

DO NOT SCALE

Notes

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- This drawing should be read in conjunction with all other relevant engineering details, drawings & specifications.
- Any discrepancies should be reported to the design engineer immediately, so that clarification can be sought prior to the commencement of works.
- All works are to be in accordance with Reading Borough Council specifications and standard details.
- Contractor to establish all utility and drainage locations and coordinate safe working procedures before any excavation works take place.
- Where applicable, existing manhole covers and utility covers are to be adjusted to new surfacing levels before the final surfacing takes place.
- The works shall be programmed to ensure a clear footway is available for pedestrians throughout the works on or another side of the carriageway.
- All traffic management arrangements to be carried out in accordance with Traffic Signs Manual Chapter 8.
- All setting out on site to be agreed with Engineer.
- Diagram numbers refer to "Traffic Signs Regulations and General Directions 2016".
- Mounting heights of all signs to be:
  - footway 2.1m
  - cycleways 2.4m
  - verges and non-pedestrian areas as directed by the Engineer (normally) 1.8m.
 If above mounting heights are not achievable due to practical reasons on site, contact the Engineer for further clarification.
- All signs and street furniture to have a minimal lateral clearance of 450mm from all kerb faces.
- All non-illuminated signs and supplementary plates to be retroreflective class RA2 material.

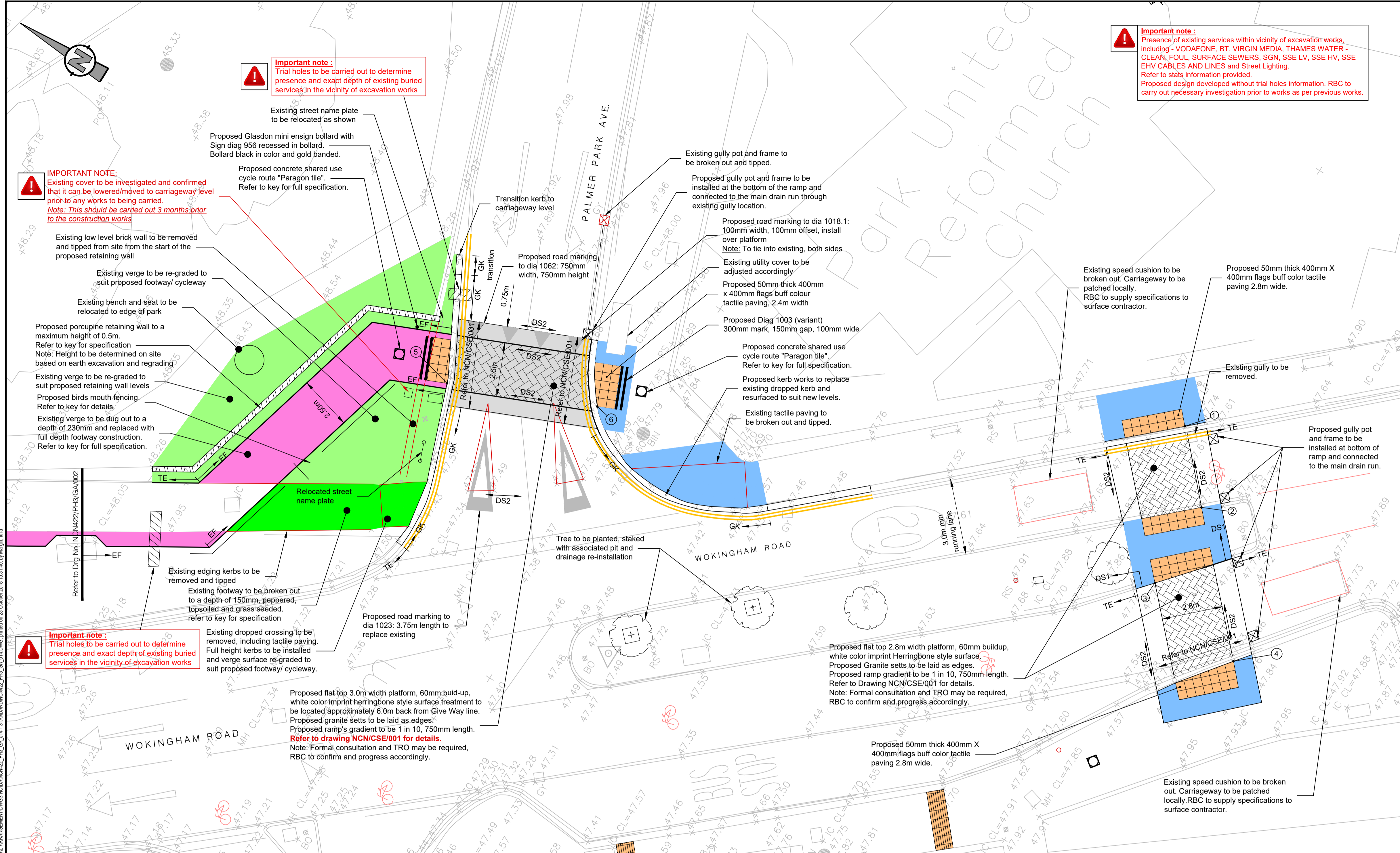
Key

- Items to be removed / broken out and tipped
- Proposed full height kerb, refer to RBC standard detail SD/1101
- Proposed dropped kerb, refer to RBC standard detail SD/1101
- Tie into existing kerb line
- Proposed precast concrete edging kerbs, refer to RBC standard detail SD/1101
- Proposed flush granite sett kerb, refer to RBC standard detail SD/1101
- Proposed flush granite sett kerb, refer to RBC standard detail SD/1101
- Proposed granite kerb at 125mm height, refer to RBC standard detail SD/1101
- Proposed dropped granite kerb, refer to RBC standard detail SD/1101
- Existing footway construction to be broken out to a depth of 20mm (up to 80mm if required) and shall be prepared for an in-lay. Proposed footway construction shall be:
  - 20mm of 6mm size dense asphalt concrete
  - 60mm of 20mm size asphalt concrete dense binder course (20 nominal size)
 Refer to RBC standard detail SD/1105
- Existing surface to be dug out to a depth of 230mm or topped up on existing carriageway surface. Proposed footway construction shall be:
  - 20mm of 6mm size dense asphalt concrete
  - 60mm of 20mm size asphalt concrete dense binder course (20 nominal size)
  - 150mm of Type 1 sub-base material.
 Refer to RBC standard detail SD/1105  
 Note: Standard geotextile to be laid underneath footway construction, Terram T1000 or similar where new construction was previously verge
- Road marking to TSRGD specification (yellow screed)
- Road marking to TSRGD specification (white screed)
- Precast concrete tactile flag (blister paving) 50mm thick 400mm x 400mm buff colour and shall comply with BS 7263-3:2001
- Proposed corduroy hazard paving 400mm x 400mm, modules with raised ribs to 800mm width. (e.g. two depth)
- Proposed bird's mouth fencing, refer to Standard Detail NCN422/SD/002
- Concrete shared use cycle route "Paragon" tile (450 x 450mm), refer to standard detail NCN422/SD/001. Tile to be located centrally on the footway/cycleway and not across vehicular accesses.
- Proposed gully, gully frame and pot connected via 150mm diameter drainage pipe, refer to RBC Standard Detail 15975/SD504.
- Proposed white colour Herringbone pattern imprint surface treatment to the following specifications: Ennis-Flint "DuraTherm" preformed thermoplastic material inlay into imprinted asphalt laid to supplier's specifications.
- Proposed porcupine retaining wall to a maximum height of 0.5m. Retaining wall to be laid as per manufacturer's instructions with block dimensions at 330mm wide x 200mm length x 150mm height. Contact details:  
 Armortec, Quarryfields, Ruthin, Denbighshire UK, LL15 2UG  
 T: 01824 709102 info@armortec.co.uk / www.armortec.co.uk
- Proposed area to be dug out/broken out to a depth 150mm, peppered and backfilled with topsoil to original depth, re-graded to suit proposed levels and grass seeded

**Important note:**  
 Presence of existing services within vicinity of excavation works, including - VODAFONE, BT, VIRGIN MEDIA, THAMES WATER - CLEAN, FOUL, SURFACE SEWERS, SGN, SSE LV, SSE HV, SSE EHV CABLES AND LINES and Street Lighting.  
 Refer to slats information provided.  
 Proposed design developed without trial holes information, RBC to carry out necessary investigation prior to works as per previous works.

**Important note:**  
 Trial holes to be carried out to determine presence and exact depth of existing buried services in the vicinity of excavation works

**IMPORTANT NOTE:**  
 Existing cover to be investigated and confirmed that it can be lowered/moved to carriageway level prior to any works to be carried.  
 Note: This should be carried out 3 months prior to the construction works



Setting out table

Setting out point	Easting	Northing
1	473866.751	172819.027
2	473863.988	172816.398
3	473903.107	172773.228
4	473905.017	172771.066
5	473850.448	172848.840
6	473853.205	172842.420

Proposed Belisha Beacon (NCN422/PH3/GA/022)

Beacon:  
 LED Zebrite beacon  
 Supplier: Zebrite Ltd  
 Address: Unit 9, Mill House Farm, Billingford Road, North Elmham,  
 Norfolk, NR20 5HN  
 Tel. 0845 003 7361

Belisha beacon post:  
 Signature CDM Zebrasafe - ZEB4-CDM 4 Band - assembly post 3.7m OAL (600pd)  
 Supplier: Signature  
 Address: Hainge Road, Tividale, Oldbury, West Midlands, B69 2NY  
 Tel. 0121 5570234

File name: A:\700330\70040897 - WOKINGHAM HIGHWAY ALLIANCE\RBC - NCN PH3 RAMP PHASE 3 HIGHWAYS TRANSFER\70028224\01 DRAWINGS\AUTO-CAD\GA GENERAL ARRANGEMENTS\WOKINGHAM ROAD PH3/GA/002.DWG, printed on 20 October 2018 15:31:40, by Margo, Iida

REV	DATE	BY	DESCRIPTION	CHK	APP
D	01/10/2018	IM	CHANGES FOLLOWING RSA & CLIENT COMMENTS	SG	EH
C	10/08/2018	SB	DETAILED DESIGN INFORMATION ADDED	RMB	EH
B	31/01/2018	IM	PALMER PARK AVENUE RAMPED PLATFORM REDUCED FROM 3.0M TO 2.5M WIDTH. CENTRAL ISLAND ON WOKINGHAM ROAD, WIDTH REDUCED TO 2.5M. KERB LINE ADJUSTMENTS AND REMOVAL OF GRANITE SETTS	REA	EH
A	31/10/2017	IM	FIRST ISSUE	REA	EH

DRAWING STATUS:  
**S4 - FOR CONSTRUCTION APPROVAL**

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 Basing View  
 Basingstoke  
 RG21 4HU, UK  
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 F+ 44 (0) 1256 318 700  
 wsp.com

CLIENT:  
**READING BOROUGH COUNCIL**

ARCHITECT:

PROJECT:  
**NCN CYCLE ROUTE IMPROVEMENT**

TITLE:  
**PHASE 3  
 WOKINGHAM ROAD/ PALMER PARK AVENUE**

SCALE @ A1:  
 1:200

CHECKED:  
 RMB

APPROVED:  
 EH

PROJECT NO:  
 70028224

DESIGNED:  
 TRA

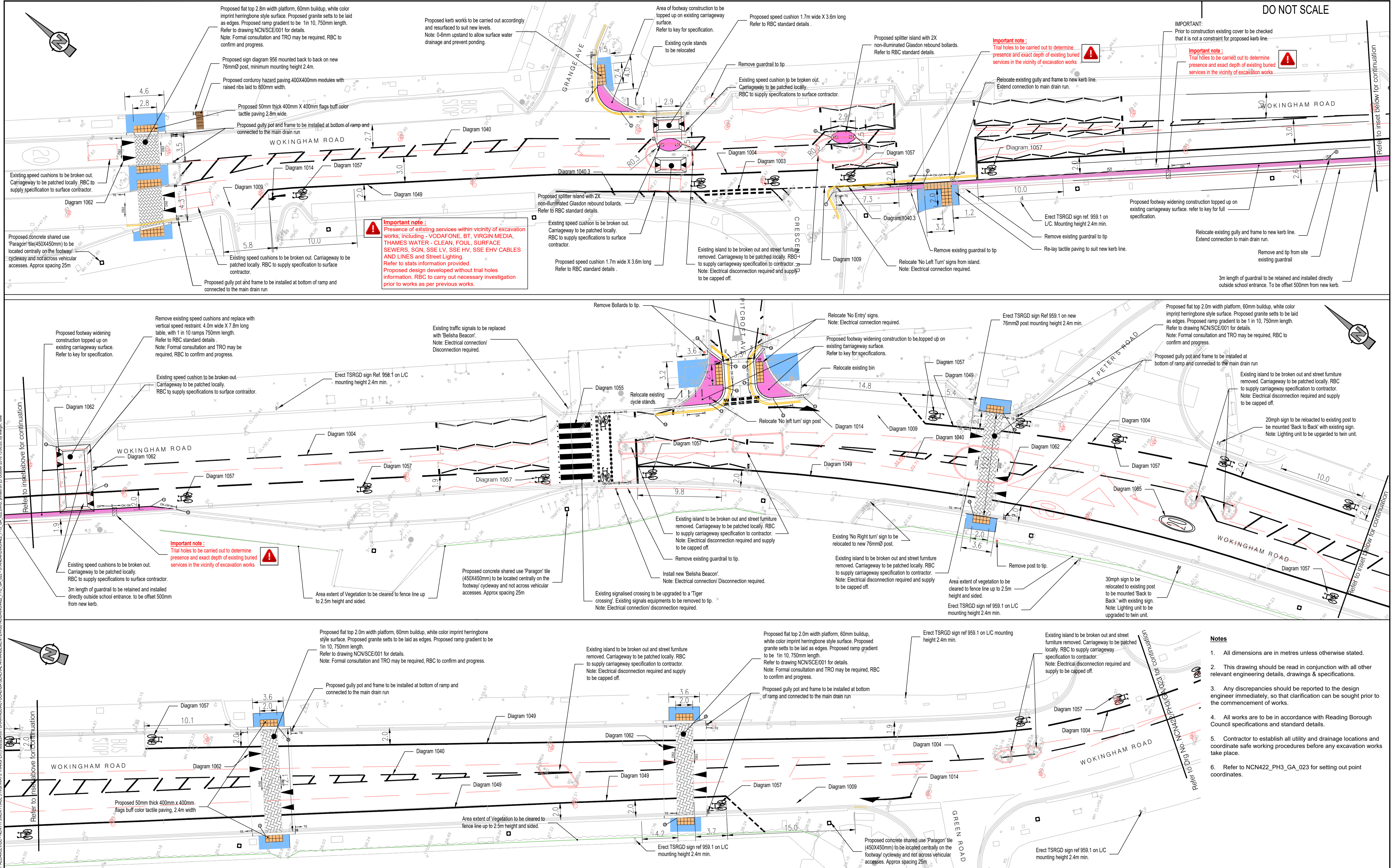
DRAWN:  
 SB

DATE:  
 October 18

DRAWING NO:  
**NCN422\_PH3\_GA\_014**

REV:  
**D**

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**NOTE: FOR KEY REFER TO NCN422\_PH3\_GA\_014**

D	19/10/2018	IM	AMENDMENTS FOLLOWING RSA AND CONSULTATIONS WITH CLIENT	CJ	EH
C	08/10/2018	SB	DETAILED DESIGN INFORMATION ADDED	RMB	SB
B	01/05/2018	IM	BUILD-OUTS ADDED TO PITCROFT AVE & GRANGE AVE JUNCTIONS WITH ADDITIONAL VERTICAL CONSTRAINTS ON WOKINGHAM ROAD AS REQUESTED BY THE CLIENT	RE	EH
A	10/04/2018	IM	FIRST ISSUE	RE	EH
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S4 - FOR CONSTRUCTION APPROVAL

CLIENT:	READING BOROUGH COUNCIL
ARCHITECT:	WSP

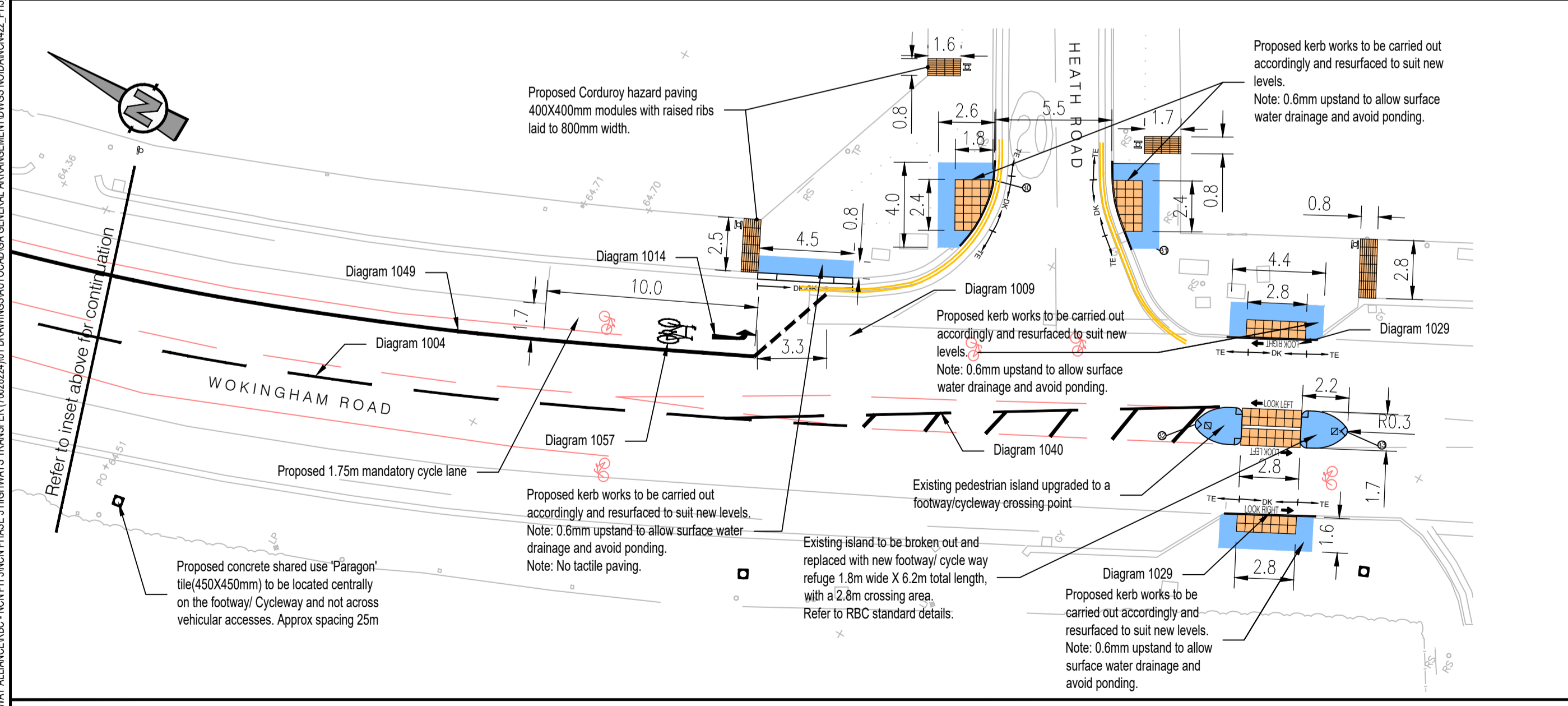
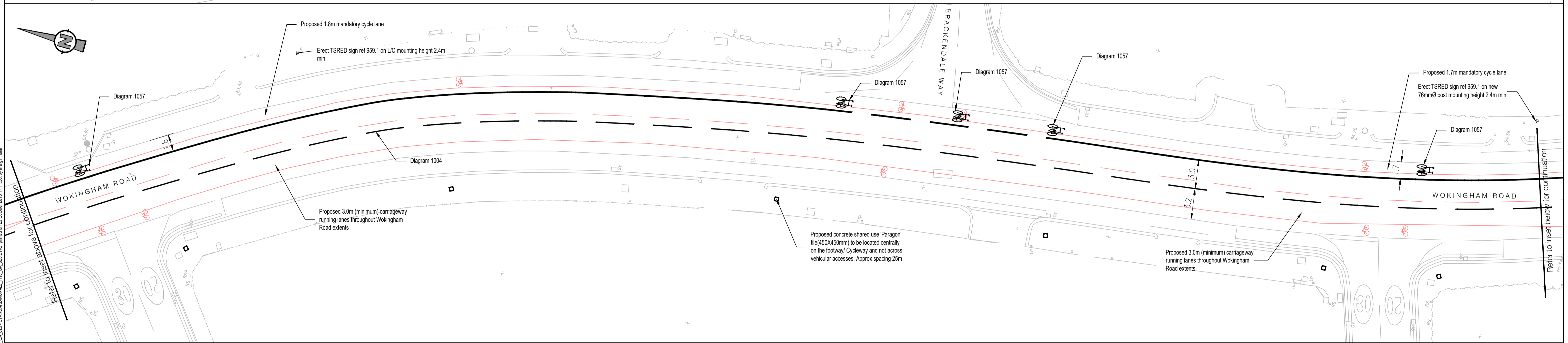
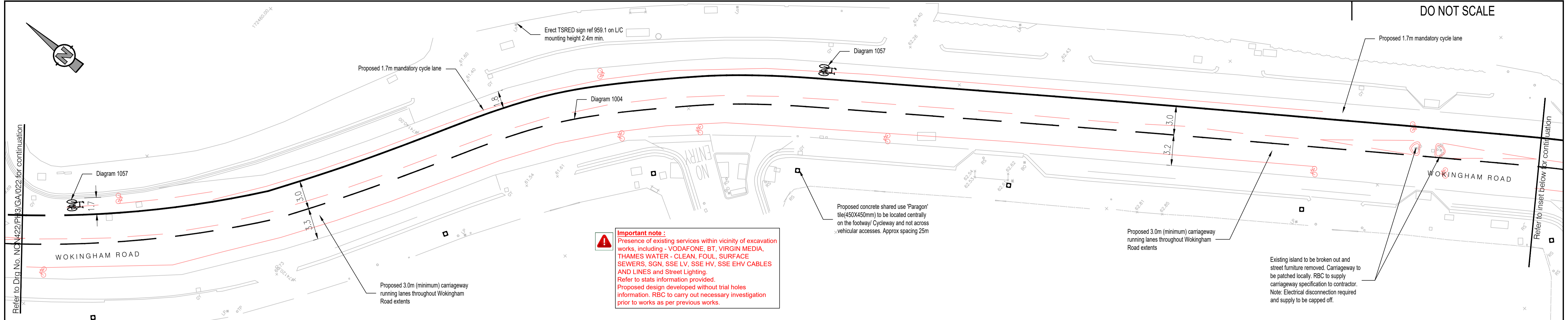
PROJECT:	NCN CYCLE ROUTE IMPROVEMENT
TITLE:	PHASE 3 - OPTION 3 WOKINGHAM ROAD - MANDATORY CYCLE LANES Sheet 1 of 2

SCALE @ A1:	1:200	CHECKED:	TJ	APPROVED:	EH
PROJECT NO:	70028224	DESIGNED:	RMB	DRAWN:	SB
DRAWING NO:	NCN422_PH3_GA_022	DATE:	October 18	REV:	C

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File name: A:\004\30\004\3897 - WOKINGHAM HIGHWAY ALLIANCE\RBC - NCN PH 3\NCN PHASE 3\HIGHWAYS TRANSFER\02022\01 DRAWINGS\AUTOCAD\GENERAL ARRANGEMENTS\WOKINGHAM ROAD MANDATORY CYCLE LINES NCN422 PH3 GA 022.DWG, revised on 20 October 2018 15:56:26, by Marjyn, Lda

DO NOT SCALE



Setting out table

Setting out point	Easting	Northing
1	473903.847	172782.979
2	473903.351	172779.048
3	473907.407	172774.371
4	473899.446	172767.073
5	473916.872	172758.193
6	473918.783	172756.031
7	473912.078	172753.914
8	473919.727	172746.460
9	473952.210	172712.073
10	473967.326	172695.290
11	473965.671	172697.786
12	473963.889	172710.780
13	473962.788	172704.198
14	474021.704	172659.629
15	474021.609	172657.158
16	474019.534	172655.204
17	474019.534	172655.204
18	474011.778	172659.428
19	474025.943	172655.199
20	474024.033	172654.633
21	474022.121	172652.833
22	474022.084	172649.956
23	474024.597	172647.465
24	474038.113	172628.334
25	474026.810	172623.389
26	474026.810	172623.389
27	474055.804	172558.639
28	474085.267	172516.111
29	474074.210	172514.060
30	474282.156	172164.457
31	474283.167	172157.835
32	474276.942	172150.419
33	474280.237	172144.031

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NOTE: FOR KEY REFER TO NCN422\_PH3\_GA\_014

REV	DATE	BY	DESCRIPTION	CHK	APP
C	02/10/2018	IM	CHANGES FOLLOWING RSA & CLIENT COMMENTS	SG	EH
B	10/08/2018	SB	DETAILED DESIGN LABELS ADDED	RMB	EH
A	10/04/2018	IM	FIRST ISSUE	RA	EH

DRAWING STATUS:  
**S4 - FOR CONSTRUCTION APPROVAL**

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CLIENT:  
**READING BOROUGH COUNCIL**

ARCHITECT:

PROJECT:  
**NCN CYCLE ROUTE IMPROVEMENT**

TITLE:  
**PHASE 3 - OPTION 3  
 WOKINGHAM ROAD - MANDATORY CYCLE LANES  
 Sheet 2 of 2**

SCALE @ A1:  
 1:200

CHECKED:  
 RMB

APPROVED:  
 EH

PROJECT NO:  
 70028224

DESIGNED:  
 RMB

DRAWN:  
 SB

DATE:  
 October 18

DRAWING NO:  
**NCN422\_PH3\_GA\_023**

REV:  
**C**

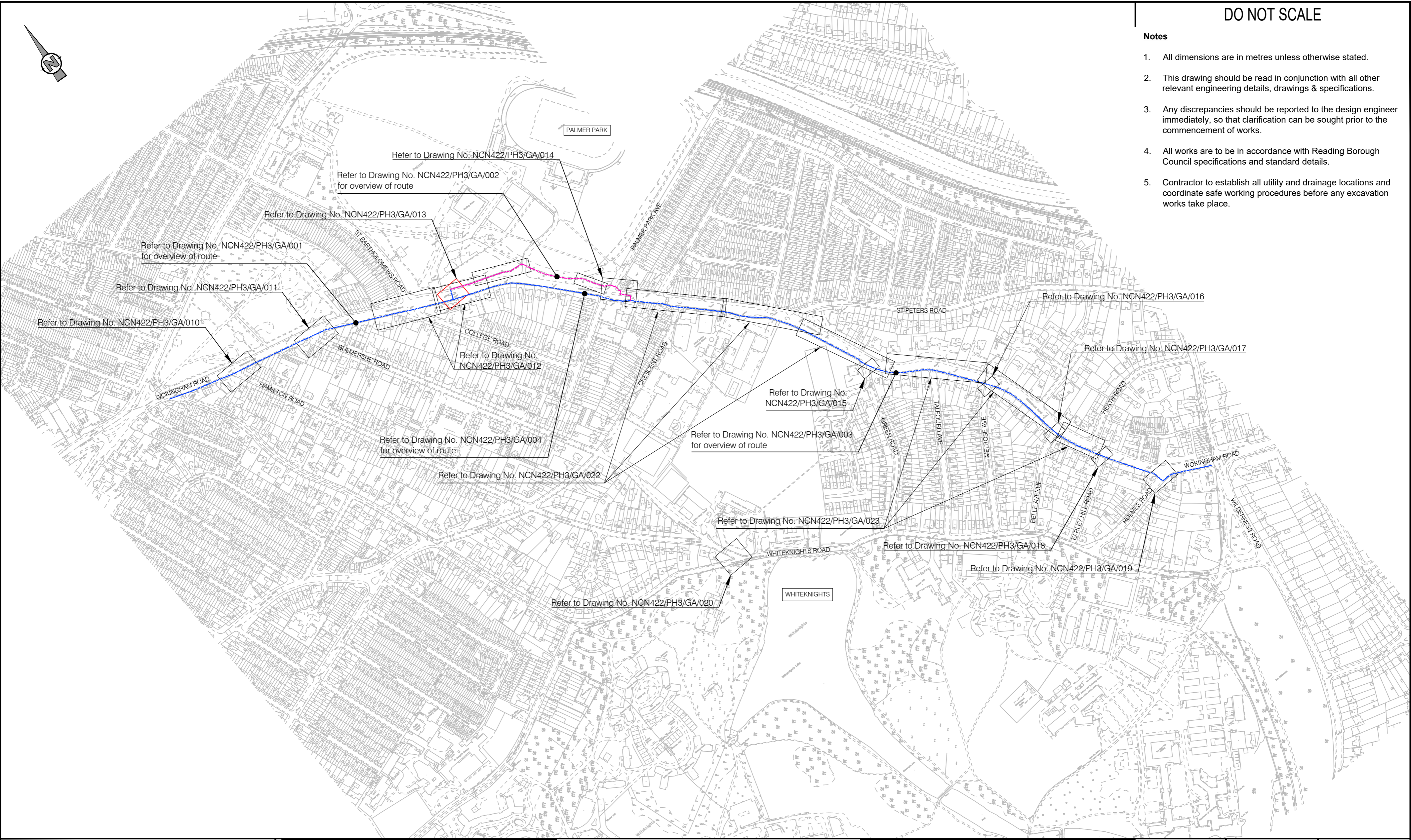
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 Refer to inset below for continuation  
 Refer to inset below for continuation  
 Refer to inset above for continuation

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REV	DATE	BY	DESCRIPTION	CHK	APP
C	01/10/2018	IM	DRAWING NO. GA/021 REPLACED BY GA/022 & GA/023	RP	EH
B	23/11/2017	IM	ADDITIONAL DRAWING REFERENCES ADDED	RA	EH
A	20/10/2017	IM	FIRST ISSUE	RA	EH

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CLIENT: <b>READING BOROUGH COUNCIL</b>
ARCHITECT:

PROJECT: <b>NCN CYCLE ROUTE IMPROVEMENT</b>
TITLE: <b>PHASE 3 WOKINGHAM ROAD - LOCATION PLAN</b>

SCALE @ A2: NTS	CHECKED: RB	APPROVED: EH
PROJECT No: 70028224	DESIGNED: TRA	DRAWN: IM
DRAWING No: <b>NCN422_PH3_LOC_001_C</b>		DATE: August 18
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