAYOUT ALL DIMENSIONS ARE SHOWN IN METRES UNLESS OTHERWISE NOTED. REFER TO ARCHITECT'S SITE PLAN FOR HORIZONTAL LAYOUT DIMENSIONS OF MAJOR SITE FEATURES INCLUDING BUILDINGS, ENTRANCE ROADWAY, DRIVEWAYS, SIDEWALKS AND RETAINING WALLS. THE CONTRACTOR IS RESPONSIBLE FOR LAYOUT OF ALL UNDERGROUND SERVICES, GRADING, ROADWAYS, DRIVEWAYS, SIDEWALKS AND RETAINING WALLS.

8. PERMITS
THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION RELATED PERMITS, FEES, APPROVALS AND INSPECTIONS REQUIRED BY THE CITY AND THE PROVINCE.

9. SPECIFICATIONS (GENERAL)
ALL MATERIALS, CONSTRUCTION, TESTING AND DISINFECTION OF ON—
SITE AND OFF—SITE UNDERGROUND SERVICES FOR WATER SUPPLY, SANITARY AND STORM DRAINAGE SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD SPECIFICATIONS CURRENTLY IN EFFECT (PUBLIC SERVICES & WORKS DEPARTMENT, INFRASTRUCTURE SERVICES BRANCH); BY REFERENCE TO ONTARIO STANDARDS OPSS & OPSD AND BY REFERENCE TO CSA, ASTM AND AWWA STANDARDS.

10. CONNECTION TO CITY SERVICES
10.1: THE CONTRACTOR SHALL CONFIRM LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND CITY SERVICES AND STRUCTURES FOR CONNECTION OF SITE SERVICES AND DETERMINE ANY DAMAGE OR POSSIBLE CONFLICT PRIOR TO CONSTRUCTION OF NEW SEWER AND WATER WORKS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY ERRORS, DISCREPANCIES, CONFLICTS OR OMISSIONS THAT ARE UNCOVERED.

OUTLINE OF EXISTING PATH BELOW

T/G=56.65

10.2: THE CONTRACTOR SHALL NOTIFY CITY INSPECTION STAFF PRIOR TO EXCAVATING FOR CONNECTING TO CITY WATERMAINS. CITY STAFF SHALL MAKE ALL CONNECTIONS TO CITY WATERMAINS.

11. WATER SERVICE CONNECTIONS

 CONNECT TO EXISTING 203mm DIA, PVC (2004) MAIN ON SPRUCE STREET WITH 152mm DIA USING T.V.&S. TO BE INSTALLED BY CITY STAFF, WITH EXCAVATION, BEDDING, BACKFILL, ROAD AND SIDEWALK

- RESTORATION BY THE CONTRACTOR. CONNECT EXISTING 150mm DIA PVC WATER SERVICE (2004) TO NEW WATER SERVICE AFTER REMOVING 2.5m OF EXISTING SERVICE AND
- SALVAGING EXISTING VALVE AND VALVE BOX AS SHOWN ON THIS PLAN. TRENCHING, BEDDING, BACKFILLING, CATHODIC PROTECTION, TESTING AND DISINFECTION PER CITY STANDARDS AND SPECIFICATIONS.
- WATER SERVICE TO BE 152mm DIA PVC DR 18, PRESSURE CLASS 150
- INSTALLED WITH 2.4m COVER BELOW SURFACE GRADE. INSTALL WATER SERVICE TO SOUTH LIMIT OF SPRUCE STREET AT SHUT-OFF VALVE AND VALVE BOX. WATER SERVICE INSTALLED TO 2.4m DEPTH: NO INSULATION REQUIRED. INSULATE PER STD. W22 FOR SERVICES LESS THAN 2.4m COVER TO

FINISHED GRADE. INSULATE BETWEEN WATERMAIN/SEWER CROSSINGS

12. ROOF DRAIN CONTROLS (RDC)

14. INLET CONTROL DEVICES (ICD)

PER CITY STANDARDS.

• ON VARIOUS ROOF LEVELS INSTALL A TOTAL OF SIX (6) ROOF DRAIINS WITH ADJUSTABLE CONTROL WEIRS (RDC'S) AT LOCATIONS AND WITH WEIR SETTINGS AS SPECIFIED ON ROOF PONDING PLAN (DWG. RPD-2). REFER TO MECHANICAL DRAWINGS FOR FURTHER SPECIFICATIONS REGARDING OUTLET PIPE SIZES AND SPECIFICATIONS FOR OTHER UNCONTROLLED ROOF DRAINS.

13. AREA DRAINS (AD) REFER TO MECHANICAL DRAWINGS FOR SPECIFICATIONS OF AREA DRAINS TO BE USED AT PLANTER BOX LOCATIONS ABOVE UNDERGROUND GARAGE CEILING SLABS WHERE INDICATED ON THIS PLAN.

• IMMEDIATELY UPON COMPLETION OF ALL ROOF DRAINS (CONTROLLED AND UNCONTROLLED) AND AREA DRAINS IN FINISHED LANDSCAPED SURFACES, INSTALL A PLUG-TYPE CIRCULAR ORIFICE CENTRED ON THE 250mm DIA STORM SERVICE OUTLET INSIDE UNDERGROUND GARAGE. I.C.D. TO HAVE

128mm DIA CIRCULAR ORIFICE WITH 45° BEVEL ON DOWNSTREAM SIDE. I.C.D. RELEASE RATE TO BE 27.3 L/sec @ 0.62m HEAD. 15. UNDERGROUND GARAGE DRAINAGE

REFER TO MECHANICAL DRAWINGS FOR DETAILS OF SITE, LOCATION & PIPING FOR SUMPS AND PUMPS LOCATED BELOW FLOOR OF PARKING LEVEL P2. DISCHARGE OF SUMP PUMPS TO BE PIPED TO THE FOLLOWING OUTLETS: • GARAGE FLOOR DRAINAGE TO SANITARY SEWER CONNECTION AT N/E

CORNER OF PARKING LEVEL P1. • FOUNDATION DRAINAGE TO STORM SEWER CONNECTION ON PARKING LEVEL P1 AND TO BE CONNECTED DOWNSTREAM OF THE ICD CONTROL FOR THE

16. EXTERIOR PAVEMENT SURFACES REFER TO ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR SPECIFICATIONS OF ALL EXTERIOR ON—SITE PAVEMENT SURFACES INCLUDIING ENTRY COURTYARD,

ACCESS DRIVEWAY AND WALKWAYS TO RESIDENTIAL AND RETAIL ENTRIES ALONG CITY CENTRE AVE. AND SPRUCE STREET • ALL UNIT PRE-CAST PAVERS TO BE CHOSEN FOR PRODUCT AND COLOUR BY THE ARCHITECT AND LANDSCAPE ARCHITECT AND TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS COMPLETE WITH STONE BEDDING LAYER, GRANULAR BASE, GEOTEXTILE CLOTHS AND PERFORATED PIPE SUBDRAINS AS REQUIRED FOR PAVEMENT AND/OR TREE PIT DRAINAGE. 17. PAVEMENT CUTS AND RESTORATION

 PAVEMENT CUTS FOR SERVICES INSTALLATION IN ROADWAYS SHALL BE TEMPORARILY REINSTATED TO MATCH EXISTING PAVEMENT STRUCTURE AND PAVEMENT SURFACES SHALL BE PERMANENTLY REINSTATED FOLLOWING REPLACEMENT OF SIDEWALK CUT(S) ON SPRUCE STREET AND CONSTRUCTION OF NEW CURB AND SIDEWALK ON CITY CENTRE AVENUE. 18. CITY SIDEWALKS

- REMOVE EXISTING SIDEWALK AND CURB AT SPRUCE STREET VEHICLE ENTRANCE AND REPLACE WITH MONOLITHIC CURB AND SIDEWALK PER
- CONSTRUCT CITY SIDEWALK ON CITY CENTRE AVENUE ACROSS ENTIRE
- FRONTAGE PER CITY STD. SC2. • ALL CONCRETE FOR CURBS AND SIDEWALKS SHALL BE 32MPa CLASS
- C-2 CONCRETE MIX PER CITY SPEC. No. F-3510. • REINSTATEMENT SHALL BE TO THE MINIMUM LIMITS SHOWN ON THE PLAN OR SUCH FURTHER EXTENT AS DETERMINED BY THE CITY TO COVER ALL AREAS OF ACTUAL CONSTRUCTION DAMAGE.

19. PLANTER BOXESREFER TO ARCHITECTURAL, STRUCTURAL AND LANDSCAPE DRAWINGS FOR ALL DETAILS TO CONSTRUCT P/C PLANTER BOXES AT LOCATIONS

20. SITE GRADING AND DRAINAGE

 PROPOSED GRADES SHOWN ON THIS PLAN ARE DESIGNED TO MEET SPECIFIC REQUIREMENTS OF THE CITY OF OTTAWA RELATING TO STORMWATER MANAGEMENT (SWM) FINAL GRADING OF ALL OUTSIDE SURFACES MUST BE IN ACCORDANCE WITH THE PROPOSED GRADES AND SURFACE SLOPE DIRECTION ARROWS SHOWN ON THIS DRAWING IN ORDER TO ALLOW THE SWM SYSTEM TO FUNCTION AS

INTENDED BY THE APPROVED DESIGN. 21. SEDIMENT CONTROL

- USE BEST MANAGEMENT PRACTICE TECHNIQUES (B.M.P.'S) TO CONTROL RELEASE OF SEDIMENT AND POLLUTANTS OFF—SITE TO ADJACENT PROPERTIES AND TO CITY STREETS AND SEWERS. SUCH B.M.P.'S INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
- INSTALL AND MAINTAIN A SILT FENCE ALONG THE ENTIRE EASTERLY SITE BOUNDARY PER O.P.S.D. 219.110 DURING BOTH DEMOLITION AND
- CONSTRUCTION PHASES OF THIS PROJECT.
- DOUBLE WRAP C.B./M.H. INLET GRATES WITH WOVEN GEOTEXTILE UNTIL PAVING AND LANDSCAPING IS COMPLETE.
 NO RE-FUELING, LUBRICATING OR CLEANING OF HEAVY EQUIPMENT NEAR C.B. INLETS OR TRENCHES WITH OPEN PIPES.
- INSTALL TRUCK WASHING RAMPS AND HOSE DOWN FACILITIES ON—SITE DURING EXCAVATION OPERATIONS TO REMOVE SEDIMENT FROM TRUCK TIRES
- AND ARRANGE FOR PERIODIC FLUSHING AND SWEEPING OF ADJACENT CITY STREETS TO REMOVE SEDIMENTS TRACKED FROM THE SITE BY TRUCK AND HEAVY EQUIPMENT. GROUNDWATER PUMPING FROM OPEN EXCAVATIONS MUST BE FILTERED THROUGH SILT TRAPS.
- MAINTAIN THE EFFICIENCY AND PERFORMANCE OF ALL INSTALLED B.M.P. DEVICES THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL LANDSCAPE SURFACES HAVE BEEN PLACED.
- FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY REGULATORY AGENCIES.

22. SPECIAL NOTE/OTHER DRAWINGS THIS DRAWING MUST BE READ TOGETHER WITH THE LATEST REVISIONS OF THE FOLLOWING OTHER DRAWINGS IN ORDER TO PROPERLY

DWG. TITLE

ROOF PONDING PLAN AND DETAILS RPD-2 ERION ASSOCIATES SP-1 ALCAIDE WEBSTER ARCHITECTS INC. SITE PLAN L-1 GINO J. AIELLO LANDSCAPE ARCHITECT ANDSCAPE PLAN

CAUTION:

THE EXACT LOCATION OF UNDERGROUND AND

MAY BE INCOMPLETE. THE CONTRACTOR IS RESPONSIBLE TO CONTACT ALL MUNICIPAL

DETERMINE EXACT LOCATION OF ALL SEWERS,

AUTHORITIES AND UTILITY COMPANIES TO

COMMUNICATIONS, CABLE TV AND OTHER

CONTRACTOR IS SOLELY RESPONSIBLE FOR

PROTECTION AGAINST DAMAGE OF ALL EXISTING

INSTALLATIONS AND IS LIABLE FOR ALL COST

WATERMAINS, GAS, ELECTRICAL AND

UNDERGROUND INSTALLATIONS. THE

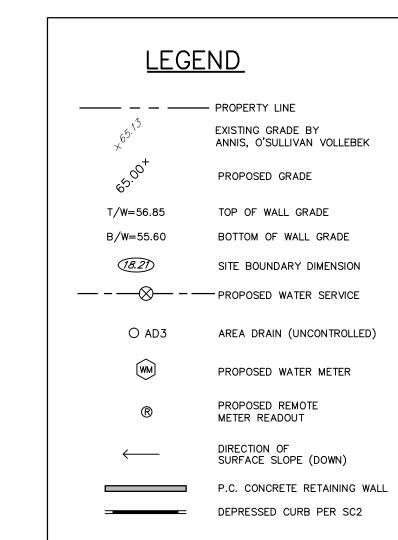
SHOULD DAMAGE OCCUR.

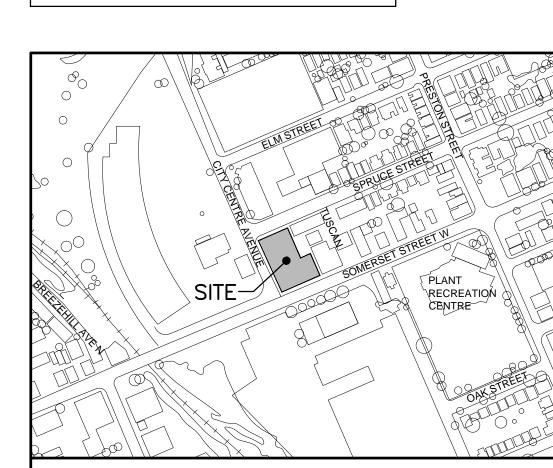
OVERHEAD UTILITIES IS APPROXIMATE ONLY AND

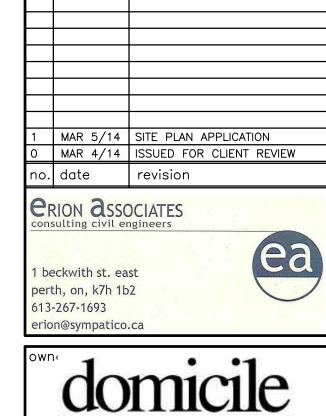
3. DESIGN CALCULATIONS

ASSOCIATES, PROJECT EA 13-272.

OR DESIGN CALCULATIONS, REFER TO "SITE SERVICES AND STORMWATER MANAGEMENT DESIGN BRIEF" BY ERION





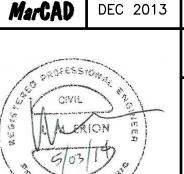


CONSTRUCTION CORP 371A RICHMOND ROAD, SUITE 1 OTTAWA, ONTARIO K2A OE 989 SOMMERSET ST. WEST PROPOSED MIXED USE

CONDOMINIUM (RESIDENTIAL/RETAIL)

OTTAWA ONTARIO

SITE SERVICES AND **GRADING PLAN**



lrawing no. SSG-1

1:200

EA 13-272

roject

KEY PLAN

SCALE 1:200 0 2 4 6 8 10 12 14 16m

T/G = 54.97

INSTALL NEW 203 DIA VALVE BOX

CONNECT NEW |W/SERVICE

(152 DIA TV&S BY CITY

PAVEMENT AND SIDEWALK

STAFF) AND RESTORE

SITE BENCHMARK Fire Hydrant T/S Elev. = 55.86 EX 375 ST @ 1.0%

LEX 152 W/SERVICE Sof

Centreline of Road

Top of Concrete Curb