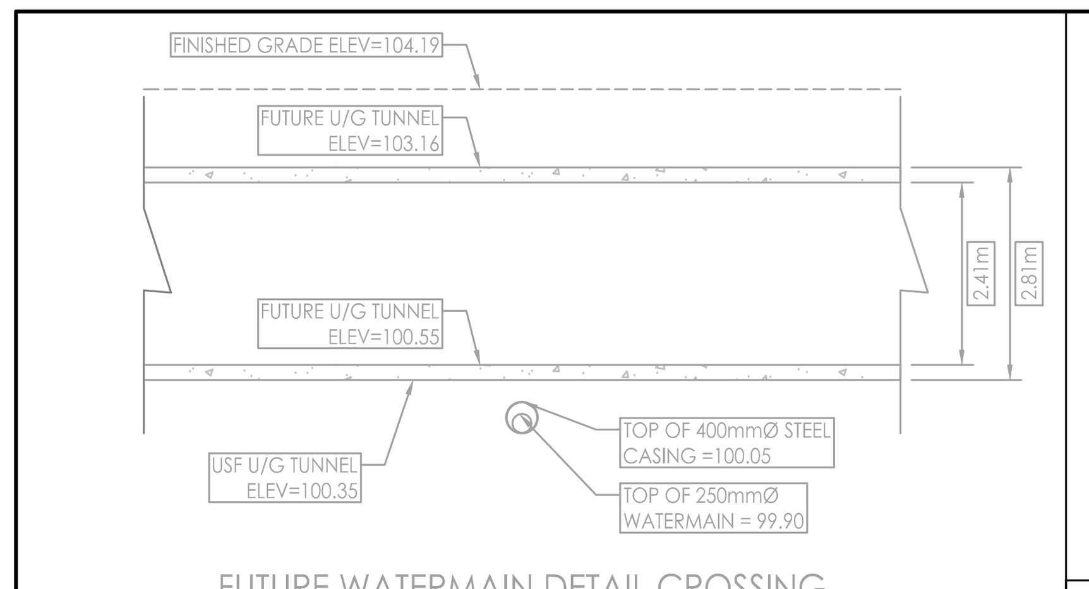


FUTURE WATERMAIN DETAIL CROSSING UNDER FUTURE TUNNEL LINK CONNECTION

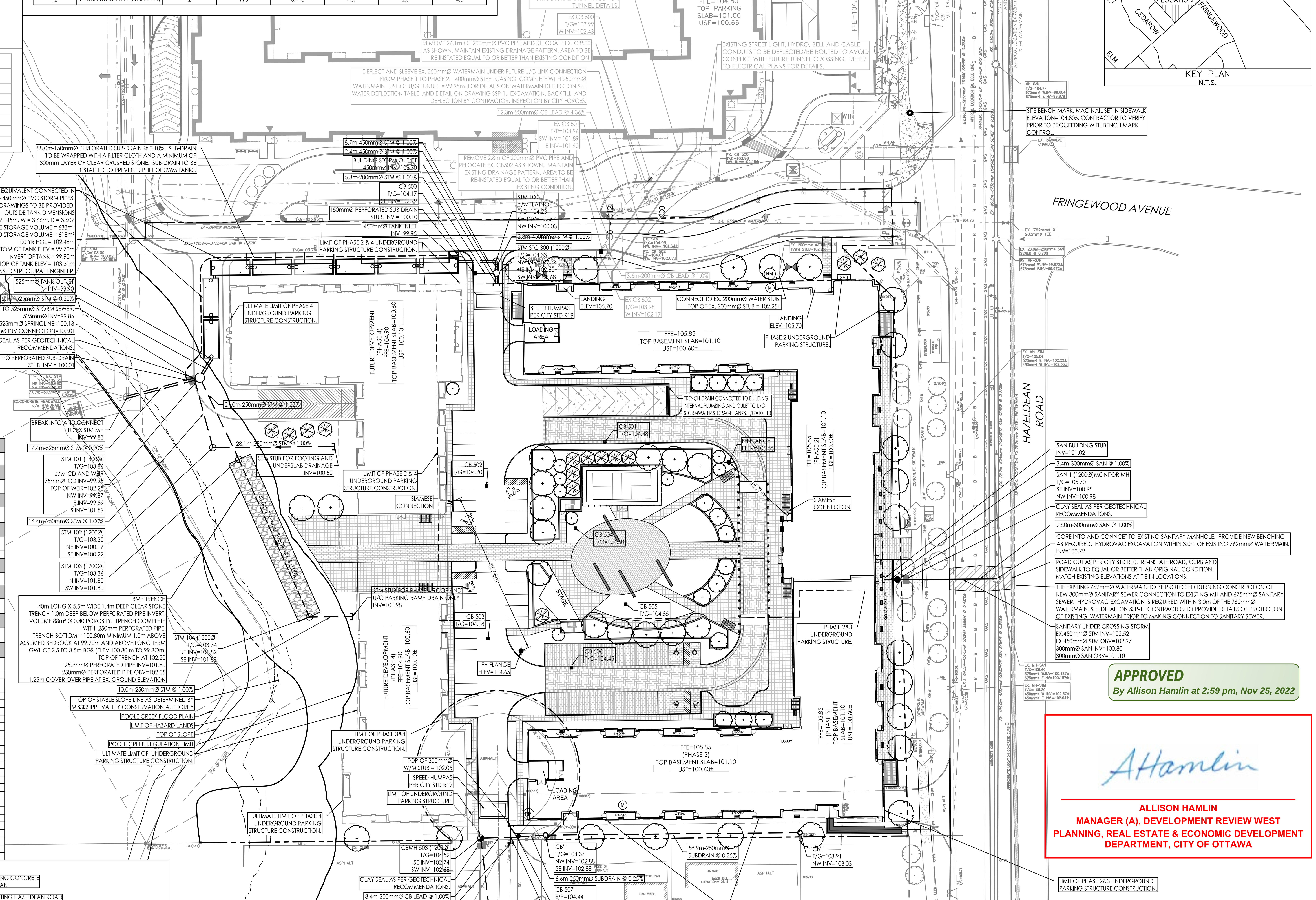
SCALE 1:100

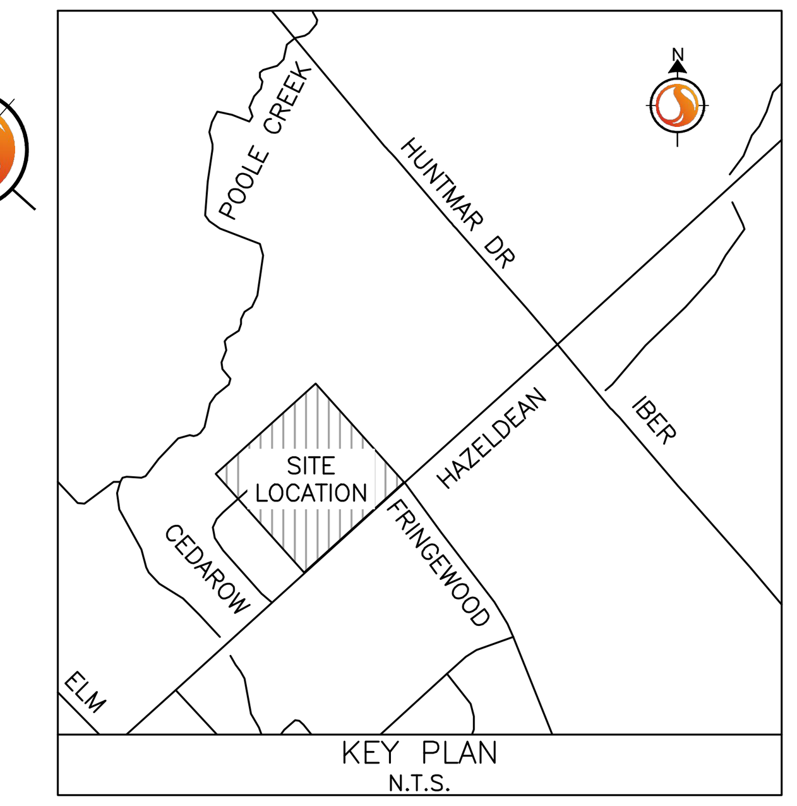
SCHEDULE OF ROOF RELEASE RATES

ROOF	DRAIN TYPE	NUMBER OF DRAINS	DEPTH (m)	HEAD (m)	DISCHARGE (L/s)	VOLUME REQUIRED (m³)	VOLUME AVAILABLE (m³)
1 + 2	WATTS ACCUFLOW (50% OPEN)	7	136	0.136	8.21	29.1	38.2
3	WATTS ACCUFLOW (100% OPEN)	4	142	0.142	7.16	37.9	43.9
4	WATTS ACCUFLOW (CLOSED)	5	135	0.135	3.15	10.5	14.1
5	WATTS ACCUFLOW (100% OPEN)	4	142	0.142	7.16	37.9	43.9
6 + 7	WATTS ACCUFLOW (50% OPEN)	7	136	0.136	8.21	29.1	38.2
8	WATTS ACCUFLOW (25% OPEN)	2	117	0.117	1.68	1.9	3.9
9	WATTS ACCUFLOW (25% OPEN)	2	100	0.100	1.58	0.6	2.1
10	WATTS ACCUFLOW (25% OPEN)	21	141	0.141	19.25	94.7	112.4
11	WATTS ACCUFLOW (25% OPEN)	2	120	0.120	1.70	2.2	4.2
12	WATTS ACCUFLOW (25% OPEN)	2	118	0.118	1.69	2.0	4.0

250mm Ø WATERMAIN DEFLECTION UNDER FUTURE U/G TUNNEL

STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	104.08	101.68±	CONNECT TO EX.250mmØ WATERMAIN WITH 45° VERTICAL BEND
0+002.5	104.06	99.450	45° VERTICAL BEND
0+002.75	104.06	99.450	START OF 400mmØ STEEL SLEEVE
0+009.25	104.00	99.450	END OF 400mmØ STEEL SLEEVE
0+009.5	104.00	99.450	45° VERTICAL BEND
0+009	103.95	101.55±	CONNECT TO EX.250mmØ WATERMAIN WITH 45° VERTICAL BEND





KEY PLAN
N.T.S.

Phase 2/3 - Unit Count	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 4	43	3	10	2	58
LEVEL 05	48	-	8	2	58
LEVEL 06	12	4	10	0	26
Total:	**218**	**4**	**54**	**8**	**284**

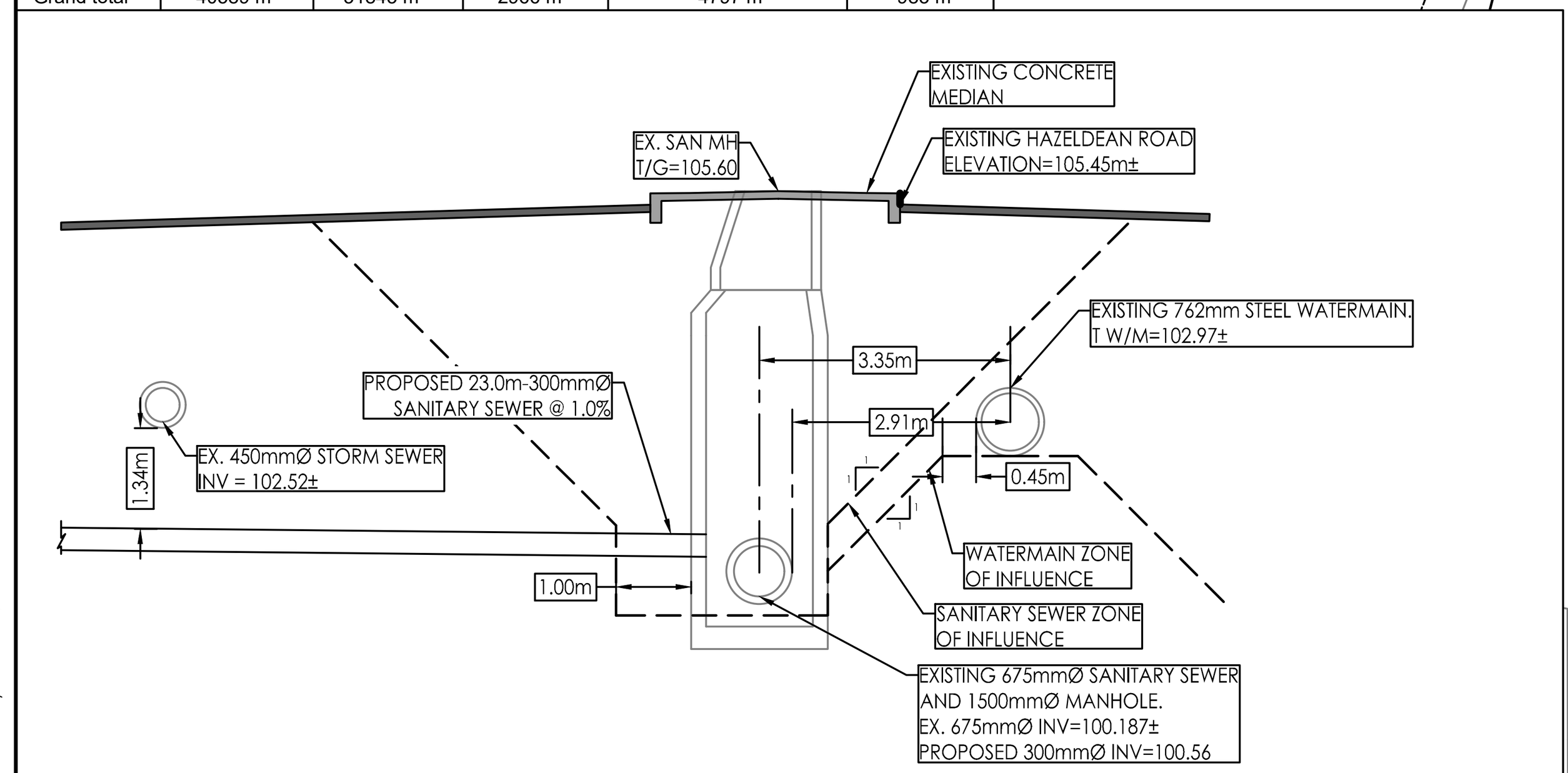
END

Phase 4 - Unit Count	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**

END

CITY OF OTTAWA GROSS FLOOR AREAS & AMENITY AREAS

LEVEL	Area	City GFA	Amenity Area	Communal Amenity Area	Commercial
LEVEL 01	3682 m²	3682 m²	0 m²	0 m²	0 m²
LEVEL 01	299 m²	0 m²	299 m²	0 m²	0 m²
LEVEL 01	3629 m²	0 m²	0 m²	3629 m²	0 m²
LEVEL 01	983 m²	0 m²	0 m²	0 m²	983 m²
LEVEL 02	6058 m²	6058 m²	0 m²	0 m²	0 m²
LEVEL 02	473 m²	0 m²	473 m²	0 m²	0 m²
LEVEL 02	194 m²	0 m²	0 m²	194 m²	0 m²
LEVEL 03	6207 m²	6207 m²	0 m²	0 m²	0 m²
LEVEL 03	496 m²	0 m²	496 m²	0 m²	0 m²
LEVEL 03	165 m²	0 m²	0 m²	165 m²	0 m²
LEVEL 04	6146 m²	6146 m²	0 m²	0 m²	0 m²
LEVEL 04	538 m²	0 m²	538 m²	0 m²	0 m²
LEVEL 04	165 m²	0 m²	0 m²	165 m²	0 m²
LEVEL 05	5874 m²	5874 m²	0 m²	0 m²	0 m²
LEVEL 05	597 m²	0 m²	597 m²	0 m²	0 m²
LEVEL 05	165 m²	0 m²	0 m²	165 m²	0 m²
LEVEL 06	3877 m²	3877 m²	0 m²	0 m²	0 m²
LEVEL 06	563 m²	0 m²	563 m²	0 m²	0 m²
LEVEL 06	480 m²	0 m²	0 m²	480 m²	0 m²
Grand total	40589 m²	31843 m²	2966 m²	4797 m²	983 m²



HAZELDEAN ROAD SANITRY SEWER CONNECTION

SCALE 1:100

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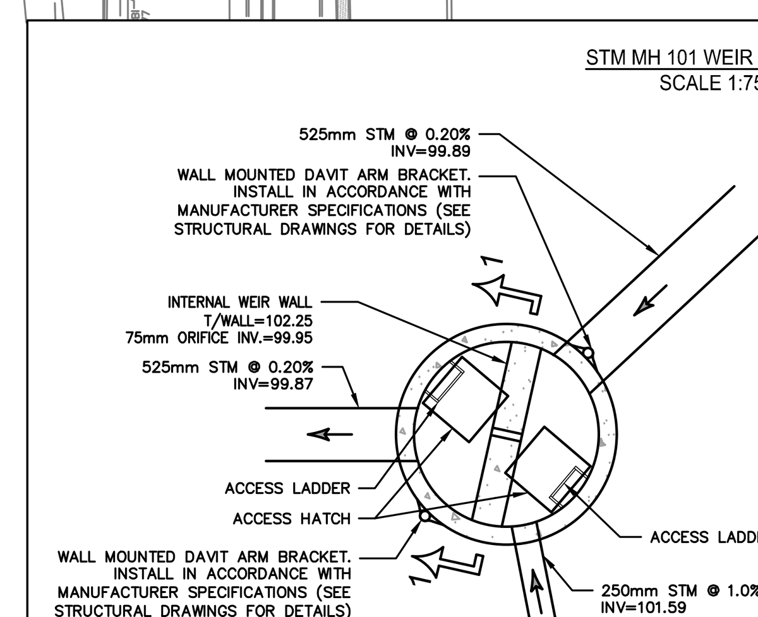
2022/07/14 1:49 PM By: Thiffault, Dustin

ORIGINAL SHEET - ARCH D

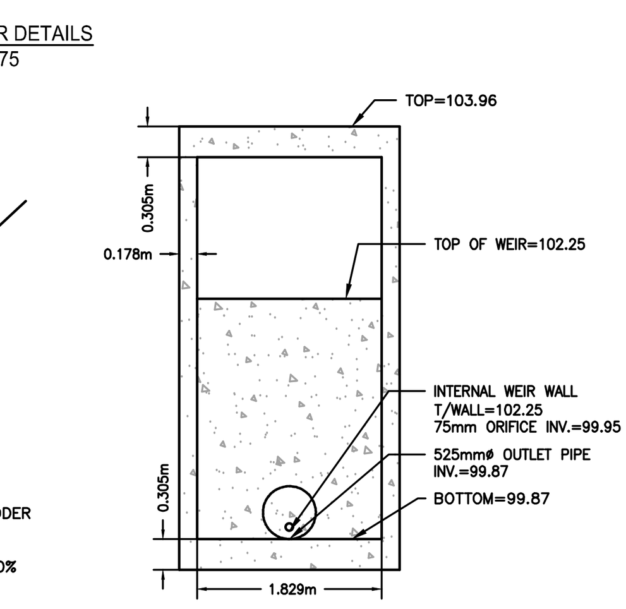
STM MH 101 WEIR DETAILS

SCALE 1:75



PLAN VIEW OUTLET STRUCTURE (STM MH 101)

TYPICAL 1800mmø MAINTENANCE HOLE WITH TWIN INLET FLAT CAP AS PER MCON STD



FRONT VIEW OUTLET STRUCTURE (STM MH 101)

SECTION 1-1

Stantec

Stantec Consulting Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com

Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- 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
- DC — PROPOSED DEPRESSED CURB LOCATIONS
- BARRIER / MOUNTABLE — 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 W22.
- (M) WATER METER
- (RM) REMOTE WATER METER

NOTES:

1. UNDERGROUND PARKING RAMP TRENCH DRAINS TO BE CONVEYED THROUGH BUILDING AND OUTLET INTO EXTERNAL UNDERGROUND STORM WATER MANAGEMENT STORAGE TANKS.
2. 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.
3. PROPOSED FIRE HYDRANT TO BE SERVICED THROUGH BUILDINGS INTERNAL PLUMBING.
4. ALL CATCHBASINS AND FIRE HYDRANTS INSTALLED ON TOP OF PARKING GARAGE STRUCTURE ARE TO BE INSTALLED BY OTHERS.
5. INTERNAL GARAGE DRAINS TO BE CONNECTED TO THE SANITARY SEWER.
6. AT THE COMPLETION OF CONSTRUCTION A WATER SYSTEM PRESSURE CHECK IS REQUIRED TO BE COMPLETED TO DETERMINE IF PRESSURE CONTROL DEVICES ARE REQUIRED.

APPROVED
By Allison Hamlin at 2:59 pm, Nov 25, 2022

AHamlin

ALLISON HAMLIN
MANAGER (A), DEVELOPMENT REVIEW WEST
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

		By	Appd.	YY.MM.DD
5	REVISED AS PER CITY COMMENTS	MJS	DT	22.07.14
4	REVISED AS PER CITY COMMENTS	MJS	DT	22.03.29
3	REVISED AS PER CITY COMMENTS	MJS	TR	21.09.02
2	ISSUED FOR GEOTECH REVIEW	MJS	DT	21.08.03
1	ISSUED TO CITY FOR SPA	MJS	DT	20.05.22

Revision

File Name: 160401511-DB	MJS	DT	MJS	19.09.05
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
D. C. THIFFAULT
100186107
2022-07-14
PROVINCE OF ONTARIO

Client/Project

NAUTICAL LANDS GROUP
2962 Carp Road

WELLINGS OF STITTSVILLE PH 2
20 CEDAROW COURT
OTTAWA, ON

Title

SITE SERVICING PLAN

Project No. 160401511

Scale 1:500 (0 5 15 25m)

Drawing No. SSP-1

Sheet 3 of 7

Revision 5

PLAN No. 18190

D07-12-19-0189