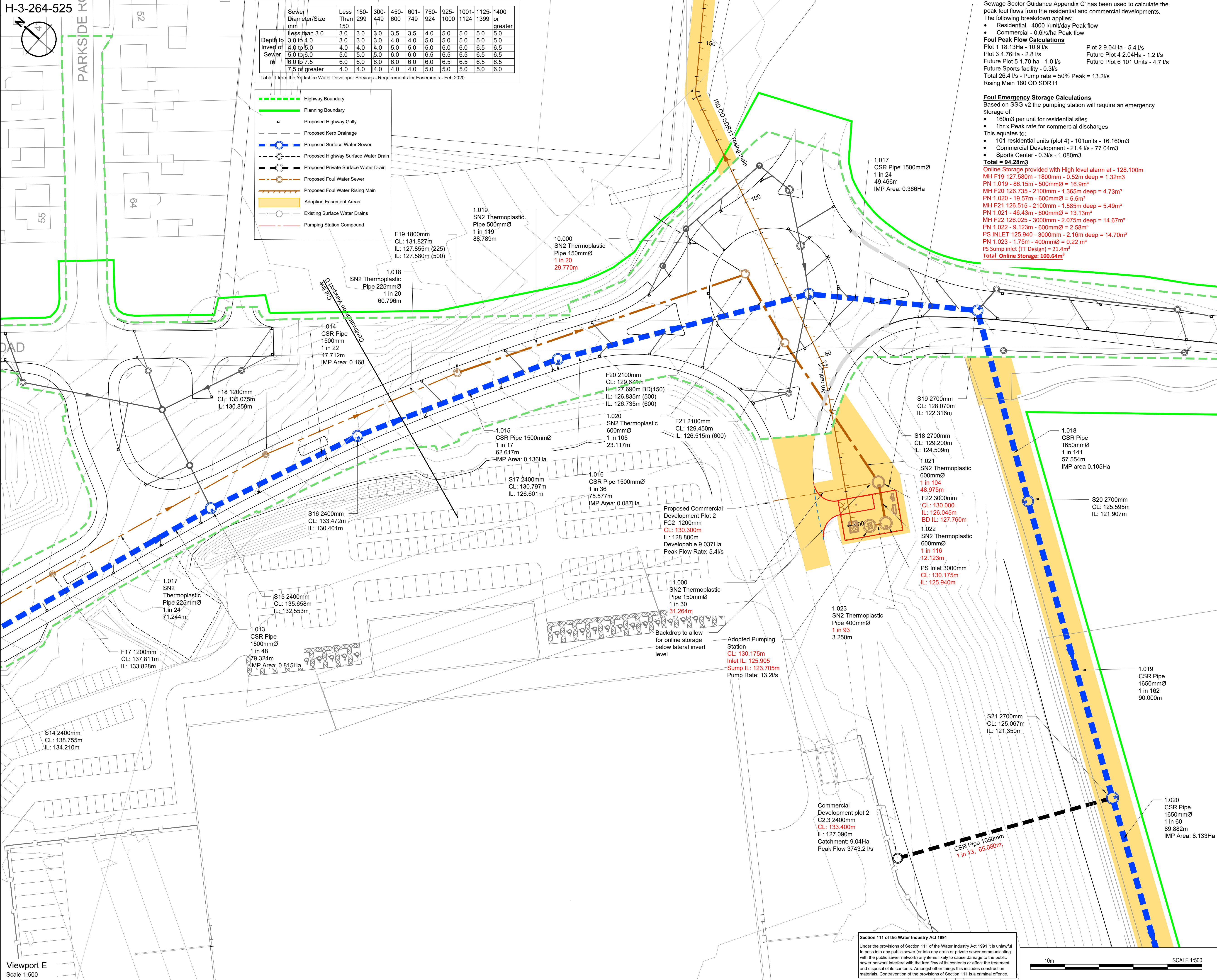


H-3-264-525



Seawall Section Guidance Appendix C has been used to calculate the peak flow flows from the residential and commercial developments.

The following breakdown applies:

- Residential - 4000 Unit/104 Peak flow
- Commercial - 1.6/s/ha Peak flow

Foul Peak Flow Calculations

Plot 1 18.13Ha - 10.9 l/s	Plot 2 9.04Ha - 5.4 l/s
Plot 3 3.76Ha - 2.8 l/s	Future Plot 4 2.04Ha - 1.2 l/s
Future Plot 5 1.70 ha - 1.0 l/s	Future Plot 6 101 Units - 4.7 l/s
Future Sports facility - 0.3/s	
Total 26.4 l/s - Pump rate = 50% Peak = 13.2l/s	
Rising Main 180 OD SDR11	

Pool Emergency Storage Calculations

Based on SSG v.2 the pumping station will require an emergency storage of:

- 160m³ per unit for residential sites
- 1hr x Peak rate for commercial discharges

This equates to:

- 101 residential units (plot 4) - 101units - 16,160m³
- Commercial Development - 21.4 l/s - 77.04m³
- Sports Center - 0.3/l/s - 1.080m³

Total = 94,28m³

Online Storage provided with High level alarm at - 128,100m³

MH F19 1.02m - 1600mm - 0.50mm deep = 1.32m³

PN 1 019 - 86.15m - 500mmØ = 16.9m³

MH F20 1.26m - 2100mm - 1.365m deep = 4.73m³

PN 1 020 - 19.57m - 600mmØ = 5.5m³

MH F21 1.2615m - 2100mm - 1.585m deep = 5.49m³

PN 1 021 - 46.43m - 600mmØ = 13.13m³

MH F22 1.0262m - 3000mm - 2.075m deep = 14.67m³

PN 1 022 - 1.02m - 600mmØ = 0.28m³

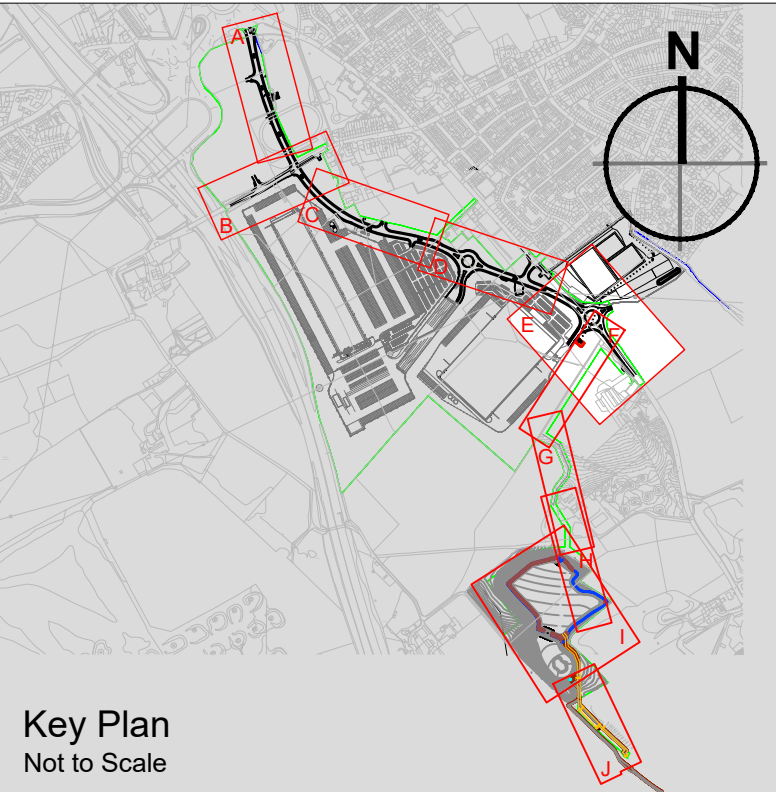
SP INLET 125.94m - 3000mm - 1.17m deep = 14.70m³

PN 1 023 - 1.75m - 400mmØ = 0.22 m³

PS Pump inlet (TT Design) = 21.4m³

Total Online Storage: 100.64m³

- This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any loss or damage, however caused, other than by its client and for any purposes for which it was prepared and provided.
- B If received electronically it is the recipient's responsibility to print to correct scale. Only printed dimensions should be used.
- C This drawing should be read in conjunction with all other relevant drawings and specifications.
- All adoptable sewer works and material to be in accordance with "Code for Adoption". The relevant British and European and Yorkshire Water's Standards/Requirements/Addendums to the Mechanical and Electrical Specification and Kitemarked.
- Manhole covers shall/must have a clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep girders in highways.
1. Hatched ground. 2. Proposed sewer. 3. Existing sewer. 4. Proposed manhole. 5. Existing manhole. 6. Proposed manhole. 7. Proposed manhole. 8. Proposed manhole. 9. Proposed manhole. 10. Proposed manhole. 11. Proposed manhole. 12. Proposed manhole. 13. Proposed manhole. 14. Proposed manhole. 15. Proposed manhole. 16. Proposed manhole. 17. Proposed manhole. 18. Proposed manhole. 19. Proposed manhole. 20. Proposed manhole. 21. Proposed manhole. 22. Proposed manhole. 23. Proposed manhole. 24. Proposed manhole. 25. Proposed manhole. 26. Proposed manhole. 27. Proposed manhole. 28. Proposed manhole. 29. Proposed manhole. 30. Proposed manhole. 31. Proposed manhole. 32. Proposed manhole. 33. Proposed manhole. 34. Proposed manhole. 35. Proposed manhole. 36. Proposed manhole. 37. Proposed manhole. 38. Proposed manhole. 39. Proposed manhole. 40. Proposed manhole. 41. Proposed manhole. 42. Proposed manhole. 43. Proposed manhole. 44. Proposed manhole. 45. Proposed manhole. 46. Proposed manhole. 47. Proposed manhole. 48. Proposed manhole. 49. Proposed manhole. 50. Proposed manhole. 51. Proposed manhole. 52. Proposed manhole. 53. Proposed manhole. 54. Proposed manhole. 55. Proposed manhole. 56. Proposed manhole. 57. Proposed manhole. 58. Proposed manhole. 59. Proposed manhole. 60. Proposed manhole. 61. Proposed manhole. 62. Proposed manhole. 63. Proposed manhole. 64. Proposed manhole. 65. Proposed manhole. 66. Proposed manhole. 67. Proposed manhole. 68. Proposed manhole. 69. Proposed manhole. 70. Proposed manhole. 71. Proposed manhole. 72. Proposed manhole. 73. Proposed manhole. 74. Proposed manhole. 75. Proposed manhole. 76. Proposed manhole. 77. Proposed manhole. 78. Proposed manhole. 79. Proposed manhole. 80. Proposed manhole. 81. Proposed manhole. 82. Proposed manhole. 83. Proposed manhole. 84. Proposed manhole. 85. Proposed manhole. 86. Proposed manhole. 87. Proposed manhole. 88. Proposed manhole. 89. Proposed manhole. 90. Proposed manhole. 91. Proposed manhole. 92. Proposed manhole. 93. Proposed manhole. 94. Proposed manhole. 95. Proposed manhole. 96. Proposed manhole. 97. Proposed manhole. 98. Proposed manhole. 99. Proposed manhole. 100. Proposed manhole. 101. Proposed manhole. 102. Proposed manhole. 103. Proposed manhole. 104. Proposed manhole. 105. Proposed manhole. 106. Proposed manhole. 107. Proposed manhole. 108. Proposed manhole. 109. Proposed manhole. 110. Proposed manhole. 111. Proposed manhole. 112. Proposed manhole. 113. Proposed manhole. 114. Proposed manhole. 115. Proposed manhole. 116. Proposed manhole. 117. Proposed manhole. 118. Proposed manhole. 119. Proposed manhole. 120. Proposed manhole. 121. Proposed manhole. 122. Proposed manhole. 123. Proposed manhole. 124. Proposed manhole. 125. Proposed manhole. 126. Proposed manhole. 127. Proposed manhole. 128. Proposed manhole. 129. Proposed manhole. 130. Proposed manhole. 131. Proposed manhole. 132. Proposed manhole. 133. Proposed manhole. 134. Proposed manhole. 135. Proposed manhole. 136. Proposed manhole. 137. Proposed manhole. 138. Proposed manhole. 139. Proposed manhole. 140. Proposed manhole. 141. Proposed manhole. 142. Proposed manhole. 143. Proposed manhole. 144. Proposed manhole. 145. Proposed manhole. 146. Proposed manhole. 147. Proposed manhole. 148. Proposed manhole. 149. Proposed manhole. 150. Proposed manhole. 151. Proposed manhole. 152. Proposed manhole. 153. Proposed manhole. 154. Proposed manhole. 155. Proposed manhole. 156. Proposed manhole. 157. Proposed manhole. 158. Proposed manhole. 159. Proposed manhole. 160. Proposed manhole. 161. Proposed manhole. 162. Proposed manhole. 163. Proposed manhole. 164. Proposed manhole. 165. Proposed manhole. 166. Proposed manhole. 167. Proposed manhole. 168. Proposed manhole. 169. Proposed manhole. 170. Proposed manhole. 171. Proposed manhole. 172. Proposed manhole. 173. Proposed manhole. 174. Proposed manhole. 175. Proposed manhole. 176. Proposed manhole. 177. Proposed manhole. 178. Proposed manhole. 179. Proposed manhole. 180. Proposed manhole. 181. Proposed manhole. 182. Proposed manhole. 183. Proposed manhole. 184. Proposed manhole. 185. Proposed manhole. 186. Proposed manhole. 187. Proposed manhole. 188. Proposed manhole. 189. Proposed manhole. 190. Proposed manhole. 191. Proposed manhole. 192. Proposed manhole. 193. Proposed manhole. 194. Proposed manhole. 195. Proposed manhole. 196. Proposed manhole. 197. Proposed manhole. 198. Proposed manhole. 199. Proposed manhole. 200. Proposed manhole. 201. Proposed manhole. 202. Proposed manhole. 203. Proposed manhole. 204. Proposed manhole. 205. Proposed manhole. 206. Proposed manhole. 207. Proposed manhole. 208. Proposed manhole. 209. Proposed manhole. 210. Proposed manhole. 211. Proposed manhole. 212. Proposed manhole. 213. Proposed manhole. 214. Proposed manhole. 215. Proposed manhole. 216. Proposed manhole. 217. Proposed manhole. 218. Proposed manhole. 219. Proposed manhole. 220. Proposed manhole. 221. Proposed manhole. 222. Proposed manhole. 223. Proposed manhole. 224. Proposed manhole. 225. Proposed manhole. 226. Proposed manhole. 227. Proposed manhole. 228. Proposed manhole. 229. Proposed manhole. 230. Proposed manhole. 231. Proposed manhole. 232. Proposed manhole. 233. Proposed manhole. 234. Proposed manhole. 235. Proposed manhole. 236. Proposed manhole. 237. Proposed manhole. 238. Proposed manhole. 239. Proposed manhole. 240. Proposed manhole. 241. Proposed manhole. 242. Proposed manhole. 243. Proposed manhole. 244. Proposed manhole. 245. Proposed manhole. 246. Proposed manhole. 247. Proposed manhole. 248. Proposed manhole. 249. Proposed manhole. 250. Proposed manhole. 251. Proposed manhole. 252. Proposed manhole. 253. Proposed manhole. 254. Proposed manhole. 255. Proposed manhole. 256. Proposed manhole. 257. Proposed manhole. 258. Proposed manhole. 259. Proposed manhole. 260. Proposed manhole. 261. Proposed manhole. 262. Proposed manhole. 263. Proposed manhole. 264. Proposed manhole. 265. Proposed manhole. 266. Proposed manhole. 267. Proposed manhole. 268. Proposed manhole. 269. Proposed manhole. 270. Proposed manhole. 271. Proposed manhole. 272. Proposed manhole. 273. Proposed manhole. 274. Proposed manhole. 275. Proposed manhole. 276. Proposed manhole. 277. Proposed manhole. 278. Proposed manhole. 279. Proposed manhole. 280. Proposed manhole. 281. Proposed manhole. 282. Proposed manhole. 283. Proposed manhole. 284. Proposed manhole. 285. Proposed manhole. 286. Proposed manhole. 287. Proposed manhole. 288. Proposed manhole. 289. Proposed manhole. 290. Proposed manhole. 291. Proposed manhole. 292. Proposed manhole. 293. Proposed manhole. 294. Proposed manhole. 295. Proposed manhole. 296. Proposed manhole. 297. Proposed manhole. 298. Proposed manhole. 299. Proposed manhole. 300. Proposed manhole. 301. Proposed manhole. 302. Proposed manhole. 303. Proposed manhole. 304. Proposed manhole. 305. Proposed manhole. 306. Proposed manhole. 307. Proposed manhole. 308. Proposed manhole. 309. Proposed manhole. 310. Proposed manhole. 311. Proposed manhole. 312. Proposed manhole. 313. Proposed manhole. 314. Proposed manhole. 315. Proposed manhole. 316. Proposed manhole. 317. Proposed manhole. 318. Proposed manhole. 319. Proposed manhole. 320. Proposed manhole. 321. Proposed manhole. 322. Proposed manhole. 323. Proposed manhole. 324. Proposed manhole. 325. Proposed manhole. 326. Proposed manhole. 327. Proposed manhole. 328. Proposed manhole. 329. Proposed manhole. 330. Proposed manhole. 331. Proposed manhole. 332. Proposed manhole. 333. Proposed manhole. 334. Proposed manhole. 335. Proposed manhole. 336. Proposed manhole. 337. Proposed manhole. 338. Proposed manhole. 339. Proposed manhole. 340. Proposed manhole. 341. Proposed manhole. 342. Proposed manhole. 343. Proposed manhole. 344. Proposed manhole. 345. Proposed manhole. 346. Proposed manhole. 347. Proposed manhole. 348. Proposed manhole. 349. Proposed manhole. 350. Proposed manhole. 351. Proposed manhole. 352. Proposed manhole. 353. Proposed manhole. 354. Proposed manhole. 355. Proposed manhole. 356. Proposed manhole. 357. Proposed manhole. 358. Proposed manhole. 359. Proposed manhole. 360. Proposed manhole. 361. Proposed manhole. 362. Proposed manhole. 363. Proposed manhole. 364. Proposed manhole. 365. Proposed manhole. 366. Proposed manhole. 367. Proposed manhole. 368. Proposed manhole. 369. Proposed manhole. 370. Proposed manhole. 371. Proposed manhole. 372. Proposed manhole. 373. Proposed manhole. 374. Proposed manhole. 375. Proposed manhole. 376. Proposed manhole. 377. Proposed manhole. 378. Proposed manhole. 379. Proposed manhole. 380. Proposed manhole. 381. Proposed manhole. 382. Proposed manhole. 383. Proposed manhole. 384. Proposed manhole. 385. Proposed manhole. 386. Proposed manhole. 387. Proposed manhole. 388. Proposed manhole. 389. Proposed manhole. 390. Proposed manhole. 391. Proposed manhole. 392. Proposed manhole. 393. Proposed manhole. 394. Proposed manhole. 395. Proposed manhole. 396. Proposed manhole. 397. Proposed manhole. 398. Proposed manhole. 399. Proposed manhole. 400. Proposed manhole. 401. Proposed manhole. 402. Proposed manhole. 403. Proposed manhole. 404. Proposed manhole. 405. Proposed manhole. 406. Proposed manhole. 407. Proposed manhole. 408. Proposed manhole. 409. Proposed manhole. 410. Proposed manhole. 411. Proposed manhole. 412. Proposed manhole. 413. Proposed manhole. 414. Proposed manhole. 415. Proposed manhole. 416. Proposed manhole. 417. Proposed manhole. 418. Proposed manhole. 419. Proposed manhole. 420. Proposed manhole. 421. Proposed manhole. 422. Proposed manhole. 423. Proposed manhole. 424. Proposed manhole. 425. Proposed manhole. 426. Proposed manhole. 427. Proposed manhole. 428. Proposed manhole. 429. Proposed manhole. 430. Proposed manhole. 431. Proposed manhole. 432. Proposed manhole. 433. Proposed manhole. 434. Proposed manhole. 435. Proposed manhole. 436. Proposed manhole. 437. Proposed manhole. 438. Proposed manhole. 439. Proposed manhole. 440. Proposed manhole. 441. Proposed manhole. 442. Proposed manhole. 443. Proposed manhole. 444. Proposed manhole. 445.



P19	PS Details updated to suit comments	SMC	ANT	26.10.2019
Rev	Description	By	Ckd	Date



Sherwood House, Sherwood Avenue,
Newark, Nottinghamshire, NG24 1QQ
T:01636 605 700 E: rpsnewark@rpsgroup.com

Client

newlands
developments

Project Hoyland Common

Title Proposed Drainage GA
S104 Approval
(Sheet 3 of 6)

RPS Project Number	Scale @ A1	Date Created
NK020040	1:500	18.08.2020
Task Team Manager	Information Author	Task Information Manager
SG	JNB	SMC

Status

S4 (Suitable for Stage Approval)

Document Number	Revision
HOYLA-RPS-SI-XX-DR-CR-333	P19

rpsgroup.com

Date Created
18.08.2020

Task Information
Manager
SMC

Revision
P19