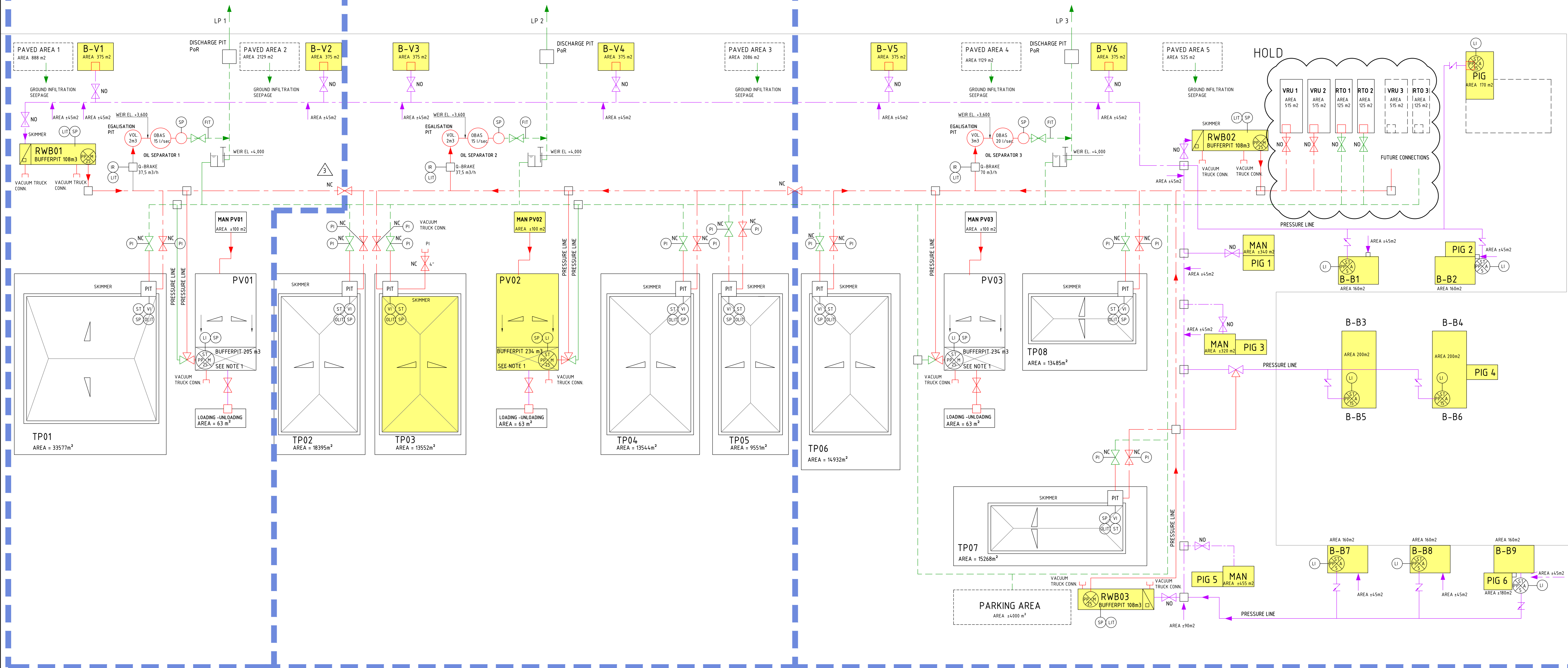


SURFACE WATER



SURFACE AREAS		SURFACE AREAS	
AREA	SURFACE AREA (m ²)	AREA	SURFACE AREA (m ²)
TP01	33577	B-B1	160
TP02	18395	B-B2	160
TP03	13552	B-B3-B-B5	200
TP04	13544	B-B6-B-B6	200
TP05	9551	B-B7	160
TP06	14932	B-B8	160
TP07	15268	B-B9	160
TP08	13485	VRU 1	515
PV01	2989	VRU 2	515
PV02	3174	VRU 3	515
PV03	3324	RTO 1	125
MAN PV01	+100	RTO 2	125
MAN PV02	+100	RTO 3	125
MAN PV03	+100	PIG BP	170
PIG 1	+340	LOADING AREA	63
PIG 2	+225	LOADING AREA	63
PIG 3	+320	LOADING AREA	63
PIG 4	SEE B-B1/B-B6	LOADING AREA	63
PIG 5	+455	PAVED AREA 1	888
PIG 6	+180	PAVED AREA 2	2129
B-V1	375	PAVED AREA 3	2086
B-V2	375	PAVED AREA 4	1129
B-V3	375	PAVED AREA 5	525
B-V4	375	PARKING AREA	+4000
B-V5	375		
B-V6	375		

HES
HES Hartsel Tank Terminal
Released for Detail Design
21 October 2019
HHTT Document Control

LEGEND		REFERENCE DRAWINGS	
	CLEAN WATER SEWER SYSTEM		CLEAN WATER PRESSURE LINE
	FOUL WATER SEWER SYSTEM		FOUL WATER PRESSURE LINE
	FOUL WATER INTERMEDIATE BUFFER LINE		FOUL WATER WWT PRESSURE LINE
	SOLUBLE COMPONENTS		FLOW DIRECTION
	VALVE		CLEAN WATER DISCHARGE POINT
	PUMPPIT 15 m ³ /h START - MANUAL / AUTOMATIC		STORZ COUPLING FOR VACUUM TRUCK
	CHECK VALVE		SLUICE GATE
	LEVEL INDICATOR TRANSMITTER		THREE WAY VALVE
	FLOW INDICATOR TRANSMITTER		OIL LAYER INDICATOR TRANSMITTER
	VISUAL INSPECTION		INLET REGULATOR
	SAND TRAP		SAMPLE POINT
	NORMALLY CLOSED		POSITION INDICATOR
	NORMALLY OPEN		

REFERENCE DRAWINGS			
FOR DETAIL DESIGN			
KH Engineering		67620-D-14-16-1100-310	
PREVIOUSLY 66476-D-14-16-1100-501			
3	16-10-2019	FOR DETAIL DESIGN UPDATE	EPA RIM RIM
2	05-07-2019	FOR DETAIL DESIGN	EPA RIM RIM
1	04-01-2019	FOR INFORMATION - SEVERAL SYSTEM ADJUSTMENTS	EPA RIM RIM
1	13-06-2019	FOR INFORMATION	EPA RIM RIM
PROJECT	HHTT		
CLIENT	HES Hartsel Tank Terminal B.V.		
TITLE	BLOCK DIAGRAM UNDERGROUND SEWER LAYOUT		
PROJ No	67620-001	SCALE	A0
CLIENT PROJ No		METS	
DRAWING No	HHTT-KH-016310	SHEET	REV 3

NOTE 1: BUFFER CAPACITY INCLUDING GUTTER VOLUME