

DESIGN SUBJECT TO THE APPROVAL OF:
PLANNING AUTHORITY
BUILDING CONTROL
SOUTHERN WATER
WEST SUSSEX COUNTY COUNCIL

DRAINAGE LEGEND (1:200)
PROPOSED FEATURES

- Storm water sewer/drain
- Fin Drain
- Rain water pipe
- Road Gully
- Storm water inspection chamber (3000)
- Storm water inspection chamber (4500)
- Storm water inspection chamber (6000)
- Storm water manhole
- Storm water vortex flow control chamber
- Geocellular Attenuation Tank
- Tanked porous pavements
- Foul water sewer/drain
- Soil stack (type TBC by architect/m&e engineer)
- Foul water access chamber (3000)
- Foul water inspection chamber (4500)
- Foul water manhole
- Finished floor level
- PIPE INFO - DIAMETER, LENGTH, GRADIENT, BEDDING TYPE
- ABBREVIATIONS
- CP - CATCHPIT
- MH - MANHOLE
- IC - INSPECTION CHAMBER
- AC - ACCESS CHAMBER
- RE - RODDING EYE
- IL - INVERT LEVEL
- SL - SUMP LEVEL
- CL - COVER LEVEL
- BD IL 6.15 IL 3.50
- Backdrop
- High level IL
- Low level IL

- STANDARD DRAINAGE NOTES
- DO NOT SCALE FROM THIS DRAWING. REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE.
 - ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
 - ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY. SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
 - BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE. IN ADDITION THE CONTRACTOR MUST LOCATE AND DETERMINE INVERT LEVELS OF THE EXISTING SPURS TO WHICH CONNECTIONS ARE PROPOSED. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
 - ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT. THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE TIE-IN INVERT LEVELS TO THE ENGINEER. CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFFIT TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY.
 - COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS.
 - ALL UN-REFERENCED PIPES ARE ASSUMED TO BE 100mm DIA
 - ALL PIPES TO BE ADOPTED, OR CONNECTING TO ADOPTED SEWERS, TO BE VITRIFIED CLAY TO BS EN 295 AND BS65 (SWS ONLY), OR CONCRETE PIPES TO BE EN 1916 AND BS5911-PART 1.
 - ROAD GULLY OUTLET PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS. ALL GULLIES SHALL BE FITTED WITH GRADE D400 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED.
 - ALL ADOPTABLE SEWERS SHALL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATION LAID DOWN DOWN IN 'SEWERS FOR ADOPTION' 6th EDITION, WITH A VIEW TO ADOPTION UPON COMPLETION OF WORKS.
 - ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.
 - THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
 - STUB CONNECTIONS TO ADOPTABLE MANHOLES SHALL BE MADE FROM VITRIFIED CLAY AND CONSIST OF TWO ROCKER PIPES LAID AT THE SAME GRADIENT AS THE UP OR DOWNSTREAM PIPE.
 - IF ANY SUB SOIL DRAINAGE SYSTEMS ARE UNCOVERED DURING THE WORKS CONTACT THE ENGINEER FOR INSTRUCTIONS. SUB SOIL DRAINS ARE TO BE DIVERTED AROUND NEW WORKS AND CONNECTED INTO THE SURFACE WATER.
 - ALL EXISTING MANHOLE COVERS, GULLIES, ETC. ARE TO BE RAISED/LOWERED TO SUIT NEW LEVELS.



00

AT1
Attenuation Tank using Poly Pipe
Poly Pipe units wrapped in
impermeable geomembrane
39x60x5m DP
Total 177.84m³ storage for 1 in 100
year + 40% peak storm event
CL 20.350
TOTL 18.597
INC IL 19.297
BOTL 18.797
Min 500mm cover to units
Vent pipe to connect to S5 as per detail

S6
Hydro-Brake
Flow Control Chamber
Restricted to 0.0/s
CL 19.920
IL 18.796 (1000)
IL 18.671 (2250)
SL 18.439
12000 CP
Hydro-Brake Ref No.
CTL-SHE-0044-1000-1226-1000

SW Runoff

Drained site area = 0.2209ha

Cbar = 0.7%

Proposed discharge restricted to
rate of 1/s

Ex HWD MH

CL 18.65

IL 17.41

Existing manhole cover and frame
to be replaced with class D400
Ductile iron of the same size, and
bedded appropriately to the
satisfaction of Arun DC Engineer

New 1500 connection into WSCC
Highway Drain at Soffit level -
Subject to approval from WSCC
and Arun DC

FW Drainage layout downstream
of F11 subject to Southern Water
Design under S98 Agreement

BD IL 18.620 IL 17.535

S10 CL 20.120 IL 17.535 4500 IC

F10 CL 19.800 IL 18.450 12000 MH

CL 18.02

IL 17.80

T35

RNB

TP

T7

T6

T5

T4

T3

T2

T1

T0

T-1

T-2

T-3

T-4

T-5

T-6

T-7

T-8

T-9

T-10

T-11

T-12

T-13

T-14

T-15

T-16

T-17

T-18

T-19

T-20

T-21

T-22

T-23

T-24

T-25

T-26

T-27

T-28

T-29

T-30

T-31

T-32

T-33

T-34

T-35

T-36

T-37

T-38

T-39

T-40

T-41

T-42

T-43

T-44

T-45

T-46

T-47

T-48

T-49

T-50

T-51

T-52

T-53

T-54

T-55

T-56

T-57

T-58

T-59

T-60

T-61

T-62

T-63

T-64

T-65

T-66

T-67

T-68

T-69

T-70

T-71

T-72

T-73

T-74

T-75

T-76

T-77

T-78

T-79

T-80

T-81

T-82

T-83

T-84

T-85

T-86

T-87

T-88

T-89

T-90

T-91

T-92

T-93

T-94

T-95

T-96

T-97

T-98

T-99

T-100

T-101

T-102

T-103

T-104

T-105

T-106

T-107

T-108

T-109

T-110

T-111

T-112

T-113

T-114

T-115

T-116

T-117

T-118

T-119

T-120

T-121

T-122

T-123

T-124

T-125

T-126

T-127

T-128

T-129

T-130

T-131

T-132

T-133

T-134

T-135

T-136

T-137

T-138

T-139

T-140

T-141

T-142

T-143

T-144

T-145

T-146

T-147

T-148

T-149

T-150

T-151

T-152

T-153

T-154

T-155

T-156

T-157

T-158

T-159

T-160

T-161

T-162

T-163

T-164

T-165

T-166

T-167

T-168

T-169

T-170

T-171

T-172

T-173

T-174

T-175

T-176

T-177

T-178

T-179

T-180

T-181

T-182

T-183

T-184

T-185

T-186

T-187

T-188

T-189

T-190

T-191

T-192

T-193

T-194

T-195

T-196

T-197

T-198

T-199

T-200

T-201

T-202

T-203

T-204

T-205

T-206

T-207

T-208

T-209

T-210

T-211

T-212

T-213

T-214

T-215

T-216

T-217

T-218

T-219

T-220

T-221

T-222

T-223

T-224

T-225

T-226

T-227

T-228

T-229

T-230

T-231

T-232

T-233

T-234

T-235

T-236

T-237

T-238

T-239

T-240

T-241

T-242

T-243

T-244

T-245

T-246

T-247