STORM STRUCTURE TABLE

STRUCTURE ID	TOP OF GRATE	INVERT				DESCRIPTION			HEAD (m)	FLOW (l/s)	ICD TYPE
		INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER			
CBMH01	58.27	54.190	55.900	55.900	53.370	1200mm DIA.	OPSD 701.010	S28.1	2.105	20.2	HYDROVEX 125-VHV-2
STMH02	58.23			53.360	53.340	STORMCEPTOR EFO4					
STMH03	58.14			54.650	54.130	1200mm DIA.	OPSD 701.010	S28.1			

SAN STRUCTURE TABLE

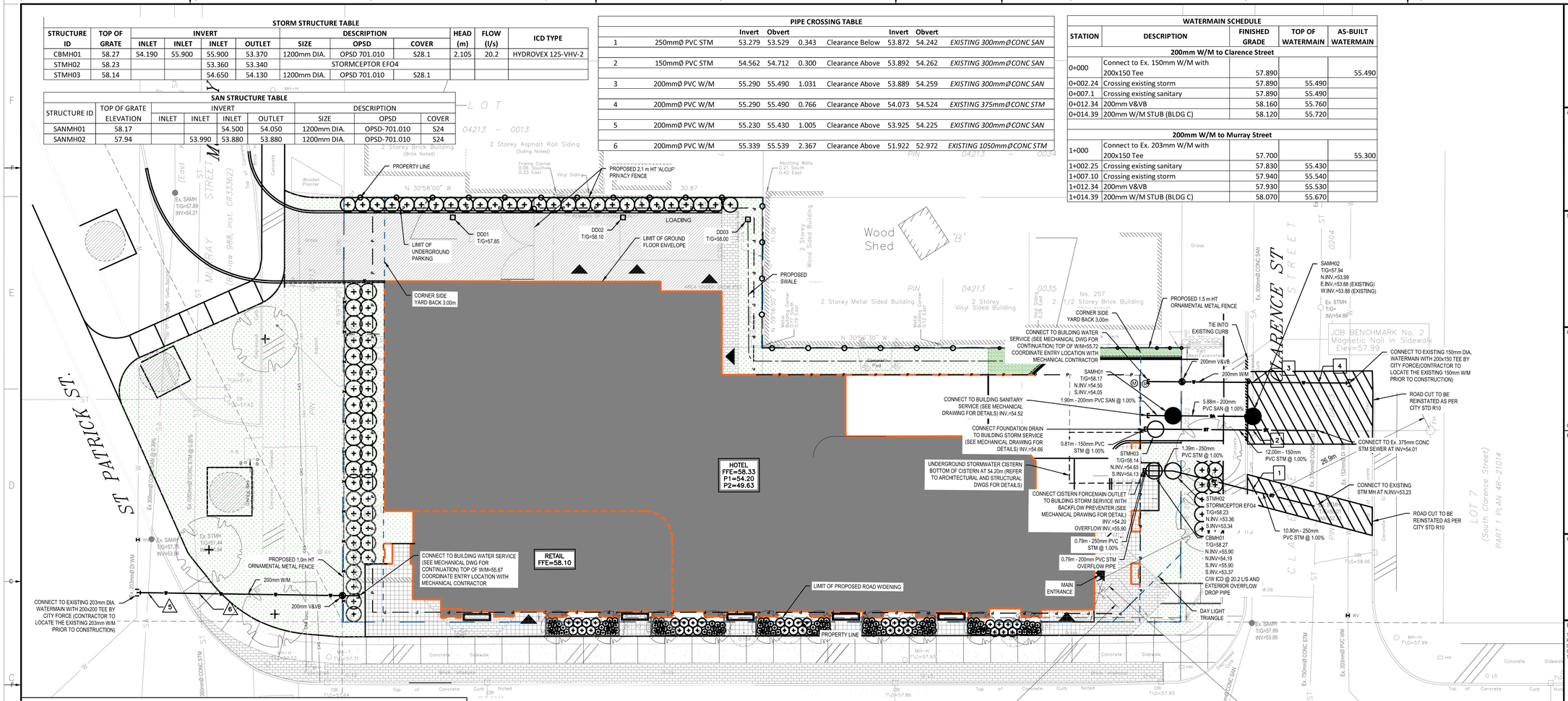
STRUCTURE ID	TOP OF GRATE ELEVATION	INVERT				DESCRIPTION		
		INLET	INLET	INLET	OUTLET	SIZE	OPSD	COVER
SANMH01	58.17			54.500	54.050	1200mm DIA.	OPSD-701.010	S24
SANMH02	57.94		53.990	53.880	53.880	1200mm DIA.	OPSD-701.010	S24

PIPE CROSSING TABLE

		Invert	Obvert			Invert	Obvert	
1	250mmØ PVC STM	53.279	53.529	0.343	Clearance Below	53.872	54.242	*EXISTING 300mmØ CONC SAN*
2	150mmØ PVC STM	54.562	54.712	0.300	Clearance Above	53.892	54.262	*EXISTING 300mmØ CONC SAN*
3	200mmØ PVC W/M	55.290	55.490	1.031	Clearance Above	53.889	54.259	*EXISTING 300mmØ CONC SAN*
4	200mmØ PVC W/M	55.290	55.490	0.766	Clearance Above	54.073	54.524	*EXISTING 375mmØ CONC STM*
5	200mmØ PVC W/M	55.230	55.430	1.005	Clearance Above	53.925	54.225	*EXISTING 300mmØ CONC SAN*
6	200mmØ PVC W/M	55.339	55.539	2.367	Clearance Above	51.922	52.972	*EXISTING 1050mmØ CONC STM*

WATERMAIN SCHEDULE

STATION	DESCRIPTION	FINISHED GRADE	TOP OF WATERMAIN	AS-BUILT WATERMAIN
	200mm W/M to Clarence Street			
0+000	Connect to Ex. 150mm W/M with 200x150 Tee	57.890		55.490
0+002.24	Crossing existing storm	57.890	55.490	
0+007.1	Crossing existing sanitary	57.890	55.490	
0+012.34	200mm V&VB	58.160	55.760	
0+014.39	200mm W/M STUB (BLDG C)	58.120	55.720	
	200mm W/M to Murray Street			
1+000	Connect to Ex. 203mm W/M with 200x150 Tee	57.700		55.300
1+002.25	Crossing existing sanitary	57.830	55.430	
1+007.10	Crossing existing storm	57.940	55.540	
1+012.34	200mm V&VB	57.930	55.530	
1+014.39	200mm W/M STUB (BLDG C)	58.070	55.670	


ST PATRICK ST.
CLARENCE ST
KING EDWARD AVENUE
HOTEL FFE=58.33 P1=54.20 P2=49.63
RETAIL FFE=58.10
PROPERTY LINE
LIMIT OF UNDERGROUND PARKING
LIMIT OF GROUND FLOOR ENVELOPE
LIMIT OF PROPOSED ROAD WIDENING
PROPOSED SWALE
PROPOSED 2.1 m HT 'ALCUP' PRIVACY FENCE
PROPOSED 1.5 m HT ORNAMENTAL METAL FENCE
PROPOSED 1.0m HT ORNAMENTAL METAL FENCE
CORNER SIDE YARD BACK 3.00m
LOADING
DD01 T/G=57.85
DD02 T/G=58.10
DD03 T/G=58.00
Wood Shed 'B'
2 Storey Metal Sided Building
2 Storey Vinyl Sided Building
No. 257 1/2 Storey Brick Building
2 Storey Asphalt Roll Siding (Siding Noted)
2 Storey Brick Building (Brick Noted)
Wooden Planter
Ex. SAMH T/G=57.89 INV=54.21
Ex. SAMH T/G=57.44 INV=53.94
Ex. STMH T/G=57.64 INV=53.84
CONNECT TO BUILDING WATER SERVICE (SEE MECHANICAL DWG FOR CONTINUATION) TOP OF W/M=55.67 COORDINATE ENTRY LOCATION WITH MECHANICAL CONTRACTOR
CONNECT TO EXISTING 203mm DIA. WATERMAIN WITH 200x200 TEE BY CITY FORCE (CONTRACTOR TO LOCATE THE EXISTING 203mm W/M PRIOR TO CONSTRUCTION)
200mm W/M
200mm V&VB
CONNECT TO BUILDING WATER SERVICE (SEE MECHANICAL DWG FOR CONTINUATION) TOP OF W/M=55.72 COORDINATE ENTRY LOCATION WITH MECHANICAL CONTRACTOR
TIE INTO EXISTING CURB
SAMH01 T/G=58.17 N.INV.=54.50 S.INV.=54.05
1.90m - 200mm PVC SAN @ 1.00%
CONNECT TO BUILDING SANITARY SERVICE (SEE MECHANICAL DRAWING FOR DETAILS) INV.=54.52
CONNECT FOUNDATION DRAIN TO BUILDING STORM SERVICE (SEE MECHANICAL DRAWING FOR DETAILS) INV.=54.66
0.81m - 150mm PVC STM @ 1.00%
5.88m - 200mm PVC SAN @ 1.00%
1.39m - 250mm PVC STM @ 1.00%
12.00m - 150mm PVC STM @ 1.00%
10.90m - 250mm PVC STM @ 1.00%
STMH03 T/G=58.14 N.INV.=54.65 S.INV=54.13
UNDERGROUND STORMWATER CISTERN BOTTOM OF CISTERN AT 54.20m (REFER TO ARCHITECTURAL AND STRUCTURAL DWGS FOR DETAILS)
CONNECT CISTERN FORCEMAIN OUTLET TO BUILDING STORM SERVICE WITH BACKFLOW PREVENTER (SEE MECHANICAL DRAWING FOR DETAIL) INV.=54.20 OVERFLOW INV.=55.90
0.79m - 250mm PVC STM @ 1.00%
0.79m - 200mm PVC STM OVERFLOW PIPE
MAIN ENTRANCE
STMH02 STORMCEPTOR EFO4 T/G=58.23 N.INV.=53.36 S.INV.=53.34
CBMH01 T/G=58.27 N.INV.=55.90 N.INV.=54.19 S.INV.=55.90 S.INV.=53.37
C/W ICD @ 20.2 L/S AND EXTERIOR OVERFLOW DROP PIPE
DAY LIGHT TRIANGLE
SAMH02 T/G=57.94 N.INV.=53.99 E.INV.=53.88 (EXISTING) W.INV.=53.88 (EXISTING)
Ex. STMH T/G= INV=54.88
CONNECT TO EXISTING 150mm DIA. WATERMAIN WITH 200x150 TEE BY CITY FORCE(CONTRACTOR TO LOCATE THE EXISTING 150mm W/M PRIOR TO CONSTRUCTION)
ROAD CUT TO BE REINSTATED AS PER CITY STD R10
CONNECT TO Ex. 375mm CONC STM SEWER AT INV=54.01
CONNECT TO EXISTING STM MH AT N.INV=53.23
JOB BENCHMARK No. 2 Magnetic Nail in Sidewalk Elev=57.99
Ex. SAMH T/G=57.89 INV=53.85
Ex. SAMH T/G=57.88
Ex. SAMH T/G=57.93
Ex. SAMH T/G=57.97 INV=53.54
Ex. SAMH T/G=58.02 NW.INV=53.60 NE.INV=54.00
Ex. STMH T/G=58.01 INV=52.94
Ex. STMH T/G= INV=53.55
Ex. STMH T/G= INV=56.58
Ex. 1800mmØ CONC STM
Ex. 1050mmØ CORM SAN
Ex. 406mmØ PVC WM
Ex. 450mmØ CONC SAN
Ex. 750mmØ CONC STM
Ex. 203mmØ PVC WM
Ex. 250mmØ CORR SAN
Ex. 250mmØ PVC WM
Ex. 300mmØ CONC SAN
Ex. 1050mmØ CONC STM
Ex. 1800mmØ CONC STM
Ex. 1800mmØ CONC STM
Ex. 1050mmØ CORM SAN
Ex. 1800mmØ CONC STM
Ex. 406mmØ PVC WM
Ex. 1800mmØ CONC STM
Ex. 1800mmØ CONC STM
Ex. 1800mmØ CONC ST