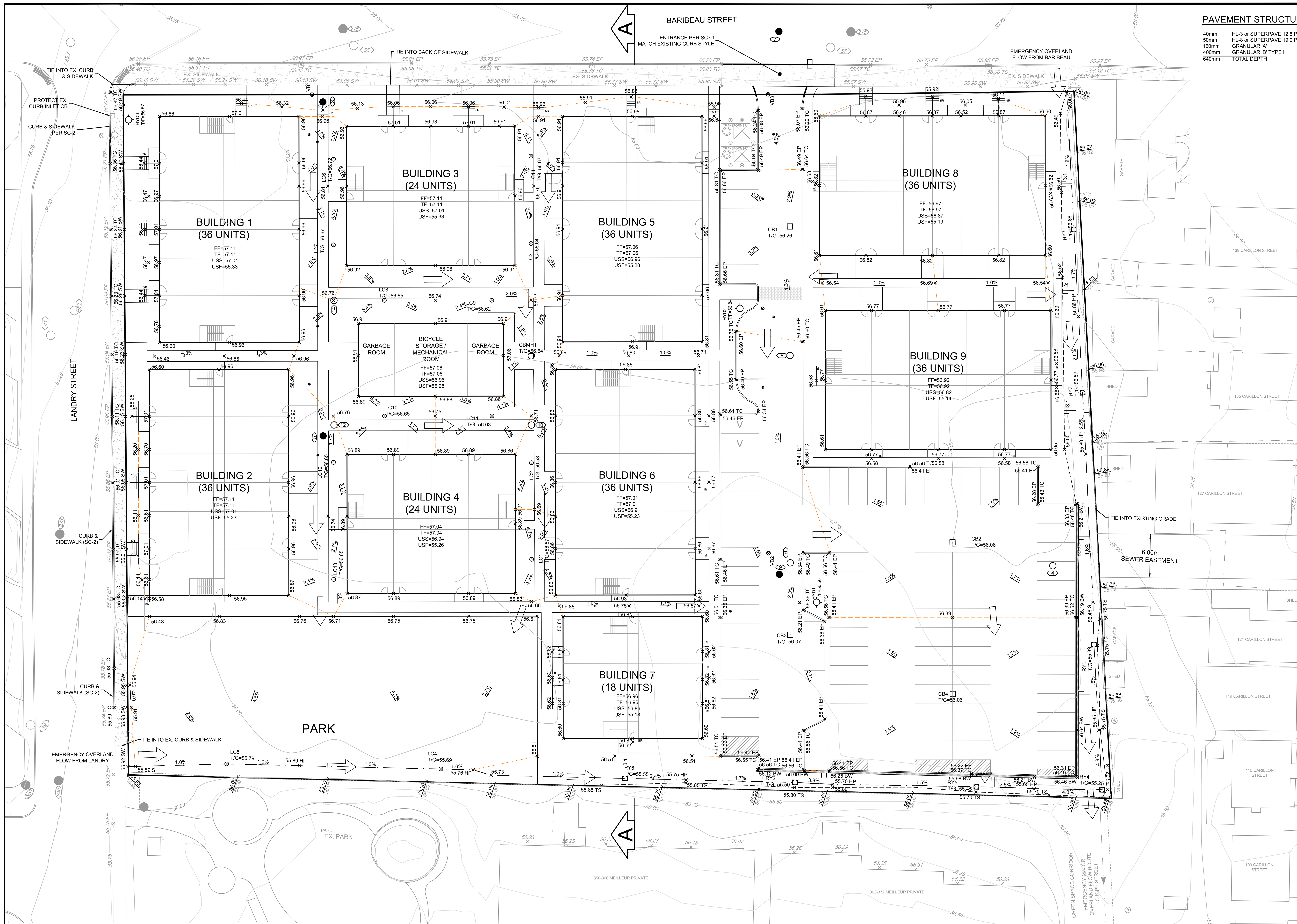
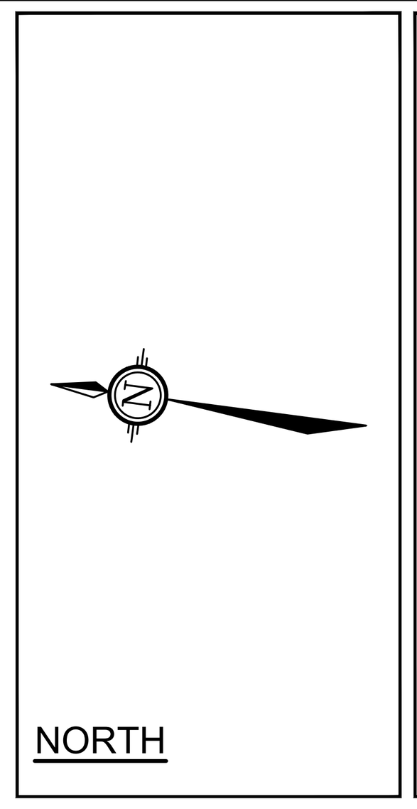
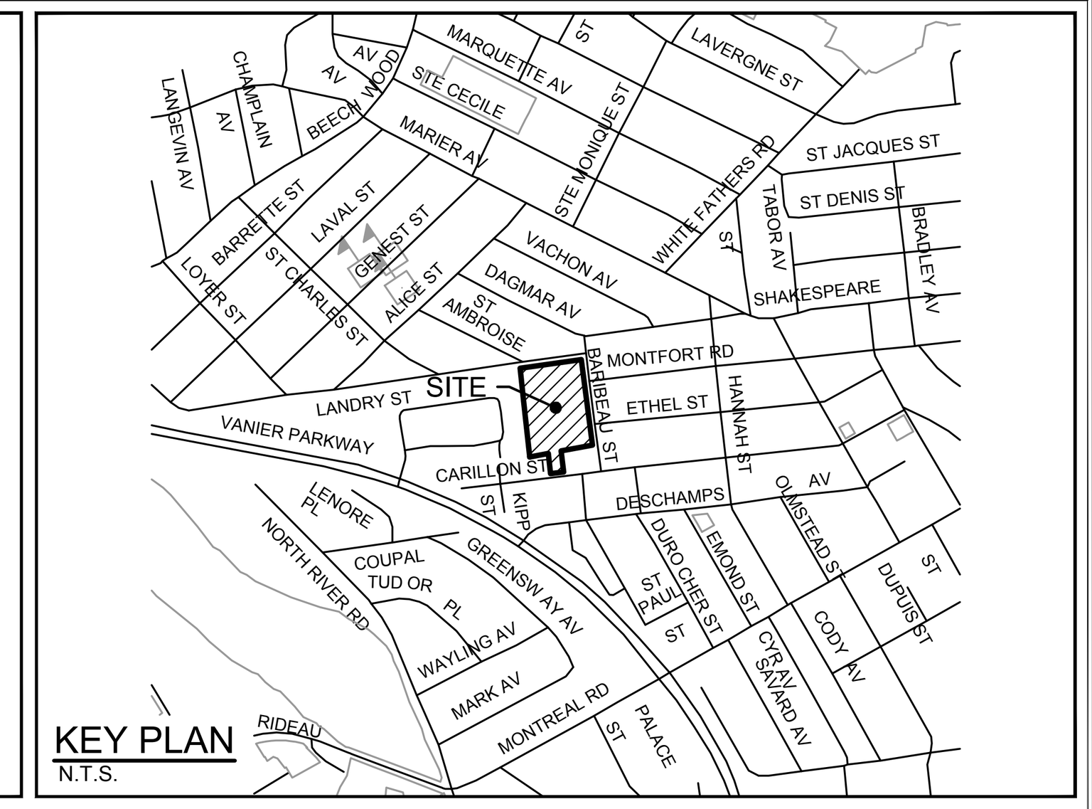


PAVEMENT STRUCTURE:

40mm	HL-3 or SUPERPAVE 12.5 PG 58-34
50mm	HL-8 or SUPERPAVE 19.0 PG 58-34
150mm	GRANULAR 'A'
400mm	GRANULAR 'B' TYPE II
640mm	TOTAL DEPTH





LEGEND

- 56.60 — PROPOSED ELEVATION
- 2.5% — PROPOSED GRADE AND DIRECTION OF FLOW
- 105.59 HP — PROPOSED ELEVATION AT HIGH POINT
- 105.53 / 105.53 — PROPOSED ELEVATION / EXISTING ELEVATION
- 55.98 — EXISTING SPOT ELEVATION
- 56.13 BS — EXISTING ELEVATION AT BACK OF SIDEWALK
- 55.00 — EXISTING CONTOUR ELEVATION
- UP — EXISTING UTILITY POLE AND GUY WIRE
- MAJOR OVERLAND FLOW DIRECTION
- 3:1 — TERRACE GRADE (3:1 MAX)
- SWALE AND TERRACE
- MAX STATIC PONDING LIMITS
- 100-YR PONDING LIMITS
- 100-YR +20% PONDING LIMITS
- DRAINAGE BOUNDARY
- HYD T/F=56.84 — HYDRANT WITH TOP OF FLANGE ELEVATION
- 101 — SANITARY MANHOLE
- 100 — STORM MANHOLE
- CB6 T/G=56.48 — CATCHBASIN WITH TOP OF GRATE ELEVATION CB WITH ICD
- LCB1 T/G=56.48 — LANDSCAPE TYPE CATCHBASIN WITH TOP OF GRATE ELEVATION
- VB — VALVE & VALVE BOX LOCATION
- FF= — FINISHED FLOOR
- TF= — TOP OF FOUNDATION
- USS= — UNDERSIDE OF SLAB
- USF= — UNDERSIDE OF FOOTING
- EP — EDGE OF PAVEMENT
- TC — TOP OF CURB
- SW — SIDEWALK
- GARDEN WALL
- EXISTING PRIVACY FENCE

RIDEAU RIVER REGULATORY FLOOD LEVEL
(REDUCED FLOOD RISK) = 56.44

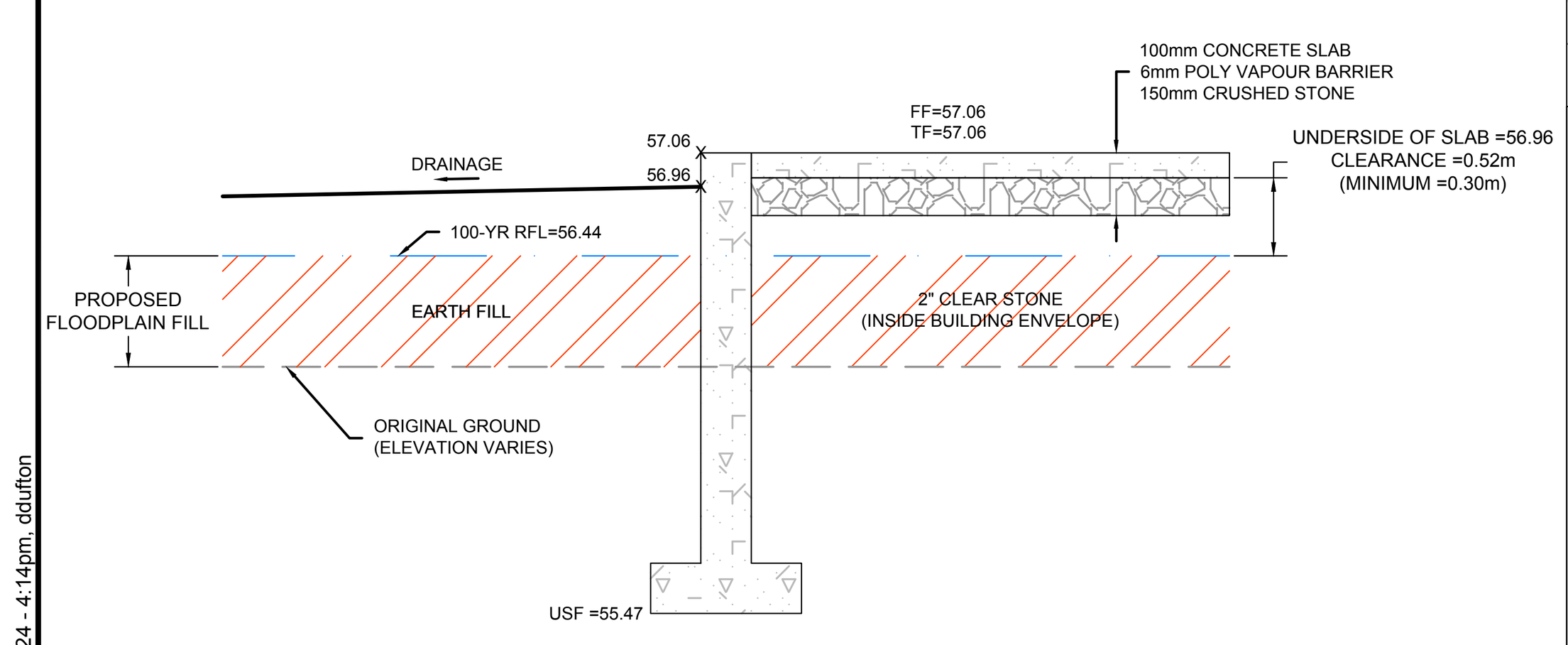
GENERAL NOTES:

1. DIMENSIONS AND LAYOUT INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. THE ORIGINAL TOPOGRAPHY AND GROUND ELEVATIONS, SERVICING AND SURVEY INFORMATION SHOWN ON THIS PLAN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL INFORMATION OBTAINED FROM THIS PLAN.
3. CO-ORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
4. BEFORE COMMENCING CONSTRUCTION, PROVIDE PROOF OF COMPREHENSIVE ALL RISK AND OPERATIONAL LIABILITY INSURANCE INCLUDING BLASTING. INSURANCE POLICY TO NAME THE OWNER, ENGINEER AND THE CITY AS CO-INSURED. AMOUNT OF INSURANCE TO BE SPECIFIED BY OWNER'S AGENT.
5. CONNECT TO EXISTING SYSTEMS AS DETAILED, INCLUDING ALL RESTORATION WORK NECESSARY TO REINSTATE SURFACES TO EXISTING CONDITIONS OR BETTER.
6. DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS.
7. OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS BEFORE COMMENCING CONSTRUCTION.
8. RESTORE ALL TRENCHES AND SURFACE FEATURES TO EXISTING CONDITIONS OR BETTER AND TO THE SATISFACTION OF CITY OF OTTAWA AUTHORITIES.
   - ASPHALT RESTORATION SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA DETAIL R-10.
   - THICKNESS OF GRANULAR MATERIAL AND ASPHALT LAYERS TO MATCH EXISTING.
   - BOULEVARDS SHALL BE REINSTATED WITH 100mm OF TOPSOIL, AND SOD.
9. REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
10. ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
11. REFER TO GEOTECHNICAL INVESTIGATION PG4951-1 (DATED JULY 15, 2019), PREPARED BY PATERSON GROUP FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.
12. PERFORATED PIPE SUB-DRAINS TO BE PROVIDED AT SUBGRADE LEVEL EXTENDING FROM THE ROADSIDE CATCHBASIN FOR A DISTANCE OF 3.0m, PARALLEL TO THE CURB IN TWO DIRECTIONS.

GRADING AND PAVEMENT NOTES:

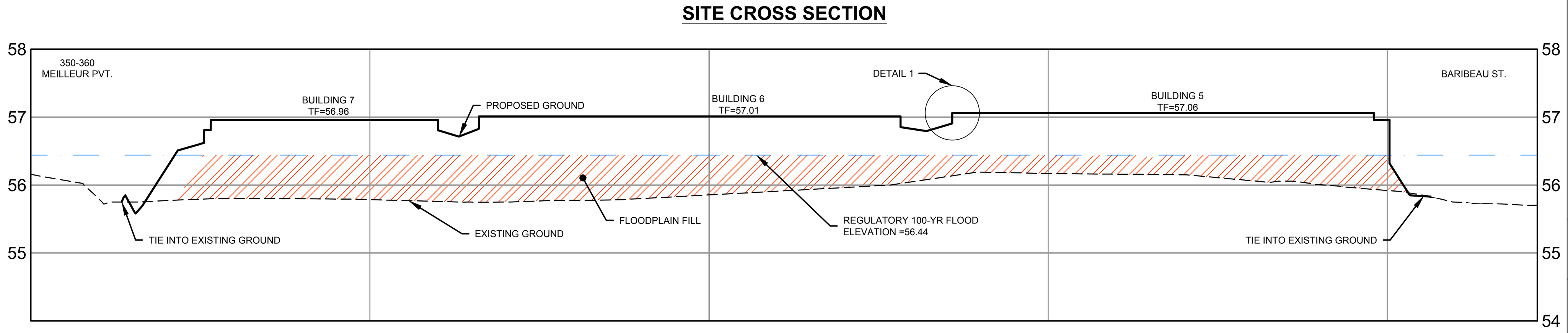
1. ALL TOPSOIL, ORGANIC OR DELETERIOUS MATERIAL MUST BE ENTIRELY REMOVED FROM BENEATH THE PROPOSED HARD SURFACE (ie. PAVEMENT, CURB, SIDEWALK, ETC.) AREAS AS DIRECTED BY THE SITE ENGINEER OR GEOTECHNICAL ENGINEER.
2. EXPOSED SUBGRADES IN PROPOSED PAVED AREAS SHOULD BE HEAVILY PROOF ROLLED WITH A LARGE (10 TON) VIBRATORY STEEL DRUM ROLLER UNDER DRY CONDITIONS AND INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF GRANULARS.
3. ANY SOFT AREAS EVIDENT FROM THE PROOF ROLLING SHOULD BE SUB-EXCAVATED AND REPLACED WITH SUITABLE MATERIAL THAT IS FROST COMPATIBLE WITH THE EXISTING SOILS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
4. THE GRANULAR BASE SHOULD BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE. ANY ADDITIONAL GRANULAR FILL USED BELOW THE PROPOSED PAVEMENT SHOULD BE PLACED IN MAXIMUM 300mm LIFTS AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY VALUE.
5. ROADWAY SUBGRADE TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION TO REVIEW IF A WOVEN GEOTEXTILE IS REQUIRED BELOW THE GRANULAR MATERIALS; AND TO CONFIRM THE DEPTH AND COMPACTION OF GRANULAR 'B'
6. PRIOR TO PLACEMENT OF TOPLIFT, THE CONTRACTOR SHALL ADJUST ALL STRUCTURES TO FINAL GRADE PER CITY OF OTTAWA STANDARDS.
7. MINIMUM OF 2% GRADE FOR ALL GRASS AREAS UNLESS OTHERWISE NOTED.
8. MAXIMUM TERRACING GRADE TO BE 3:1 UNLESS OTHERWISE NOTED.
9. ALL GRADES BY CURBS ARE EDGE OF PAVEMENT GRADES UNLESS OTHERWISE INDICATED.
10. ALL CURBS SHALL BE MOUNTABLE CURB UNLESS OTHERWISE NOTED AND CONSTRUCTED PER CITY OF OTTAWA STANDARD (SC1.3).
11. REFER TO LANDSCAPE PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE DETAILS.

PONDING ID	STRUCTURE	100 YEAR PONDING ELEVATION	100 YEAR PONDING DEPTH (m)	100 YEAR +20% PONDING ELEVATION	100 YEAR +20% PONDING DEPTH (m)	MAX STATIC PONDING ELEVATION	MAX STATIC PONDING DEPTH (m)
P1	CB01	56.47	0.21	56.48	0.22	56.45	0.19
P2	CB02	56.40	0.34	56.43	0.37	56.39	0.33
P3	CB03	56.42	0.35	56.44	0.37	56.41	0.34
P4	CB04	56.36	0.30	56.40	0.34	56.37	0.31
P5	CBMH01	56.73	0.09	56.82	0.18	56.71	0.07
P6	LC01	56.78	0.21	56.83	0.26	56.66	0.09
P7	LC02	56.78	0.20	56.83	0.25	56.69	0.11
P8	LC03	56.85	0.21	56.89	0.25	56.73	0.09
P9	LC04	55.88	0.19	55.97	0.28	55.76	0.07
P10	LC05	55.92	0.13	56.01	0.22	55.89	0.10
P11	LC06	56.90	0.18	56.93	0.21	56.81	0.09
P12	LC07	56.87	0.20	56.91	0.24	56.76	0.09
P13	LC08	56.86	0.21	56.90	0.25	56.74	0.09
P14	LC09	56.85	0.23	56.89	0.27	56.73	0.11
P15	LC10	56.84	0.19	56.87	0.22	56.75	0.10
P16	LC11	56.79	0.16	56.84	0.21	56.71	0.08
P17	LC12	56.85	0.20	56.88	0.23	56.74	0.09
P18	LC13	56.84	0.19	56.86	0.21	56.71	0.06
P19	LC14	56.86	0.19	56.90	0.23	56.76	0.09
P20	RY01	55.56	0.17	55.67	0.28	55.65	0.26
P21	RY02	55.77	0.27	55.87	0.37	55.70	0.20
P22	RY03	55.82	0.23	55.85	0.26	55.75	0.16
P23	RY04	55.58	0.33	55.70	0.45	55.50	0.25
P24	RY05	55.68	0.23	55.86	0.41	55.65	0.20
P25	RY06	55.84	0.29	55.93	0.38	55.75	0.20
P26	RY07	55.87	0.21	55.91	0.25	55.85	0.19



DETAIL 1 - BUILDING 5: FLOOD PROOFING
N.T.S.

SITE CROSS SECTION



SECTION A-A
HORIZONTAL SCALE 1:300
VERTICAL SCALE 1:60

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.

parkriver PROPERTIES

No.	REVISION	DATE	BY
17.	CONCEPT UPDATE	JUN 27/24	MAB
16.	MEILLEUR PVT REAR LOT GRADES ADDED	NOV 30/22	MAB
15.	MINOR UPDATES TO BLOCKS 1-4, 9	NOV 16/22	MAB
14.	USF LOWERED BLOCK 1, 2, 3, 4 & 9	JUL 20/22	MAB
13.	SITE PLAN UPDATE	JUL 15/22	MAB
12.	ISSUED FOR ECA	MAR 24/22	MAB
11.	ISSUED FOR BUILDING PERMIT	MAR 2/22	MAB
10.	CITY SUBMISSION - PARK UPDATE	FEB 15/22	MAB
9.	CITY SUBMISSION	OCT 21/21	MAB
8.	FILL ADJUSTMENT PER RVCA	SEPT 27/21	MAB
7.	CITY SUBMISSION	AUG 3/21	MAB
6.	CITY SUBMISSION	JUN 8/21	MAB
5.	CITY SUBMISSION	FEB 5/21	MAB
4.	STORM OUTLET VIA 127 CARILLION	OCT 23/20	MAB
3.	SITE PLAN APPLICATION	AUG 24/20	MAB
2.	RVCA APPROVAL IN PRINCIPAL APPLICATION	MAY 28/20	MAB
1.	ISSUED FOR RVCA REVIEW	MAR 26/20	MAB

SCALE 1:250
1:250 (0 2 4 6 8 10)

DESIGN	DTD
CHECKED	LRW
DRAWN	DTD
CHECKED	LRW
APPROVED	MAB

FOR REVIEW ONLY

LICENSED PROFESSIONAL ENGINEER
L. R. WILSON
100160065
PROVINCE OF ONTARIO

LICENSED PROFESSIONAL ENGINEER
M.A. BISSETT
2024.06.27
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CITY OF OTTAWA
DOMINION VILLAGE - 200 BARIBEAU STREET

GRADING PLAN

PROJECT No.	119068
REV	REV # 17
DRAWING No.	119068-GR

PLANB1.DWG - 1000mmx707mm

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