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Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCH BASIN
- ALL CATCH BASINS TO BE CONNECTED TO INTERNAL PLUMBING AND DRAIN TO EXTERIOR STORM WATER MANAGEMENT TANKS.
- PROPOSED DITCH INLET CATCHBASIN
- PROPOSED SUBDRAIN CATCHBASIN
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING REDUCER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN MANHOLE
- EXISTING CATCHBASIN
- EXISTING SUBDRAIN CATCHBASIN
- EXISTING SWALE
- PROPOSED DEPRESSED CURB LOCATIONS
- PROPOSED MOUNTABLE/BARRIER CURB LOCATION
- THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 1.5M. THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4M AS PER WZZ.
- WATER METER
- REMOTE WATER METER
- PROPOSED COMMUNITY MAILBOX LOCATIONS
- PROPOSED SCUPPER LOCATIONS

NOTES:

- UNDERGROUND PARKING RAMP TRENCH DRAINS TO BE CONVEYED THROUGH BUILDING AND OUTLET INTO EXTERNAL UNDERGROUND STORM WATER MANAGEMENT STORAGE TANKS.
- ALL SURFACE CATCH BASINS INSTALLED ON TOP OF UNDERGROUND PARKING STRUCTURE TO BE CONVEYED THROUGH BUILDING AND OUTLET INTO EXTERNAL UNDERGROUND STORM WATER MANAGEMENT STORAGE TANKS.
- PROPOSED FIRE HYDRANT TO BE SERVICED THROUGH BUILDINGS INTERNAL PLUMBING.
- INTERNAL GARAGE DRAINS TO BE CONNECTED TO THE SANITARY SEWER.

Revision	By	Appd.	YY.MM.DD
3	MJS	TR	21.09.02
2	MJS	DT	21.08.03
1	MJS	DT	20.05.22

File Name: 16401511-08 MJS DT MJS 19.09.05
Dwn. Chkd. Dgn. YY.MM.DD

Permit-Seal



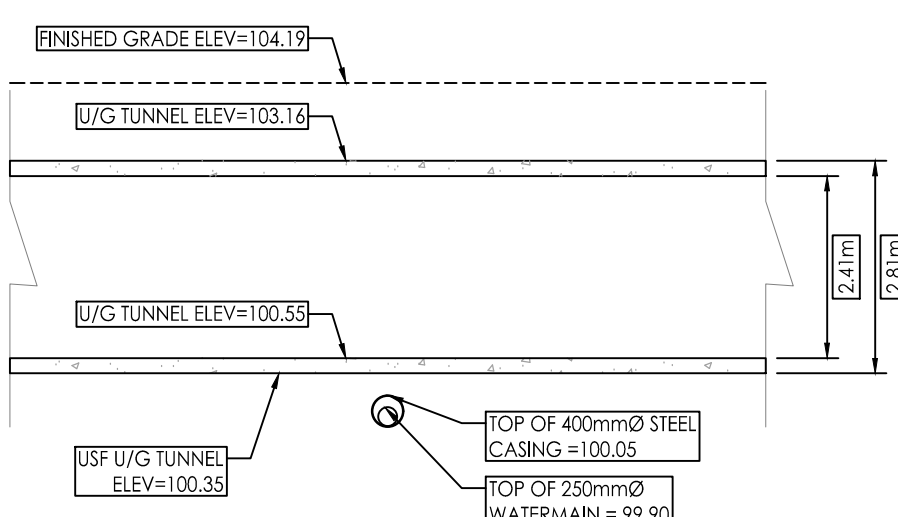
Client/Project
NAUTICAL LANDS GROUP
2962 Carp Road
WELLINGS OF STITTSVILLE PH 2
20 CEDAROW COURT
OTTAWA, ON

Title
SITE SERVICING PLAN

Project No.	Scale	Sheet	Revision
16401511	1:500		
Drawing No.			

SCHEDULE OF ROOF RELEASE RATES

ROOF	DRAIN TYPE	NUMBER OF DRAINS	DEPTH (m)	HEAD (m)	DISCHARGE (L/S)	VOLUME REQUIRED (m ³)	VOLUME AVAILABLE (m ³)
1 + 2	WATTS ACCUEFLOW (CLOSED)	14	134.13	0.13	8.83	27.96	38.16
3	WATTS ACCUEFLOW (25% OPEN)	8	141.21	0.14	7.35	37.41	43.92
4	WATTS ACCUEFLOW (25% OPEN)	3	138.17	0.14	2.73	11.27	14.08
5	WATTS ACCUEFLOW (25% OPEN)	8	141.21	0.14	7.35	37.41	43.92
6 + 7	WATTS ACCUEFLOW (CLOSED)	14	134.16	0.13	8.83	28.00	38.20
8	WATTS ACCUEFLOW (25% OPEN)	2	116.66	0.12	1.68	1.88	3.88
9	WATTS ACCUEFLOW (25% OPEN)	2	100.15	0.10	1.58	0.63	2.12
10	WATTS ACCUEFLOW (25% OPEN)	21	140.64	0.14	19.25	94.68	112.40
11	WATTS ACCUEFLOW (25% OPEN)	2	119.70	0.12	1.70	2.20	4.24
12	WATTS ACCUEFLOW (25% OPEN)	2	117.51	0.12	1.69	1.98	4.00



250mm Ø WATERMAIN DEFLECTION UNDER U/G TUNNEL

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+00	104.30	101.942	CONNECT TO EX. 250mmØ WATERMAIN WITH 45° VERTICAL BEND
0+02	104.37	99.900	45° VERTICAL BEND
0+02.75	104.35	99.900	START OF 400mmØ STEEL SLEEVE
0+04.25	104.31	99.900	END OF 400mmØ STEEL SLEEVE
0+07	104.20	99.900	45° VERTICAL BEND
0+09	104.16	101.786	CONNECT TO EX. 250mmØ WATERMAIN WITH 45° VERTICAL BEND

Phase 2/3 - Unit Count

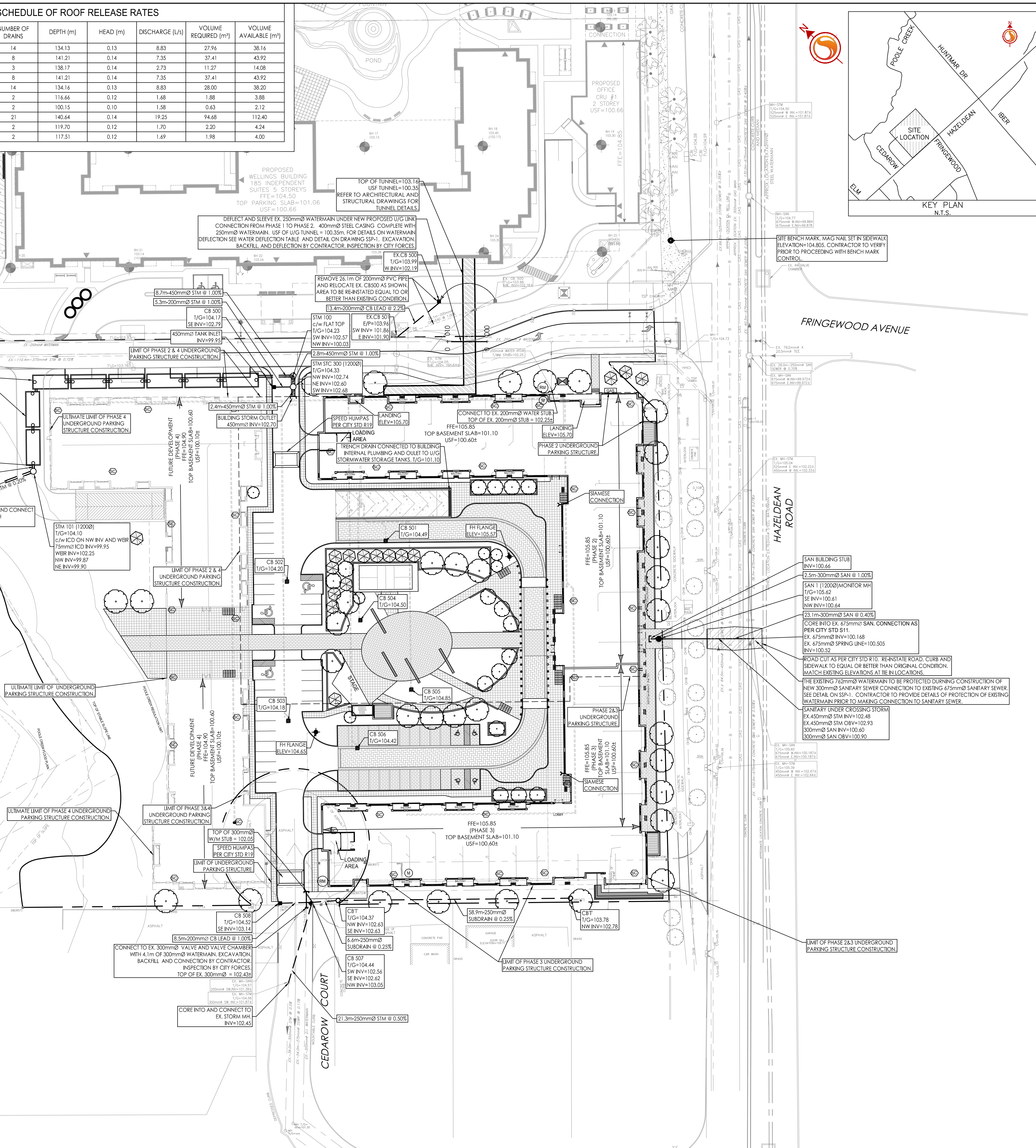
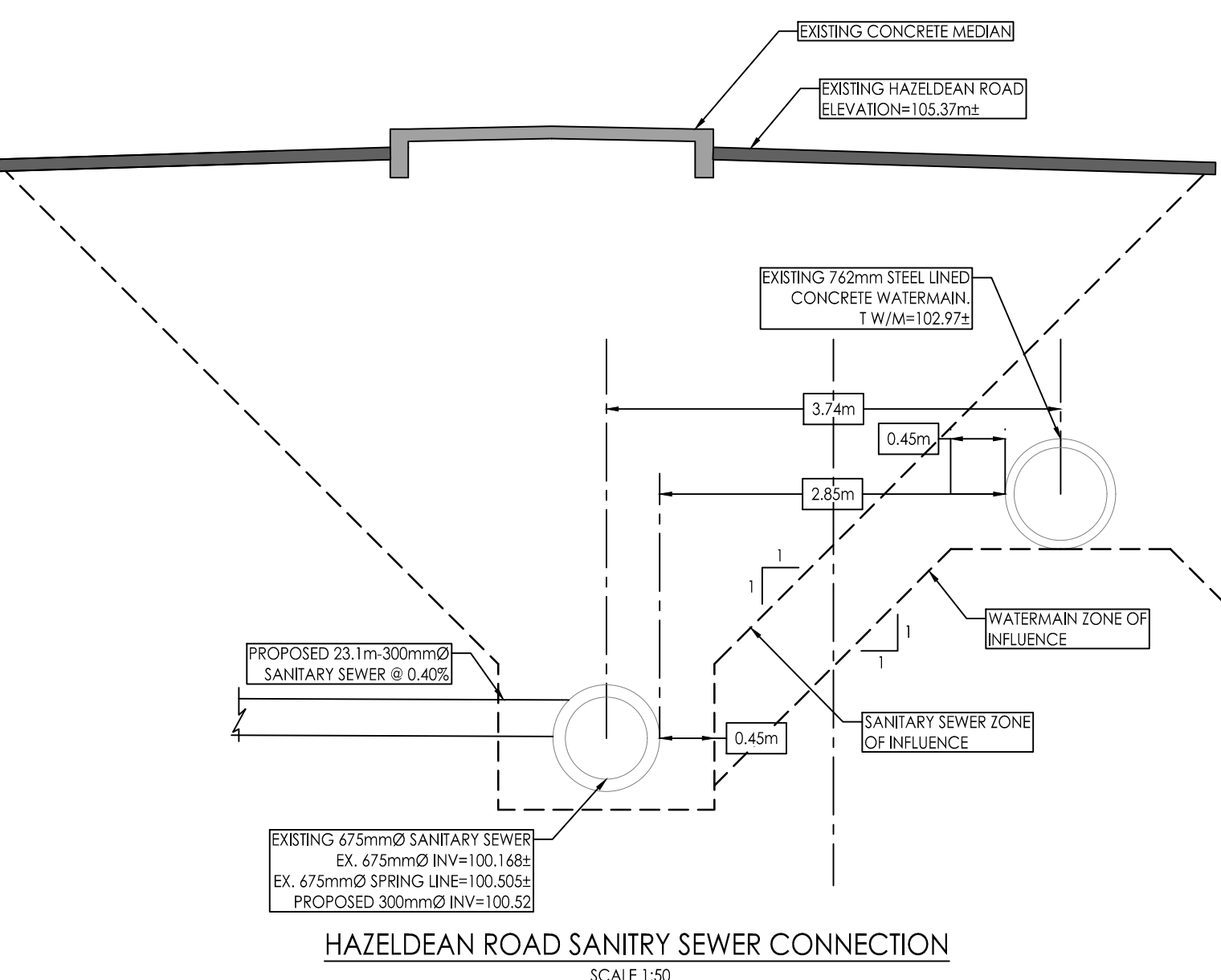
LEVEL	1 BD	1 BD + D	2 BD	2 BD + D	Total
LEVEL 01	22	2	2	-	26
LEVEL 02	41	3	12	2	58
LEVEL 03	41	3	12	2	58
LEVEL 04	43	3	10	2	58
LEVEL 05	48	-	8	2	58
LEVEL 06	12	4	10	0	26
Total:	218	4	54	8	284

Phase 4 - Unit Count

LEVEL	1 BD	1 BD + D	2 BD	Total
LEVEL 01	23	3	4	30
LEVEL 02	17	8	7	32
LEVEL 03	20	8	8	36
LEVEL 04	20	8	8	36
LEVEL 05	20	8	8	36
LEVEL 06	13	6	11	30
Total:	113	41	46	200

CITY OF OTTAWA GROSS FLOOR AREAS & AMENITY AREAS

LEVEL	Area	City GFA	Amenity Area	Communal Amenity Area	Commercial
LEVEL 01	3682 m ²	3682 m ²	0 m ²	0 m ²	0 m ²
LEVEL 01	299 m ²	0 m ²	299 m ²	0 m ²	0 m ²
LEVEL 01	3629 m ²	0 m ²	3629 m ²	0 m ²	0 m ²
LEVEL 01	983 m ²	0 m ²	0 m ²	983 m ²	0 m ²
LEVEL 02	6058 m ²	0 m ²	0 m ²	0 m ²	0 m ²
LEVEL 02	473 m ²	0 m ²	473 m ²	0 m ²	0 m ²
LEVEL 02	194 m ²	0 m ²	0 m ²	194 m ²	0 m ²
LEVEL 03	6207 m ²	0 m ²	0 m ²	0 m ²	0 m ²
LEVEL 03	496 m ²	0 m ²	496 m ²	0 m ²	0 m ²
LEVEL 03	165 m ²	0 m ²	0 m ²	165 m ²	0 m ²
LEVEL 04	6148 m ²	0 m ²	0 m ²	0 m ²	0 m ²
LEVEL 04	538 m ²	0 m ²	538 m ²	0 m ²	0 m ²
LEVEL 04	165 m ²	0 m ²	0 m ²	165 m ²	0 m ²
LEVEL 05	5874 m ²	0 m ²	0 m ²	0 m ²	0 m ²
LEVEL 05	597 m ²	0 m ²	597 m ²	0 m ²	0 m ²
LEVEL 05	165 m ²	0 m ²	0 m ²	165 m ²	0 m ²
LEVEL 06	3877 m ²	0 m ²	0 m ²	0 m ²	0 m ²
LEVEL 06	563 m ²	0 m ²	563 m ²	0 m ²	0 m ²
LEVEL 06	480 m ²	0 m ²	0 m ²	480 m ²	0 m ²
Grand total	40589 m²	31843 m²	2966 m²	4797 m²	983 m²



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