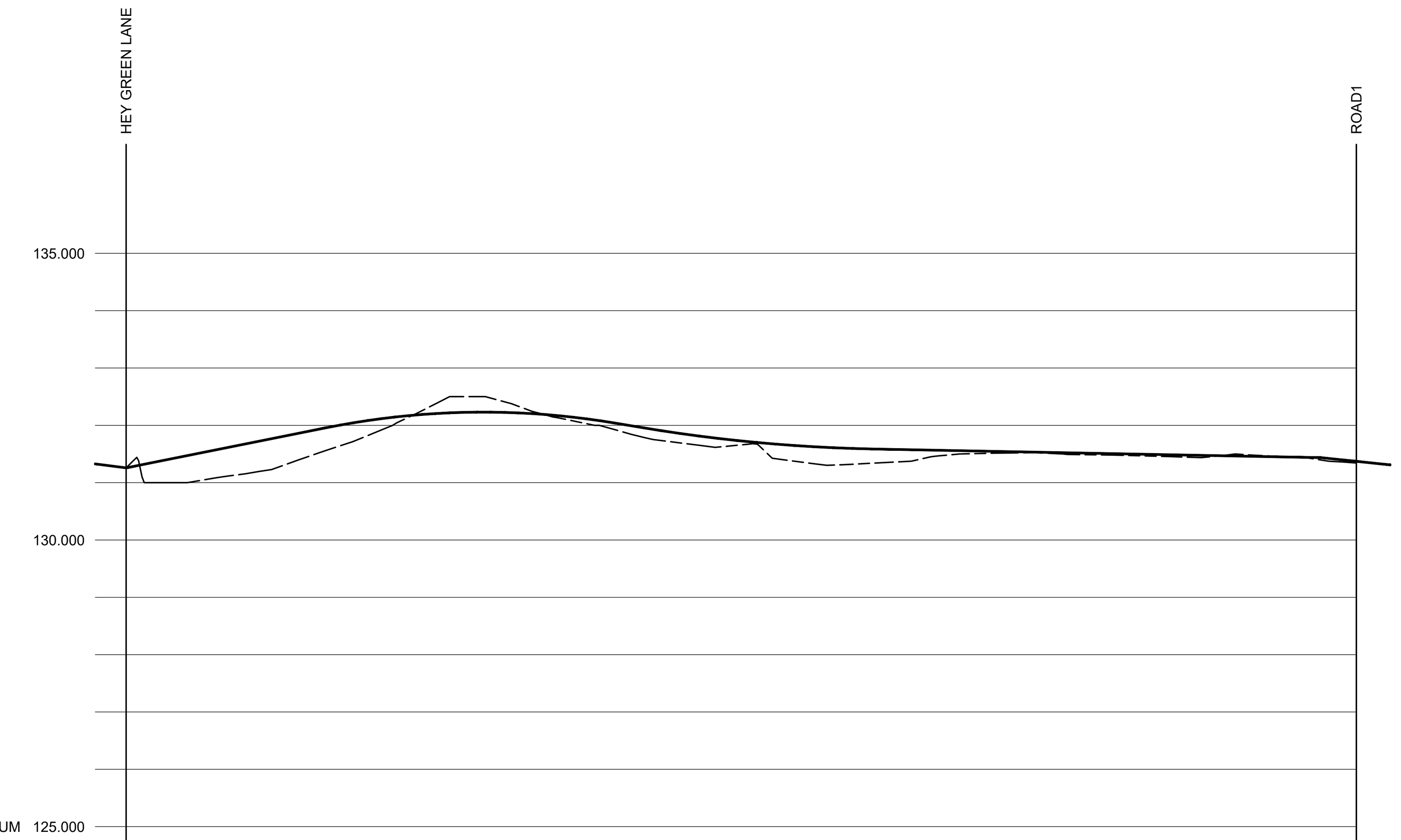
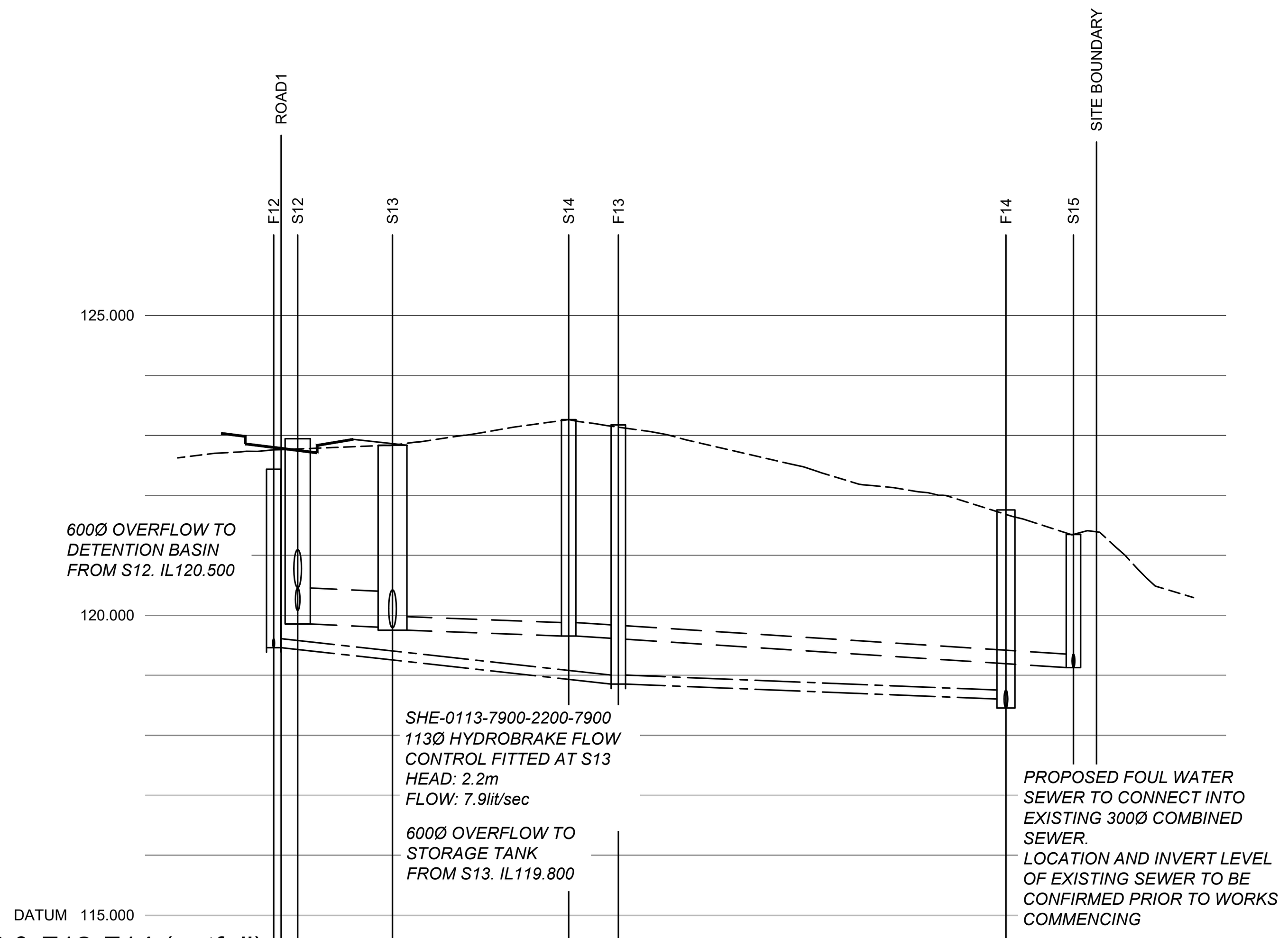


FOOTPATH LINK

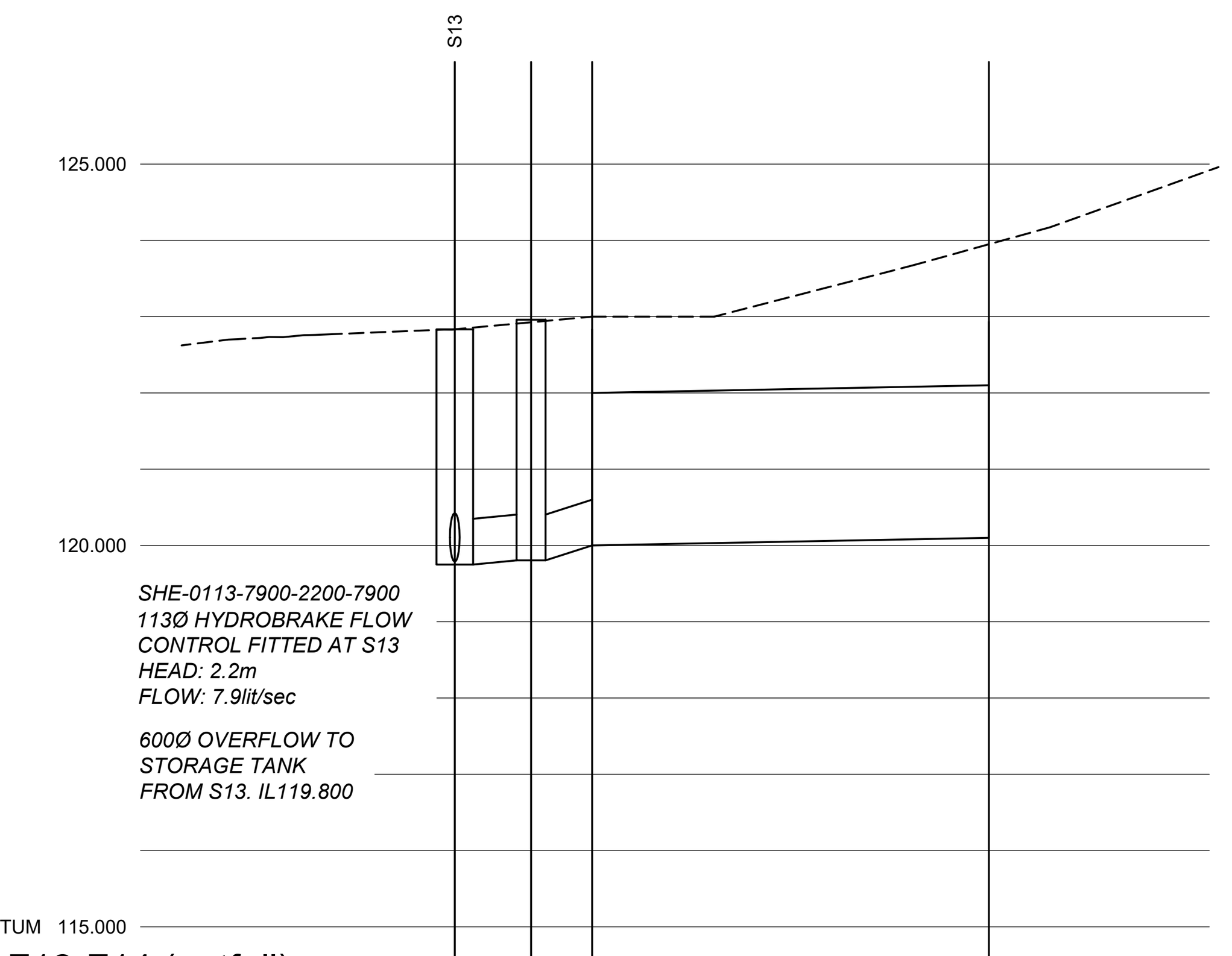
HP

CHAINAGE	0.000 10.000 10.310 17.500 20.000 21.983 25.000 30.000 30.509 31.137 35.000 40.000 42.500 45.000 50.000 51.360 55.000 60.000 65.000 65.777 70.000 80.000 90.000 91.142 100.000 107.258
EXISTING GROUND LEVEL	131.258 131.144 131.735 132.500 132.035 131.650 131.329 131.445 131.517 131.462 131.463 131.343
ALIGNMENT LEVEL	131.260 131.660 131.960 132.051 132.177 132.231 132.232 132.211 132.117 132.043 131.960 131.812 131.700 131.626 131.588 131.568 131.530 131.491 131.452 131.436
VERTICAL ALIGNMENT	G= 4.000% 1: 25.0 / L= 25.000 KF= -3.40925 / G= -3.333% 1: -30.0 / KF= 6.79038 L= 20.000 / G= -0.388% 1: -258.0
HORIZONTAL ALIGNMENT	R= 21.500 / R= 16.500 / R= 51.500 / R= 61.500



S12-S15 & F12-F14 (outfall)

GROUND LEVEL	122.623 122.771 122.888 123.190 123.039 122.571 122.116 121.627 121.370
STORMWATER COVER LEVEL	122.942 122.834 123.261 121.346
STORMWATER INVERT	120.078 120.500 119.853 119.800 119.750 119.652 119.652 119.126
STORMWATER DETAILS	Pipe 1.011 Dia 600 Circular CONC 1 in 149 / Pipe 1.012 Dia 225 Circular CLAY 1 in 150 / Pipe 1.013 Dia 225 Circular CLAY 1 in 80
STORMWATER LENGTHS	7.901 / 14.681 / 42.064
FOULWATER COVER LEVEL	122.433 123.173 121.755
FOULWATER INVERT	119.402 119.402 118.851 118.851 118.603 118.453
FOULWATER DETAILS	Pipe 1.011 Dia 150 Circular CLAY 1 in 47 / Pipe 1.012 Dia 150 Circular CLAY 1 in 130
FOULWATER LENGTHS	26.083 / 32.298



S12-S15 & F12-F14 (outfall)

GROUND LEVEL	122.623 122.771 123.000 123.000 123.500 124.000 124.500
STORMWATER COVER LEVEL	122.834 123.000 123.000 124.500
STORMWATER INVERT	119.800 119.750 119.800 119.850 120.000 120.100
STORMWATER DETAILS	Overflow Dia 600 CONC 1 in 100 / Overflow Dia 600 CONC 1 in 27 / STORAGE TANK 26x9x2.0m CONC 1 in 260
STORMWATER LENGTHS	5.000 / 4.000 / 26.000

1. ALL ADOPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH CODES FOR ADOPTION,THE RELEVANT BRITISH/EUROPEAN AND YORKSHIRE WATER STANDARDS/REQUIREMENTS/ADDENDUM TO THE MECHANICAL AND ELECTRICAL SPECIFICATION AND KITEMARKED.
2. MANHOLE COVERS SHALL/MUST HAVE A CLEAR OPENING OF 600mm AND SHALL BE CLASS D400 TO BS EN 124 WITH 150mm DEEP FRAMES IN HIGHWAYS.
3. FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION AND TO THE SATISFACTION OF YORKSHIRE WATER BEFORE ANY SEWER WORKS ARE CARRIED OUT.
4. YORKSHIRE WATER IS **NOT** OBLIGED TO ACCEPT FILTER DRAIN/LAND DRAINAGE RUNOFF INTO THE PUBLIC SEWER NETWORK OR ADOPTABLE DRAINAGE SYSTEM (DIRECTLY OR INDIRECTLY). AN ALTERNATIVE METHOD OF DISPOSAL OF THE LAND DRAINAGE RUNOFF WILL THEREFORE BE REQUIRED AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY, LAND DRAINAGE SECTION WITH REGARD TO THE DISPOSAL OF THE FILTER DRAIN/LAND DRAINAGE RUNOFF.
5. COVER SLABS MUST CARRY THE BSI KITEMARK OR WILL BE REJECTED BY YORKSHIRE WATER INSPECTOR. WHERE THE CLEAR OPENING OF THE KITEMARKED PRODUCT IS DIFFERENT TO THAT OF THE COVER AND FRAME, A LOADING BEARING SLAB SHOULD BE FITTED ABOVE THE COVER SLAB TO BRING THE SIZE DOWN TO 600x600mm FOR THE YORKSHIRE WATER SPECIFIED COVER SIZE. PLEASE REFER TO CONCRETE PIPE SYSTEMS ASSOCIATION (CPSA), 'TECHNICAL BULLETIN' ISSUED AUTUMN 2004 FOR KITEMARKED COVER SLAB OPENING SIZES.
6. SULPHATE RESISTANT CEMENT (C20-DC2) AND PRECAST CONCRETE PRODUCTS MUST BE USED OR A LABORATORY REPORT PROVIDED PROVING THAT SUCH PRECAUTIONS ARE NOT NECESSARY.
7. THE ADOPTABLE SEWERS SHOULD BE A MINIMUM OF 1m AND MANHOLES 0.5m FROM KERB FACES AND MARGINS.
8. SEWERS MUST HAVE 5m CLEARANCE FROM TREES AND HEDGES (PLEASE ALSO REFER TO CODES FOR ADOPTION FOR RESTRICTION ON TREE PLANTING ADJACENT TO SEWERS).
9. SEWERS TO BE LAID IN CLASS "S" BEDDING (150mm GRANULAR BED AND SURROUND). WHERE DEPTH OF COVER TO TOP OF THE SEWER IS LESS THAN 1.2m IN HIGHWAYS AND VERGES (OR LESS THAN 900mm IN NONE VEHICULAR ACCESS AREAS) THEN A CONCRETE SLAB OVER SEWER SHALL BE PROVIDED ABOVE GRANULAR BED AND SURROUND.
10. BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENT OF WATER INDUSTRY SPECIFICATION 4-08-02 (TABLE A2).
11. THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION IN THEM MAY NEED OT BE INCREASED AN INCREMENT TO ACCOMMODATE THE CONNECTIONS AND BENDS.
13. ADOPTABLE PLASTIC SEWER PIPES TO BE BSI KITEMARKED (CERTIFIED TO WIS 4-35-01 AND BS/EN13476). ADOPTABLE PLASTIC SEWER PIPES TO BE LAID IN MAXIMUM 3 METRE LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER LENGTHS. PLASTIC CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND YORKSHIRE WATER WOULD PREFER CLAYWARE CHANNELS IN MANHOLES. WE HAVE FOUND THAT PLASTIC CHANNELS ARE DIFFICULT TO SET IN CONCRETE BECAUSE THEY FLOAT AND A SATISFACTORY FINISHED CANNOT BE OBTAINED ON THE BENCHING.
14. THE MINIMUM CRUSHING STRENGTH FOR CLAY PIPES SHOULD BE AS FOLLOWS: 100mm DIA. 40KN/m, 150mm DIA. 40KN/m, 225mm DIA. 45KN/m AND 300mm DIA. 72KN/m.THE MINIMUM CRUSHING STRENGTH FOR CONCRETE PIPES SHOULD BE - CLASS 120 TO EN 1916/BS5911-1 2002. PLASTIC PIPES SHOULD CONFORM TO WIS 4-35-01 AND BS EN13476.
15. WHERE A B125 COVER AND FRAME HAS BEEN APPROVED, THIS MUST NOT BE COATED IN PLASTIC AND MUST HAVE LIFTING EYES SUITABLY SIZED TO ACCOMMODATE STANDARD LIFTING KEYS. SCREW DOWN COVERS ARE NOT ACCEPTABLE.
16. ALL HIGHWAY WORKS AND MATERIAL TO CONFORM WITH BMBC HIGHWAY DESIGN GUIDE SPECIFICATION.
17. GULLY COVER AND FRAMES SHALL BE D400 DUCTILE IRON AND COMPLY WITH EUROPEAN STANDARD BS EN 124. THOSE SIGHTED IN ACCESSWAYS AND MEWS COURTS MUST BE SUITABLE FOR USE IN PEDESTRIAN AREAS.

Rev A Road & sewer design amended to suit BMBC & Avant comments 09.03.23 HH

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Client
AVANT HOMES

Project
HAY GREEN LANE, BIRDWELL

Detail
PROPOSED LONG SECTIONS - Open Space

Dwn	Chkd	Date	Scale	Dwg No.
HH		Jan-23	1:500hor 1:100ver@A1	E23/8034/005-03A