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ON ORIGINAL

0 5 10 15 20 25 30 40 50mm

NOTES:
GENERAL NOTES:
1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE WORKS REQUIREMENTS.
2. ALL DIMENSIONS IN METRES UNLESS SPECIFIED OTHERWISE.
3. ALL CO-ORDINATES ARE TO IRISH TRANSVERSE MERCATOR.
4. ALL LEVELS ARE TO ORDNANCE DATUM (MALIN HEAD).
5. ALL TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT SHALL COMPLY FULLY WITH THE WORKS REQUIREMENTS.
6. THE CONTRACTOR MUST LIAISE DIRECTLY WITH LOCAL AUTHORITY DEPARTMENTS AS DIRECTED IN THE WORKS REQUIREMENTS.
7. ALL VEHICULAR & PEDESTRIAN, CYCLE & PRIVATE ACCESS ROUTES WITHIN AND SURROUNDING THE WORKS EXTENTS MUST BE MAINTAINED THROUGHOUT THE WORKS IN ACCORDANCE WITH THE CONTRACTORS APPROVED TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT PLAN.

DRAWING SPECIFIC NOTES
1. ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
2. CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF EXISTING DRAINAGE LEVELS & SERVICES ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE
3. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE NRA SPECIFICATION FOR ROAD WORKS UNLESS NOTED OTHERWISE.
4. MANHOLE COVER LEVELS ARE TO CONFORM WITH FINISHED ROAD AND PATH LEVELS
5. ALL DRAINAGE TO BE AS PER THE LOCAL AUTHORITY CODE OF PRACTICE FOR DRAINAGE WORKS/LOCAL AUTHORITY & IRISH WATER REQUIREMENTS.
6. ALL EXTERNAL COLLECTOR DRAINS TO BE MINIMUM 150 mm DIA.
7. ALL FOUL SEWERS TO BE CONCRETE OR WAVIN SPEC AS PER IRISH WATER SPECIFICATION, AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE.
7. ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN1916 & IS 6 2004.
8. THIS DRAWING IS BASED ON TOPO SURVEY BY J&L SURVEY LIMITED. DATED 11/12/2017
9. CONTRACTOR SHALL INSPECT THE ROUTE & CONFIRM LOCATIONS OF ALL TREES, FEATURES, ENTRANCES & ASPECTS IMPACTING CONSTRUCTION OF THE WORKS

LEGEND
- PROPOSED EXTENT OF WORKS BOUNDARY
- PERMEABLE PAVING (PRIVATE)
- PERMEABLE PAVING (MANAGEMENT COMPANY)
- 99.99 PROPOSED ROAD LEVEL
- FFL 99.999 FINISHED FLOOR LEVEL
- FFL- STEP
- S1 PROPOSED SURFACE WATER SEWER
- G SG PROPOSED SURFACE WATER GULLY AND 150Ø COLLECTOR PIPE
- PROPOSED SUDS CONNECTION TO TREE PIT
- SW INSPECTION CHAMBER AND 100mmØ UPVc HOUSE DRAIN
- SURFACE WATER DIFFUSER BOX
- UNDERGROUND ATTENUATION STORAGE (STORMTECH)
- DRAINAGE STONE LAYER
- PROPOSED TREE PIT
- PROPOSED SURFACE WATER SWALE WITH GRATED OUTLET
- PROPOSED DETENTION BASIN
- EXISTING OPEN DRAIN/DITCH
- RELOCATED OPEN DRAIN/DITCH
- EXISTING OPEN DRAIN TO BE INFILLED
- F1 PROPOSED FOUL WATER SEWER
- F1 FOUL MANHOLES IN GRASSED AREAS TO HAVE 200mm CONCRETE PLINTH (100mm DEEP) WITH C20/25 CONCRETE (20mm AGG)
- FOUL INSPECTION CHAMBER AND 100mmØ UPVc HOUSE DRAIN
- EXISTING WATERMAIN
- EX MH CL 78.84 IL 77.37 EX SW SEWER
- EX MH CL 78.9 IL 76.88 EX FOUL SEWER
- DECOMMISSIONED SEWER

RE-ROUTED DRAIN TO BE PIPE WITH A 600Ø SW PIPE

RE-ROUTED GOLF COURSE DRAIN RE-ROUTED AT A GRADIENT OF 1:285

CLASS 1 BYPASS SEPARATOR (KINSPAN NSBE004 OR SIMILAR APPROVED)

FLOW CONTROL MANHOLE LIMITING FLOWS FROM CATCHMENT 2.2 TO 9.35l/s

BED LEVEL BASIN
IL: 69.787
TWL: 70.952
VOLUME PROVIDED 1282.64m³

RE-ROUTED GOLF COURSE DRAIN TO TIE BACK IN WITH EXISTING OPEN DRAIN AT THIS POINT AT BED LEVEL 68.99

EX BED LEVEL 68.99

SITE 2 : CATCHMENT 2

PROPOSED SURFACE WATER DETENTION BASIN TO STORE RUN OFF FROM 1% AEP (ANNUAL EXCEEDANCE PROBABILITY) STORM EVENT

STORAGE VOLUME REQUIRED (1075.9m³)
TOTAL STORAGE VOLUME (1282.64m³) PROVIDED BY ABOVE GROUND DETENTION BASIN

POND DEPTH: 1.092m
BASIN IL: 69.787
TWL: 70.879
FGL: 71.260 - 72.260
SIDE SLOPES 1:5

PROPOSED BED LEVEL 69.95

INTERCEPT AND RELOCATE EXISTING OPEN DRAIN WITH DIMENSIONS TO MATCH EXISTING OPEN DRAIN. WIDTH 6m AT A GRADIENT OF 1:285

PROPOSED OUTFALL TO EXISTING RELOCATED DRAIN AT IL 70.40

EXISTING GOLF COURSE DRAIN RELOCATED TO THIS POSITION

CLASS 1 BYPASS SEPARATOR (KINSPAN NSBE004 OR SIMILAR APPROVED)

REDUNDANT DRAIN TO BE FILLED IN

REDUNDANT DRAIN TO BE FILLED IN

FLOW CONTROL MANHOLE LIMITING FLOWS FROM CATCHMENT 2.1 TO 3.6l/s

EXISTING DRAIN TO BE TO BE INTERCEPTED AND PIPED / REROUTED AS SHOWN

EXISTING DRAIN TO BE FILLED IN

PROPOSED CULVERT CROSSING

SITE 3 : CATCHMENT 4

PROPOSED BELOW GROUND STORMTECH SC-740 TANK TO STORE RUN OFF FROM 1% AEP (ANNUAL EXCEEDANCE PROBABILITY) STORM EVENT

STORAGE VOLUME REQUIRED (318.6m³)
TOTAL PROVIDED STORAGE VOLUME (318.6m³) PROVIDED BY BELOW GROUND STORMTECH SC-740 TANK

TANK IL: 69.044

TANK TWL: 70.104

BED LEVEL BASIN
IL: 69.845
TWL: 71.077
VOLUME PROVIDED 306.91m³

FLOW CONTROL MANHOLE LIMITING FLOWS FROM RELOCATED BELLINGSMORE BASINS TO 32.3l/s

EXISTING SURFACE WATER OUTFALL FROM BELLINGMORE RESIDENTIAL DEVELOPMENT TO BE INTERCEPTED AND REDIRECTED TO UPPER DETENTION BASIN

LIST OF IRISH WATER WASTEWATER STANDARD DETAILS BROUGHT INTO THE CONTRACT

STD-WW-02	TYPICAL LAYOUT FOR SEWER WITHIN NEW DEVELOPMENT
STD-WW-03	DRAIN AND SERVICE CONNECTION PIPEWORK
STD-WW-04	TYPICAL SEWER/SERVICE PIPE CONNECTION
STD-WW-05	TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES
STD-WW-06	RESTRICTIONS ON TREES/SHRUBS PLANTING ADJACENT TO SEWERS
STD-WW-07	TRENCH BACKFILL & BEDDING
STD-WW-08	CONCRETE BED, HAUNCH & SURROUND TO WASTEWATER PIPES
STD-WW-09	BLOCKWORK MANHOLE (<450mmØ)
STD-WW-10	PRE-CAST CONCRETE MANHOLE
STD-WW-11	IN-SITU CONCRETE MANHOLE
STD-WW-12	BACKDROP MANHOLES
STD-WW-13	PRIVATE SIDE INSPECTION CHAMBER
STD-WW-14	THRUST BLOCKS FOR RISING MAINS
STD-WW-15	SCOUR VALVE CHAMBER (FOUL RISING MAIN <200mmØ)
STD-WW-16	SLUICE VALVE DETAILS FOR RISING MAINS DUCTILE IRON (D.I) PIPE (<200mmØ)(SHEET 1 OF 2)
STD-WW-17	SLUICE VALVE DETAILS FOR RISING MAIN POLYETHYLENE (P.E) PIPE (<200mmØ)(SHEET 2 OF 2)
STD-WW-18	AIR VALVE CHAMBER (FOUL RISING MAIN <200mmØ)
STD-WW-19	DUCT CHAMBER
STD-WW-20	EMERGENCY OVERFLOW STRUCTURE
STD-WW-21	TYPICAL DITCH/STREAM CROSSING FOR GRAVITY MAIN (SHEET 1 OF 2)
STD-WW-22	TYPICAL DITCH/STREAM CROSSING FOR RISING MAIN (SHEET 2 OF 2)
STD-WW-23	TYPICAL BRIDGE CROSSING FOR RISING MAIN (SHEET 1 OF 2)
STD-WW-24	TYPICAL BRIDGE CROSSING FOR RISING MAIN (SHEET 2 OF 2)
STD-WW-25	SECURITY GATE & FENCING
STD-WW-26	INDICATIVE PUMPING STATION LAYOUT
STD-WW-27	FLOW METER CHAMBER (FOUL RISING MAIN <200mmØ)
STD-WW-28	INDICATIVE SUBMERSIBLE PUMPING STATION
STD-WW-28A	INDICATIVE PRE-CAST CONCRETE SUBMERSIBLE PUMPING STATION
STD-WW-29	RISING MAIN DISCHARGE MANHOLE
STD-WW-30	KIOSK TYPE 1 PUMPING STATION & WET KIOSK (SHEET 1 OF 2)
STD-WW-31	KIOSK TYPE 2 + 3 PUMPING STATION & WET KIOSK (SHEET 2 OF 2)
STD-WW-32	HARDSTANDING AREA PUMPING STATION (PERMEABLE & IMPERMEABLE)
STD-WW-33	LAMP BOLLARD & LAMP STANDARD
STD-WW-34	VENT STACK

rev	date	description	by	chkd.
P02	03-12-21	STAGE 3 SHD PLANNING	RMC	BM
P01	07-04-21	STAGE 2 SHD PLANNING	GMC	DMW

client approval: A - Approved; B - Approved with comments; C - Do not use

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