LEGEND

- SITE BOUNDARY
- PROPOSED CURB
- (101) PROPOSED SANITARY MANHOLE & SEWER
- (100) PROPOSED STORM MANHOLE & SEWER
- 50mmØ PROPOSED WATERMAIN
- PROPOSED DIRECTION OF FLOW
- V&VB PROPOSED VALVE & VALVE BOX LOCATION
- SP PROPOSED STAND POST LOCATION
- PROPOSED SERVICE LOCATION
  - SAN - 135mmØ PVC DR28 @ 2.0% (1.0% MIN)
  - WATER - 19mmØ PEX
- PROPOSED SERVICE LOCATION C/W SLEEVE
  - SAN - 135mmØ PVC DR28 @ 2.0% (1.0% MIN)
  - WATER - 19mmØ PEX
- 200mmØ EXISTING SANITARY MANHOLE & SEWER
- 250mmØ EXISTING STORM MANHOLE AND SEWER
- EXISTING WATERMAIN
- V&VB EXISTING VALVE AND VALE BOX
- HYD EXISTING FIRE HYDRANT C/W LEAD
- EX.CB EXISTING CATCHBASIN
- PROPOSED ROAD CUT LIMITS

SAN MANHOLE TABLE

MANHOLE ID	SIZE (mm)	T/G ELEV (m)	INVERT (m)
413[2]	1200mmØ	65.14	SW=62.44
415[1]	1200mmØ	64.76	NE=62.02 SW=61.21
417[2]	1200mmØ	64.81	SW=62.10
419[1]	1200mmØ	64.52	NE=61.70 SW=61.03
421[2]	1200mmØ	64.54	S=61.82
423	1200mmØ	64.09	N=61.38 S=60.95

1. MAINTENANCE HOLE TO HAVE EXTERNAL DROP STRUCTURE AS PER OPSD 1003.010
2. MAINTENANCE HOLE FRAME AND COVER TO BE WATERTIGHT, "CAMPRESSION" (4142004IWO1) BY EJ.

STM MANHOLE TABLE

MANHOLE ID	SIZE (mm)	T/G ELEV (m)	INVERT (m)
410	1200mmØ	64.76	SW=62.49 SE=63.45
414	1200mmØ	64.27	S=61.90 E=62.77

CATCHBASIN TABLE

CB ID	SIZE (mm)	T/G ELEV (m)	INVERT (m)	ICD DIA (mm)	100yr CAPTURE RATE (L/s)
CB-2	610 x 610 CB	64.84	W=63.64	LMF 60	3.6
CB-6	610 x 610 CB	64.71	NW=63.51	LMF 105	11.5
CB-8	610 x 610 CB	64.05	W=62.83	83mmØ	16.3
CBMH-7	1,200 mm dia CBMH	64.45	SW=63.25	83mmØ	16.2

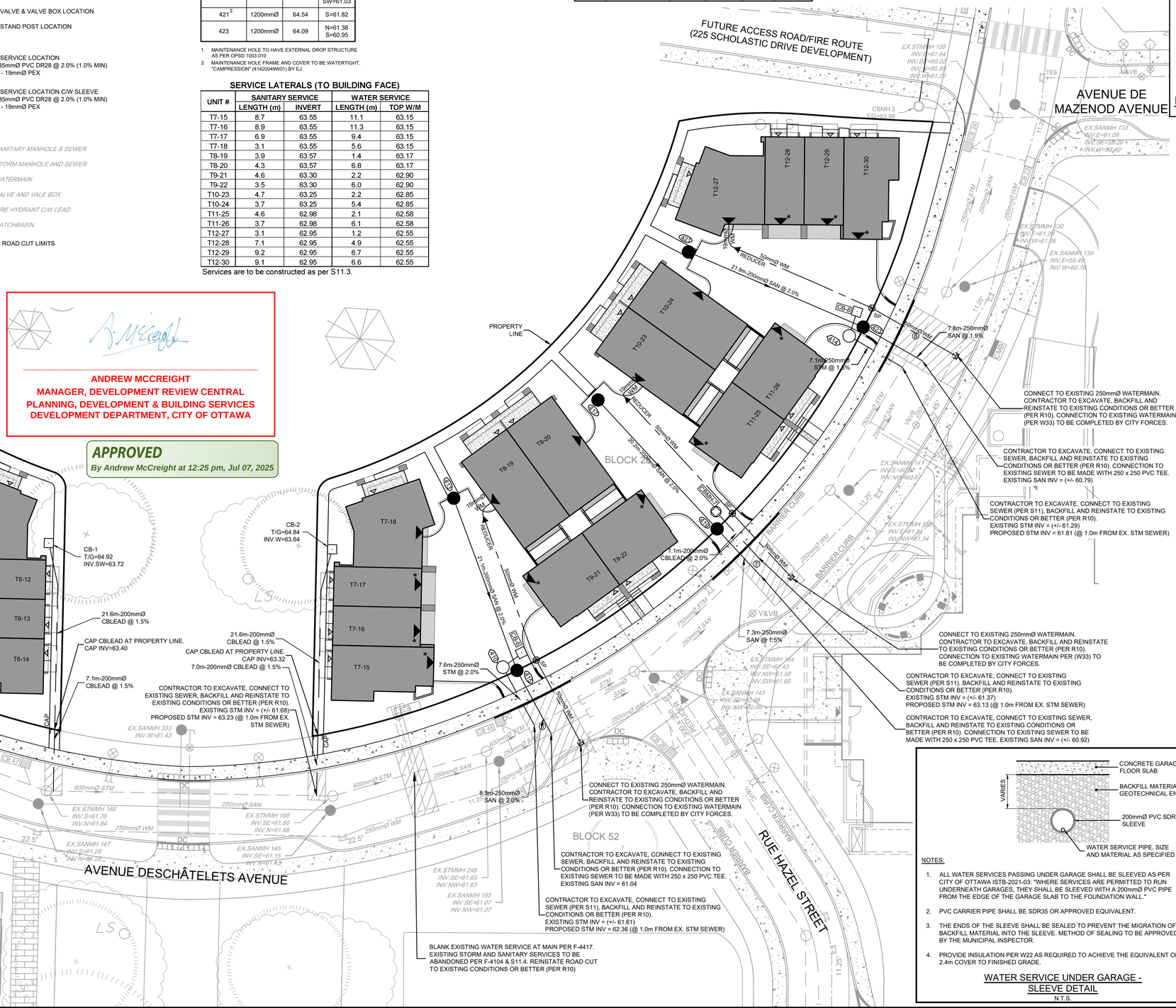
CRITICAL PIPE CROSSING TABLE

			PROPOSED SEPARATION
⑥	250mmØ SANOBV=61.32	600mmØ STM INV=61.61	SAN-STM=0.29m
⑦	250mmØ SAN OBV=61.20	750mmØ STM INV=61.38	SAN-STM=0.18m
⑧	250mmØ SAN OBV=61.07	750mmØ STM INV=61.28	SAN-STM=0.21m

SERVICE LATERALS (TO BUILDING FACE)

UNIT #	SANITARY SERVICE		WATER SERVICE	
	LENGTH (m)	INVERT	LENGTH (m)	TOP W/M
T7-15	8.7	63.55	11.1	63.15
T7-16	8.9	63.55	11.3	63.15
T7-17	6.9	63.55	9.4	63.15
T7-18	3.1	63.55	5.6	63.15
T8-19	3.9	63.57	1.4	63.17
T8-20	4.3	63.57	6.8	63.17
T9-21	4.6	63.30	2.2	62.90
T9-22	3.5	63.30	6.0	62.90
T10-23	4.7	63.25	2.2	62.85
T10-24	3.7	63.25	5.4	62.85
T11-25	4.6	62.98	2.1	62.58
T11-26	3.7	62.98	6.1	62.58
T12-27	3.1	62.95	1.2	62.55
T12-28	7.1	62.95	4.9	62.55
T12-29	9.2	62.95	6.7	62.55
T12-30	9.1	62.95	6.6	62.55

Services are to be constructed as per S11.3.


FUTURE ACCESS ROAD/FIRE ROUTE (225 SCHOLASTIC DRIVE DEVELOPMENT)
AVENUE DE MAZENOD AVENUE
AVENUE DESCHÂTELETS AVENUE
RUE HAZEL STREET
PROPERTY LINE
BLOCK 28
BLOCK 52
T12-27
T12-28
T12-29
T12-30
T10-24
T10-23
T11-26
T11-25
T8-20
T8-19
T9-22
T9-21
T6-11
T6-12
T6-13
T6-14
T7-18
T7-17
T7-16
T7-15
CB-1 T/G=64.92 INV.SW=63.72
CB-2 T/G=64.84 INV.W=63.64
CBMH 2 T/G=63.98
21.6m-200mmØ CBLEAD @ 1.5%
CAP CBLEAD AT PROPERTY LINE. CAP INV=63.40
7.1m-200mmØ CBLEAD @ 1.5%
21.6m-200mmØ CBLEAD @ 1.5%
CAP CBLEAD AT PROPERTY LINE. CAP INV=63.32
7.0m-200mmØ CBLEAD @ 1.5%
7.6m-250mmØ STM @ 2.0%
21.9m-200mmØ SAN @ 2.0%
7.1m-250mmØ STM @ 1.5%
7.8m-250mmØ SAN @ 1.9%
7.1m-200mmØ CBLEAD @ 2.0%
7.3m-250mmØ SAN @ 1.5%
8.3m-250mmØ SAN @ 2.0%
REDUCER
50mmØ WM
19mmØ WM
CONTRACTOR TO EXCAVATE, CONNECT TO EXISTING SEWER, BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). EXISTING STM INV = (+/- 61.68) PROPOSED STM INV = 63.23 (@ 1.0m FROM EX. STM SEWER)
CONNECT TO EXISTING 250mmØ WATERMAIN. CONTRACTOR TO EXCAVATE, BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). CONNECTION TO EXISTING WATERMAIN (PER W33) TO BE COMPLETED BY CITY FORCES.
CONTRACTOR TO EXCAVATE, CONNECT TO EXISTING SEWER, BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). EXISTING SAN INV = 61.04
CONTRACTOR TO EXCAVATE, CONNECT TO EXISTING SEWER (PER S11), BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). EXISTING STM INV = (+/- 61.61) PROPOSED STM INV = 62.36 (@ 1.0m FROM EX. STM SEWER)
BLANK EXISTING WATER SERVICE AT MAIN PER F-4417. EXISTING STORM AND SANITARY SERVICES TO BE ABANDONED PER F-4104 & S11.4. REINSTATE ROAD CUT TO EXISTING CONDITIONS OR BETTER (PER R10)
CONNECT TO EXISTING 250mmØ WATERMAIN. CONTRACTOR TO EXCAVATE, BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). CONNECTION TO EXISTING WATERMAIN (PER W33) TO BE COMPLETED BY CITY FORCES.
CONTRACTOR TO EXCAVATE, CONNECT TO EXISTING SEWER, BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). EXISTING STM INV = (+/- 61.29) PROPOSED STM INV = 61.81 (@ 1.0m FROM EX. STM SEWER)
CONTRACTOR TO EXCAVATE, CONNECT TO EXISTING SEWER (PER S11), BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). EXISTING STM INV = (+/- 61.37) PROPOSED STM INV = 63.13 (@ 1.0m FROM EX. STM SEWER)
CONTRACTOR TO EXCAVATE, CONNECT TO EXISTING SEWER, BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). CONNECTION TO EXISTING SEWER TO BE MADE WITH 250 x 250 PVC TEE. EXISTING SAN INV = (+/- 60.92)
CONNECT TO EXISTING 250mmØ WATERMAIN. CONTRACTOR TO EXCAVATE, BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). CONNECTION TO EXISTING WATERMAIN (PER W33) TO BE COMPLETED BY CITY FORCES.
CONTRACTOR TO EXCAVATE, CONNECT TO EXISTING SEWER, BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). CONNECTION TO EXISTING SEWER TO BE MADE WITH 250 x 250 PVC TEE. EXISTING SAN INV = (+/- 60.79)
CONTRACTOR TO EXCAVATE. CONNECT TO EXISTING SEWER (PER S11), BACKFILL AND REINSTATE TO EXISTING CONDITIONS OR BETTER (PER R10). EXISTING STM INV = (+/- 61.29) PROPOSED STM INV = 61.81 (@ 1.0m FROM EX. STM SEWER)
EX.SANMH 333 INV.W=61.43
EX.STMMH 168 INV.S=61.76 INV.N=61.84
EX.SANMH 147 INV.S=61.28 INV.N=61.28
EX.STMMH 166 INV.SE=61.68 INV.N=61.68
EX.SANMH 145 INV.SE=61.15 INV.N=61.43
EX.STMMH 248 INV.SE=61.63 INV.NW=61.63
EX.SANMH 193 INV.SE=61.07 INV.NW=61.07
EX.STMMH 128 INV.E=61.64 INV.SE=60.02 INV.E=60.69 INV.W=61.20
EX.SANMH 133 INV.E=61.09 INV.SE=58.28 INV.W=60.40
EX.STMMH 130 INV.E=61.26 INV.W=61.26
EX.SANMH 139 INV.E=58.43 INV.W=60.70
EX.SANMH 141 INV.E=60.67 INV.NW=60.67
EX.STMMH 164 INV.SE=61.43 INV.NW=61.58 INV.SW=61.95
EX.SANMH 143 INV.SE=60.80 INV.NW=60.80
EX.STMMH 165 INV.E=61.34 INV.NW=61.34
CB 47
CB 35
CB 36
CB 37
CB 38
CB 39
CB 40
CB 41
CB 42
CB 43
CB 44
CB 45
CB 46
CB 48
CB 49
CB 50
CB 51
CB 52
CB 53
CB 54
CB 55
CB 56
CB 57
CB 58
CB 59
CB 60
CB 61
CB 62
CB 63
CB 64
CB 65
CB 66
CB 67
CB