ALL WORKS TO PITCH SHOULD ADEQUATELY PROTECT DRAINAGE PIPES DURING CONSTRUCTION WORKS

300mm VC

PIPEWORK UNDER BUILDINGS:
SSL 31.365 (175mm SLAB)
TOF 30.950
ALL PIPE BENDS APPROX IL 30.79 UNO.
ALL POP UP PENETRATIONS SIZES TBC BY THE ARCHITECT.
WHERE PIPES CROSS FOUNDATIONS, THESE ARE TO PASS OVER THE FOUNDATION UNLESS NOTED OTHERWISE:
- PTSF - PASSES THROUGH STRIP FOOTING
- PTGB - PASSESS THROUGH RC GROUND BEAM
- PTMF - PASSES THROUGH MASS FILL FOUNDATION

TREE ROOT PROTECTION ZONE

FOUNDATIONS TO EXISTING BUILDING TO BE INVESTIGATED. CURRENT LOCATION OF DRAINAGE IS TO AVOID PROPOSED PAD FOUNDATIONS, HOWEVER DRAINAGE MAY REQUIRE REPOSITIONING WHERE EXISTING FOUNDATIONS EXTEND TO PROPOSED DRAIN LOCATION.

MANHOLE TO BE REMOVED AND RELOCATED TO FW01

EXISTING SLAB/FOUNDATION INVESTIGATION REQUIRED. NEW CONNECTION SHOWN. IL TBC FOLLOWING INVESTIGATION.

MANHOLE TO BE REMOVED AND RELOCATED TO FW02

EXISTING FOUL DRAINAGE TO BE CLEANED DOWN TO OUTFALL POINT

NEW LINEAR DRAINAGE TO BE CONNECTED TO EXISTING SYSTEM. CHANNEL SIZES TO BE CONFIRMED BY MANUFACTURER FOR AREA BEING RECEIVED.

EXISTING DRAINAGE OUTSIDE OF WORKS BOUNDARY TO BE MAINTAINED THOUGH DEVELOPMENT WORKS.

POLLUTION TREATMENT PETROL INTERCEPTOR REMOVED ON BASIS PERMEABLE PAVING WILL BE ADEQUATE TO PROVIDE SUFFICIENT TREATMENT.

LINEAR DRAINAGE TO BE CONNECTED TO PROPOSED SW SYSTEM. CHANNEL SIZES TO BE CONFIRMED BY MANUFACTURER FOR AREA BEING RECEIVED.

FILTER STRIP BELOW LANDSCAPED SWALE - INLETS VIA KERB DRAINAGE (BEANY OR SIMILAR). GRASS/PLANTED DEPRESSION AT SURFACE TO ARCHITECTS LEVELS/DESIGN.

PROPOSED LEVELS TO BE CONFIRMED. DRAINAGE LOCATIONS SUBJECT TO CO-ORDINATION WITH FINAL LEVELS.

SWALE DESIGN UPDATED WITH REDUCED PIPE SIZE WITHIN FILTER STRIP BELOW, DUE TO ADDITIONAL CAPACITY WITHIN PERMEABLE PAVING.

CONFIRMATION REQUIRED IF THIS LOCATION IS ACCEPTABLE. WE ARE PROPOSING TO KEEP THE MAIN RUNS OUT OF THE PERMEABLE PAVING AREA DUE TO LOADING/DEPTH

CHANGE TO SOLID PIPE AT THIS POINT.

PIPE TO SIT WITHIN LOCALISED DEEPENING OF PERMEABLE CONSTRUCTION.

FOR INTERNAL DRAINAGE DETAILS REFER TO CURTINS DRAWING: HEV-CUR-XX-XX-DR-C-92503

FOR OVERSPILL CAR PARK DRAINAGE SEE CURTINS DRAWING HEV-CUR-XX-XX-DR-C-92560

ASSUMED TO SERVE EXISTING LANDSCAPING, MAY BE REMOVED WHERE CAR PARK REPLACES LANDSCAPING - TBC

AREA TO DRAIN AS EXISTING

EXISTING DRAINAGE OUTSIDE OF WORKS BOUNDARY TO BE MAINTAINED THOUGH DEVELOPMENT

EXISTING DRAINAGE OUTSIDE OF WORKS BOUNDARY TO BE MAINTAINED THOUGH DEVELOPMENT

NEW CONNECTION TO EXISTING PUBLIC SEWER SUBJECT TO SECTION 106 AGREEMENT WITH UNITED UTILITIES - AWAITING PART 1 APPROVAL. PART 2 BY CONTRACTOR

APPEARS TO BE A BACKFALL ON EXISTING 450mm PIPE - MAY REQUIRE RECONSTRUCTION

NEW LINEAR DRAINAGE TO BE CONNECTED TO PROPOSED SW SYSTEM. CHANNEL SIZES TO BE CONFIRMED BY MANUFACTURER FOR AREA BEING RECEIVED.

EXISTING LAND DRAIN TO BE DIVERTED AROUND PROPOSED BUILDING AS SHOWN.

EXISTING CCTV SURVEY SHOWS LAND DRAIN INVERT LEVELS ARE BACKFALLING/FLAT.

EXISTING LAND DRAIN AND MAKEUP TO BE CONFIRMED TO ALLOW SAME DETAIL TO BE PROVIDED FOR DIVERSION ROUTE.

LEVELS & CHANNEL POSITION IN ABEYANCE - TBC IN LINE WITH ROOT PROTECTION ZONE

INTERNAL DRAINAGE DETAILS UNDER BUILDING FOOTPRINT OMITTED FOR CLARITY. REFER TO BUILDING DRAINAGE DRAWING HEV-CUR-XX-XX-DR-924503 FOR DETAILS.

ASSUMED ABOVE GROUND GREASE ENZYME TREATMENT SYSTEM WHERE HOT FOOD/COOKING IN CAFE AREA.

GULLIES AT FIRST FLOOR TO BE CONNECTED TO ABOVE GROUND DRAINAGE AND PASSED TO BELOW GROUND. LOCATIONS TO BE CONFIRMED BY ARCHITECT/M&E ENGINEER.

POP UP LOCATIONS AS PER ELLIS WILLIAMS DRAWING HEV-EWA-01-ZZ-DR-A-12301_RevP4 SLAB PENETRATIONS. REF TO ABOVE DRAWING FOR SETTING OUT. ANY DISCREPANCIES FOUND SHOULD BE HIGHLIGHTED TO THE ENGINEER.

S1 - CP CL: 31.130 IL: 30.303
S2 - CP CL: 31.190 IL: 29.778
S3 - CP CL:31.000 IL:29.533
S3A - CP CL30.810 IL29.675
S3B - CP CL31.190 IL29.859
S3C - CP CL31.020 IL30.036
S4 - CP CL: 31.220 IL: 29.370
S5 CL:31.070 IL: 29.308
S6 CL: 31.420 IL: 30.000
S6A CL: 31.500 IL: 30.500
S7 CL: 31.240 IL: 29.800
S7A CL: 31.310 IL: 29.860
S8 CL: 31.360 IL: 29.450
S9 CL: 31.510 IL: 29.630
S10 CL: 31.470 IL: 29.450
S11 CL: 31.400 IL: 29.258
S15 - CP CL31.120 IL29.927
S16 - CP CL31.120 IL29.633
F1 CL 31.550 IL 30.330
F2 CL 31.550 IL 30.120
F3 CL 31.520 IL 30.715
F4 CL 31.360 IL 30.156
F4A CL 31.370 IL 30.455
F5 CL 31.430 IL 30.070
F6 CL 31.500 IL 30.000 BDIL 30.755
F6A CL 31.525 IL 30.715
F7 CL 31.520 IL 29.937
F8 CL 31.520 IL 30.715
F9 CL 31.530 IL 30.715
EX.MH15 CL 31.520 IL 30.100
FW10 CL 31.550 IL 29.645
LD01 - CP CL31.48 IL30.33 (TBC)
LD02 - CP CL31.44 IL30.33
LD03 CL31.460 IL30.330

225mm CLASS Z B&S
150mm VC
150mm VC @ 1:100
150mm VC (DIVERSION)
300mm VC
300mm CONC
100mm
225mm PP
OUTFALL

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. STRATEGY BASED ON NO AVAILABLE TOPOGRAPHICAL SURVEY AND CCTV SURVEY INFORMATION AVAILABLE AT THE TIME OF DESIGN AND SHOULD BE REASSESSED UPON RECEIPT.
3. REFER TO THE CURTINS CCTV DRAINAGE SURVEY REVIEW DRAWINGS 92011 & 92012 FOR INFORMATION ON FURTHER WORK REQUIRED AN ALLOWANCES TO BE MADE FOR EXISTING DRAINAGE
4. REFER TO CURTINS NOTES DRAWING 92502 FOR DRAINAGE. NOTES.

DRAWING IS BASED ON:
- ARCHITECT LAYOUT - HEV-EWA-02-XX-DR-L-79001_RevP13
- POP UPS - HEV-EWA-01-ZZ-DR-A-12301_RevP4
- TOPOGRAPHICAL SURVEY REF: U21-4667 February 2020.
- DRAINAGE CCTV SURVEY REF: U21-4667 March 2021.
- FOUNDATION LAYOUT - 076170-CUR-01-ZZ-M3-S-00001 - Structural Plan - 26.07.22

KEY

- APPROXIMATE EXTENT OF WORKS FOR BUILDING EXTENSION AND CAR PARK EXTENSION. TO BE CONFIRMED.
- PROPOSED FOUL DRAINAGE
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED FLOW CONTROL CHAMBER
- PROPOSED GATIC CAST SLOT DRAIN. ACCESS BOX TO HIGH END, OUTLET BOX TO LOW END. OUTLET PIPE TO MATCH GATIC SIZE. TBC BY MANUFACTURER.
- PROPOSED THRESHOLD DRAINAGE FACADE SLOT. ACCESS BOX TO HIGH END, OUTLET BOX TO LOW END. SHALLOW OUTLET BOX TO BE USED. OUTLET PIPE TO MATCH CHANNEL SIZE. TBC BY MANUFACTURER.
- PROPOSED KERB DRAIN (BEANY OR SIMILAR). OUTLET PIPE TO FILTER DRAIN.
- SURFACE WATER FULLY PERFORATED PIPE.
- INDICATIVE PIPE ROUTE FROM PITCH DRAINAGE. BY OTHERS.
- PROPOSED SURFACE WATER GULLY
- PROPOSED FOUL WATER GULLY
- PROPOSED SHOWER GULLY
- BACK DROP
- PROPOSED UNDERGROUND ATTENUATION STORAGE
- EXISTING LAND DRAIN TO BE REMOVED
- DIVERTED LAND DRAIN.
- EXISTING FOUL DRAIN TO BE REMOVED
- IMPEREMABLE AREA TO DRAIN AS EXISTING
- FOUNDATIONS
- 150mm VERTICAL INSPECTION POINT WITH 150mm VC OUTLET PIPE AND 150mm WRAPPED PERFORATED INLET PIPE. REFER TO DETAILS.
- PERMEABLE TARMAC AREA, BAYS ONLY. SUBBASE LAID TO FALL TOWARDS THE PERFORATED PIPE / INSPECTION POINT POSITIONS. REFER TO DETAILS.
- STONE TRENCH WITH GRASSED DEPRESSION / SWALE AT SURFACE. REFER TO DETAILS.
- INDICATIVE GSHP EXCLUSION ZONE

Rev:	Description:	Date:	By:	Chkd:
C01	ISSUED FOR CONSTRUCTION	05/08/22	CS	CG
P10	TANK AND SW OUTFALL LAYOUT UPDATED	30/06/22	CS	CG
P09	BUILDING DRAINAGE UPDATED IN LINE WITH REVISED FOUNDATION PLAN	29/04/22	ATL	CG
P08	BACKGROUND TOPO UPDATE	11/02/22	CS	CG
P07	STAGE 4 UPDATE	19/11/21	CD	CG

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Status: STAGE 5

Project: HOUGH END SPORTS VILLAGE

Drg Title: PROPOSED DRAINAGE LAYOUT SHEET 1 OF 2

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	12/01/21	CG	CG	CG
Scale: 1:250				

Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
HEV	CUR	XX	XX	DR	C	92500	C01