

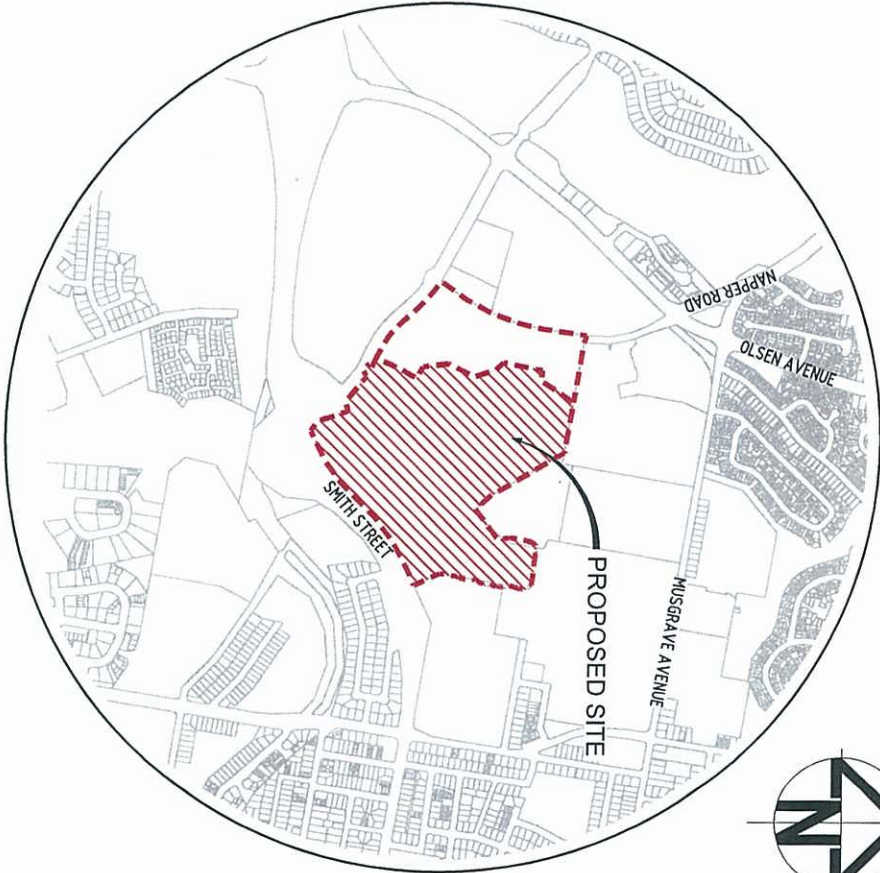
GOLD COAST PARKLANDS REDEVELOPMENT LOT 460 ON SP222438 - CNR SMITH STREET & PARKLANDS DRIVE, SOUTHPORT

TRUNK INFRASTRUCTURE TRAFFIC SIGNAL WORKS FOR : ECONOMIC DEVELOPMENT QUEENSLAND

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL
16 JAN 2014
MEDQ

DRAWING SCHEDULE

DWG. No.	DESCRIPTION
T100 -AA005621	DRAWING SCHEDULE & LOCALITY PLAN
T101 -AA005621	TRAFFIC SIGNALS MAIN ST INT WITH HOSPITAL BLVD
T102 -AA005621	TRAFFIC SIGNAL PITS AND CONDUITS MAIN ST INT WITH HOSPITAL BLVD
T103 -AA005621	TRAFFIC SIGNALS PARKLAND DR INT ENGINEERING DR
T104 -AA005621	TRAFFIC SIGNAL PITS AND CONDUIT PARKLAND DR INT WITH ENGINEERING DR
T105 -AA005621	TRAFFIC SIGNAL PITS AND CONDUIT SMITH ST INT WITH HOSPITAL BLVD



LOCALITY PLAN
SCALE 1:10000

01 ISSUED FOR PDA APPROVAL		DR 14/10/2013	Author	Date	Scale 0 100 200 400 600 800 1000m 1 : 10000		Supervisor BENNETT + BENNETT Planning Consultants, Surveyors & Town Planners All mail to: PO Box 5021, QLD, 9726 Phone: 07 5591 4778 Fax: 07 5591 4778 Email: info@bennett.com.au COSMOS 3.0000 Project: 100-AA005621-DWGSCD-WG Drawing: 01		Client Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING		Status FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved: [Signature] RE PDA No. 9350 Scales AS SHOWN Original Size A1 Height MGA ZONE 56 Datum AHD Copyright reserved 14/Oct/2013 9:55 AM		Project GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE Title TRAFFIC SIGNAL DRAWING SCHEDULE AND LOCALITY PLAN		Hyder HYDER CONSULTING PTY. LTD ABN 76 104 485 282 P O Box 1653 Southport, QLD 4101 Australia Tel: +61 (07) 5592 3833 Fax: +61 (07) 5591 4778 www.hyderconsulting.com	
Issue Description		Author		Date		Filename		Drawing No.		Project No.		Issue				
T100		AA005621		01												

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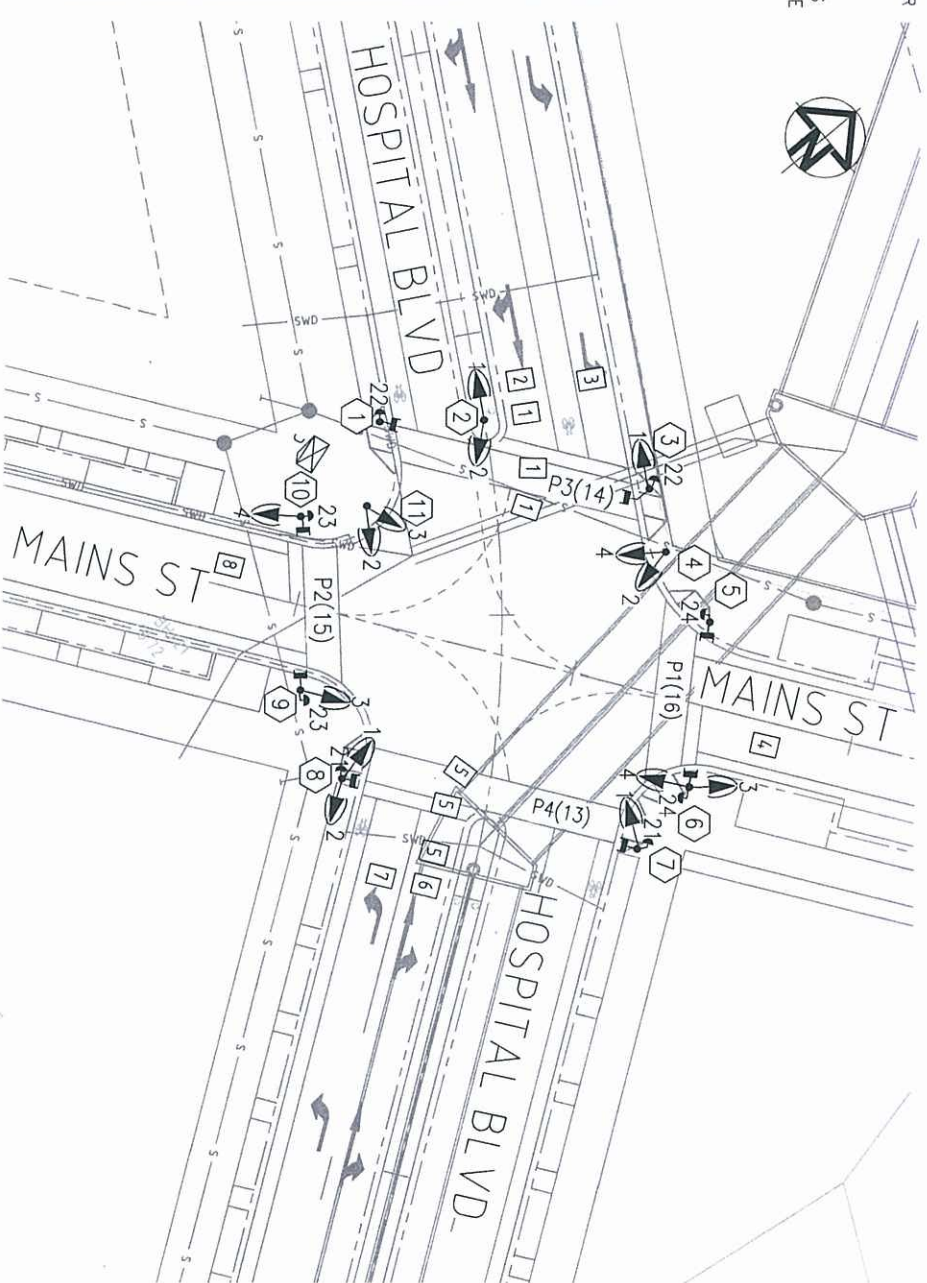
NOTES:

1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH THIS DRAWING, TRANSPORT MAIN ROADS (TMR) STANDARD DRAWINGS/SPECIFICATIONS AND GOLD COAST CITY COUNCIL (GCCC) DOCUMENT "SUPPLEMENTARY SPECIFICATIONS NOTICE TO DESIGNERS/CONSTRUCTORS/GCCC PROJECT OFFERS" VERSION 16 DATE 09/11/2012
2. ALL ELECTRICAL WORKS TO COMPLY WITH AS3000. TEST ALL ELECTRICAL WORKS IN ACCORDANCE WITH AS3000 AND PROVIDE TEST RESULT AND SIGNED CERTIFICATE CERTIFICATE UPON COMPLETION TO PRINCIPAL.
3. TRAFFIC SIGNAL CONTROLLER PERSONALITY TO BE CONFIGURED BY GCCC. CONTRACTOR TO CONTACT AND ORGANISE WITH GCCC TRAFFIC SIGNAL OFFICER WITH AT LEAST 6 WEEKS NOTICE
4. CONTRACTOR TO ENGAGE GCCC FOR PRE-COMMISSIONING WITH AT LEAST 7 DAYS NOTICE.
5. ELECTRICAL CONTRACTOR TO MEASURE FAULT LOOP IMPEDANCE AT ALL PARTS OF THE ELECTRICAL INSTALLATION AND CERTIFY COMPLIANCE TO AS3000. THE ELECTRICAL CONTRACTOR SHALL CONTACT THE DESIGN CONSULTANT AND WAIT FURTHER INSTRUCTION IF THEY BELIEVE A NON-COMPLIANCE EXIST.
6. REFER DWG T102-AA005621 FOR TRAFFIC SIGNAL POWER/COMMUNICATIONS SUPPLY INFORMATION

TRAFFIC SIGNAL POST/FOOTING SCHEDULE

TRAFFIC SIGNAL POST/FOOTING NO.	EASTINGS	NORTHINGS	COMMENT
1	538107.817	6907060.624	NEW POST/FOOTING
2	538112.389	6907066.294	NEW POST/FOOTING
3	538123.563	6907072.041	NEW POST/FOOTING
4	538127.756	6907070.112	NEW POST/FOOTING
5	538133.530	6907069.327	NEW POST/FOOTING
6	538141.475	6907060.917	NEW POST/FOOTING
7	538142.478	6907055.366	NEW POST/FOOTING
8	538125.469	6907042.659	NEW POST/FOOTING
9	538118.822	6907044.343	NEW POST/FOOTING
10	538109.448	6907052.093	NEW POST/FOOTING
11	538111.841	6907056.128	NEW POST/FOOTING

BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION MUST BE PROVEN ON SITE PRIOR TO STARTING WORKS. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN



PLANS AND DOCUMENTS referred to in the PDA APPROVAL

16 JAN 2014

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LEGEND

 Traffic signal controller

 Traffic signal post number

 4 aspect LED lantern

 6 aspect LED lantern

 Pedestrian LED lantern

 Audio-tactile push button

 Rectangular loop detector

Signal Groups		Run 1		Run 2	
Function	Controller Terminals	Connections		Connections	
		Certs	Certs	Certs	Certs
1	Red	A5	1	1	1
	Yellow	A4	2	2	2
	Green	A3	3	3	3
	Red	A8	4	4	4

Note: The diagram shows a 4x4 grid of circles representing signal groups. The top row is labeled 'Run 1' and the bottom row is labeled 'Run 2'. The left column is labeled 'Certs Used' and the right column is labeled 'Certs Used'. The middle two columns are labeled 'Connections'.

CONFLICT TABLE (X INDICATES CONFLICT)

[illegible]DETECTOR TABLE[illegible][illegible][illegible]

PIT SCHEDULE

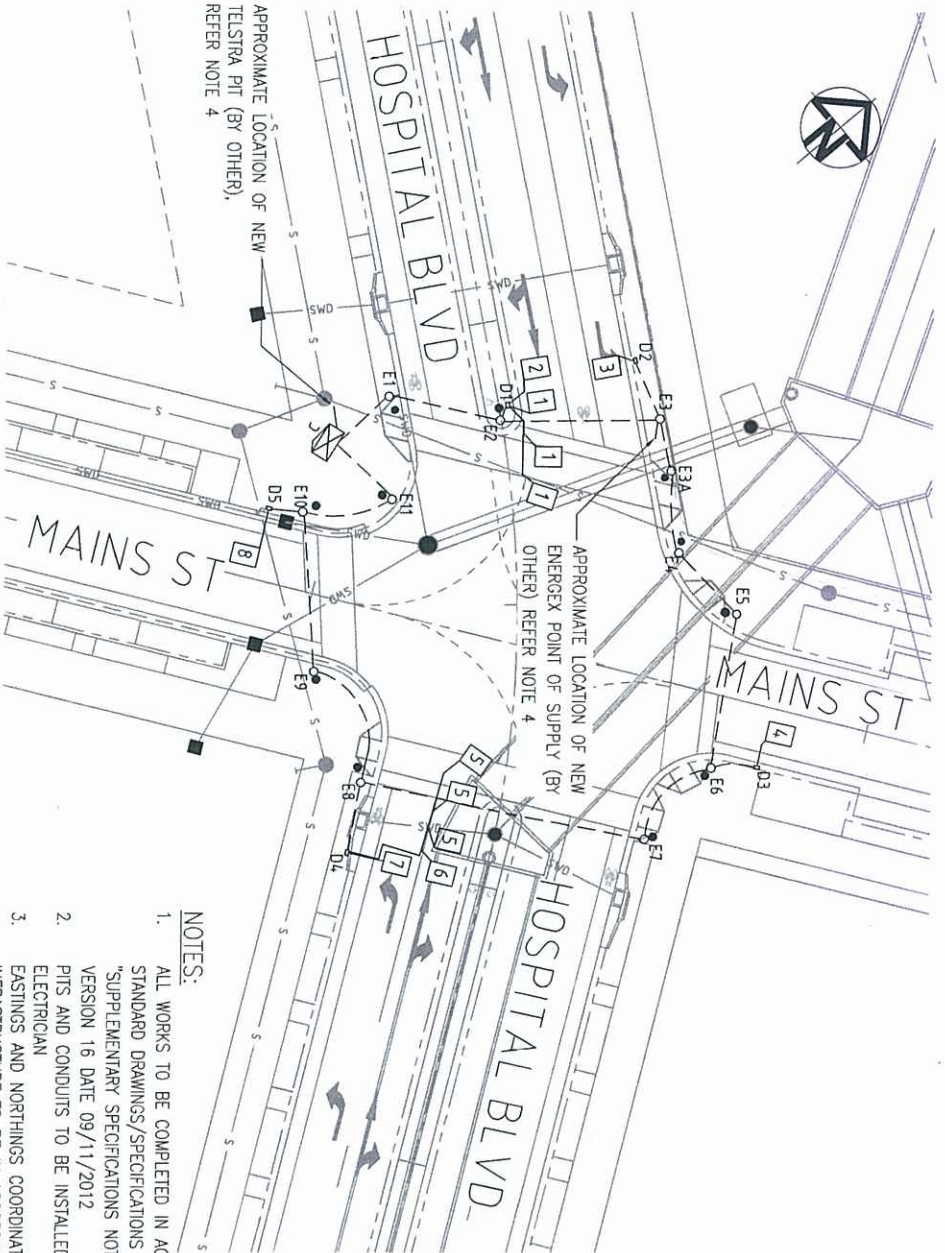
TRAFFIC SIGNAL PIT NO.	EASTINGS	NORTHINGS	COMMENT
E1	538106.824	6907060.917	NEW ELEC PIT
E2	538113.108	6907065.809	NEW ELEC PIT
E3	538120.177	6907074.428	NEW ELEC PIT
E3A	538123.508	6907072.719	NEW ELEC PIT
E4	538128.268	6907069.473	NEW ELEC PIT
E5	538134.155	6907069.853	NEW ELEC PIT
E6	538141.345	6907061.594	NEW ELEC PIT
E7	538142.216	6907054.806	NEW ELEC PIT
E8	538126.438	6907042.148	NEW ELEC PIT
E9	538118.305	6907044.589	NEW ELEC PIT
E10	538109.209	6907051.109	NEW ELEC PIT
E11	538112.536	6907056.459	NEW ELEC PIT
D1	538112.624	6907066.885	NEW DETECTOR PIT
D2	538115.908	6907075.738	NEW DETECTOR PIT
D3	538143.370	6907064.056	NEW DETECTOR PIT
D4	538129.632	6907038.286	NEW DETECTOR PIT
D5	538107.491	538107.491	NEW DETECTOR PIT

TRAFFIC SIGNAL SYMBOL LEGEND

- 3 Traffic signal post/footing number
- Traffic signal Post/footing
- Under ground traffic signal conduit, refer schedule for size and type
- Circular pit to TMR requirements (TMR standard drawings 1415, 1416, 1417-1 and 1417-2)
- Detector pit TYPE 4 to TMR requirements

CONDUIT SCHEDULE

FROM	TO	TYPE	NUMBER/SIZE	COMMENT
E1	E2	ELEC HD	2 X 100mm	NEW CONDUIT
E2	E3	ELEC HD	2 X 100mm	NEW CONDUIT
E3	E3A	ELEC HD	2 X 100mm	NEW CONDUIT
E3A	E4	ELEC HD	2 X 100mm	NEW CONDUIT
E4	E5	ELEC HD	2 X 100mm	NEW CONDUIT
E5	E6	ELEC HD	2 X 100mm	NEW CONDUIT
E6	E7	ELEC HD	2 X 100mm	NEW CONDUIT
E7	E8	ELEC HD	2 X 100mm	NEW CONDUIT
E8	E9	ELEC HD	2 X 100mm	NEW CONDUIT
E9	E10	ELEC HD	2 X 100mm	NEW CONDUIT
E10	E11	ELEC HD	2 X 100mm	NEW CONDUIT
E11	CONTROLLER	ELEC HD	2 X 100mm	NEW CONDUIT
CONTROLLER	E1	ELEC HD	2 X 100mm	NEW CONDUIT



APPROXIMATE LOCATION OF NEW
TELSTRA PIT (BY OTHER),
REFER NOTE 4

APPROXIMATE LOCATION OF NEW
ENERGY POINT OF SUPPLY (BY
OTHER) REFER NOTE 4

NOTES:

- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH THIS DRAWING, TRANSPORT MAIN ROADS (TMR) STANDARD DRAWINGS/SPECIFICATIONS AND GOLD COAST CITY COUNCIL (GCCO) DOCUMENT "SUPPLEMENTARY SPECIFICATIONS NOTICE TO DESIGNERS/CONSTRUCTORS/GCCC PROJECT OFFERS" VERSION 16 DATE 09/11/2012
- PITS AND CONDUITS TO BE INSTALLED BY (OR UNDER DIRECT SUPERVISION) OF A LICENSED ELECTRICIAN
- EASTINGS AND NORTHINGS COORDINATES ARE GIVEN FOR INFORMATION ONLY. FINAL LOCATIONS OF INFRASTRUCTURE TO BE IN ACCORDANCE WITH BCC STANDARD DRAWINGS AND TO SUIT SITE CONDUITS. SUPPLY AUTHORITY POWER AND COMMUNICATIONS IS TO BE DESIGNED BY OTHER. TRAFFIC SIGNAL CONTRACTOR TO ALLOW TO PROVIDE 50mm HD ELECTRICAL CONDUIT BETWEEN INDICATIVE POINT OF SUPPLY - TRAFFIC SIGNAL CONDUIT BACKBONE AND 16MM 2C XLPE/PVC ELECTRICAL MAINS CABLING BETWEEN POINT OF SUPPLY - TRAFFIC SIGNAL CONTROLLER. TRAFFIC SIGNAL CONTRACTOR ALSO TO ALLOW FOR 50mm HD COMMUNICATIONS CONDUIT (AND COMMUNICATIONS CABLING) TO RUN FROM INDICATIVE COMMUNICATIONS CONNECTION POINT - TRAFFIC SIGNAL CONTROLLER. IF ELECTRICAL OR COMMUNICATIONS POINTS OF SUPPLY VARY FROM INDICATIVE LOCATIONS SHOWN, CONTACT DESIGNER AND AWAIT FURTHER INSTRUCTION.
- PROVIDE 1X50mm HD ELECTRICAL CONDUIT BETWEEN DETECTOR PIT AND ELECTRICAL PIT (NOT SHOWN IN CONDUIT SCHEDULE).
- SUPPLY AND INSTALL NEW TRAFFIC SIGNAL CONTROLLER IN ACCORDANCE WITH TMR STANDARD DRAWING 1423 INCLUDING CONCRETE PAD, ELECTRICAL PIT, COMMS PIT AND EARTH PIT (NOT SHOWN)

PLANS AND DOCUMENTS
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16 JAN 2014
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MUST BE PROVEN ON SITE PRIOR TO STARTING
WORKS. NO GUARANTEE IS GIVEN THAT ALL EXISTING
SERVICES ARE SHOWN



Issue Description		Author	Date	Scale	1 : 250	Architect	Supervisor	Client	Status	Project	Hyder
01 ISSUED FOR PDA APPROVAL		DR	14/10/2013	0 5 10 15 20 25m			BENNETT + BENNETT Property Consultants, Surveyors & Town Planners At mail to: PO Box 5021, GCMC, QLD 9726 Mobile: 08 4231 5555 Fax: 08 4231 4444	Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING	FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved: [Signature] Rep'd No: 930	GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE	Hyder HYDER CONSULTING PTY. LTD ABN 76 104 466 289 P O Box 1683 Southport QLD 4101 Australia Tel: +61 (07) 5532 3833 Fax: +61 (07) 5591 4778 www.hyderconsulting.com
Issue Description		Author	Date				ARCHIPELAGO COMMERCIAL OFFICE 25/26-28/29-31/32-33/34-35/36-37/38-39/40-41/42-43/44-45/46-47/48-49/50-51/52-53/54-55/56-57/58-59/60-61/62-63/64-65/66-67/68-69/70-71/72-73/74-75/76-77/78-79/80-81/82-83/84-85/86-87/88-89/90-91/92-93/94-95/96-97/98-99/100-101/102-103/104-105/106-107/108-109/110-111/112-113/114-115/116-117/118-119/120-121/122-123/124-125/126-127/128-129/130-131/132-133/134-135/136-137/138-139/140-141/142-143/144-145/146-147/148-149/150-151/152-153/154-155/156-157/158-159/160-161/162-163/164-165/166-167/168-169/170-171/172-173/174-175/176-177/178-179/180-181/182-183/184-185/186-187/188-189/190-191/192-193/194-195/196-197/198-199/200-201/202-203/204-205/206-207/208-209/210-211/212-213/214-215/216-217/218-219/220-221/222-223/224-225/226-227/228-229/230-231/232-233/234-235/236-237/238-239/240-241/242-243/244-245/246-247/248-249/250-251/252-253/254-255/256-257/258-259/260-261/262-263/264-265/266-267/268-269/270-271/272-273/274-275/276-277/278-279/280-281/282-283/284-285/286-287/288-289/290-291/292-293/294-295/296-297/298-299/300-301/302-303/304-305/306-307/308-309/310-311/312-313/314-315/316-317/318-319/320-321/322-323/324-325/326-327/328-329/330-331/332-333/334-335/336-337/338-339/340-341/342-343/344-345/346-347/348-349/350-351/352-353/354-355/356-357/358-359/360-361/362-363/364-365/366-367/368-369/370-371/372-373/374-375/376-377/378-379/380-381/382-383/384-385/386-387/388-389/390-391/392-393/394-395/396-397/398-399/400-401/402-403/404-405/406-407/408-409/410-411/412-413/414-415/416-417/418-419/420-421/422-423/424-425/426-427/428-429/430-431/432-433/434-435/436-437/438-439/440-441/442-443/444-445/446-447/448-449/450-451/452-453/454-455/456-457/458-459/460-461/462-463/464-465/466-467/468-469/470-471/472-473/474-475/476-477/478-479/480-481/482-483/484-485/486-487/488-489/490-491/492-493/494-495/496-497/498-499/500-501/502-503/504-505/506-507/508-509/510-511/512-513/514-515/516-517/518-519/520-521/522-523/524-525/526-527/528-529/530-531/532-533/534-535/536-537/538-539/540-541/542-543/544-545/546-547/548-549/550-551/552-553/554-555/556-557/558-559/560-561/562-563/564-565/566-567/568-569/570-571/572-573/574-575/576-577/578-579/580-581/582-583/584-585/586-587/588-589/590-591/592-593/594-595/596-597/598-599/600-601/602-603/604-605/606-607/608-609/610-611/612-613/614-615/616-617/618-619/620-621/622-623/624-625/626-627/628-629/630-631/632-633/634-635/636-637/638-639/640-641/642-643/644-645/646-647/648-649/650-651/652-653/654-655/656-657/658-659/660-661/662-663/664-665/666-667/668-669/670-671/672-673/674-675/676-677/678-679/680-681/682-683/684-685/686-687/688-689/690-691/692-693/694-695/696-697/698-699/700-701/702-703/704-705/706-707/708-709/710-711/712-713/714-715/716-717/718-719/720-721/722-723/724-725/726-727/728-729/730-731/732-733/734-735/736-737/738-739/740-741/742-743/744-745/746-747/748-749/750-751/752-753/754-755/756-757/758-759/760-761/762-763/764-765/766-767/768-769/770-771/772-773/774-775/776-777/778-779/780-781/782-783/784-785/786-787/788-789/790-791/792-793/794-795/796-797/798-799/800-801/802-803/804-805/806-807/808-809/810-811/812-813/814-815/816-817/818-819/820-821/822-823/824-825/826-827/828-829/830-831/832-833/834-835/836-837/838-839/840-841/842-843/844-845/846-847/848-849/850-851/852-853/854-855/856-857/858-859/860-861/862-863/864-865/866-867/868-869/870-871/872-873/874-875/876-877/878-879/880-881/882-883/884-885/886-887/888-889/890-891/892-893/894-895/896-897/898-899/900-901/902-903/904-905/906-907/908-909/910-911/912-913/914-915/916-917/918-919/920-921/922-923/924-925/926-927/928-929/930-931/932-933/934-935/936-937/938-939/940-941/942-943/944-945/946-947/948-949/950-951/952-953/954-955/956-957/958-959/960-961/962-963/964-965/966-967/968-969/970-971/972-973/974-975/976-977/978-979/980-981/982-983/984-985/986-987/988-989/990-991/992-993/994-995/996-997/998-999/1000-1001/1002-1003/1004-1005/1006-1007/1008-1009/1010-1011/1012-1013/1014-1015/1016-1017/1018-1019/1020-1021/1022-1023/1024-1025/1026-1027/1028-1029/1030-1031/1032-1033/1034-1035/1036-1037/1038-1039/1040-1041/1042-1043/1044-1045/1046-1047/1048-1049/1050-1051/1052-1053/1054-1055/1056-1057/1058-1059/1060-1061/1062-1063/1064-1065/1066-1067/1068-1069/1070-1071/1072-1073/1074-1075/1076-1077/1078-1079/1080-1081/1082-1083/1084-1085/1086-1087/1088-1089/1090-1091/1092-1093/1094-1095/1096-1097/1098-1099/1100-1101/1102-1103/1104-1105/1106-1107/1108-1109/1110-1111/1112-1113/1114-1115/1116-1117/1118-1119/1120-1121/1122-1123/1124-1125/1126-1127/1128-1129/1130-1131/1132-1133/1134-1135/1136-1137/1138-1139/1140-1141/1142-1143/1144-1145/1146-1147/1148-1149/1150-1151/1152-1153/1154-1155/1156-1157/1158-1159/1160-1161/1162-1163/1164-1165/1166-1167/1168-1169/1170-1171/1172-1173/1174-1175/1176-1177/1178-1179/1180-1181/1182-1183/1184-1185/1186-1187/1188-1189/1190-1191/1192-1193/1194-1195/1196-1197/1198-1199/1200-1201/1202-1203/1204-1205/1206-1207/1208-1209/1210-1211/1212-1213/1214-1215/1216-1217/1218-1219/1220-1221/1222-1223/1224-1225/1226-1227/1228-1229/1230-1231/1232-1233/1234-1235/1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PHASE DIAGRAMS	
A Phase 	B Phase
C Phase 	D Phase
D1 Phase 	D2 Phase
E Phase (LVR) 	

Special Conditions	IN SC10 AND/OR SC11 IN A PHASE P05 RED FOR SPECIAL, PURPOSE, TIMESHED SC10 AND/OR SC11 IN A PHASE SC10/SC11 ACTUATED AND DEMAND S06 RED FOR SPECIAL, PURPOSE, TIMESHED NO.9 IF P04 DEMANDED, ELSE OFF SFT NO.9 = 8 SECS IF CONTROLLER RESTING IN A PHASE, P03 AND P05 CAN REINTRODUCED IN A PHASE (CONDITION, ON LRV DEMAND) ALSO P03 AND P05 CALLS A PHASE ONLY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Special Conditions

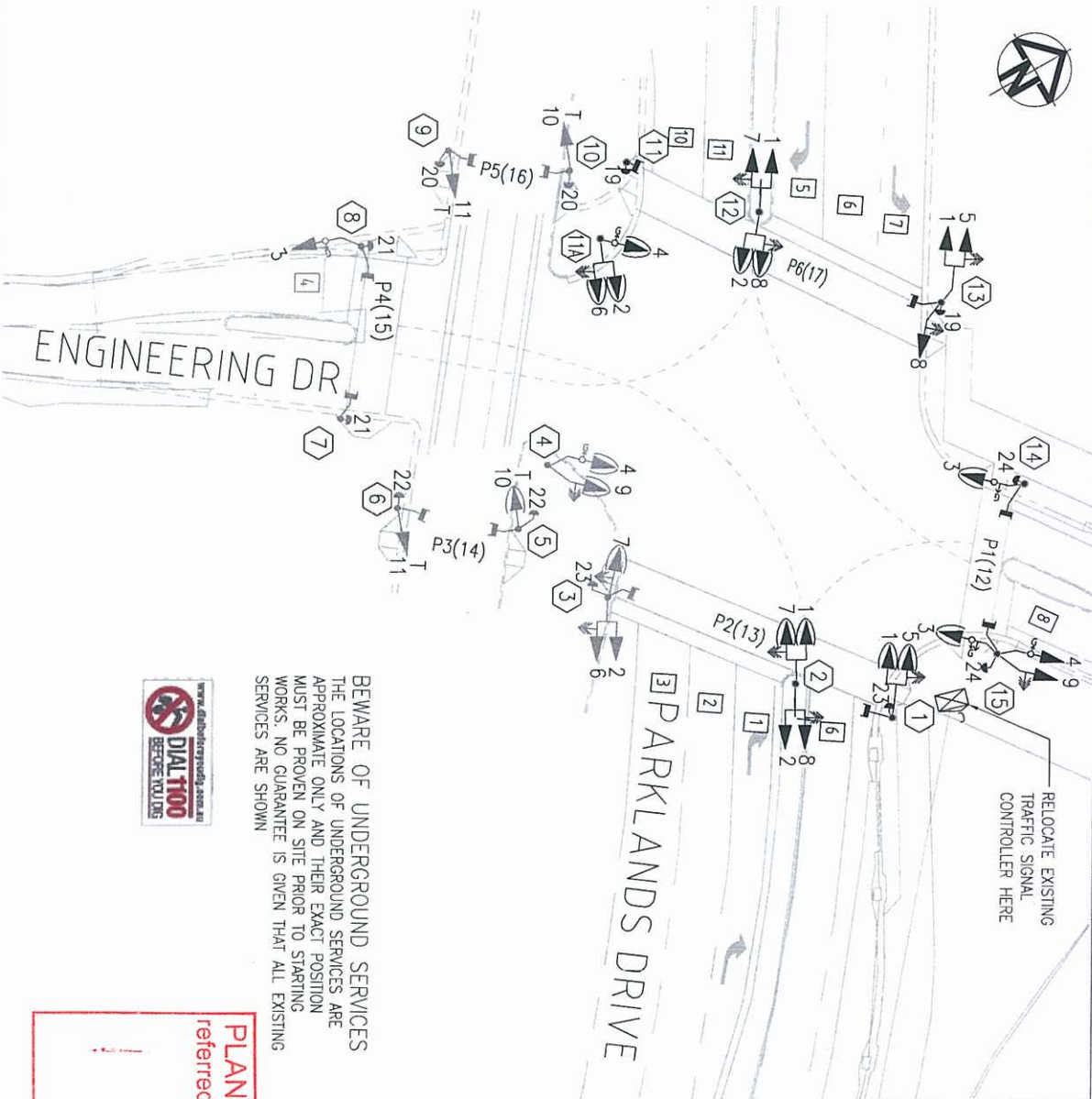
PG3 CONDITIONAL ON SG10 AND/OR SG11 IN A PHASE
PG5 CONDITIONAL ON SG10 AND/OR SG11 IN A PHASE
SG6 CONDITIONAL ON SG10 AND/OR SG11 IN A PHASE
SG10/SG11 ACTIVATED ON LVR DEMAND
SG6 RED FOR SPECIAL PURPOSE TIMESTESTING
DEMAND, ELSE OFF
SPT No.9 = 8 SECS
IF CONTROLLER RESTING IN A PHASE, PG3 AND PG5 CAN REINTRODUCED IN A PHASE (CONDITIONAL ON LVR DEMAND)
ALSO PG5 AND PG3 ONLY A PHASE ONLY

NORMAL PHASE SEQUENCE: A, B, C AND D, (D1), (D2)

- NOTES:
- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH THIS DRAWING, TRANSPORT MAIN ROADS (TMR) STANDARD DRAWINGS/SPECIFICATIONS AND GOLD COAST CITY COUNCIL (GCCC) DOCUMENT "SUPPLEMENTARY SPECIFICATIONS NOTICE TO DESIGNERS/CONSTRUCTORS/GCCG PROJECT OFFERS" VERSION 16 DATE 09/11/2012
 - ALL ELECTRICAL WORKS TO COMPLY WITH AS3000. TEST ALL ELECTRICAL WORKS IN ACCORDANCE WITH AS3000 AND PROVIDE TEST RESULT AND SIGNED CERTIFICATION CERTIFICATE UPON COMPLETION TO PRINCIPAL.
 - EXISTING TRAFFIC SIGNAL CONTROLLER PERSONNEL TO BE CONFIRMED ON-SITE. ELECTRICAL CONTRACTOR TO MEASURE FAULT LOOP IMPEDANCE AT ALL PARTS OF THE ELECTRICAL INSTALLATION AND CERTIFY COMPLIANCE TO AS3000. THE ELECTRICAL CONTRACTOR SHALL CONTACT THE DESIGN CONSULTANT AND WAIT FURTHER INSTRUCTION IF THEY BELIEVE A NON-COMPLIANCE EXIST.
 - TRAFFIC SIGNAL INFRASTRUCTURE SHOWN IN GREY IS EXISTING AND IS BASED ON EXISTING DRAWINGS. TRAFFIC SIGNAL CONTRACTOR TO VERIFY.
 - REMOVE DUAL LANTERN (SIGNAL GROUP 2 AND 6) FROM EXISTING SIGNAL POST 10 AND RE-INSTALL ON NEW SIGNAL POST 11A
 - TRAFFIC SIGNAL PHASING HAS BEEN REPRODUCED FROM EXISTING GOLD COAST RAPID TRANSIT EXISTING DRAWINGS (TMR DRAWING NUMBER 592283).
 - EXISTING TRAFFIC SIGNAL CORE CABLING WAS NOT PROVIDED AT TIME OF DESIGN. TRAFFIC SIGNAL CONTROLLER TO VERIFY EXISTING ON-SITE. CABLE NEW SIGNALS TO MATCH EXISTING AND PROVIDE FULL CABLING ON AS CONSTRUCTED DRAWINGS.
 - REFER DWG T104-AA005621 FOR TRAFFIC SIGNAL POWER/COMMUNICATIONS SUPPLY INFORMATION

NEW TRAFFIC SIGNAL POST/FOOTING SCHEDULE

TRAFFIC SIGNAL POST/FOOTING NO.	EASTINGS	NORTHINGS	COMMENT
1	537846.641	69068356.148	NEW POST/FOOTING
2	537840.986	6906831.060	NEW POST/FOOTING
11	537799.761	6906839.553	NEW POST/FOOTING
11A	537803.867	6906834.945	NEW POST/FOOTING
12	537808.089	6906846.467	NEW POST/FOOTING
13	537820.762	6906855.079	NEW POST/FOOTING
14	537836.038	6906845.527	NEW POST/FOOTING
15	537846.343	6906845.527	NEW POST/FOOTING



BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION MUST BE PROVEN ON SITE PRIOR TO STARTING WORKS. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN

PLANS AND DOCUMENTS referred to in the PDA APPROVAL
16 JAN 2014
MEDQ

CONFLICT TABLE (X INDICATES CONFLICT)																							
VEHICLE GROUPS												PED GROUPS											
												1	2	3	4	5	6	7	8	9	10	11	12
1																							
2																							
3																							
4																							
5																							
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11																							
12																							

DETECTOR TABLE			
PHYSICAL LABEL	CONTROLLER TERMINAL	LOGICAL INPUT	LOOP/PHASE STOP LINE
LOOP 1	P1	1	STOP
LOOP 2	P2	2	STOP
LOOP 3	P3	3	STOP
LOOP 4	P4	4	STOP
LOOP 5	P5	5	STOP
LOOP 6	P6	6	STOP
LOOP 7	P7	7	STOP
LOOP 8	P8	8	STOP
LOOP 9	P9	9	COUNTING
LOOP 10	P10	10	COUNTING
LOOP 11	P11	11	COUNTING
EXT6	E10	19	PB6-AUDIO
EXT5	E9	20	PB5-AUDIO
EXT4	E8	21	PB4-AUDIO
EXT3	E7	22	PB3-AUDIO
EXT2	E6	23	PB2-AUDIO
EXT1	E5	24	PB1-AUDIO

- LEGEND
- Traffic signal controller
 - Traffic signal post number
 - 4 aspect LED lantern
 - 6 aspect LED lantern
 - Pedestrian LED lantern
 - Audio-tactile push button
 - Rectangular loop detector

REFER NOTE 8

Signal Groups	Function	Controller Terminals	Run 1 Connections	Run 2 Connections
1	Red			
2	Yellow			
3	Green			
4	Red			
5	Yellow			
6	Green			
7	Red			
8	Yellow			
9	Green			
10	Red			
11	Yellow			
12	Green			
13	Red			
14	Yellow			
15	Green			
16	Red			
17	Yellow			
18	Green			
19	Red			
20	Yellow			
21	Green			
22	Red			
23	Yellow			
24	Green			
25	Red			
26	Yellow			
27	Green			
28	Red			
29	Yellow			
30	Green			
31	Red			
32	Yellow			
33	Green			
34	Red			
35	Yellow			
36	Green			
37	Red			
38	Yellow			
39	Green			
40	Red			
41	Yellow			
42	Green			
43	Red			
44	Yellow			
45	Green			
46	Red			
47	Yellow			
48	Green			
49	Red			
50	Yellow			
51	Green			
52	Red			
53	Yellow			
54	Green			
55	Red			
56	Yellow			
57	Green			
58	Red			
59	Yellow			
60	Green			
61	Red			
62	Yellow			
63	Green			
64	Red			
65	Yellow			
66	Green			
67	Red			
68	Yellow			
69	Green			
70	Red			
71	Yellow			
72	Green			
73	Red			
74	Yellow			
75	Green			
76	Red			
77	Yellow			
78	Green			
79	Red			
80	Yellow			
81	Green			
82	Red			
83	Yellow			
84	Green			
85	Red			
86	Yellow			
87	Green			
88	Red			
89	Yellow			
90	Green			
91	Red			
92	Yellow			
93	Green			
94	Red			
95	Yellow			
96	Green			
97	Red			
98	Yellow			
99	Green			
100	Red			

Scale: 0 5 10 15 20 25m

1 : 250

Issue Description: ISSUED FOR DRW APPROVAL

DR: 14/10/2013

Author: [Signature]

Date: [Signature]

Scale: 0 5 10 15 20 25m

1 : 250

Architect: ARCHPELAGO

File Name: T103-AA005621-PARKLAND AND ENG DR SIGNALS.DWG

Client: DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING

FOR APPROVAL

CONSTRUCTION SUBJECT TO COUNCIL APPROVAL

RECD No: 9330

Current Issue Signatures: [Signature]

Project: GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE

Title: TRAFFIC SIGNALS PARKLANDS DR INT WITH ENGINEERING DR

Hyder

HYDER CONSULTING PTY. LTD

ABN 76 104 485 289

P.O. Box 1653

Southport QLD 4110

Australia

Tel: +61 (0)7 5532 3933

Fax: +61 (0)7 5591 4778

www.hyderconsulting.com

Drawing No: T103

Project No: AA005621

Issue: 01

PIT SCHEDULE

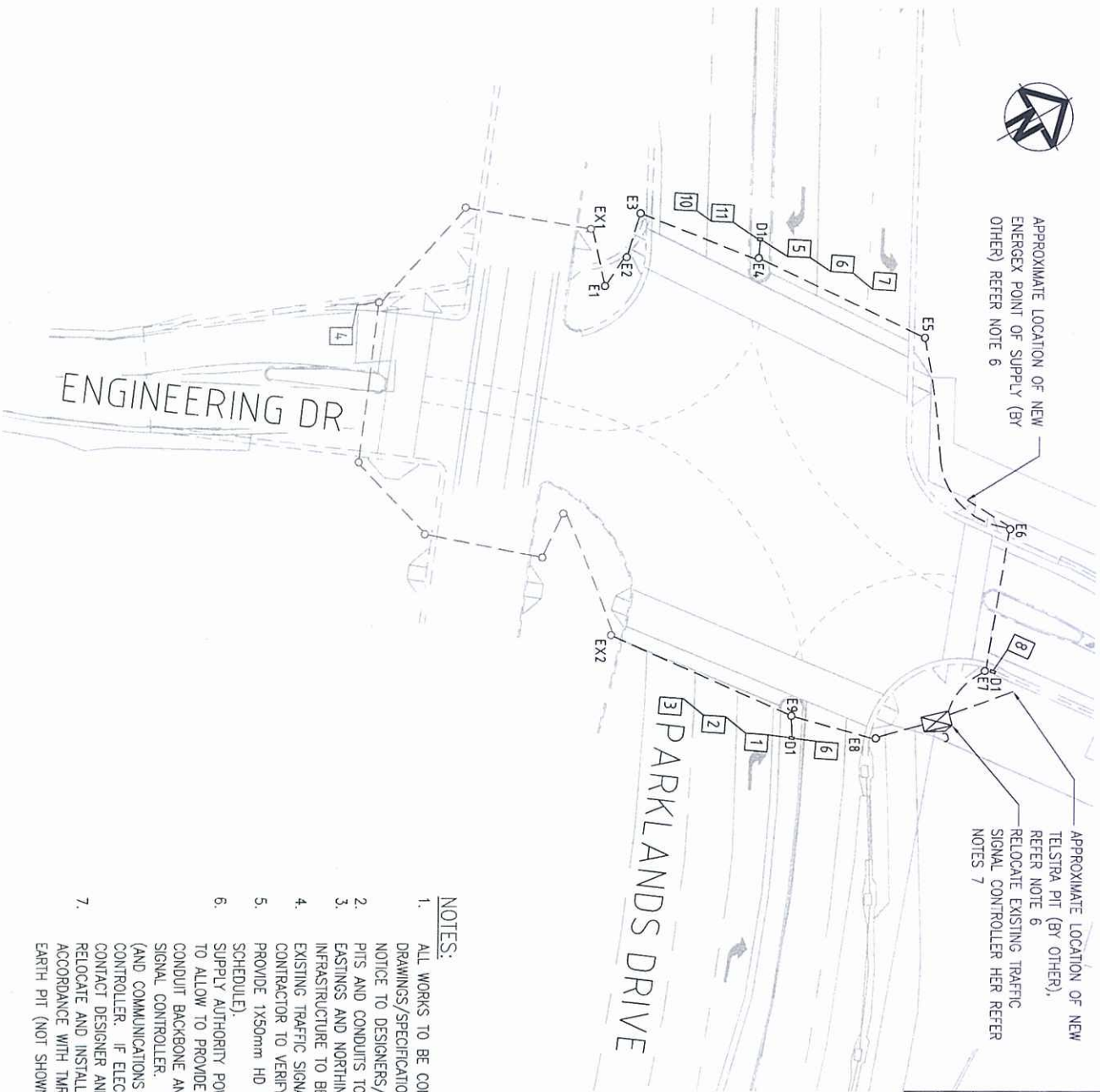
TRAFFIC SIGNAL PIT NO.	EASTINGS	NORTHINGS	COMMENT
E1	537802.649	6906834.830	NEW ELEC PIT
E2	537801.434	6906837.577	NEW ELEC PIT
E3	537798.837	6906840.363	NEW ELEC PIT
E4	537806.931	6906846.984	NEW ELEC PIT
E5	537819.535	6906855.649	NEW ELEC PIT
E6	537836.866	6906853.898	NEW ELEC PIT
E7	537846.085	6906846.438	NEW ELEC PIT
E8	537846.144	6906835.169	NEW ELEC PIT
E9	537841.356	6906830.587	NEW ELEC PIT
D1	537805.417	6906847.756	NEW DETECTOR PIT
D2	537846.245	6906846.818	NEW DETECTOR PIT
D3	537842.751	6906829.606	NEW DETECTOR PIT

TRAFFIC SIGNAL SYMBOL LEGEND

- 3 Traffic signal post/footing number
- Traffic Signal Post/footing
- Under ground traffic signal conduit, refer schedule for size and type
- Circular pit to TMR requirements (TMR standard drawings 1415, 1416, 1417-1 and 1417-2)
- Detector pit TYPE 4 to TMR requirements

CONDUIT SCHEDULE

FROM	TO	TYPE	NUMBER/SIZE	COMMENT
EX1	E1	ELEC HD	2 X 100mm	NEW CONDUIT
E1	E2	ELEC HD	2 X 100mm	NEW CONDUIT
E2	E3	ELEC HD	2 X 100mm	NEW CONDUIT
E3	E4	ELEC HD	2 X 100mm	NEW CONDUIT
E4	E5	ELEC HD	2 X 100mm	NEW CONDUIT
E5	E6	ELEC HD	2 X 100mm	NEW CONDUIT
E6	E7	ELEC HD	2 X 100mm	NEW CONDUIT
E7	CONTROLLER	ELEC HD	2 X 100mm	NEW CONDUIT
CONTROLLER	E8	ELEC HD	2 X 100mm	NEW CONDUIT
E8	E9	ELEC HD	2 X 100mm	NEW CONDUIT
E9	EX2	ELEC HD	2 X 100mm	NEW CONDUIT



NOTES:

- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH THIS DRAWING, TRANSPORT MAIN ROADS (TMR) STANDARD DRAWINGS/SPECIFICATIONS AND GOLD COAST CITY COUNCIL (GCCC) DOCUMENT "SUPPLEMENTARY SPECIFICATIONS NOTICE TO DESIGNERS/CONSTRUCTORS/GCCC PROJECT OFFERS" VERSION 16 DATE 09/11/2012
- PITS AND CONDUITS TO BE INSTALLED BY (OR UNDER DIRECT SUPERVISION) OF A LICENSED ELECTRICIAN
- EASTINGS AND NORTHINGS COORDINATES ARE GIVEN FOR INFORMATION ONLY. FINAL LOCATIONS OF INFRASTRUCTURE TO BE IN ACCORDANCE WITH BCC STANDARD DRAWINGS AND TO SUIT SITE CONDUITS.
- EXISTING TRAFFIC SIGNAL PITS AND CONDUITS (SHOWN IN GREY) IS BASED ON EXISTING DRAWINGS, TRAFFIC SIGNAL CONTRACTOR TO VERIFY ON-SITE.
- PROVIDE 1X50mm HD ELECTRICAL CONDUIT BETWEEN DETECTOR PIT AND ELECTRICAL PIT (NOT SHOWN IN CONDUIT SCHEDULE).
- SUPPLY AUTHORITY POWER AND COMMUNICATIONS IS TO BE DESIGNED BY OTHER. TRAFFIC SIGNAL CONTRACTOR TO ALLOW TO PROVIDE 50mm HD ELECTRICAL CONDUIT BETWEEN INDICATIVE POINT OF SUPPLY - TRAFFIC SIGNAL CONDUIT BACKBONE AND 16MM² 2C XLPE/PVC ELECTRICAL MAINS CABLING BETWEEN POINT OF SUPPLY - TRAFFIC SIGNAL CONTRACTOR. TRAFFIC SIGNAL CONTRACTOR ALSO TO ALLOW FOR 50mm HD COMMUNICATIONS CONDUIT (AND COMMUNICATIONS CABLING) TO RUN FROM INDICATIVE COMMUNICATIONS CONNECTION POINT - TRAFFIC SIGNAL CONTRACTOR. IF ELECTRICAL OR COMMUNICATIONS POINTS OF SUPPLY VARY FROM INDICATIVE LOCATIONS SHOWN, CONTACT DESIGNER AND AWAIT FURTHER INSTRUCTION.
- RELOCATE AND INSTALL EXISTING TRAFFIC SIGNAL CONTRACTOR IN THE LOCATION SHOWN. INSTALL CONTRACTOR IN ACCORDANCE WITH TMR STANDARD DRAWING 1423 INCLUDING CONCRETE PAD, ELECTRICAL PIT, COMMS PIT AND EARTH PIT (NOT SHOWN)



BEWARE OF UNDERGROUND SERVICES
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MUST BE PROVEN ON SITE PRIOR TO STARTING
WORKS. NO GUARANTEE IS GIVEN THAT ALL EXISTING
SERVICES ARE SHOWN

Issue Description		Author	Date	Scale	Architect	Surveyor	Client	Status	Project	Hyder
01 ISSUED FOR PDA APPROVAL		DR	14/10/2013	0 5 10 15 20 25m 1 : 250	ARCHIPELAGO	BENNETT • BENNETT Project Consultants, Surveyors • Town Planning As built to: PO Box 5021, QLD 4870 PO Box 5021, QLD 4870 Tel: 07 5552 9333 Fax: 07 5552 9333	DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING	FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved: [Signature] RE PDA No. 9300	GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE	HYDER CONSULTING PTY. LTD ABN 75 104 465 289 P O Box 1653 Southport, QLD 4110 Australia Tel: +61 (0)7 5552 9333 Fax: +61 (0)7 5591 4778 www.hyderconsulting.com
Issue Description		Author	Date	Drawing No.		Project No.		Issue		
				T104		AA005621		01		

PIT SCHEDULE

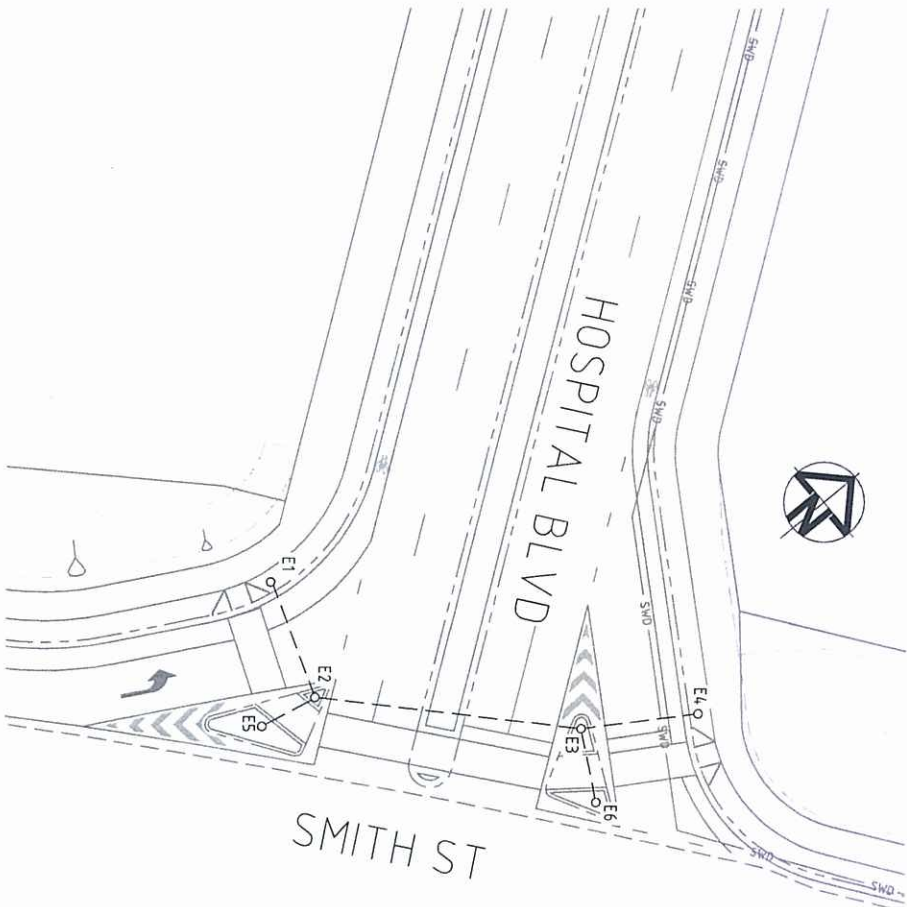
TRAFFIC SIGNAL PIT NO.	EASTINGS	NORTHINGS	COMMENT
E1	538253.688	6906861.464	NEW ELEC PIT
E2	538261.868	6906858.698	NEW ELEC PIT
E3	538275.518	6906871.549	NEW ELEC PIT
E4	538279.950	6906878.501	NEW ELEC PIT
E5	538261.052	6906854.559	NEW ELEC PIT
E6	538280.178	6906869.028	NEW ELEC PIT

TRAFFIC SIGNAL SYMBOL LEGEND

- 3 Traffic signal post/footing number
- Traffic Signal Post/footing
- Under ground traffic signal conduit, refer schedule for size and type
- Circular pit to TMR requirements (TMR standard drawings 1415, 1416, 1417-1 and 1417-2)
- Detector pit type 4 to TMR requirements

CONDUIT SCHEDULE

FROM	TO	TYPE	NUMBER/SIZE	COMMENT
E1	E2	ELEC HD	2 X 100mm	NEW CONDUIT
E2	E3	ELEC HD	2 X 100mm	NEW CONDUIT
E3	E4	ELEC HD	2 X 100mm	NEW CONDUIT
E3	E6	ELEC HD	2 X 100mm	NEW CONDUIT
E2	E5	ELEC HD	2 X 100mm	NEW CONDUIT



PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

16 JAN 2014

MEDQ

BEWARE OF UNDERGROUND SERVICES
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SERVICES ARE SHOWN



NOTES:

- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH THIS DRAWING AND TRANSPORT MAIN ROADS (TMR)
- PITS AND CONDUITS TO BE INSTALLED BY (OR UNDER DIRECT SUPERVISION) OF A LICENSED ELECTRICIAN
- EASTINGS AND NORTHINGS COORDINATES ARE GIVEN FOR INFORMATION ONLY. FINAL LOCATIONS OF INFRASTRUCTURE TO BE IN ACCORDANCE WITH BCC STANDARD DRAWINGS AND TO SUIT SITE CONDUITS. TMR ARE COMPLETING FULL TRAFFIC SIGNAL DESIGN FOR THIS INTERSECTION. COORDINATE PITS AND CONDUIT INSTALLATION SHOWN ON THIS DESIGN WITH THE FULL TRAFFIC SIGNAL DESIGN
-

Issue Description		Author	Date	Scale	Surveyor	Client	Status	Project	Drawing No.	Issue
01 ISSUED FOR DPV APPROVAL		DR	14/01/2013	0 5 10 15 20 25m 1 : 250	BENNETT + BENNETT Planning Consultants, Surveyors & Town Planners Attn: Mr. P.D. Bennett, P.D. Bennett, P.D. Bennett PO Box 5021, QLD 4101 Ph: (07) 5593 4477 Fax: (07) 5593 4472	Queensland Government DEPARTMENT OF STATE DEVELOPMENT, INFRASTRUCTURE & PLANNING	FOR APPROVAL CONSTRUCTION SUBJECT TO COUNCIL APPROVAL Approved: [Signature] AS SHOWN Original Size: A1 Height: MGA ZONE 56 Grid: AHD	GOLD COAST PARKLANDS REDEVELOPMENT TRUNK INFRASTRUCTURE	Hyder HYDER CONSULTING PTY. LTD. ABN 76 104 485 289 2 Southport, QLD 4101 Australia Tel: +61 (07) 5593 2823 Fax: +61 (07) 5591 4778 www.hyderconsulting.com	T105 — AA005621 — 01