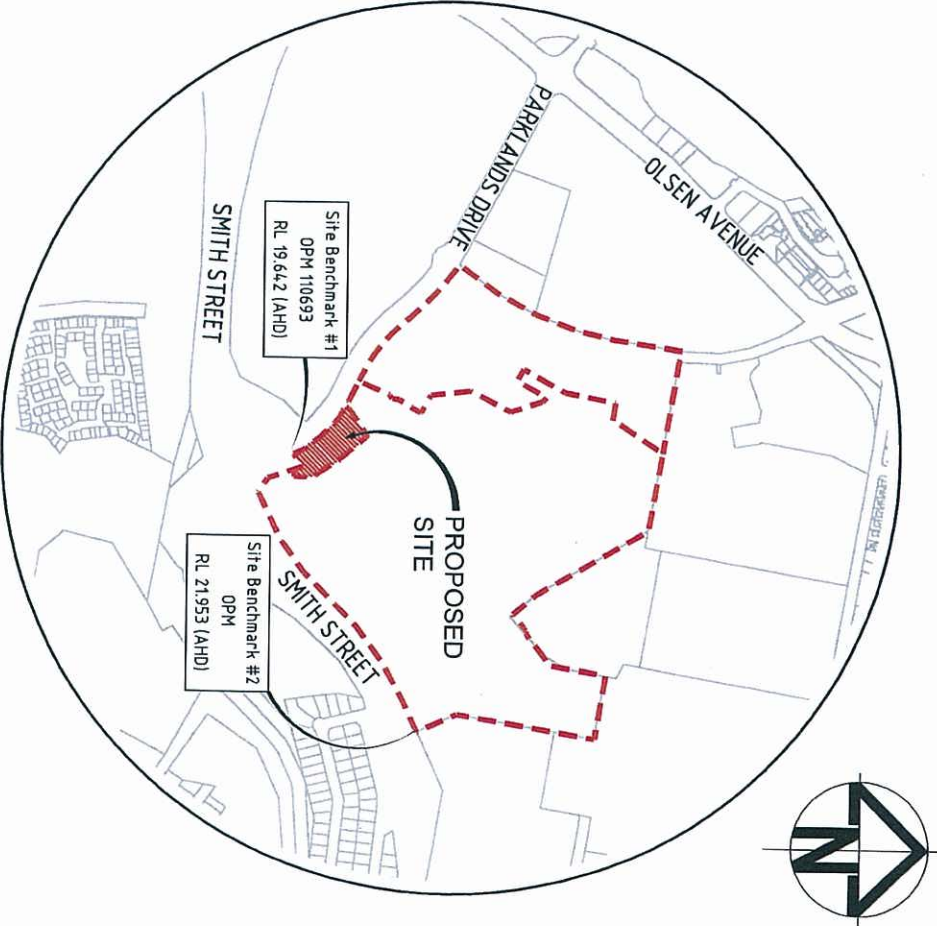


GOLD COAST PARKLANDS REDEVELOPMENT
LOT 460 ON SP222438 - CNR SMITH STREET &
PARKLANDS DRIVE, SOUTHPORT
BULK EARTHWORKS - BUS TURNAROUND

CIVIL ENGINEERING WORKS
FOR : ECONOMIC DEVELOPMENT QUEENSLAND

DWG. No.	DESCRIPTION
C500 - AA005621	DRAWING SCHEDULE & LOCALITY PLAN
C501 - AA005621	EXISTING FEATURES SURVEY PLAN
C502 - AA005621	SEDIMENT & EROSION CONTROL PLAN
C503 - AA005621	SEDIMENT & EROSION CONTROL DETAILS
C504 - AA005621	BULK EARTHWORKS CUT & FILL LAYOUT PLAN
C505 - AA005621	BULK EARTHWORKS CUT & FILL SECTIONS
C506 - AA005621	FIRST STREET ROAD LONGITUDINAL SECTION AND DETAILS



LOCALITY PLAN
SCALE N.T.S

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL
15 OCT 2013
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D1		ISSUE FOR DPW APPROVAL		BD	17/09/13	Scale	Architect	Surveyor	Client	Status	Project	Drawing No.	Project No	Issue	
P2		PRELIMINARY ISSUE		BD	06/09/13										
P1		PRELIMINARY ISSUE		BD	28/08/13										
Issue Description		Author		Date		Filename: C500-AA005621-DWGSC4.DWG		BENNETT + BENNETT Property Consultants, Surveyors & Town Planners All mail to: PO Box 5021, GCMC, QLD 9720 mab@bennettbennett.com.au Bentley Ave 4, 4102 027235 COOMERA OFFICE Coomera Shire Council PO Box 100, Coomera QLD 4224 Tel: (07) 5593 4177 Fax: (07) 5593 4242		DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING Queensland Government		FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved <i>[Signature]</i> REP. No: 8677		GOLD COAST PARKLANDS REDEVELOPMENT BULK EARTHWORKS BUS TURNAROUND Hyder	
Scale		ARCHIPELAGO		MGA ZONE 56		Original Size A1		Current Issue Signatures		DRAWING SCHEDULE & LOCALITY PLAN		500 -		AA005621 - 01	

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Drawing No.		Project No.		Issue
 HYDREX CONSULTING PTY. LTD A.B.N. 76 04 485 289 P.O. Box 100 Southport, QLD 4101 Australia Tel: +61 (0)7 5552 9353 Fax: +61 (0)7 5591 4728 www.hydrexconsulting.com				

2. SEDIMENT & EROSION CONTROL PLAN IS TO BE READ IN CONJUNCTION WITH THE EROSION CONTROL PLAN.

A key plan map showing a grid of roads. A specific area in the upper left corner is highlighted with a red hatched pattern and labeled 'SHEET 71'. The text 'KEY PLAN' is written vertically to the left of the map.

Site Benchmark #1
OPM 110693
RL 19.642 (AHD)

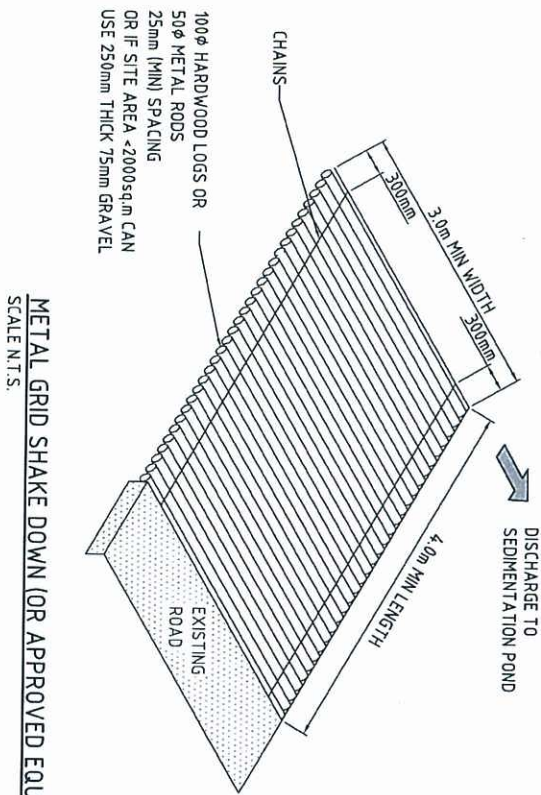
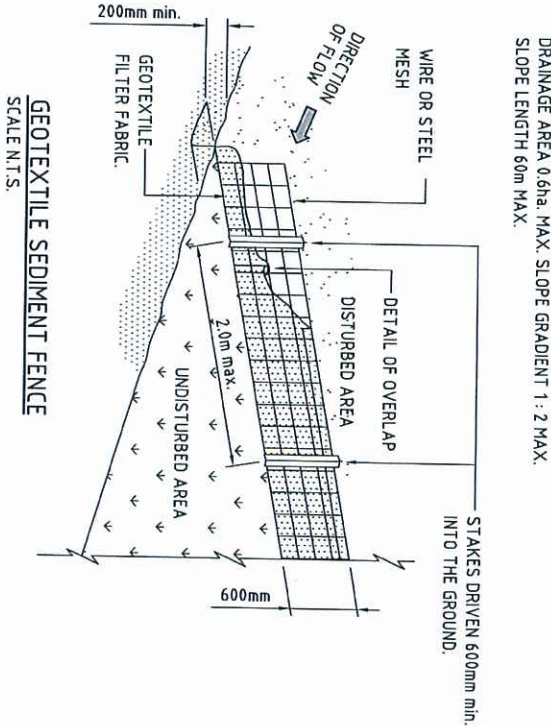
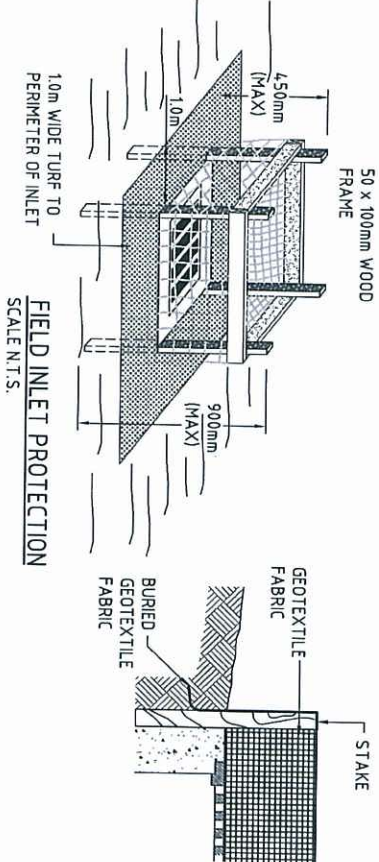
V1

SILT MANAGEMENT PROGRAM

PHASE	DESCRIPTIONS
ALL WORKS	• SILT FENCES TO BE ERECTED ALONG TOE OF FILL BATTERS OR AS DIRECTED BY SUPERINTENDENT.
SEWER/WATER STORMWATER/SERVICES	• EXCAVATED MATERIAL TO BE PLACED ON HIGH SIDE OF TRENCH IN ORDER TO PROTECT PIPE WORK AND DIRECT SURFACE FLOW AWAY FROM EXCAVATIONS.
ROADWORKS	• MEASURES ARE TO BE TAKEN TO PREVENT SILT INGRESS TO STORMWATER SYSTEM.
MAINTENANCE PERIOD	• EROSION CONTROL MEASURES ARE TO BE INSPECTED AFTER MAJOR EVENTS (> 25mm). ANY REPAIRS REQUIRED ARE TO BE EFFECTED IMMEDIATELY.

GENERAL NOTES

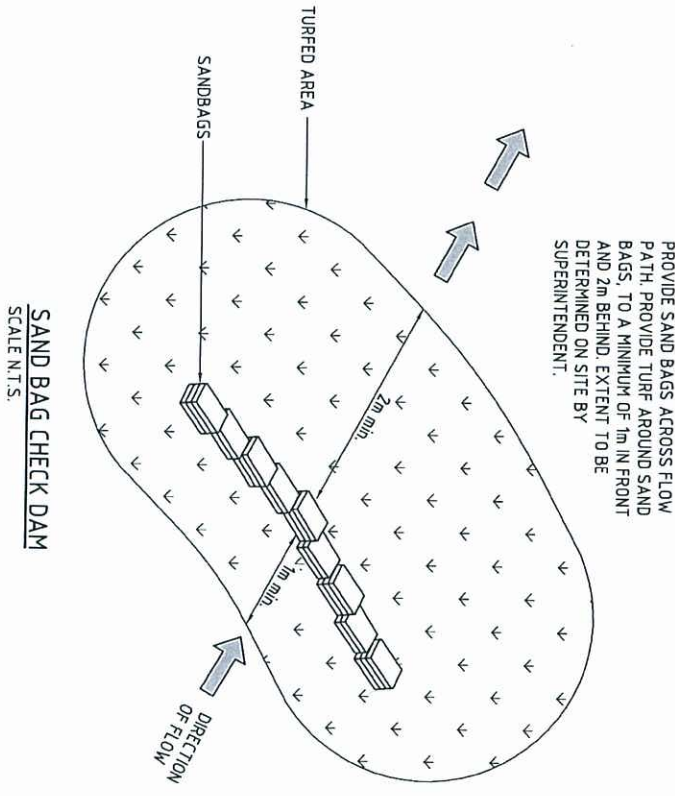
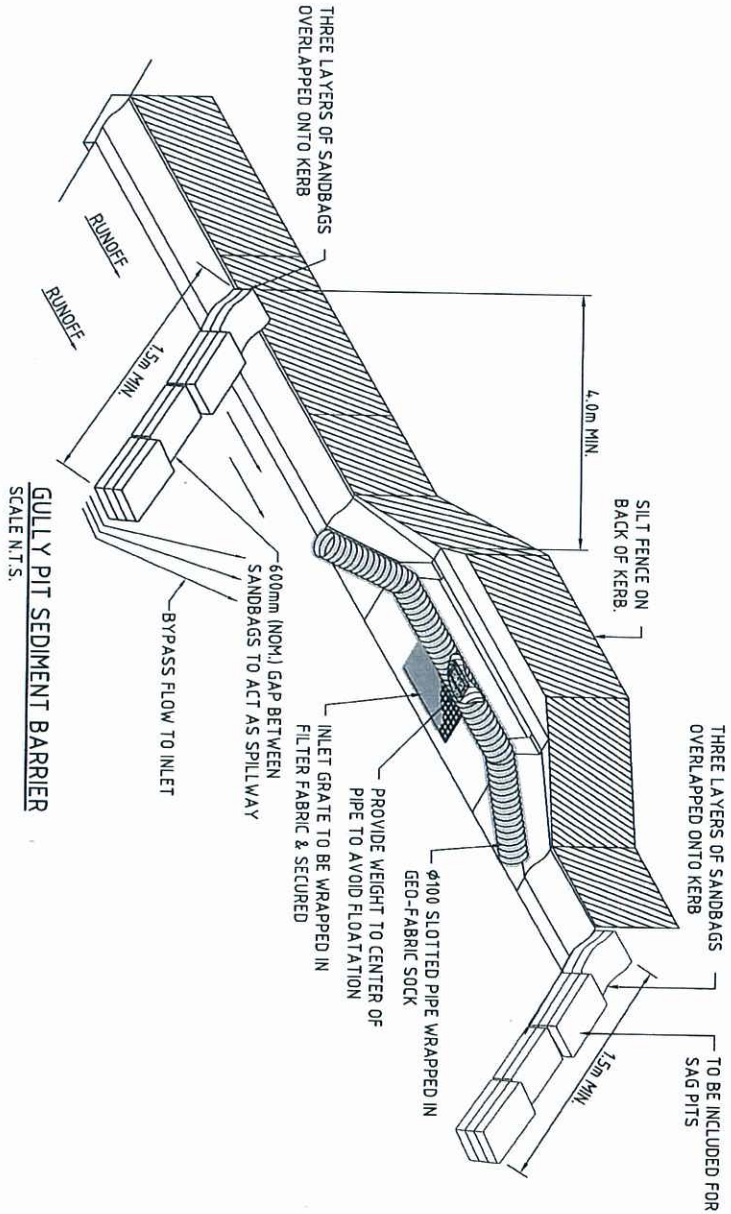
1. THE CONTRACTOR IS TO TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND DOWNSTREAM SEDIMENT ACTION DURING ALL STAGES OF CONSTRUCTION INCLUDING THE MAINTENANCE PERIOD.
2. ALL SEDIMENT CONTROL DEVICES SHALL BE MONITORED, CLEANED AND/OR REPAIRED WHENEVER THE ACCUMULATED SEDIMENT REDUCES THE CAPACITY BY 50%.
3. ALL PERIMETER BANK/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
4. THE EXTENT OF GRASSING SHALL BE DETERMINED BY THE SUPERINTENDENT AND SHALL BE SEEDED, AS SPECIFIED, WITHIN SEVEN DAYS OF FINAL TRIMMING.
5. EXTENT AND POSITION OF SILT FENCE CONTROL MEASURES TO BE DETERMINED ON SITE BY SUPERINTENDENT. MEASURES SHOWN ON THIS DRAWING ARE MINIMUM REQUIREMENTS ONLY.
6. SCOUR PROTECTION AND SILT MANAGEMENT MEASURES TO BE PROVIDED AT STORMWATER OUTLET HEADWALLS.
7. PROVISION TO BE MADE FOR DIRT/SAND REMOVAL FROM CONSTRUCTION VEHICLES PRIOR TO TRAVEL ON PUBLIC ROADS. METHOD TO BE APPROVED BY SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORK.
8. ANY SILT OR SEDIMENT CAUSED BY THE MOVEMENT OF CONSTRUCTION TRAFFIC ON EXISTING ROADS IS TO BE REMOVED DAILY.
9. THE APPLICANT SHALL IMPLEMENT EROSION AND SEDIMENT CONTROL PROCEDURES DURING CONSTRUCTION AND MAINTENANCE STAGES OF THE DEVELOPMENT AND SHALL TAKE ALL NECESSARY ACTIONS TO COMPLY WITH THE POLICY OBJECTIVES OF THE GOLD COAST CITY COUNCIL LOCAL PLANNING POLICY - EROSION AND SEDIMENT CONTROL.
10. THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE DAILY REMOVAL OF SILT FOR THE DURATION OF THE CONSTRUCTION AND MAINTENANCE PERIOD. THAT HAS BEEN BLOWN, WASHED OR TRACKED FROM THE SITE ONTO COUNCIL ROADS OR INTO COUNCIL DRAINAGE SYSTEMS, WATERCOURSES AND ANY PRIVATE PROPERTY.
11. THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE CONTROL OF DUST EMANATING FROM THE SITE AT ALL TIMES, INCLUDING ON WEEKENDS AND PUBLIC HOLIDAYS, FOR THE DURATION OF THE CONSTRUCTION AND MAINTENANCE PERIOD.
12. ALL RUBBISH, WASTE MATERIALS, OILS AND FUELS ARE TO BE CONTAINED APPROPRIATELY. OIL AND FUEL SPILLS ARE NOT TO ENTER ANY DRAINAGE SYSTEM OR WATERCOURSE.
13. THE CONTRACTOR IS TO ENSURE THAT NO SILT REACHES THE DOWNSTREAM WATER COURSE AND IS TO PROVIDE ADEQUATE PROTECTION TO PREVENT THIS OCCURRING.
14. WHERE TOPSOIL STOCKPILES ARE TO REMAIN IN PLACE FOR A PERIOD OF MORE THAN 14 DAYS, THE STOCKPILE SHALL BE GRASSSED WITH A SUITABLE QUICK STRIKING CEREAL GRASS. PROVIDE A DIVERSION DRAIN OR BUND ON THE UPHILL SIDE AND A SEDIMENT FENCE ON THE DOWNHILL SIDE OF ALL STOCKPILES.



PLANS AND DOCUMENTS referred to in the PDA APPROVAL

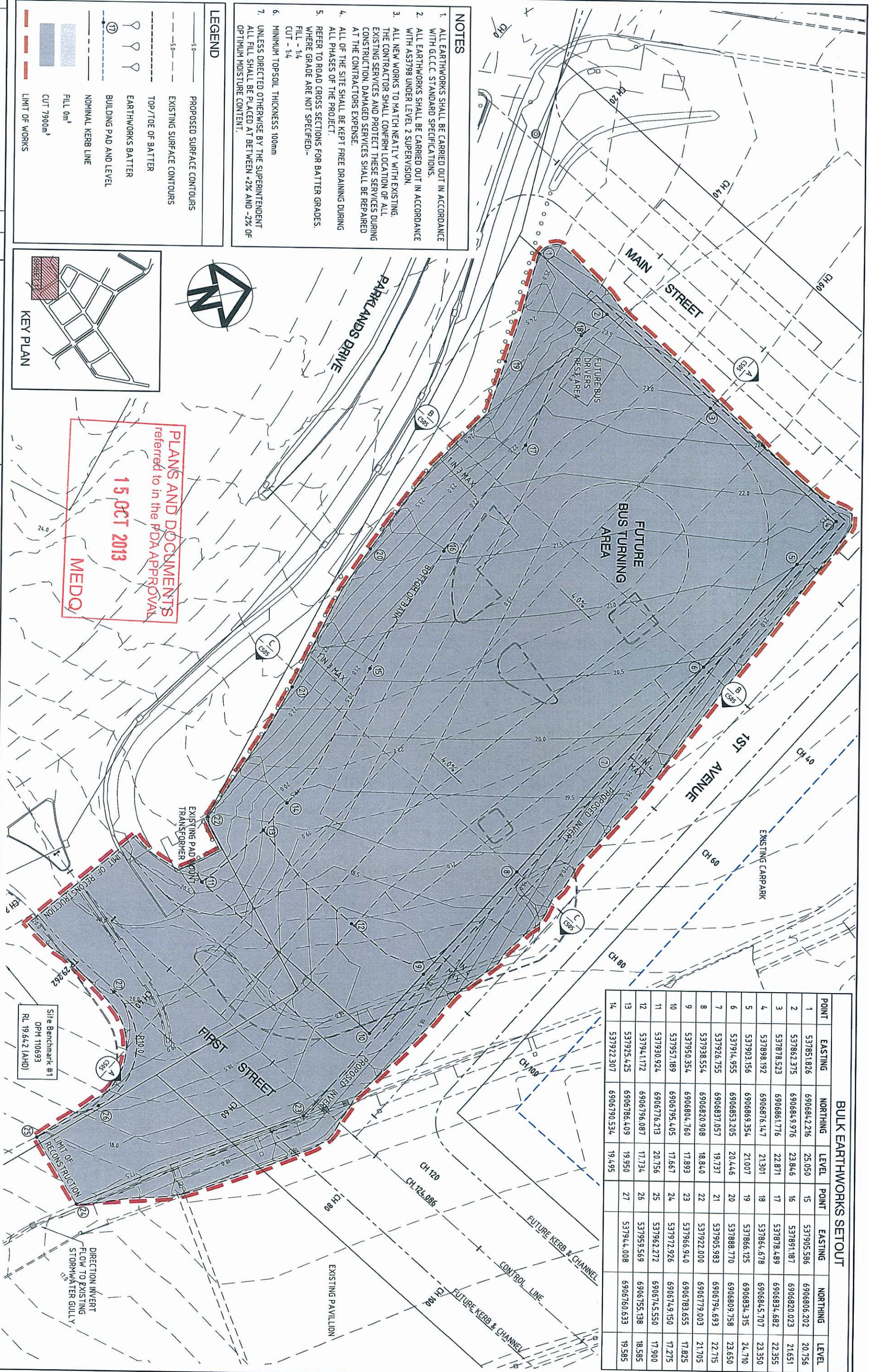
15 OCT 2013

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BULK EARTHWORKS SETOUT							
POINT	EASTING	NORTHING	LEVEL	POINT	EASTING	NORTHING	LEVEL
1	537851.826	6906842.216	25.050	15	537905.586	6906806.202	20.756
2	537862.375	6906849.976	23.846	16	537891.187	6906820.023	21.651
3	537878.523	6906861.776	22.871	17	537878.489	6906834.682	22.355
4	537898.192	6906876.147	21.301	18	537864.678	6906845.707	23.350
5	537903.156	6906869.354	21.007	19	537866.125	6906834.315	24.710
6	537914.955	6906853.205	20.446	20	537888.770	6906809.758	23.650
7	537926.755	6906837.057	19.737	21	537905.983	6906794.693	22.715
8	537938.554	6906820.908	18.840	22	537922.000	6906779.003	21.705
9	537950.354	6906804.760	17.893	23	537966.940	6906783.655	17.825
10	537957.189	6906795.405	17.667	24	537972.926	6906749.150	17.275
11	537930.924	6906776.213	20.756	25	537962.272	6906745.550	17.900
12	537941.172	6906796.087	17.734	26	537959.569	6906755.138	18.585
13	537925.425	6906786.409	19.950	27	537944.008	6906760.633	19.585
14	537922.307	6906790.534	19.495				

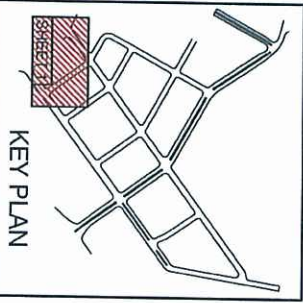


NOTES

1. ALL EARTHWORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH G.C.C.C. STANDARD SPECIFICATIONS.
2. ALL EARTHWORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH AS3798 UNDER LEVEL 2 SUPERVISION.
3. ALL NEW WORKS TO MATCH NEATLY WITH EXISTING. THE CONTRACTOR SHALL CONFIRM LOCATION OF ALL EXISTING SERVICES AND PROTECT THESE SERVICES DURING CONSTRUCTION. DAMAGED SERVICES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
4. ALL OF THE SITE SHALL BE KEPT FREE DRAINING DURING ALL PHASES OF THE PROJECT.
5. REFER TO ROAD CROSS SECTIONS FOR BATTER GRADES. WHERE GRADE ARE NOT SPECIFIED:-
FILL - 1:4
CUT - 1:4
6. MINIMUM TOPSOIL THICKNESS 100mm
7. UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT ALL FILL SHALL BE PLACED AT BETWEEN +2% AND -2% OF OPTIMUM MOISTURE CONTENT.

LEGEND

- 5.0 PROPOSED SURFACE CONTOURS
- 5.0 EXISTING SURFACE CONTOURS
- TOP / TOE OF BATTER
- EARTHWORKS BATTER
- BUILDING PAD AND LEVEL
- NOMINAL KERB LINE
- FILL 0m³
- CUT 7900m³
- LIMIT OF WORKS



PLANS AND DOCUMENTS referred to in the FDA APPROVAL
15 OCT 2013
MEDQ

Issue		Description	Author	Date	Scale		Architect		Client		Status		Project		Drawing No.		Project No.		Issue	
P1	PRELIMINARY ISSUE		BD	28/08/13	0 5 10 15 20 25m		ARCHIPELAGO		DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING		FOR APPROVAL		GOLD COAST PARKLANDS REDEVELOPMENT BULK EARTHWORKS BUS TURNAROUND		C504		AA005621		01	
P2	PRELIMINARY ISSUE		BD	06/09/13																
P3	PRELIMINARY ISSUE		BD	09/09/13																
O1	ISSUE FOR OPM APPROVAL		BD	17/09/13																

Surveyor

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Architect

ARCHIPELAGO
File name: CSM-AA005621-BULK EKS.DWG

Client

Queensland Government
DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING

Status

FOR APPROVAL
CONSTRUCTION SUBJECT TO COUNCIL APPROVAL
Approved by: *Architect* REF ID: **8677**

Project

GOLD COAST PARKLANDS REDEVELOPMENT BULK EARTHWORKS BUS TURNAROUND

Drawing No.

C504

Project No.

AA005621

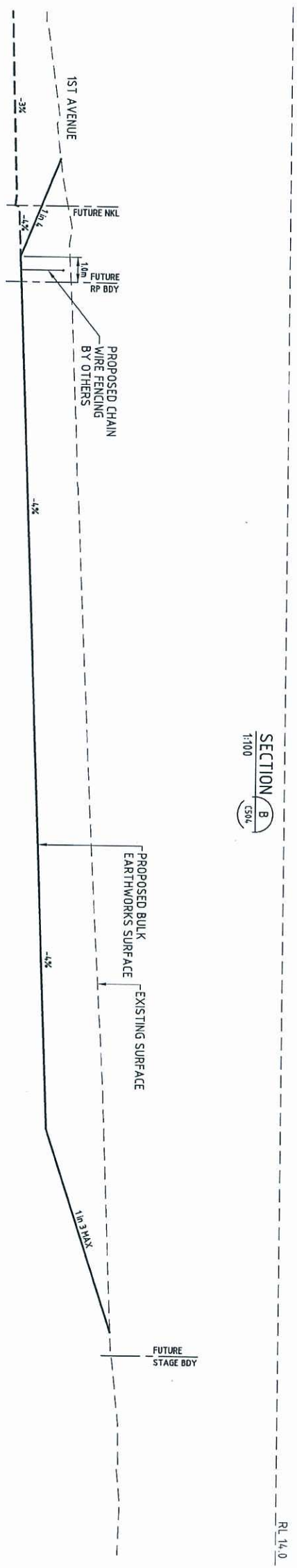
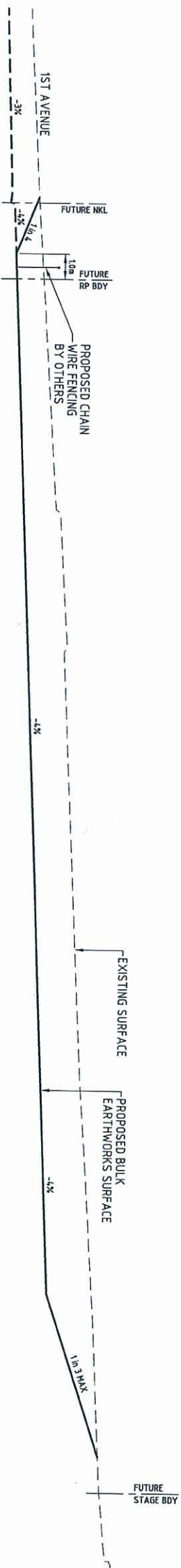
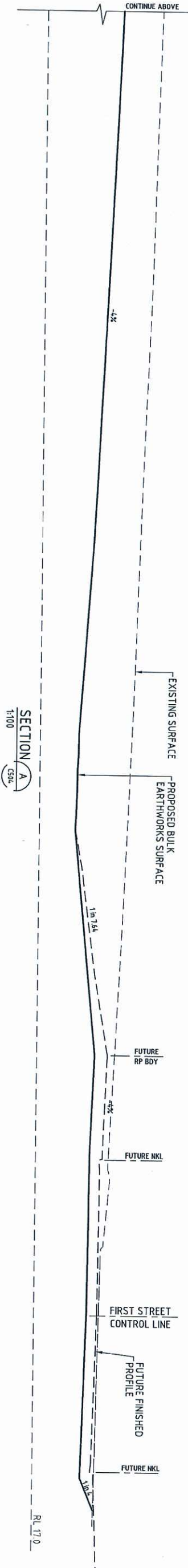
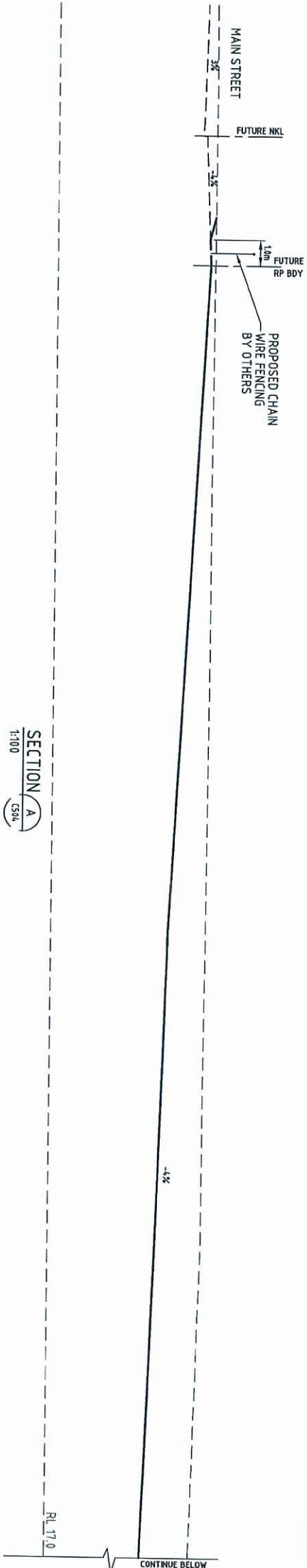
Issue

01

Hyder

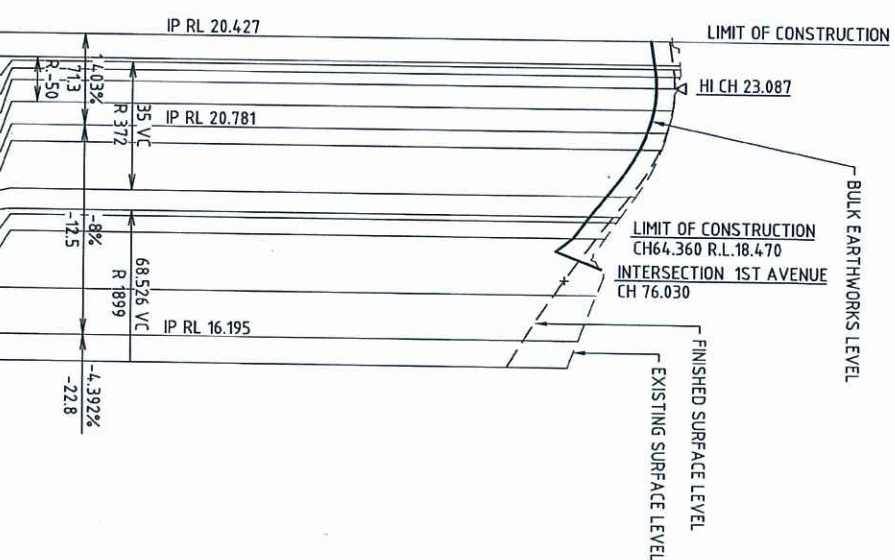
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Southport, QLD 4215
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Fax: +61 (07) 5591 4778
www.hyderconsulting.com

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL
15 OCT 2013
MEDQ

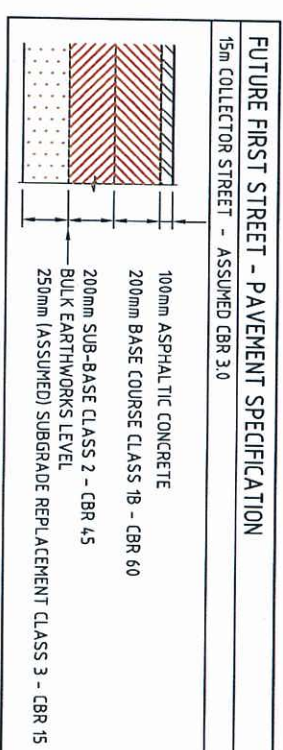
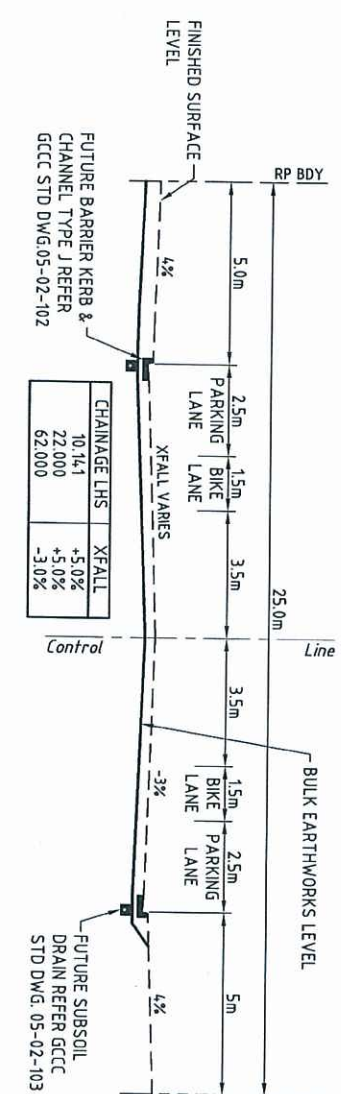


Issue		Author		Date		Scale		Architect		Client		Status		Project		Hyder	
D1 ISSUE FOR OPW APPROVAL		BD		17/07/13		0 1 2 4 6 8 10m		BENNETT • BENNETT PROPERTY CONSULTANTS, SURVEYORS & CIVIL ENGINEERS ARCHITECTS ALBION RD, PO BOX 5011, COCKLE, QLD 4720 TEL: 07 5527 4402 FAX: 07 5527 4402		Queensland GOVERNMENT DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING		FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved by <i>[Signature]</i> REP. NO. 8677		GOLD COAST PARKLANDS REDEVELOPMENT BULK EARTHWORKS BUS TURNAROUND		Hyder HYDER CONSULTING PTY. LTD ABN 76 104 485 289 P.O. Box 1053 Southport, QLD 4101 Tel: +61 (07) 5552 3933 Fax: +61 (07) 5591 4778 www.hyderconsulting.com	
D2 PRELIMINARY ISSUE		BD		09/09/13													
D3 PRELIMINARY ISSUE		BD		06/09/13													
P1 PRELIMINARY ISSUE		BD		28/08/13													
Issue Description		Author		Date		Scale		Architect		Client		Status		Project		Hyder	

CONTROL LINE SETOUT - FIRST STREET								
PT	CHAMARGE	EASTING	NORTHING	LEVEL	BEARING	RAD/SPRAL	A LENGTH	D.ANGL
IP1	0.000	537907.198	6506750.455	20.710	66°11'29.82"			
TC	16.742	537922.742	6506756.685	20.519	66°11'29.82"			
IP2	23.002	537928.585	6506759.023	20.512		-50.000	12.520	14.22°48.8'
CT	29.262	537933.666	6506762.735	20.520	53°50'40.90"			
TC	537.295	53843.862	6507062.462	14.863	55°50'40.90"			
IP3	54.3.116	538384.813	6507066.080	14.832		-15.000	11.642	44°28'10.3'
CT	54.8.937	538349.812	6507072.130	14.780	9°22'30.57"			
IP4	84.2.256	538397.593	6507361.531	14.500	9°22'30.57"			



BULK EARTHWORKS LEVELS ON ROAD CENTRELINE	FINISHED LEVELS ON ROAD CENTRELINE	EXISTING SURFACE ON ROAD CENTRELINE	CUT / FILL DEPTH	PEGGED CHAINAGE
19.927	20.427	20.492	-0.565	10.141
20.019	20.519	20.706	-0.687	16.742
20.035	20.535	20.718	-0.683	17.864
20.059	20.559	20.711	-0.652	20.000
20.072	20.572	20.696	-0.624	23.087
20.020	20.520	20.521	-0.501	29.262
19.869	20.369	20.384	-0.514	35.364
19.687	20.187	20.230	-0.542	40.000
18.881	19.381	19.536	-0.655	52.864
18.436	18.936	19.131	-0.695	58.417
18.310	18.810	19.020	-0.710	60.000
17.970	18.470			64.360
	17.332	18.484	-1.152	80.000
	16.504	17.991	-1.486	92.680
	16.065	17.707	-1.642	100.000



NOTE:
ROAD PAVEMENT LAYER DEPTHS ARE SUBJECT TO (4 DAY SOAKED) SUBGRADE CBR TESTING



		Scale 0 10 20 40 60 80 100m HORIZ 1:1000 VERT 1:100		Issue Description P1 PRELIMINARY ISSUE P2 PRELIMINARY ISSUE P3 PRELIMINARY ISSUE Issue Description Author Date	
Surveyor BENNETT+BENNETT Property Consultants, Surveyors & Town Planners Attn: Mr. P.O. Box 60211, GOMAL, QLD 4720 Phone: (07) 5597 4877 Fax: (07) 5597 4142 EMAIL: info@bennettbennett.com.au		Architect ARCHELAGO File Name: C506-AA005621- RD L SECTIONS.DWG		Client  Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING	
Status FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved  R.E.P.D No 8677 Scales 1:1000 (HORZ) & 1:100 (VERT) Current Issue Signatures Author: ☐ B.K.A.Y.E.Y Designer: ☐ T.D.N.G.L.E Reviewer: ☐ T.S.R.E.S.I.E.R.F Height Datum: ☒ Copyright reserved Grid MGA ZONE 56		Project GOLD COAST PARKLANDS REDEVELOPMENT BULK EARTHWORKS BUS TURNAROUND Title FIRST STREET ROAD LONGITUDINAL SECTION AND DETAILS		 Hyder Australia HYDER CONSULTING PTY. LTD ABN 76 104 485 289 P.O. Box 1053 Southport, QLD 4101 Australia Tel: +61 (07) 5592 3833 Fax: +61 (07) 5591 4778 www.hyderconsulting.com Drawing No. C506 — Project No. AA005621 — Issue 01	