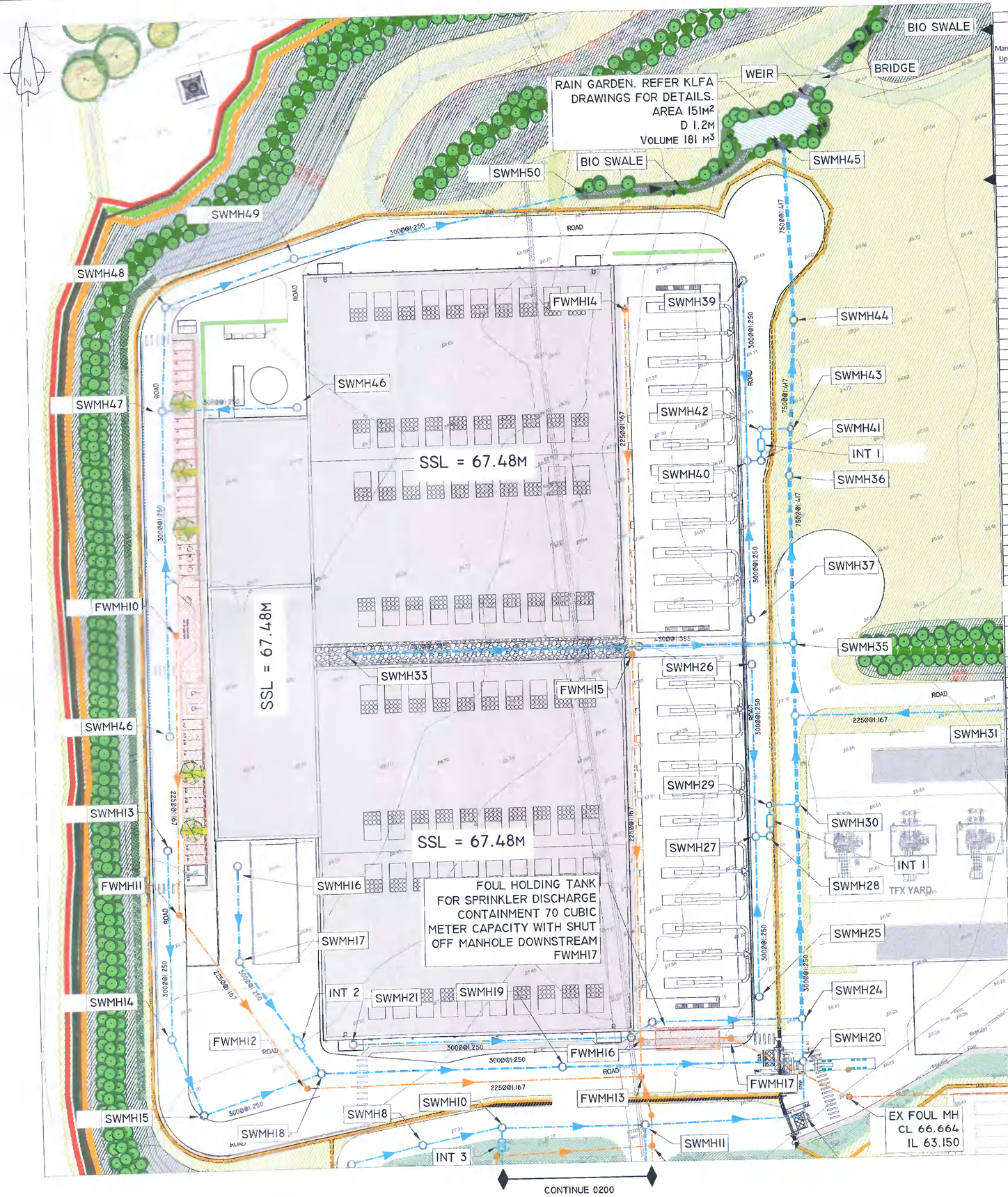


STORMWATER SYSTEM COGEN TO ATTENUATION

| Manhole No Upstream | Cover level m A.O.D | PIPE COVER | DEPTH | MANHOLE Size mm | Material | Cover Type | Invert m A.O.D | Manole No Downstream | Invert m A.O.D | Pipe Size mm | Pipe Ref | Length m | Gradient 1:X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW1 | 67,280 | 1,425 | 1,650 | 1000 | Concrete | D400 | 65,855 | SW3 | 65,647 | 225 | SW1001 | 34,760 | 167 |
| SW2 | 67,280 | 1,500 | 1,800 | 1000 | Concrete | D400 | 65,780 | SW3 | 65,446 | 300 | SW1002 | 58,904 | 227 |
| SW3 | 67,280 | 1,834 | 2,203 | 1000 | Concrete | D400 | 65,446 | SW4 | 65,016 | 375 | SW1003 | 80,500 | 227 |
| SW4 | 67,280 | 2,264 | 2,764 | 1000 | Concrete | D400 | 65,016 | SW11 | 64,631 | 500 | SW1004 | 86,700 | 333 |
| SW5 | 67,280 | 1,425 | 1,800 | 1000 | Concrete | D400 | 65,855 | SW6 | 65,698 | 375 | SW3001 | 88,230 | 313 |
| SW6 | 67,280 | 1,582 | 1,882 | 1000 | Concrete | D400 | 65,698 | SW7 | 65,571 | 300 | SW3002 | 50,980 | 400 |
| SW7 | 67,280 | 1,709 | 2,309 | 1000 | Concrete | D400 | 65,571 | SW8 | 65,239 | 600 | SW3003 | 18,630 | 588 |
| SW8 | 67,280 | 2,041 | 2,641 | 1000 | Concrete | D400 | 65,239 | SW10 | 65,210 | 600 | SW3004 | 17,050 | 588 |
| SW10 | 67,280 | 2,070 | 2,670 | 1000 | Concrete | D400 | 65,210 | SW11 | 65,155 | 600 | SW3005 | 32,210 | 588 |
| SW11 | 67,280 | 2,125 | 2,725 | 1000 | Concrete | D400 | 65,155 | SW12 | 65,094 | 600 | SW1005 | 35,900 | 588 |
| SW12 | 66,700 | 2,069 | 2,669 | 1000 | Concrete | D400 | 64,631 | SW20 | 64,611 | 600 | SW1006 | 11,430 | 588 |
| SW13 | 67,280 | 1,425 | 2,025 | 1000 | Concrete | D400 | 65,855 | SW14 | 65,782 | 600 | SW4001 | 42,790 | 588 |
| SW14 | 67,280 | 1,498 | 2,098 | 1000 | Concrete | D400 | 65,782 | SW15 | 65,752 | 600 | SW4002 | 17,970 | 588 |
| SW15 | 67,280 | 1,528 | 2,128 | 1000 | Concrete | D400 | 65,752 | SW18 | 65,705 | 600 | SW4003 | 27,270 | 588 |
| SW16 | 67,280 | 1,575 | 2,175 | 1000 | Concrete | D400 | 65,705 | SW17 | 65,670 | 600 | SW5001 | 20,640 | 588 |
| SW17 | 67,280 | 1,610 | 2,210 | 1000 | Concrete | D400 | 65,670 | SW18 | 65,616 | 600 | SW5002 | 32,080 | 588 |
| SW18 | 66,900 | 1,284 | 2,084 | 1000 | Concrete | D400 | 65,616 | SW19 | 65,358 | 800 | SW4004 | 44,180 | 769 |
| SW19 | 67,280 | 1,922 | 2,722 | 1000 | Concrete | D400 | 65,358 | SW20 | 65,320 | 800 | SW4005 | 29,113 | 769 |
| SW20 | 66,100 | 0,600 | 1,200 | 1000 | Concrete | D400 | 65,500 | SW24 | 65,547 | 600 | SW1007 | 59,000 | 385 |
| SW21 | 67,280 | 1,250 | 1,600 | 1000 | Concrete | D400 | 66,030 | SW22 | 66,035 | 350 | SW5001 | 64,430 | 263 |
| SW22 | 66,100 | 0,065 | 0,415 | 1000 | Concrete | D400 | 66,035 | SW23 | 66,017 | 350 | SW5002 | 4,740 | 263 |
| SW23 | 66,100 | 0,083 | 0,433 | 1000 | Concrete | D400 | 66,017 | SW24 | 65,885 | 350 | SW5003 | 34,650 | 263 |
| SW24 | 67,280 | 1,733 | 2,483 | 1000 | Concrete | D400 | 65,547 | SW30 | 65,322 | 750 | SW1008 | 59,000 | 263 |
| SW25 | 66,280 | 1,067 | 1,292 | 1001 | Concrete | D400 | 65,213 | SW27 | 65,010 | 225 | SW6001 | 33,940 | 167 |
| SW26 | 66,280 | 1,067 | 1,292 | 1002 | Concrete | D400 | 65,213 | SW27 | 64,982 | 225 | SW6002 | 38,610 | 167 |
| SW27 | 66,280 | 1,298 | 1,523 | 1003 | Concrete | D400 | 64,982 | SW28 | 64,971 | 225 | SW6003 | 1,840 | 167 |
| SW28 | 66,280 | 1,309 | 1,534 | 1004 | Concrete | D400 | 64,971 | SW29 | 64,927 | 225 | SW6004 | 7,310 | 167 |
| SW29 | 66,280 | 1,353 | 1,578 | 1005 | Concrete | D400 | 64,927 | SW30 | 64,896 | 225 | SW6005 | 5,260 | 167 |
| SW30 | 66,280 | 0,958 | 1,708 | 1006 | Concrete | D400 | 65,322 | SW32 | 65,276 | 750 | SW1009 | 19,550 | 417 |
| SW31 | 66,280 | 1,004 | 1,229 | 1007 | Concrete | D400 | 65,276 | SW32 | 64,962 | 225 | SW7001 | 52,400 | 167 |
| SW32 | 66,280 | 1,004 | 1,754 | 1008 | Concrete | D400 | 65,276 | SW35 | 65,249 | 750 | SW1010 | 10,900 | 417 |
| SW33 | 66,280 | 1,031 | 1,481 | 1009 | Concrete | D400 | 65,249 | SW34 | 65,076 | 450 | SW8001 | 66,900 | 385 |
| SW34 | 66,280 | 1,204 | 1,654 | 1010 | Concrete | D400 | 65,076 | SW35 | 64,985 | 450 | SW8002 | 34,830 | 385 |
| SW35 | 66,280 | 1,031 | 1,781 | 1011 | Concrete | D400 | 65,249 | SW36 | 65,158 | 750 | SW1011 | 38,030 | 417 |
| SW36 | 67,280 | 2,122 | 2,872 | 1012 | Concrete | D400 | 65,158 | SW43 | 65,136 | 750 | SW1012 | 9,050 | 417 |
| SW37 | 66,280 | 1,122 | 1,347 | 1012 | Concrete | D400 | 65,158 | SW40 | 64,948 | 225 | SW9001 | 35,090 | 167 |
| SW39 | 66,280 | 1,332 | 1,557 | 1013 | Concrete | D400 | 64,948 | SW40 | 64,705 | 225 | SW9002 | 40,530 | 167 |
| SW40 | 66,280 | 1,575 | 1,800 | 1014 | Concrete | D400 | 64,705 | SW41 | 64,694 | 225 | SW9003 | 1,840 | 167 |
| SW41 | 66,280 | 1,586 | 1,811 | 1015 | Concrete | D400 | 64,694 | SW42 | 64,651 | 225 | SW9004 | 7,310 | 167 |
| SW42 | 66,280 | 1,629 | 1,854 | 1016 | Concrete | D400 | 64,651 | SW43 | 64,615 | 225 | SW9005 | 5,990 | 167 |
| SW43 | 66,280 | 1,144 | 1,894 | 1017 | Concrete | D400 | 65,136 | SW44 | 65,093 | 750 | SW1013 | 24,130 | 556 |
| SW44 | 66,280 | 1,187 | 1,937 | 1018 | Concrete | D400 | 65,093 | SW45 | 65,055 | 750 | SW1014 | 21,320 | 556 |
| SW45 | 66,280 | 1,225 | 1,975 | 1019 | Concrete | D400 | 65,055 | SWALE | 64,985 | 750 | SW1015 | 38,770 | 556 |
| SW46 | 67,280 | 1,425 | 1,650 | 1020 | Concrete | D400 | 65,855 | SW47 | 65,522 | 225 | SW10001 | 75,690 | 227 |
| SW46A | 67,280 | 1,425 | 1,650 | 1021 | Concrete | D400 | 65,855 | SW47 | 65,719 | 225 | SW11001 | 30,870 | 227 |
| SW47 | 67,280 | 1,425 | 1,650 | 1022 | Concrete | D400 | 65,855 | SW48 | 65,750 | 225 | SW10002 | 23,760 | 227 |
| SW48 | 67,280 | 1,530 | 1,755 | 1023 | Concrete | D400 | 65,750 | SW49 | 65,615 | 225 | SW10003 | 30,690 | 227 |
| SW49 | 66,280 | 0,665 | 1,015 | 1024 | Concrete | D400 | 65,615 | SW50 | 65,384 | 350 | SW10004 | 77,060 | 333 |
| SW50 | 66,280 | 0,896 | 1,246 | 1025 | Concrete | D400 | 65,384 | SWALE | 65,301 | 350 | SW10005 | 27,520 | 333 |
| SW54 | 64,100 | -1,284 | -1,059 | 1038 | Concrete | D400 | 65,301 | SW55 | 64,646 | 225 | SW9027 | 65,550 | 100 |
| SW55 | 63,800 | -1,501 | -1,276 | 1039 | Concrete | D400 | 64,646 | EX | 63,993 | 225 | SW9028 | 65,290 | 100 |

FOUL WATER

| Manhole No Upstream | Cover Level m A.O.D | PIPE COVER | DEPTH | MANHOLE Size mm | Material | Cover Type | Invert m A.O.D | Manole No Downstream | Invert m A.O.D | Pipe Size mm | Pipe Ref | Length m | Gradient 1:X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FWMH1 | 67,280 | 1,425 | 1,650 | 1000 | Concrete | D400 | 65,855 | FWMH2 | 65,751 | 225 | FW1001 | 17,450 | 167 |
| FWMH2 | 67,280 | 1,529 | 1,754 | 1000 | Concrete | D400 | 65,751 | FWMH3 | 65,666 | 225 | FW1002 | 14,100 | 167 |
| FWMH3 | 67,280 | 1,614 | 1,839 | 1000 | Concrete | D400 | 65,666 | FWMH4 | 65,211 | 225 | FW1003 | 76,030 | 167 |
| FWMH4 | 67,280 | 2,069 | 2,294 | 1000 | Concrete | D400 | 65,211 | FWMH8 | 64,756 | 225 | FW1004 | 76,030 | 167 |
| FWMH5 | 67,280 | 1,125 | 1,350 | 1000 | Concrete | D400 | 66,155 | FWMH6 | 65,717 | 225 | FW2001 | 73,120 | 167 |
| FWMH6 | 67,280 | 1,563 | 1,788 | 1000 | Concrete | D400 | 65,717 | FWMH7 | 65,279 | 225 | FW2002 | 73,120 | 167 |
| FWMH7 | 67,280 | 2,001 | 2,226 | 1000 | Concrete | D400 | 65,279 | FWMH8 | 65,063 | 225 | FW2003 | 36,130 | 167 |
| FWMH8 | 67,280 | 2,524 | 2,749 | 1000 | Concrete | D400 | 64,756 | FWMH9 | 64,721 | 225 | FW1005 | 5,780 | 167 |
| FWMH9 | 67,280 | 2,559 | 2,784 | 1000 | Concrete | D400 | 64,721 | FWMH13 | 64,673 | 225 | FW1006 | 8,030 | 167 |
| FWMH10 | 67,280 | 1,425 | 1,650 | 1000 | Concrete | D400 | 65,855 | FWMH11 | 65,467 | 225 | FW3001 | 64,830 | 167 |
| FWMH11 | 66,700 | 1,944 | 2,169 | 1000 | Concrete | D400 | 64,756 | FWMH12 | 64,458 | 225 | FW3002 | 49,610 | 167 |
| FWMH12 | 67,280 | 1,425 | 1,650 | 1000 | Concrete | D400 | 65,855 | FWMH13 | 65,389 | 225 | FW3003 | 77,850 | 167 |
| FWMH13 | 66,280 | 1,607 | 1,832 | 1000 | Concrete | D400 | 64,673 | FWMH16 | 64,565 | 225 | FW1007 | 17,970 | 167 |
| FWMH14 | 66,280 | 1,607 | 1,832 | 1000 | Concrete | D400 | 64,673 | FWMH15 | 64,187 | 225 | FW4001 | 81,140 | 167 |
| FWMH15 | 66,280 | 2,093 | 2,318 | 1000 | Concrete | D400 | 64,187 | FWMH16 | 63,653 | 225 | FW4002 | 89,200 | 167 |
| FWMH16 | 66,280 | 1,715 | 1,940 | 1000 | Concrete | D400 | 64,565 | TANK | 63,542 | 225 | FW1008 | 3,960 | 167 |
| TANK | 66,100 | 2,558 | 2,783 | 1000 | Concrete | D400 | 63,542 | FWMH17 | 63,534 | 225 | FW1009 | 2,270 | 300 |
| FWMH17 | 66,450 | 2,916 | 3,142 | 1001 | Concrete | D400 | 63,534 | EXFWMH | 63,346 | 226 | FW1010 | 31,250 | 167 |

## GENERAL NOTES

1. DO NOT SCALE THIS DRAWING. WORK ONLY TO FIGURED DIMENSIONS.
2. FOR ALL RELEVANT NOTES, REFER TO STRUCTURAL AND CIVIL ENGINEERING PERFORMANCE SPECIFICATION.
3. ANY DISCREPANCIES ARE TO BE REPORTED TO PINNACLE CONSULTING ENGINEERS IMMEDIATELY.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS. ARCHITECTS AND SUB-CONTRACTORS DRAWINGS AND DETAILS.

LEGEND

- EXISTING PRIVATE FOUL WATER SEWER
- PROPSD SURFACE WATER SEWER
- PROPOSED FOUL WATER SEWER
- PROPOSED SURFACE WATER CHANNEL
- PROPOSED FOUL WATER CHANNEL
- PROPOSED PERMEABLE PAVING CAR PARK

| REV | DESCRIPTION | BY | CHK | DATE |
|---|---|---|---|---|
| P04 | DRAWING UPDATED | FJWR | SOR | NOV '21 |
| P03 | DRAWING UPDATED | AMB | SO'R | JULY '21 |
| P02 | DRAWING AMENDED | AMB | SO'R | JULY '21 |

CLIENT
EDGECONNEX

PROJECT
EDCDUB05
& GAS PLANT
-

DRAWING TITLE
DRAINAGE LAYOUT
DATA CENTRE AREA
-

PINNACLE CONSULTING ENGINEERS
GROSVENOR COURT,
67A PATRICK STREET,
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WELWYN GARDEN CITY I NORWICH I LONDON I THE HAGUE

DRAWING STATUS
PLANNING

| SCALE @ A1 | DATE | DRAWN BY | CHECKED |
|---|---|---|---|
| 1:500 | DEC '20 | JM | JKM |

DRG NO. PIN20II07-ZZ-ZZ-DR-DR-0201
REVISION P04

REF. P20II07