PIPE CROSSING TABLE

CROSSING	LOWER PIPE	HIGHER PIPE	CLEARANCE
1	200mmØ SAN OBV = 84.54	250mmØ STM INV = 84.84	±0.30m
2	250mmØ STM OBV = 85.11	200mmØ WM INV = 85.68	±0.57m
3	250mmØ STM OBV = 85.12	200mmØ WM INV = 85.66	±0.54m

PROPOSED 200mmØ WATERMAIN (0+000.0)

STATION	SURFACE ELEVATION	T/WM ELEVATION	COMMENTS
0+000.0	88.13	85.32	CONNECTION TO EXISTING 300mm WATERMAIN
0+016.9	88.32	85.92	200mmØ VALVE AND VALVE BOX
0+021.1	88.26	85.86	CROSS ABOVE 250mmØ STM (±0.54 CLEARANCE)
0+022.0	88.26	85.86	200mm CAP 1.0m FROM THE FOUNDATION WALL

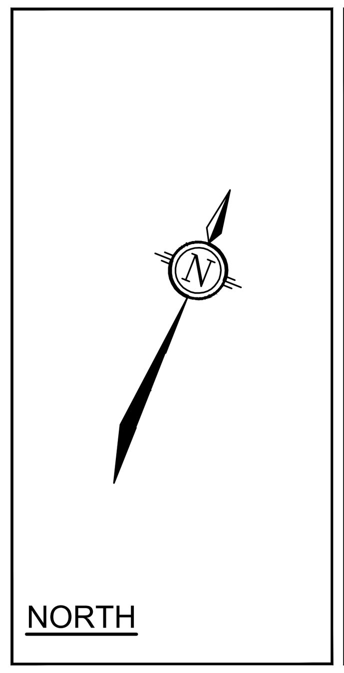
PROPOSED 200mmØ WATERMAIN (1+000.0)

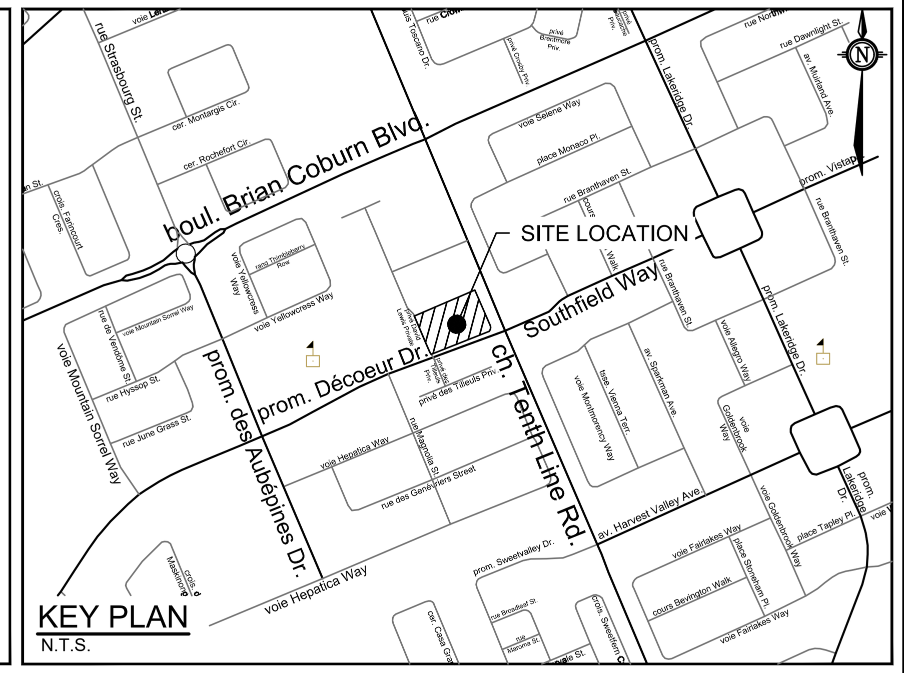
STATION	SURFACE ELEVATION	T/WM ELEVATION	COMMENTS
1+000.0	88.34	85.32	CONNECT TO EXITING 300MM VALVE AND VALVE BOX
1+001.5	88.30	85.90	REDUCER FROM 300mm TO 200mm
1+002.6	88.29	85.89	45 DEGREE HORIZONTAL BEND
1+004.1	88.26	85.86	45 DEGREE HORIZONTAL BEND
1+004.6	88.28	85.88	CROSS ABOVE 250mmØ STM (±0.57 CLEARANCE)
1+005.2	88.31	85.91	200mm CAP 1.0m FROM THE FOUNDATION WALL

ICD SIZING AND FLOWS

STRUCTURE	ICD SIZE	ICD INVERT (m)	T/G (m)	100-yr HGL (m)	100-yr HEAD (m)	100-yr RELEASE RATE (L/s)
CBMH 102	127mm PLATE	84.96	87.97	87.02	1.99	49.5
STMH 105	152mm PLATE	85.16	88.17	86.77	1.53	62.0

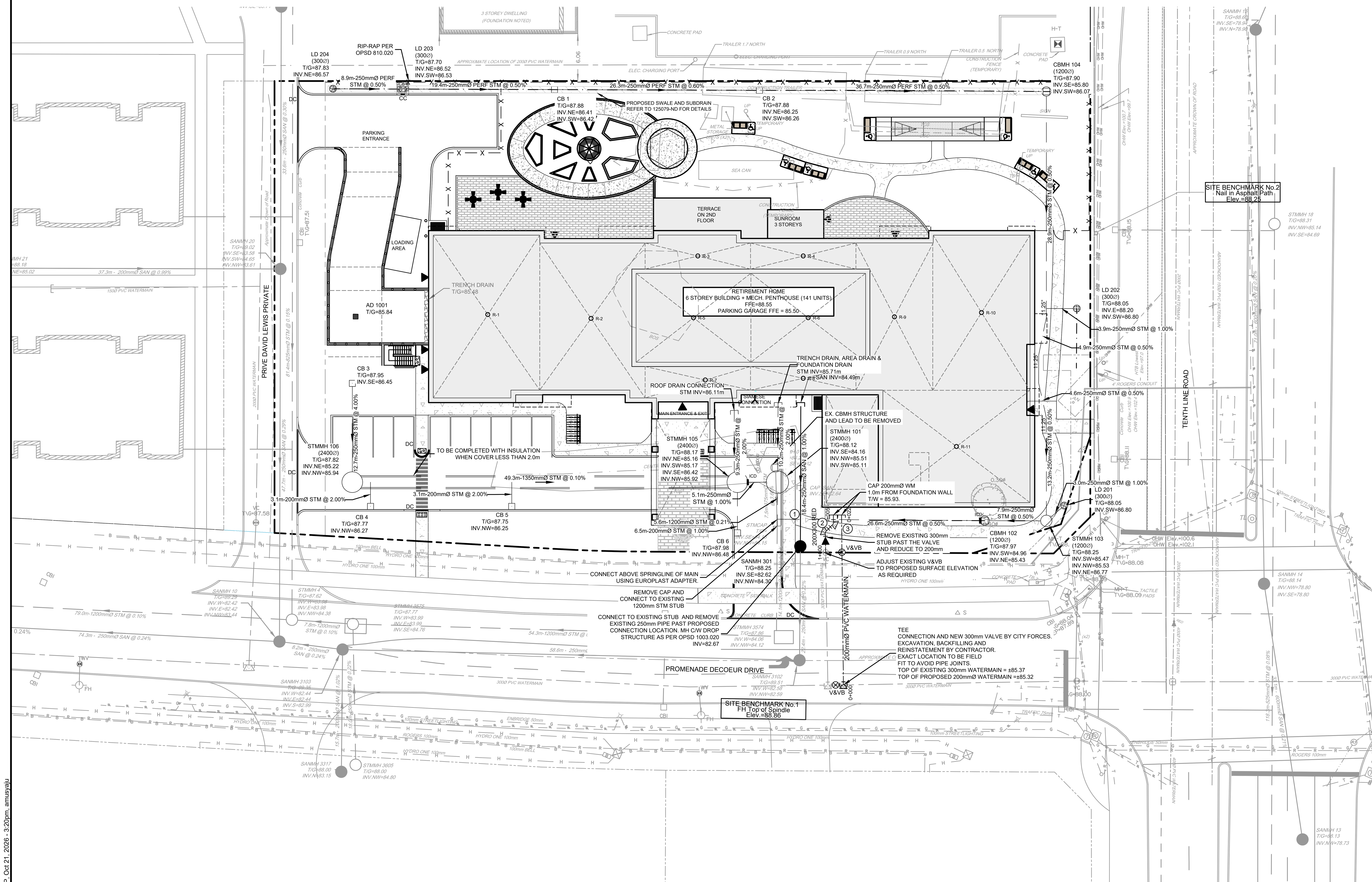
* THE DESIGN HEAD IS CALCULATED BASED ON THE CENTRE OF THE ORIFICE AT THE BOTTOM OF THE PIPE





LEGEND

- PROPERTY LINE
- PROPOSED BARRIER CURB
- DC — PROPOSED DEPRESSED CURB
- PROPOSED TACTILE WALKING SURFACE INDICATOR (TWSI)
- V&VB — PROPOSED VALVE AND VALVE BOX
- FIRE DEPARTMENT SIAMESE CONNECTION
- PROPOSED BUILDING ENTRANCE
- H.P. — PROPOSED HIGH POINT
- SWALE c/w SUBDRAIN AND DIRECTION OF FLOW
- PROPOSED CATCHBASIN
- PROPOSED AREA DRAIN
- PROPOSED LANDSCAPE DRAIN (ELBOW/TEE)
- PROPOSED TRENCH DRAIN
- R-3 — PROPOSED ROOF DRAINS
- PROPOSED BIKE RACKS
- PROPOSED CROSSWALK PAINTING
- SAN MH — PROPOSED SANITARY MANHOLE
- STM MH — PROPOSED STORM MANHOLE
- PROPOSED HYDRANT & VALVE
- PROPOSED VALVE AND VALVE BOX
- ICD — PROPOSED INLET CONTROL DEVICE
- PROPOSED PIPE CROSSING (REFER TO 125079-ND FOR DETAILS)
- PROPOSED EXFILTRATION TRENCH
- *EXISTING VALVE & VALVE BOX*
- *EXISTING VALVE & LEAD*
- SAN MH — *EXISTING SANITARY MANHOLE*
- STM MH — *EXISTING STORM MANHOLE*
- CB 1 — *EXISTING CATCHBASIN*
- *EXISTING DITCH CENTERLINE*
- UP — *EXISTING UTILITY POLE*
- AN — *EXISTING UTILITY POLE ANCHORS*
- *EXISTING STREETLIGHT*
- *EXISTING ROAD SIGNAGE*
- BOS — *EXISTING DITCH/ BOTTOM OF SLOPE*



NOTE:
1. ALL SERVICE CONNECTIONS AND CATCHBASIN CONNECTIONS TO BE MADE PER CITY OF OTTAWA DETAIL S1, S11 AND S11.2
2. BACKWATER VALVES TO BE PROVIDED ON ALL STORM AND SANITARY LATERALS AS PER CITY OF OTTAWA DETAILS S14, S14.1, AND S14.2. DOWNSTREAM OF ANY GRAVITY OUTLET FROM THE BUILDING. REFER TO MECHANICAL PLANS FOR DETAIL
4. ALL FLOWS FROM THE UNDERGROUND PARKING GARAGE ARE TO BE CONVEYED TO THE SANITARY SERVICE. (TYP)
5. PROPOSED SERVICES TO BE SLEEVED THROUGH FOUNDATION WALL WHERE APPLICABLE. FOUNDATION DRAINS TO BE PUMPED TO STORM SERVICE.
6. REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS ON INTERNAL PLUMBING (TYP).
7. PROPOSED FOUNDATION DRAINAGE, AREA DRAINS, AND TRENCHDRAINS ARE TO BE CONVEYED VIA THE INTERNAL PLUMBING TO THE PROPOSED STORM SERVICE CONNECTION TO STMMH 101. REFER TO THE MECHANICAL DRAWINGS FOR DETAILS
8. ROOF DRAINS ARE TO BE CONVEYED VIA THE INTERNAL PLUMBING TO THE PROPOSED STORM SERVICE FROM STMMH 105

REFER TO 125079-ND FOR ADDITIONAL NOTES & DETAILS

M:\2025\125079\CAD\Civil\125079-GP.dwg, GP, Oct 21, 2026 - 3:20pm, amusyaju

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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.

No.	REVISION	DATE	BY
4.	REVISED PER CITY COMMENTS	OCT 23/2026	ARM
3.	REVISED PER CITY COMMENTS	AUG 24/2026	ARM
2.	REVISED PER CITY SUPPORTABILITY COMMENT	APRIL 17/2026	ARM
1.	ISSUED FOR SPA	OCT 16/2025	ARM

SCALE 1:300

1:300 — 0 3 6 9 12

DESIGN ARM/AM
CHECKED ARM
DRAWN MF/AM
CHECKED ARM
APPROVED GJM

LICENSED PROFESSIONAL ENGINEER A. R. MESTWARP 100201604 October 23/2026 PROVINCE OF ONTARIO

LICENSED PROFESSIONAL ENGINEER G.J. MacDONALD Oct. 23, 2026 PROVINCE OF ONTARIO

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LOCATION
CITY OF OTTAWA
2380 TENTH LINE

DRAWING NAME
GENERAL PLAN OF SERVICES

PROJECT No. 125079
REV REV#4
DRAWING No. 125079-GP

D07-12-25-0145

PLANA1.DWG - 841mmx594mm