

IC1 BT DEPTH TO SALT: 0.61 mag	Q1: 140-15 CHARGER 0.86 X 1.45 QUCT A SL 139.74, 1000 QUCT B SL 139.82, 1000 QUCT C SL 139.84, 1000	MH2 SURFACE Q1: 144-45 PWP X: 2250 R: 142.82 PWP A: 2250 R: 142.83
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HIGHWAY RETAINING WALL
REQUIRE ALONG BACK OF
FOOTPATH.
DESIGN & CONSTRUCTION TO
BE APPROVED WITH KIRKLEES
HIGHWAYS

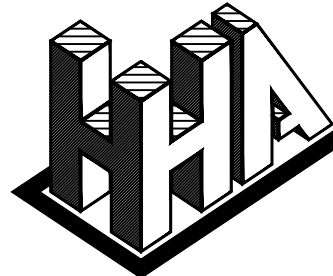
1. ALL ADAPTABLE SEWER WORKS AND MATERIAL TO BE IN ACCORDANCE WITH "CODES FOR ADOPTION". THE RELEVANT BRITISH/EUROPEAN AND YORKSHIRE WORKS STANDARDS/REQUIREMENTS/ADDENDUM TO THE MECHANICAL AND ELECTRICAL SPECIFICATION AND KIRKLESGATE ADAPTABLE.
2. MANHOLE COVERS SHALL MUST HAVE A CLEAR OPENING OF 600mm AND SHALL BE CLASS D400 TO BS EN 124 WITH 150mm DEEP FRAMES IN HIGHWAYS.
3. FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE CONCRETE AND THE DESIGN AND CONSTRUCTION OF YORKSHIRE WATER BY ANY SEWER WORKS ARE CARRIED OUT.
4. YORKSHIRE WATER IS **NOT** OBLIGED TO ACCEPT FILTER DRAIN/LAND DRAINAGE RUNOFF INTO THE PUBLIC SEWER NETWORK OR ADAPTABLE SYSTEMS. THE PRODUCT IS DIFFERENT TO THAT OF THE OTHER FRAME. A LOADING BEARING IS DIFFERENT TO THAT OF THE OTHER FRAME. THE METHOD OF DISPOSAL OF THE LAND DRAINAGE RUNOFF WILL THEREFORE BE REQUIRED AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY. LAND DRAINAGE SECTION WITH REGARD TO THE DISPOSAL OF THE FILTER DRAIN/LAND DRAINAGE.
5. COVER SLABS MUST CARRY THE BS1 KITEMARK OR WILL BE REJECTED BY YORKSHIRE WATER INSPECTOR. WHERE THE CLEAR OPENING OF THE COVER PRODUCT IS DIFFERENT TO THAT OF THE OTHER FRAME, THE COVER SLAB LOADING BEARING IS DIFFERENT TO THAT OF THE OTHER FRAME. THE METHOD OF DISPOSAL OF THE LAND DRAINAGE RUNOFF WILL THEREFORE BE REQUIRED AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY. LAND DRAINAGE SECTION WITH REGARD TO THE DISPOSAL OF THE FILTER DRAIN/LAND DRAINAGE.
6. THE COVER SLAB MUST CARRY THE BS1 KITEMARK OR WILL BE REJECTED BY YORKSHIRE WATER INSPECTOR. WHERE THE CLEAR OPENING OF THE COVER PRODUCT IS DIFFERENT TO THAT OF THE OTHER FRAME, THE COVER SLAB LOADING BEARING IS DIFFERENT TO THAT OF THE OTHER FRAME. THE METHOD OF DISPOSAL OF THE LAND DRAINAGE RUNOFF WILL THEREFORE BE REQUIRED AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY. LAND DRAINAGE SECTION WITH REGARD TO THE DISPOSAL OF THE FILTER DRAIN/LAND DRAINAGE.
7. THE ADAPTABLE SEWERS SHOULD BE A MINIMUM OF 1m AND MANHOLES 0.5m FROM KERB FACES.
8. SEWERS MUST HAVE 5m CLEARANCE FROM TREES AND HEDGES
9. THE SEWERS TO BE LAYED IN THE ROAD OR ON THE TRANSVERSE BED AND SURROUNDING, WHERE DEPTH OF COVER TO TOP OF THE SEWER IS LESS THAN 1.2m IN HIGHWAYS AND VERGES (OR LESS THAN 900mm IN NON VEHICLE ACCESS AREAS) THEN A 175mm concrete slab OVER SEWER SHALL BE REQUIRED.
10. ALL HIGHWAY WORKS 300mm DIA. OR LESS TO BE VITRIFIED CLAY CONFORMING WITH BS 65. MINIMUM CRUSHING STRENGTHS TO BE AS FOLLOWS: 100mm DIA. 90kN, 150mm DIA 40kN, 225mm DIA 45kN, 300mm DIA 72kN.
11. ALL HIGHWAY WORKS 375mm DIA. OR GREATER TO BE CONCRETE CLASS C20 TO EN 196/BS 5811-1 2002.
12. THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION IN THEM MAY NEED TO BE INCREASED AN INCREMENT TO ACCOMMODATE THE CONNECTIONS AND THE COVER.
13. YORKSHIRE WATER POLICY IS NOT TO ACCEPT TYPE "C" BRICK MANHOLES AND 1050mm DIA. MANHOLE RINGS. INSTEAD IT IS PREFERRED THAT YOU USE TYPE "E" MANHOLE WITH 1200mm DIA. OR 1500mm DIA. RINGS, WITH THE SEWER LINED TO THE DEPTH OF THE CHANNEL. WHERE DEPTH OF COVER TO PIPE SOFFIT IS 1-1.5m.
14. ALL HIGHWAY WORKS AND MATERIAL TO CONFORM WITH KIRKLESGATE COUNCIL SPECIFICATION.
15. ALL COVER AND FRAME SLABS BE D400 DUCTILE IRON AND COMPLY WITH EUROPEAN STANDARD BS EN 124. THOSE SIGHTED IN ACCESSWAYS AND MEWS COURTS MUST BE SUITABLE FOR USE IN PEDESTRIAN AREAS.
16. BEDDING AND BACKFILL MUST BE LITMAY TO THE REQUIREMENT OF THE ROAD AND PAVEMENT INDUSTRY SPECIFICATION 4-08-2 (TABLE A2).
17. PLASTIC CHAMBER SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND YORKSHIRE WATER WOULD PREFER CLAYWARE CHANNELS IN MANHOLES.
18. THE PLASTER FINISH MUST BE SUITABLE FOR PLASTERING TO BE SET IN CONCRETE AS THEY FLOAT AND A SATISFACTORY FINISH CANNOT BE OBTAINED ON BENCHING.
18. WHERE A B125 COVER AND FRAME HAS BEEN APPROVED, THIS **MUST NOT** BE REPLACED WITH PLASTIC. MUST BE SUITABLE FOR PLASTERING TO BE SET IN CONCRETE. STANDARD LIFTING KEYS. SCREW DOWN COVERS ARE **NOT** ACCEPTABLE.
19. THERE SHOULD BE ENOUGH CLEARANCE TO ACCOMMODATE THE BEDDING AND BACKFILL TO APPROX 300mm. IF CROSSOVER IS NEAR THE ROCKER THEN THE CLEARANCE NEEDED MAY BE INCREASED.

Existing public footpath

Proposed footpath link

Max 1m HIGHWAY RETAINING
WALL REQUIRE ALONG
TANGENT.
DESIGN & CONSTRUCTION TO
BE APPROVED WITH KIRKLEES
HIGHWAYS

Rev H. Tactile paving at site entrance re-positioned. Scale amended.	26.05.22 HH
Rev G. Road S4 amended to suit required turning area. Rumble strips & trees removed	26.05.22 HH
Manhole S6 moved to suit gully position.	
Rev F. Node S3 moved to suit 11.25deg bend	03.05.22 HH
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Rev E. Updated to suit planning layout 1902-SI-04 Rev G	18.03.22 HH
Existing services added along Station Road. Proposed sewer outfall amended to suit.	
Rev D. Highway retaining wall along Road 1 updated.	05.11.12 HH
Rev C. Site entrance radii increased. Forward visibility playsys added.	10.09.21 HH
Rev B. Road numbers added.	13.07.21 HH
Rev A. Gullies on road 1 amended to new position.	29.06.21 CM



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Client
YORKSHIRE COUNTRY PROPERTIES

Project
STATION ROAD, SKELMANTHORPE

Detail

MAIN ROAD & SEWER PLAN

Dwn	Chkd	Date	Scale	Dwg No.
HH		JUN-21	1:250@A1	E18/7366/004H

RISK ASSESSMENT SIGNIFICANT RISKS THAT CANNOT BE DESIGNED OUT		
RISK	LEVEL OF RISK (H/M/L)	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH DRAINAGE WORKS	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS
HANDLING LARGE DIAMETER MANHOLE RINGS AND CIRCULAR PIPES	HIGH	USE CORRECT LIFTING EQUIPMENT AND ENSURE OPERATIVES WEAR APPROPRIATE PROTECTIVE CLOTHING/ARHD HATE/CORRECT PPE
CONTACT WITH SEWAGE	MED	OPERATIVES TO USE CORRECT BREATHING EQUIPMENT/CORRECT PPE
NOISE	MED	OPERATIVES TO USE CORRECT EAR PROTECTION/CORRECT PPE
DRAINAGE EXCAVATIONS ADJACENT EXISTING STRUCTURAL STRUCTURES	HIGH	ENSURE CORRECT SUPPORTS ARE PROVIDED TO TRENCHES AND BUILDINGS WHERE REQUIRED
DRAINAGE EXCAVATION IN PUBLIC HIGHWAY	HIGH	ENSURE CORRECT USE OF TRENCH SUPPORTS IN EXCAVATION AND SCREEN BARRIERS ARE PROVIDED TO PROTECT THE PUBLIC
MAINTAIN ACCESS TO ADJACENT PROPERTIES AND OCCUPIERS	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS
DRAINAGE EXCAVATIONS NEAR TO EXISTING SERVICES	HIGH	ENSURE THE WORK AREA IS PROTECTED WITH BARRIERS AND SIGNS
WORKING IN CONFINED SPACES WORKING IN DRAINS AND MANHOLES	HIGH	ENSURE WORKERS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE MEMBERS OF THE PUBLIC AWAY FROM THE AREA CONFINED SPACES WORKING TRENCH PERSONNEL ONLY TO CARRY OUT WORKS UNDER A PERMIT TO WORK SCHEME IMPLEMENTED BY CONTRACTOR CASK TESTING TO TAKE PLACE BEFORE ALL ENTRIES TO CONFINED SPACES
WORKING IN HIGHWAYS/ RISKS FROM VEHICLE AND PLANT	HIGH	ALL WORKS TO BE SIGNED AND FENCED FROM NORMAL VEHICULAR TRAFFIC ALL WORKERS TO WEAR HIGH VISIBLE CLOTHING ALL PLANT TO HAVE SIGNAL AND LIGHTS OPERATING
ROAD AND DRAINAGE CONSTRUCTION	HIGH	ALL EXCAVATIONS TO BE ADEQUATELY FENCED OFF AND SUPPORTED DURING CONSTRUCTION ALL OPERATIVES TO BE TRAINED IN CORRECT METHODS OF LIFTING AND WORK IN ACCORDANCE WITH LOLER REGS

IT IS ASSUMED THAT WORKS ASSOCIATED WITH THIS DESIGN WILL BE UNDERTAKEN BY A PERSON OR PERSONS WHO ARE COMPETANT AND HAVE THE REQUIRED LEVEL OF EXPERIENCE AND EXPERTISE