

CHANNEL DEPTH VARIES TO SUIT TOPOGRAPHY OF EXISTING GROUND AND PROPOSED EMBANKMENTS PRIOR TO INSTALLATION

IN ACCORDANCE WITH LANDSCAPE DESIGN GROUND LEVEL TO BE GRADED LOCALLY TO SUIT NEW CHANNEL AND FINISHED WITH 150mm SEEDED SOIL AND FERTILIZER MIXTURE FOR BANK FORMATION

8mm THICK CANVAS LINER WITH TRENCH ANCHOR TIE REFER TO DRAWING NYKGDD-WSP-HDG-SG-DR-CD-0500_0020

TOPSOIL REMOVED AND MINIMUM 500mm DEEP CHANNEL PROFILE FORMED AS SHOWN. SOFT SPOTS TO BE REMOVED AND FULLY INFILLED WITH SUITABLE SITE EXCAVATED MATERIAL.

CHANNEL DEPTH VARIES TO SUIT TOPOGRAPHY OF EXISTING GROUND AND PROPOSED EMBANKMENTS PRIOR TO INSTALLATION

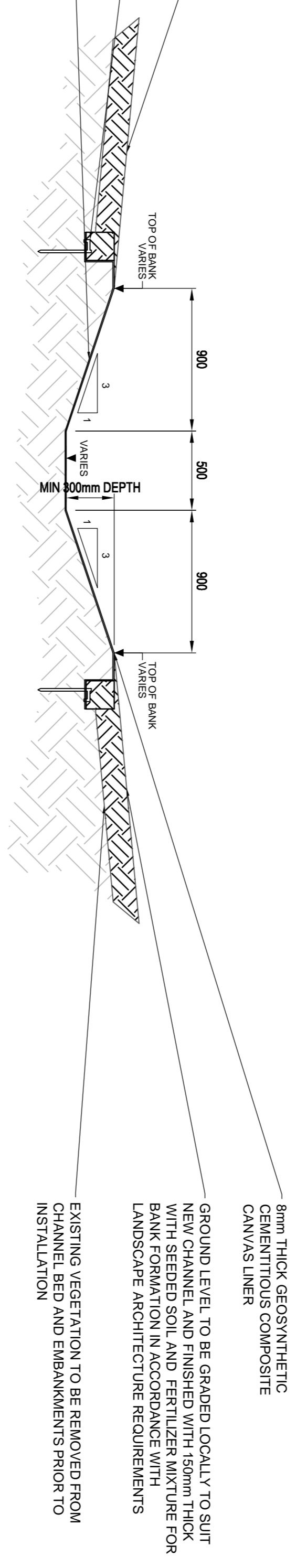
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INTERCEPTOR CHANNEL TYPICAL TYPE B CROSS SECTION

SCALE 1: 25 @ A1
SCALE 1: 50 @ A3



8mm THICK GEOSYNTHETIC CEMENTITIOUS COMPOSITE CANVAS LINER

GROUND LEVEL TO BE GRADED LOCALLY TO SUIT NEW CHANNEL AND FINISHED WITH 150mm THICK WITH SEEDED SOIL AND FERTILIZER MIXTURE FOR BANK FORMATION IN ACCORDANCE WITH LANDSCAPE ARCHITECTURE REQUIREMENTS

EXISTING VEGETATION TO BE REMOVED FROM CHANNEL BED AND EMBANKMENTS PRIOR TO INSTALLATION

8mm THICK GEOSYNTHETIC CEMENTITIOUS COMPOSITE CANVAS LINER

GROUND LEVEL TO BE GRADED LOCALLY TO SUIT NEW CHANNEL AND FINISHED WITH 150mm THICK WITH SEEDED SOIL AND FERTILIZER MIXTURE FOR BANK FORMATION IN ACCORDANCE WITH LANDSCAPE ARCHITECTURE REQUIREMENTS

EXISTING VEGETATION TO BE REMOVED FROM CHANNEL BED AND EMBANKMENTS PRIOR TO INSTALLATION

KEEP ALL AMP GUARD RAILS MINIMUM HEIGHT 1.2m TYPE B AND REFER TO DRAWING NYKGDD-WSP-HDG-SG-DR-CD-0500_0024 FOR INLET/OUTLET LOCATIONS AND HEADWALL TYPE

PRECAST CONCRETE HEADWALL UNIT. REFER TO SCHEDULE NYKGDD-WSP-HDG-SG-SH-CD-0001 AND DRAWING NYKGDD-WSP-HDG-SG-DR-CD-0500_0024 FOR INLET/OUTLET LOCATIONS AND HEADWALL TYPE

8mm THICK GEOSYNTHETIC CEMENTITIOUS COMPOSITE CANVAS LINER

HEADWALL TERMINATION. REFER TO DRAWING NYKGDD-WSP-HDG-SG-DR-CD-0500_0024

150mm OF 6N GRANULAR BEDDING TO FORM FOUNDATION FOR HEADWALL OUTFALL UNIT AND EXTEND 300mm ON ALL SIDES OF THE UNIT

150mm SEMI-DRY (GEN1) BEDDING LAYER TO EXTEND 300mm BEYOND PERIMETER OF OUTFALL STRUCTURE AS PER MANUFACTURER REQUIREMENTS

ROCKER PIPE TO BE FITTED TO ALLOW FOR NATURAL SEDIMENT

50x50mm GALVANISED MILD STEEL ANGLE IRON HEADWALL GROUND ANCHOR CONNECTION TO HEADWALL TO BE MADE USING 3m LONG SIS STUDDING

150mm TYPE A10 PIPE BEDDING AND SURROUND

MIN 150mm 6N GRANULAR MATERIAL COMPACTED IN SUITABLE LAYERS

EMBANKMENT CONSTRUCTION AND GRADIENT AS PER DESIGN

WATERPROOF MEMBRANE TO REAR OF STRUCTURE EXTENDED FROM UNDERSIDE OF BASE UP TO GROUND LEVEL

150mm OF 6N GRANULAR BEDDING TO FORM FOUNDATION FOR HEADWALL OUTFALL UNIT AND EXTEND 300mm ON ALL SIDES OF THE UNIT

150mm SEMI-DRY (GEN1) BEDDING LAYER TO EXTEND 300mm BEYOND PERIMETER OF OUTFALL STRUCTURE AS PER MANUFACTURER REQUIREMENTS

INTERCEPTOR CHANNEL TO FILTER / CARRIER DRAIN HEADWALL CONNECTION

SCALE 1: 25 @ A1
SCALE 1: 50 @ A3

DO NOT SCALE

- STRUCTURAL CONT.**
- WATERPROOFING WHERE NOTED A PROPRIETARY WATERPROOFING SYSTEM IN ACCORDANCE WITH CLAUSE 2004 AND 2006, VOLUME 1 SPECIFICATION FOR HIGHWAY WORKS TO BE SUBMITTED FOR ACCEPTANCE TO THE PROJECT MANAGER.
 - STRUCTURE CONCRETE WORKS ARE TO BE IN ACCORDANCE WITH SERIES 1700, VOLUME 1 SPECIFICATION FOR HIGHWAY WORKS.
 - WHERE PIPES SURROUNDED IN CONCRETE, FLEXIBILITY TO BE MAINTAINED AT PIPE JOINTS BY THE USE OF SUITABLE COMPRESSIBLE MATERIAL, EG. FLEXCEL OR FIBREBOARD. ALL INCOMING AND OUTGOING PIPES SHALL BE SURROUNDED WITH 150mm MIN. OF CONCRETE TO THE FACE OF THE COLLAR OF THE FIRST FLEXIBLE JOINT AND A COMPRESSIBLE FILTER USED AS A FORMER BETWEEN THE CONCRETE SURROUND AND DOWNSTREAM PIPE COLLAR.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

NOTES BELOW ARE ADDITIONAL TO HAZARDS/RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF WORK.

CONSTRUCTION

RISK ID NO SIGNIFICANT RISKS IDENTIFIED

OPERATIONS & MAINTENANCE

RISK ID NO SIGNIFICANT RISKS IDENTIFIED

DISMANTLING / DEMOLITION (FUTURE)

RISK ID NO SIGNIFICANT RISKS IDENTIFIED

REFER TO THE GENERAL NOTES, THE SCHEDULE OF SIGNIFICANT RESIDUAL RISKS (T447) AND THE PRINCIPAL CONTRACTOR FOR MORE INFORMATION.

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) AND ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM (AOD) UNLESS STATED OTHERWISE
 - DIMENSIONS AND LEVELS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF THE WORKS.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE FOLLOWING:
 - NYKGDD-WSP-HDG-SG-DR-CD-0500_0020
 - NYKGDD-WSP-HDG-SG-DR-CD-0500_0024
 - NYKGDD-WSP-HDG-SG-SH-CD-0001

- STRUCTURAL**
- EXCAVATION: EXCAVATION SHALL EXTEND AT LEAST 100MM BELOW THE UNDERSIDE OF THE PRECAST STRUCTURE BASE. THE EXCAVATION IS TO EXTEND A MINIMUM OF 300MM (22MM WHERE SOUND BEDROCK IS ENCOUNTERED AT 100MM) BEYOND THE OUTSIDE FACES OF THE STRUCTURE WALLS.
 - ANY OVERBURD TO THE FRONT AND UNDERSIDE OF THE TOE IS TO BE BACKFILLED WITH GEN1 MASS CONCRETE. ANY OVERBURD TO THE BASE ELSEWHERE IS TO BE BACKFILLED WITH COMPACTED IMPERVIOUS CLAY.
 - EXCAVATION IS TO BE BENCHED TO A SLOPE OF 1 HORIZONTAL TO 1 VERTICALLY. THE SLOPE OF THE EXCAVATION TO THE CULVERTS IS TO EXTEND UP TO THE GROUND LEVEL.
 - ANY SOFT SPOTS ENCOUNTERED AT FORMATION ARE TO BE REMOVED AND REFILLED WITH CLASS 2020 CONCRETE AS DESCRIBED IN NOTE 4 BELOW.
 - THE CONTRACTOR SHALL ALLOW FOR PROTECTION, TEMPORARY AND PERMANENT SUPPORT OF THE EXISTING UNDERGROUND SERVICES AND CO-ORDINATION WITH RELEVANT UTILITY COMPANIES. FOUNDATIONS TO HAVE A MINIMUM PENETRATION OF 150MM INTO DENSE SAND / GRAVEL. FORMATION SUB GRADE TO BE APPROVED BY THE PROJECT MANAGER BEFORE PLACING BEDDING CONCRETE. THE STRAIGHT IS TO BE COVERED WITH CONCRETE IMMEDIATELY AFTER THE APPROVAL OF THE EXCAVATION TO PREVENT THE DETRIORATION OF THE SOIL BY WEATHERING.
 - THE CONTRACTOR SHALL ALLOW FOR KEEPING SEWER TRENCHES AND EXCAVATIONS AS DRY AS PRACTICABLE BY PUMPING FROM TEMPORARY SUMPS AND DEWATERING AS APPROPRIATE.
 - BACKFILL: ALL TO STRUCTURES TO BE IMPORTED ACCEPTABLE MATERIAL CLASS 6N IN ACCORDANCE WITH VOLUME 1 SPECIFICATION FOR HIGHWAY WORKS.
 - BACKFILLING AND COMPACTION SHALL BE IN ACCORDANCE WITH CLAUSE 610 OF VOLUME 1 SPECIFICATION FOR HIGHWAY WORKS

NO	DATE	BY	DESCRIPTION	CHK	APP
001	13/07/2023	JF	FOR CONSTRUCTION USE	WM	WM

DRAWING STATUS

S3 - FOR REVIEW

Three White Rose Office Park, Millshaw Park Lane,
Leeds, LS11 1DD, UK
T +44 (0) 113 359 6200, F +44 (0) 113 395 6201
wsp.com

CENT:
NORTH YORKSHIRE COUNTY COUNCIL

STRUCTURED:
A59 KEX GILL DIVERSION

TITLE:
INTERCEPTOR CHANNEL CROSS SECTION AND HEADWALL CONNECTION DETAILS

SCALE	DATE	DESIGNED	CHKD	APPROVED
A3 SHOWN		JV	JV	WM

PROJECT NO: 70049554
DRAWING NO: NYKGDD-WSP-HDG-SG-DR-CD-0500_0019
REV: C01