



Surface Water Flow Rates

Site Area = 3.13ha

Developable Area = 2.20ha

Existing Greenfield Run-off Rates

(Based on soil type 4 - Clay)

QBar = 12.04 l/s

1yr = 10.59 l/s

30yr = 21.43 l/s

100yr = 28.23 l/s

Proposed Run-off Rates

QBar = 12.04 l/s

1yr = 12.04 l/s

30yr = 12.04 l/s

100yr = 12.04 l/s

Impermeable area = 1.141 ha + 10% Urban Creep

= 1.255 ha

Estimated 100yr storage @ 50%CC required = 880m³

(based on no infiltration)

REDROW HOMES
RESIDENTIAL
SITE
(HARDWICK DRIVE)EXISTING
POND

SHALE

MH F8
CL ?
IL 85.806MORRIS HOMES
RESIDENTIAL
SITE
(ST GILES PARK)Adoptable FW Pumping Station (SIA7)
CL 86.350
Sump Base Level ??
(incoming 84.326)Rising Main to F16 Gravity network to
Existing FW Public Sewer3m dia wet well to provide emergency
storage
(2403 x 85 x 20.4 cu.m)Wet well base level to be supplied by
pump supplier.
For further pump station details refer to
pump supplier drawings.Proposed foul flows
to discharge into
proposed adoptable
FW pumping station.

F16

F13

F12

F11

F10

F9

F8

F7

F6

F5

F4

F3

F2

F1

F0

F-1

F-2

F-3

F-4

F-5

F-6

F-7

F-8

F-9

F-10

F-11

F-12

F-13

F-14

F-15

F-16

F-17

F-18

F-19

F-20

F-21

F-22

F-23

F-24

F-25

F-26

F-27

F-28

F-29

F-30

F-31

F-32

F-33

F-34

F-35

F-36

F-37

F-38

F-39

F-40

F-41

F-42

F-43

F-44

F-45

F-46

F-47

F-48

F-49

F-50

F-51

F-52

F-53

F-54

F-55

F-56

F-57

F-58

F-59

F-60

F-61

F-62

F-63

F-64

F-65

F-66

F-67

F-68

F-69

F-70

F-71

F-72

F-73

F-74

F-75

F-76

F-77

F-78

F-79

F-80

F-81

F-82

F-83

F-84

F-85

F-86

F-87

F-88

F-89

F-90

F-91

F-92

F-93

F-94

F-95

F-96

F-97

F-98

F-99

F-100

F-101

F-102

F-103

F-104

F-105

F-106

F-107

F-108

F-109

F-110

F-111

F-112

F-113

F-114

F-115

F-116

F-117

F-118

F-119

F-120

F-121

F-122

F-123

F-124

F-125

F-126

F-127

F-128

F-129

F-130

F-131

F-132

F-133

F-134

F-135

F-136

F-137

F-138

F-139

F-140

F-141

F-142

F-143

F-144

F-145

F-146

F-147

F-148

F-149

F-150

F-151

F-152

F-153

F-154

F-155

F-156

F-157

F-158

F-159

F-160

F-161

F-162

F-163

F-164

F-165

F-166

F-167

F-168

F-169

F-170

F-171

F-172

F-173

F-174

F-175

F-176

F-177

F-178

F-179

F-180

F-181

F-182

F-183

F-184

F-185

F-186

F-187

F-188

F-189

F-190

F-191

F-192

F-193

F-194

F-195

F-196

F-197

F-198

F-199

F-200

F-201

F-202

F-203

F-204

F-205

F-206

F-207

F-208

F-209

F-210

F-211

F-212

F-213

F-214

F-215

F-216

F-217

F-218

F-219

F-220

F-221

F-222

F-223

F-224

F-225

F-226

F-227

F-228

F-229

F-230

F-231

F-232

F-233

F-234

F-235

F-236

F-237

F-238

F-239

F-240

F-241

F-242

F-243

F-244

F-245

F-246

F-247

F-248

F-249

F-250

F-251

F-252

F-253

F-254

F-255

F-256

F-257

F-258

F-259

F-260

F-261

F-262

F-263

F-264

F-265

F-266

F-267

F-268

F-269

F-270

F-271

F-272

F-273

F-274

F-275

F-276

F-277

F-278

F-279

F-280

F-281

F-282

F-283

F-284

F-285

F-286

F-287

F-288

F-289

F-290

F-291

F-292

F-293

F-294

F-295

F-296

F-297

F-298

F-299

F-300

F-301

F-302

F-303

F-304

F-305

F-306

F-307

F-308

F-309

F-310</