

NOTES

- KEY**
- CONSORTIUM BOUNDARY
 - COLOURED SMA
 - GRASSED AREA
 - PROPOSED STREET LIGHTING (SPECIFICATION OF COLUMN AND LOCATIONS TO BE CONFIRMED)
 - PROPOSED BUS STOP LOCATION
 - PROPOSED SURFACE WATER DRAINAGE
 - PROPOSED FOUL WATER DRAINAGE
 - HIGHWAY GULLY
 - PROPOSED COMBINED SEWER OVERFLOW DIVERSION
 - PROPOSED 800x8 RISING MAIN DIVERSION
 - EXISTING FOUL WATER SEWER TO BE ABANDONED
 - EXISTING 800x8 RISING MAIN TO BE ABANDONED

N.B. FINISHED FLOOR LEVELS FOR RESIDENTIAL UNITS ARE GENERALLY ASSUMED TO BE 9.350m A.O.D.

ALL SEWERAGE WORKS INDICATED ARE SUBJECT TO APPROVAL BY DWR CYMRU.

GENERAL NOTES:

The Contractor is to check and verify all building and site dimensions, levels and sewer levels of connections before work starts. Any discrepancy is to be reported to Healer Associates before work commences.

The Contractor is to comply in all respects with current building legislation - Building Standard Specifications, Building Regulations etc., whether or not specifically stated on the drawings. The drawings must be read with and checked against any structural, geotechnical or other specialist documentation provided.

This drawing is not intended to show levels of foundations, ground conditions or ground contaminants. Each area of ground related work to support any structure (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for all existing ground conditions. Any support or full ground, contaminants or or within the ground, should be further investigated by a suitable expert. Any relevant construction should indicate typical slopes for guidance only and should be further investigated by a suitable expert.

When existing trees are shown to be retained they should be subject to a full Arboricultural Inspector for safety.

All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 6 metres from drainage and services. A suitable method of foundation is to be provided to accommodate the proposed tree planting.

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All sewers which are to be the subject of a Section 104 Agreement are to be constructed in accordance with the Healer Water County's Sewers for Adoption document (2018 Edition), and to the satisfaction of the adopting sewerage undertaker.

All the sewer trenches shall with proposed roads are to be back-filled with stone, unless specific written approval is received from the Local Authority's Engineer. Where road levels are to be confirmed, the material employed shall be as approved by the Local Authority's Engineer.

All adoptable pipes of 225mm diameter or less are to be E.S.V.C.

Larger pipes are to be Class II concrete.

E.S.V.C. pipe may be used subject to manufacturer's recommendations and specific approval of the adopting sewerage undertaker.

All lateral connections to main foul and storm sewers shall be 1000 minimum.

All sewers are to be constructed using Class S granular bed and surround.

All sewers with less than 1.2m of cover beneath roads or 5m elsewhere are to have 150mm thick Class 2 concrete bed and surround.

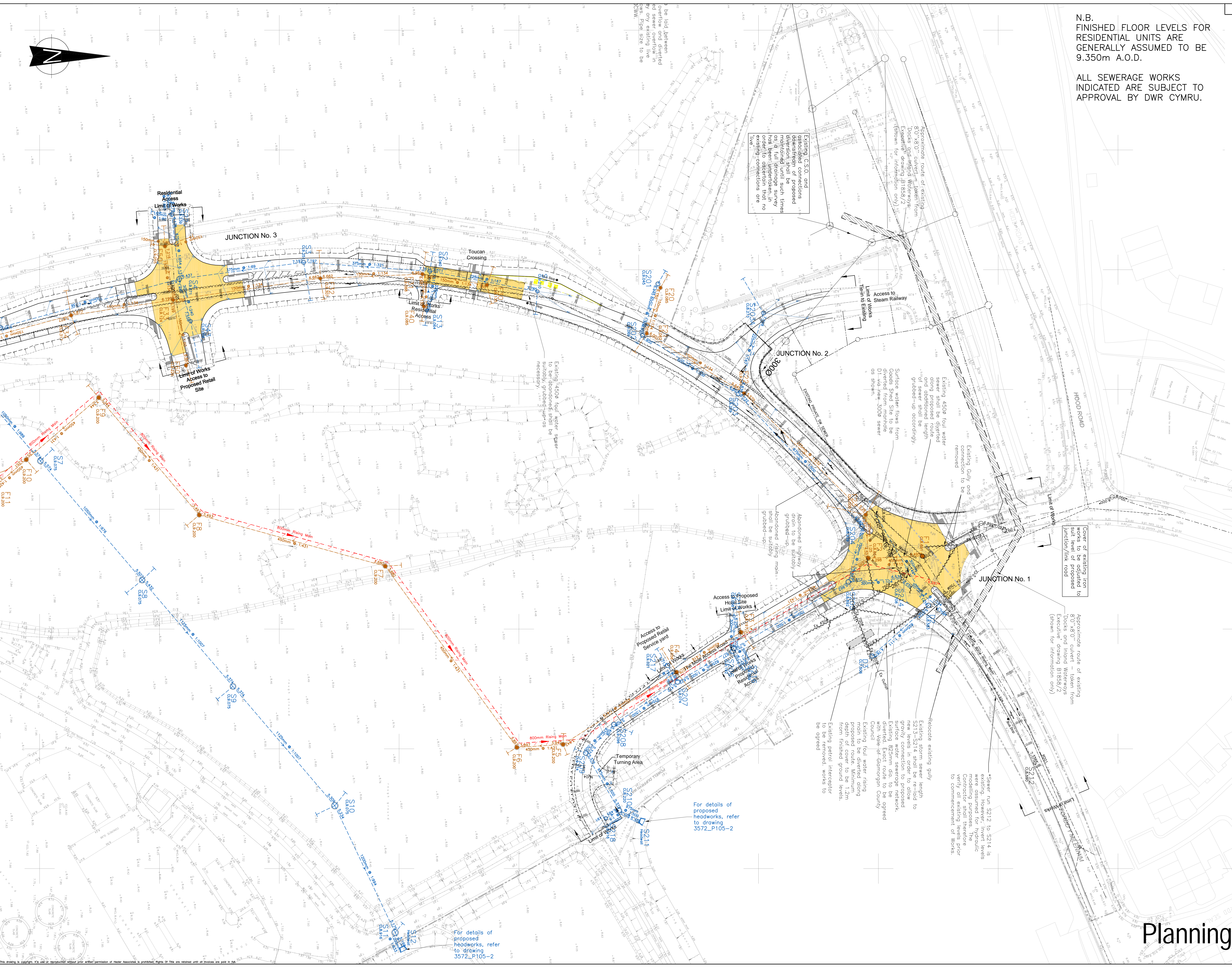
All outfall levels and existing sewer levels are to be confirmed by the Contractor before works commence.

The existing ground levels along the route of the proposed road are to be confirmed by the Contractor before works commence.

All roads which are to be the subject of a Section 38 Agreement are to be constructed in accordance with the Local Highway Authority's current specification and to the satisfaction of the Local Highway Authority's Engineer.

All construction methods and materials employed are to be in accordance with the current road and drainage specifications. All construction techniques are to be confirmed by C.B.A. test.

No responsibility will be taken for any construction work undertaken prior to receipt of technical approvals for the proposed construction, or other work not expressly detailed in accordance with the drawings.



Existing C.S.O. and associated connections downstream of proposed diversion shall be maintained until such times as has been undertaken in order to ascertain that no existing connections are live.

Approximate route of existing 80" x 80" culvert - taken from Docks and Inland Waterways' Esplanade drawing B1858/2 (shown for information only).

Existing 450x foul water sewer shall be diverted along proposed route of sewer shall be grubbed-up accordingly.

Approximate route of existing 80" x 80" culvert - taken from Docks and Inland Waterways' Esplanade drawing B1858/2 (shown for information only).

Relocate existing gully. Existing storm sewer length S213-S214 shall be re-routed to new levels in order to allow gravity connection to proposed surface water sewerage network. Exact route to be agreed with Vale-of-Glamorgan County Council.

Existing foul water rising main to be diverted along depth of cover to be 1.2m from finished ground levels. Existing petrol interceptor to be removed; works to be agreed.

Cover of existing works to be adjusted to suit level of proposed junction/link road.

For details of proposed headworks, refer to drawing 3572_P105-2

For details of proposed headworks, refer to drawing 3572_P105-2

Planning

A TL TL JUNCTION 2 REVISED TEMP ACCESS TO MAR 12 STEAM RAILWAY AND 3.5m FOOTWAY CYCLWAY ADDED BETWEEN JUNCTION 1 AND 1ST TOUCAN CROSSING.

healer associates

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CLIENT: BARRY WATERFRONT CONSORTIUM

DEVELOPMENT: BARRY WATERFRONT DEVELOPMENT

TITLE: LINK ROAD - DRAINAGE ARRANGEMENT

SHEET 1 OF 3

SCALE: 1:500

DATE: DEC'11

DRAWN: TP

CHECKED BY: [Signature]

ISSUE: A0

DRAWING NUMBER: 3572_P102-1

REVISION: A

NOTES

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N.B. FINISHED FLOOR LEVELS FOR RESIDENTIAL UNITS ARE GENERALLY ASSUMED TO BE 9.350m A.O.D.

ALL SEWERAGE WORKS INDICATED ARE SUBJECT TO APPROVAL BY DWR CYMRU.

GENERAL NOTES:

The Contractor is to check and verify all building and site dimensions, levels and sewer levels at construction points before work starts. Any discrepancy is to be reported to Healer Associates before work commences.

The Contractor is to comply with current building legislation - Building Standard Specifications, Building Regulations etc., whether or not specifically stated on the drawings. The drawings must be read with and checked against any structure, geotechnical or other specialist documentation available.

This drawing is not intended to show levels of foundations, ground conditions or ground contaminants. Each area of ground related work to support any structure (including drainage) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for all existing ground conditions. Any support or full ground, contaminants or or within the ground, should be further investigated by a suitable expert. Any remedial construction should indicate typical slopes for guidance only and should be further investigated by a suitable expert.

When existing trees are shown to be retained they should be subject to a full Arboricultural Inspector for safety.

All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 6 metres from drainage and services. A suitable method of foundation is to be provided to accommodate the proposed tree planting.

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All sewers which are to be the subject of a Section 104 Agreement are to be constructed in accordance with the National Water Council's Sewers for Adoption document 20th Edition, and to the satisfaction of the adopting sewerage undertaker.

All the sewer trenches and other proposed roads are to be back-filled with stone, unless specific written approval is sought and received from the Local Authority's Engineer in relation to excavated material. Where road levels dictate, the material employed shall be approved by the Local Authority's Engineer.

All adoptable pipes of 225mm diameter or less are to be E.S.V.C.

Larger pipes are to be Class 3 concrete.

L.V.C. pipe may be used subject to manufacturer's recommendations and specific approval of the adopting sewerage undertaker.

All lateral connections to main foul and storm sewers shall be 1000 minimum.

All sewers are to be constructed using Class 5 granular bed and surround.

All sewers with less than 1.2m of cover beneath roads or 5m elsewhere are to have 150mm 80k Class 2 concrete and surround.

All actual levels and existing sewer levels are to be confirmed by the Contractor before works commence.

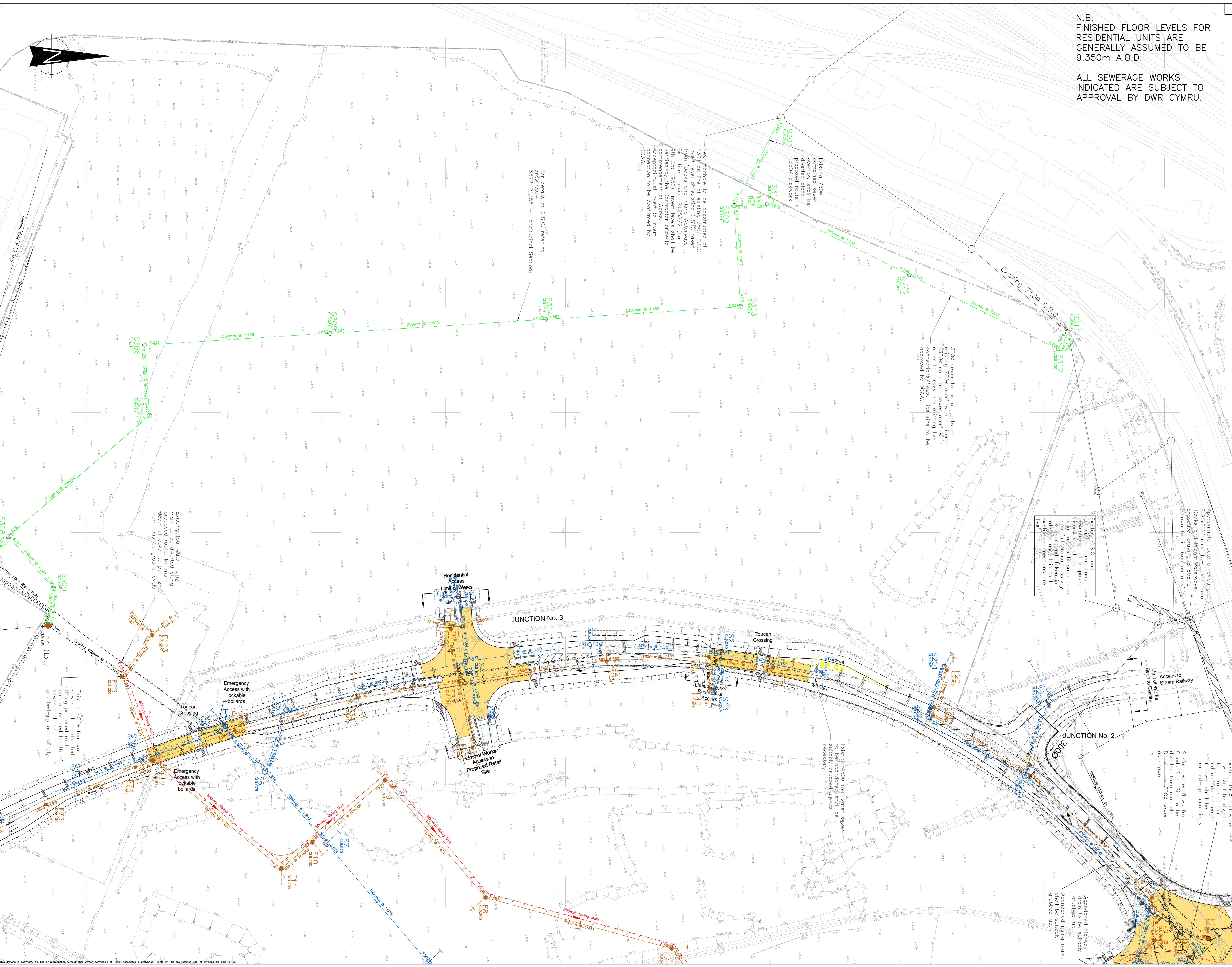
The existing ground levels along the route of the proposed road are to be confirmed by the Contractor before works commence.

All roads which are to be the subject of a Section 38 Agreement are to be constructed in accordance with the Local Highway Authority's current specification and to the satisfaction of the Local Highway Authority's Engineer.

All construction methods and materials employed are to be in accordance with the current road and bridge specification. All construction thicknesses are to be confirmed by C.B.R. test.

No responsibility will be taken for any construction work undertaken prior to receipt of technical approvals for the proposed construction, or when work is not executed strictly in accordance with the drawings.

Planning



Existing C.S.O. and associated connections downstream of proposed manholes until such times as a full drainage survey has been undertaken in order to ascertain that no live connections are present.

Approximate route of existing 80" 780" culvert - Later from Docks and Inland Waterways (shown for information only)

Surface water flows from Goods Shed Site to be diverted from manhole D140 near 3000 sewer (see sketch).

Abandoned highway gully to be suitably grubbed-up. Abandoned rising main shall be suitably grubbed-up.

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CLIENT: BARRY WATERFRONT CONSORTIUM	
DEVELOPMENT: BARRY WATERFRONT DEVELOPMENT	
TITLE: LINK ROAD - DRAINAGE ARRANGEMENT SHEET 2 OF 3	
SCALE: 1:500	
DRAWN BY: TP	CHECKED BY: AO
DATE: DEC'11	REVISION:
DRAWING NUMBER: 3572_P102-2	

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GENERAL NOTES:

The Contractor to check and verify all building and site dimensions, levels and sewer invert levels at connection points before work starts. Any discrepancy is to be reported to Healer Associates before work commences.

The Contractor to comply in all respects with current building legislation - Building Standards Specifications, Building Regulations etc., whether or not specifically stated on this drawing.

The drawing must be read with and checked against any structural, geotechnical or other specialist documentation provided.

This drawing is not intended to show details of foundations, ground conditions or ground contaminants. Each area of ground which is to support any structure (including retaining walls) must be investigated by the Contractor. A suitable method of foundation should be provided allowing for all existing ground conditions. Any aspect of full ground, contaminants or within the ground, should be further investigated by a suitable expert. Any asbestos contamination should be investigated by a suitable expert and should be further investigated by a suitable expert.

Where existing trees are shown to be retained they should be subject to a full Arboricultural Inspection by a suitably qualified person.

All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 6 metres from curbs and services. A suitable method of foundation is to be provided to accommodate the proposed tree planting.

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All sewers which are to be the subject of a Section 104 Agreement are to be constructed in accordance with the National Water Council's Sewers for Adoption document (8th Edition), and to the satisfaction of the adopting sewerage undertaker.

All the sewer trenches shall with proposed manholes to be built with stone, unless specified, written approval is sought and received from the Local Authority's Engineer to return excavated materials. Where road kerbs are to be reinstated, the materials employed as shall be approved by the Local Authority's Engineer.

All manholes shall be of 225mm diameter or less and be E.S.V.C.

L.P.V.C. pipes may be used subject to manufacturers recommendations and specific approval of the adopting sewerage undertaker.

All manhole connections to main foul and storm sewers shall be 1500 minimum.

All sewers are to be constructed using Class 5 granular bed and sursum.

All sewers with less than 1.2m of cover beneath roads or 0.6m elsewhere are to have 150mm thick Class Z concrete bed and sursum.

All outfall levels and existing sewer levels are to be confirmed by the Contractor before work commences.

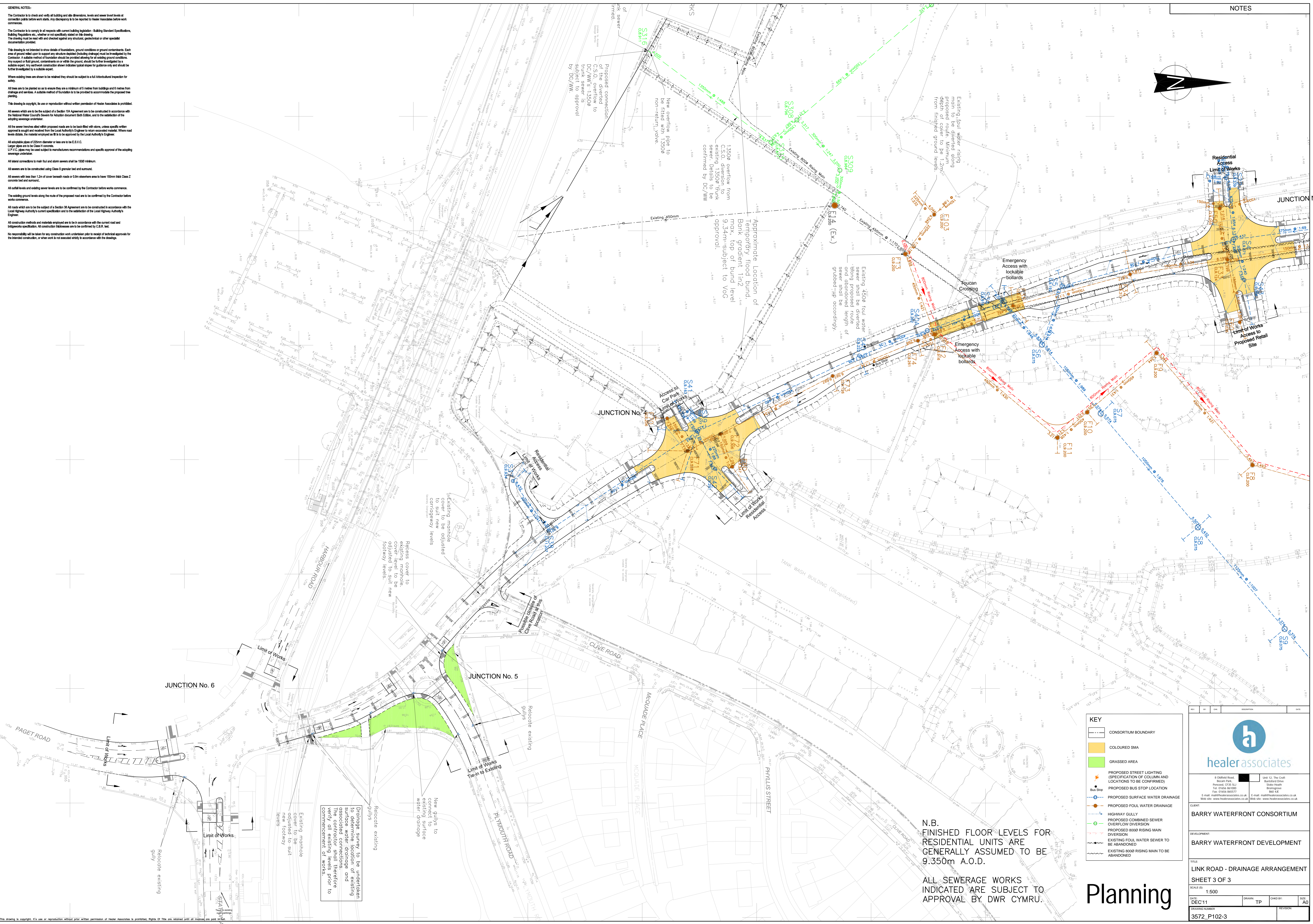
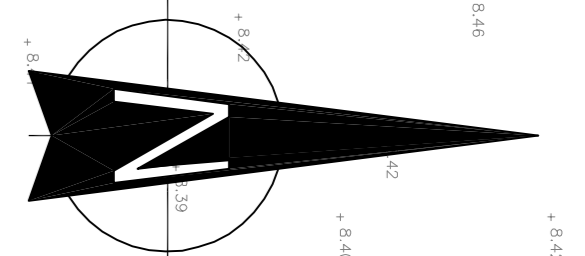
The existing ground levels along the route of the proposed road are to be confirmed by the Contractor before work commences.

All works which are to be the subject of a Section 104 Agreement are to be constructed in accordance with the Local Highway Authority's current specifications and to the satisfaction of the Local Highway Authority's Engineer.

All construction methods and materials employed are to be in accordance with the current road and highways specification. All contractor responsibilities are to be confirmed by C.B. text.

No responsibility will be taken for any construction work undertaken prior to receipt of technical approvals for the intended construction, or when work is not executed strictly in accordance with the drawings.

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CLIENT: **BARRY WATERFRONT CONSORTIUM**

DEVELOPMENT: **BARRY WATERFRONT DEVELOPMENT**

TITLE: **LINK ROAD - DRAINAGE ARRANGEMENT**

SHEET 3 OF 3

SCALE: 1:500

DATE: DEC'11

DRAWN: TP

CHECKED BY: [Signature]

ISSUE: A0

DRAWING NUMBER: 3572_P102-3

N.B. FINISHED FLOOR LEVELS FOR RESIDENTIAL UNITS ARE GENERALLY ASSUMED TO BE 9.350m A.O.D.

ALL SEWERAGE WORKS INDICATED ARE SUBJECT TO APPROVAL BY DWR CYMRU.

Planning

Drainage survey to be undertaken to determine location of existing surface water drains and associated connections. The contractor shall therefore verify all existing levels prior to commencement of works.

New gullies to connect to existing surface water drainage

Relocate existing gullies

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