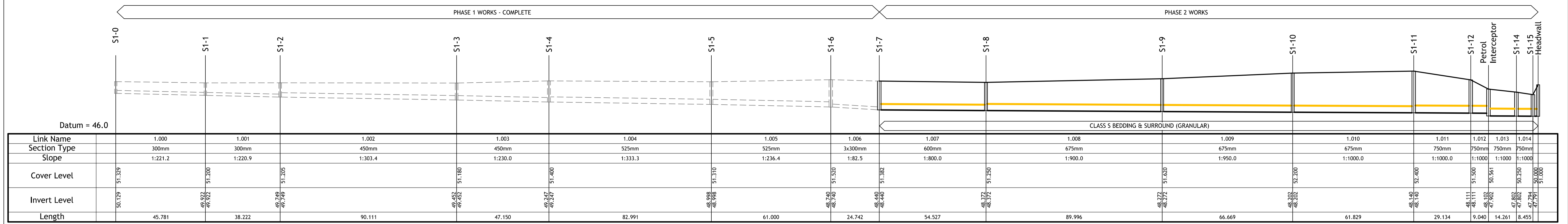
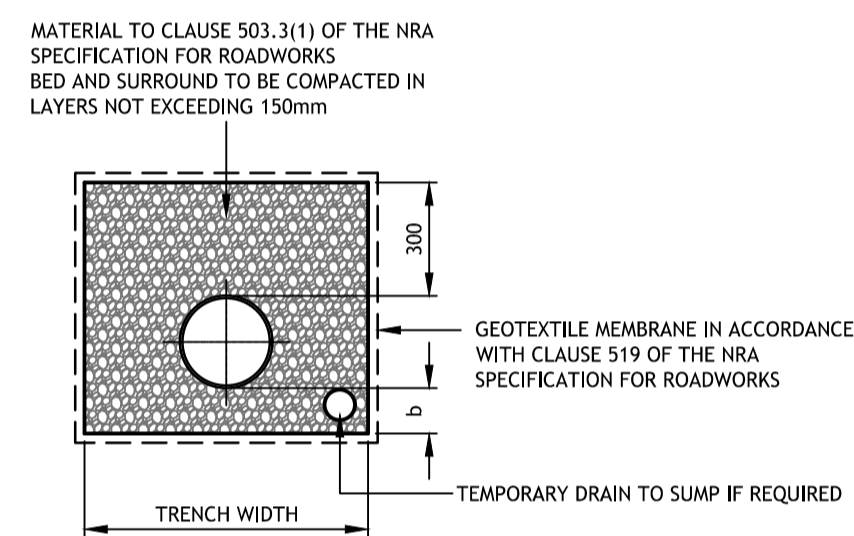


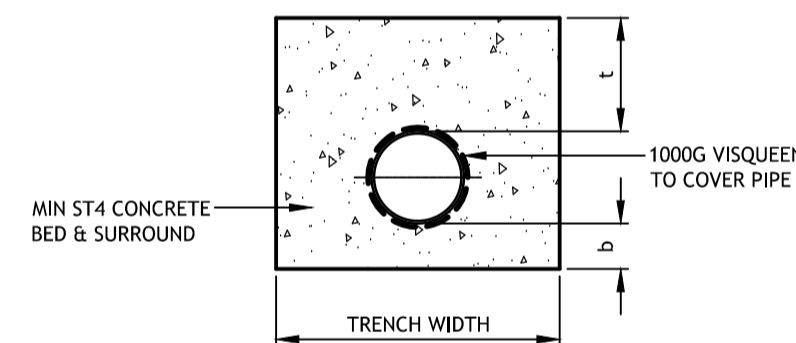
MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-WW-10



PROPOSED STORM SEWER - LONGITUDINAL SECTION
SCALE HORIZONTAL 1:1000 VERTICAL 1:200



CLASS S BEDDING (GRANULAR BED AND SURROUND)
SCALE 1:20



CLASS Z BEDDING (CONCRETE BED AND SURROUND)
SCALE 1:20

PIPE DIAMETER (mm)	"Do" (mm)	"b" (mm)	TRENCH WIDTH (mm)
300	400	150	850
450	560	150	1000
525	650	150	1100
600	735	150	1200
675	849	150	1450
750	1100	150	1500

NOMINAL PIPE DIAMETER (mm)	100-450 incl.	525-750 incl.
bc (mm)	100	150

- TABLE 2
- NOTES (PIPE BEDDING)
- CLAY PUDDLE SHALL BE INCORPORATED IN THE PIPE BED & SURROUND AND TRENCH BACKFILL MATERIAL IN ACCORDANCE WITH THE SPECIFICATION AT 50m INTERVALS
 - IN ROCK OR MIXED SOILS CONTAINING BOULDERS OR HARD SPOTS INCREASE PIPE BEDDING DEPTH BY 100mm
 - THE EMPLOYER'S REPRESENTATIVE MAY INSTRUCT THAT SPECIFIC PROVISION FOR DRAINAGE ALONG THE PIPE TRENCH BE MADE BY MEANS OF CONCRETE OR OTHER LAND DRAINAGE PIPES WHERE THE WATER TABLE LEVEL SO REQUIRES.
 - FOR DIMENSIONS "b", "Do/2" AND TRENCH WIDTH REFER TO TABLE 1
 - Do = PIPE OUTER DIAMETER

- NOTES
- EXISTING ENTRANCES TO PROPERTIES TO BE KEPT LIVE AT ALL TIMES FOR THE DURATION OF WORKS
 - ONE TRAFFIC LANE TO BE OPEN AT ALL TIMES. TRAFFIC MANAGEMENT PLAN TO BE UNDERTAKEN IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL AND PUNCH SITEWORKS SPECIFICATION. TRAFFIC MANAGEMENT PLAN TO BE AGREED WITH TIPPERARY COUNTY COUNCIL PRIOR TO COMMENCEMENT ON SITE.
 - TOPOGRAPHICAL SURVEY CARRIED OUT BY SCANTECH GEOSCIENCE.
 - REFER TO SERVICE PROVIDER RECORD DRAWINGS FOR DETAILS OF EXISTING SERVICES TO BE REVIEWS IN CONJUNCTION WITH SCANTECH GEOSCIENCE SURVEYS GPR DRAWINGS 2640.
 - REFER TO SERVICE REFER TO JB BARRY DRAWING Y15706_C_024/024-1/035/050/115 AND WALSH CIVIL ENGINEERING DRAWINGS NENAGH-SR-108/109 (AS-BUILT SEWER) FOR DETAILS OF FOUL SEWER CONSTRUCTED UNDER A SEPARATE CONTRACT. CONTRACTOR TO SURVEY LOCATION/ CENTERLINE/ INVERT LINE OF 900mm SEWER AND SUBMIT TO ENGINEER 5 WORKING DAYS PRIOR TO COMMENCEMENT ON SITE.
 - REFER TO SERVICE PROVIDER RECORD DRAWINGS FOR DETAILS OF EXISTING SERVICES TO BE REVIEWS IN CONJUNCTION WITH SCANTECH GEOSCIENCE SURVEYS GPR DRAWINGS 2640.
 - ALL LEVELS ARE IN METERS ABOVE MALIN HEAD DATUM AS DERIVED ON TOPOGRAPHICAL SURVEY.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT EMPLOYERS REPRESENTATIVE AND MANUFACTURERS DRAWINGS AND SPECIFICATIONS.
 - THE CONTRACTOR MUST CONTACT THE RELEVANT AUTHORITIES PRIOR TO CONSTRUCTION WORK, AND SATISFY HIMSELF IN RESPECT TO THE LOCATION OF ALL EXISTING SERVICES.
 - CONTRACTOR TO PROVIDE IL, PIPE DIAMETER AND DIRECTION OF FLOW IN EXISTING MANHOLES ON COMMENCEMENT OF THE WORKS TO THE EMPLOYERS REPRESENTATIVE
 - CLASS S BEDDING TO BE PROVIDED WHERE MINIMUM COVER TO PIPES = 1200mm OR GREATER
 - CLASS Z BEDDING TO BE PROVIDED WHERE MINIMUM COVER TO PIPES >800mm AND LESS THAN 1200mm
 - ALL TEMPORARY WORKS TO CONTRACTORS DESIGN
 - DRAWING TO BE READ IN CONJUNCTION WITH ALL GPR/ TOPOGRAPHIC SURVEYS AND SITE INVESTIGATION REPORT.
 - IDENTIFICATION AND LOCATION OF ALL SERVICE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCEMENT ON SITE.

THE CONTRACTOR IS ADVISED TO REFER TO THE RELEVANT GPR AND EXISTING INFORMATION DRAWINGS PROVIDED AS PART OF THE TENDER DOCUMENTS.

EXISTING SERVICE INFORMATION (IF SHOWN) IS FROM RECORDS AND GPR IS NOT EXHAUSTIVE. OTHER SERVICES MAY BE ENCOUNTERED ON SITE

THE CONTRACTOR IS TO REFER TO DRAWING 161-266-033 FOR PIPE BACKFILL AND TRENCH REINSTATEMENT ABOVE THE PIPE BEDDING SURROUND