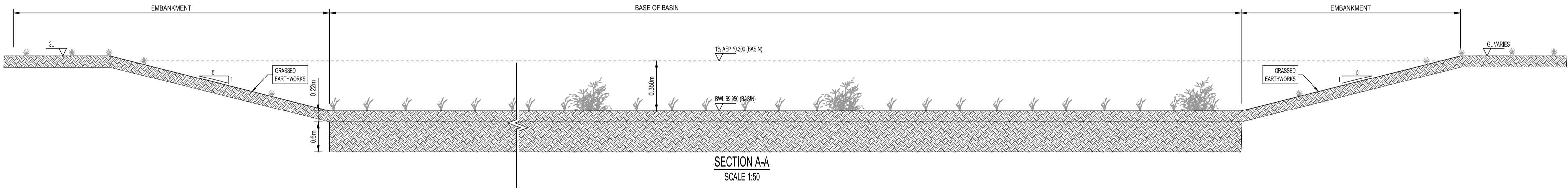
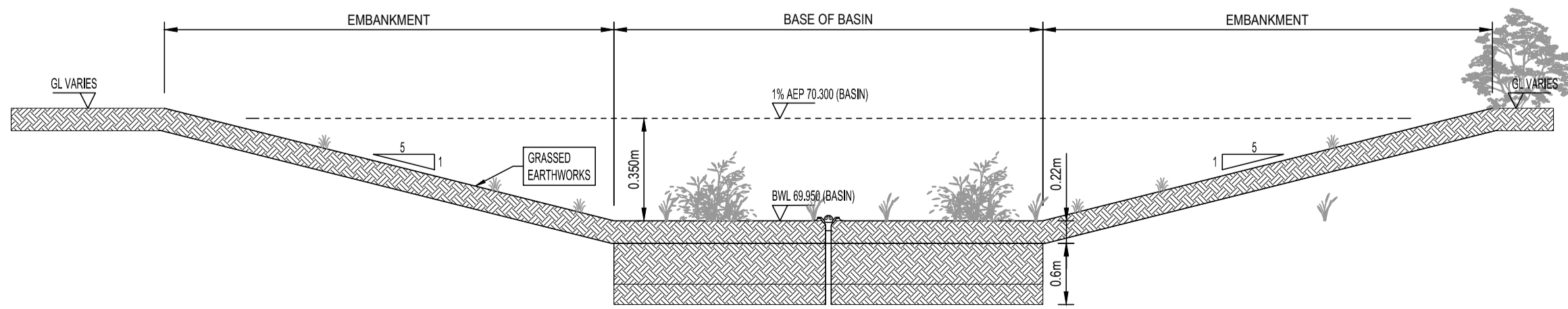


PLAN OF TYPICAL ABOVE GROUND  
ATTENUATION STORAGE  
SCALE 1:250



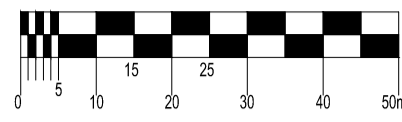
SECTION A-A  
SCALE 1:50



SECTION B-B  
SCALE 1:50

© COPYRIGHT OF THIS DRAWING IS RESERVED BY DBFL CONSULTING ENGINEERS. NO PART SHALL BE REPRODUCED OR TRANSMITTED WITHOUT THEIR WRITTEN PERMISSION.

ON ORIGINAL



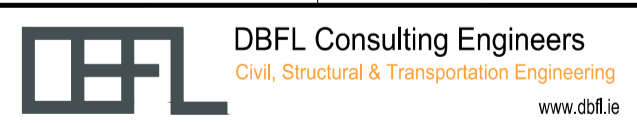
- NOTES:
- GENERAL NOTES:
1. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
  2. ALL DIMENSIONS IN METRES UNLESS SPECIFIED OTHERWISE.
  3. ALL CO-ORDINATES ARE TO IRISH TRANSVERSE MERCATOR.
  4. ALL LEVELS ARE TO ORDNANCE DATUM (MUN HEAD).
  5. ALL TEMPORARY TRAFFIC & OPERATIONS MANAGEMENT SHALL COMPLY FULLY WITH THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
  6. THE CONTRACTOR MUST liaise DIRECTLY WITH LOCAL AUTHORITY DEPARTMENTS AS DIRECTED IN THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
  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 MANAGEMENT PLAN & CONSTRUCTION MANAGEMENT PLAN.

- DRAINAGE 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 & THE LOCATION OF EXISTING 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 AND SURFACE WATER DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY'S CODE OF PRACTICE FOR DRAINAGE AND THE GDSIS.
  5. ALL FLOOD DRAINAGE WORKS TO BE IN ACCORDANCE WITH IRISH WATERS CODE OF PRACTICE FOR WASTEWATER SUPPLY AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
  6. FLOOD SEWERS TO BE CONCRETE PIPES (SPIGOT AND SOCKET JOINTS) AND RUBBER RING FITTINGS COMPLYING WITH BS EN 1596 OR THERMOPLASTIC STRUCTURED WALL PIPES (COMPLYING WITH THE PROVISION OF BS EN 15478 AND VMS 4-35-01 2000) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE.
  7. ALL SURFACE WATER SERVICES TO BE CLASS-H CONCRETE TO EN 1916 & BS 6 2004.
  8. SURFACE WATER COLLECTOR DRAINS 150mm DIA.
  9. FLOOD CONNECTIONS TO BE 100mm DIA.
  10. CONTRACTOR SHALL INSPECT THE ROUTE & CONFIRM LOCATIONS OF ALL TREES, FEATURES, ENTRANCES & ASPECTS IMPACTING CONSTRUCTION OF THE WORKS.
  11. NOTE THAT THE CONTRACTOR AND/OR ARCHITECT ARE RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.

- WATERMAIN NOTES:
1. WATERMAIN INSTALLATION AND ALL WATER SUPPLY WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATERS CODE OF PRACTICE FOR WATER SUPPLY AND WATER INFRASTRUCTURE STANDARD DETAILS.
  2. WATERMANS AND SERVICE CONNECTIONS TO BE PE-HD SUR-17 AND SHALL CONFORM TO BS EN 12201 PART 1, PART 1 & PART 2.
  3. AT 90 DEG. TURNS USE 2 No. 45 DEG. BENDS.
  4. COVER TO WATERMAIN TO BE 40mm.
  5. CONNECTION BETWEEN EXISTING AND PROPOSED WATERMANS TO BE CARRIED OUT IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-03 TO STD-W-16.
  6. ANCHOR BOLDS TO BE POSITIONED AT DEAD ENDS, TEES, BENDS AND AT EACH SIDE OF HYDRANTS AND VALVES IN ACCORDANCE WITH THE REQUIREMENTS OF IRISH WATER STANDARD DETAIL STD-W-28 (WATER MAIN THRUST AND SUPPORT BLOCKS).
  7. HYDRANT OUTLET TO BE 200mm BELOW GROUND LEVEL UNLESS REQUESTED OTHERWISE.
  8. WHERE COVER TO PIPE IS LESS THAN 800mm IN GREEN AREAS AND 1200mm IN TRAFFICKED AREAS, ENCASE PIPE IN NEW 150mm CONCRETE WITH MOVEMENT JOINTS.
  9. NOTE THAT THE CONTRACTOR IS RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.
  10. CONNECTION TO INDIVIDUAL HOUSES IN ACCORDANCE WITH IRISH WATER STD-W-05.
  11. CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE ACCURACY OF EXISTING SERVICES INFORMATION AND THE LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCING INSTALLATION OF WATERMANS.
  12. INSTALLATION OF SLUCE VALVES AND HYDRANTS SHALL BE IN ACCORDANCE WITH IRISH WATERS STANDARD DETAILS STD-W-14 TO STD-W-16.
  13. MARKER POSTS AND PLATES ARE TO BE PROVIDED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-17.
  14. CONNECTION TO EXISTING WATERMANS TO BE COORDINATED BY THE CONTRACTOR WITH IRISH WATER AND/OR THE LOCAL AUTHORITY.
  15. CONTRACTOR TO LIAISE WITH IRISH WATER AND/OR THE LOCAL AUTHORITY AS REQUIRED REGARDING CLEANSING AND STERILISATION OF WATERMANS.

P02	13-12-21	STAGE 3 SHD PLANNING	GMC	BCM
rev	07-04-21	STAGE 2 SHD PLANNING	GMC	DMW
date		description	by	chkd.
client approval		A - Approved		
		B - Approved with comments		
		C - Do not use		

suitability	issue purpose
S2 - INFORMATION	PLANNING



DUBLIN OFFICE: Ormond House, Upper Ormond Quay, Dublin 7, D07 WY04  
PHONE: +353 1 400 4000  
CORK OFFICE: Phoenix House, Monahan Road, Cork, T12 H1XV  
PHONE: +353 (0) 21 2204538  
WATERFORD OFFICE: Suite 8b The Arkum, Marlboro Gate, Canada Street, Waterford, X91 W028  
PHONE: +353 51 900 500

project ref.  
**RESIDENTIAL DEVELOPMENT  
HOLLYSTOWN**

drawing title  
**TYPICAL SURFACE WATER  
ATTENUATION STORAGE  
ARRANGEMENT SHEET 7**

client  
**GLENVEAGH HOMES LIMITED**

designed by	author	scale	sheet size
BCM	GMC	AS NOTED	A1
drawing no.	revision		
170182-DBFL-SW-SP-DR-C-5317	P02		

ORDNANCE SURVEY IRELAND LICENCE  
No EN 0017921  
© ORDNANCE SURVEY IRELAND  
GOVERNMENT OF IRELAND