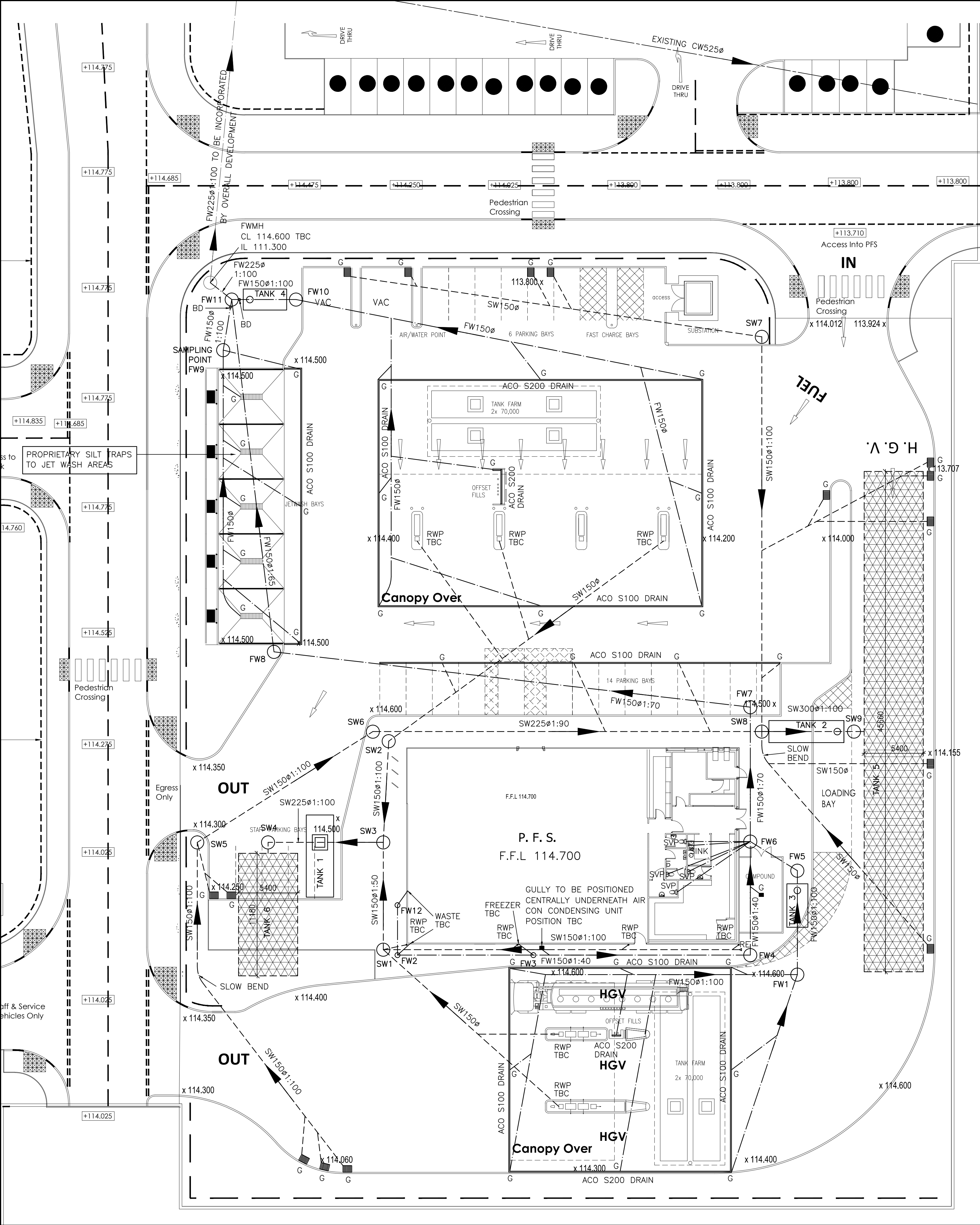




ACO S100/200 DRAINAGE CHANNELS AS NOTED TO CENTRAL FORECOURT SURROUND OR SIMILAR APPROVED WITH IN BUILT FALLS AND TRAPPED RODDABLE GULLIES & F900 HEELGUARD GRATE ALL INSTALLED IN ACCORDANCE WITH THE MANUFACTURES RECOMMENDED DETAILS & SPEC

ALL GULLIES AT RWP LOCATIONS ARE TO HAVE RODDING ACCESS

ALL EXTERNAL DOORS WITH A LEVEL ACCESS TO HAVE A THRESHOLD DRAIN

CONNECTIONS INTO PUBLIC SEWERS TO BE IN ACCORDANCE WITH REQUIREMENTS OF LOCAL AUTHORITY

ALL INTERNAL DRAINAGE RUNS ARE DIAGRAMATIC & CAN BE ADJUSTED TO SUIT

ALL INTERNAL SVP'S TO HAVE RODDING ACCESS POINT

REFER TO ARCHITECTS DRAWINGS FOR LOCATION OF ALL SANITARY FITTINGS, SVP'S & RWP'S

TANK 5
TUBOSIDER STORM WATER STEEL SOAKAWAY PERFORATED TANK OR SIMILAR APPROVED:
WITH A STORAGE CAPACITY OF 288.100cum
TANK SIZE 3NO. RUN OF 45660X1400mmø (TO BE DETERMINED BY MANUFACTURER)
DESIGN OF TANKS & PROVISION OF CALCULATIONS ETC BY SUBCONTRACTOR
4000sqm IMPERMEABLE AREA FOR 1:100 YEAR STORM
+ 40% INCREASE FOR CLIMATE CHANGE
TANK TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND FITTED WITH VENTED COVER
REINFORCED CONCRETE COVER SLAB 300mm THICK TWO LAYERS A393 MESH BTM
CL = 113.707
TOP OF PIPES = 112.311
INLET = 112.011

TANK 6
TUBOSIDER STORM WATER STEEL SOAKAWAY PERFORATED TANK OR SIMILAR APPROVED:
WITH A STORAGE CAPACITY OF 78.100cum
TANK SIZE 3NO. RUNS OF 11180X1400mmø (TO BE DETERMINED BY MANUFACTURER)
DESIGN OF TANKS & PROVISION OF CALCULATIONS ETC BY SUBCONTRACTOR
1500sqm IMPERMEABLE AREA FOR 1:100 YEAR STORM
+ 40% INCREASE FOR CLIMATE CHANGE
TANK TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND FITTED WITH VENTED COVER
REINFORCED CONCRETE COVER SLAB 300mm THICK TWO LAYERS A393 MESH BTM
CL = 114.250
TOP OF PIPES = 112.879
INLET = 112.654

TANK 1
30000 l RAINWATER HARVESTING TANK, INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS
REINFORCED CONCRETE COVER SLAB 4000x7000x300mm THICK TWO LAYERS A393 MESH BOTTOM
CL = 114.500
INLET = 112.761
OUTLET = 112.711

TANK 2
FULL RETENTION CLASS 1
SEPARATOR WITH COALESCING FILTER, AUTOMATIC CLOSURE, ALARM & POLLUTANT LEVEL MONITOR. DRAINED AREA 3300sqm APPROX TANK SIZE 6850x2010mm DIA [TO BE DETERMINED BY MANUFACTURER]
TANK TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS
PROVIDE VENT PIPE AND STACK, POSITION TO BE AGREED
REINFORCED CONCRETE COVER SLAB 8000x3000x300mm THICK TWO LAYERS A393 MESH BOTTOM
CL = 114.430
INLET = 112.087
OUTLET = 112.037

TANK 3
FULL RETENTION CLASS 1 FORECOURT
SEPARATOR WITH COALESCING FILTER, AUTOMATIC CLOSURE, ALARM & POLLUTANT LEVEL MONITOR. DRAINED AREA 450sqm APPROX TANK SIZE 3963x1920mm DIA [TO BE DETERMINED BY MANUFACTURER]
TANK TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS
PROVIDE VENT PIPE AND STACK, POSITION TO BE AGREED
REINFORCED CONCRETE COVER SLAB 5500x3500x300mm THICK TWO LAYERS A393 MESH BOTTOM
CL = 114.500
INLET = 112.804
OUTLET = 112.754

TANK 4
FULL RETENTION CLASS 1 FORECOURT
SEPARATOR WITH COALESCING FILTER, AUTOMATIC CLOSURE, ALARM & POLLUTANT LEVEL MONITOR. DRAINED AREA 1050sqm APPROX TANK SIZE 3963x1920mm DIA [TO BE DETERMINED BY MANUFACTURER]
TANK TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS
PROVIDE VENT PIPE AND STACK, POSITION TO BE AGREED
REINFORCED CONCRETE COVER SLAB 5500x3500x300mm THICK TWO LAYERS A393 MESH BOTTOM
CL = 114.600
INLET = 112.711
OUTLET = 112.661

T3	17.01.18	REVISED FW DRAINAGE TO SUIT FINAL MH & DRAIN CONNECTION TO ADJACENT SITE REVISED GULLY DRAINS TO VAC BAYS	S.P.M.
T2	09.01.18	REVISED SPOT LEVELS TO ENTRANCE, HGV LANE & ADJACENT SUB STATION REVISED POSITION OF GULLIES ADDED STORM EVENT LAYOUT	S.P.M.
T1	15.10.18	REVISED ACO TO OFFSET FILLS REVISED TANK 5 DETAILS REVISED POSITION OF TANKS 1 & 3	S.P.M.
rev	date	revisions	initials

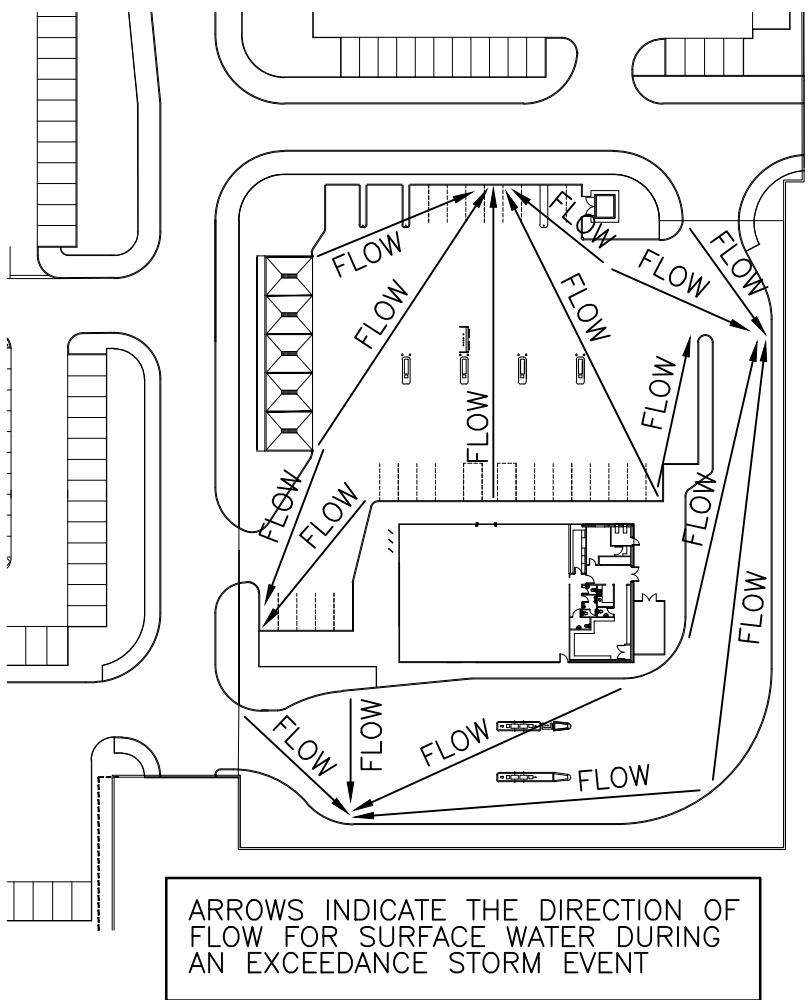
client
THE KAY GROUP

project
**PETROL FILLING STATION
RUABON
WALES**

drawing
DRAINAGE LAYOUT

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drawn	S.P.M.	date	25.09.18
scale	1:200	checked	
contract no.	1332	drawing no.	D1 T3



ARROWS INDICATE THE DIRECTION OF FLOW FOR SURFACE WATER DURING AN EXCEEDANCE STORM EVENT

SITE LAYOUT
(1:1000 AT A4)

ARRANGEMENT SUBJECT
TO FINAL LEVELS

SUBJECT TO APPROVAL
TENDER PURPOSES ONLY