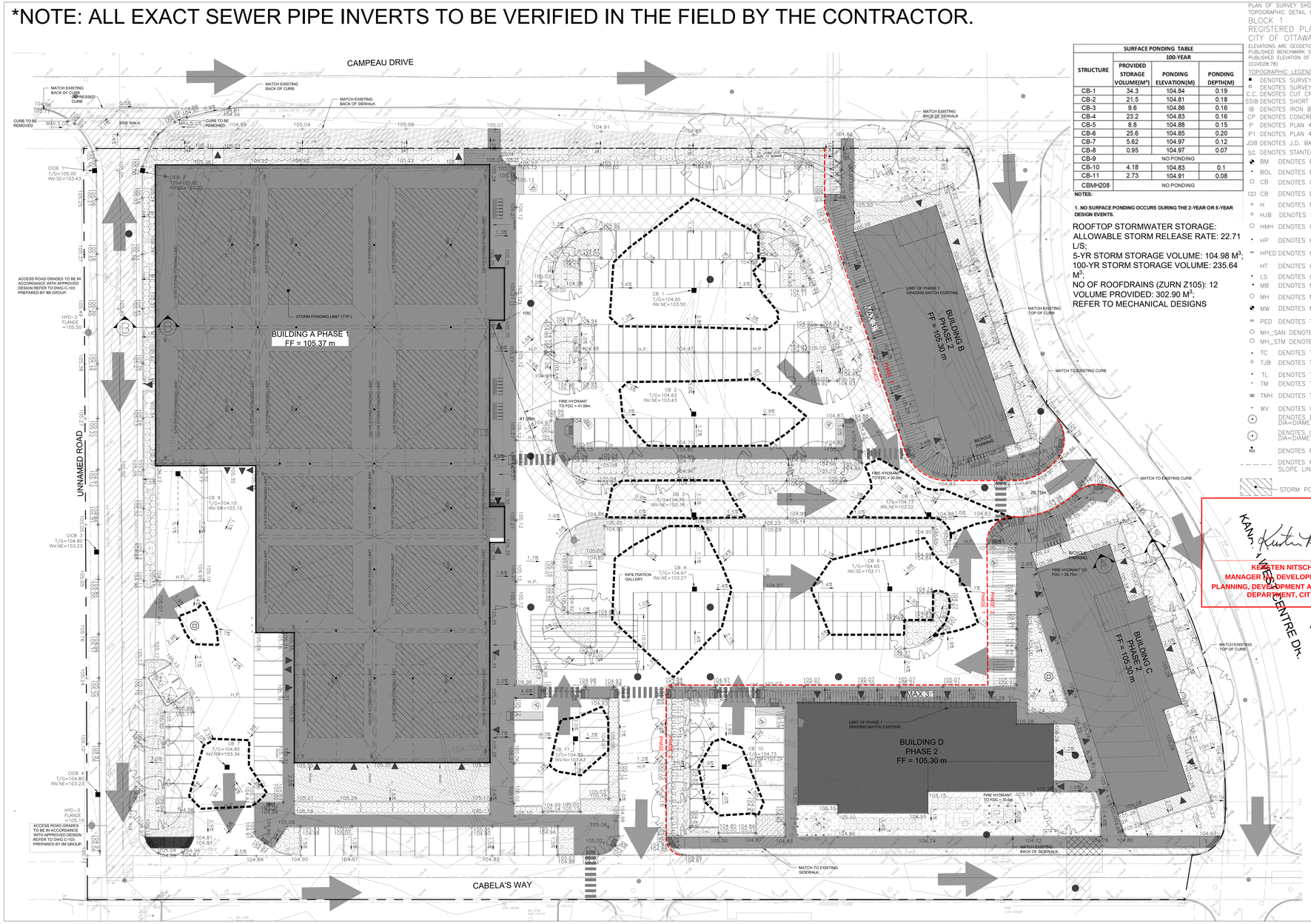
*NOTE: ALL EXACT SEWER PIPE INVERTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.



SURFACE PONDING TABLE			
STRUCTURE	100-YEAR		
	PROVIDED STORAGE VOLUME(M^3)	PONDING ELEVATION(M)	PONDING DEPTH(M)
CB-1	34.3	104.84	0.19
CB-2	21.5	104.81	0.18
CB-3	9.6	104.86	0.16
CB-4	23.2	104.83	0.16
CB-5	8.8	104.88	0.15
CB-6	25.6	104.85	0.20
CB-7	5.62	104.97	0.12
CB-8	0.95	104.97	0.07
CB-9	NO PONDING		
CB-10	4.18	104.83	0.1
CB-11	2.73	104.91	0.08
CBMH208	NO PONDING		

NOTES:

1. NO SURFACE PONDING OCCURS DURING THE 2-YEAR OR 5-YEAR DESIGN EVENTS.

ROOFTOP STORMWATER STORAGE:
ALLOWABLE STORM RELEASE RATE: 22.71 L/S;
5-YR STORM STORAGE VOLUME: 104.98 M^3;
100-YR STORM STORAGE VOLUME: 235.64 M^3;
NO OF ROOFDRAINS (ZURN Z105): 12
VOLUME PROVIDED: 302.90 M^3;
REFER TO MECHANICAL DESIGNS

PLAN OF SURVEY SHOWING TOPOGRAPHIC DETAIL OF
BLOCK 1
REGISTERED PLAN 4M-1566
CITY OF OTTAWA

ELEVATIONS ARE GEODETIC AND ARE REFERRED TO PUBLISHED BENCHMARK 00119833001, HAVING A PUBLISHED ELEVATION OF 77.081 METRES (CGVD28:78)

TOPOGRAPHIC LEGEND

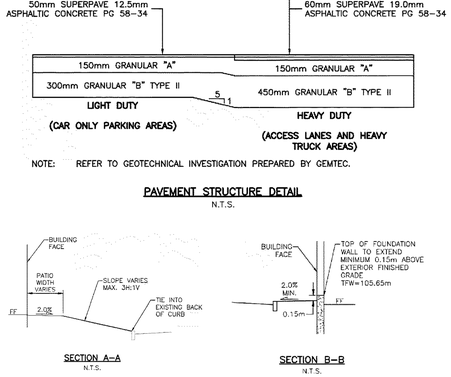
- DENOTES SURVEY MONUMENT FOUND
- DENOTES SURVEY MONUMENT SET
- C.C. DENOTES CUT CROSS
- SSIB DENOTES SHORT STANDARD IRON BAR
- IB DENOTES IRON BAR
- CP DENOTES CONCRETE PIN
- P DENOTES PLAN 4R – 35309
- P1 DENOTES PLAN 4R – 33025
- JDB DENOTES J.D. BARNES LIMITED
- SG DENOTES STANTEC GEOMATICS LTD.
- BM DENOTES BENCH MARK
- BOL DENOTES BOLLARD
- CB DENOTES CATCHBASIN
- CB DENOTES DOUBLE CATCHBASIN
- H DENOTES FIRE HYDRANT
- HJB DENOTES HYDRO JUNCTION BOX
- HMH DENOTES HYDRO MANHOLE
- HP DENOTES HYDRO POLE
- HPED DENOTES HYDRO PEDESTAL
- HT DENOTES HYDRO TRANSFORMER
- LS DENOTES LIGHT STANDARD
- MB DENOTES MAIL BOX
- MH DENOTES MANHOLE
- MW DENOTES MONITORING WELL
- PED DENOTES TELEPHONE PEDESTAL
- MH_SAN DENOTES SANITARY MANHOLE
- MH_STM DENOTES STORM MANHOLE
- TC DENOTES TELEPHONE CHAMBER
- TJB DENOTES TELEPHONE JUNCTION BOX
- TL DENOTES TRAFFIC SIGNAL
- TM DENOTES TELEPHONE CABLE MARKER
- TMH DENOTES TELEPHONE MANHOLE
- WV DENOTES WATER VALVE
- DENOTES DECIDUOUS TREE DIA=DIAMETER OF TRUNK IN METRES
- DENOTES CONIFEROUS TREE DIA=DIAMETER OF TRUNK IN METRES
- DENOTES ROOF DRAIN
- DENOTES ROOF DRAIN SLOPE LINE @ 2.00%
- STORM PONDING LIMIT (TYP.)

LEGEND

- PROPERTY LINE
- PHASING LIMITS
- ENTRANCE
- DEPRESSED CURB WITH TWSI
- HYDRANT
- EXISTING WATER VALVE
- EXISTING TREE
- 100 - YEAR PONDING LIMIT
- TERRACING (3H:1V MAX.)
- +105.06 PROPOSED SPOT ELEVATION
- 2.0% DRAINAGE SLOPE & DIRECTION
- PROPOSED CATCH BASIN
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED STORM MANHOLE
- EMERGENCY FLOW ROUTE FOR THE STORM ABOVE THE 1:100 EVENT
- PROPOSED HYDRANT
- EXISTING MAJOR MINOR CONTOURS
- HEAVY-DUTY ASPHALT
- EXISTING ASPHALT REINSTATEMENT
- PROPOSED SODDED GRASS AREA
- PROPOSED COMPOSTED PINE MULCH OR APPROVED EQUAL
- PROPOSED PRECAST CONCRETE PAVERS
- PROPOSED SHRUBS / ORNAMENTAL GRASSES / PERENNIALS
- EXISTING TREE TO REMAIN (REFER TO TREE CONSERVATION REPORT PREPARED BY CSW LANDSCAPE ARCHITECTS LTD. FOR DETAILS)
- APPROX 40 YEAR CANOPY PROJECTION
- PROPOSED DECIDUOUS TREE
- REQUIRED SOIL VOLUME

KERSTEN NITSCHE, MCIP RPP
MANAGER IV, DEVELOPMENT REVIEW WEST
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By Kersten Nitsche at 1:52 pm, Jul 18, 2025

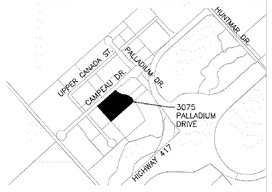


PAVEMENT STRUCTURE DETAIL
N.T.S.

SECTION A–A
N.T.S.

SECTION B–B
N.T.S.

KEY PLAN
N.T.S



No.	Issued	Date	By
5	REVISED PER CITY COMMENTS	2025-06-18	MD
4	REVISED COMMENTS	2025-06-13	MD
3	REVISED COMMENTS	2024-12-18	MD
2	REVISED COMMENTS	2024-09-27	MD
1	ISSUED FOR SPA	2024-07-15	MD

THE LOCATION OF ALL UNDER- / ABOVE-GROUND UTILITIES AND SERVICES IS APPROXIMATE ONLY AND WHERE SHOWN ON THE DRAWING(S) THE ACCURACY OF THE UTILITIES AND SERVICES IS NOT GUARANTEED. THE OWNER AND / OR HIS REPRESENTATIVE SHALL DETERMINE THE LOCATION OF ALL UTILITIES AND SERVICES BEFORE COMMENCING ANY CONSTRUCTION ACTIVITIES.

CONTRACTOR MUST CHECK & VERIFY ALL DIMENSIONS ON SITE.

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION.

LICENSED PROFESSIONAL ENGINEER
Z. DU
2025-06-18
PROVINCE OF ONTARIO

WPE ENGINEERING LTD.
222 - 7250 KEELE STREET
VAUGHAN, ON. L4K 1Z8
T: (416) 578 8682
DESIGN@WPEENGINEERING.COM

SCALE BAR
1:300
0 2 4 6 8 10 12m

PROP. COMMERCIAL DEVELOPMENT

3075 PALLADIUM DRIVE
CITY OF OTTAWA

INTERIM GRADING PLAN

CITY FILE NO.D07-12-24-0076

Design	A.M.	Scale	1:300
Checked	Z.D	Date	2024-06-24
Project No.	2034	Drawing No.	C-02

D07-12-24-0076

#19321