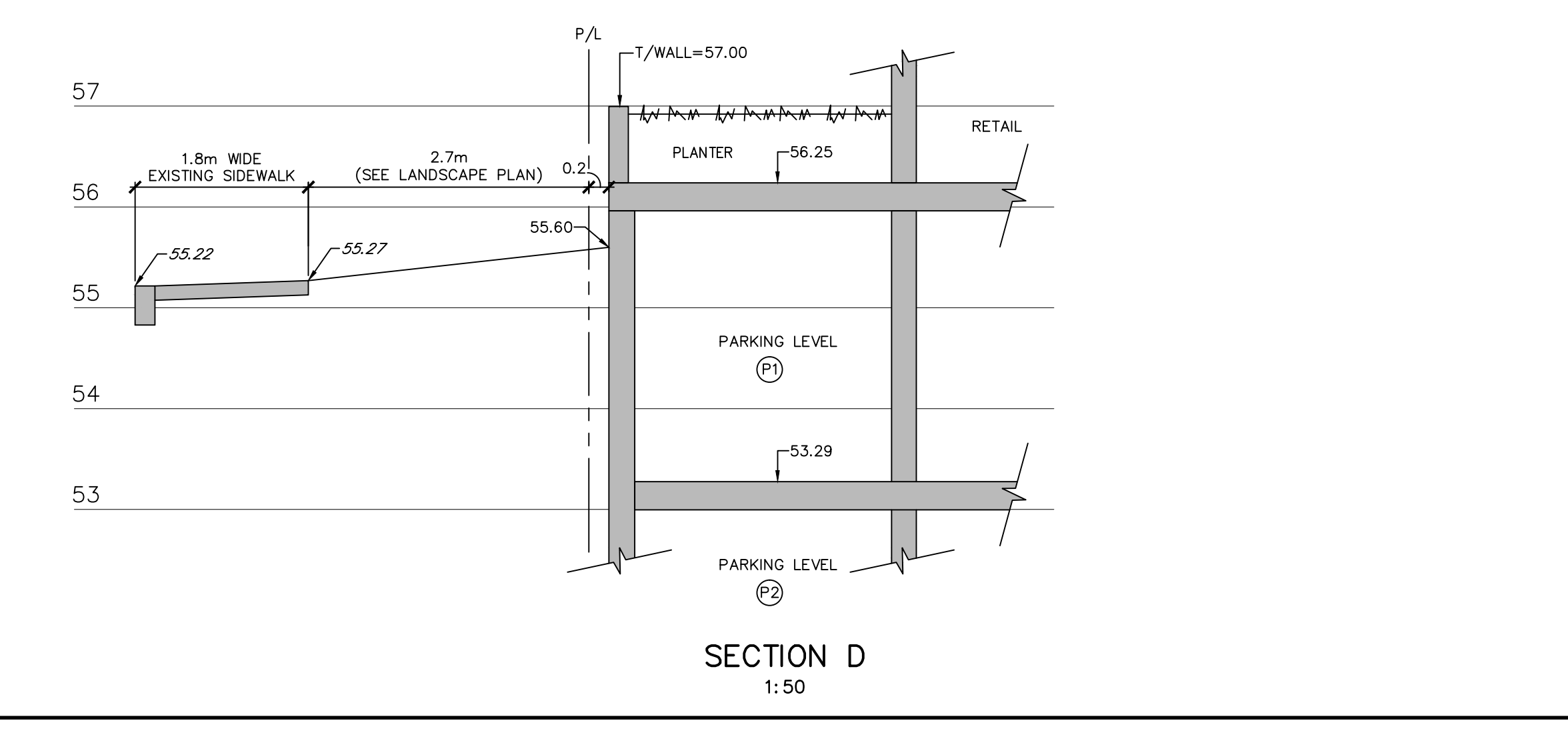
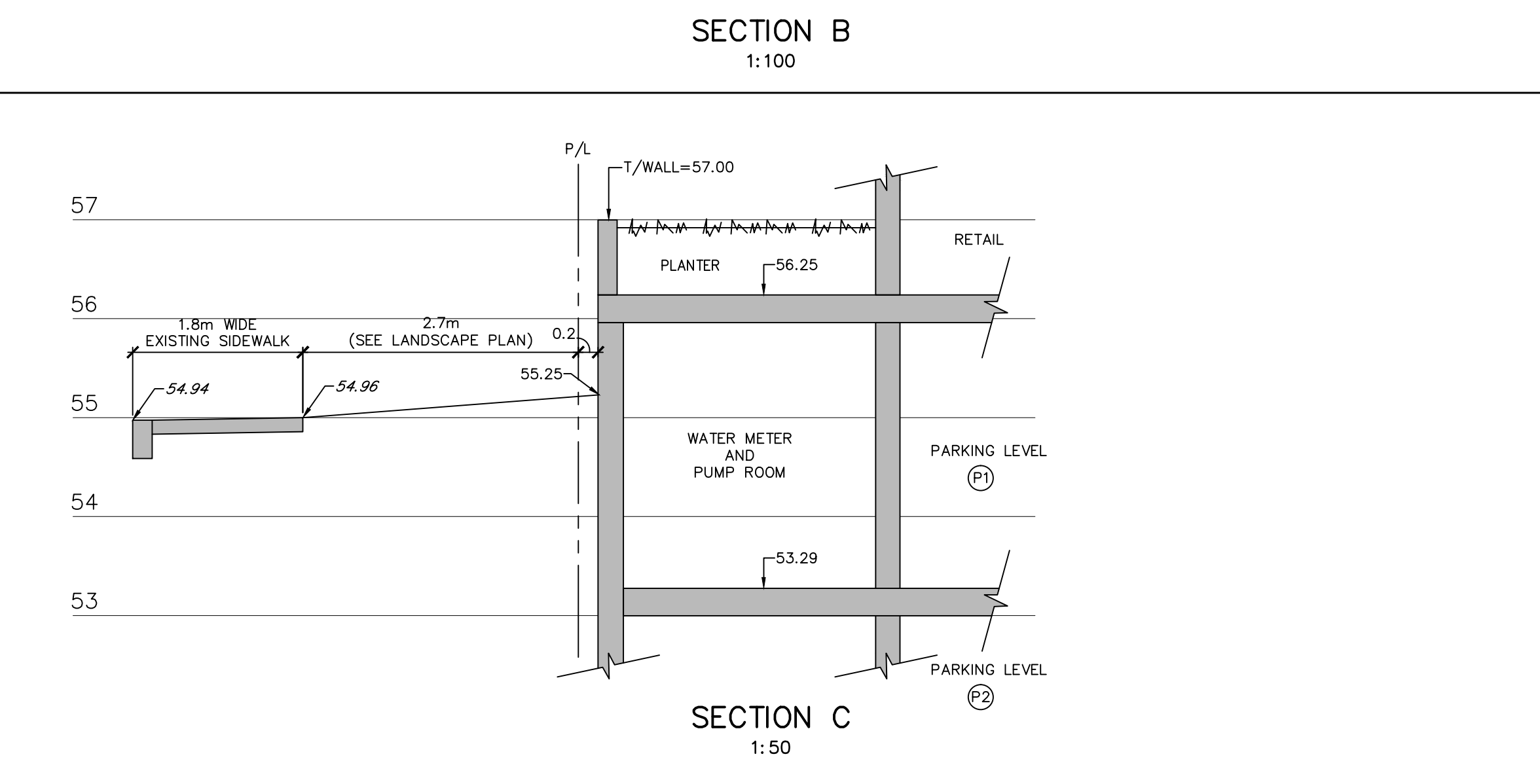
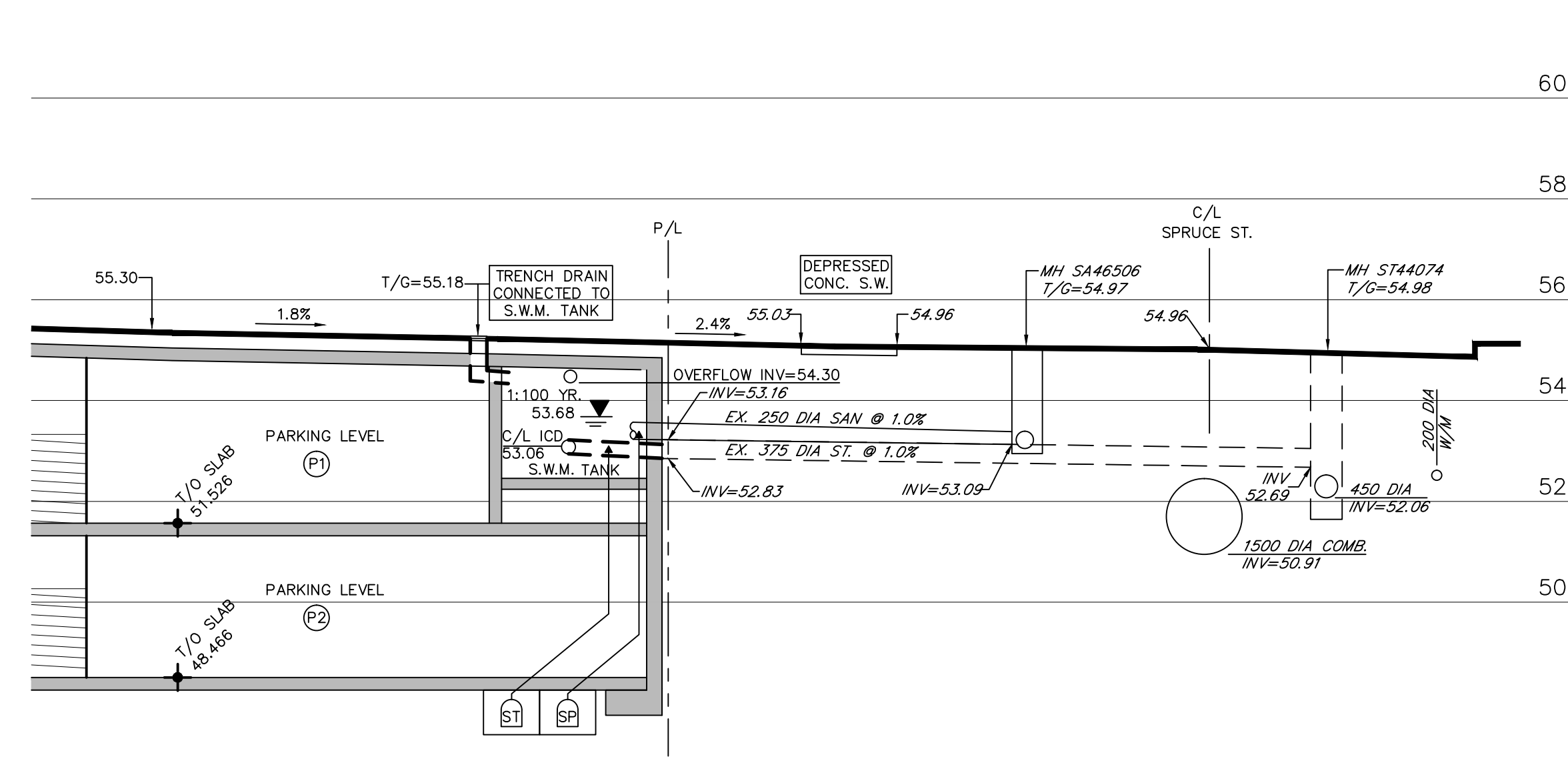
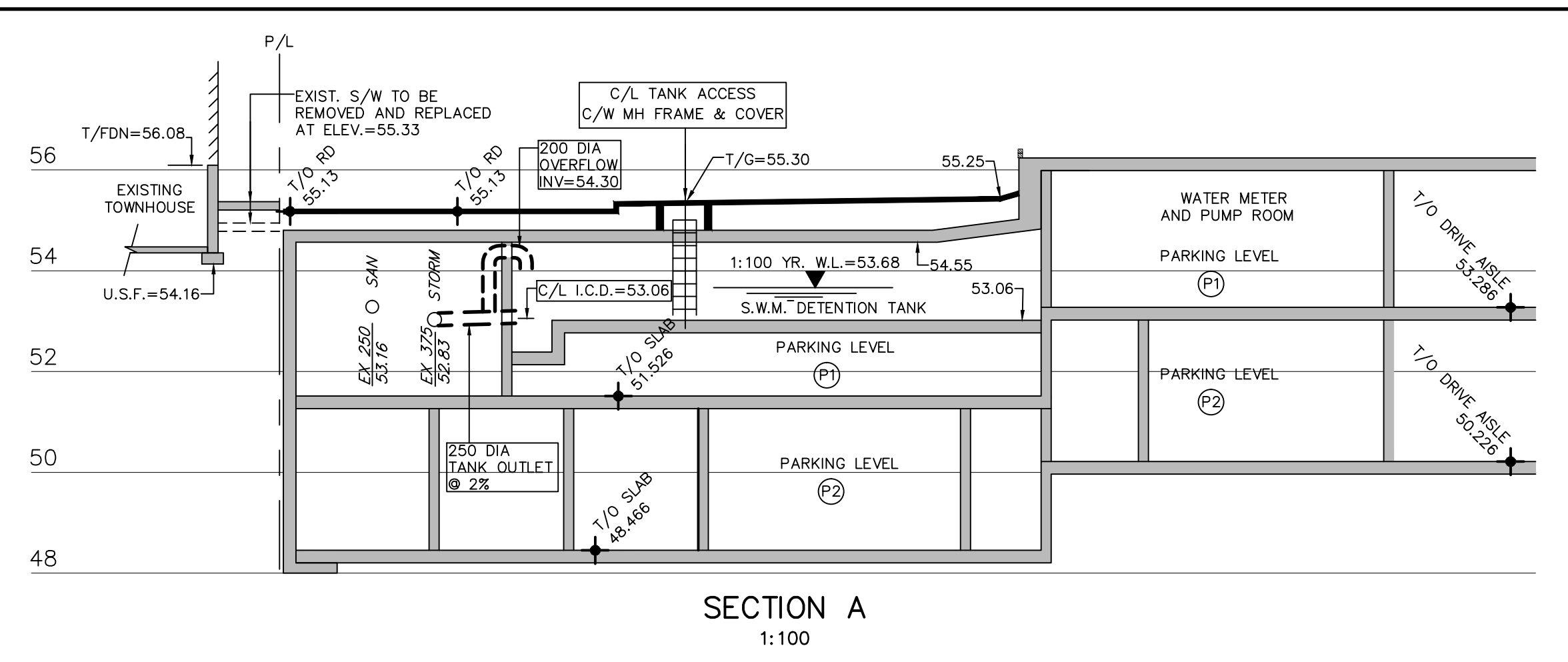


ROOF DRAINAGE DATA				
LOCATION	TOTAL AREA (sq.m.)	COEF. 'C'	AXC	COMMENT
RDC-1A	205	0.90	184.5	MECH. P.H. ROOF POND
RDC-1B	205.1	0.90	184.6	MECH. P.H. ROOF POND
RDC-2A	147.4	0.90	132.6	12TH FLOOR ROOF POND
RDC-2B	213.3	0.90	192.0	12TH FLOOR ROOF POND
RDC-2C	157.0	0.90	141.3	12TH FLOOR ROOF POND
RDC-3	405.3	0.90	364.8	4TH FLOOR PODIUM ROOF POND
SUBTOTAL	1333.1	0.90	1199.8	
4TH	289.4	0.90	260.6	PODIUM ROOF (WEST)/NO PONDING
12TH	87.9	0.90	79.1	12TH FL. TERRACE/NO PONDING
4TH	67.6	0.90	60.8	4TH FL. TERRACE/NO PONDING
12TH	51.4	0.90	46.3	12TH FL. ROOF/NO PONDING
SUBTOTAL	496.3	0.90	446.8	
TOTAL ROOF	1829.4	0.90	1646.6	

73% ROOF AREA CAPTURED AND CONTROLLED ON ROOF BEFORE RELEASE TO SWM TANK IN U/G PARKING = 1333.1 sq.m. (AXC=1199.8)
 27% ROOF AREA CAPTURED AND UNCONTROLLED ON ROOF BEFORE RELEASE TO SWM TANK IN U/G PARKING = 496.3 sq.m. (AXC=446.8)

ROOF PONDING STORAGE AND RELEASE FOR 1:100 YR. STORM FREQUENCY							
R.D.C. No.	ROOF AREA (sq.m.)	POND AREA (sq.m.)	MAX DEPTH @ R.D.C (mm)	POND VOLUME (cu.m.)	ROOF DRAIN CONTROL WATTS MODEL RD-100-A-ADJ MAX. RELEASE (L/sec.)	SET WEIR EXPOSURE (%)	LOCATION
RDC-1A	205	196	150*	9.4	1.26	50	MECH. PENTHOUSE ROOF (N)
RDC-1B	205.1	196	150*	9.4	1.26	50	MECH. PENTHOUSE ROOF (S)
RDC-2A	147.4	137	150	6.6	1.26	50	12TH FLOOR ROOF (N)
RDC-2B	213.3	205	150	10.2	1.26	50	12TH FLOOR ROOF (S)
RDC-2C	157.0	146	150	7.0	1.26	50	12TH FLOOR ROOF (S)
RDC-3	405.3	367	150	8.4	1.26	50	4TH FLOOR ROOF (E)
TOTAL ROOF	1333.1	1504		61.0	7.56		

* POND VOLUME INCLUDES ALLOWANCE OF 30% VOIDS IN STONE BALLAST LAYER



CAUTION:
 THE EXACT LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES IS APPROXIMATE ONLY AND MAY BE INCOMPLETE. THE CONTRACTOR IS RESPONSIBLE TO CONTACT ALL MUNICIPAL AUTHORITIES AND UTILITY COMPANIES TO DETERMINE EXACT LOCATION OF ALL SEWERS, WATERMANS, GAS, ELECTRICAL AND COMMUNICATIONS, CABLE TV AND OTHER UNDERGROUND INSTALLATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTION AGAINST DAMAGE OF ALL EXISTING INSTALLATIONS AND IS LIABLE FOR ALL COST SHOULD DAMAGE OCCUR.

no.	date	revision
1	MAR 5/14	SITE PLAN APPLICATION
0	MAR 4/14	ISSUED FOR CLIENT REVIEW

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 CONDOMINIUM
 (RESIDENTIAL/RETAIL)
 OTTAWA ONTARIO

drawing title
**ROOF PONDING PLAN
 AND DETAILS**

drawn MarCAD	date DEC 2013	scale 1:200
project EA 13-272		drawing no. RPD-2
revision no. 1		