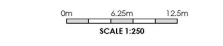


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DO NOT SCALE (A1)

NOTES

- DRAINAGE NOTES**
1. ALL SITE DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH BS EN 752:2008 DRAINAGE AND SEWER SYSTEMS OUTSIDE BUILDINGS AND CURRENT BUILDING REGULATIONS AND THE LOCAL AUTHORITY BUILDING CONTROL SPECIFICATIONS AND REQUIREMENTS.
 2. ANY DRAINAGE TO BE RUN FORWARD FOR ADOPTION OTHER THAN THE SITE OR OUTSIDE SHALL BE CONSTRUCTED TO SEVER FOR ADOPTION UNDER CURRENT AND ANY SPECIFIC REQUIREMENTS OF THE ADOPTING SEWER/DRAINAGE AUTHORITY.
 3. THE LOCATION, SIZE AND DEPTH OF ALL EXISTING DRAINAGE WORKS AND SERVICES SHALL BE IDENTIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS ON SITE. ANY DISCREPANCIES FROM THE INFORMATION PROVIDED ON THESE DRAWINGS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 4. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD ANY EXISTING LIVE DRAINAGE BE FOUND WITHIN THE SITE BOUNDARY SERVING ADJACENT PROPERTIES.
 5. ALL EXISTING DRAINAGE WITHIN THE SITE NOT REQUIRED FOR THE NEW DEVELOPMENT SHALL BE ABANDONED. SERVICE AND SEWERS LESS THAN 1.500m DEEP WHICH ARE IN OPEN GROUND SHOULD AS FAR AS PRACTICABLE BE RELOCATED TO OTHER PARTS OF THE SITE. ALL EXISTING DRAINAGE SHALL BE RELOCATED TO OTHER PARTS OF THE SITE. ALL EXISTING DRAINAGE SHALL BE RELOCATED TO OTHER PARTS OF THE SITE. ALL EXISTING DRAINAGE SHALL BE RELOCATED TO OTHER PARTS OF THE SITE. ALL EXISTING DRAINAGE SHALL BE RELOCATED TO OTHER PARTS OF THE SITE.
 6. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT AND PROVISION OF WORKS AS NECESSARY TO ALL EXISTING SERVICES TO THE SATISFACTION OF THE RELEVANT COMPANIES.
 7. THE CONTRACTOR SHALL ALLOW FOR DEALING WITH SURFACE WATER RUN OFF FROM BUILDINGS AND FROM GROUNDWATER BY MEANS OF DUMPS, PUMPING AND DEWATERING AS APPROPRIATE. WORKS SHALL BE CONDUCTED WITH DILIGENCE AS FAR AS POSSIBLE DURING THE CONSTRUCTION OF THE WORKS.
 8. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS IN LINE WITH CURRENT LEGISLATION WHEN WORKING NEAR EXISTING SERVICES, DEEP EXCAVATIONS AND MACHINERY.
 9. THE CONTRACTOR SHALL ALLOW FOR OPENING ALL APPROVALS FROM THE RELEVANT AUTHORITIES BY WORKING IN THE PUBLIC HIGHWAY AND ON THE DRAINAGE SYSTEM.
 10. THE CONTRACTOR SHALL SURVEY, PROTECT, FENCE AND VEHICLES FROM WORKING AREAS.
 11. ALL MANHOLE CHAMBER COVER LEVELS ARE APPROXIMATE AND SHALL BE ADJUSTED ON SITE TO SUIT THE PROPOSED FINISHED LEVELS.
 12. ALL PIPES SHALL BE Laid WITH LEVELS, SLOPES AND ALL MANHOLE CHAMBER COVER LEVELS AS SHOWN ARE FOR THE CUT ONLY PRELIMINARY. ON THE DRAWING INDICATE ALL PIPE GRADIENTS INDICATED ON THESE DRAWINGS ARE APPROXIMATE ONLY.
 13. ALL PIPE CONNECTIONS FROM DRAINAGE CHAMBERS AND GULLIES SHALL BE 200mm PIPES AT A MINIMUM GRADE OF 1:100 WITH CLASS B BEDDING PIPES.
 14. ALL PIPE CONNECTIONS FROM PIPES TO BE 100mm AT 1:100 AND ALL PIPE CONNECTIONS FROM PIPES TO FIRST CHAMBER SHALL BE 100mm AT 1:100 AND UNDER EXTERNALS WHERE COVER IS LESS THAN 1.5m AND COVER DRAINAGE LEGATIONS OF PIPES AND WELLS TO BE CONFIRMED BY THE ARCHITECT AND ARE SHOWN INDICATIVE ONLY.
 15. ALL SYNCHRONIC RWP SYSTEMS TO BE DESIGNED BY OTHER PERSON FROM DOWN PIPE TO FIRST MANHOLE TO BE USED DESIGNED BY SYNCHRONIC SYSTEM DESIGNER. THE FIRST MANHOLE TO HAVE AN OPEN GRADE COVER SAFE GOSAIN WATERWAY 2000. CHECK OF SLOPE APPROVED.
 16. SUITABLY SIZED METEOL. METERWORKERS MUST COMPLY WITH THE REQUIREMENTS OF THE VPIRGA RULES AND USE STORAGE CAPACITY AND HIGH LEVEL HYDROCARBON ALARM WIRING BACK TO A MANHOLED OFFICE.
 17. UPON COMPLETION OF THE DRAINAGE WORKS THE CONTRACTOR SHALL CLEAN ALL DRAIN RUNS BY JETTING AND REMOVE ALL DEBRIS FROM THE SITE. DEBRIS SHALL BE PERMITTED TO ENTER THE PUBLIC SEWER AND/OR WATERCOURSE SYSTEM. ONCE THE DRAINAGE SYSTEM HAS BEEN FULLY CLEANED OUT, A CCTV CAMERA CONDITION SURVEY SHALL BE UNDERTAKEN TO ALL IDENTIFIED DRAINAGE AND SEWER PIPES WITH THE FOOTAGE ISSUED TO THE ENGINEER FOR VIEW. THE AS BUILT WATER AND COVER LEVELS SHALL BE RECORDED BY THE CONTRACTOR AND PASSED ON TO THE ENGINEER FOR REVIEW.



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date valid 14/06/2021

Project: EDEN BUSINESS PARK MALTON

Drawing Title: UNIT 8 PROPOSED DRAINAGE LAYOUT

REV	DESCRIPTION	DATE	CHK	BY
R05	DRAINAGE LAYOUT UPDATED	07/06/21	RMR	JAC
R04	PIPE SIZES BY 50mm	10/06/21	RMR	JAC
R03	RAINWATER PIPES ADDED	27/06/21	RMR	JAC
R02	GENERAL UPDATE	27/06/21	RMR	JAC
R01	FIRST ISSUE	25/03/21	RMR	JAC

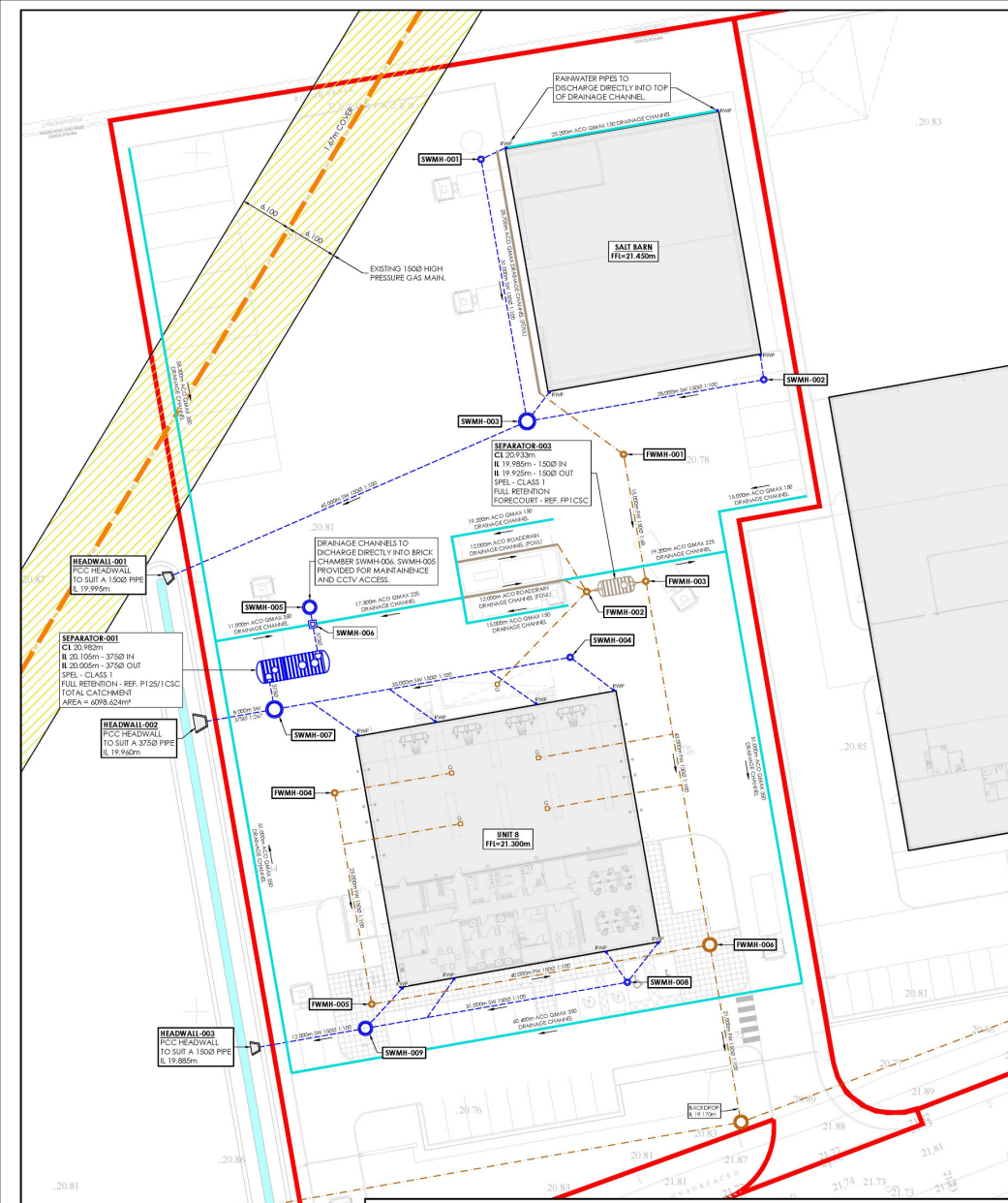
Project: EDEN BUSINESS PARK MALTON

Drawing Title: UNIT 8 PROPOSED DRAINAGE LAYOUT

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UNIT 8 - FOUL WATER MANHOLE SCHEDULE

REF.	COVER LEVEL	INVERT LEVEL	SUMP DEPTH	DEPTH	EASTING	NORTHING	DIAMETER	TYPE	COVER
001	21.231m	20.030m - 1500 OUT	0.000m	1.201m	47999.804	47384.851	4500	PPIC	450x450 - CLASS D400
002	20.933m	20.020m - 1500 OUT	0.000m	0.913m	47995.610	47384.864	4500	PPIC	450x450 - CLASS D400
003	20.933m	19.810m - 1500 IN 19.810m - 1500 OUT	0.000m	1.123m	48002.404	47385.078	4500	PPIC	450x450 - CLASS D400
004	21.087m	20.110m - 1500 OUT	0.000m	0.977m	47996.131	47382.416	4500	PPIC	450x450 - CLASS D400
005	21.183m	19.840m - 1500 IN 19.780m - 1500 OUT	0.000m	1.403m	47970.445	47380.794	4500	PPIC	450x450 - CLASS D400
006	21.171m	19.380m - 1500 IN 19.380m - 1500 OUT	0.000m	1.791m	48009.889	473807.729	12000	TYPE B	600x600 - CLASS D400

UNIT 8 - SURFACE WATER MANHOLE SCHEDULE

REF.	COVER LEVEL	INVERT LEVEL	SUMP DEPTH	DEPTH	EASTING	NORTHING	DIAMETER	TYPE	COVER
HEADWALL-001	N/A	19.995m - 1500 IN	N/A	N/A	479947.289	473850.787	N/A	N/A	N/A
HEADWALL-002	N/A	19.960m - 3750 IN	N/A	N/A	479951.239	473833.765	N/A	N/A	N/A
HEADWALL-003	N/A	19.885m - 1500 IN	N/A	N/A	479957.412	47375.815	N/A	N/A	N/A
001	21.412m	20.755m - 1500 OUT	0.000m	0.657m	479983.193	473899.237	4500	PPIC	450x450 - CLASS D400
002	21.375m	20.725m - 1500 OUT	0.000m	0.650m	48001.614	473873.561	4500	PPIC	450x450 - CLASS D400
003	21.375m	20.445m - 1500 IN 20.445m - 1500 OUT	0.500m	1.430m	479988.568	473868.707	15000	TYPE B	600x600 - CLASS D400
004	21.063m	20.565m - 1500 OUT	0.000m	0.498m	479993.590	473841.213	4500	PPIC	450x450 - CLASS D400
005	20.950m	20.130m - 3750 OUT	0.000m	0.820m	479963.221	473847.041	12000	TYPE E	600x600 - CLASS D400
006	20.900m	20.120m - 3750 IN 20.120m - 3750 OUT	0.000m	0.780m	479963.568	473845.071	460 x 460	BRICK	N/A
007	20.995m	19.990m - 3750 IN 20.215m - 1500 IN 19.990m - 3750 OUT	0.500m	1.505m	479959.119	473835.151	15000	TYPE B	600x600 - CLASS D400
008	21.020m	20.320m - 1500 OUT	0.000m	0.700m	48000.253	473803.356	4500	PPIC	450x450 - CLASS D400
009	21.142m	20.010m - 1500 IN 20.010m - 1500 OUT	0.500m	1.632m	479969.723	473797.982	12000	TYPE E	600x600 - CLASS D400

