NSW HEALTH

Liverpool Hospital Redevelopment - Stage 2

Infrastructure and Ancillary Hospital Works



Project Application and Environmental Assessment



- Siteworks plan
- Landscaping plan

Prepared by: LFA (Pacific) Pty Ltd and Capital Insight Pty Ltd



In conjunction with: Taylor Thomson Whitting

- For: Department of Planning
- On behalf of : NSW Health



project no.	208-8080	fle no.	
drawn	GD	audited	
checked	RP	job capt	
date	09-08	proj dir	RP
plotted	19.09.08	proj mngr	RP
drawing no.			revision
L01			P1
scales			
1:500 @	> A1		

CIVIL WORKS FOR LIVERPOOL HOSPITAL PROPOSED ROAD & CARPARK UPGRADE



CIVIL DRAWING LIST

Drawing No Drawing Title

C000	TITLE SHEET, DRAWING LIST & LOCALITY PLAN
C001	NOTES AND LEGEND SHEET
C002	SITEWORKS PLAN SHEET 1
C003	SITEWORKS PLAN SHEET 2
C004	SITEWORKS PLAN SHEET 3
C005	SITEWORKS DETAIL PLAN
C006	ROAD LONGITUDINAL PLAN
C007	ROAD CROSS SECTION PLAN SHEET 1
C008	ROAD CROSS SECTION PLAN SHEET 2
C009	NOT USED
C010	INTERSECTION DETAILS PLAN SHEET 1
C011	INTERSECTION DETAILS PLAN SHEET 2
C012	INTERSECTION DETAILS PLAN SHEET 3
C013	SEDIMENTATION & EROSION CONTROL PLAN SHEET 1
C014	SEDIMENTATION & EROSION CONTROL PLAN SHEET 2



LIVERPOOL HOSPITAL -HART STREET UPGRADE

Sheet Subject TITLE SHEET, DRAWING LIST & LOCALITY PLAN

Arohito



C00

P1



Plot File Created: Sep 19, 2008 - 4:03pm

	GENERAL NOTES	\underline{S} verify all dimensions and existing levels on site prior	SURVEY AND SERVICES INFORMATION	<u>CONCRETE FINISHING NOTES</u> 1. All exposed concrete pavements are to be broomed finished.	SITEWORKS LEGEND
	to commencemen Engineer	it of works. Any discrepancies to be reported to the	Origin of levels : PM 15953 RL 8.844 Datum of levels : A.H.D. AUSTRALIAN HEIGHT DATUM Constitute austram : MCA	 All edges of the concrete pavement including keyed and dowelled joints are to be finished with an edging tool. Concrete pavements with grades greater than 10 % shall be 	F22.20 F22.00
	be disposed of of	rom the construction area. All stripped topsoil shall ff-site unless directed otherwise. nection with all existing works.	Coordinate system : <u>MGA</u> Survey prepared by : JMD Setout Points : CONTACT THE SURVEYOR	heavily broomed finished. 4. Carborundum to be added to all stair treads and ramped	K&G
	 Compact subgrade standard maximur 	e under buildings and pavements to minimum 98% m dry density in accordance with AS 1289 5.1.1.	Taylor Thomson Whiting does not guarantee that the survey information	crossings U.N.O.	K0
	footprint.	r buildings to extend 2m minimum beyond building property, property which is to become public	shown on these drawings is accurate and will accept no liability for any inaccuracies in the survey information provided to us from any cause whatsoever.	CONCRETE NOTES EXPOSURE CLASSIFICATION	DD
	property, or any Statutory Authorit	work which is to come under the control of the ty is to be carried out in accordance with the the relevant Authority. The Contractor shall obtain	<u>UNDERGROUND SERVICES - WARNING</u> The locations of underground services shown on Taylor Thomson	CONCRETE	МК
	these requirement the Authority are	ts from the Authority. Where the requirements of different to the drawings and specifications, the	Whittings drawings have been plotted from diagrams provided by service authorities. This information has been prepared solely for the authorities own use and may not necessarily be updated or accurate.	Place concrete of the following characteristic compressive strength t'c as defined in AS 1379. AS 1379 t'c Specified Nominal	MIK
	requirements of t 6. For all temporary	the Authority shall be applicable. batters refer to geotechnical recommendations.	The position of services as recorded by the authority at the time of installation may not reflect changes in the physical environment	Location MPa at 28 days Slump Agg. Size Pits, kerbs, footpaths S(25) 80 20	MIK+TE IK+TE
_	REFERENCE DRA	AWINGS	subsequent to installation. Taylor Thomson Whitting does not guarantee that the services	Footings S(32) 80 20 Vehicular pavements SF(32) 80 20	 TE
	with the following	we been based from, and to be read in conjunction Consultants drawings. Any conflict to the drawings	information shown on these drawings shows more than the presence or absence of services, and will accept no liability for inaccuracies	dt 90 days 2. Use Type 52, cement, unless othermise specified. 3. All concrete shall be subject to project assessment and testing to AS 1379.	K
С	must be notified	immediately to the Engineer. <u>Title Dwg No Rev Date</u>	in the services information shown from any cause whatsoever. The Contractor must confirm the exact location and extent of services prior to construction and notify any conflict with the drawings	testing to AS 1379. 4. Consolidate by mechanical vibration. Cure all concrete surfaces as directed in the Specification. 5. For all falls in slab, drip grooves, reglets, chamfers etc.	IK+ED
0		WING TITLE NUMBER ?? ??.???	immediately to the Engineer/Superintendent.		K&T
			The contractor is to get approval from relevant the state survey department, to remove any survey mark. This includes but is not limited to; State Survey Marks (SSM), Permanent Marks (PM), cadastral	 Unless shown on the drawings, the location of all construction joints shall be submitted to Engineer for review. No holes or chases shall be made in the slab without the approval of the Engineer. 	
			reference marks or any other survey mark which is to be removed or adjusted in any way.	 Conduits and pipes are to be fixed to the underside of the top reinforcement layer. Slurry used to lubricate concrete pump lines is not to 	600 ¢ '2' 1.25%
_			Taylor Thomson Whitting plans do not indicate the presence of any survey mark. The contractor is to undertake their own search.	be used in any structural members.	Q=345 L/s IL9.65 GD
	<u>PIT_SCHEDULE</u> Note: Grate size doe	s not necessorily reflect pit size, refer pit	BOUNDARY AND EASEMENT NOTE	REINFORCEMENT NOTES	
	type details, s ype Description	shown on detail sheets - C05 Cover (Clear Opening) Number	The property boundary and easement locations shown on Taylor Thomson Whitting drawing's have been based from information	 Fix reinforcement as shown on drawings. The type and grade is indicated by a symbol as shown below. On the drawings 	••••••••••••••••••••••••••••••••••••••
_	A Kerb inlet pit 2.4m lintel	'Sag pit' 450 x 900 Class D 2.3.4.7 galvanised mild steel grate hinged to	received from : <u>No boundary information received.</u> <u>Refer architect for boundary information and locations</u> Taylor Thomson Whitting makes no guarantees that the boundary or	this is followed by a numeral which indicates the size in millimetres of the reinforcement.	
		frame 'On grade pit' 450 x 900 Class D 1	easement information shown is correct. Taylor Thomson Whitting will accept no liabilities for boundary	N. Hot rolled ribbed bar grade D500N R. Plain round bar grade R250N SL. Square mesh grade 500L	 ///////////////////////////////
		on grade pit 450 x 900 Class D galvanised mild steel grate hinged to frame	inaccuracies. The contractor/builder is advised to check/confirm all boundaries in relation to all proposed work prior to the commencement of construction. Boundary inaccuracies found are to be reported to the	RL. Rectangular mesh grade 500L 2. Provide bar supports or spacers to give the following	\rightarrow
	B Kerb inlet pit 2.4m lintel	Special sag pit' 450 x 900 Class D 5,6 -	superintendent prior to construction starting.	concrete cover to all reinforcement unless otherwise noted on drawings. Footings – bottom, top, sides.	*
_	C Headwall	frame Concrete headwall to suit	JOINTING NOTES Vehicular Pavement Jointing	Slabs — top, bottom, when exposed to weather. Beams — bottom, sides, top to ties. Columns — to ties and spirals.	RW#
_		300x750 RCBC	 All vehicular pavements to be jointed as shown on drawings. Keyed construction joints should generally be located at a maximum of 6m centres. 	 when exposed to weather or ground. Walls generally. when cast in forms but later exposed to 	RW# DEJ
_	D	Existing pit to remain 9	 Sawn joints should generally be located at a maximum of 6m centres or 1.5 x the spacing of keyed joints, where key joint 	weather or ground. — when cast directly in contact with ground. 3. Cover to reinforcement ends to be 45 mm u.n.o.	SJ
	1 Stormwater Design	IRAINAGE NOTES Criteria :	spacing is less than 4m, with dowelled expansion joints at maximum of 30m centres. 4. Provide 10mm wide full depth expansion joints between buildings		KJ
	(A) Average recur 1:100 year	rrence interval — 's for roof drainage to first external pit ; for paved and landscaped areas	and all concrete or unit pavers. 5. Vehicular pavement jointing as follows.	• Provide in (2 - 4x) signal table to up removement 5. Manitation covers in a signal table ta	 EJ
	(B) Rainfall intens Time of cond	sities – centration: 6 minutes	The timing of the saw cut is to be confirmed by the contractor on site. Site conditions will determine how many hours after the concrete pour before the saw cuts are commenced. Refer to the	 All cogets to be standard cogs unless noted therwise. Fabric end and side laps are to be placed strictly in accordance with the manufacturers requirements to achieve a 	TKJ
	1:100 year 1:20 year (C) Runoff coeffic	rs = 215.49 mm/hr rs = 167.79 mm/hr cients -	specification for weather conditions and temperatures required.	full tensile lop. Following and the individual of the tension of the tension of the tension of a layers at any location.	$- \leftarrow \leftarrow$
	Roof areas	s: C100 = 1.00 paved areas: C20 = 0.95	_{र।} हो ज ज ज ज ज ज	FABRIC LAPS	
	2. Pipes 300 dia and	d larger to be reinforced concrete Class "2"		25	SURVEY LEGEND
	 Pipes up to 300 (welded joints. 	and socket with rubber ring joints U.N.O. dia shall be sewer grade uPVC with solvent	KJ	9. COGGED BAR LAPS U.N.O. 言	+18.48
	to approval. 5. Precast pits may	h VCP or FCP pipes may be used subject be used external to the building subject	EJ FACE OF BUILDING		
	fittings where pip	tions and junctions to be manufactured es are less than 300 dia.	Pedestrian Footpath Jointing	40 bar dia BTM BARS SIMILAR	
	/ Where subsoil drai	ins pass under floor slabs and vehicular tted uPVC sewer grade pipe is to be used. s shall conform with AS 3996-2006, and	 Expansion joints are to be located where possible at tangent points of curves and elsewhere at max 6.0m centres. We have a start of the post of the start of the	FORMWORK 1. The design, certification, construction and performance	SW
	AS 1428.1 for act	cess requirements. nstalled in accordance with AS 3725. All	 Weakened plane joints are to be located at a max 1.5 x width of the pavement. Where possible joints should be located to match kerbing and / or 	of the formwork, falsework and backpropping shall be the responsibility of the contractor. Proposed method of installation and removal of formwork is to be submitted to	T
	10. Care is to be tal shown are not t	ken with levels of stormwater lines. Grades to be reduced without approval. ipes to be 150 dia at 1.0% min fall U.N.O.	adjacent pavement joints. 4. All pedestrian footpath jointings as follows (uno).	the superintendent for comment prior to work being carried out. REINFORCEMENT LEGEND	W
	 Subsoil drains to Adopt invert level 	be slotted flexible uPVC U.N.O. Is for pipe installation (grades shown are		 Implementation of area covered by bars. Implementation of a change in bar shape and/or_length. 	S
_	only nominal).			 <u>B3</u> Indicates to repeat bars tagged thus (B) etc. LAY BARS IN DIRECTION INDICATED BY ARROW. Bars shown staggered on plan are to be placed alternately. 	EASEMENT FOR(m W
	SITEWORKS NOT	$\overline{\text{IES}}$ sterial to comply with RTA specification No 3051 \cdot	6.0m MAX	 ALT. denotes bars of different length and/or shape to be laid alternately. 	\otimes
	and compacted to accordance with A	minimum 98% modified standard dry density in S 1289 5.2.1.	EROSION AND SEDIMENT CONTROL NOTES	6. <u>3N16</u> 10-250 H3 I3 bors placed one per space centrally over column.	
	as the adjacent m	material shall be compacted to the same density naterial. es under vehicular pavements shall be backfilled	 All work shall be generally carried out in accordance with (A) Local authority requirements, (B) EPA – Pollution control manual for urban stormwater, 	LIST OF ABBREVIATIONS : U.N.O unless noted otherwise L.V Bar Lengths Vary N.S.O.P Not Shown On Plan	⊂ SGN
		select material and compacted to a minimum imum dry density in accordance with AS 1289 5.1.1	(C) Department of conservation and land management manual— "Urban Erosion & Sediment Control".	E.W. – Each Way N.S.O.E. – Not Shown On Elevation E.F. – Each Face N.F. – Near Face	MH
_	KERBING NOTES		 Erosion and sediment control <u>drawings and notes</u> are provided for the whole of the works. Should the Contractor stage these works then the design may require to be modified. Variation to these 	F.F For Face	II SV
		2 utters, dish drains, crossings and edges.	details may require to be approved by the relevant authorities. The erosion and sediment control <u>plan</u> shall be implemented and		TEL TRAP
	minimum 75mm	dish drains and crossings to be constructed on granular basecourse compacted to minimum 98% or dru desity in accordance with AS 1289, 5.2.1	adopted to meet the varying situations as work on site progresses. 3. Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.		
	Expansion joints (filler board for th	n dry density in accordance with AS 1289 5.2.1. (EJ) to be formed from 10mm compressible cork ie full depth of the section and cut to profile.	 When stormmater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits. Minimise the area of site being disturbed at any one time. 		
	Expansion joints f of curves and els	to be located at drainage pits, on tangent points sewhere at 12m centres except for integral kerbs ion joints are to match the joint locations in slabs.	 Protect all stockpiles of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in 		O EP
	3. Weakened plane ja	oints to be min 3mm wide and located at 3m or integral kerbs where weakened plane joints are to	watercourses. 7. All soil and water control measures are to be put back in place at the end of each working day, and modified to best suit site		0 1. [] 14
		locations in slabs. to all ramped and vehicular crossings, all other rains to be steel float finished.	conditions. 8. Control water from upstream of the site such that it does not enter the disturbed site.		13
	5. In the replacemen Existing road p	it of kerbs — avernent is to be sawcut 900mm from lip of	enter the austurbea site. 9. All construction vehicles shall enter and exit the site via the temporary construction entry/exit.		○ PINI
	surface is to b and thicknesses		 All vehicles leaving the site shall be cleaned and inspected before leaving. Maintain all stormwater pipes and pits clear of debris and 		▲BM 51.10
md	Existing allotme kerb with a 100	ent drainage pipes are to be built into the new Omm dia hole.	sediment. Inspect stormwater system and clean out after each storm event.		🕀 вн о
08 - 4:04pm 	Existing kerbs o are shown.	are to be completely removed where new kerbs	 Clean out all erosion and sediment control devices after each storm event. 		OFC
Sep 19, 2008			Sequence Of Works 1. Prior to commencement of excavation the following soil		O FL
			management devices must be installed. 1.1. Construct silt fences below the site and across all potential runoff sites.		o LH o BUB
cameronr - Plot File Created:			 Construct temporary construction entry/exit and divert runoff to suitable control systems. 		LB P
sronr – P.			 Construct measures to divert upstream flows into existing stormwater system. Construct sedimentation traps/basin including outlet control and 		C BOL
SER: comu			overflow. 1.5. Construct turf lined swoles. 1.6. Provide sandbag sediment traps upstream of existing pits.		SEAT
CO1.dwg - USER:			Construct geotextile filter pit surround around all proposed pits as they are constructed.		O KO
FileName: CO1.			 On completion of pavement provide sand bag kerb inlet sediment traps around pits. Provide and maintain a strip of turf on both sides of all roads 		\bigcirc
File			after the construction of kerbs.		

8

<u>s legend</u> F22.20 Finished surface level 2.00 --- Finished contour Kerb and gutter — Kerb only Flush kerb ____ Dish drain Mountable kerb Mountable integral kerb + TE Mountable integral kerb ••••••••••• with thickened edge ••••••••••• Integral kerb with thickened edge •••••••••• edge Thickened edge ED ____ Integral kerb with edge downturn Kk1 Kerb and toe Stormader pit, flow direction and line with linert level upstream (by 22x L/s) Pipe size and dass Pipe grade loss Pipe second loss linert level downstream on linert level downstream 7.00 '2' X GU Grated drain Subsoil drainage line (100 dia) ······•• FP Flushing point ----- DP Down pipe Concrete encased stormwater line Stormwater line with pipe taper and flow direction Toper kerb to zero height over 500 mm Wheelstop W# Blockwork retaining wall ₩# Brickwork retaining wall EJ ____ Dowelled expansion joint SJ — — — — Sawn joint NPJ ----- Weakened plane joint TKJ_____ Tied keyed joint ── ← Grass catch drain _<--- Overland flow path ------ Guard Rail EGEND Surface level Contour Kerb line Batter Retaining wall Stormwater drainage line Telecommunications line Gas line Water main Sewer line ____(___m WDE) Easement Fence Tree to be removed/be retained Boundary Sign Hydrant Manhole Gas Stop Valve Water Telstra Trap rrap Gully Grate Sewer Manhole Energy Australia (Electricity)

Electric Light Pole Traffic Light Traffic Light Lid Traffic Light Box

Telephone Box Parking Meter

Permanent Mark

Bench Mark

Borehole

Test Pit

Fuel Cock

Flood Light

Lamp Hole Bubbler

Letter Box

Flag Pole Flag Pole Box Bollard Seat

Kerb Outlet Monorail Pylon

Bin

PAVEMENT LEGEND

40mm Thickness asphaltic concrete (AC10) on 120mm Compacted thickness fine crushed rock (DOB20) on 220mm Compacted thickness fine crushed rock (DOS40)
80mm Thickness concrete (f'c=32MPa) with SL92 fabric (40 top cover) on 100mm Compacted thickness fine crushed rock (DGB 20)

 $\underline{\text{NOTE}}$ Asphaltic concrete shall conform to AS2150 and the specification Assumed CBR = 3%







SCALE 1:250 0 2.5 5 7.5 10 12.5 AT ORIGINAL SIZE PRELIMINARY Scale : B1 Draw

Consuling Engineers 48 Chandros Street St.Leonards NSW 2065 Tt +012 9439 7288 Ft +012 9439 3146 mwydigthw.com

1:250 C.R P.L

Job No 071850 Drawing No

P2

Plot File Created: Sep 19, 2008 - 4:05pm

Sheef Subject SITEWORKS PLAN SHEET 1

Architect

Project LIVERPOOL HOSPITAL -HART STREET UPGRADE

P2	ISSUE FOR COMMENT	PL	CR	19.09.0
P2 P1	ISSUE FOR COMMENT	PL PL	CR CR	19.09.0 08.08.0







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<u>KEY PLAN</u>

FOR NOTES AND LEGENDS REFER TO DRAWING No C01.

CONTRACTOR IS TO LOCATE ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK



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P2	ISSUE FOR COMMENT	PL	CR	19.09.08
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Rev	Description	Eng	Draft	Date

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P2

PRELIMINARY

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P1	ISSUE FOR COMMENT	PL PL	CR	08.08.08
		Eng	Draft	Date

Sheet Subject SITEWORKS PLAN SHEET 3

Architect

Scale : B1 1:250

SCALE 1:250 0 2.5 5 7.5 10 12.5 AT ORIGINAL SIZE

PRELIMINARY

Rev	Description	Eng	Draft	Date
P1	ISSUE FOR COMMENT	PL	CR	08.08.08
P2	ISSUE FOR COMMENT	PL	CR	19.09.08

Rev	Description	Eng	Draft	Date
P1	ISSUE FOR COMMENT	PL	CR	08.08.0
P2	ISSUE FOR COMMENT	PL	CR	19.09.08

Consulting Engineers 48 Chandos Street St.Leonards NSW 2085 To: +61 2 9439 7288 F: +61 2 9439 3146 thwsyd@thw.com.a

Drawing No C04

P.L

Revision P2

C.R

 Job No
 Draw

 071850
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 Sep 19, 2008 - 4:06pm

Project	
LIVERPOOL HOSPITAL -	
HART STREET UPGRADE	

P2	ISSUE FOR COMMENT	PL.	CR	19.09.08
P1	ISSUE FOR COMMENT	PL	CR	08.08.08
Rev	Description	Eng	Draft	Date

P2	ISSUE FOR COMMENT	PL	CR	19.09.0
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P2	ISSUE FOR COMMENT	PL	CR	19.09.08









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ISSUE FOR COMMENT	Р	09	19.09.

LIVERPOOL HOSPITAL -HART STREET UPGRADE

Sheet Subject DETAILS SHEET

ARCHITECTS NAME ARCHITECTS ADDRESS



48 Chandos Street St Leonards NSW 2065 T +61 2 9439 7288 F +61 2 9439 3146 ttvs

C05

P2







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HART STREET LONGITUDINAL SECTION SCALE 1:1000 HORIZONTAL 1:100 VERTICAL

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LIVERPOOL HOSPITAL -HART STREET UPGRADE

P1	PRELIMINARY	PL	CR	19.09.08

ROAD LONGITUDINAL

Sheet Subject

PLAN Architect

Scale : B1

AS SHOWN Job No 071850

VERTICAL 1:100 AT ORIGINAL SIZE HORIZONTAL 1:1000 AT ORIGINAL SIZE AT ORIGINAL SIZE

PRELIMINARY

P1	PRELIMINARY	PL	CR	19.09.08
Rev	Description	Eng	Draft	Date

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Rev	Description	Eng	Draft	Date

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Drawing No

P.L

Revision P1

C.R

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Datum RL 7.00 PROPOSED SURFACE Existing surface OFFSET

Datum RL 7.00

PROPOSED SURFACE

EXISTING SURFACE

Datum RL 7.00

PROPOSED SURFACE

EXISTING SURFACE

OFFSET

OFFSET







CH 40.00



PL CR 19.09.08 Eng Draft Date

LIVERPOOL HOSPITAL -HART STREET UPGRADE

ROAD CROSS SECTION PLAN

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Plot File Created: Sep 19, 2008 - 4:06pm



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FOR NOTES AND LEGENDS REFER TO DRAWING No C01

CONTRACTOR IS TO LOCATE ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK



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	07 195.00 1 in -18.29 -3% 0% -3% 1%	0.5%	CH 225.00 1, in -12.03 -3% 0% -3% 1% 0.5%	$\frac{1}{10} - \frac{6.85}{-3\%} - \frac{3\%}{-3\%} - \frac{1\%}{-3\%} - \frac{0.5\%}{-3\%} \frac{1}{-5}$	
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Existing surface	900 945 945 923 923 923 923 923 923 923 923 923 923	227777 5555555	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	25 24.5.5.85 25 24.5.5 26 26 26 26 26 26 26 26 26 26 26 26 26 2	
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	-8.20 -5.90 -2.27 0.000 3.3455 3.3455 3.3455 3.3455 3.3455 3.3455 3.3455 3.345	9.35 10.555 12.556 12.556 12.556	- 5.30 - 5.30 - 2.27 - 2.25 -	-8.20 -5.90 -5.90 -5.95 -2.25 3.3466 3.3466 3.3466 3.3466 3.3466 3.3466 3.3466 3.3466 3.34666 3.346666 3.346666666666	
	CH 190.00 1 in -17.24 -3% 0% -3% 1%	0.5%		CH 250.00 1 in -1.32 -3% 0% -3% 1% 0.5%	
Datum RL 8.00 PROPOSED SURFACE			1_in -12.88 -3% 0% -3% 1% 0.5%	Datum RL 8.00	
EXISTING SURFACE	9.00 9.10 9.12 9.12 9.12 9.12 19.12	55555555 5555555 555555555 5555555 55555	ය. ත් අද්ධ ධර්ජ කිරීමති දැක්වරයින්න ම ත් අද්ධ ධර්ජ කිරීමති දැක්වරයින්න ම ත් අද්ධ ධර්ජ කරන්න ත්රත්මාන්ත්	8 55 55% 55% 55% 55% 55% 55% 55% 55% 55%	
LEVEL	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	옥부부부추추 6666666	ය. න් තිබ තිබ තිබේ තිබේ පිටිදුවදිදී ය. න් තිබේ තිබේ තිබේ පිටිදුවදිදීදී න් ත්රත්ත්ත්ත්	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	
OFFSET	-5.90 -5.90 -2.27 3.46 3.345 3	9.95 10.40 12.55 12.55 12.55 12.55 10.55 1	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000000	-8.20 -5.90 -5.90 -2.25 3.3466 3.346 3.346 3.3466 3.3466 3.3466 3.3466 3.3466 3.3466 3.3466 3.3466 3.34666 3.34666 3.346666666666	
	CH 185.00	0.5%	CH 215.00	CH 245.00	
Datum RL 8.00		BL	1 in -13.41 -3% -3% 1% 0.5%	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Datum RL 8.00
PROPOSED SURFACE LEVEL	9.04 9.17 9.27 9.18 9.18 9.18 9.18 9.18	9938993 9388993 9388993		දී දේද රුදි දේදීම ප්රයින්ත්රීන් දේ දේද රුදි දේදීම ප්රයින්ත්රීන් දේ දේද රුදි දේදීම ප්රයින්ත්රීන් දේ	9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.
EXISTING SURFACE LEVEL	6 6 6 7 7 7 7 6 6 7 7 7 7 7 7 7 7 7 7 7	555555 5555555 5555555	9.07 9.24 9.42 9.42 9.95 9.95 9.95 9.95 9.95 9.95 9.95 9.9	රේ සිදු දේව පළති යාදානය ය. රේ සිදු දීදී දීදී දීදීම් දීදීම් දීදීම් දීම් දීම	లల లల కారంలలంలు నినినినిని తెలు కారంలలు
OFFSET	-8.20 -5.90 -2.27 -2.27 -0.02 3.40 3.385 3.385 3.385	9.95 10.40 112.56 13.00	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	12 26 36<	
	CH 180.00	0.5%	- 6 20 - 5 30 -	·····································	CH 270.00 1.5% _3% _0% _3% 0.5%/ in ∞
Datum RL 8.00	1 in -18.03 -3%		CH 210.00 1 in -12.95 -3% -3% 1% 0.5%	1 in -10.25 - 3% 0% - 3% 1% 0.5%	
PROPOSED SURFACE LEVEL		999993338 55233382	Datum RL 8.00	Datum RL 8.00	Datum RL 18:00
existing surface Level		9666666 966666 966666	9.004 9.004 9.009 9.009 9.009 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000 9.000	이 아이	9.83 9.94 9.94 9.94 9.95 9.95 9.95 9.95 9.95
OFFSET		9.95 10555 112556 13.10	2 0 0 0000 0000000 2 0 0 0000 00000000 2 0 0 00000000	29 29 29 29 29 29 29 29 29 29 29 29 29 2	2000 2000 2000 2000 2000 2000 2000 200
	୍ ା ା ା ତ ରାମନ 0H 175.00	<i><u><u></u><u><u></u><u><u></u></u><u></u><u></u></u></u></i>	-5.30 -5.30 0.00 3.840 3.840 3.840 3.840 3.840 3.840 1.0556 1.0556 1.125566 1.125566 1.125566 1.125566 1.125566 1.125566 1.125566 1.125566 1.1	- 8.20 - 5.90 - 5.90 - 2.27 3.446 3.446 3.446 3.446 3.446 3.446 3.446 3.446 3.446 3.446 3.446 1.346 3.446 1.346 3.446 1.346 3.446 1.346 3.446 1.346 3.4463.446 3.4467 3.446767 3.446767676767676767676767676767676767676	- 6:10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
	1 in -17.89 -3% 0% -3% 1%	0.5%	CH 205.00 1. <u>in -16.46 -3% -3% 1% 0.5%</u>	CH 235.00	CH 265.00 1.5% -3% 0% -3% 0.5%
Datum RL 7.00			Datum RL 8.00	Datum RL 8.00	Datum RL \$5.90
PROPOSED SURFACE LEVEL	99.3 9.35 9.35 9.03 9.03 9.03 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.	99999999999999999999999999999999999999	9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9	ය ය. පැහැ අත්තරයක් අත්තරයක් දේ. දුදු දී දිදියි දී.කී.දී අත්තරයක් අත්තරයක් දේ. දී දී දී දී දී.කී.කී.දී දී.කී.දී දී.කී.කී.කී.කී.කී.කී.කී.කී.කී.කී.	9.79 9.79 9.74 9.74 9.74 9.77 9.97 1.77 9.57 1.75 9.57
EXISTING SURFACE LEVEL	6 5 5 5 5 5 5 5 6 6 7 7 6 6 7 7 7 6 6 7 7 7 7	56666666	9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	যে হ ৰুৱ কৰ সায়ে বৰ্ষৰ্বৰ যে হ ৰুৱ হৰ সায়ে বৰ্ষৰ্বৰ সমাজাতাহা	ດ ດັດດັດ ດັດ ດັດ ດັດດັດສູງ ການເປັນ ເຊິ່ງ ເປັນ ເຊິ່ງ ການເປັນ ເຊິ່ງ ເປັນ ເຊິ່ງ ເປັນ ເຊິ່ງ ເຊິ່ງ ເຊິ່
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PL CR 19.09.08 Eng Draft Date

PI RELIMINARY PL CR 1 Rev Description Eng Draft C Project LIVERPOOL HOSPITAL -HART STREET UPGRADE

Sheet Subject ROAD CROSS SECTION PLAN

Architect



PRELIMINARY

