



TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS

- LEGEND**
- PROPERTY LINE
  - - - PROPOSED CURB
  - - - PROPOSED DEPRESSED CURB
  - - - PROPOSED RETAINING WALL
  - ▨ PROPOSED PRECAST CONCRETE CURB (O.P.S.D 603.020)
  - ▨ TACTILE WALKING SURFACE INDICATOR (TWS) PER CITY DETAIL SCT-3
  - PROPOSED CAP
  - ▨ PROPOSED SIDEWALK PAINTING
  - ▨ PROPOSED PARKING PAINTING
  - PROPOSED SANITARY SERVICE c/w MANHOLE
  - PROPOSED STORM SEWER AND MANHOLE
  - PROPOSED FIRE SUPPRESSION WATERMAIN
  - PROPOSED FRY HYDRANT PER CITY DETAIL W54
  - ▨ PROPOSED BUILDING ENTRANCE
  - ▨ DIRECTION OF FLOW
  - PROPOSED CATCHBASIN MANHOLE
  - PROPOSED INLET CONTROL DEVICE
  - PROPOSED CATCHBASIN
  - ▨ PROPOSED UNDERGROUND STORAGE WITH GEOTEXTILE (REFER TO 116111ND FOR DETAILS)
  - ▨ PROPOSED UNDERGROUND STORAGE WITHOUT GEOTEXTILE (REFER TO 116111ND FOR DETAILS)
  - ▨ PROPOSED LIGHT POST FIXTURE (REFER TO ELECTRICAL/PHOTOMETRIC PLAN)
  - ▨ DECORATIVE LAMP POST (REFER TO ELECTRICAL/PHOTOMETRIC PLAN)
  - ▨ LIGHTING BOLLARD (REFER TO ELECTRICAL/PHOTOMETRIC PLAN)
  - CONCRETE BOLLARDS
  - HYDRO TRANSFORMER (REFER TO ELECTRICAL PLAN)
  - GENERATOR (REFER TO ELECTRICAL PLAN)
  - ELECTRICAL MANHOLE (REFER TO ELECTRICAL PLAN)
  - EXISTING UTILITY POLE c/w GUY WIRES
  - EXISTING WATERMAIN c/w VALVE & VALVE CHAMBER
  - EXISTING HYDRANT c/w VALVE & LEAD
  - EXISTING SANITARY MANHOLE & SEWER
  - EXISTING SANITARY FORCEMAIN
  - EXISTING STORM MANHOLE & SEWER
  - EXISTING STORM FORCEMAIN
  - EXISTING INFILTRATION CHAMBERS
  - EXISTING GAS MAIN
  - EXISTING BELL LINE
  - EXISTING OVERHEAD WIRES
  - EXISTING HYDRANT
  - EXISTING STREETLIGHT POWER SUPPLY
  - EXISTING STREETLIGHT
  - EXISTING PARKING LOT SIGNAGE

**PIPE CROSSING TABLE**

CROSSING	LOWER PIPE	HIGHER PIPE	CLEARANCE
1	150mmØ VM ØBV = 111.40	250mmØ STM INV = 112.40	1.00m
2	150mmØ VM ØBV = 111.20	250mmØ STM INV = 112.36	1.16m
3	150mmØ VM ØBV = 111.15	250mmØ STM INV = 112.27	1.12m
4	150mmØ VM ØBV = 111.30	250mmØ STM INV = 112.19	0.89m
5	150mmØ VM ØBV = 111.60	250mmØ STM INV = 112.12	0.52m
6	150mmØ VM ØBV = 111.50	300mmØ STM INV = 112.00	0.50m
7	150mmØ VM ØBV = 111.30	450mmØ STM INV = 111.90	0.60m
8	150mmØ VM ØBV = 111.05	525mmØ STM INV = 111.50	0.50m
9	150mmØ VM ØBV = 111.05	250mmØ STM INV = 111.84	0.80m

**150mmØ FIRE SUPPRESSION WATERMAIN TABLE**

STATION	ELEVATION	TOP OF WATERMAIN	DESCRIPTION
0+000	114.20	111.80	DRY HYDRANT
0+008.7	114.20	111.80	5" HORIZONTAL DEFLECTION
0+026.1	114.20	111.80	TEE CONNECTION WITH 150mm FIRE SUPPRESSIONS WATERMAIN
0+050.7	114.00	111.50	CROSSING STORM SEWER (0.5m CLEARANCE)
0+084.5	113.70	111.30	CROSSING STORM SEWER (0.5m CLEARANCE)
0+123.0	113.90	111.05	45" HORIZONTAL BEND
0+125.9	113.85	111.00	CROSSING STORM SEWER (0.5m CLEARANCE)
0+155.3	113.45	111.05	CROSSING STORM SEWER (0.5m CLEARANCE)
0+176.7	114.00	111.80	DRY HYDRANT

**150mmØ FIRE SUPPRESSION WATERMAIN TABLE**

STATION	ELEVATION	TOP OF WATERMAIN	DESCRIPTION
1+000	114.20	111.80	DRY HYDRANT
1+031.9	114.00	111.60	TEE CONNECTION WITH 150mm FIRE SUPPRESSIONS WATERMAIN
1+034.9	114.00	111.60	11.25" HORIZONTAL BEND
1+039.0	114.00	111.60	CROSSING STORM SEWER (0.5m CLEARANCE)
1+054.6	113.70	111.30	22.5" HORIZONTAL BEND
1+068.2	113.95	111.55	CROSSING STORM SEWER (0.5m CLEARANCE)
1+082.0	113.55	111.15	DRY HYDRANT TEE CONNECTION
1+082.0	113.55	111.15	CROSSING STORM SEWER (0.5m CLEARANCE)
1+116.1	113.60	111.20	CROSSING STORM SEWER (0.5m CLEARANCE)
1+121.9	113.85	111.45	22.5" HORIZONTAL BEND
1+134.5	113.85	111.40	CROSSING STORM SEWER (0.5m CLEARANCE)
1+148.4	113.80	111.20	DRY HYDRANT

**APPROVED**  
By Allison Hamlin at 1:11 pm, Aug 03, 2023

**Attamlin**  
ALLISON HAMLIN  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
DEPARTMENT, CITY OF OTTAWA

**NOT FOR CONSTRUCTION**

No.	REVISION	DATE	BY
7	REVISED PER CITY COMMENTS	JUN 2023	MJH
6	ISSUED FOR GMP	JUN 14 2023	MJH
5	REVISED PER CITY COMMENTS	MAR 03 2023	MJH
4	DESIGN DOCUMENTS PACKAGE	NOV 15 2022	MJH
3	REVISED PER CITY COMMENTS	NOV 08 2022	MJH
2	REVISED PER CITY COMMENTS	APRIL 24 2020	CJR
1	ISSUED FOR SITE PLAN APPROVAL	NOV 20 2019	CJR

**SCALE**

1:400

0 4 8 12 16

**FOR REVIEW ONLY**

DESIGN	MJH
CHECKED	CJR
DRAWN	MJH
CHECKED	CJR
APPROVED	JLS

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LOCATION  
4837 ALBION ROAD, CITY OF OTTAWA  
HARD ROCK OTTAWA

DRAWING NAME  
GENERAL PLAN OF SERVICES  
SOUTH-EAST DEVELOPMENT

PROJECT NO.	116111
REV	REV #7
DRAWING NO.	116111-GP3

NOTE: THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

D07-12-19-0191 Plan No. 18864