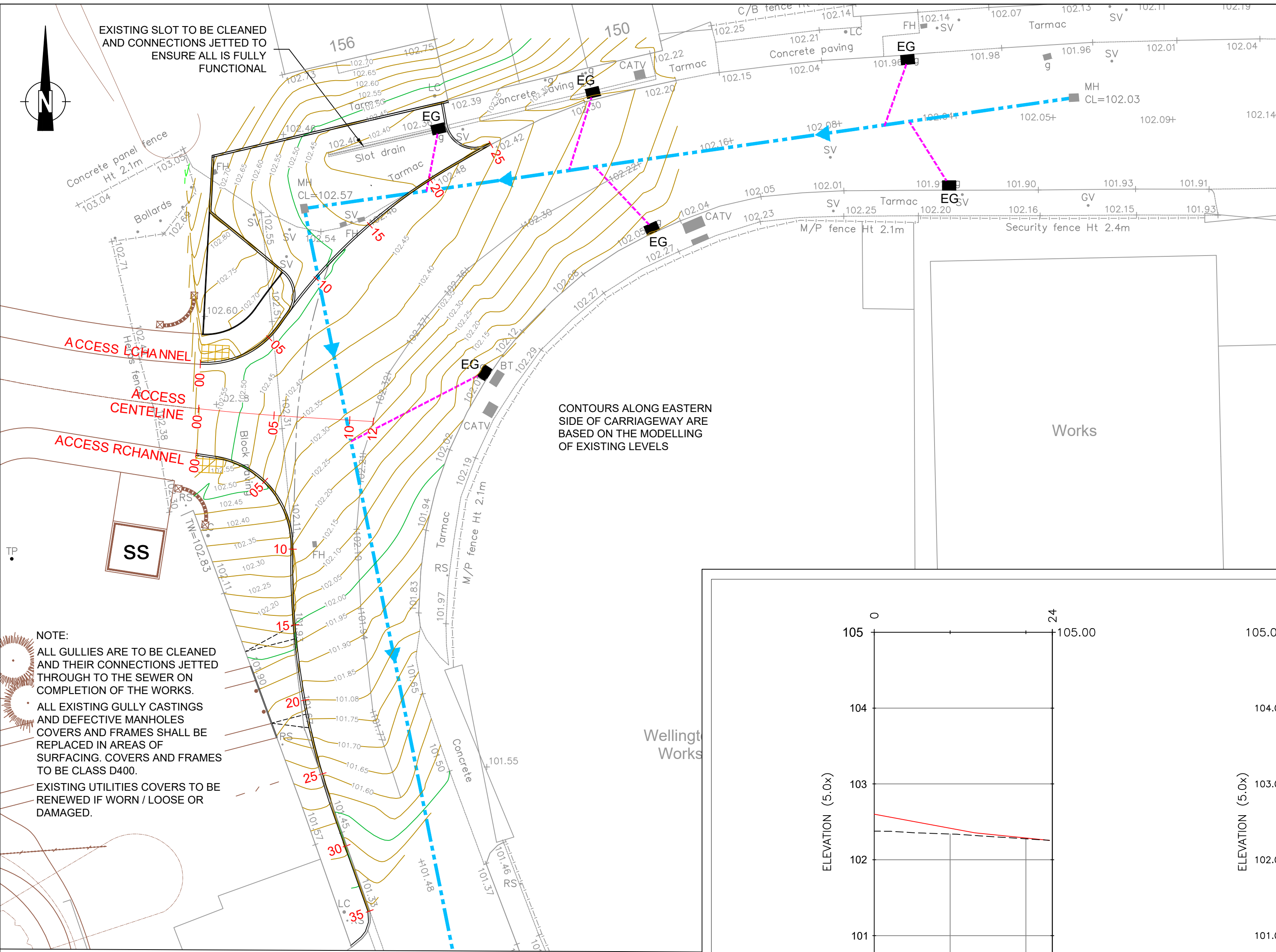




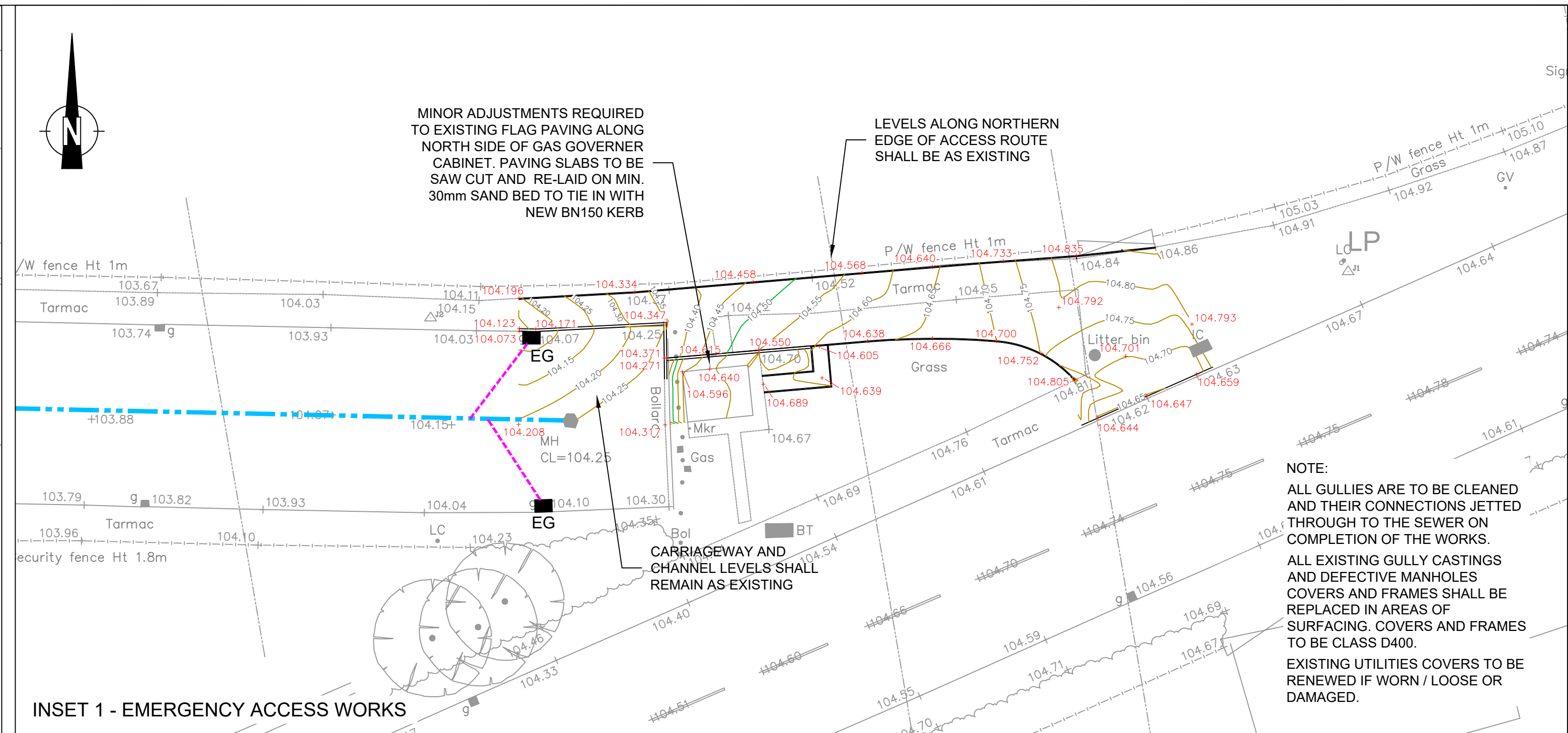
- NOTES**
- THE CONTRACTOR SHALL UNDERTAKE AN INSPECTION OF ANY RETAINED SECTIONS OF EXISTING DRAINAGE SYSTEM IN THE FORM OF A CCTV SURVEY, WHICH IS TO BE CARRIED OUT TO LOCATE ANY SECTIONS OF THE EXISTING SYSTEM THAT MAY REQUIRE REPAIR/REPLACEMENT. THE CONTRACTOR MUST NOTIFY THE APPROVING AUTHORITY OF ANY DEFECTS AND BLOCKAGES IN ANY RETAINED DRAINAGE NETWORKS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS ANY CONFLICTS BETWEEN EXISTING AND PROPOSED DRAINAGE TO BE CONFIRMED BY THE CONTRACTOR AND DESIGN AMENDED ACCORDINGLY.
 - THE LINE, LEVEL, CONDITION AND DIAMETER OF ALL EXISTING DRAINAGE AT ALL CONNECTION POINTS IS TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES ARE TO BE REPORTED TO THE DRAINAGE ENGINEER IMMEDIATELY.
 - THE LOCATION AND DEPTH OF ALL EXISTING SERVICES IN RELATION TO THE DRAINAGE IS TO BE IDENTIFIED PRIOR TO CONSTRUCTION BY THE CONTRACTOR BY MEANS OF HAND DIG AND IN CLOSE LIAISON WITH THE SERVICE PROVIDERS. ANY CONFLICTS ARE TO BE REPORTED TO THE DRAINAGE ENGINEER IMMEDIATELY.
 - ALL GULLY CONNECTIONS TO THE EXISTING DRAINAGE SYSTEM TO BE IN ACCORDANCE WITH CLAUSE 506 OF THE SHW.
 - ALL ADOPTABLE SEWERS, UNLESS OTHERWISE STATED, SHALL BE 150mm DIA TO BE HDPE TWINWALL PIPE
 - ALL HDPE PIPES SHALL BE BBA HAPAS APPROVED AND HAVE THE RELEVANT BBA HAPAS CERTIFICATE.
 - HIGHWAY DRAINS TO BE LAID IN CLASS 'S' BEDDING (150MM GRANULAR BED AND SURROUND) AND TRENCH BACKFILLED WITH TYPE 1 SUB-BASE MATERIAL
 - WHERE DEPTH OF COVER TO TOP OF SEWER IS LESS THAN 1.2M IN HIGHWAYS AND VERGES (OR LESS THAN 900MM IN NON VEHICULAR ACCESS AREAS) THEN 150MM CONCRETE BED AND SURROUND (CLASS 'Z') SHALL BE USED. REFER TO S.H.W VOLUME 3 HIGHWAY CONSTRUCTION DETAIL F1 FOR DETAILS OF CLASS 'S' AND 'Z' BEDDING ARRANGEMENTS.
 - WHERE RAISING THE COVER LEVEL OF AN EXISTING MANHOLE THE DEPTH TO THE FIRST STEP IRON MUST NOT EXCEED 675MM. IF THIS IS NOT POSSIBLE THEN THE MANHOLE SHOULD BE REPLACED OR ALTERNATIVE OPTIONS DISCUSSED WITH DRAINAGE ENGINEER.
 - CONNECTION FROM GULLYS TO SEWERS / SURFACE WATER DRAINS SHALL BE FLEXIBLE OR RIGID AND COMPLY WITH MCHW CLAUSE 508 TABLE 5/2.
 - THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO MAINTAIN ANY EXISTING DRAINAGE FLOWS AT ALL TIMES THROUGHOUT THE PERIOD OF THE WORK AND THEREAFTER.
 - THE CONTRACTOR IS ENTIRELY RESPONSIBLE FOR COMPLIANCE WITH THE HEALTH AND SAFETY AT WORK ACT. THE CONTRACTOR SHALL BE SPECIFICALLY RESPONSIBLE FOR ALL TEMPORARY WORKS AND FOR THE STABILITY OF ANY AFFECTED LAND AND STRUCTURES.
 - UNTIL SUCH A TIME THAT THIS DRAWINGS IS MARKED "APPROVED FOR CONSTRUCTION" ALL DRAINAGE IS INDICATIVE AND IS SUBJECT TO CHANGE FOLLOWING LIAISON WITH RELEVANT AUTHORITIES. THE CONTRACTOR MUST CONTACT THE DRAINAGE ENGINEER IMMEDIATELY IF CONSTRUCTION DRAWINGS ARE NOT MARK AS APPROVED.
 - FOR LEGAL SITE BOUNDARY SEE DEEDS PLANS IN POSSESSION OF THE DEVELOPER.
 - ON SUBSTANTIAL COMPLETION OF THE WORKS AND PRIOR TO LAYING THE CARRIAGEWAY SURFACE COURSE, THE CONTRACTOR SHALL JET/CLEAN ALL PIPES WITHIN THE SECTION 278 WORKS BOUNDARY AND PROVIDE A CLEARLY REFERENCED CCTV SURVEY RECORD FOR EACH NEW DRAIN RUN AND CONNECTION INCLUDING ANY EXISTING RUNS WITH NEW CONNECTIONS. THE RECORDS ARE TO BE SUBMITTED IN HARD COPY AND ELECTRONIC FORMAT.
 - THE CONTRACTOR SHALL MAKE THE NECESSARY S106 APPLICATION TO THE WATER AUTHORITY (UNITED UTILITIES) PRIOR TO MAKING ANY NEW CONNECTIONS INTO THE EXISTING PUBLIC SEWER SYSTEM.

CHAINAGE	H: V:	00.000 02.500 05.000 07.500 10.000 11.556
EXISTING LEVELS	H: V:	102.378 102.358 102.340 102.309 102.277 102.256
FINISHED LEVELS	H: V:	102.602 102.509 102.416 102.338 102.288 102.256
HORIZONTAL GEOMETRY	H: V:	R:151.9 L:6.6 L:4.9
VERTICAL GEOMETRY	H: V:	G:-1:26.9 (-3.7%) L:6.6 G:-1:49.8 (-2.0%) L:4.9

LONG SECTION: ACCESS CENTRELINE
SCALE: H:200, V:40
DATUM: 100.00

CHAINAGE	H: V:	00.000 05.000 10.000 15.000 20.000 24.617
EXISTING LEVELS	H: V:	102.479 102.478 102.476 102.453 102.477 102.415
FINISHED LEVELS	H: V:	102.539 102.523 102.508 102.493 102.478 102.415
HORIZONTAL GEOMETRY	H: V:	R:6.0 L:6.1 R:35.0 L:15.5 L:3.0
VERTICAL GEOMETRY	H: V:	G:-1:330.6 (-0.3%) L:20.3 G:-1:70.1 (-1.4%) L:4.4 (AS EXISTING)

LONG SECTION: ACCESS LCHANNEL
SCALE: H:200, V:40
DATUM: 100.00



CHAINAGE	H: V:	00.000 05.000 10.000 15.000 20.000 25.000 30.000 34.569
EXISTING LEVELS	H: V:	102.356 102.252 102.086 101.962 101.762 101.578 101.435 101.334
FINISHED LEVELS	H: V:	102.602 102.396 102.191 101.986 101.762 101.578 101.435 101.334
HORIZONTAL GEOMETRY	H: V:	L:1.3 R:6.0 L:8.5 R:50.0 L:16.4 L:6.4
VERTICAL GEOMETRY	H: V:	G:-1:24.4 (-4.1%) L:16.5 G:-1:21.7 (AS EXISTING) G:-1:31.6 (AS EXISTING) G:-1:44.1 (AS EXISTING)

LONG SECTION: ACCESS RCHANNEL
SCALE: H:200, V:40
DATUM: 100.00

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Drawing Status & Sustainability Code

FOR REVIEW & COMMENT

S3

Designed
IW

Drawn
IW

Checked
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Authorised
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Date
17.09.2024

Date
17.09.2024

Date
17.09.2024

Date
17.09.2024

Drawing Number
010063-SLR-HGN-XXX-DR-CH-0500

Rev.
P05

Scale
1:200

SLR Project No.
432.010063.00001

Client
TAYLOR WIMPEY (MANCHESTER)

Project
SECTION 278 HIGHWAY WORKS
STOPES ROAD, RADCLIFFE

Drawing Title
CONTOURS & DRAINAGE PLAN

P05 SITE ACCESS POSITION CHANGED

08.04.25

IW

NM

NM

P04 SITE ACCESS LEVELS RAISED

03.04.25

IW

NM

NM

P03 DRAWING STATUS CHANGED

29.01.25

IW

NM

NM

P02 HA COMMENTS

26.11.24

IW

NM

NM

P01 FIRST ISSUE

17.09.24

IW

NM

NM

Rev

Amendments

Date

By

Chk

Auth

AWAITING TECHNICAL APPROVAL

This drawing has NOT been technically approved by Local Authority and/or Water Authority. All works subject to change through technical review process with relevant approving authorities.

KEY:

--- 150mm Ø GULLY CONNECTION TO PROPOSED OR EXISTING DRAINAGE SYSTEM. SEE NOTES FOR SPECIFICATION. LAID AT MINIMUM 1in100 GRADIENT

EG EXISTING ROAD GULLY & CONNECTION INTO EXISTING SEWER

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

PLEASE REFER TO THE HEALTH AND SAFETY FILE FOR A FULL LIST OF THE HAZARDS ASSOCIATED WITH THE WORK. THE FOLLOWING ARE THE MOST SIGNIFICANT ITEMS TO BE AWARE OF.

CONSTRUCTION

1. ATTENTION IS DRAWN TO THE EXISTENCE OF BOTH EXISTING UNDERGROUND AND OVERHEAD UTILITIES.

2. WORKING ADJACENT TO LIVE CARRIAGEWAY (RISK OF WORKFORCE AND CONSTRUCTION PLANT CONFLICT WITH THE PUBLIC).

3. WORKING AT HEIGHTS INSTALLING SIGN PLATES.

4. WORKING IN CLOSE PROXIMITY TO LIVE SERVICES AND POSSIBLE UNCHARTED SERVICES.

5. WORKING IN THE VICINITY OF OVERHEAD POWER CABLES.

6. EXCAVATION WITHIN POSSIBLE CONTAMINATED GROUND.

7. WORKING WITH HAZARDOUS SUBSTANCE, SUCH AS BITUMINOUS MATERIALS, MORTARS, CONCRETE ETC.

8. MANUAL HANDLING OF HEAVY LOADS SUCH AS KERBS AND PAVING MATERIALS

9. DUST AND DEBRIS ARISING FROM THE CUTTING OF MATERIALS.

ENVIRONMENTAL

1. CONSIDERATION GIVEN TO NOISE LEVELS GIVEN PROXIMITY TO EXISTING PROPERTIES.

2. CONSIDERATION GIVEN TO GROUND CONDITIONS. CONTRACTOR TO REVIEW GEOTECHNICAL INFORMATION PRIOR TO UNDERTAKEN EXCAVATION WORKS.

WORK CAN ONLY BE CARRIED OUT BY SUITABLY TRAINED AND BRIEFED PERSONNEL.

0 2 4 8 12

1:200

SCALE (m)

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