

# **APPENDIX A**

*MLM and CGL Drawings*

**CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATION 2015**

**DESIGNERS HAZARD INFORMATION FOR CONSTRUCTION**

1. IF YOU DO NOT FULLY UNDERSTAND THE RISKS INVOLVED DURING THE CONSTRUCTION OF THE ITEMS INDICATED ON THIS DRAWING ASK YOUR MANAGER, HEALTH & SAFETY ADVISOR OR A MEMBER OF THE DESIGN TEAM BEFORE PROCEEDING.

2. **ASBESTOS**  
THE CONTRACTOR SHOULD ENSURE THAT A TYPE 3 ASBESTOS SURVEY IS UNDERTAKEN PRIOR TO ANY DEMOLITION. ANY ASBESTOS IDENTIFIED SHOULD BE REMOVED IN A SAFE MANNER BY A SPECIALIST CONTRACTOR AND DISPOSED OF TO A SUITABLY LICENCED TIP.

3. **BURIED SERVICES**  
THE CONTRACTOR SHOULD COLLATE ALL CURRENT SERVICES INFORMATION AND IS ADVISED TO UNDERTAKE HIS OWN ON-SITE SEARCHES/SURVEYS TO CHECK FOR ANY FURTHER SERVICES. ALL KNOWN SERVICES IDENTIFIED SHOULD BE RECORDED AND MARKED OUT ON SITE.

4. **GROUND CONTAMINATION**  
HIGH STANDARDS OF PERSONAL HYGIENE ARE TO MAINTAINED AND ALL WORKERS SHOULD BE VIGILANT AND USE APPROPRIATE PPE. QUALIFIED ENVIRONMENTAL ENGINEERS ARE TO BE APPOINTED TO MONITOR AND TEST THE SOILS.

5. **DRILLING RIG STABILITY**  
THE PILING CONTRACTOR SHOULD CONSTRUCT A MONITORING PLATFORM USING A SUFFICIENT THICKNESS OF COMPACTED CRUSHED CONCRETE OR SIMILAR MATERIAL DESIGNED TO SAFELY ACCOMMODATE THE LOADS GENERATED BY THE PROPOSED PLANT AND MACHINERY.

6. **EXCAVATION IN MADE GROUND**  
THE SAFE BATTER ANGLES NOTED IN THE GEOTECHNICAL REPORT SHOULD NOT BE EXCEEDED. TEMPORARY SUPPORTS SHOULD BE PROVIDED FOR ANY OTHER EXCAVATION WITHIN MADE GROUND WHERE MAN ENTRY IS REQUIRED OR WHERE THE AVOIDANCE OF COLLAPSE IS IMPORTANT. PLANT SHOULD BE KEPT AWAY FROM EDGES OF ALL EXCAVATIONS.

7. **REINFORCEMENT**  
PROJECTING VERTICAL REINFORCEMENT IS TO BE CAPPED AND CORDONED OFF WHERE POSSIBLE.

THE ABOVE NOTES REFER SPECIFICALLY TO THE INFORMATION SHOWN ON THIS DRAWING.  
REFER TO THE HEALTH AND SAFETY PLAN FOR FURTHER INFORMATION.

**STRUCTURAL CONCRETE FRAMING SCHEDULE**

REF:	MEMBER	STRUCTURAL MATERIAL
B1	1000 x 850mm	CONCRETE C32/40
B2	750 x 800mm	CONCRETE C32/40
B3	1000 x 600mm	CONCRETE C32/40
B4	1500 x 850mm	CONCRETE C32/40
B5	250 x 400mm	CONCRETE C32/40
B6	250 x 450mm	CONCRETE C32/40
B7	250 x 600mm	CONCRETE C32/40
B16	550 x 600mm	CONCRETE C32/40

**STRUCTURAL CONCRETE COLUMN SCHEDULE**

REF:	MEMBER
C4	215 x 350mm
C6	215 x 450mm
C10	215 x 600mm
C11	215 x 800mm
C20	300 x 360mm
C21	300 x 450mm
C22	215 x 750mm

**STRUCTURAL CONCRETE WALL SCHEDULE**

REF:	WALL TYPE
W1	MLM Wall_240mmConcrete
W2	MLM Wall_215mmConcrete
W3	MLM Wall_200mmConcrete
W4	MLM Wall_300mmConcrete
W5	MLM Wall_250mmConcrete
W6	MLM Wall_175mmConcrete
W7	MLM Wall_350mmConcrete
W8	MLM Wall_275mmConcrete

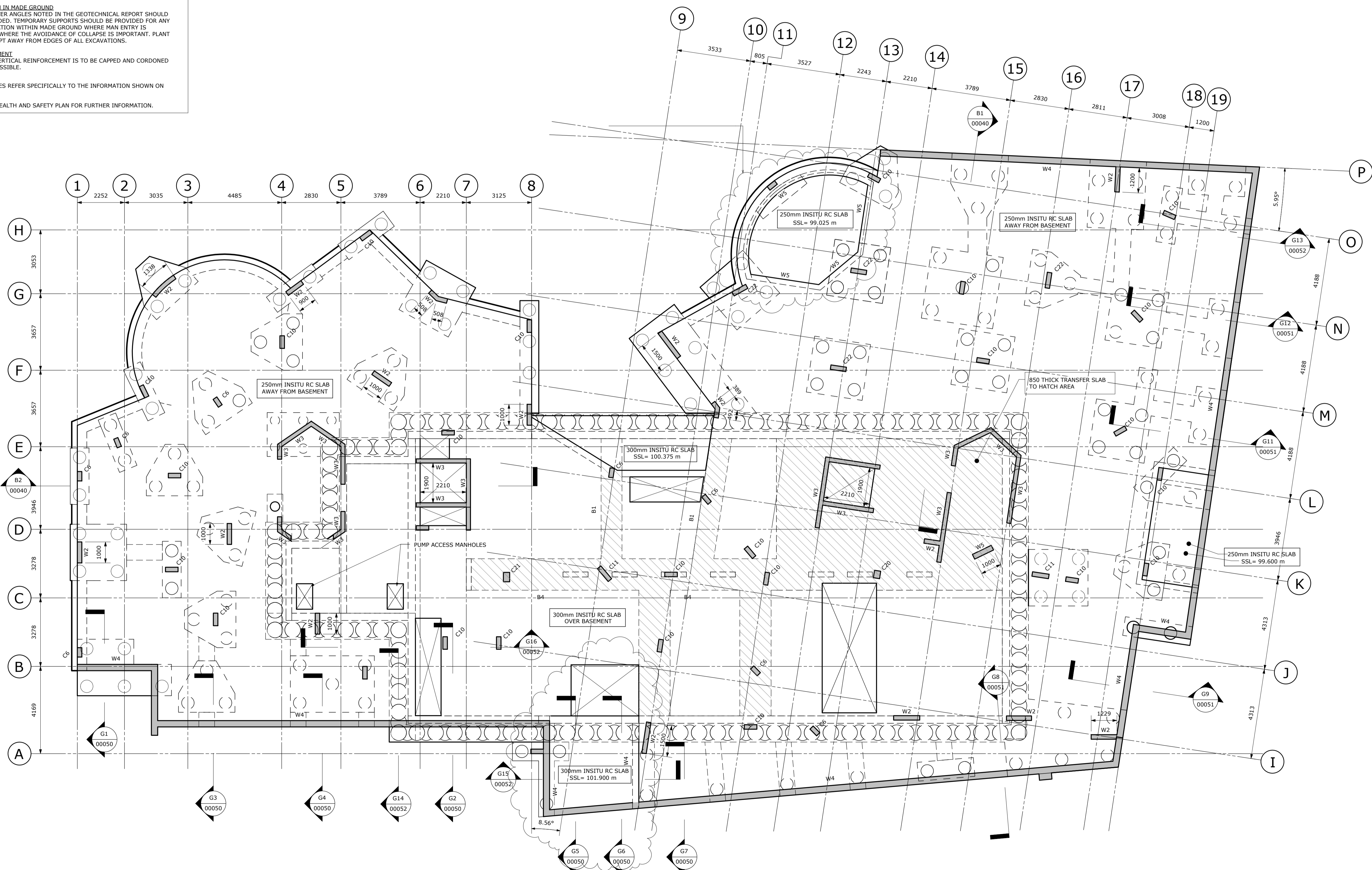
**1. GENERAL NOTES**

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, SERVICE ENGINEERS', SPECIALIST DRAWINGS AND THE SPECIFICATION. WHERE ANY DISCREPANCIES OR CONFLICTS OCCUR, ADVICE SHOULD BE SOUGHT FROM THE CONTRACT ADMINISTRATOR (CA) BEFORE COMMENCING WORK.
- REFER TO THE CDM DESIGNERS HAZARD INFORMATION BOX ON THIS DRAWING FOR PARTICULAR HEALTH AND SAFETY RISKS SPECIFIC TO THIS PROJECT.
- ALL DIMENSIONS ARE IN mm, ALL LEVELS ARE IN m.
- THIS DRAWING IS NOT TO BE SCALED FOR CONSTRUCTION PURPOSES. ONLY WRITTEN OR CALCULATED DIMENSIONS AND LEVELS ARE TO BE USED. REFER TO THE ARCHITECT'S DRAWINGS FOR GENERAL SETTING OUT INFORMATION UNLESS NOTED OTHERWISE.
- ANY DISCREPANCIES BETWEEN THE STRUCTURAL DRAWINGS AND THE ARCHITECT'S OR SERVICE ENGINEERS' DRAWINGS SHOULD BE IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CA.
- THE STRUCTURE IS DESIGNED FOR THE PERMANENT CONDITION AND ANY ADVISED LOADS FROM THE TEMPORARY WORKS DESIGNER. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING ITS TEMPORARY CONDITION AND THE TEMPORARY WORKS REQUIRED DURING CONSTRUCTION. ANY USE OF THE PERMANENT WORKS FOR TEMPORARY STABILITY IS TO BE AGREED WITH THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STABILITY OF ANY EXISTING STRUCTURES ON THE SITE AND ON ADJOINING SITES AND MUST TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD THIS STABILITY THROUGHOUT THE DURATION OF THE WORKS.

**4.0 CONCRETE**

- ALL SLAB THICKNESSES ARE NOTED ON THE DRAWING.
- ALL STAIR & LIFT CORE WALLS TO BE 200mm THICK UNLESS NOTED OTHERWISE.
- CONCRETE TO LOWER GROUND FLOOR SLAB, BASEMENT SLAB AND BASEMENT LINING WALLS RETAINING WALLS TO BE RC 32/40 IN ACCORDANCE WITH MLM SPECIFICATION E10.
- CONCRETE TO INTERNAL BASEMENT COLUMNS / WALLS UP TO UNDERSIDE GROUND FLOOR LEVEL TO BE C40/50 IN ACCORDANCE WITH MLM SPECIFICATION E10
- FOR FULL DETAILS OF SERVICE ENTRIES AND PUBLIC HEALTH PENETRATIONS REFER TO M&E DRAWINGS.
- REFER TO LIFT MANUFACTURER'S DRAWINGS FOR DETAILS OF CAST IN FIXINGS.
- ALLOWANCE IS TO BE MADE FOR SUPPLYING & FIXING THE FOLLOWING QUANTITIES OF REINFORCING STEEL:-  

GROUND FLOOR SLAB GENERALLY:	120Kg/m <sup>3</sup>
LOWER GROUND FLOOR SLAB GENERALLY:	160Kg/m <sup>3</sup>
AREAS OF THICKENED TRANSFER SLABS OR BEAMS:	180Kg/m <sup>3</sup>
BASEMENT SLAB:	160Kg/m <sup>3</sup>
CAPPING BEAM:	200Kg/m <sup>3</sup>
RETAINING WALLS AND BASEMENT LINING WALLS:	160Kg/m <sup>3</sup>
INTERNAL WALLS:	110Kg/m <sup>3</sup>
COLUMNS:	200Kg/m <sup>3</sup>
PILE CAPS:	150Kg/m <sup>3</sup>
- ALLOW FOR ADDITIONAL ANCON OR SIMILAR PROPRIETARY PUNCHING SHEAR RAILS WITHIN SLABS AT 60% OF COLUMN POSITIONS.
- IN ADDITION TO THE SERVICE RISER HOLES ALREADY SHOWN ON THE DRAWING, ALLOW FOR FORMING 250x250mm SQUARE HOLES THROUGH THE SLAB AT A RATE OF 1 HOLE PER 10 SQUARE METRES OF SLAB.
- ALL STAIRS ARE TO COMPRISE INSITU RC LANDINGS AND FLIGHTS.
- MAKING GOOD OF SECTANT WALL AND CAPPING BEAM PENETRATIONS ANNULUS BETWEEN SLEEVE AND SERVICE TO BE FILLED USING FOSROC CONBEXTRA HF OR EQUIVALENT NON-SHINK GROUT. SELF ADHESIVE HYDROPHILIC STRIPS TO BE APPLIED TO SERVICE PIPE AND INSIDE OF SLEEVE. EXTERNAL FACE OF PENETRATION TO BE DRESSED USING 2 COATS OF FOSROC PROFIFLEX OR EQUIVALENT. REFER TO TYPICAL DETAILS ON DRAWING No. FZJ-MLM-XX-DR-ST-XXXX.



Rev	Date	Description	Made	Checked
P4	18/03/2016	BASEMENT LAYOUT REVISED	KJW	GDW
P3	11/03/2016	LEVELS CHANGED TO ADD CONTIGUOUS PILES CHANGED TO SECTANT COLUMNS IN WELLNESS AREA REVISED. STORAGE TANKS UNDER INDICATED. BASEMENT SIZE UNDER REVISED. PILING REVISED. OTHER REVISIONS AS CLOUDED	KJW	GDW
P2	22/01/2016	SITE LAYOUT INDICATED	KJW	GDW
P1	19/01/2016	WORK IN PROGRESS	KJW	GDW

Drawing Status

## STAGE E

**Multidisciplinary Consulting**

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Website: www.mlm.uk.com

Client  
**PEGASUS LIFE**

Project  
**79 FITZJOHNS AVENUE, HAMPSTEAD**

Drawing Title  
**LOWER GROUND FLOOR GENERAL ARRANGEMENT**

Drawn/Design	KJW/ETN	Date	NOV 2015	Scales	As indicated @ A1
Checked	ETN	Approved	GDW	MLM Ref	581197
Drawn No.	FZJ-MLM-XX-LG-DR-ST-00030				Rev
					<b>P4</b>

# PHASE 1 - INSTALL SHEET PILING AND KING POSTS

**EXTENT OF SHEET PILING TO BE AGREED!!!**

Pile Walls									
Section	Wall Type	Auger Diameter (mm)	Proposed Steel Sect	Toe Level (mOD)	Top of Section (mOD)	Prop Level (mOD)	Prop Load - SLS (kN/m)	Max Prop Load - ULS (kN/m)	Max. Deflection (mm)
3	Sheet Piles	n/a	PU18-1	98	105.2	103	125.49	169.4	4
4	Sheet Piles	n/a	PU18-1	97.4	106.2	103	175.26	236.6	13
6	SecPW	600		90	100.5	98.5	86.39	128.75	9
7	SecPW	600		91	104	102.5	200.31	270.42	11
9	ShPW	N/A	PU12	96	102.2	101.7	15.9	21.47	2
10	ShPW	n/a	PU12	98	102.5	N/A	N/A	N/A	11

King Post Walls									
Section	Wall Type	Auger Diameter (mm)	Steel Section	Toe Level (mOD)	Top of Section (mOD)	Prop Level (mOD)	Prop Load - SLS (kN/m)	Max Prop Load - ULS (kN/m)	Max. Deflection (mm)
1	King post at 2.5m spacing	600	254x254x107	96.5	104.4	103	133.52	180.25	6
2	King post at 2.5m spacing	600	254x254x107	96.5	104.4	103	133.52	180.25	6
5	Jacked King Post at 2.5m	600	305X305X283	96	105.5	104.7	49.67	67.05	4
8	King post at 2.5m spacing	600	305X305X283	98	104	103	33.55	45.23	13

## GENERAL NOTES

- Existing building outlines are approximate for guidance only.
- For grid line setting out refer to arch's & S.E.'s Drgs.
- Approximate slab levels are based on existing topo surveys where available or interpretation of existing record drgs - For guidance only.
- All levels in M.O.D to be checked on site.
- For Stage 2 - Basement Propping see CGL Drg TW-00 and TW-01.
- For construction sequencing see CGL drg TW-10 to TW-18.
- All sheet piles are to be installed using a silent pile press.
- Location of reaction stands and localised temporary works needed to be confirmed by specialist sub-contractor.

Sheet piling line to be confirmed

### KEY

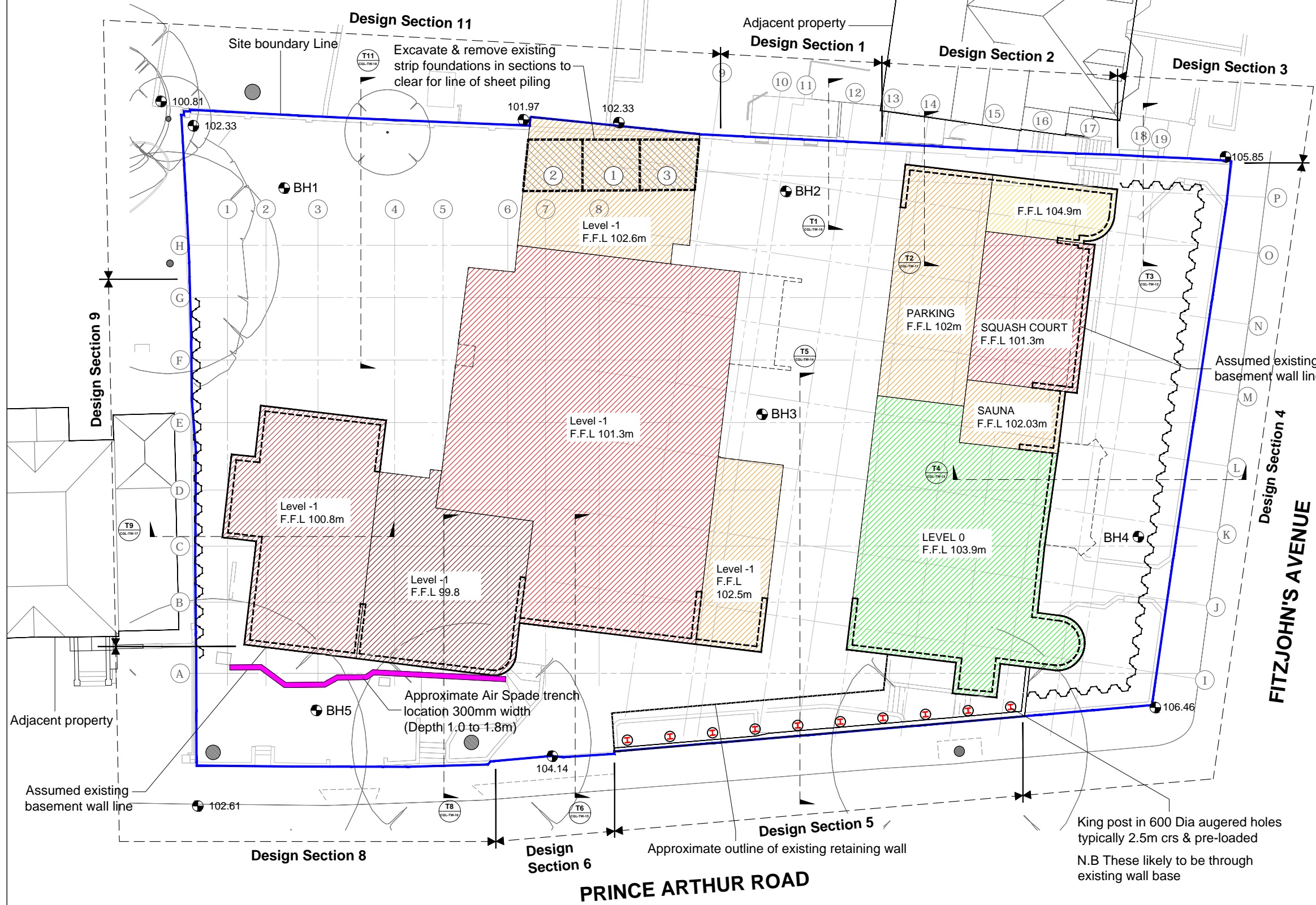
- Ground level
- Temporary ground 'hold' level
- Kingpost installed in 600mm dia hole drilled by 360° excavator
- Hit and miss sequencing number
- Stage 1 props (Contractor to confirm sizes)
- Remnant of existing structure retained
- Temporary batter
- Site boundary
- Warning indicates a residual risk to be vigilant

Rev	Date	Comments
P4	21/03/2016	Air Spade trench added, minor revisions to table & notes.
P3	12/02/2016	Minor revisions to table
P2	02/02/2016	Minor revisions
P1	28/01/2016	For comments

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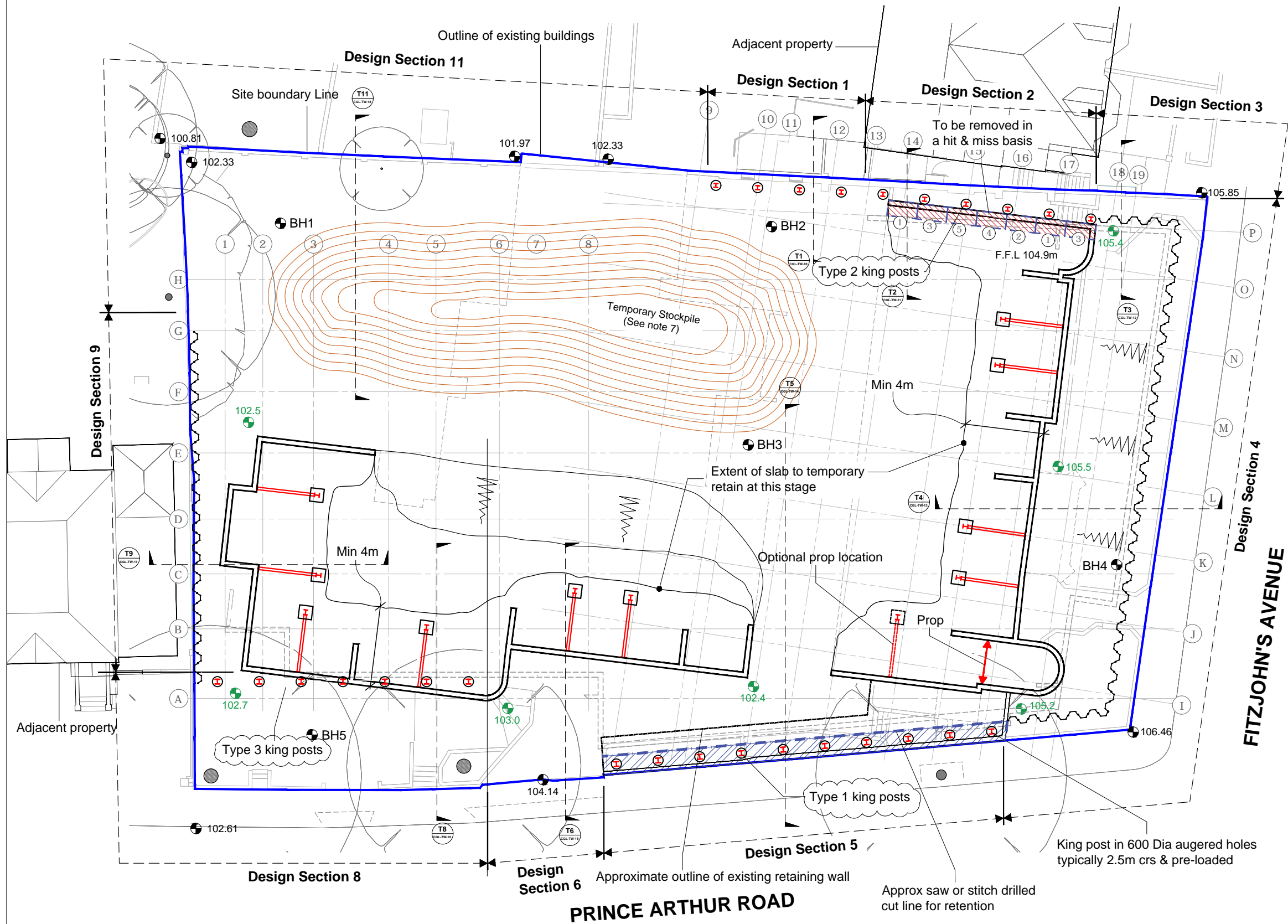
Project	<b>79 Fitzjohn's Avenue</b>		
Client	<b>Pegasus Life</b>		
Drawing title	<b>Demolition Plan Below Ground</b>		
Scale(s)	<b>1:250</b>	Job No.	<b>CGL/09008</b>
Drawn	OS 26/01/16	Dwg No.	<b>CGL-EW-02</b>
Checked			<b>P4</b>
Approved			

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King post in 600 Dia augered holes typically 2.5m crs & pre-loaded  
 N.B These likely to be through existing wall base

# PHASE 2 - EXCAVATE AND INSTALL STAGE 1 PROPS



## GENERAL NOTES

- Existing building outlines are approximate for guidance only.
- For grid line setting out refer to arch's & S.E.'s Drgs.
- Approximate slab levels are based on existing topo surveys where available or interpretation of existing record drgs - For guidance only.
- All levels in M.O.D to be checked on site.
- For Stage 2 - Basement Propping see CGL Drg TW-00 and TW-01.
- For construction sequencing see CGL drg TW-10 to TW-18.
- Suggested location of fill/arrisings stockpile for re-use as pile arrissing & temporary land raise .
- Contractor to ensure existing foundations & structure are stable in the temporary condition.

## KEY

- Ground level
- Temporary ground 'hold' level
- Kingpost installed in 600mm dia hole drilled by 360° excavator
- Hit and miss sequencing number
- Stage 1 props (Contractor to confirm sizes)
- Remnant of existing structure retained
- Temporary batter
- Site boundary
- Warning indicates a residual risk to be vigilant

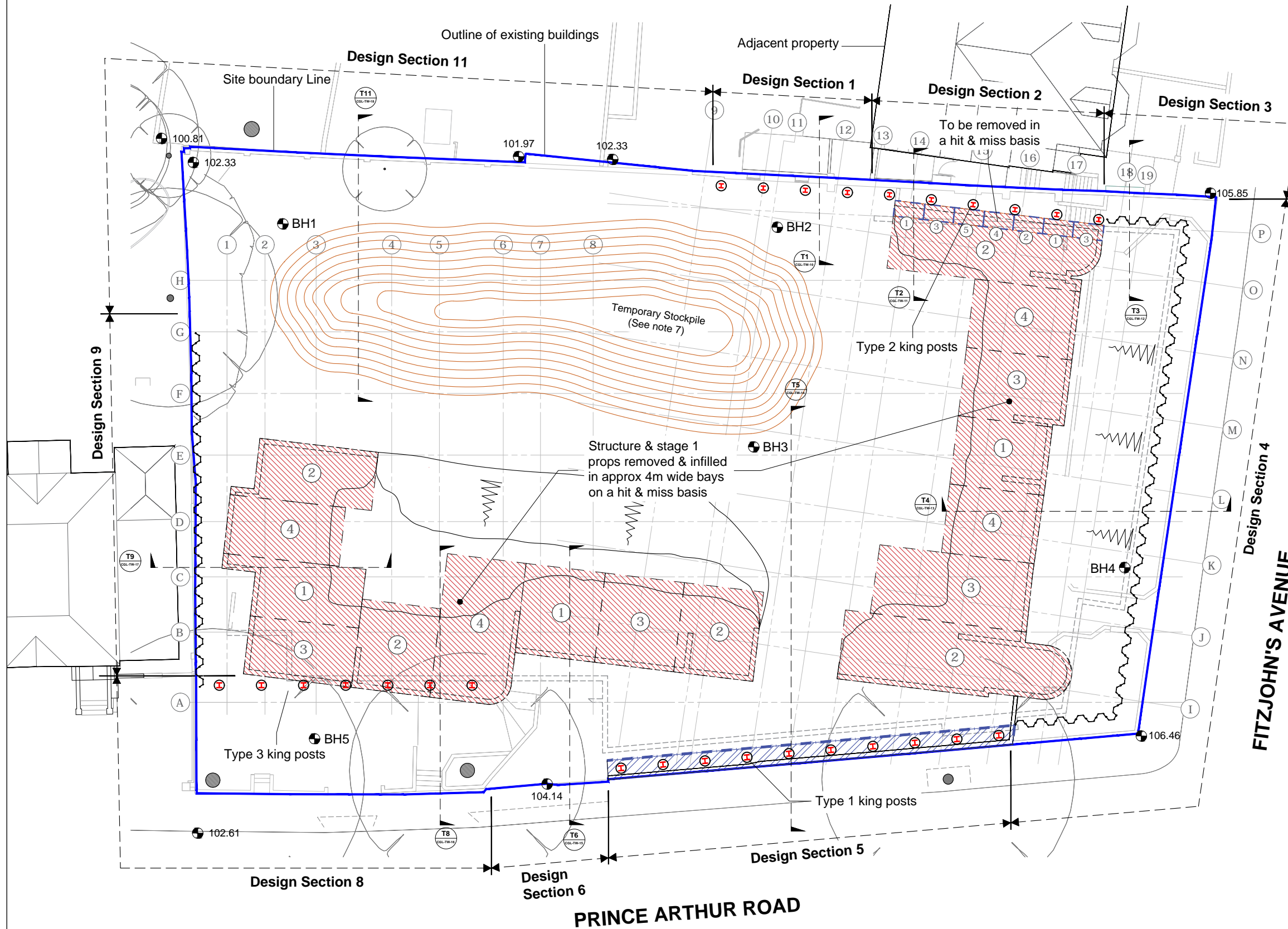
Rev	Date	Comments
P4	21/03/2016	Notes updated. Section 8 KP wall moved to suit latest basement layout.
P3	12/02/2016	King post locations updated
P2	02/02/2016	Re-titled & minor revisions
P1	28/01/2016	For comments

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Project	<b>79 Fitzjohn's Avenue</b>		
Client	<b>Pegasus Life</b>		
Drawing title	<b>Stage 1 Propping</b>		
Scale(s)	<b>1:250</b>	Job No.	<b>CGL/09008</b>
Drawn	OS 26/01/16	Dwg No.	<b>CGL-EW-03</b>
Checked			<b>P4</b>
Approved			

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# PHASE 3 - REMOVE REMAINING EXISTING BASEMENTS & REPLACE WITH FILL



## GENERAL NOTES

- Existing building outlines are approximate for guidance only.
- For grid line setting out refer to arch's & S.E.'s Drgs.
- Approximate slab levels are based on existing topo surveys where available or interpretation of existing record drgs - For guidance only.
- All levels in M.O.D to be checked on site.
- For Stage 2 - Basement Propping see CGL Drg TW-00 and TW-01.
- For construction sequencing see CGL drg TW-10 to TW-18.
- Suggested location of fill/arrisings stockpile for re-use as pile arrising & temporary land raise .

## KEY

- Ground level
- Temporary ground 'hold' level
- Kingpost installed in 600mm dia hole drilled by 360° excavator
- Hit and miss sequencing number
- Stage 1 props (Contractor to confirm sizes)
- Remnant of existing structure retained
- Temporary batter
- Site boundary
- Warning indicates a residual risk to be vigilant

P4	21/03/2016	Notes updated. Section 8 KP wall moved to suit latest basement layout.
P3	12/02/2016	King post locations updated
P2	02/02/2016	Re-titled & minor revisions
P1	28/01/2016	For comments
Rev	Date	Comments

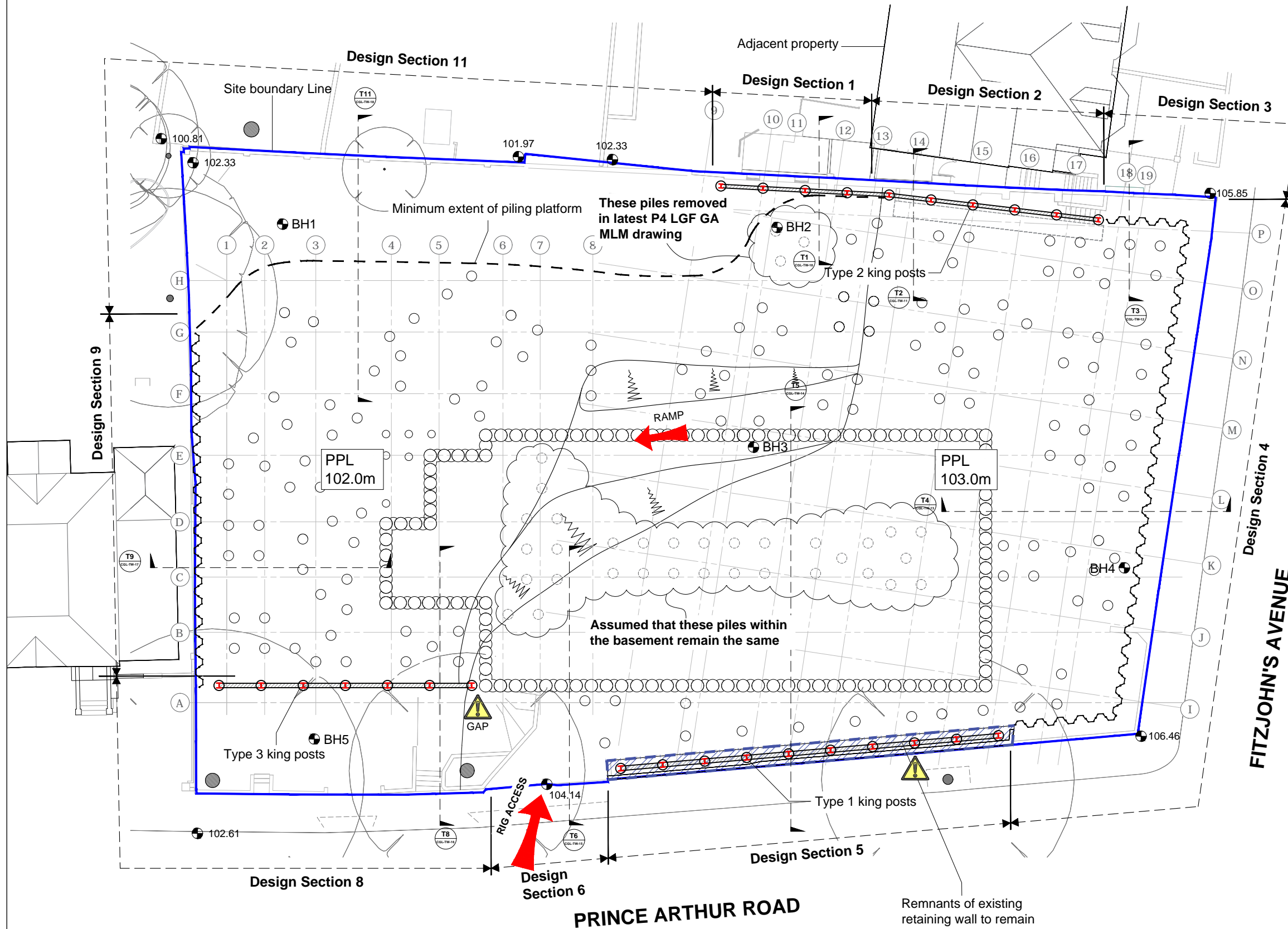
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Project	<b>79 Fitzjohn's Avenue</b>		
Client	<b>Pegasus Life</b>		
Drawing title	<b>Basement In-filling Sequence</b>		
Scale(s)	<b>1:250</b>	Job No.	<b>CGL/09008</b>
Drawn	OS 26/01/16	Dwg No.	<b>CGL-EW-04</b>
Checked			<b>P4</b>
Approved			

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# PHASE 4 - PREPARE PILING PLATFORM

**NOTE: PILE PLATFORM TRANSITION TO BE CONFIRMED BY CONTRACTOR**



## GENERAL NOTES

- Existing building outlines are approximate for guidance only.
- For grid line setting out refer to arch's & S.E.'s Drgs.
- Approximate slab levels are based on existing topo surveys where available or interpretation of existing record drgs - For guidance only.
- All levels in M.O.D to be checked on site.
- For Stage 2 - Basement Propping see CGL Drg TW-00 and TW-01.
- For construction sequencing see CGL drg TW-10 to TW-18.
- Piling platform design by contractor to incorporate Tensor Triax 160 geo grid or EA.

## KEY

- Ground level
- Temporary ground 'hold' level
- Kingpost installed in 600mm dia hole drilled by 360° excavator
- Hit and miss sequencing number
- Stage 1 props (Contractor to confirm sizes)
- Remnant of existing structure retained
- Temporary batter
- Site boundary
- Warning indicates a residual risk to be vigilant

P4	21/03/2016	Pile setting out updated as per MLM drg ...ST-00030 P4 Notes updated. Section 8 KP wall moved to suit above
P3	12/02/2016	King post wall locations updated
P2	02/02/2016	Minor revisions
P1	28/01/2016	For comments
Rev	Date	Comments

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Project	<b>79 Fitzjohn's Avenue</b>		
Client	<b>Pegasus Life</b>		
Drawing title	<b>Piling Platforms</b>		
Scale(s)	<b>1:250</b>	Job No.	<b>CGL/09008</b>
Drawn	OS 26/01/16	Dwg No.	<b>CGL-EW-05</b>
Checked			<b>P4</b>
Approved			

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**WALLING ID & FORCES**

Waller Ref	Section	Waller Section	Waller Load SLS (kN/m)	Waller Load ULS (kN/m)	Max SLS Shear (kN)	Max SLS Moment (kN)	Max ULS Shear (kN)	Max ULS Moment (kN)
W1	1-3	610x305 UKB179	135	182.5	515	-710	695	-960
W2	4	533x312 UKB182	180	243	560	-595	755	-800
W3	5-6	533x312 UKB182	50	67.5	175	-210	275	-370
W3	9	305x165 UKB54	20	27	-75	-85	-100	-130

**PROP ID & FORCES**

Prop Ref	Prop Section	SLS Prop Force (kN)	ULS Prop Force (kN)
P7	305x305 UKC97	510	710
P9	356x368 UKC153	700	990
P10	533x312 UKB182	1240	1670
P15	356x368 UKC153	985	1370
P16	203x203 UKC46	50	65
P17	203x203 UKC46	400	540
P18	203x203 UKC46	500	680
P27	305x305 UKC97	365	495
P28	305x305 UKC97	300	400
P13	203x203 UKC46	45	60
P22	203x203 UKC46	105	140
P23	203x203 UKC46	150	200
P24	203x203 UKC46	120	160
P19	356x368 UKC153	900	1215
P20	TBC	TBC	TBC
P21	TBC	TBC	TBC
P29	203x203 UKC46	110	150
P30	305x305 UKC97	575	800
P31	914x305 UKC201	TBC	TBC
P32	TBC	TBC	TBC

**GENERAL NOTES**

- Existing building outlines are approximate for guidance only.

**KEY**

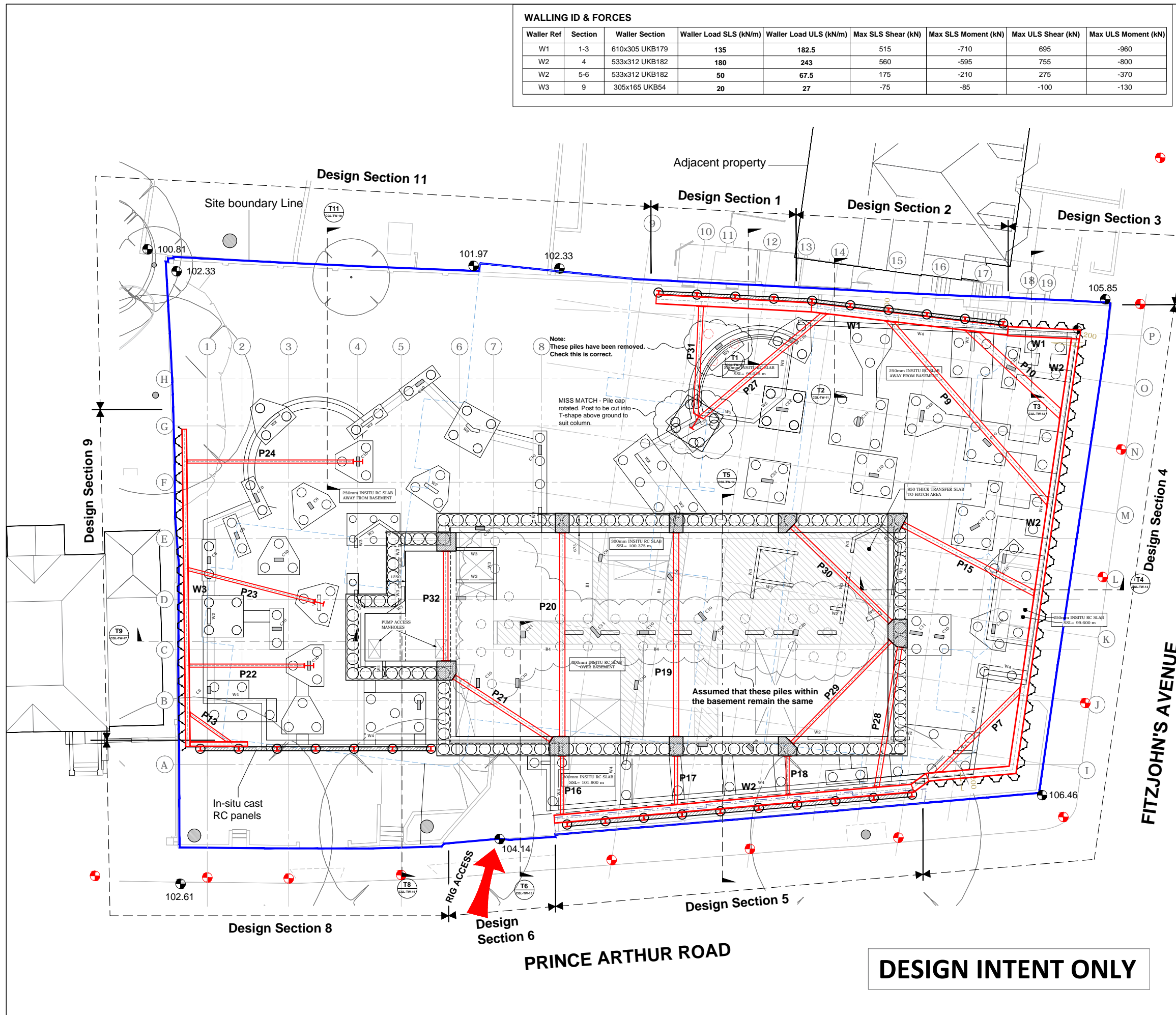
- Precise Level
- Ground level
- Kingpost installed in 600mm dia hole drilled by 360° excavator
- Props
- Walling
- Remnant of existing structure retained
- ~ Temporary batter
- Site boundary
- Existing building
- Temp corbel to be removed after props are removed

Rev	Date	Comments
P2	22/03/16	Piling/substructure updated. P32 added, P20 moved, corbels updated to suit new width capping beam. Design section 8 KP wall moved to suit 750 dia piles.
P1	26/02/16	First issue

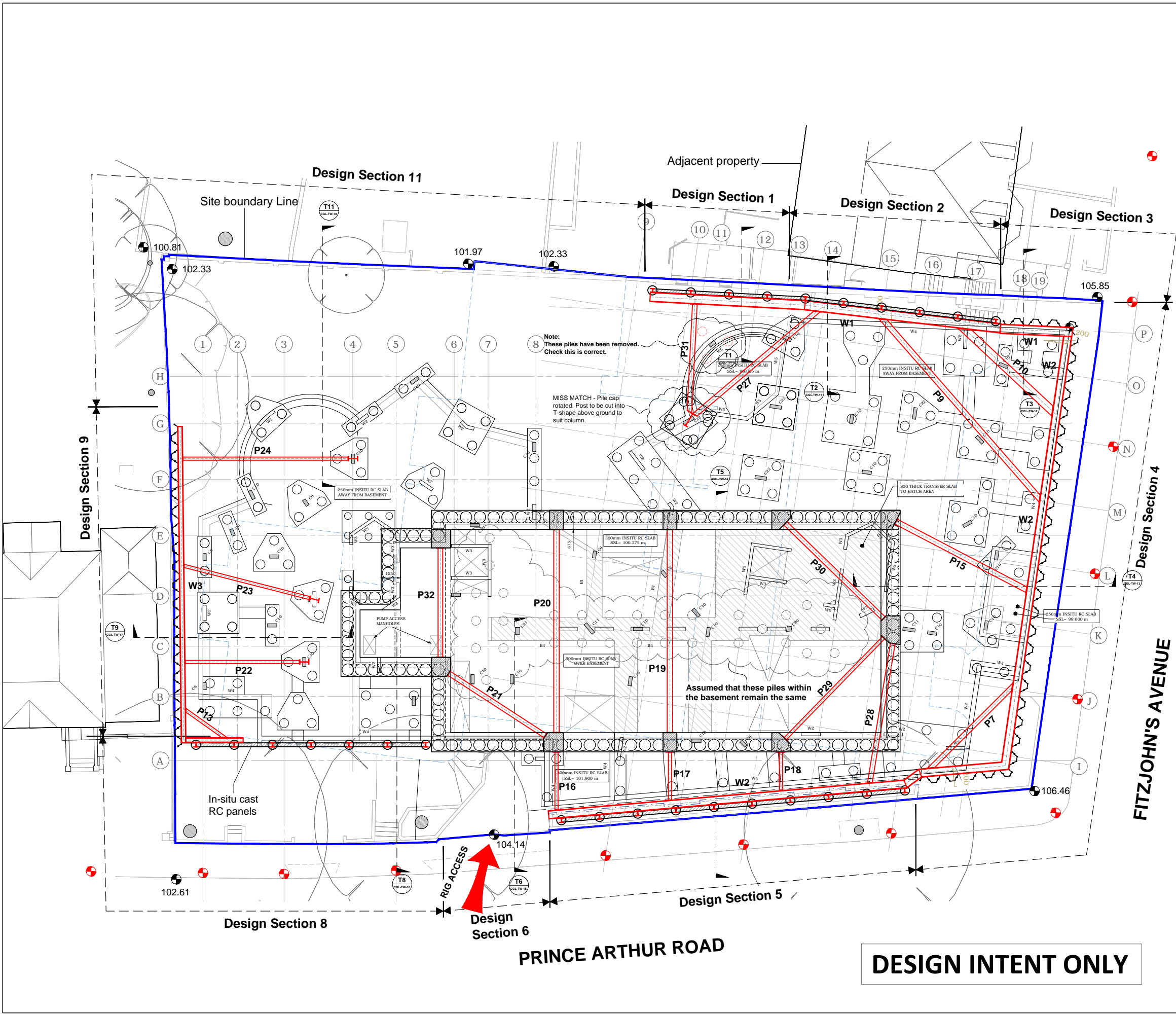
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Project	<b>79 Fitzjohn's Avenue</b>		
Client	<b>Pegasus Life</b>		
Drawing title	<b>Prop ID &amp; Walling Forces</b>		
Scale(s)	<b>1:250</b>	Job No.	<b>CGL/09008</b>
Drawn	OS 22/02/16	Dwg No.	<b>CGL-TW-00</b>
Checked		Rev.	<b>P2</b>
Approved			

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**DESIGN INTENT ONLY**



**GENERAL NOTES**

- Existing building outlines are approximate for guidance only.
- Primary TW design only - It is expected that this specialist ground worker will develop all connection details & working / fabrication series drawings.

**KEY**

- Precise Level
- Ground level
- Kingpost installed in 600mm dia hole drilled by 360° excavator
- Props
- Waling
- Remnant of existing structure retained
- Temporary batter
- Site boundary
- Existing building
- Temp corbel to be removed after props are removed

Rev	Date	Comments
P3	22/03/16	Piling/substructure updated. P32 added, P20 moved, corbels updated to suit new width capping beam. Design section 8 KP wall moved to suit 750 dia piles.
P2	26/02/16	Prop 31 & prop nrs added + general notes
P1	12/02/16	First issue

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Project **79 Fitzjohn's Avenue**

Client **Pegasus Life**

Drawing title **Temporary Works Master Plan**

Scale(s) **1:250** Job No. **CGL/09008**

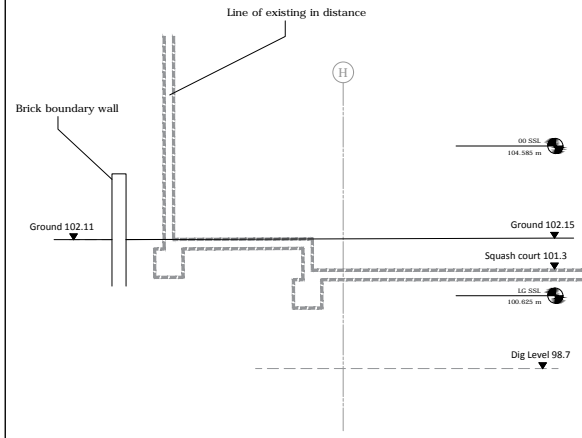
Drawn	OS	02/02/16	Dwg No.	<b>CGL-TW-01</b>	<b>P3</b>
Checked					
Approved					

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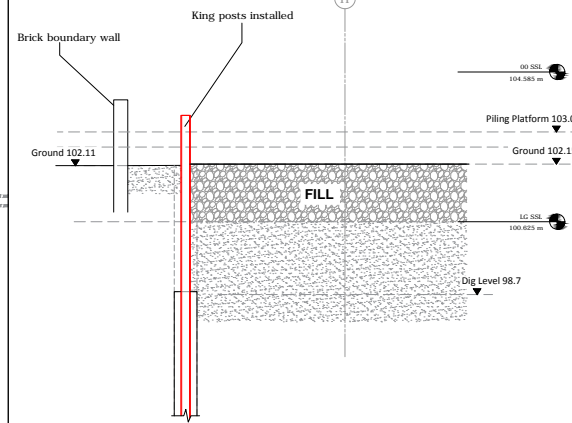
**DESIGN INTENT ONLY**



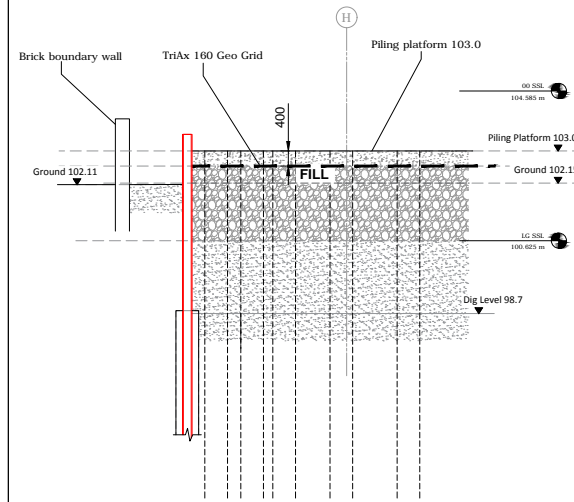
**Stage 1 - Phase 1 Enabling  
(Post above ground demo)**



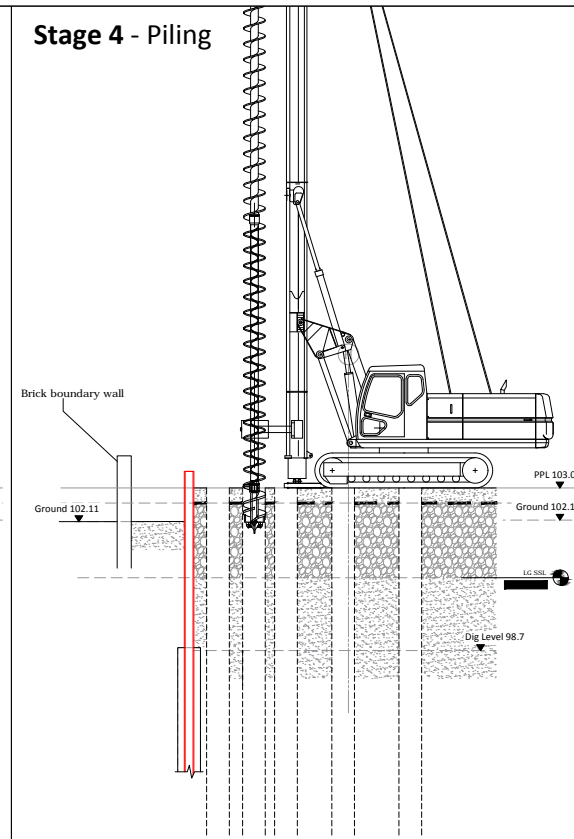
**Stage 2 - Install King Posts**



**Stage 3 - Prepare Piling Platform**



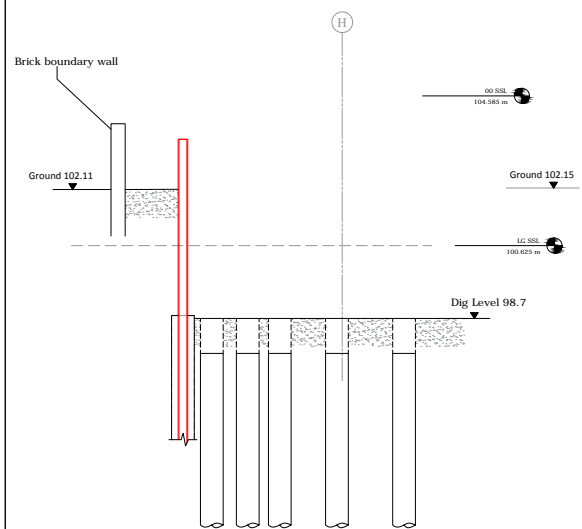
**Stage 4 - Piling**



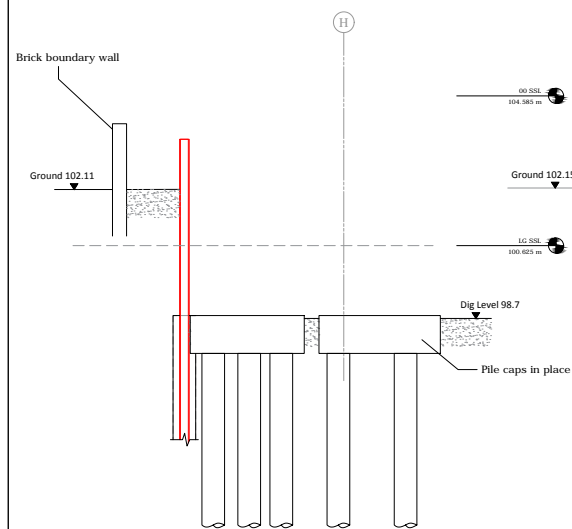
**GENERAL NOTES**

1. See CGL Drawing nr. EW-01 to 06 for location of section.

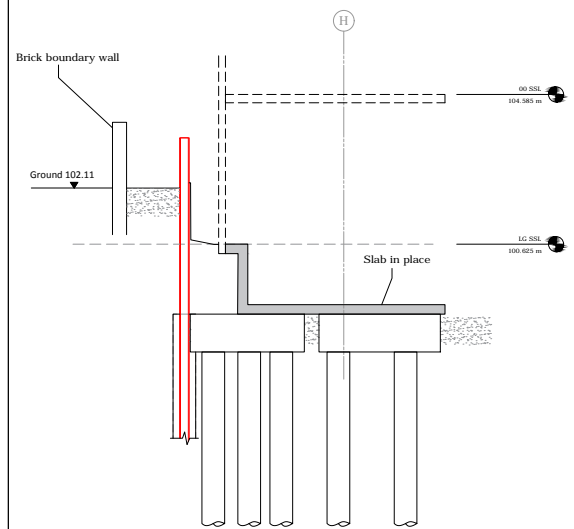
**Stage 5 - Bulk Dig**



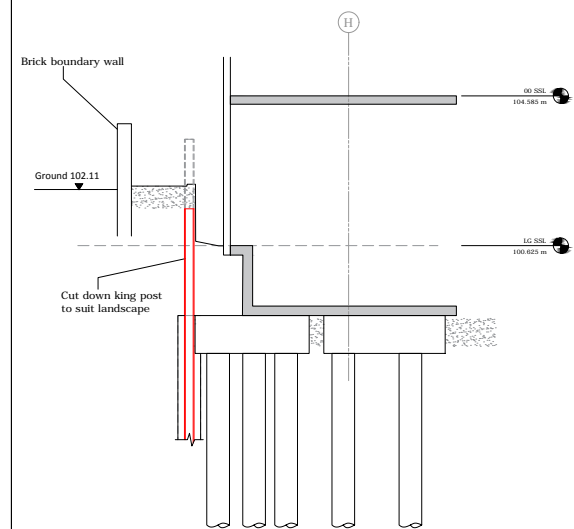
**Stage 6 - Construct Pile Caps & Blinding**



**Stage 7 - Construct Slab & Upstand**



**Stage 8 - Basement Complete**



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Project **79 Fitzjohn's Avenue**

Client **Pegasus Life**

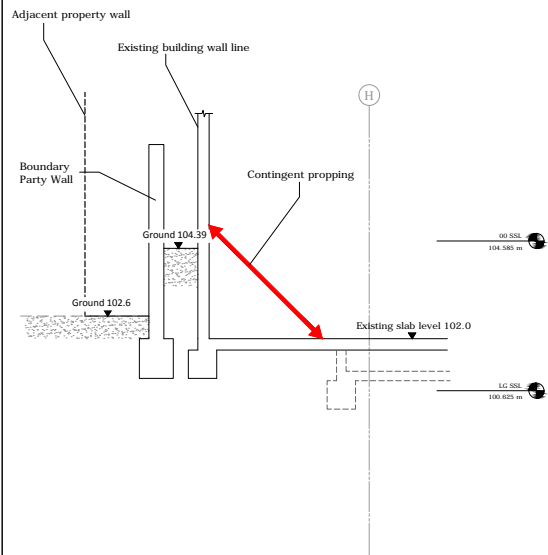
Drawing title **Construction Sequence at T1 - T1**

Scale(s) **1:200** Job No. **CGL/09008**

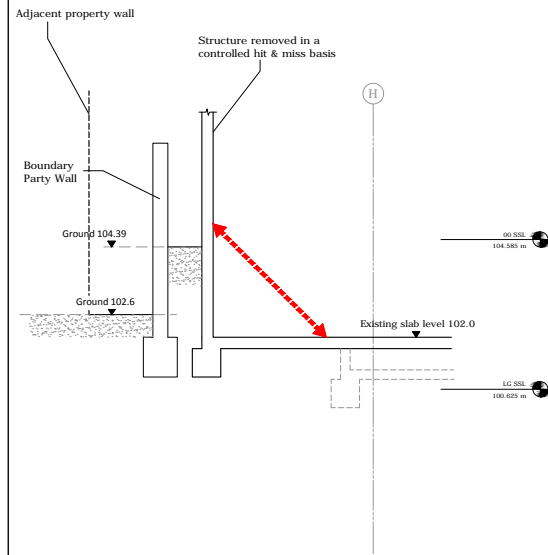
Drawn	OS	05/02/16	Dwg No.	<b>CGL-TW-10</b>	Rev. <b>P1</b>
Checked					
Approved					

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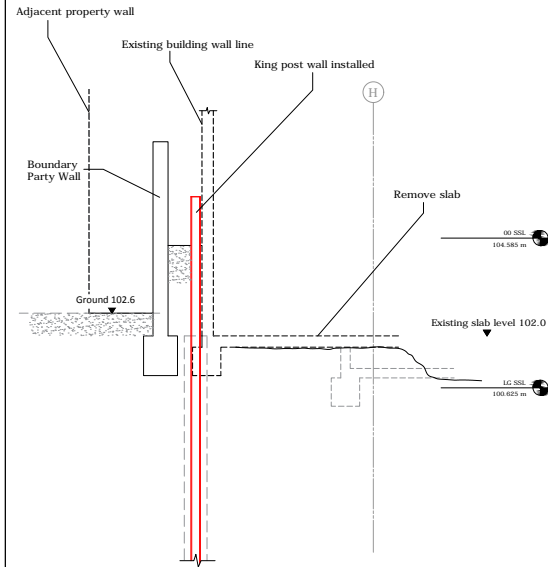
**Stage 1 - Stage 1 Propping & Demolition**



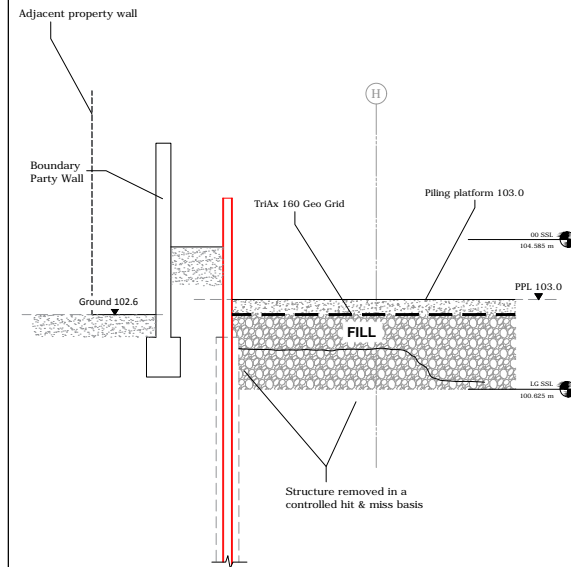
**Stage 2 - Existing Structure Removed in 1.5m Width Sections Hit & Miss Basis**



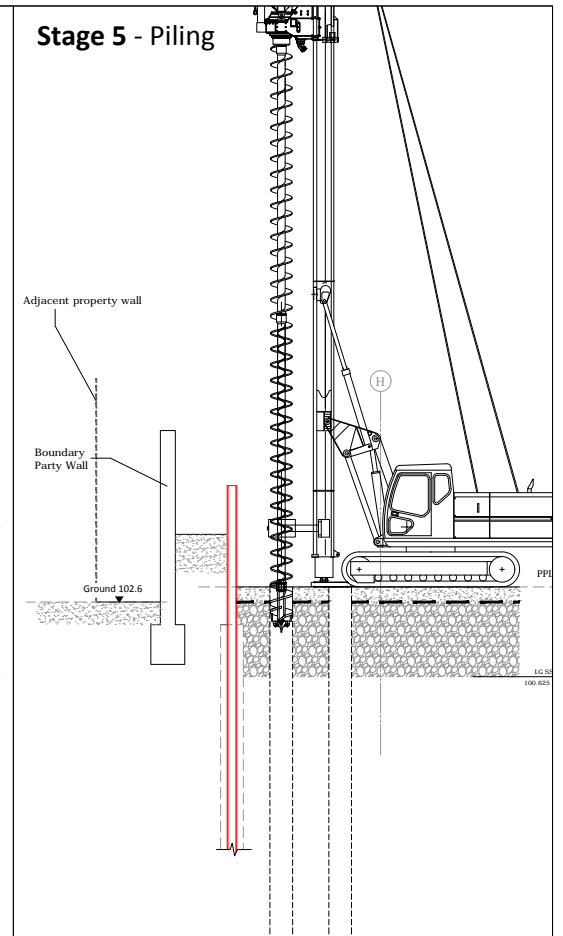
**Stage 3 - Install King Posts**



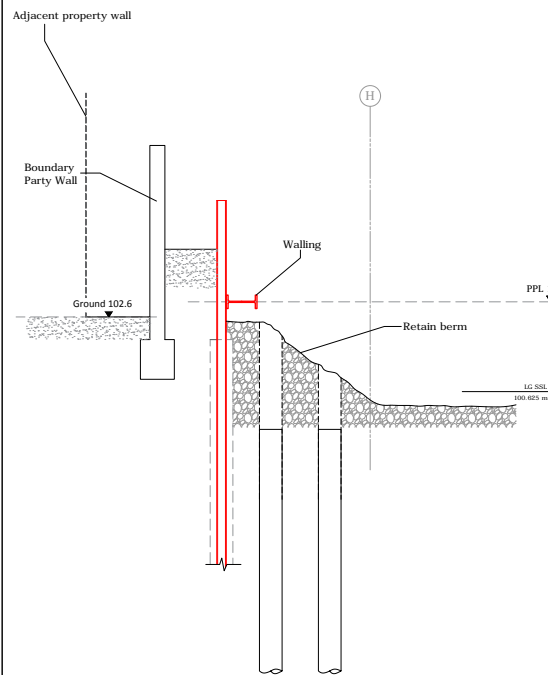
**Stage 4 - Prepare Piling Platform**



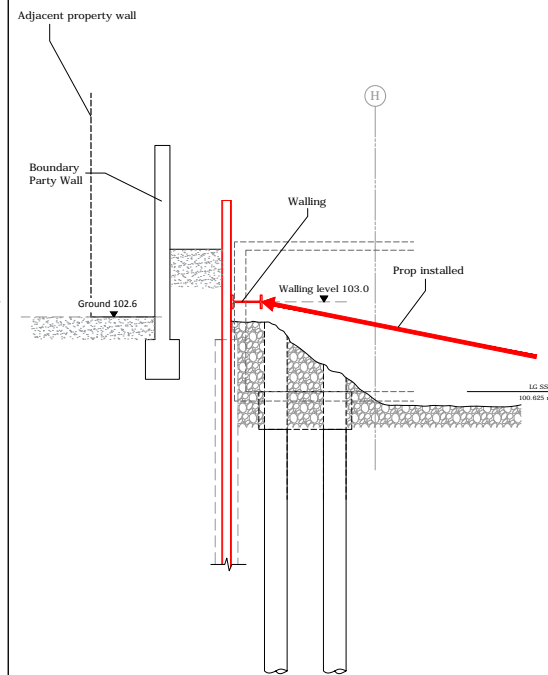
**Stage 5 - Piling**



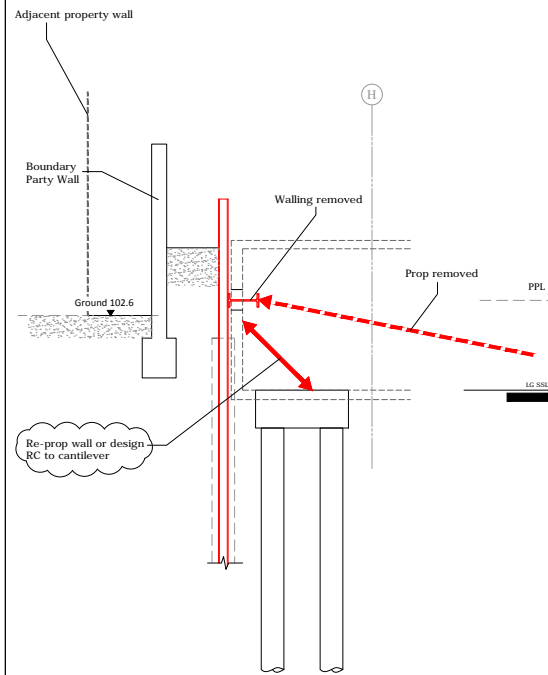
**Stage 6 - Install Walling**



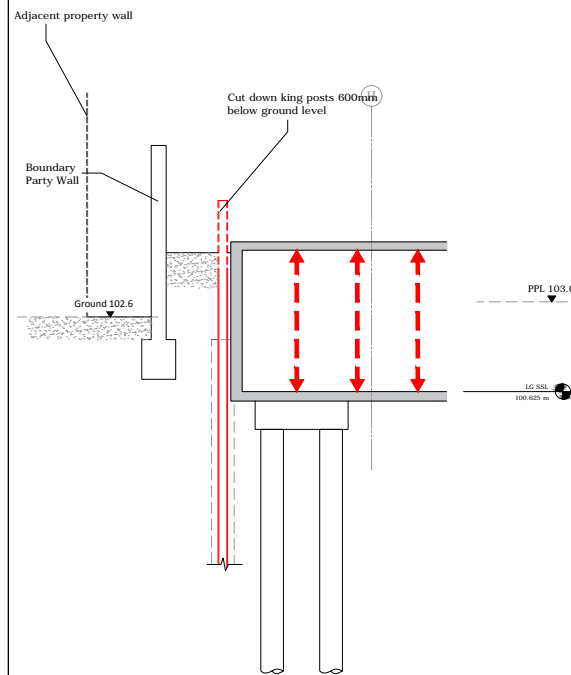
**Stage 7 - Install Pops**



**Stage 8 - Construct Caps & Slab**




**Stage 9 - Complete Ground Floor Slab**



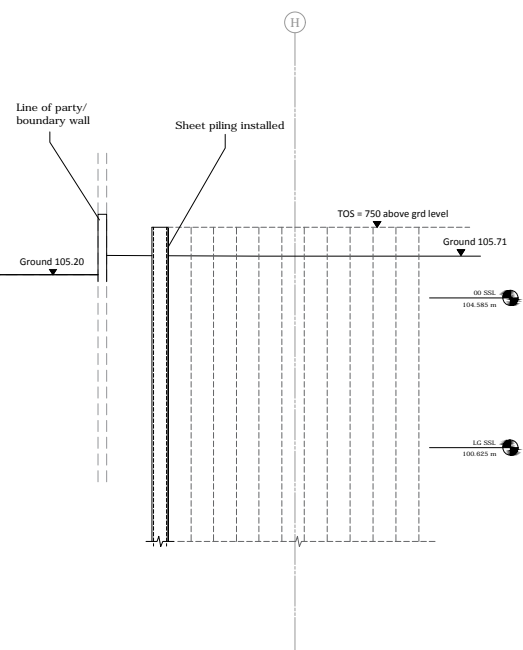
**GENERAL NOTES**

1. See CGL Drawing nr. EW-01 to 06 for location of section.

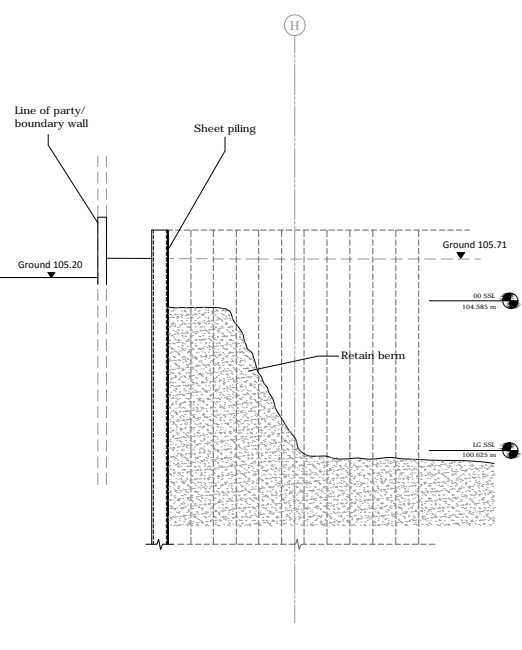
P1	12/02/16	First issue.
Rev	Date	Comments
		
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Project	<b>79 Fitzjohn's Avenue</b>	
Client	<b>Pegasus Life</b>	
Drawing title	<b>Construction Sequence at T2-T2</b>	
Scale(s)	1:200	Job No. CGL/09008
Drawn	OS 05/02/16	Dwg No. CGL-TW-11
Checked		
Approved		
		<b>P1</b>

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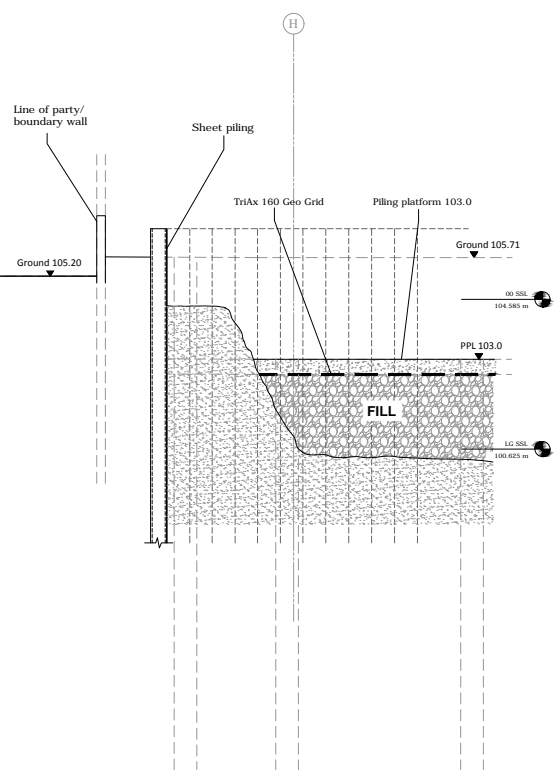
**Stage 1 - Install Sheet Piling**



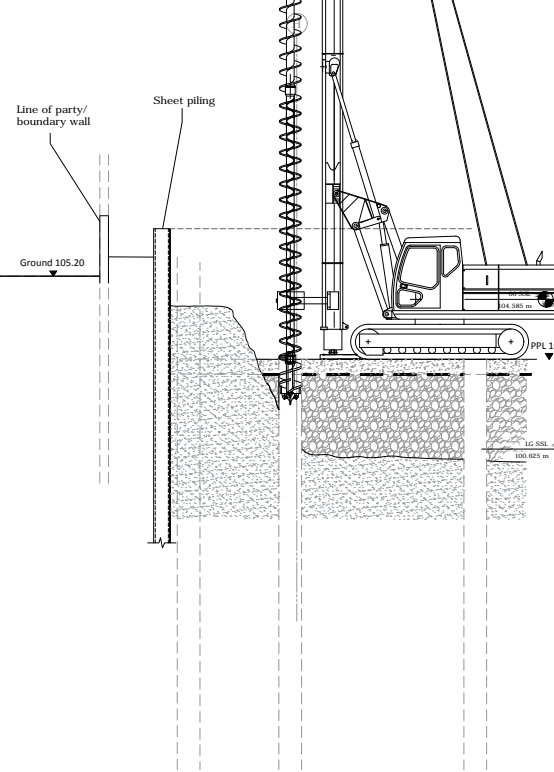
**Stage 2 - Remove Existing Structure In Controlled Sections**



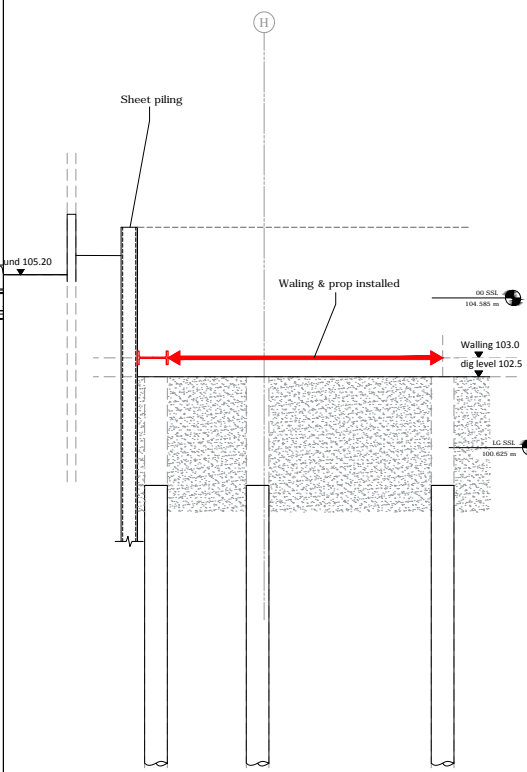
**Stage 3 - Prepare Piling Platform**



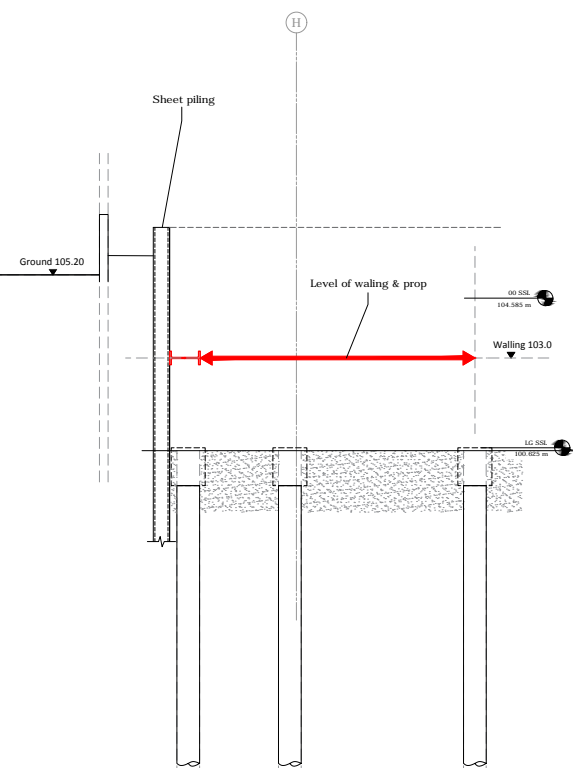
**Stage 4 - Piling Commences**



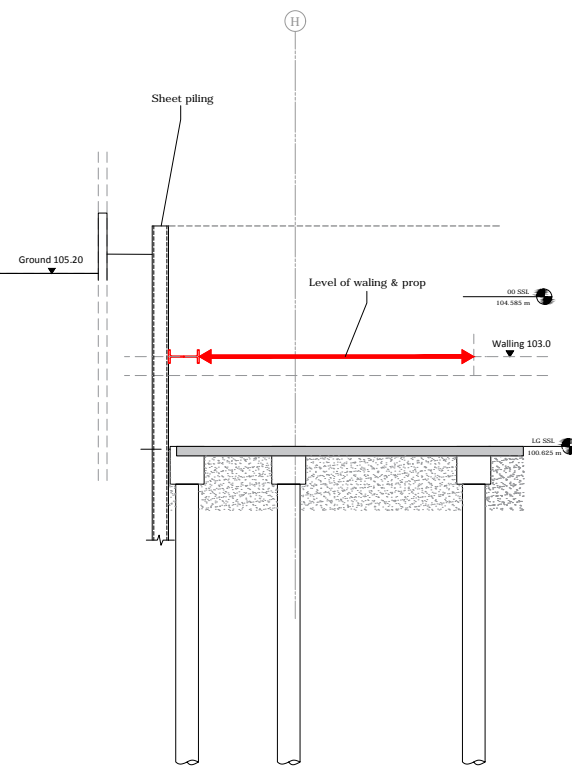
**Stage 5 - Dig To & Install Walling & Props**



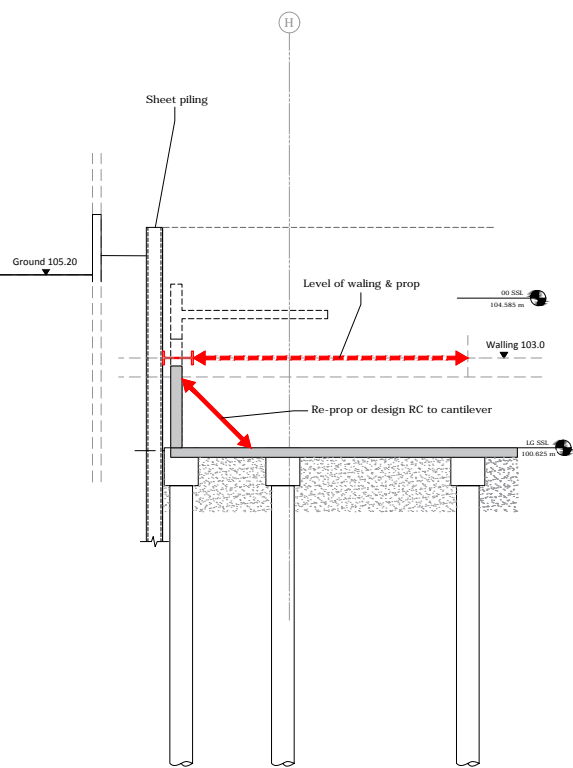
**Stage 6 - Bulk Dig**



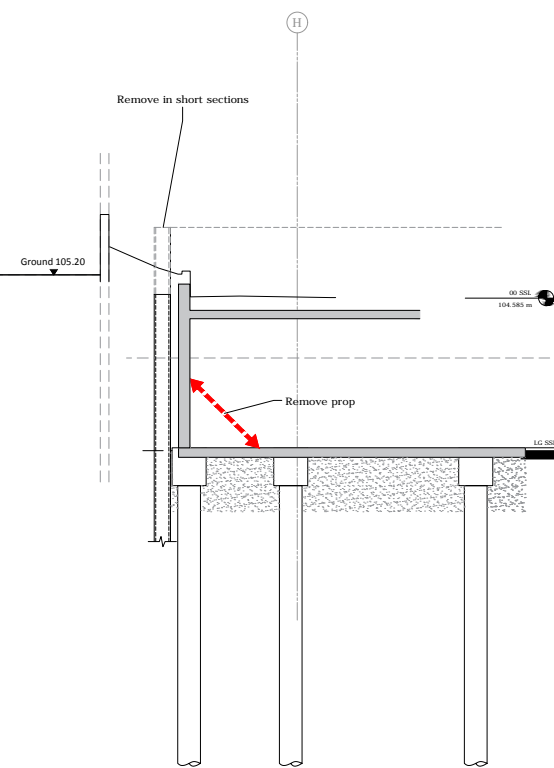
**Stage 7 - Construct Cap & Lower Ground Floor Slab**



**Stage 8 - Part Construct Retaining Wall & Re-prop**



**Stage 9 - Construct Ground floor (Remove temp prop)**



**GENERAL NOTES**

1. See CGL Drawing nr. EW-01 to 06 for location of section.

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Project **79 Fitzjohn's Avenue**

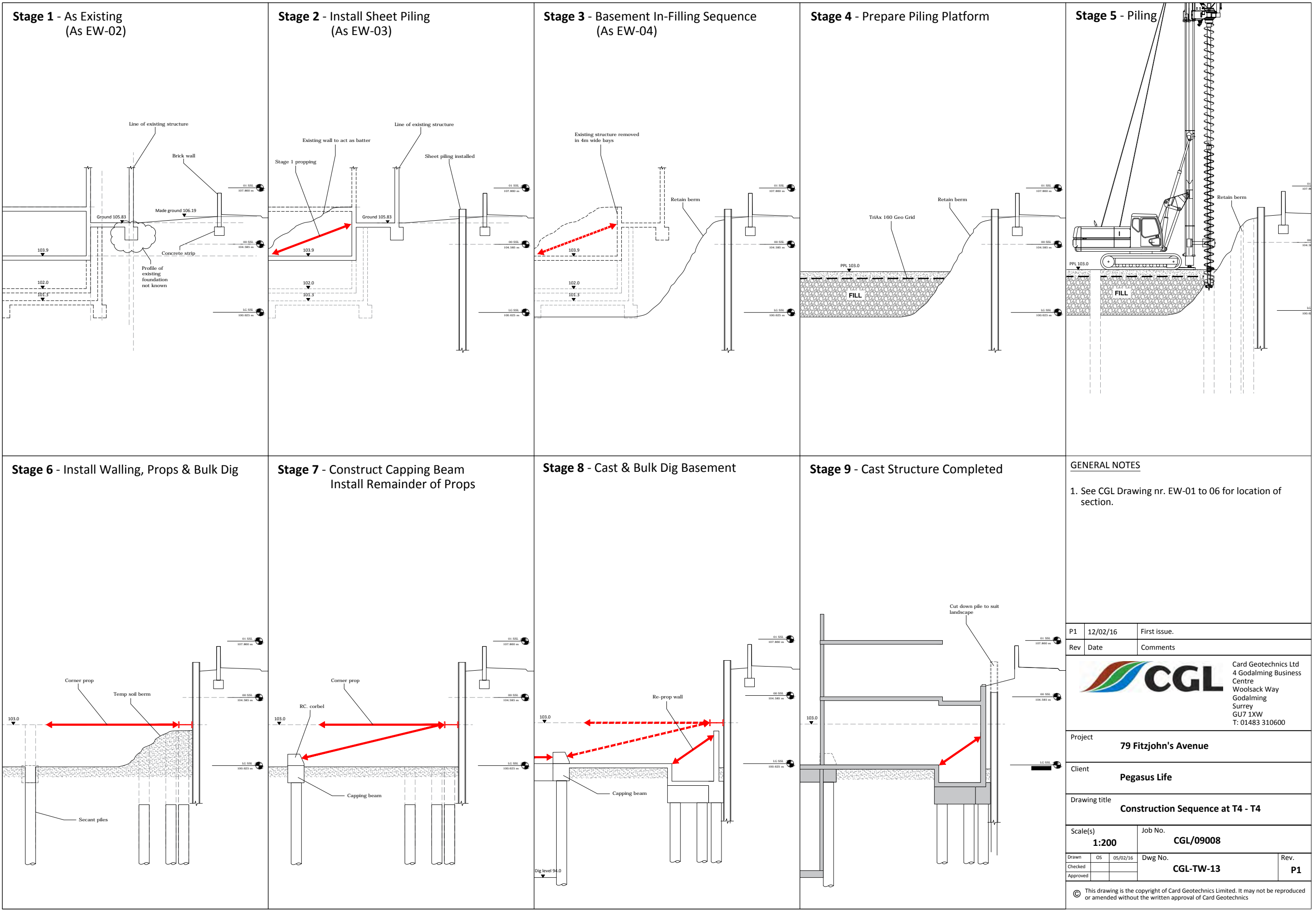
Client **Pegasus Life**

Drawing title **Construction Sequence at T3 - T3**

Scale(s) **1:200** Job No. **CGL/09008**

Drawn OS 05/02/16 Dwg No. **CGL-TW-12** Rev. **P1**

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**GENERAL NOTES**

1. See CGL Drawing nr. EW-01 to 06 for location of section.

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Project **79 Fitzjohn's Avenue**

Client **Pegasus Life**

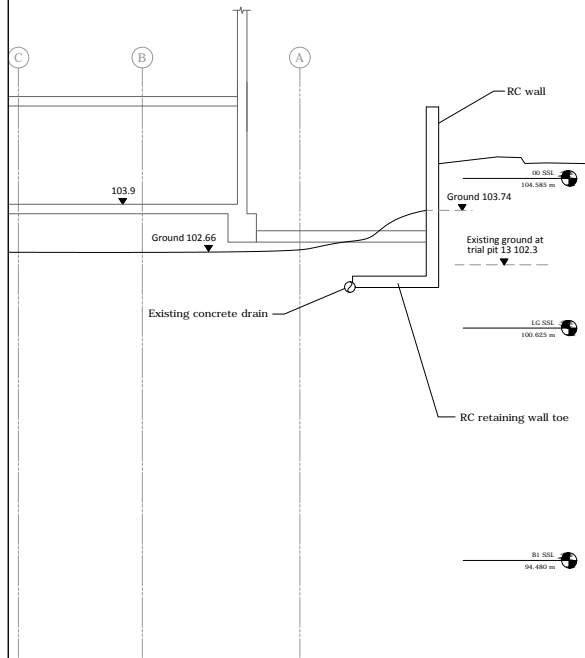
Drawing title **Construction Sequence at T4 - T4**

Scale(s) **1:200** Job No. **CGL/09008**

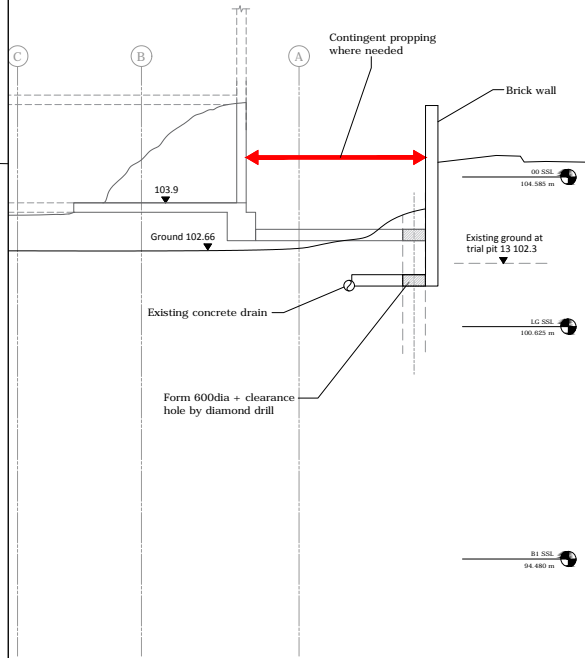
Drawn OS 05/02/16 Dwg No. **CGL-TW-13** Rev. **P1**

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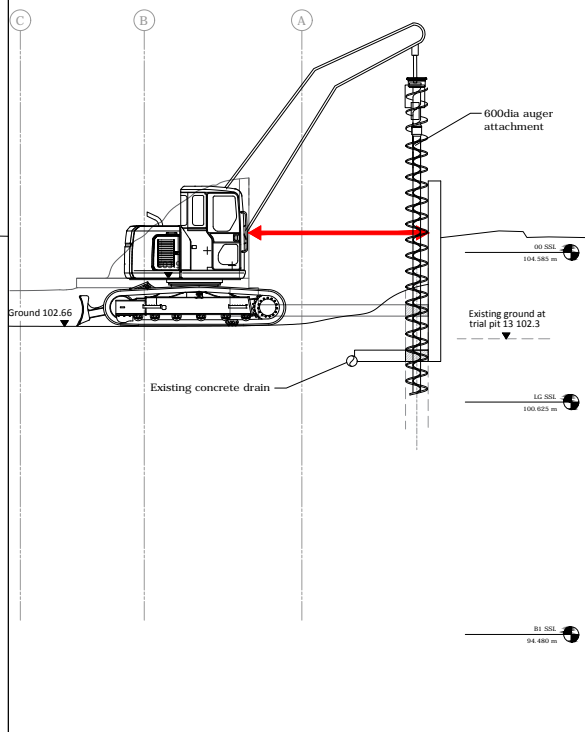
**Stage 1 - As Existing (Post Above Ground Demolition)**



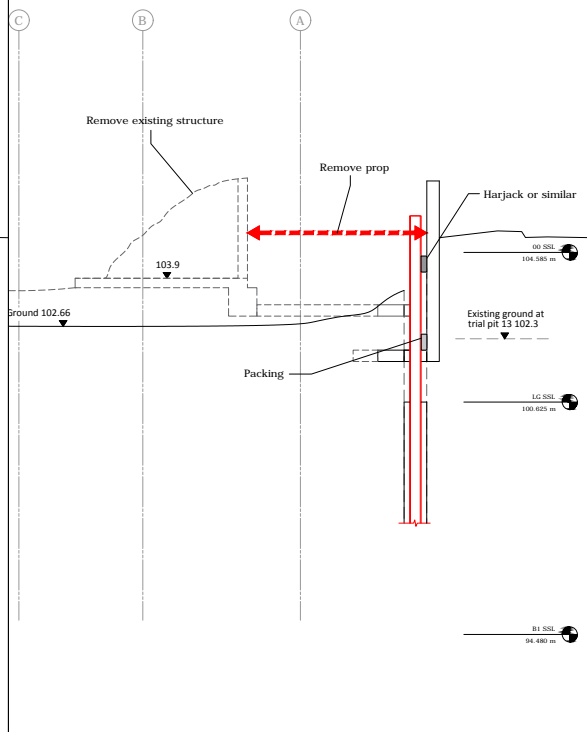
**Stage 2 - Partial Below Ground Demolition**



**Stage 3 - Install King Posts**



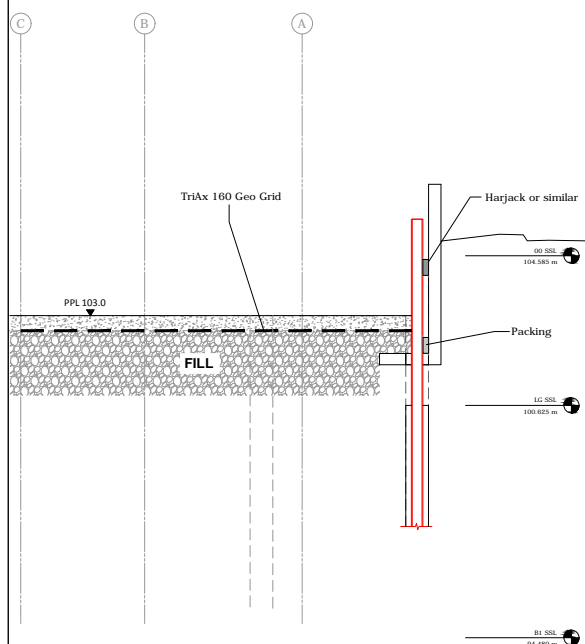
**Stage 4 - Jack King Post & Remove Existing Structure**



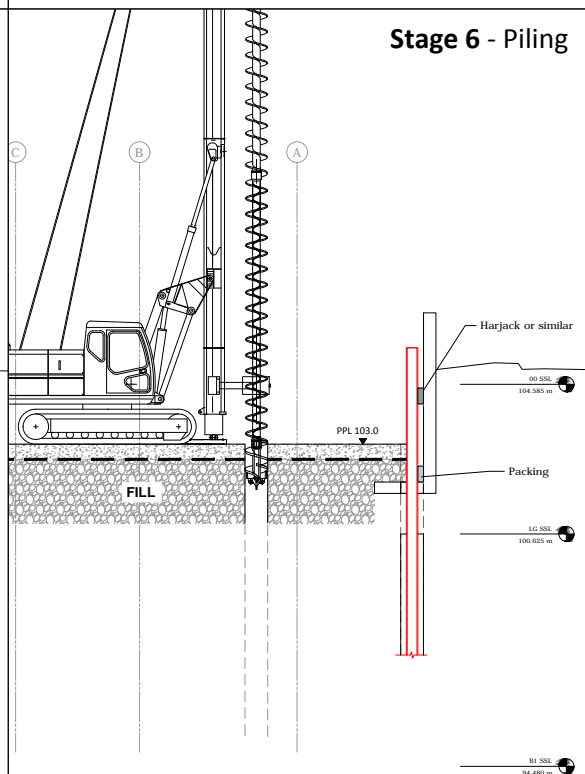
**GENERAL NOTES**

1. See CGL Drawing nr. EW-01 to 06 for location of section.

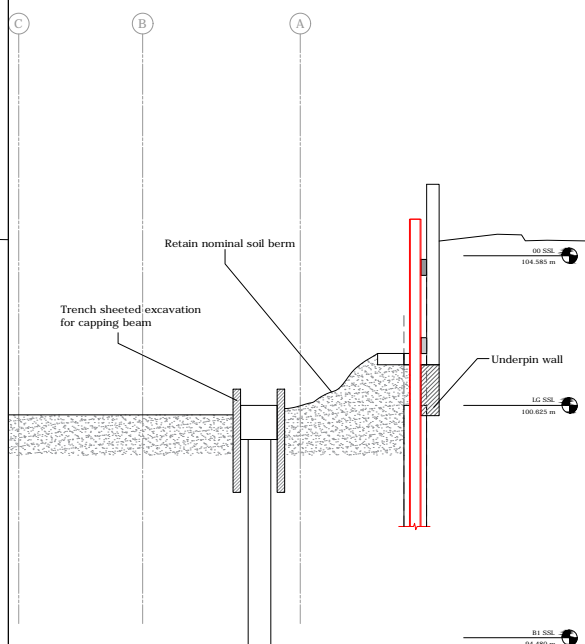
**Stage 5 - Prepare Piling Platform**



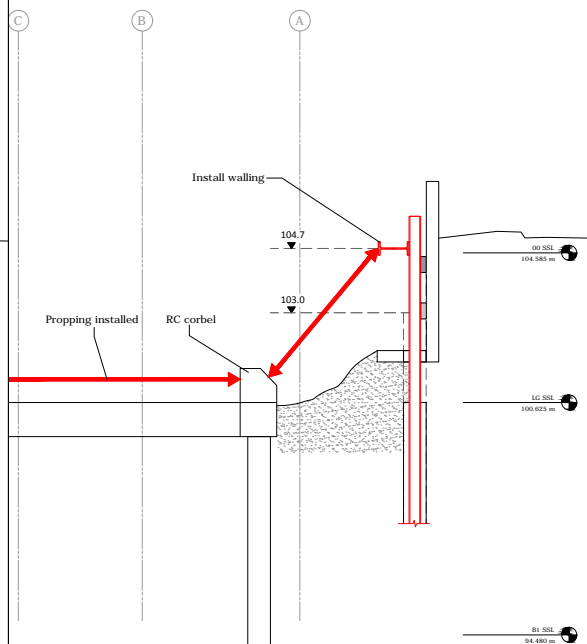
**Stage 6 - Piling**




**Stage 7 - Construct Capping Beam & Under Existing Wall In 1.5m Bays Thro Heading Berm**



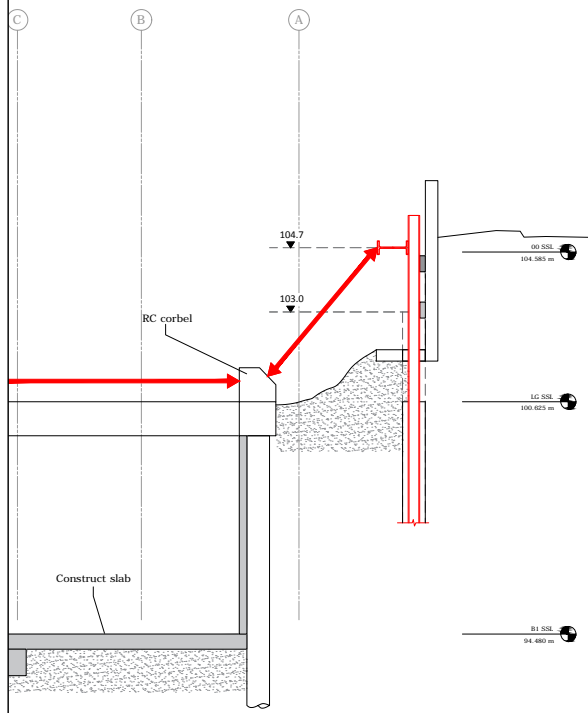
**Stage 8 - Install Main Propping**



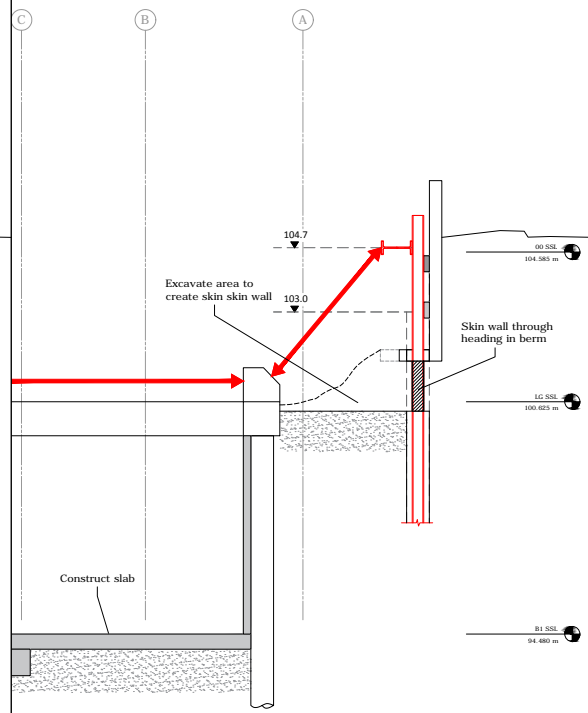
P1	12/02/16	First issue.
Rev	Date	Comments
		
Project		Card Geotechnics Ltd 4 Godalming Business Centre Woolsack Way Godalming Surrey GU7 1XW T: 01483 310600
Client		79 Fitzjohn's Avenue
Client		Pegasus Life
Drawing title		Construction Sequence at T5 - T5 (Sheet 1 of 2)
Scale(s)		Job No. CGL/09008
1:200		
Drawn	OS 08/02/16	Dwg No. CGL-TW-14
Checked		
Approved		Rev. P1

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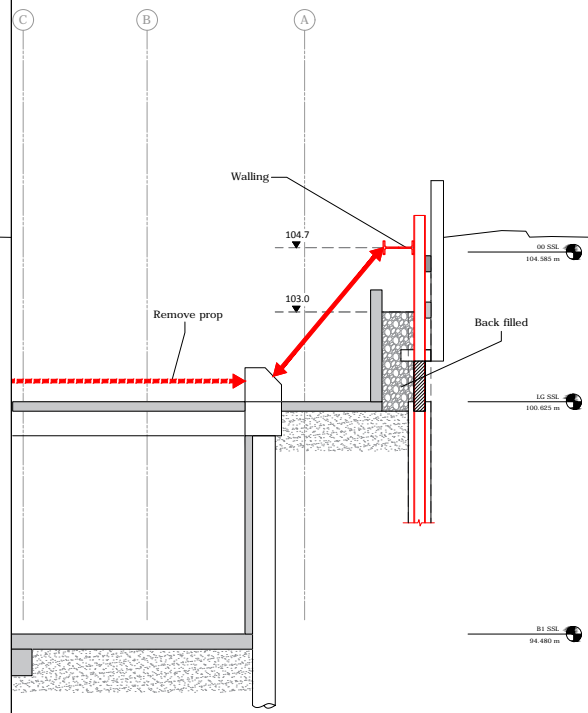
**Stage 9 - Construct Lower Basement Slab & Walls**



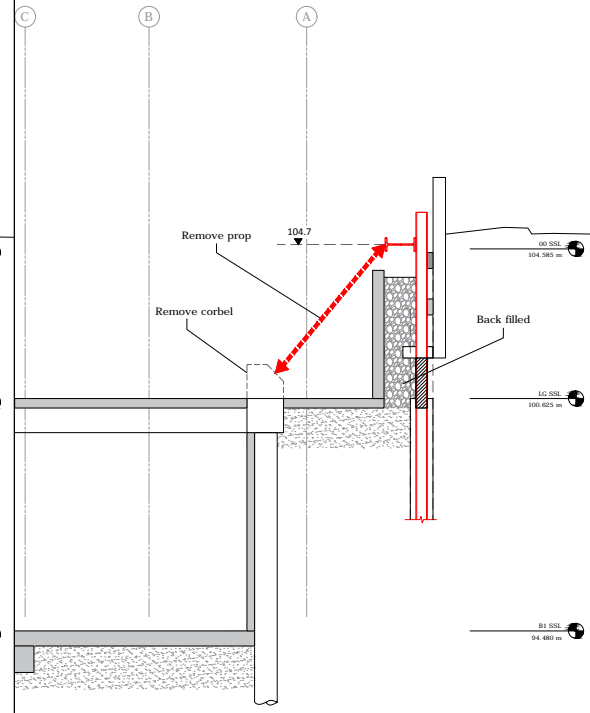
**Stage 10 - Construct Skin Wall Through Heading in Berm**



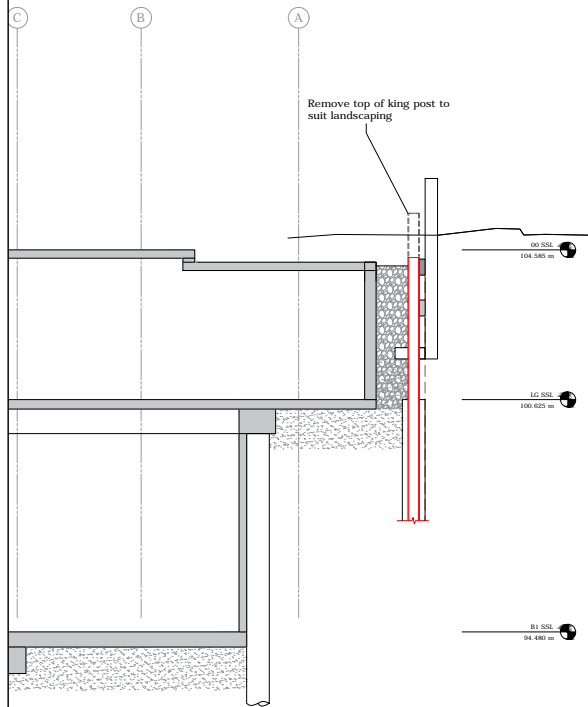
**Stage 11 - Construct LGF Slab to Prop King Posts**



**Stage 12 - Construct Walls**



**Stage 13 - Construct Ground Floor Slab**



**GENERAL NOTES**

1. See CGL Drawing nr. EW-01 to 06 for location of section.

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Project **79 Fitzjohn's Avenue**

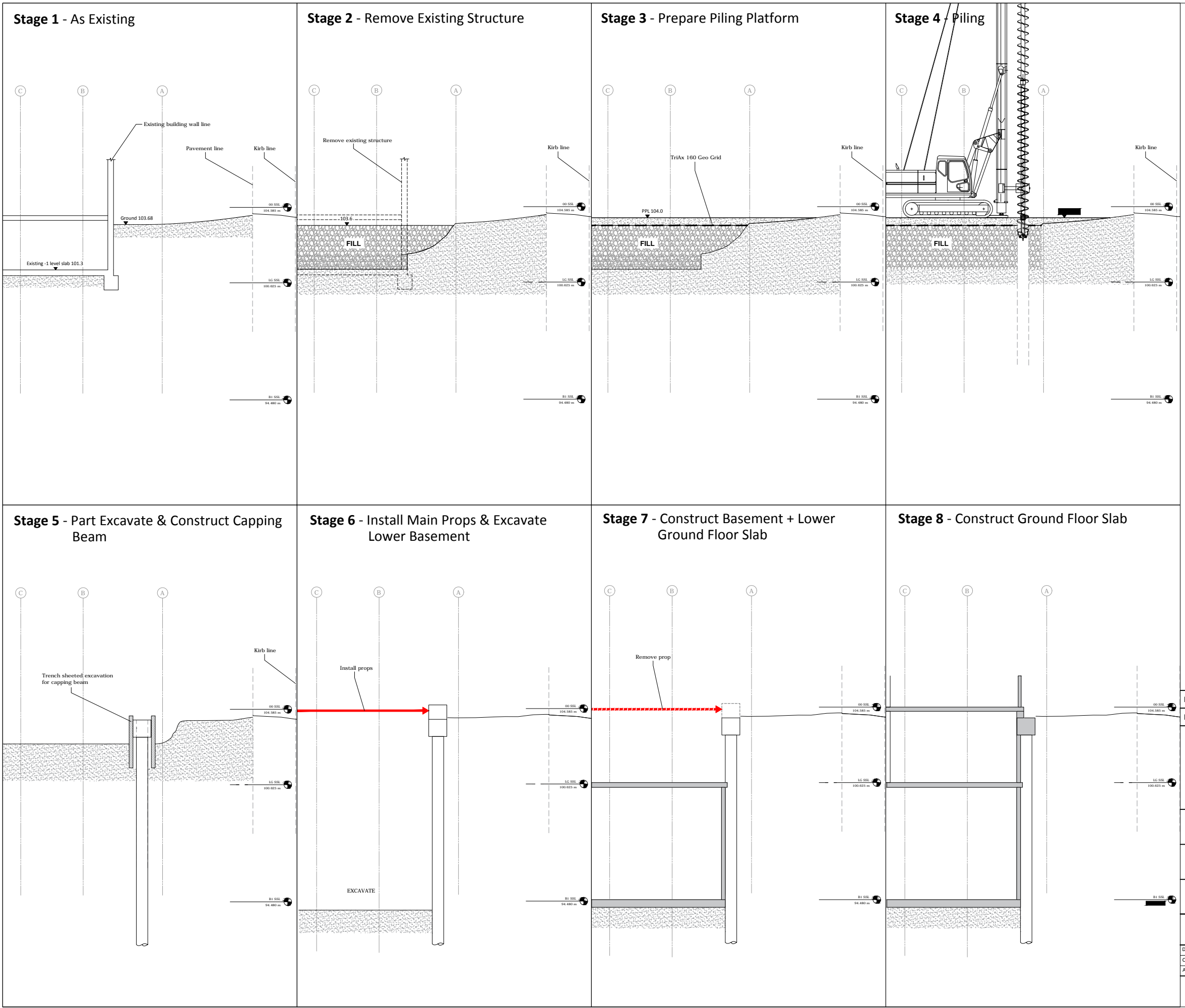
Client **Pegasus Life**

Drawing title **Construction Sequence at T5 - T5 (Sheet 2 of 2)**

Scale(s) **1:200** Job No. **CGL/09008**


Drawn	OS	08/02/16	Dwg No.	<b>CGL-TW-15</b>	Rev. <b>P1</b>
Checked					
Approved					

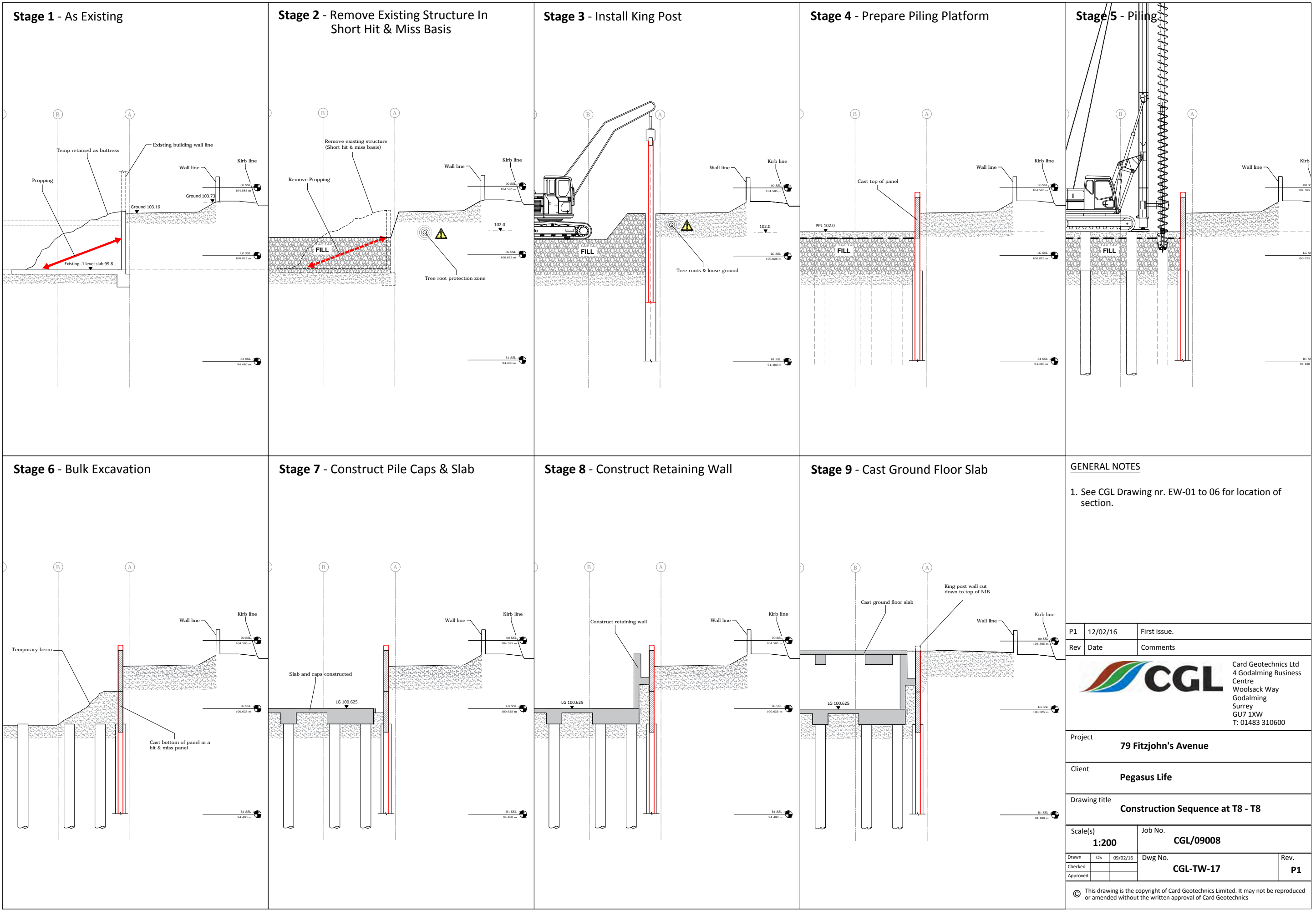
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**GENERAL NOTES**

1. See CGL Drawing nr. EW-01 to 06 for location of section.

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Project	<b>79 Fitzjohn's Avenue</b>	
Client	<b>Pegasus Life</b>	
Drawing title	<b>Construction Sequence at T6 -T6</b>	
Scale(s)	1:200	Job No. <b>CGL/09008</b>
Drawn	OS 29/01/16	Dwg No. <b>CGL-TW-16</b>
Checked		Rev. <b>P1</b>
Approved		
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**GENERAL NOTES**

1. See CGL Drawing nr. EW-01 to 06 for location of section.

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Project **79 Fitzjohn's Avenue**

Client **Pegasus Life**

Drawing title **Construction Sequence at T8 - T8**

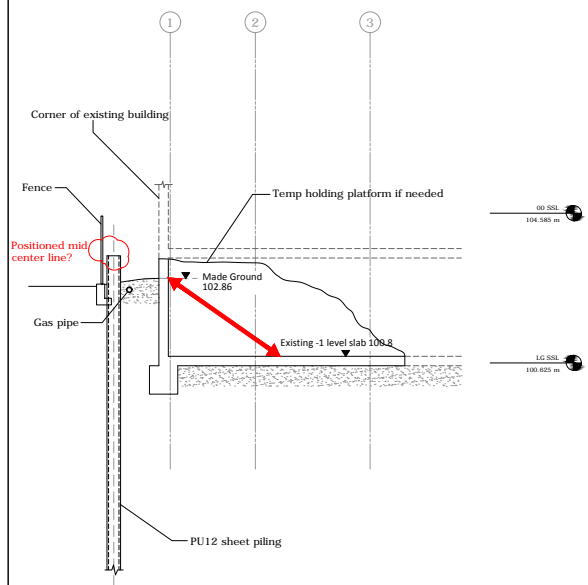
Scale(s) **1:200** Job No. **CGL/09008**

Drawn	OS	09/02/16	Dwg No.	<b>CGL-TW-17</b>	Rev.	<b>P1</b>
Checked						
Approved						

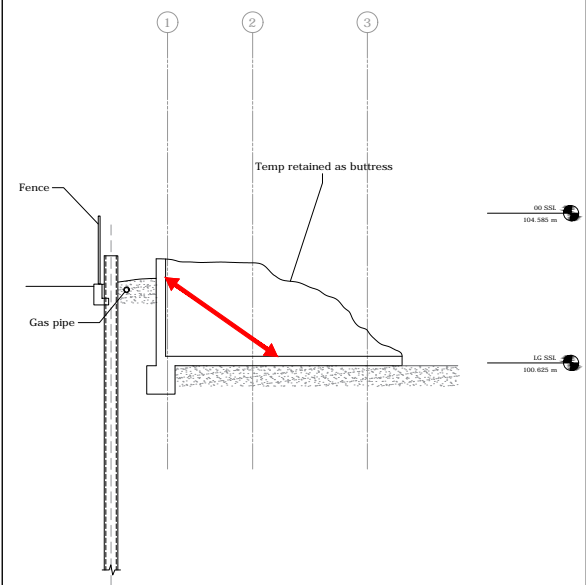
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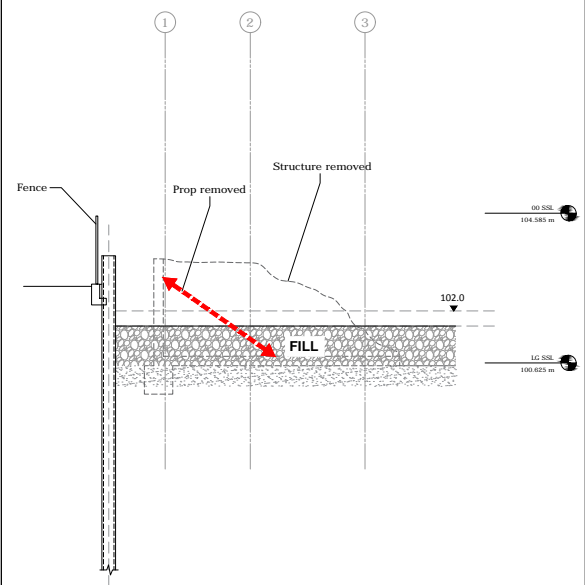
**Stage 1 - Install Sheet Piles**



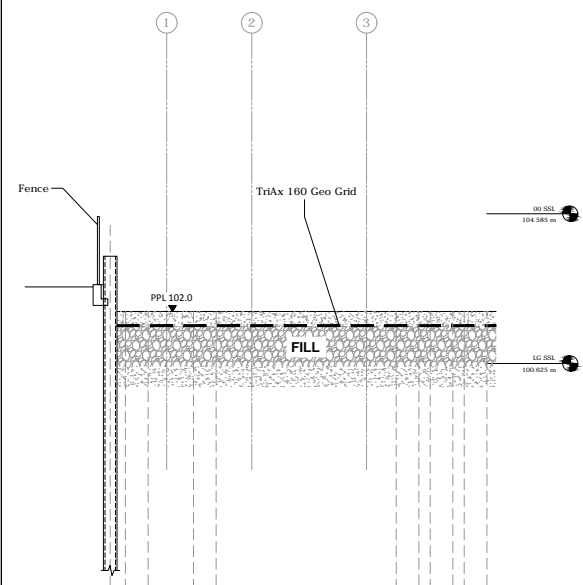
**Stage 2 -**



**Stage 3 - Existing Structure Removed In Sections**



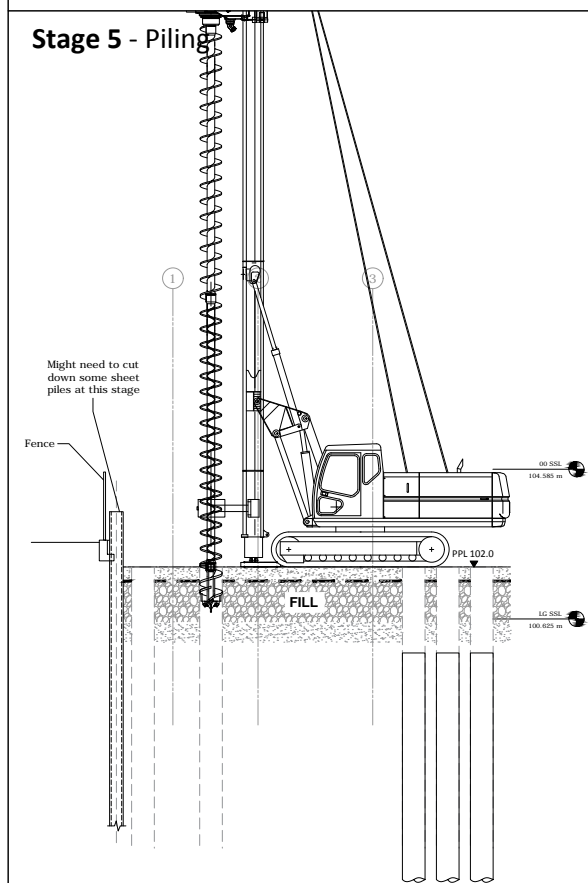
**Stage 4 - Prepare Piling Platform**



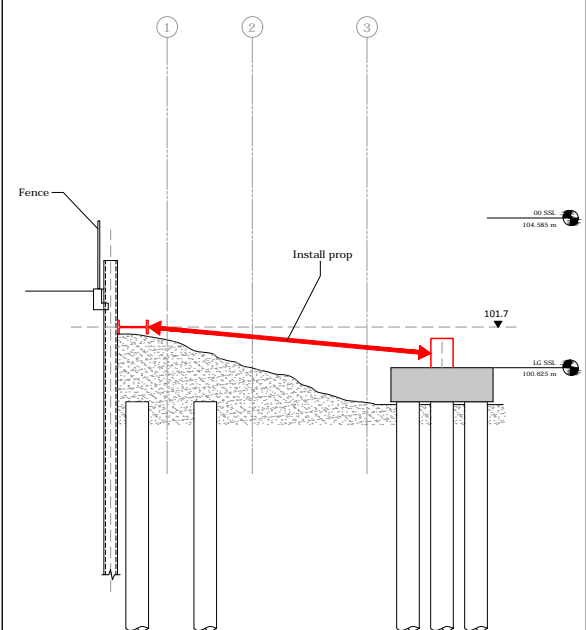
**GENERAL NOTES**

1. See CGL Drawing nr. EW-01 to 06 for location of section.

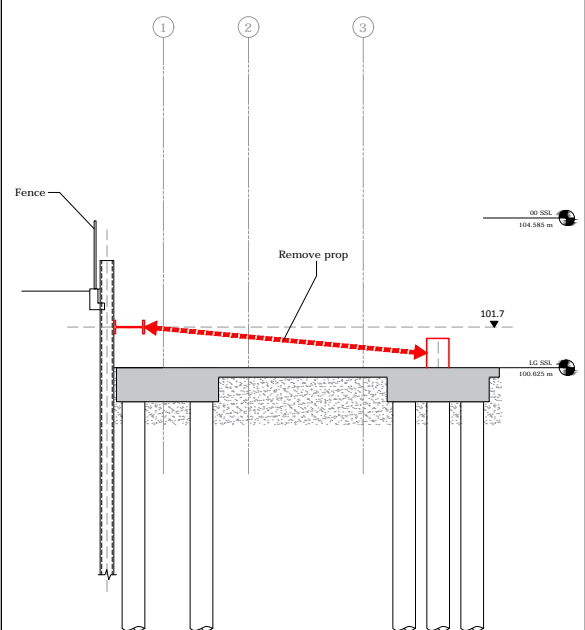
**Stage 5 - Piling**



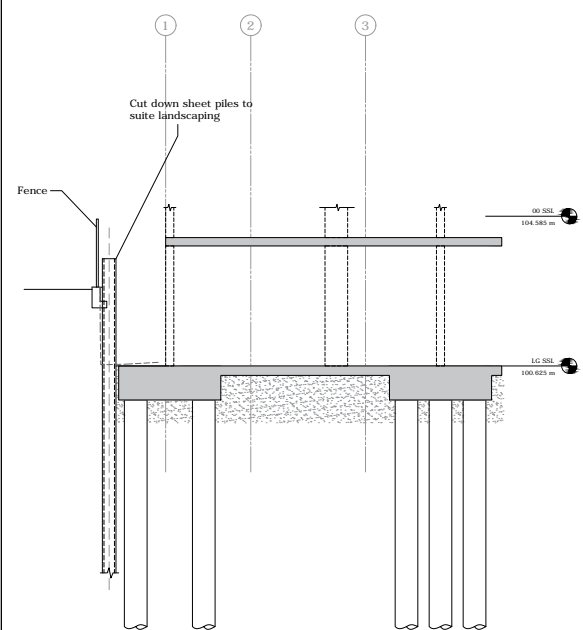
**Stage 6 - Construct Reaction Pile Cap & Install Propping**



**Stage 7 - Construct Nearest Caps & LGF Slab, Remove Prop**



**Stage 8 - Basement Complete**



P1	12/02/16	First issue.
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Rev	Date	Comments
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Project **79 Fitzjohn's Avenue**

Client **Pegasus Life**

Drawing title **Construction Sequence at T9 - T9**

Scale(s) <b>1:200</b>	Job No. <b>CGL/09008</b>
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Drawn OS 19/01/16	Dwg No. <b>CGL-TW-18</b>	Rev. <b>P1</b>
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