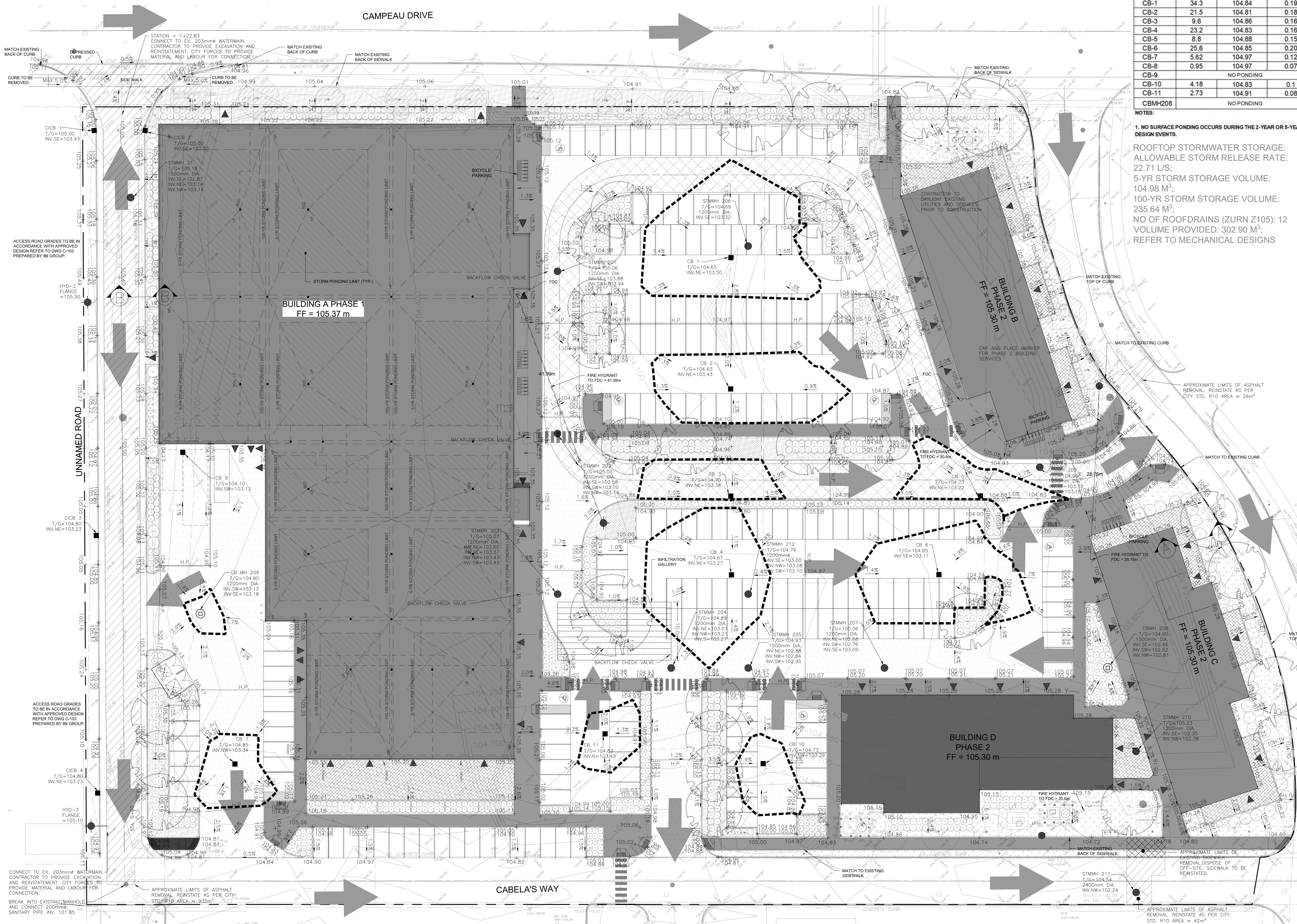


*NOTE: ALL EXACT SEWER PIPE INVERTS TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR.

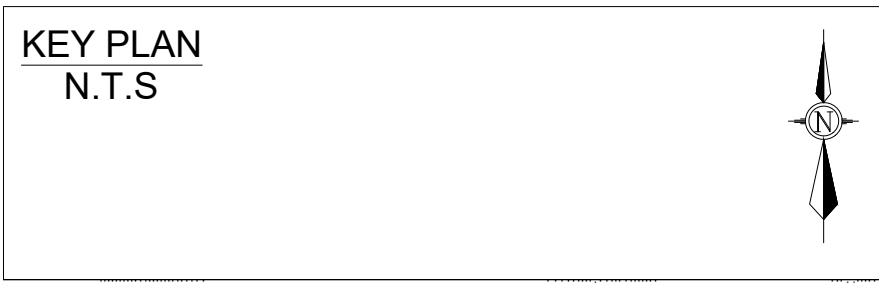
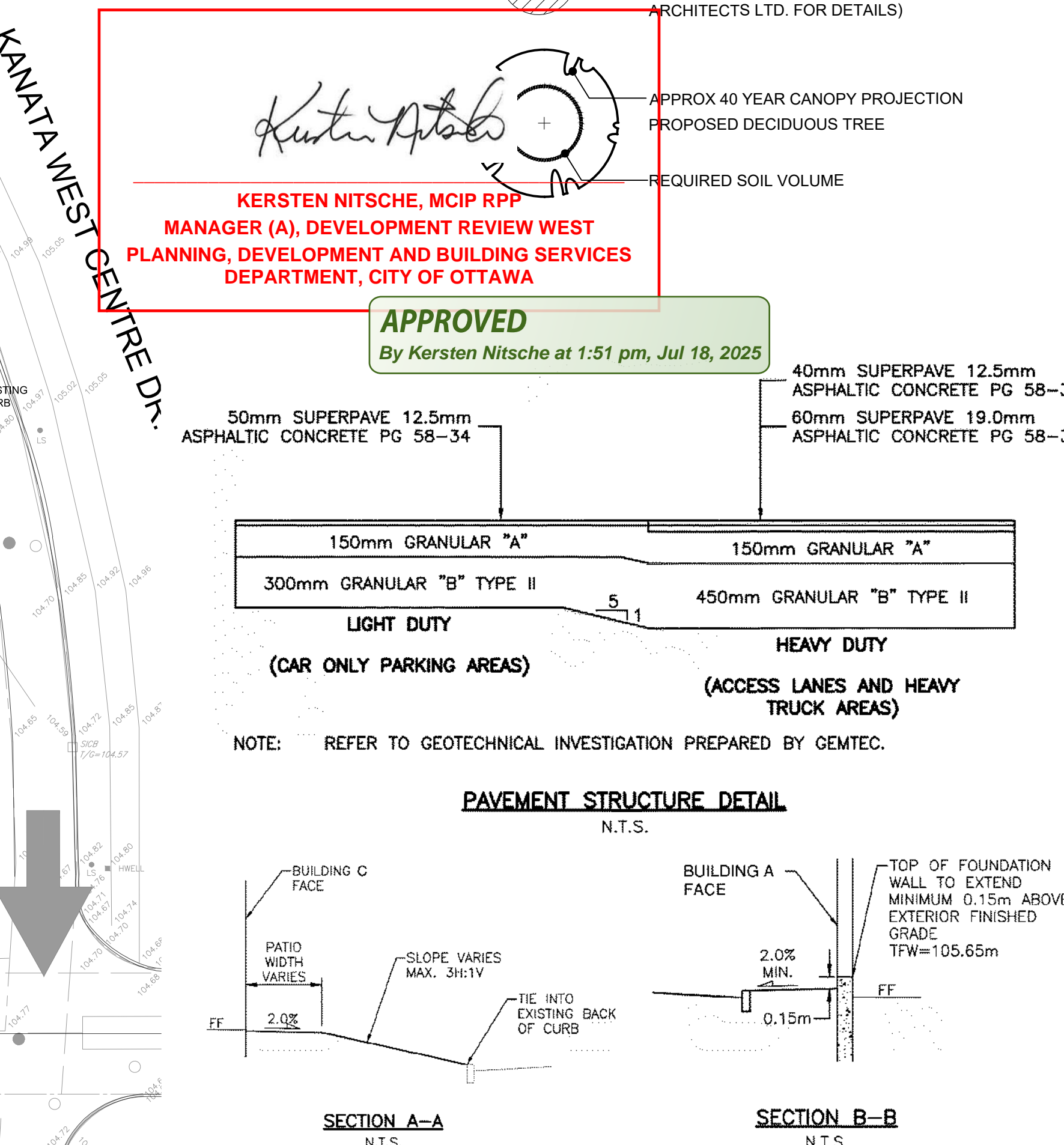


STRUCTURE	SURFACE PONDING TABLE		
	PROVIDED STORAGE VOLUME(M ³)	100-YEAR PONDING ELEVATION(M)	100-YEAR PONDING DEPTH(M)
CB-1	34.3	104.84	0.19
CB-2	21.5	104.81	0.18
CB-3	9.6	104.86	0.16
CB-4	23.2	104.83	0.16
CB-5	8.8	104.88	0.15
CB-6	25.6	104.85	0.20
CB-7	5.62	104.97	0.12
CB-8	0.95	104.97	0.07
CB-9	NO 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 M³;
100-YR STORM STORAGE VOLUME:
235.64 M³;
NO OF ROOFDRAINS (ZURN Z105): 12
VOLUME PROVIDED: 302.90 M³;
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 D0119833001, HAVING A PUBLISHED ELEVATION OF 77.081 METRES (COORD2878)
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
• HUB 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=DIA-METER OF TRUNK IN METRES
○ DENOTES CONIFEROUS TREE
DIA=DIA-METER OF TRUNK IN METRES
• DENOTES ROOF DRAIN
• DENOTES ROOF DRAIN
SLOPE LINE @ 2.00%
--- STORM PONDING LIMIT (TYP.)

- LEGEND
PROPERTY LINE
ENTRANCE
DEPRESSED CURB WITH TWSI
EXISTING HYDRANT
EXISTING WATER VALVE
EXISTING TREE
100 - YEAR PONDING LIMIT
TERRACING (3H:1V MAX.)
PROPOSED VALVE & BOX
PROPOSED HYDRANT
PROPOSED SPOT ELEVATION
DRAINAGE SLOPE & DIRECTION
PROPOSED CATCH BASIN
PROPOSED CATCH-BASIN MANHOLE
PROPOSED STORM MANHOLE
EMERGENCY FLOW ROUTE FOR THE STORM ABOVE THE 1:100 EVENT
EXISTING CONTOURS
HEAVY-DUTY ASPHALT
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
50mm SUPERPAVE 12.5mm ASPHALTIC CONCRETE PG 58-34
40mm SUPERPAVE 12.5mm ASPHALTIC CONCRETE PG 58-34
60mm SUPERPAVE 19.0mm ASPHALTIC CONCRETE PG 58-34
150mm GRANULAR "A"
300mm GRANULAR "B" TYPE II
LIGHT DUTY (CAR ONLY PARKING AREAS)
HEAVY DUTY (ACCESS LANES AND HEAVY TRUCK AREAS)
NOTE: REFER TO GEOTECHNICAL INVESTIGATION PREPARED BY GEMTEC.



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
PROP. COMMERCIAL DEVELOPMENT
3075 PALLADIUM DRIVE
CITY OF OTTAWA
SITE 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-01