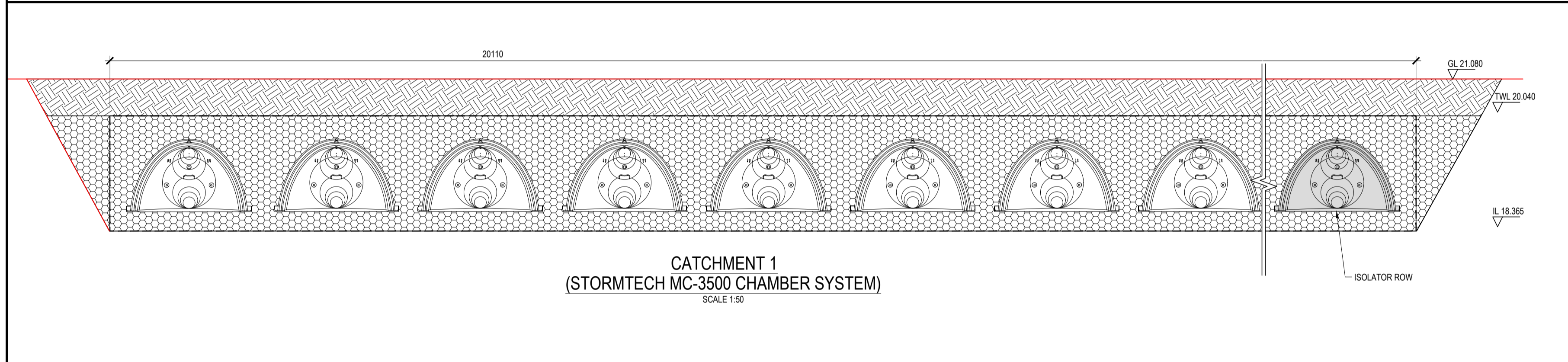
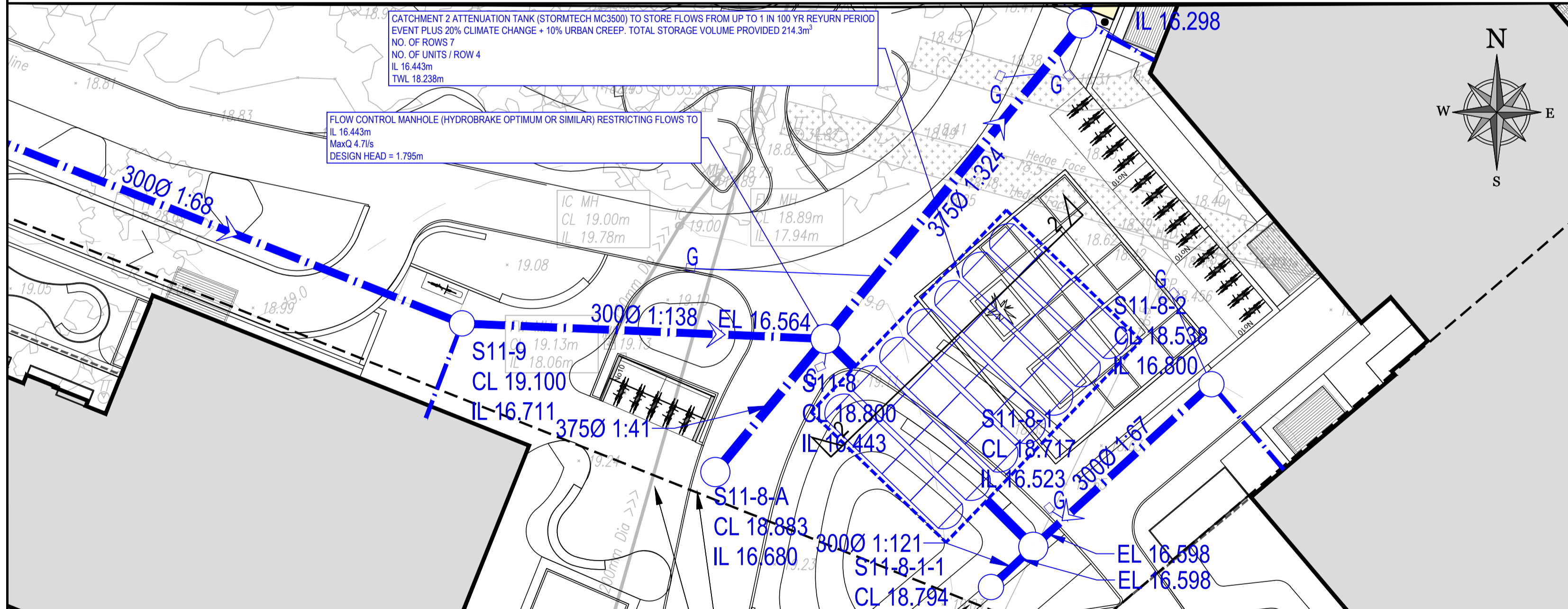


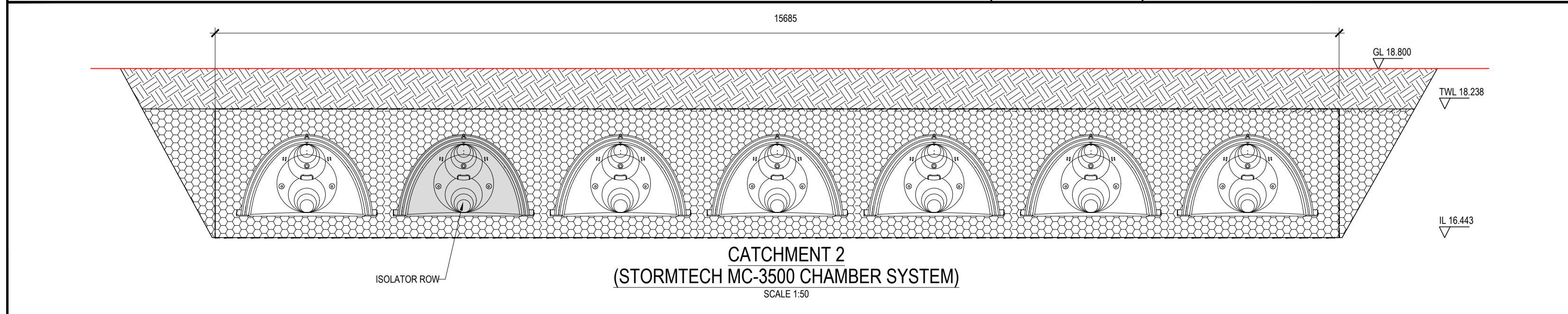
PLAN OF ATTENUATION CATCHMENT AREA: 1 (SCALE 1:200)



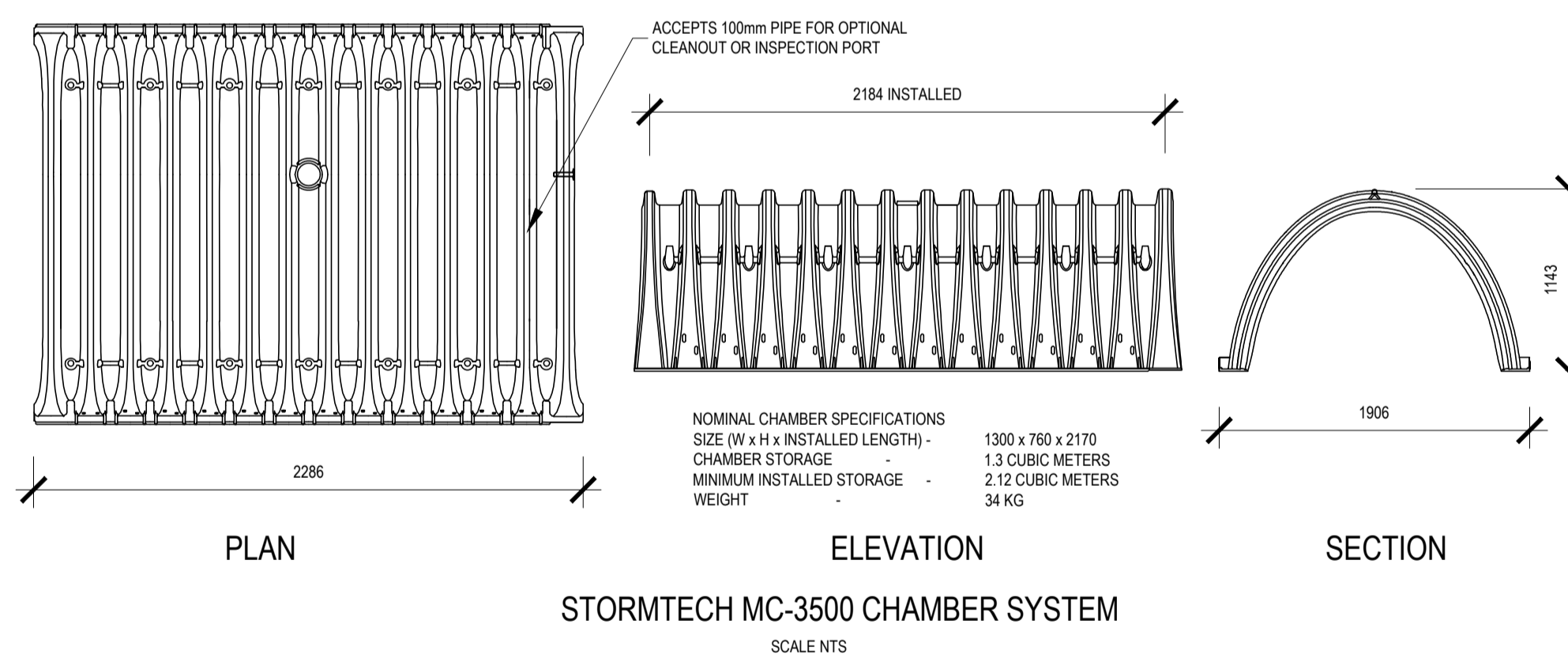
CATCHMENT 1  
(STORMTECH MC-3500 CHAMBER SYSTEM)  
SCALE 1:50



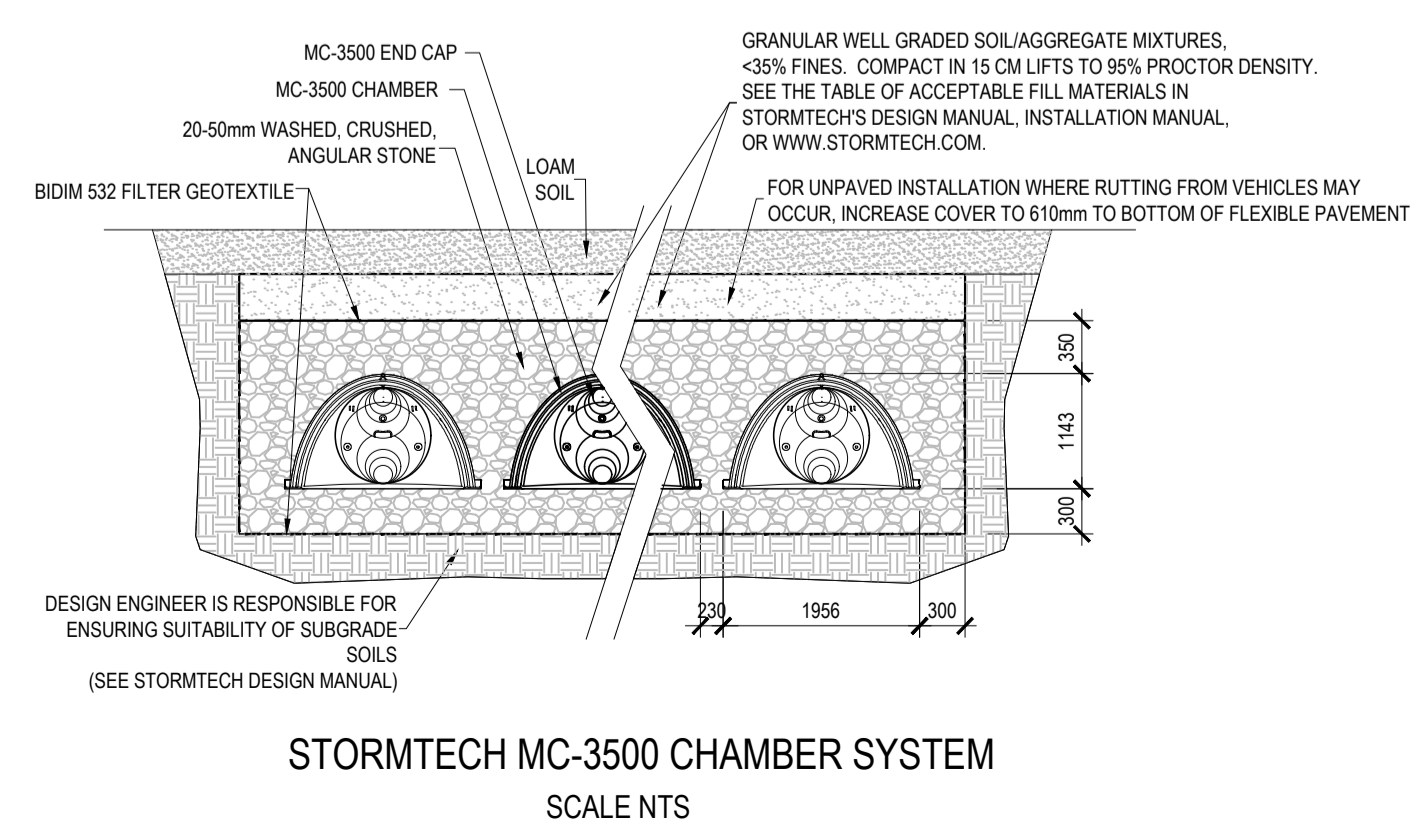
PLAN OF ATTENUATION CATCHMENT AREA: 2 (SCALE 1:200)



CATCHMENT 2  
(STORMTECH MC-3500 CHAMBER SYSTEM)  
SCALE 1:50



STORMTECH MC-3500 CHAMBER SYSTEM  
SCALE NTS



STORMTECH MC-3500 CHAMBER SYSTEM  
SCALE NTS

ON ORIGINAL  
0 10 20 30 40 50mm

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NOTE: ALL DIMENSIONS IN METRES UNLESS SPECIFIED OTHERWISE.

- ALL CO-ORDINATES ARE TO IRISH TRANSVERSE MERCATOR.
- ALL LEVELS ARE TO ORDNANCE DATUM (MALIN HEAD).
- ALL TEMPORARY TRAFFIC & CONSTRUCTION MANAGEMENT SHALL COMPLY FULLY WITH THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
- THE CONTRACTOR MUST LAISE DIRECTLY WITH LOCAL AUTHORITY DEPARTMENTS AS DIRECTED IN THE CIVIL ENGINEERING SPECIFICATION AND STANDARD CONSTRUCTION DETAILS.
- 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.

DRAWING SPECIFIC NOTES

- ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
- 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.
- ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE NRA SPECIFICATION FOR ROAD WORKS UNLESS NOTED OTHERWISE.
- MANHOLE COVER LEVELS ARE TO CONFORM WITH FINISHED ROAD AND PATH LEVELS.
- ALL SURFACE WATER DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY'S CODE OF PRACTICE FOR DRAINAGE AND THE GSDS.
- ALL FOUL DRAINAGE WORKS TO BE IN ACCORDANCE WITH IRISH WATERS' CODE OF PRACTICE FOR WASTEWATER SUPPLY AND WASTEWATER INFRASTRUCTURE STANDARD DETAILS.
- FOUL SEWERS TO BE CONCRETE PIPES (SPIGOT AND SOCKET JOINTS AND RUBBER RING FITTINGS COMPLYING WITH IS EN 1916) OR THERMOPLASTIC STRUCTURED WALL PIPES (COMPLYING WITH THE PROVISIONS OF IS EN 13476 AND HIS 4-35-01 2009) AND COMPLY WITH THE REQUIREMENTS OF THE IRISH WATER CODE OF PRACTICE.
- ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN1916 & IS 6 2004.
- SURFACE WATER COLLECTOR DRAINS 150mm DIA.
- FOUL HOUSE CONNECTIONS TO BE 100mm DIA.
- CONTRACTORS SHALL INSPECT THE ROUTE & CONFIRM LOCATIONS OF ALL TREES, FEATURES, ENTRANCES & ASPECTS IMPACTING CONSTRUCTION OF THE WORKS.
- NOTE THAT THE CONTRACTOR AND/OR ARCHITECT ARE RESPONSIBLE FOR CONNECTIONS INTO THE BUILDING.
- THIS DRAWING IS BASED ON TOPO SURVEY BY DAVIDSON HICKEY IN OCT 2019 AND APEX SURVEY IN JAN 2020.

LEGEND:

- Application Boundary
- Proposed Foul Sewer
- Foul Collector
- Proposed Surface Water Drainage
- ACO Channel
- ACO Channel Draining via Tree Pit / Suds
- ACO Channel
- Surface Water Collector
- Proposed Surface Water Gully Draining via Tree Pits/Suds
- Proposed Surface Water Gully and 1500 Collector Pipe
- Inspection Chamber
- Access Junction
- Existing Surface Water
- Existing Foul Sewer
- Existing Combined Sewer
- Proposed Road Gradient
- Existing Levels
- Proposed Road Level
- Finished Floor Level (FFL)
- Permeable Paving

| rev | date     | description     | by  | chkd. |
|-----|----------|-----------------|-----|-------|
| 1   | 11-12-25 | LRD APPLICATION | GDN | EJD   |
| 0   | 26-06-25 | LRD APPLICATION | PGC | ED    |

STATUS CODES

purpose P3 - PLANNING PERMISSION acceptance S - ISSUED

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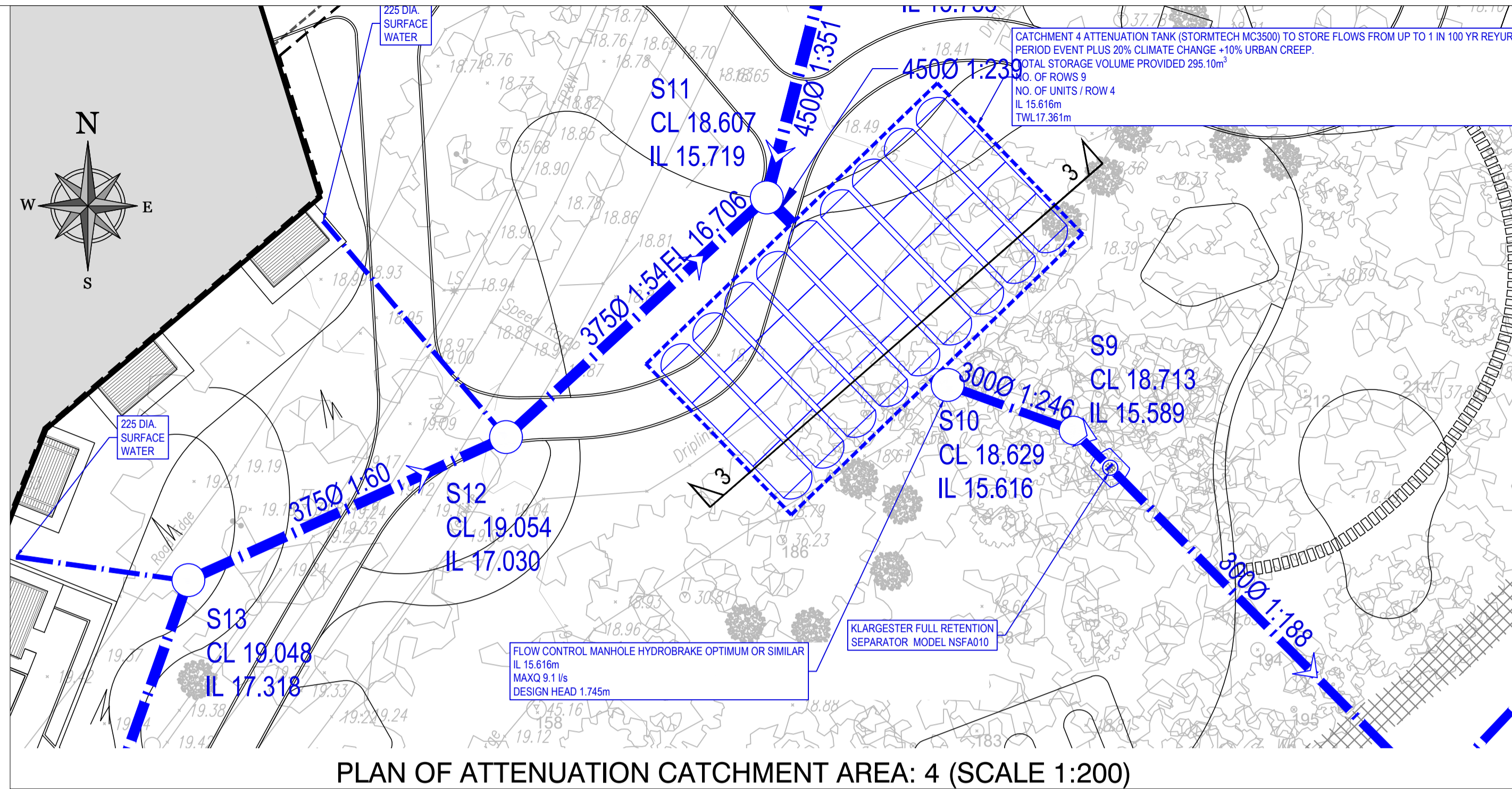
project ref. SANDFORD ROAD, MILLTOWN

drawing title TYPICAL ATTENUATION DETAILS SHEET 1

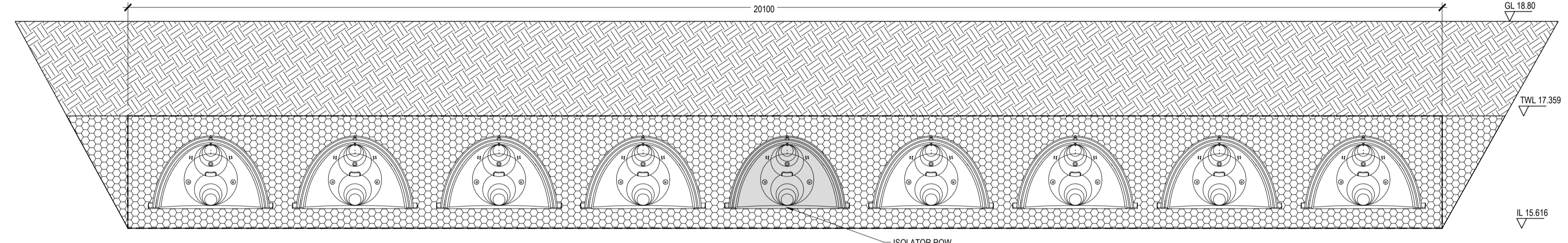
client SANDFORD LIVING LIMITED

| designed by | author | scale    | sheet size |
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| BK          | CWF    | AS SHOWN | A1         |

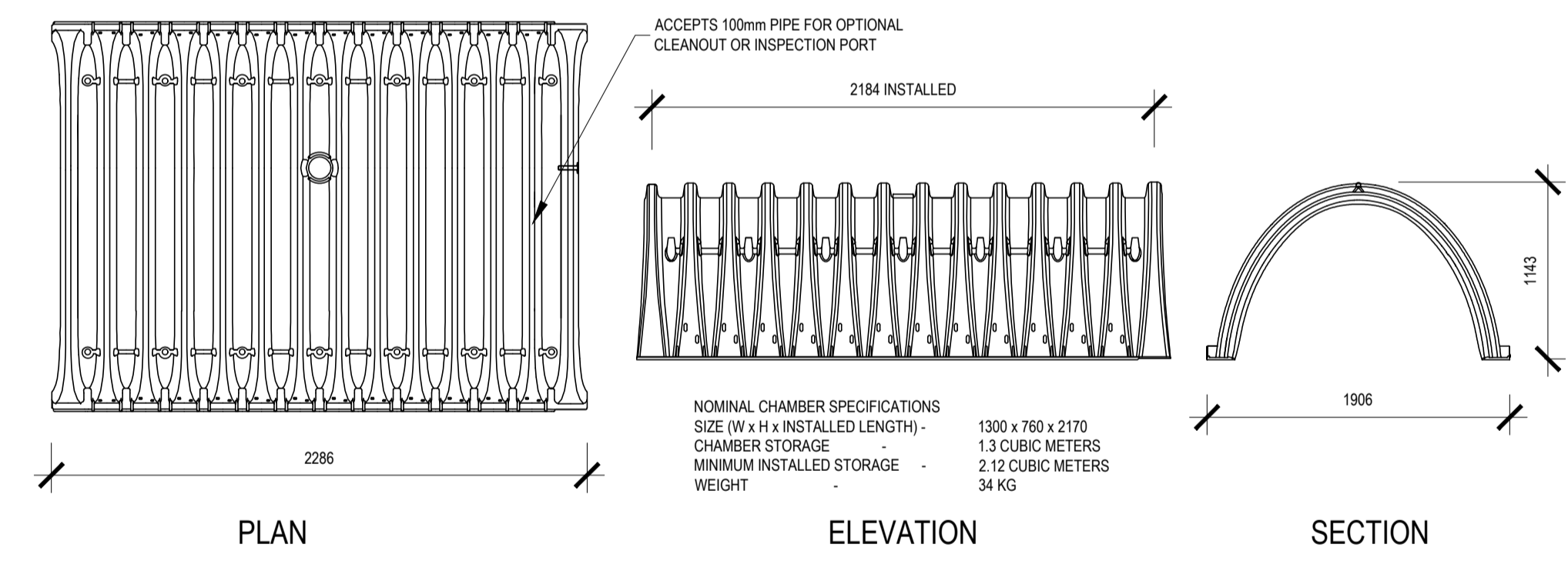
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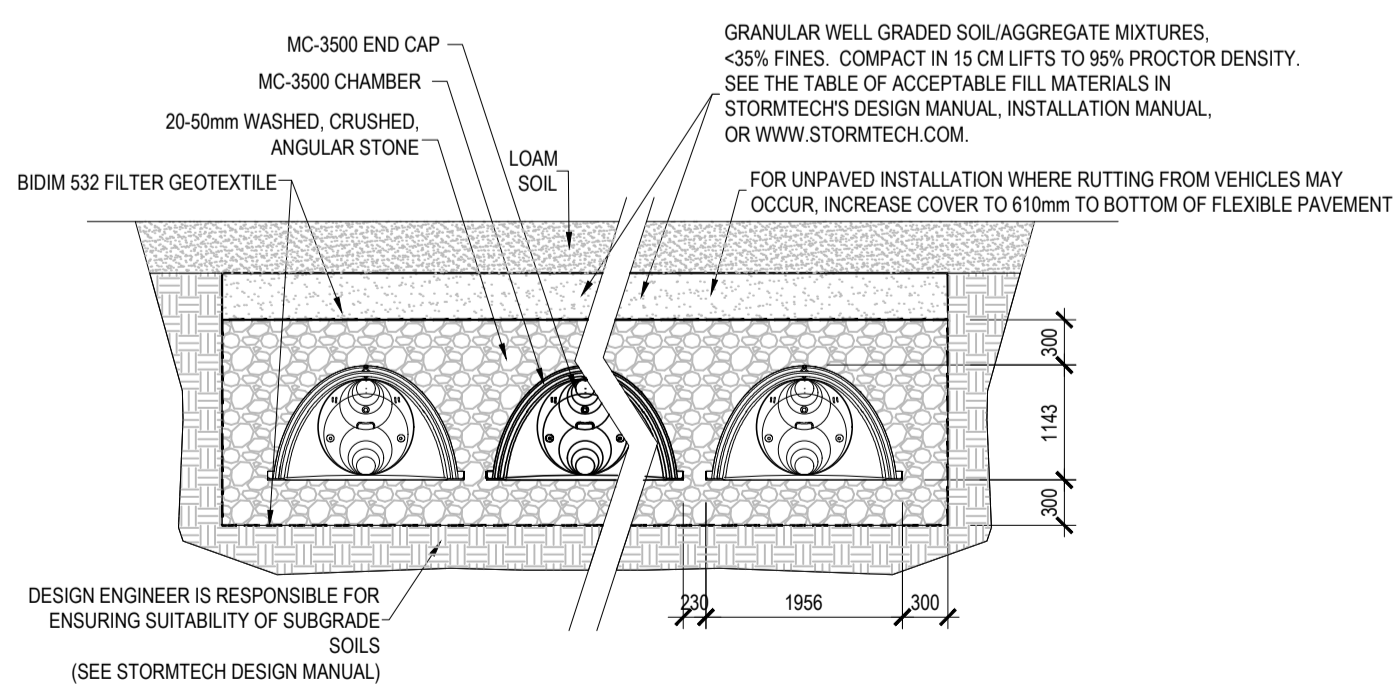
PLAN OF ATTENUATION CATCHMENT AREA: 4 (SCALE 1:200)



CATCHMENT 4 (STORMTECH MC-3500 CHAMBER SYSTEM) SCALE 1:50



STORMTECH MC-3500 CHAMBER SYSTEM SCALE NTS



STORMTECH MC-3500 CHAMBER SYSTEM SCALE NTS

ON ORIGINAL  
0 10 20 30 40 50mm

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NOTES:  
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14. ALL SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO EN1916 & IS 6 2004.  
15. SURFACE WATER COLLECTOR DRAINS 150mm DIA.  
16. FOUL HOUSE CONNECTIONS TO BE 100mm DIA.  
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19. THIS DRAWING IS BASED ON TOPO SURVEY BY DAVIDSON HICKEY IN OCT 2019 AND APEX SURVEY IN JAN 2020.

LEGEND:

- Application Boundary
- Proposed Foul Sewer
- Foul Collector
- Proposed Surface Water Drainage
- ACO Channel
- ACO Channel
- Surface Water Collector
- Proposed Surface Water Gully Draining via Tree Pits/Suds
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- Existing Surface Water
- Existing Foul Sewer
- Existing Combined Sewer
- Proposed Road Gradient
- Existing Levels
- Proposed Road Level
- Finished Floor Level
- Permeable Paving

| rev | date     | description     | by  | chkd. |
|-----|----------|-----------------|-----|-------|
| 1   | 11-12-25 | LRD APPLICATION | GDN | EJD   |
| 0   | 26-06-25 | LRD APPLICATION | PGC | ED    |

STATUS CODES

purpose acceptance

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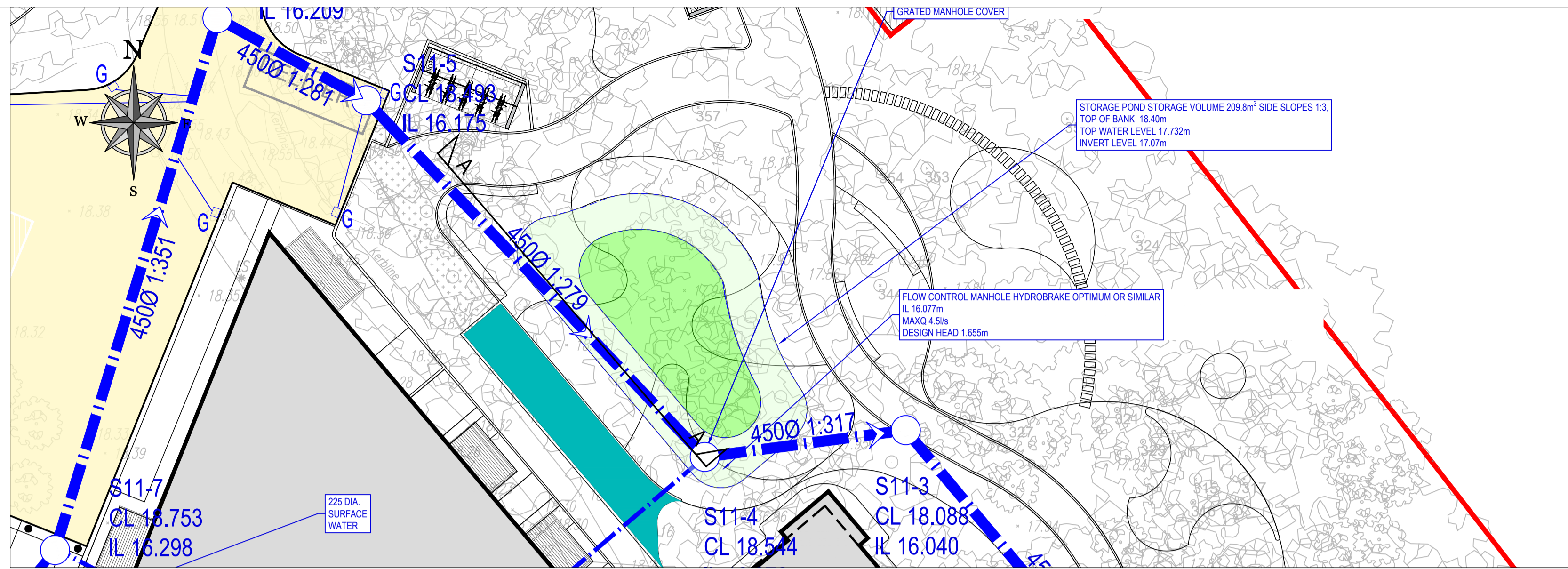
DUBLIN | CORK | GALWAY | WATERFORD

project ref.  
SANDFORD ROAD, MILLTOWN

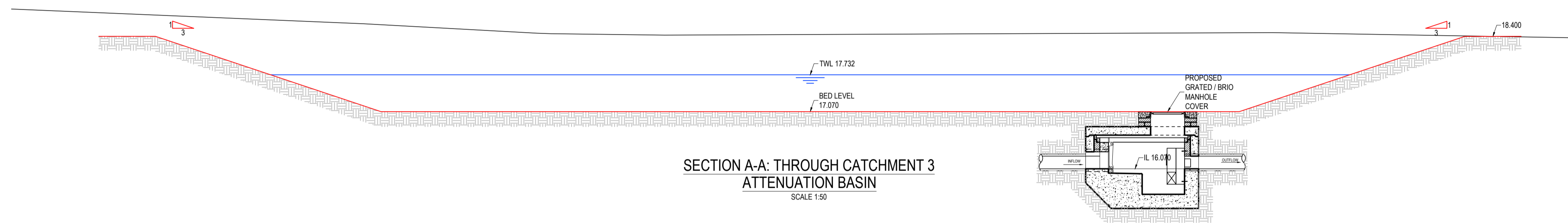
drawing title  
TYPICAL ATTENUATION DETAILS  
SHEET 2

client  
SANDFORD LIVING LIMITED

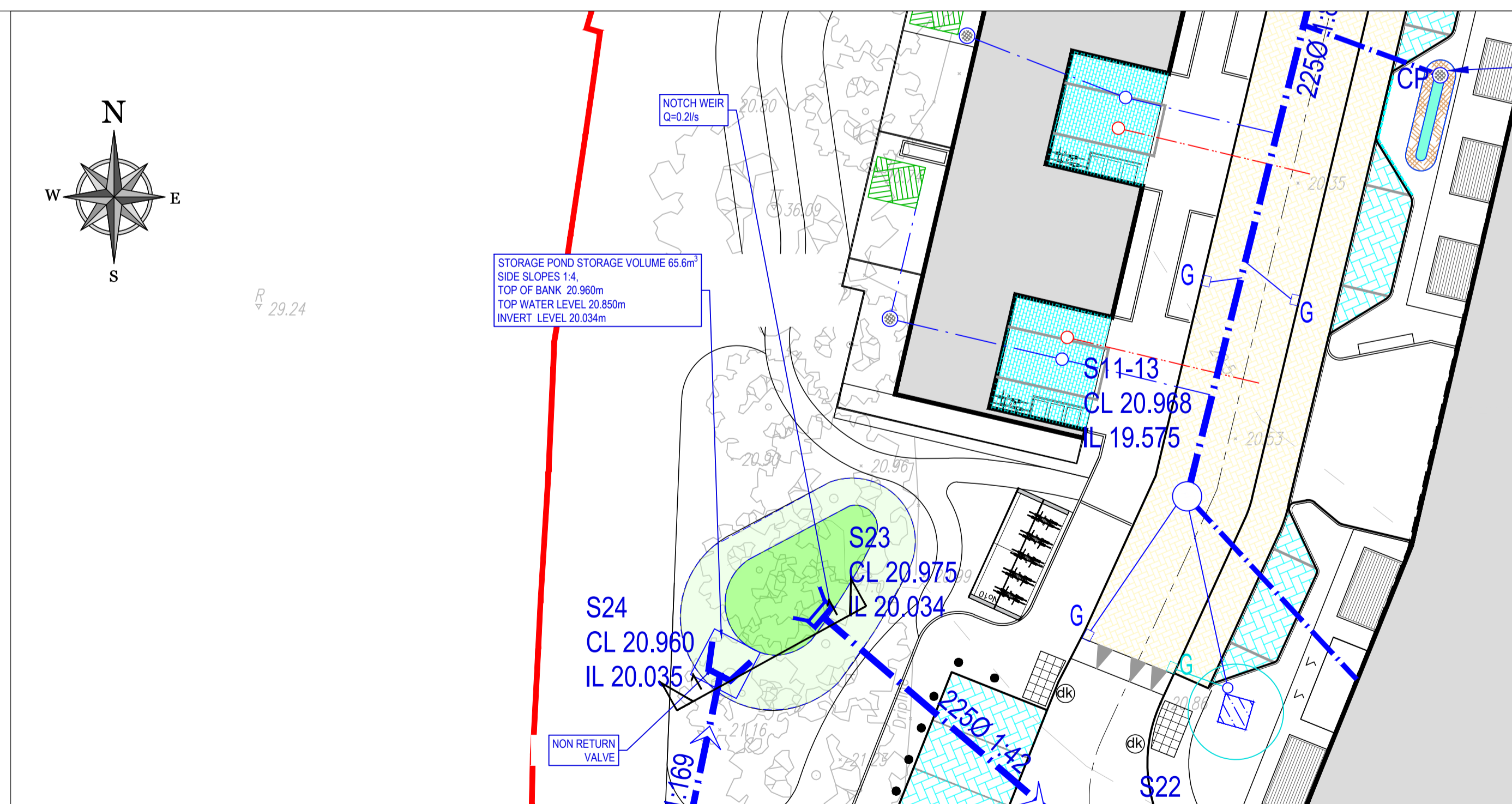
| designed by                         | author   | scale    | sheet size |
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| BK                                  | OWF      | AS SHOWN | A1         |
| drawing no.                         | revision |          |            |
| 190226-X-05-200-DTM-DR-DBFL-CE-5312 | 1        |          |            |



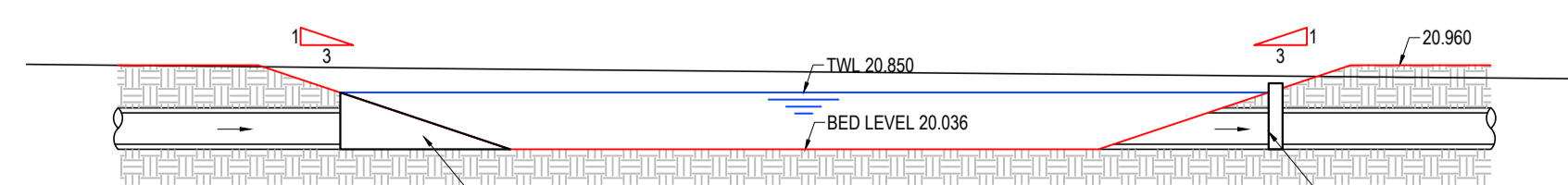
CATCHMENT 3 ATTENUATION BASIN KEY PLAN  
SCALE 1:200



SECTION A-A: THROUGH CATCHMENT 3  
ATTENUATION BASIN  
SCALE 1:50



CATCHMENT 1 ATTENUATION BASIN KEY PLAN  
SCALE 1:200



SECTION B-B: THROUGH CATCHMENT 1  
ATTENUATION BASIN  
SCALE 1:50

ON ORIGINAL  
0 5 10 20 30 40 50m

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19. THIS DRAWING IS BASED ON TOPO SURVEY BY DAVIDSON HICKEY IN OCT 2019 AND APEX SURVEY IN JAN 2020.

LEGEND:

|  |  |
|--|--|
|  | APPLICATION BOUNDARY                                     |
|  | F9 99.99 PROPOSED FOUL SEWER                             |
|  | FOUL COLLECTOR   |
|  | S3 99.99 PROPOSED SURFACE WATER DRAINAGE                 |
|  | ACO CHANNEL DRAINING VIA TREE PIT / SUDS                 |
|  | ACO CHANNEL SURFACE WATER COLLECTOR                      |
|  | PROPOSED SURFACE WATER GULLY DRAINING VIA TREE PITS/SUDS |
|  | PROPOSED SURFACE WATER GULLY AND 1500 COLLECTOR PIPE     |
|  | INSPECTION CHAMBER                                       |
|  | ACCESS JUNCTION  |
|  | EXISTING SURFACE WATER                                   |
|  | EXISTING FOUL SEWER                                      |
|  | EXISTING COMBINED SEWER                                  |
|  | 1:20 PROPOSED ROAD GRADIENT                              |
|  | 57.15 EXISTING LEVELS                                    |
|  | 57.15 PROPOSED ROAD LEVEL                                |
|  | FFL 99.99 FINISHED FLOOR LEVEL                           |
|  | PERMEABLE PAVING   |

| rev | date     | description     | by  | chkd. |
|-----|----------|-----------------|-----|-------|
| 2   | 10-12-25 | LRD APPLICATION | SWM | EJD   |
| 1   | 04-07-25 | GENERAL UPDATED | GDN | EJD   |
| 0   | 26-06-25 | LRD APPLICATION | PGC | ED    |

STATUS CODES

|                          |            |
|--------------------------|------------|
| purpose                  | acceptance |
| P3 - PLANNING PERMISSION | S - ISSUED |

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|               |                                     |
|---------------|-------------------------------------|
| project ref.  | SANDFORD ROAD, MILLTOWN             |
| drawing title | ATTENUATION BASIN DETAIL SHEET 1    |
| client        | SANDFORD LIVING LIMITED             |
| designed by   | BK                                  |
| author        | OWF                                 |
| scale         | AS SHOWN                            |
| sheet size    | A1                                  |
| drawing no.   | 190226-X-05-Z00-DTM-DR-DBFL-CE-5313 |
| revision      | 2                                   |