

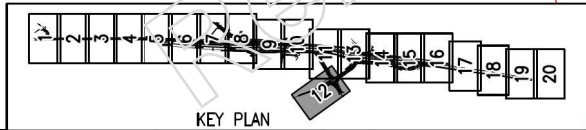
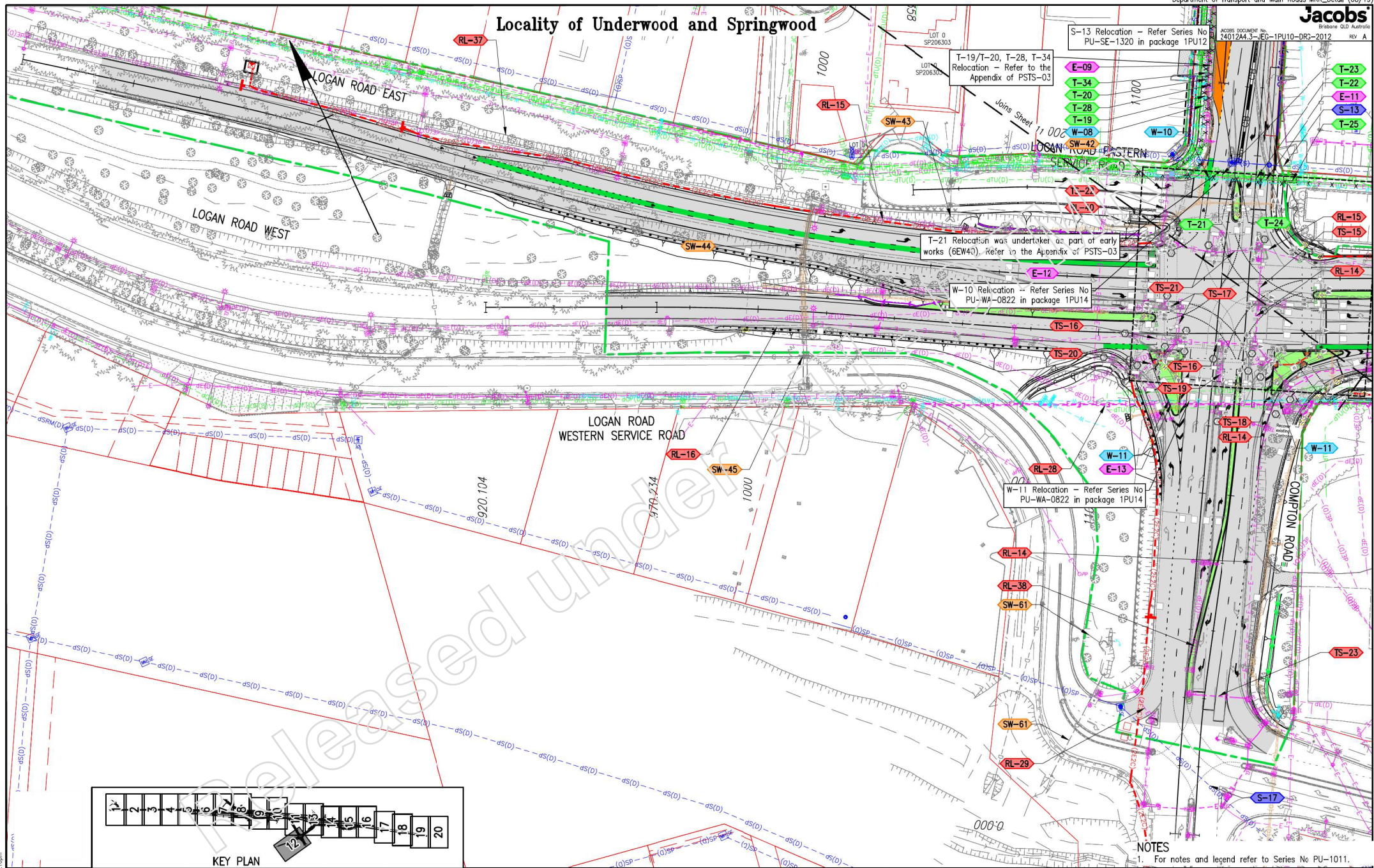
From: personal bhjv.com.au <No-Reply@bhjv.com.au>
Sent: Monday, 26 July 2021 4:17 PM
To: personal ws2sd
Cc: personal
Subject: CN-11843 | RFI-0357 | [Existing Energex conduits near subgrade MC1L20 CH125]
Attachments: ContNotice_RFI-0357_DBID_651.pdf; 24012A4.3-JEG-1PU10-DRG-2012_A.pdf; 24012A4.3-JEG-1PU10-DRG-3007_A.pdf; 20210726_153121.jpg; sketch Gate 15 Energex Corner - Asbestos EU conduit 210726.pdf

REQUEST FOR INFORMATION			
DETAILS			
Title:	CN-11843 RFI-0357 [Existing Energex conduits near subgrade MC1L20 CH125]		
Contractor REF Number:	RFI-0357	Client REF Number:	
Raised By:	personal	Date Raised:	26/07/2021
Sent To:	personal personal personal personal TMR Project Email TMR	Sent To Company:	Drive Engineering, Drive Engineering, Drive Engineering, TMR
Contract Number:	CN-11843		
Contract Name:	Watland Street to Sports Drive		
Is this CN associated to a Variation?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If Yes has a Variation been raised?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Location:			
Discipline:		Sub-Discipline:	
RFI BODY			
RFI Description:	Existing asbestos Energex conduits have been exposed 37-83mm below subgrade at MC1L20 CH125. The conduits were identified as E-13 in the 1PU10 drawing set. Refer to attached markup and photos for details. The position and material of the conduits will restrict our ability to compact the existing subgrade material and the pavement directly above them. Please advise how to proceed.		
RFI Reason:	Confirm treatment required to existing conduits or subgrade/pavement around shallow asbestos electrical conduits.		
ASSOCIATED DRAWING & CONTROLLED PROJECT DOCUMENTS			
Drawing or Document Number	Description	Revision	Details: Please include any details on how the RFI affects the design drawing or project documents
OTHER RELATED ITEMS & ATTACHMENTS - Please refer to any Related Items, and attach any documents or photographs required as additional information			
Related Lot ID/s	Description	Other Details	
Related Notice ID/s	Description	Other Details	
Related Variation ID/s	Description	Other Details	
Related Document ID/s	Description	Other Details	
10275	20210726_153121		
10276	20210726_153145		
10273	24012A4.3-JEG-1PU10-DRG-2012_A		
10274	24012A4.3-JEG-1PU10-DRG-3007_A		
10277	sketch Gate 15 Energex Corner - Asbestos EU conduit 210726		
Related Photo ID/s	Description	Other Details	

[CN LINK: RFI-0357](#)

The following attachment(s) were not attached due to size restrictions:
 20210726_153145.jpg

Locality of Underwood and Springwood



LOGAN CITY COUNCIL PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE) CTL CHGE 0 TO 4150.258 (MC1B01)				PUBLIC UTILITY PLANT (1PU10) LAYOUT PLAN SHEET 12				Queensland Government	
Associated Job Nos Survey Data Horiz. Datum GDA94 Auxillary Drg Nos MGA (Zone 56) Height Datum AHD (Derived) Survey Books MR102526 04				Reference Points Preceding RP 12A/1 Dist. to start of job (km) 0 From start to end of job 4.15 From end to Following RP 2.45 Following RP 12A/4A Through Chainage from 0.0km to 4.15km				Job No. 240/12A/4.3 Contract No. CN-11843 Drawing No. 839108 Series Number PU-2012	
Revisions/Descriptions Name or RPEQ No. Signature Date				Drawn D. Cavi Designed M. Salisbury				ENGINEERING CERTIFICATION (RPEQ) ENG. AREA NAME M. SALSIBURY SIGNATURE M. SALSIBURY No. 22907 DATE 31.08.20	

CODE	SERVICE TYPE	UTILITY	TYPE	SERVICE DESCRIPTION	SERIES NO	CHAINAGE	LOCATION DESCRIPTION	APPROX DEPTH (OBVERT (mm) TO EXISTING SURFACE)	WORKS AFFECTED	ACTION	SOURCE OF INFORMATION	COMMENT
SW-42	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	STORM WATER PIPE	PU-2011, PU-2012	MC1120: CH 175.00 - CH 200.00	ON NW CORNER OF LOGAN / LEXINGTON / COMPTON INTERSECTION - HEADWALL	2017MM US: 457MM DS	HEADWALL TO BE REPLACED BY FIELD INLET AS PART OF UPGRADE WORKS	REMAIN		REFER PACKAGE 1SW10
T-21	TELECOMMUNICATIONS	OPTUS	OVERHEAD TELECOMMUNICATIONS LINE	1X OVERHEAD CABLE	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	NL	LOCAL ROADS (WEST) - LEXINGTON ROAD.	RELOCATE AS PART OF EARLY WORKS CONTRACT	SURVEY/STREET VIEW	
T-22	TELECOMMUNICATIONS	OPTUS	UNDERGROUND CABLE	P100	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	850	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	MINIMUM PAVEMENT BOX CUT DEPTH 420 MM. MINIMUM EXISTING COVER 600MM.
T-23	TELECOMMUNICATIONS	NBN	UNDERGROUND CABLE	P100-T	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	570	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	MINIMUM PAVEMENT BOX CUT DEPTH 420 MM. MINIMUM EXISTING COVER 600MM.
T-24	TELECOMMUNICATIONS	TELSTRA	UNDERGROUND CABLE	P50, P100, A100	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	570	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	MINIMUM PAVEMENT BOX CUT DEPTH 420 MM. MINIMUM EXISTING COVER 600MM.
T-25	TELECOMMUNICATIONS	UECOMM	UNDERGROUND CABLE	P100	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	850	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	
T-28	TELECOMMUNICATIONS	OPTUS	UNDERGROUND CABLE	P50	PU-2011, PU-2012	MC1A01: CH 2315.00 - CH 2485.00	RUNS ACROSS LEXINGTON ROAD NEAR ON-RAMP AND DOWN WESTERN VERGE OF LEXINGTON ROAD.	300	LOCATED WITHIN LEXINGTON ROAD AND ON-RAMP CARRIAGEWAY.	RELOCATE	DBYD/SURVEY	
TS-15	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2011, PU-2012	MC1120: CH170.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-22	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2011, PU-2012	MC1120: CH 180.00 - CH 195.00	LOGAN RD SERVICE ROAD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
W-10	WATER	LOGAN CITY COUNCIL	WATER INFRASTRUCTURE	DN(200)[AC] WATER PIPE	PU-2011, PU-2012	MC1120: CH 190.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	800 MIN; 1400 MAX	LOCAL ROADS (WEST) - LEXINGTON ROAD.	RELOCATE	DBYD/SURVEY	
RL-04	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUIT	PU-2011, PU-2013	MC1A01: CH 2280.00 - CH 2550.00	RUNS ALONG EXIT 20 OFF-RAMP	600	BUSWAY WORKS - SIGNIFICANT IMPACT, RUNS UNDER MUCH OF EXISTING CARRIAGEWAY.	RETAIN/PROTECT		
RL-10	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2011, PU-2013	MC1A01: CH 2280.00 - CH 2560.00	RUNS ALONG ROCHEDALE ROAD, NORTH OF LOGAN ROAD UNDERPASS	600	UNAFFFECTED BY WORKS	RETAIN/PROTECT		
RL-11	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2011, PU-2013	MC1A01: CH 2280.00 - CH 2560.00	RUNS ALONG ROCHEDALE ROAD, ROUGHLY PARALLEL TO RL-10.	600	AS FOR RL-14.	RETAIN/PROTECT		
RL-05	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2011, PU-2013, PU-2014, PU-2015	MC1A01: CH 2360.00 - CH 3300.00	RUNS ALONG WESTERN SIDE OF LOGAN ROAD ON-RAMP NB	600	NB CARRIAGEWAY WORKS - CAN BE REMOVED WITH NO IMPACT ONCE THE LOGAN ROAD NB ON-RAMP IS CLOSED.	REMOVE/ABANDON AFTER CABLEING REMOVED		
E-12	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	4X P100	PU-2012	MC1120: CH 125.00 - CH 195.00	RUNS ACROSS LOGAN ROAD, NORTH OF LOGAN AND COMPTON ROAD INTERSECTION	1300 MIN; 2100 MAX	LOGAN ROAD WORKS	NO WORKS REQUIRED	DBYD/SURVEY	CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING CONSTRUCTION WORKS.
E-13	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	6 X P100	PU-2012	MC1120: CH 125.00	RUNS ACROSS COMPTON ROAD JUST SOUTH OF THE INTERSECTION WITH THE M1/LOGAN RD OFF RAMP.	600 MIN; 1700 MAX	LOCAL ROADS (WEST) - COMPTON ROAD, TOWARDS THE END OF THE WORKS AREA.	NO WORKS REQUIRED	DBYD/SURVEY	CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING CONSTRUCTION WORKS.
RL-16	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 145.00	RUNS ALONG LOGAN ROAD (WEST OF COMPTON ROAD INTERSECTION)	600	ROADWORKS WILL IMPLICATE RELOCATION AT SERVICE INTO THE NEW MEDIAN.	RETAIN/PROTECT		
RL-28	ROAD LIGHTING	LOGAN CITY COUNCIL	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 145.00	RUNS ACROSS COMPTON ROAD JUST SOUTH OF THE INTERSECTION WITH THE M1/LOGAN RD OFF RAMP.	600	LOCAL ROADS (WEST) - COMPTON ROAD, TOWARDS THE END OF THE WORKS AREA.	RETAIN/PROTECT		
RL-29	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 20.00	RUNS ACROSS COMPTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD NEAR COMPTON ROAD & MOSS ST INTERSECTION.	600	LOCAL ROADS (WEST) - COMPTON ROAD AT END OF WORKS.	RETAIN/PROTECT	DBYD	
RL-37	ROAD LIGHTING	LOGAN CITY COUNCIL	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 180.00	EASTBOUND LANES OF LOGAN ROAD	600	ROAD RECONFIGURATION MAY IMPACT EXISTING SERVICE	RETAIN/PROTECT	DBYD	
RL-38	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 40.00 - CH 80.00	COMPTON ROAD MEDIAN SOUTH OF LOGAN ROAD AND COMPTON ROAD INTERSECTION	600		REMOVE/ABANDON AFTER CABLEING REMOVED	DBYD	
S-17	SEWER	LOGAN CITY COUNCIL	SEWER PIPE	DN(450)[AC]	PU-2012	MC1120: CH 0.00 - CH 40.00	CROSSING COMPTON ROAD AT INTERSECTION WITH LOGAN ROAD.	1200	MANHOLE LOCATED ON EDGE OF PROJECT BOUNDARY	NOT AFFECTED	DBYD/SURVEY	OUTSIDE ARE OF WORKS AT THIS STAGE
SW-43	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	STORM WATER PIPE	PU-2012	MC1120: CH 170.00 - CH 195.00	CROSSES NORTHERN LOGAN ROAD SERVICE ROAD, CUL-DE-SAC EAST OF LEXINGTON/COMPTON INTERSECTION.	2509MM US: 552MM US	LOCAL ROADS (WEST) - HEADWALL TO BE REPLACED BY MANHOLE AS PART OF UPGRADE WORKS	REPLACE		REFER PACKAGE 1SW10
SW-44	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	CULVERT	PU-2012	MC1120: CH 160.00 - CH 175.00	RUNS UNDER LOGAN ROAD (EAST TO WEST) NORTH OF LEXINGTON/COMPTON INTERSECTION.	805MM US: 601MM US	CULVERT TO BE UPGRADED AS PART OF UPGRADE WORKS	NO ACTION		REFER PACKAGE 1SW10
SW-45	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	CULVERT HEADWALL	PU-2012	MC1120: CH 125.00 - CH 140.00	ON WESTERN END OF SW-44	CROSSING PIPE DETAIL 1706MM US: 453MM US	AS PER SW-44	NO ACTION		REFER PACKAGE 1SW10
SW-61	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	CULVERT	PU-2012	MC1120: CH 10.00 - CH 65.00	CROSSING LOGAN ROAD WEST OF INTERSECTION WITH COMPTON ROAD.	CULVERT DETAIL 1706MM US: 453MM US	CROSSES NEAR COMPTON ROAD	RETAIN		REFER PACKAGE 1SW10
TS-16	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 145.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-17	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 145.00 - CH 155.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-18	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 130.00 - CH 140.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-19	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 125.00 - CH 145.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-20	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 130.00 - CH 145.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-21	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 170.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-23	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 45.00	COMPTON ROAD MEDIAN	750	NONE	RETAIN/PROTECT		
W-11	WATER	LOGAN CITY COUNCIL	WATER INFRASTRUCTURE	DN(150)[AC] WATER PIPE	PU-2012	MC1120: CH 125.00	RUNS ACROSS COMPTON ROAD JUST SOUTH OF THE INTERSECTION WITH LOGAN RD.	1000 MIN; 2500 MAX	LOCAL ROADS (WEST) - COMPTON ROAD, TOWARDS THE END OF THE WORKS AREA. IMPACT DEPENDS ON SERVICE DEPTH.	REPLACE A SMALL SECTION OF MAIN IN THE LOGAN/COMPTON SLIP LANE. PROTECT THE REMAINDER OF THE WATER MAIN DURING CONSTRUCTION. INSTALL VALVE NORTHERN END.	DBYD/SURVEY	THIS IS AN AC MAIN AND THE CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION OF THIS MAIN.
E-10	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	10 X P100	PU-2013	MC1A01: CH 2635.00 - 2645.00	RUNS ON THE NORTHERN SIDE OF LOGAN ROAD UNDERNEATH THE PACIFIC MOTORWAY	640 MIN; 1500 MAX	WITHIN NEW BRIDGE WORK FOOTPRINT.	RELOCATE	DBYD/SURVEY	CONSTRUCTION INVOLVES HDI AND ASSOCIATED CONDUITS AND PITS. CONNECTION TO E-10 ON THE WESTERN SIDE OF M1.
E-14	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	10 X P100	PU-2013	MC1A01: CH 2655.00 - CH 2655.00	RUNS ACROSS LOGAN ROAD EAST OF THE COMPTON RD INTERSECTION.	1200MIN; 2100 MAX	ROADWORKS MAY AFFECT SERVICE.	NO WORKS REQUIRED OTHER THAN A CONNECTION WITH RELOCATED E-10	DBYD/SURVEY	CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING CONSTRUCTION WORKS.

Associated Job Nos		Survey Data		Scales		LOGAN CITY COUNCIL		PUBLIC UTILITY PLANT (1PU10)		Queensland Government	
		GDA94				PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE)		CONFLICTS REGISTER		Job No. 240/12A/4.3	
Auxiliary Drg Nos		MGA (Zone 56)				CTL CHGE 0 TO 4150.258 (MC1B01)		SHEET 7		Contract No. CN-11843	
		Height Datum		AHD (Derived)		Reference Points		ENGINEERING CERTIFICATION (RPEQ)		Drawing No. 839123 A	
		Survey Books		MR102526 04		Dimensions shown in metres except where shown otherwise		Drawn D. Cavi		Series Number PU-3007	
A Issued For Construction		Name or RPEQ No.		Signature		Date		ENG. AREA		No. DATE	
Revisions/Descriptions								Civil		M. SALSIBURY	
CAD FILES		C:\users\brofem\appdata\local\projective\jacobs\anz\j\1\0280042\2401244.3-JEG-1PU10-DRG-3007.dwg						M. Salsibury		22907 31.08.20	



NOTES

92mm Value - above subgrade

-56mm Value - below subgrade

Lip Kerb

Edge Box Out

-83mm
-73mm
-62mm
-64mm
-37mm
-43mm



Doc No: RFI-0357

Notice Date: 26/07/2021

Request To: personal TMR, TMR Project Email

Notice ID: 651

Date Response Req'd:
From: personal

Subject:

CN-11843 | RFI-0357 | [Existing Energex conduits near subgrade MC1L20 CH125]

Details:

REQUEST FOR INFORMATION

DETAILS

Title:	CN-11843 RFI-0357 [Existing Energex conduits near subgrade MC1L20 CH125]		
Contractor REF Number:	RFI-0357	Client REF Number:	
Raised By:	personal	Date Raised:	26/07/2021
Sent To:	personal TMR Project Email TMR	Sent To Company:	Drive Engineering, Drive Engineering, Drive Engineering, TMR
Contract Number:	CN-11843		
Contract Name:	Watland Street to Sports Drive		
Is this CN associated to a Variation?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If Yes has a Variation been raised?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Location:			
Discipline:		Sub-Discipline:	

RFI BODY

RFI Description:	Existing asbestos Energex conduits have been exposed 37-83mm below subgrade at MC1L20 CH125. The conduits were identified as E-13 in the 1PU10 drawing set. Refer to attached markup and photos for details. The position and material of the conduits will restrict our ability to compact the existing subgrade material and the pavement directly above them. Please advise how to proceed.
RFI Reason:	Confirm treatment required to existing conduits or subgrade/pavement around shallow asbestos electrical conduits.

ASSOCIATED DRAWING & CONTROLLED PROJECT DOCUMENTS

Drawing or Document Number	Description	Revision	Details: Please include any details on how the RFI affects the design drawing or project documents
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OTHER RELATED ITEMS & ATTACHMENTS - Please refer to any Related Items, and attach any documents or photographs required as additional information

Related Lot ID/s	Description	Other Details
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Related Notice ID/s	Description	Other Details
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Related Variation ID/s	Description	Other Details
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Related Document ID/s	Description	Other Details
10275	20210726_153121	
10276	20210726_153145	
10273	24012A4.3-JEG-1PU10-DRG-2012_A	
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10277	sketch Gate 15 Energex Corner - Asbestos EU conduit 210726	

Related Photo ID/s	Description	Other Details
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[CN LINK: RFI-0357](#)**Responses:****Person to action:****Date reqd:****Completed by:****Date comp:**



ws2sd

From: [personal]@driveengineering.com.au <No-Reply@bhjv.com.au>
Sent: Tuesday, 27 July 2021 10:16 AM
To: [personal]@bhjv.com.au
Cc: [personal]@driveengineering.com.au; [personal] ws2sd
Subject: RFI-0357 - New response (ID: 695)
Attachments: RFI-0357.pdf

Project: CN-11843: Watland Street to Sports Drive
Notice Reference: RFI-0357
Notice Subject: CN-11843 | RFI-0357 | [Existing Energex conduits near subgrade MC1L20 CH125]
Response By: [personal]
Response Date: 7/27/2021
Action Required By:
Action Required Date:
Response:

[personal]

No subgrade treatment shall be applied to the top of conduits, and no vibration on roller to be applied until sufficient cover is achieved, noting the scope for E-13 is for "Contractor to provide temporary protection during construction works". Remaining pavement construction to proceed as normal.

Any issues, let me know.

[personal]

View the notice online at <https://bhjv.civilprosoftware.com>

Doc No: RFI-0357

Notice Date: 7/26/2021

Request To: personal TMR, TMR Project Email

Notice ID: 651

Date Response Req'd:
From: personal

Subject:

CN-11843 | RFI-0357 | [Existing Energex conduits near subgrade MC1L20 CH125]

Details:

REQUEST FOR INFORMATION

DETAILS

Title:	CN-11843 RFI-0357 [Existing Energex conduits near subgrade MC1L20 CH125]		
Contractor REF Number:	RFI-0357	Client REF Number:	
Raised By:	personal	Date Raised:	26/07/2021
Sent To:	personal TMR Project Email TMR	Sent To Company:	Drive Engineering, Drive Engineering, Drive Engineering, TMR
Contract Number:	CN-11843		
Contract Name:	Watland Street to Sports Drive		
Is this CN associated to a Variation?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If Yes has a Variation been raised?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Location:			
Discipline:		Sub-Discipline:	

RFI BODY

RFI Description:	Existing asbestos Energex conduits have been exposed 37-83mm below subgrade at MC1L20 CH125. The conduits were identified as E-13 in the 1PU10 drawing set. Refer to attached markup and photos for details. The position and material of the conduits will restrict our ability to compact the existing subgrade material and the pavement directly above them. Please advise how to proceed.
RFI Reason:	Confirm treatment required to existing conduits or subgrade/pavement around shallow asbestos electrical conduits.

ASSOCIATED DRAWING & CONTROLLED PROJECT DOCUMENTS

Drawing or Document Number	Description	Revision	Details: Please include any details on how the RFI affects the design drawing or project documents

OTHER RELATED ITEMS & ATTACHMENTS - Please refer to any Related Items, and attach any documents or photographs required as additional information

Related Lot ID/s	Description	Other Details
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10277	sketch Gate 15 Energex Corner - Asbestos EU conduit 210726	

Related Photo ID/s	Description	Other Details
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[CN LINK: RFI-0357](#)

Responses:

694 personal 27/07/2021 **Person to action:** **Date reqd:**
Completed by: **Date comp:**

personal

No subgrade treatment shall be applied to the top of conduits, and no vibration on roller to be applied until sufficient cover is achieved, noting the scope for E-13 is for "Contractor to provide temporary protection during construction works".

Civil Inspector can provide additional guidance where required.

Any issues, let me know.

personal

695 personal 27/07/2021 **Person to action:** **Date reqd:**
Completed by: **Date comp:**

personal

No subgrade treatment shall be applied to the top of conduits, and no vibration on roller to be

applied until sufficient cover is achieved, noting the scope for E-13 is for "Contractor to provide temporary protection during construction works". Remaining pavement construction to proceed as normal.

Any issues, let me know.

personal

ws2sd

From: Matthew X Kelly
Sent: Thursday, 12 August 2021 11:37 AM
To: Paul A Grant
Cc: [redacted] personal ws2sd
Subject: Watland Street to Sports Drive - Power Service Strike

Categories: DMS

Hi Paul,

We had an underground power service strike (excavator) late yesterday adjacent the Logan Rd / Compton Rd intersection works that caused a localised network disruption for a couple of hours (Bielby Hull Joint Venture – Watland St to Sports Drive).

A temporary fix was implemented by Energex to get the network back on line yesterday and more permanent repair works are ongoing today.

Reports are that this was equipment damage only.

I understand WFSQ was on site last night and again at the moment – current advice is that there will be more than one prohibition notice issued.

I will provide more information as it comes to hand.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

ws2sd

From: Paul A Grant
Sent: Thursday, 12 August 2021 1:44 PM
To: Matthew X Kelly
Cc: [redacted] personal ws2sd
Subject: RE: Watland Street to Sports Drive - Power Service Strike

Categories: DMS, Red Category

Hi Matt

Thanks for that. I will forward on to WHS Connect but they will be asking for more information so they can assess the High Profile impact. If you can ask them to send out at least an initial notification with basic facts on the incident, that would be great.

Thanks

Regards

Paul A Grant

Regional Safety Advisor | South Coast Region

Program Delivery And Operations | Department of Transport and Main Roads

Ground Floor | Nerang TMC - 16-18 White St | Nerang Qld 4211

PO Box 442 | Nerang Qld 4211

P: (07) 55636594 | F: (07) 55636611

M: [redacted] NR

E: paul.a.grant@tmr.qld.gov.au

W: www.tmr.qld.gov.au

**Phone & Seatbelt
Cameras are live.**



From: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Sent: Thursday, 12 August 2021 11:37 AM
To: Paul A Grant <Paul.A.Grant@tmr.qld.gov.au>
Cc: [redacted] personal @driveengineering.com.au; [redacted] personal @driveengineering.com.au; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: Watland Street to Sports Drive - Power Service Strike

Hi Paul,

We had an underground power service strike (excavator) late yesterday adjacent the Logan Rd / Compton Rd intersection works that caused a localised network disruption for a couple of hours (Bielby Hull Joint Venture – Watland St to Sports Drive).

A temporary fix was implemented by Energen to get the network back on line yesterday and more permanent repair works are ongoing today.

Reports are that this was equipment damage only.

I understand WHSQ was on site last night and again at the moment – current advice is that there will be more than one prohibition notice issued.

I will provide more information as it comes to hand.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

Released under RTI - DTMR

ws2sd

From: [redacted] personal [redacted]@driveengineering.com.au>
Sent: Thursday, 12 August 2021 2:42 PM
To: Ross J Poidevin; Matthew X Kelly
Cc: ws2sd; [redacted] personal [redacted]
Subject: FW: WS2SD - Regulator Visits, Service Strike
Attachments: IN - Bielby Hull Joint Venture - r300(1) - 12 August 2021.pdf; IN - Bielby Hull Joint Venture - r304(3) - 12 August 2021.pdf; PN - Bielby Hull Joint Venture - S19(3)(c) - 11 August 2021.pdf
Categories: DMS

FYI

From: [redacted] personal [redacted]@bhjv.com.au>
Sent: Thursday, 12 August 2021 2:39 PM
To: [redacted] personal [redacted]@driveengineering.com.au>
Cc: [redacted] personal [redacted]@bhjv.com.au>; [redacted] personal [redacted]@driveengineering.com.au>; [redacted] personal [redacted]@bielby.com.au>
Subject: RE: WS2SD - Regulator Visits, Service Strike

[redacted] personal [redacted]

Further to the email below, please find for your records 1 x Prohibition Notice and 2 x Improvement Notices that we have received today.

We are currently working on these and expect to have them closed out very shortly.

Should you have any questions, please don't hesitate to contact myself.

Regards

[redacted] personal [redacted]

Project Manager
BE (Civil), MIE Aust, CPEng, RPEQ



16 Bailey Court, Brendale, Qld, 4500 | PO Box 5718, Brendale, Qld, 4500
Phone: (07) 3205 2633 | Mobile: [redacted] NR [redacted] E-mail: [redacted] personal [redacted]@bhjv.com.au

From: [redacted] personal [redacted]
Sent: Thursday, 12 August 2021 1:08 PM
To: [redacted] personal [redacted]@driveengineering.com.au>
Cc: [redacted] personal [redacted]@bhjv.com.au>; [redacted] personal [redacted]@driveengineering.com.au>; [redacted] personal [redacted]@bielby.com.au>; [redacted] personal [redacted]@bielby.com.au>
Subject: WS2SD - Regulator Visits, Service Strike

[redacted] personal [redacted]

For your information, as a result of the service strike last night, we advise that [redacted] personal [redacted] attended site last night at around 8:00pm, where he issued a Non-Disturbance Notice requiring us to stop all work in and around the location of the service strike. This also applied to Energex who were in the process of looking at the permanent repairs required, and as a result of the notice stopped work.

personal returned this morning around 7:00am and advised the Non-Disturbance Notice is now lifted and commended and investigation into the incident on behalf of WHSQ.

We are yet to receive these formally, however we have been verbally advised that we will be issued 1 x Prohibition Notice and 2 x Improvement Notices – when these are received we will forward them to yourself for your records.

We are also in the process of completing our own investigation, which we hope to have to you within a day.

We do apologise for this incident and the inconvenience that this incident may have caused sections of the community, and reassure you that we are looking at measures we need to implement to prevent re-occurrence.

Regards

personal

Project Manager
BE (Civil), MIE Aust, CPEng, RPEQ



16 Bailey Court, Brendale, Qld, 4500 | PO Box 5718, Brendale, Qld, 4500
Phone: (07) 3205 2633 | Mobile: NR | E-mail: personal@bhiv.com.au

From: personal@bielby.com.au
Sent: Thursday, 12 August 2021 6:20 AM
To: personal@bhiv.com.au
Subject: Regulator Visits

personal

Regulator visits this week and notices attached.

personal visited on 10th of August expecting to join SLT. Stayed for twenty minutes nothing of significance to report. No issues

personal issues notice attached after visiting site the evening of the 11th August 2021 following notification by Energex of a HV service strike on our project.

personal

Safety Manager
Pacific Motorway Upgrade (M1) – S02GM / WS2SD



Mobile: NR
Email: personal@bielby.com.au

Released under RTI - DTMR

Improvement notice

Notice No. I2058062

V1.3.18

Work Health and Safety Act 2011, Electrical Safety Act 2002, Safety in Recreational Water Activities Act 2011

This notice is issued under the *Work Health and Safety Act 2011* section 191, *Safety in Recreational Water Activities Act 2011* applied section 191 *Work Health and Safety Act 2011* or *Electrical Safety Act 2002* section 146. This notice requires the person (which includes a body corporate, government department or public authority) to whom it is issued to remedy a contravention of the Act or Regulations. **The legislation requires that the person to whom an improvement notice is issued must, as soon as possible, display a copy of the notice in a prominent place at or near the workplace, or part of the workplace at which work is being carried out that is affected by the notice.**

Notice issued to:

Legal name of person/business or undertaking: BIELBY HULL JOINT VENTURE	
ABN: 88191703417	ACN:
Trading as:	
Address: LEVEL 1/23A GRAHAM ST, MILTON 4064 QLD	

Details of contravention:

Site location
CNR LOGAN RD AND COMPTON RD (3317 LOGAN ROAD, SLACKS CREEK)
personal information reasonably believe on 12-AUG-2021 at 11:00 that you are contravening a provision of the: <i>Work Health and Safety Regulation 2011</i> - regulation 300(1)

Brief description of how the provision is being or has been contravened:

I attended the workplace in relation to an incident which had occurred on 11 August 2021 in which an item of plant contacted an 11kv underground electrical asset (Underground essential service). The SWMS for the task (SWMS-201) identifies on page 4 that the 'supervisor must perform an inspection of the excavation works', and 'Where public utility services exist or are suspected in an excavation works area, potholing or locating must take place to confirm their location before starting'. The Excavation and Ground Disturbance Permit for the period 1/8/2021 to 15/8/2021 also states on page 2 that Electrical - High Voltage is within the work area and that 'Positive ID prior to ground disturbance near service'. You have failed to ensure that actions took place to confirm the location of underground assets. You have not ensured that High Risk Construction Work is carried out in accordance with the SWMS.
--

Directions (if any) as to the measures to be taken to remedy or prevent the contravention or likely contravention:

It is mandatory to comply with these directions

Work Health and Safety Regulation 2011 - regulation 300(1) A person conducting a business or undertaking that includes the carrying out of high risk construction work must put in place arrangements for ensuring that high risk construction work is carried out in accordance with the safe work method statement for the work.

Recommendations (if any): It is not an offence to fail to comply with recommendations in a notice.

--

Issuing inspector:

NR	2056	NR
Signature of inspector	Inspector's ID	Inspector's contact number
12-AUG-2021	PO BOX 226, IPSWICH 4305 QLD	
Date issued	Inspector's location	

This contravention must be remedied before: Service method:

17-AUG-2021	Delivered directly to the person named by electronic transmission
CTPI	Management Representative For Person Conducting A Business Or Undertaking
Notice given to	Relationship to person to whom notice is issued

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice. You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

The Office of Industrial Relations (OIR) collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of OIR. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by OIR to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.



Improvement notice**Notice No. I2058062**

V1.3.18

Work Health and Safety Act 2011, Electrical Safety Act 2002, Safety in Recreational Water Activities Act 2011

This portion may be signed and returned where contravention has been remedied before the stated date.
I certify that the requirements of this notice have been complied with:

Name *in block letters*: _____ Position: _____

Signature: _____ Date complied: / /

ABN 94 496 188 983

Notice No. I2058062

Released under RTI - DTMR

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice. You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

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Internal review of decision

An eligible person whose interests are affected by an original decision may apply for the decision to be reviewed. Refer to the Internal review of decision ? guide for applicants, at www.worksafe.qld.gov.au

An eligible person is:

1. The person to whom the notice was issued.
2. A person conducting a business or undertaking whose interests are affected by the decision.
3. A worker whose interests are affected by the decision.
4. A health and safety representative who represents a worker whose interests are affected by the decision.

How does a person apply for a review of a decision?

The application for internal review must:

- a) be made in the approved form to the reviewer
- b) supported by enough information to enable the reviewer to decide the application

An application for internal review relating to an improvement notice issued under the *Work Health and Safety Act 2011* and the *Safety in Recreational Water Activities Act 2011* must be lodged before the date stated in the notice for compliance or within 14 calendar days of the decision coming to the notice of the eligible person, whichever is the lesser.

For an improvement notice issued under the *Electrical Safety Act 2002*, the application for internal review must be made within 14 days after the day the applicant receives the notice.

Lodgement of the form can be made via email whsrod@oir.qld.gov.au. Information about how to apply for an internal review of decision, including the application form, is available at www.worksafe.qld.gov.au or by calling 1300 362 128. There is no application fee.

The operation of the improvement notice is stayed (suspended) once the application for review of decision is lodged. The stay remains in effect until a decision is made by the internal reviewer and whichever of the following is earlier ? an external review is applied for or, 28 days have elapsed since the person became aware of the decision.

What happens next?

The internal reviewer must make a decision within 14 calendar days of receiving the application for internal review. The internal reviewer can confirm or vary the reviewable decision, or set aside the reviewable decision and substitute the original decision for another decision. Once the internal reviewer makes the decision, they must notify the applicant of the decision and the reasons for the decision in writing.

External review

An eligible person may apply to an external review body for a review of the internal decision of the internal decision reviewer, or the original decision of the regulator. From the day the applicant received or became aware of the decision, an application for external review must be made within:

- 30 calendar days to the Queensland Industrial Relations Commission (QIRC) relating to the *Work Health and Safety Act 2011*;
- 28 calendar days to the Queensland Civil Administration Tribunal (QCAT) relating to the *Electrical Safety Act 2002* or the *Safety in Recreational Waters Act 2011*.

QCAT and QIRC may confirm or vary the original decision, set aside the original decision and substitute another decision or set aside the original decision and return the matter to the decision maker with appropriate directions.

Please refer to www.worksafe.qld.gov.au or phone 1300 362 128 for more information on how to apply for an external review.

Privacy collection statement

The Office of Industrial Relations (OIR) collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of OIR. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by the OIR to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.

The OIR's privacy information is on our website at www.worksafe.qld.gov.au.

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.

Improvement notice

Notice No. I2058063

V1.3.18

Work Health and Safety Act 2011, Electrical Safety Act 2002, Safety in Recreational Water Activities Act 2011

This notice is issued under the *Work Health and Safety Act 2011* section 191, *Safety in Recreational Water Activities Act 2011* applied section 191 *Work Health and Safety Act 2011* or *Electrical Safety Act 2002* section 146. This notice requires the person (which includes a body corporate, government department or public authority) to whom it is issued to remedy a contravention of the Act or Regulations. **The legislation requires that the person to whom an improvement notice is issued must, as soon as possible, display a copy of the notice in a prominent place at or near the workplace, or part of the workplace at which work is being carried out that is affected by the notice.**

Notice issued to:

Legal name of person/business or undertaking: BIELBY HULL JOINT VENTURE	
ABN: 88191703417	ACN:
Trading as:	
Address: LEVEL 1/23A GRAHAM ST, MILTON 4064 QLD	

Details of contravention:

Site location
CNR LOGAN RD AND COMPTON RD (3317 LOGAN ROAD, SLACKS CREEK)
personal information reasonably believe on 12-AUG-2021 at 11:00 that you have contravened a provision in circumstances that make it likely that the contravention will continue or be repeated of the:
Work Health and Safety Regulation 2011 - regulation 304(3)

Brief description of how the provision is being or has been contravened:

I attended the workplace in relation to an incident which had occurred on 11 August 2021 in which an item of plant contacted an 11kv underground electrical asset (Underground essential service). A statement taken from the worker operating the item of plant identified that you did not provide information relating to the location of underground essential services until after the incident occurred. This information was confirmed in an interview with your supervisor. You have not ensured that you have provided information obtained under subsection 304 (2) to any person engaged by the person to carry out the excavation work.

Directions (if any) as to the measures to be taken to remedy or prevent the contravention or likely contravention:

It is mandatory to comply with these directions

Work Health and Safety Regulation 2011 - regulation 304(3) The person with management or control of the workplace must provide the information obtained under subsection 304 (2) to any person engaged by the person to carry out the excavation work.

Recommendations (if any): It is not an offence to fail to comply with recommendations in a notice.

--

Issuing inspector:

NR	2056	NR
Signature of inspector	Inspector's ID	Inspector's contact number
12-AUG-2021	PO BOX 226, IPSWICH 4305 QLD	
Date issued	Inspector's location	

This contravention must be remedied before: Service method:

17-AUG-2021	Delivered directly to the person named by electronic transmission
CTPI	Management Representative For Person With Management Or Control Of A Workplace
Notice given to	Relationship to person to whom notice is issued

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice. You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

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Improvement notice**Notice No. I2058063**

V1.3.18

Work Health and Safety Act 2011, Electrical Safety Act 2002, Safety in Recreational Water Activities Act 2011

**This portion may be signed and returned where contravention has been remedied before the stated date.
I certify that the requirements of this notice have been complied with:**

Name *in block letters*: _____ Position: _____

Signature: _____ Date complied: / /

ABN 94 496 188 983

Notice No. I2058063

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice. You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.

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Internal review of decision

An eligible person whose interests are affected by an original decision may apply for the decision to be reviewed. Refer to the Internal review of decision ? guide for applicants, at www.worksafe.qld.gov.au

An eligible person is:

1. The person to whom the notice was issued.
2. A person conducting a business or undertaking whose interests are affected by the decision.
3. A worker whose interests are affected by the decision.
4. A health and safety representative who represents a worker whose interests are affected by the decision.

How does a person apply for a review of a decision?

The application for internal review must:

- a) be made in the approved form to the reviewer
- b) supported by enough information to enable the reviewer to decide the application

An application for internal review relating to an improvement notice issued under the *Work Health and Safety Act 2011* and the *Safety in Recreational Water Activities Act 2011* must be lodged before the date stated in the notice for compliance or within 14 calendar days of the decision coming to the notice of the eligible person, whichever is the lesser.

For an improvement notice issued under the *Electrical Safety Act 2002*, the application for internal review must be made within 14 days after the day the applicant receives the notice.

Lodgement of the form can be made via email whsrod@oir.qld.gov.au. Information about how to apply for an internal review of decision, including the application form, is available at www.worksafe.qld.gov.au or by calling 1300 362 128. There is no application fee.

The operation of the improvement notice is stayed (suspended) once the application for review of decision is lodged. The stay remains in effect until a decision is made by the internal reviewer and whichever of the following is earlier ? an external review is applied for or, 28 days have elapsed since the person became aware of the decision.

What happens next?

The internal reviewer must make a decision within 14 calendar days of receiving the application for internal review. The internal reviewer can confirm or vary the reviewable decision, or set aside the reviewable decision and substitute the original decision for another decision. Once the internal reviewer makes the decision, they must notify the applicant of the decision and the reasons for the decision in writing.

External review

An eligible person may apply to an external review body for a review of the internal decision of the internal decision reviewer, or the original decision of the regulator. From the day the applicant received or became aware of the decision, an application for external review must be made within:

- 30 calendar days to the Queensland Industrial Relations Commission (QIRC) relating to the *Work Health and Safety Act 2011*;
- 28 calendar days to the Queensland Civil Administration Tribunal (QCAT) relating to the *Electrical Safety Act 2002* or the *Safety in Recreational Waters Act 2011*.

QCAT and QIRC may confirm or vary the original decision, set aside the original decision and substitute another decision or set aside the original decision and return the matter to the decision maker with appropriate directions.

Please refer to www.worksafe.qld.gov.au or phone 1300 362 128 for more information on how to apply for an external review.

Privacy collection statement

The Office of Industrial Relations (OIR) collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of OIR. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by the OIR to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.

The OIR's privacy information is on our website at www.worksafe.qld.gov.au.

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.



Prohibition notice

This notice is issued under the *Work Health and Safety Act 2011* section 195 or the *Safety in Recreational Water Activities Act 2011* applied section 195 *Work Health and Safety Act 2011* (which includes a body corporate, government department or public authority) who has or may be reasonably presumed to have control over the prohibited activity. This notice prohibits an activity which involves or will involve an immediate or imminent risk to the health and safety of any person. **The legislation requires that the person to whom a prohibition notice is issued must, as soon as possible, display a copy of the notice in a prominent place at or near the workplace, or part of the workplace at which work is being carried out that is affected by the notice.**

Notice No. P1026774
Notice issued to:

Legal name of person/business or undertaking: BIELBY HULL JOINT VENTURE	
ABN: 88191703417	ACN:
Trading as:	
Address: LEVEL 1/23A GRAHAM ST, MILTON 4064 QLD	

Details of serious risk:

Site location	Direction given orally: Y
CNR LOGAN RD AND COMPTON RD (3317 LOGAN ROAD, SLACKS CREEK)	
<p>Personal information: I reasonably believe on 11-AUG-2021 at 21:00 that an activity is occurring at the workplace that involves a serious risk to the health or safety of a person emanating from an immediate or imminent exposure to a hazard and that this activity is contravening a provision of the:</p> <p><i>Work Health and Safety Act 2011</i> - section(s) 19(3)(C)</p> <p>I direct the person with control over the following activity to stop the activity of: All excavation work in the work area Corner of Logan Rd and Compton Rd Slacks Creek (adjacent to 3317 Logan Rd, Slacks Creek) until there is a safe system of work to identify any Underground Essential Services and ensure that there is a safe system of work to perform excavation work near underground essential services</p> <p>until an inspector is satisfied that the matters that give rise to the risk have been remedied.</p>	

Basis for inspector's belief:

<p>I attended the workplace in relation to an incident which had occurred on 11 August 2021 in which an item of plant contacted an 11kv underground electrical asset (Underground essential service). There had been no identification or potholing of the underground essential services prior to the work being conducted. As a result, a Caterpillar 259D Skid Steer Loader fitted with a trenching attachment contacted an 11Kv underground cable, damaging the cable, causing damage to the trenching attachment and potentially causing as yet undetermined damage to the Loader. You have not ensured, so far as is reasonably practicable the provision and maintenance of safe systems of work in relation to excavations near Underground essential Services</p>
--

Directions (if any) on the measures to be taken to remedy the risk, activities or matters or the contravention or likely contravention: It is mandatory to comply with these directions

<p><i>Work Health and Safety Act 2011</i> - section 19(3)(C)</p> <p>Without limiting subsections 19 (1) and 19 (2), a person conducting a business or undertaking must ensure, so far as is reasonably practicable the provision and maintenance of safe systems of work;</p>

Recommendations (if any): Recommendations may be followed or you may adopt and follow another way that gives at least the same level of protection against the risk

--

Issuing inspector:

NR	2056	NR
Signature of inspector	Inspector's ID	Inspector's contact number
11-AUG-2021	PO BOX 226, IPSWICH 4305 QLD	
Date issued	Inspector's location	

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice. Failure to comply may incur a maximum penalty of \$100 000 for an individual and \$500 000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

The Office of Industrial Relations collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of the Department. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by Office of Industrial Relations to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.

The Office of Industrial Relations privacy information is on our website at www.worksafe.qld.gov.au/.

Service method:

Delivered directly to the person named by electronic transmission	
CTPI	Management Representative For Person Conducting A Business Or Undertaking
Notice given to	Relationship to person to whom notice is issued
Information about how to obtain a review of this decision is detailed on the back of this notice.	

Released under RTI - DTMR

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice. Failure to comply may incur a maximum penalty of \$100 000 for an individual and \$500 000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

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The Office of Industrial Relations privacy information is on our website at www.worksafe.qld.gov.au/.

Internal review of decision

If a decision to prohibit an activity was made by an inspector, an eligible person may apply for an internal review of that decision.

An eligible person is:

1. The person to whom the notice was issued.
2. The person with management or control of the workplace, plant or substance.
3. A person conducting a business or undertaking whose interests are affected by the decision.
4. A worker whose interests are affected by the decision.
5. A health and safety representative who represents a worker whose interests are affected by the decision.
6. A health and safety representative who gave a direction under section 85 of the *Work Health and Safety Act 2011* to cease work, that is relevant to the prohibition notice.

How does a person apply for a review of a decision?

The person must complete and lodge the Internal Review Application form within 14 days of receiving the notice. There is no application fee.

The operation of the prohibition notice continues unless a separate application is made to stay (that is suspend) the prohibition while the review is undertaken. The regulator may or may not grant the stay. The regulator will make a decision on the stay within one working day after the regulator receives the application.

If a stay is granted, it remains in effect until a decision is made by the regulator and whichever of the following is earlier - an external review is applied for or 28 days have elapsed since the person became aware of the regulator's decision.

Information about how to apply for a review of decision, including application forms, is available online at www.worksafe.qld.gov.au, or by phoning Advisory Services on 1300 362 128.

What happens next?

Applications are reviewed within 14 days unless additional information is required. Applicants are provided with written confirmation of the result of the internal review including the reasons for the decision.

External review

If a decision to prohibit an activity was made by the regulator or the regulator has made a decision through internal review, an eligible person may apply to the Queensland Civil and Administrative Tribunal for an external review. An external review application must be made within 28 days of the person becoming aware of the regulator's decision.

Please refer to www.worksafe.qld.gov.au for more information on how to apply for an external review.

Matthew X Kelly

From: Matthew X Kelly
Sent: Thursday, 12 August 2021 1:24 PM
To: Paul A Grant
Cc: Ross J Poidevin
Subject: FW: WS2SD - Regulator Visits, Service Strike
Attachments: SKM_C360i21081206100.pdf

Hi Paul,

Further information attached and below relating to the incident on WS2SD described in my email earlier.

I am expecting 3 additional notices to come through as outlined.

I will continue to provide the information as it comes through.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [redacted] personal [redacted]@driveengineering.com.au>
Sent: Thursday, 12 August 2021 1:15 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: FW: WS2SD - Regulator Visits, Service Strike

FYI

From: [redacted] personal [redacted]@bhiv.com.au>
Sent: Thursday, 12 August 2021 1:08 PM
To: [redacted] personal [redacted]@driveengineering.com.au>
Cc: [redacted] personal [redacted]@bhiv.com.au>; [redacted] personal [redacted]@driveengineering.com.au>; [redacted] personal [redacted]@bielby.com.au>; [redacted] personal [redacted]@bielby.com.au>
Subject: WS2SD - Regulator Visits, Service Strike

[redacted] personal [redacted]

For your information, as a result of the service strike last night, we advise that Paul Kitchener attended site last night at around 8:00pm, where he issued a Non-Disturbance Notice requiring us to stop all work in and around the location of the service strike. This also applied to Energen who were in the process of looking at the permanent repairs required, and as a result of the notice stopped work.

[redacted] personal [redacted] information returned this morning around 7:00am and advised the Non-Disturbance Notice is now lifted and commended and investigation into the incident on behalf of WHSQ.

We are yet to receive these formally, however we have been verbally advised that we will be issued 1 x Prohibition Notice and 2 x Improvement Notices – when these are received we will forward them to yourself for your records.

We are also in the process of completing our own investigation, which we hope to have to you within a day.

We do apologise for this incident and the inconvenience that this incident may have caused sections of the community, and reassure you that we are looking at measures we need to implement to prevent re-occurrence.

Regards

personal

Project Manager
BE (Civil), MIE Aust, CPEng, RPEQ



16 Bailey Court, Brendale, Qld, 4500 | PO Box 5718, Brendale, Qld, 4500
Phone: (07) 3205 2633 | Mobile: NR E-mail: personal@bhjv.com.au

From: personal@bielby.com.au
Sent: Thursday, 12 August 2021 6:20 AM
To: personal@bhjv.com.au
Subject: Regulator Visits

personal

Regulator visits this week and notices attached.

personal visited on 10th of August expecting to join SLT. Stayed for twenty minutes nothing of significance to report. No issues

personal provides notice attached after visiting site the evening of the 11th August 2021 following notification by Energex of a HV service strike on our project.

personal

Safety Manager
Pacific Motorway Upgrade (M1) – SD2GM / WS2SD



Mobile: NR
Email: personal@bielby.com.au
www.bielby.com.au



Non-disturbance notice

This notice is issued under the *Work Health and Safety Act 2011* section 198, *Safety in Recreational Water Activities Act 2011* applied section 198 *Work Health and Safety Act 2011* or *Electrical Safety Act 2002* section 149. This notice requires the person with management or control of a workplace (which can mean a body corporate, government department or public authority) to preserve the site at which a notifiable incident has occurred or prevent the disturbance of a particular site for a specified period including the operation of plant. **The legislation requires that the person to whom a non-disturbance notice is issued must, as soon as possible, display a copy of the notice in a prominent place at or near the workplace, or part of the workplace at which work is being carried out that is affected by the notice.**

Work Health and Safety Act 2011
Electrical Safety Act 2002
Safety in Recreational Water Activities Act 2011

Notice No. NDI **1024305**

Notice issued to:

Legal name of person/business or undertaking:	Bielby JF HULL JOINT VENTURE		
ABN:	88191703417	ACN:	
Trading as:			
Address:	3/15 Dennis Road Springwood		Postcode: 4127

Details of non-disturbance:

Site location / plant location / plant identification:			
CNR Logan + Compton Rd Caterpillar 259D + excavated trench			
I, personal information personal information	on 11/8/2021	at 2045	require the person identified above to:
Inspector name	date	24 hour time	
<input type="checkbox"/> preserve the site at which a notifiable incident has occurred; or <input checked="" type="checkbox"/> prevent the disturbance of a particular site (including any plant, substance, structure or thing associated with the site).			
However, the issue of this notice does not prevent the person identified above taking any action:			
<ul style="list-style-type: none"> to assist an injured person; or to remove a deceased person; or that is essential to make the site safe or to prevent a further incident; or that is associated with a police investigation; or for which an inspector has given permission. 			

Measures to be taken to preserve the site or prevent disturbance of the site:

Maintain Flagged area around trench and flagged area around Cat 259D + trenching attachment. Not to be moved, disturbed, touched	

This notice will remain in force until:

Date	Time 24 hours
12/8/21	0730
A non-disturbance notice can apply only for a maximum of seven days. If the inspector considers it necessary to do so, he or she may issue one or more subsequent non-disturbance notice, either before or after the expiry of this notice.	

Issuing inspector:

NR	2056	NR
Signature of inspector	Inspector's ID	Inspector's contact number
11/8/21	Logan	
Date issued	Inspector's location	

Service method:

<input checked="" type="checkbox"/> Delivered personally	<input type="checkbox"/> Left for a person at the workplace	<input type="checkbox"/> Post	<input type="checkbox"/> Fax
<input type="checkbox"/> Email	<input type="checkbox"/> Left at the person's last known place of residence or business		
CTPI	PCBU representative		
Notice given to	Relationship to person to whom notice is issued		

Information about how to obtain a review of this decision is detailed on the back of this notice.

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice within the period stated. Failure to comply may incur a maximum penalty of \$50 000 for an individual, and \$250 000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

The Department of Justice and Attorney-General collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of the Department. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by The Department of Justice and Attorney-General to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.

The Department of Justice and Attorney-General privacy information is on our website at www.justice.qld.gov.au.

Matthew X Kelly

From: Paul A Grant
Sent: Thursday, 12 August 2021 3:57 PM
To: Matthew X Kelly
Cc: WHS Connect; Ross J Poidevin
Subject: Re: WS2SD - Regulator Visits, Service Strike

Great, thanks for your help

Kind regards

Paul A Grant
Regional Safety Advisor
South Coast Region |
Department of Transport and Main Roads

Ground Floor TMC
16-18 White Street Nerang Qld 4211
P: (07) 5563 6594 | F: (07) 5563 6611.
Mobile NR
VE: paul.a.grant@tmr.qld.gov.au
W: www.tmr.qld.gov.au

Sent from my iPhone

On 12 Aug 2021, at 3:31 pm, Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au> wrote:

Hi Paul,

Please find attached improvement notices and prohibition notice relating to the high voltage service strike that happened at the cnr Logan and Compton Rds late yesterday.

I have been discussing with WHS Connect and have them on the cc list.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [redacted] personal [redacted]@driveengineering.com.au>
Sent: Thursday, 12 August 2021 2:42 PM
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Cc: ws2sd <ws2sd@tmr.qld.gov.au>; [redacted] personal [redacted]@driveengineering.com.au>
Subject: FW: WS2SD - Regulator Visits, Service Strike

FYI

From: [personal] <[personal]@bhiv.com.au>
Sent: Thursday, 12 August 2021 2:39 PM
To: [personal] <[personal]@driveengineering.com.au>
Cc: [personal] <[personal]@bhiv.com.au>; [personal] <[personal]@driveengineering.com.au>; [personal] <[personal]@bielby.com.au>
Subject: RE: WS2SD - Regulator Visits, Service Strike

[personal]

Further to the email below, please find for your records 1 x Prohibition Notice and 2 x Improvement Notices that we have received today.

We are currently working on these and expect to have them closed out very shortly.

Should you have any questions, please don't hesitate to contact myself.

Regards

[personal]

Project Manager
BE (Civil), MIE Aust, CPEng, RPEQ
<image001.jpg>

16 Bailey Court, Brendale, Qld, 4500 | PO Box 5718, Brendale, Qld, 4500
Phone: (07) 3205 2633 | Mobile: [personal] E-mail: [personal]@bhiv.com.au

From: [personal]
Sent: Thursday, 12 August 2021 1:08 PM
To: [personal] <[personal]@driveengineering.com.au>
Cc: [personal] <[personal]@bhiv.com.au>; [personal] <[personal]@driveengineering.com.au>; [personal] <[personal]@bielby.com.au>; [personal] <[personal]@bielby.com.au>
Subject: WS2SD - Regulator Visits, Service Strike

[personal]

For your information, as a result of the service strike last night, we advise that Paul Kitchener attended site last night at around 8:00pm, where he issued a Non-Disturbance Notice requiring us to stop all work in and around the location of the service strike. This also applied to Energex who were in the process of looking at the permanent repairs required, and as a result of the notice stopped work.

[personal] returned this morning around 7:00am and advised the Non-Disturbance Notice is now lifted and commended and investigation into the incident on behalf of WHSQ.

We are yet to receive these formally, however we have been verbally advised that we will be issued 1 x Prohibition Notice and 2 x Improvement Notices – when these are received we will forward them to yourself for your records.

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We do apologise for this incident and the inconvenience that this incident may have caused sections of the community, and reassure you that we are looking at measures we need to implement to prevent re-occurrence.

Regards

[personal]

Project Manager

BE (Civil), MIE Aust, CPEng, RPEQ

<image002.jpg>

16 Bailey Court, Brendale, Qld, 4500 | PO Box 5718, Brendale, Qld, 4500

Phone: (07) 3205 2633 | Mobile: NR E-mail: personal@bhiv.com.au

From: personal@bielby.com.au>

Sent: Thursday, 12 August 2021 6:20 AM

To: personal@bhiv.com.au>

Subject: Regulator Visits

personal

Regulator visits this week and notices attached.

personal visited on 10th of August expecting to join SLT. Stayed for twenty minutes nothing of significance to report. No issues

personal issues notice attached after visiting site the evening of the 11th August 2021 following notification by Energex of a HV service strike on our project.

personal

Safety Manager

Pacific Motorway Upgrade (M1) – SD2GM / WS2SD

<image004.png>

<image005.jpg>

Mobile NR

Email personal@bielby.com.au

www.bielby.com.au

<IN - Bielby Hull Joint Venture - r300(1) - 12 August 2021.pdf>

<IN - Bielby Hull Joint Venture - r304(3) - 12 August 2021.pdf>

<PN - Bielby Hull Joint Venture - S19(3)(c) - 11 August 2021.pdf>

Matthew X Kelly

From: [personal]@driveengineering.com.au>
Sent: Thursday, 12 August 2021 1:15 PM
To: Matthew X Kelly; Ross J Poidevin
Subject: FW: WS2SD - Regulator Visits, Service Strike
Attachments: SKM_C360i21081206100.pdf

FYI

From: [personal]@bhjv.com.au>
Sent: Thursday, 12 August 2021 1:08 PM
To: [personal]@driveengineering.com.au>
Cc: [personal]@bhjv.com.au> [personal]@driveengineering.com.au>; [personal]@bielby.com.au>; [personal]@bielby.com.au>
Subject: WS2SD - Regulator Visits, Service Strike

[personal]

For your information, as a result of the service strike last night, we advise that [personal] attended site last night at around 8:00pm, where he issued a Non-Disturbance Notice requiring us to stop all work in and around the location of the service strike. This also applied to Energex who were in the process of looking at the permanent repairs required, and as a result of the notice stopped work.

[personal] returned this morning around 7:00am and advised the Non-Disturbance Notice is now lifted and commended and investigation into the incident on behalf of WHSQ.

We are yet to receive these formally, however we have been verbally advised that we will be issued 1 x Prohibition Notice and 2 x Improvement Notices – when these are received we will forward them to yourself for your records.

We are also in the process of completing our own investigation, which we hope to have to you within a day.

We do apologise for this incident and the inconvenience that this incident may have caused sections of the community, and reassure you that we are looking at measures we need to implement to prevent re-occurrence.

Regards

[personal]
Project Manager
BE (Civil), MIE Aust, CPEng, RPEQ



16 Bailey Court, Brendale, Qld, 4500 | PO Box 5718, Brendale, Qld, 4500
Phone: (07) 3205 2633 | Mobile: [personal] E-mail: [personal]@bhjv.com.au

From: [personal]@bielby.com.au>
Sent: Thursday, 12 August 2021 6:20 AM
To: [personal]@bhjv.com.au>
Subject: Regulator Visits

[personal]

Regulator visits this week and notices attached.

personal visited on 10th of August expecting to join SLT. Stayed for twenty minutes nothing of significance to report. No issues

personal issues notice attached after visiting site the evening of the 11th August 2021 following notification by Energex of a HV service strike on our project.

personal

Safety Manager
Pacific Motorway Upgrade (M1) – SD2GM / WS2SD



Mobile -NR
Email personal@bielby.com.au
www.bielby.com.au



Non-disturbance notice

This notice is issued under the *Work Health and Safety Act 2011* section 198, *Safety in Recreational Water Activities Act 2011* applied section 198 *Work Health and Safety Act 2011* or *Electrical Safety Act 2002* section 149. This notice requires the person with management or control of a workplace (which can mean a body corporate, government department or public authority) to preserve the site at which a notifiable incident has occurred or prevent the disturbance of a particular site for a specified period including the operation of plant. **The legislation requires that the person to whom a non-disturbance notice is issued must, as soon as possible, display a copy of the notice in a prominent place at or near the workplace, or part of the workplace at which work is being carried out that is affected by the notice.**

Work Health and Safety Act 2011
Electrical Safety Act 2002
Safety in Recreational Water Activities Act 2011

Notice No. NDI **1024305**

Notice issued to:

Legal name of person/business or undertaking:	Bielby JF HULL JOINT VENTURE		
ABN:	88191703417	ACN:	
Trading as:			
Address:	3/15 Dennis Road Springwood		Postcode: 4127

Details of non-disturbance:

Site location / plant location / plant identification:			
CNR Logan + Compton Rd Caterpillar 259D + excavated trench			
I, personal information	on 11/8/2021	at 2045	require the person identified above to:
Inspector name	date	24 hour time	
<input type="checkbox"/> preserve the site at which a notifiable incident has occurred; or <input checked="" type="checkbox"/> prevent the disturbance of a particular site (including any plant, substance, structure or thing associated with the site).			
However, the issue of this notice does not prevent the person identified above taking any action:			
<ul style="list-style-type: none"> to assist an injured person; or to remove a deceased person; or that is essential to make the site safe or to prevent a further incident; or that is associated with a police investigation; or for which an inspector has given permission. 			

Measures to be taken to preserve the site or prevent disturbance of the site:

Maintain Flagged area around trench and flagged area around Cat 259D + trenching attachment. Not to be moved, disturbed, touched	

This notice will remain in force until:

Date	Time 24 hours
12/8/21	0730
A non-disturbance notice can apply only for a maximum of seven days. If the inspector considers it necessary to do so, he or she may issue one or more subsequent non-disturbance notice, either before or after the expiry of this notice.	

Issuing inspector:

NR	2056	NR
Signature of inspector	Inspector's ID	Inspector's contact number
11/8/21	Logan	
Date issued	Inspector's location	

Service method:

<input checked="" type="checkbox"/> Delivered personally	<input type="checkbox"/> Left for a person at the workplace	<input type="checkbox"/> Post	<input type="checkbox"/> Fax
<input type="checkbox"/> Email	<input type="checkbox"/> Left at the person's last known place of residence or business		
CTPI		PCBU representative	
Notice given to		Relationship to person to whom notice is issued	

Information about how to obtain a review of this decision is detailed on the back of this notice.

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice within the period stated. Failure to comply may incur a maximum penalty of \$50 000 for an individual, and \$250 000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

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The Department of Justice and Attorney-General privacy information is on our website at www.justice.qld.gov.au.

ws2sd

From: [personal]@driveengineering.com.au>
Sent: Friday, 13 August 2021 1:38 PM
To: [personal]
Cc: ws2sd; [personal]
Subject: FW: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)

Importance: High

Categories: DMS

Hi [personal]

As discussed. We're keen to get back to Energex to clarify what discussions/ agreements have taken place on site.

NR

Could you get one of your team to review the email chain below, and provide some dot points around the discussions and agreements in place with your Energex contacts. It would be helpful if you could get something back to me by Monday 16 August 2021.

Let me know if you need any further information.

Cheers

[personal]



From: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Sent: Friday, 13 August 2021 1:15 PM
To: [personal]@driveengineering.com.au>
Subject: FW: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)
Importance: High

Will drop by to discuss

From: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>
Sent: Friday, 13 August 2021 12:21 PM
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Cc: David I Selth <David.I.Selth@tmr.qld.gov.au>
Subject: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)
Importance: High

Hi Ross

I was wondering if you are the right person to refer this issue escalation onto **personal** and trying to find out if the correct processes have been followed and if TMR is aware of the issues at hand.

If you are the right person, would you please contact **personal** as soon as possible and let me know? If not, are you able to please point to the right person?

personal

EQL
Principal Engineer Netv

(07) 3664-4441 Work
+NR Work
(04) 3913 0595 Mobile

Warm regards
Nicola

Dr. Nicola Boyd
Manager | Utilities and Stakeholders
Program Management and Delivery | Program Delivery and Operations | Department of Transport and Main Roads

Floor 18 | 313 Adelaide Street | Brisbane Qld 4000
GPO Box 1549 | Brisbane City Qld 4001
(07) 30666766 | M NR
nicola.m.boyd@tmr.qld.gov.au
www.tmr.qld.gov.au

From: **personal** <personal@energyq.com.au>

Sent: Friday, 13 August 2021 8:50 AM

To: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>

Subject: FW: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

Hi Nicola,

Hoping you can assist with this one. It seems there is a TMR contractor working outside the Energex North Springwood substation (Bielby Hull JV - Watland St to Sports Drive project). NR and have unfortunately dug up a cable yesterday.

The bottom email in this chain (from NR) has some more info and it seems that there may be work going on within the Energex property boundary by the contractors.

I would expect Energex reps are discussing/managing the cable incident yesterday with the contractor directly. Can you please let me know who is managing this project on TMR's side or who we can discuss this with just to ensure the correct processes have occurred in this instance?

Thanks

personal

From: **personal** <personal@energyq.com.au>

Sent: Thursday, 12 August 2021 7:49 AM

To: **personal** <personal@energyq.com.au>

Subject: FW: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

Hi **personal**

looks like they have dug up a cable yesterday.

INCD - 37896 - Road works contractor hit 11kV cable whilst excavating. Bielby Hull JV. Site contact CTPI <CTPI@bhiv.com.au>

CTPI contacted ESO to advise.

Outside SSNSW Logan Rd Underwood

Cheers

personal

From: personal <[redacted]@energex.com.au>

Sent: Thursday, 24 June 2021 11:29 AM

To: personal <[redacted]@energex.com.au>

Cc: Town Planning (Energex) <townplanning@energex.com.au>; personal <[redacted]@energex.com.au>

Subject: RE: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

NR



Matthew X Kelly

From: Ross J Poidevin
Sent: Friday, 13 August 2021 1:40 PM
To: Matthew X Kelly
Subject: FW: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)

From: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>
Sent: Friday, 13 August 2021 1:32 PM
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: RE: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)

Thanks Ross

I'll pass your name on to personal information

Warm regards

Nicola

Dr. Nicola Boyd
Manager | Utilities and Stakeholders
Program Management and Delivery | Program Delivery and Operations | Department of Transport and Main Roads

Floor 18 | 313 Adelaide Street | Brisbane Qld 4000
GPO Box 1549 | Brisbane City Qld 4001
(07) 30666766 | M NR
nicola.m.boyd@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Sent: Friday, 13 August 2021 1:15 PM
To: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>
Cc: David I Selth <David.I.Selth@tmr.qld.gov.au>
Subject: RE: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)

Hi Nicola,
Yes, part of our project, will look into.
Cheers,
Ross

From: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>
Sent: Friday, 13 August 2021 12:21 PM
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Cc: David I Selth <David.I.Selth@tmr.qld.gov.au>
Subject: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)
Importance: High

Hi Ross

I was wondering if you are the right person to refer this issue escalation onto personal information as trying to find out if the correct processes have been followed and if TMR is aware of the issues at hand.

If you are the right person, would you please contact personal information as soon as possible and let me know? If not, are you able to please point to the right person?

personal

EQL
Principal Engineer Netv

(07) 3664-4441 Work
+61 NR Work
(04) 3917 0595 Mobile

Warm regards
Nicola

Dr. Nicola Boyd
Manager | Utilities and Stakeholders
Program Management and Delivery | Program Delivery and Operations | Department of Transport and Main Roads

Floor 18 | 313 Adelaide Street | Brisbane Qld 4000
GPO Box 1549 | Brisbane City Qld 4001
(07) 30666766 | M NR
nicola.m.boyd@tmr.qld.gov.au
www.tmr.qld.gov.au

From: personal <@energyq.com.au>
Sent: Friday, 13 August 2021 8:50 AM
To: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>
Subject: FW: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

Hi Nicola,

Hoping you can assist with this one. It seems there is a TMR contractor working outside the Energex North Springwood substation (Bielby Hull JV - Watland St to Sports Drive project). NR and have unfortunately dug up a cable yesterday.

The bottom email in this chain (from NR) has some more info and it seems that there may be work going on within the Energex property boundary by the contractors.

I would expect Energex reps are discussing/managing the cable incident yesterday with the contractor directly. Can you please let me know who is managing this project on TMR's side or who we can discuss this with just to ensure the correct processes have occurred in this instance?

Thanks

personal

From: personal <@energyq.com.au>
Sent: Thursday, 12 August 2021 7:49 AM
To: personal <@energyq.com.au>
Subject: FW: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

Hi personal

looks like they have dug up a cable yesterday.

INCD - 37896 - Road works contractor hit 11kV cable whilst excavating. Bielby Hull JV. Site contact CTPI <@bhiv.com.au>
CTPI contacted ESO to advise.
Outside SSNSW Logan Rd Underwood

Cheers

personal

From: [redacted] personal [redacted]@energex.com.au>
Sent: Thursday, 24 June 2021 11:29 AM
To: [redacted] personal [redacted]@energyq.com.au>
Cc: Town Planning (Energex) <townplanningex@energex.ccm.au>; [redacted] personal [redacted]@energex.com.au>
Subject: RE: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

NR

Released under RTI - DTMR

Matthew X Kelly

From: Ross J Poidevin
Sent: Friday, 13 August 2021 1:40 PM
To: Matthew X Kelly
Subject: FW: New Incident - PAN 7817 - High Potential - Enforcement Notice: Skid Steer loader struck underground electrical power cabling
Attachments: PAN 7817 - Incident Notification.pdf; PAN 7817 - Prohibition Notice P1026774.pdf; PAN 7817 - Improvement Notice I2058063.pdf; PAN 7817 - Improvement Notice I2058062.pdf; PAN 7817 - Non-disturbance notice 1024305.pdf; Incident Investigation Report Template.pdf; WHS Incident Corrective Actions Plan.pdf

From: Andrew M Wheeler <Andrew.M.Wheeler@tmr.qld.gov.au>
Sent: Friday, 13 August 2021 9:55 AM
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Cc: Paul D Noonan <Paul.D.Noonan@tmr.qld.gov.au>; David I Selth <David.I.Selth@tmr.qld.gov.au>
Subject: FW: New Incident - PAN 7817 - High Potential - Enforcement Notice: Skid Steer loader struck underground electrical power cabling

Hi Ross, please advise actions from the contractor and explanations in relation to the attached notices.

This needs to be escalated and responded to from CLT

Thanks

Kind Regards,

Andrew Wheeler
Deputy Regional Director | South Coast Region
Program Delivery And Operations Branch | Infrastructure Management and Delivery Division
Department of Transport and Main Roads

Floor 1 | Nerang - Gold Coast Office | 36-38 Cotton Street | Nerang Qld 4211
PO Box 442 | Nerang Qld 4211
P: (07) 30665816 | F: (07) 55636611
W: www.tmr.qld.gov.au

From: WHS Connect <WHS_Connect@tmr.qld.gov.au>
Sent: Friday, 13 August 2021 9:21 AM
To: High Potential <High_Potential@tmr.qld.gov.au>; Jeff A Lucht <jeff.a.lucht@tmr.qld.gov.au>; Paul A Grant <Paul.A.Grant@tmr.qld.gov.au>; Andrew S Matters <Andrew.S.Matters@tmr.qld.gov.au>; Amanda Yeates <Amanda.Z.Yeates@tmr.qld.gov.au>; Andrew M Wheeler <Andrew.M.Wheeler@tmr.qld.gov.au>; Belinda L Stewart <Belinda.L.Stewart@tmr.qld.gov.au>; Paul D Noonan <Paul.D.Noonan@tmr.qld.gov.au>; Robert E Ebbstein <Robert.E.Ebbstein@tmr.qld.gov.au>; Debbie A Nankivell <Debbie.A.Nankivell@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: New Incident - PAN 7817 - High Potential - Enforcement Notice: Skid Steer loader struck underground electrical power cabling

The above incident has been recorded in the TMR Safeware incident database.

Please review the attached incident report and contact WHS Connect if:

- any of the information contained in the report is incorrect
- you have any additional information relating to the incident.

As TMR is not the primary duty holder for the site where this incident occurred, the contracting company must undertake an investigation of the incident.

The investigation must be:

- completed within 15 working days of the date the incident occurred
- endorsed by the TMR District Director (or above) who is accountable for the geographic region where the incident took place.

Actions required

- The final page of the attached TMR [Incident Investigation Report](#) must be attached to the contractor's completed investigation report and signed by the TMR District Director (or above)
- The endorsed investigation report must be forwarded to [WHS Connect](#)

Further information is available in the:

- [Reporting Workplace Incidents procedure](#)
- [Incident Investigation procedure](#)
- [Workplace Investigation Guide](#).

Please contact [WHS Connect](#) on 1800 867 947 if you have any questions or require further information.

Kind regards,

Robyn Ballangarry

WHS Connect Officer | Health and Safety

Human Resources Branch | Department of Transport and Main Roads

Floor 6 | 61 Mary Street | Brisbane QLD 4000

GPO Box 1412 | Brisbane QLD 4001

P: (07) 1800 867 947

E: whs_connect@tmr.qld.gov.au

Privacy

TMR is required to comply with the 11 Information Privacy Principles contained in the *Information Privacy Act 2009*.

All personal information collected must be kept confidential. Any personal information collected about a worker must only be divulged to authorised persons for the sole purpose of managing health and safety risks. The information collected must not be disclosed to any third party without the workers consent unless required or authorised to do so by law.

WHS Incident Corrective Action Plan

PART A - Initial Risk and immediate actions

Date:

Incident No:

Using the matrix below assess the Risk Level immediately after the incident occurred. (Refer to Figure A & B on the next page for definitions and example)

Select the likelihood, consequence and initial risk level in the below boxes.

Likelihood

Consequence

Initial Risk Level =

Risk Dimensions		Likelihood				
		Rare	Unlikely	Possible	Likely	Almost Certain
Consequence	Severe	HIGH	HIGH	HIGH	EXTREME	EXTREME
	Major	MEDIUM	MEDIUM	HIGH	HIGH	EXTREME
	Moderate	LOW	MEDIUM	MEDIUM	HIGH	HIGH
	Minor	LOW	LOW	MEDIUM	MEDIUM	MEDIUM
	Insignificant	LOW	LOW	LOW	MEDIUM	MEDIUM

Enter the action/s undertaken immediately after the incident occurred.

Was the Risk eliminated after the immediate actions (for example, by removing trip hazards or hazardous chemicals?)

PART B - Control Measures (If the Risk was not eliminated implement Control Measures to minimise the Risk.)

Name and position of the person responsible for implementing Control Measures.

Name

Position

Control Measure 1 - select from Hierarchy of Controls drop down list. (Refer to Figure C on the next page for definitions)

Provide a full description of **Control Measure 1** implemented.

Est. Date of implementation of **Control Measure 1**

% of Control Measure completed

Review Date

Control Measure 2 - select from Hierarchy of Controls drop down list.

(Note: Multiple Control Measures may not be necessary for every incident)

Provide a full description of **Control Measure 2** implemented.

Est. Date of implementation of **Control Measure 2**

% of Control Measure completed

Review Date

PART C - Assess the residual Risk.

Using the matrix above assess the Risk Level after the implementation of Control Measures.

Was the Risk eliminated after the implementation of Control Measures?

Residual Risk Level =

1. If more Control Measures are required please complete an additional Corrective Actions Form.
2. All fields are required to be completed to allow the corrective actions to be entered into the database.

Figure A

Example: The "Likelihood" of the incident occurring is **possible** and the "Consequence" is **moderate**. Draw a line horizontally across from the likelihood and vertically down from the consequence. Where the lines meet is the Risk Level. In this case the risk level is Medium.

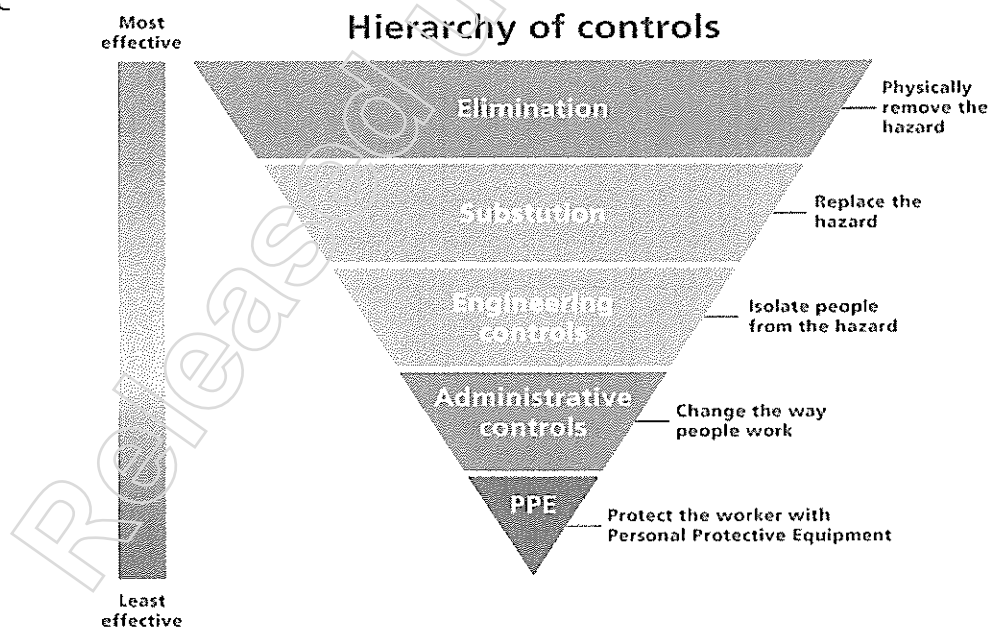
Risk Dimensions		Likelihood				
		Rare	Unlikely	Possible	Likely	Almost Certain
Consequence	Severe	HIGH	HIGH	HIGH	EXTREME	EXTREME
	Major	MEDIUM	MEDIUM	HIGH	HIGH	EXTREME
	Moderate	LOW	MEDIUM	MEDIUM	HIGH	HIGH
	Minor	LOW	LOW	MEDIUM	MEDIUM	MEDIUM
	Insignificant	LOW	LOW	LOW	MEDIUM	MEDIUM

Figure B

Likelihood	Description
Almost Certain	Is expected to occur in most circumstances (e.g. weekly).
Likely	Will probably occur in most circumstances (e.g. at least once a month).
Possible	Will probably occur in some circumstances (e.g. at least once every 12 months).
Unlikely	Could occur at some time but unlikely (e.g. at least once every 5 years).
Rare	May occur only in very exceptional circumstances.

Consequence	Description (Includes actual or probable occurrences)
Severe	<ul style="list-style-type: none"> Fatality, or significant disabling injury/illness to one or more persons. Significant prolonged health issues.
Major	<ul style="list-style-type: none"> Considerable irreversible injury/illness to one or more persons. Serious reversible injury/illness to one or more persons. Progressive chronic condition, serious health issues.
Moderate	<ul style="list-style-type: none"> Moderate irreversible injury/illness to one or more persons. Reversible injury/illness to one or more persons resulting in time lost and/or restricted duties. Acute short-term health issues.
Minor	<ul style="list-style-type: none"> Reversible injury/illness to one or more persons requiring medical treatment but does not result in time lost or restricted duties. Unresolved minor health issues.
Insignificant	<ul style="list-style-type: none"> Injury/illness requiring first-aid treatment at most. Treatable health issues.

Figure C



Incident Investigation Report Form

Purpose: The purpose of this form is to record the incident investigation, refer to Incident Investigation Procedure. The Incident Investigation Guideline may be used to assist with data collection.

(External Contractor Investigation Reports: Complete section 8 of this document and attach to original report)

Once completed click "Save As" and save the document to your local drive.

1. Report complied by:

Name Position
Telephone Date

1.1 (Road Tek only) WIN Number - Mandatory

Win number

2. Incident summary

SHE incident number Time Field Date Field

Incident Title

Division/Branch

District/Region

Section

Unit

Team

Location of incident

Witness names

Injured or exposed person Witness statements attached ☐

Injuries (brief details, include potential injuries if near miss)

Plant and equipment involved with brief details of damage (include potential damage if near miss)

Was this incident notifiable to WHSQ? ☐ If yes, date reported Copy of report attached ☐

Note: A Notifiable incident is reportable to Workplace Health and Safety Queensland in accordance with Part 3. Work Health and Safety Act 2011. For more information call 1300 369 915.

3. Incident Description: Describe details of the scene, the weather and peoples first reponses. The investigation guide may assist with this.

4. Root Causes: Provide the causative factors that led to the incident (i.e incorrect manual handling, failure in procedures etc).

1.

2.

3.

4.

5.

5. Corrective Actions (implemented within two working days)

Corrective Action No 1

Responsible Officer

Due Date

Hazard Category - Type

Hazard description

Corrective Actions

Corrective Action No 2

Responsible Officer

Due Date

Hazard Category - Type

Hazard description

Corrective Actions

Corrective Action No 3

Responsible Officer

Due Date

Hazard Category - Type

Hazard description

Corrective Actions

Corrective Action No 4 Responsible Officer

Due Date

Hazard Category - Type

Hazard description

Corrective Actions

Corrective Action No 5 Responsible Officer

Due Date

Hazard Category - Type

Hazard description

Corrective Actions

6. Discussion & Recommendations

7. Recommended Control Measures

1.

2.

3.

4.

5.



8. Review/Endorsement

The following officers have reviewed this document and acknowledged that the report is issued with changes in its entirety

Position	Name	Signature	Date
Investigator			
Supervisor/Manager			
Deputy Regional Director			
Regional Director			
General Manager (or the GMs delegate below)			
General Managers Appointed Delegate			

Note:

- At a minimum this report must be signed off by the Investigator and the appropriate designated officer in accordance with section Incident Investigation Procedure
- Recommendations will be assigned and managed via the relevant WIN System if applicable (RoadTek ONLY).

Related Documents

[Reporting Workplace Incidents Procedure.](#)

[Incident Investigation Procedure](#)

[Incident Investigation Guideline](#)

Related Documents

[Incidents Investigation Guide](#)

[Incident Reporting & Investigation Checklist](#)

[Witness Statement Form](#)

Note: Where TMR is the primary duty holder the investigation must be undertaken by TMR. The investigation report must be endorsed by the General Manager who is accountable for the business unit where the incident took place; or a delegated officer as appointed by the General Manager.

In instances where TMR is the client, and is not the primary duty holder, the contracting company must undertake the investigation.

At a minimum, the investigation report must be endorsed by the District Director accountable for the geographic region where the incident took place.

Privacy

TMR is required to comply with the 11 Information Privacy Principles contained in the Information Privacy Act 2009. All personal information collected in this document must be kept confidential. Any personal information collected about a worker must only be divulged to authorised persons for the sole purpose of managing health and safety risks. The information collected must not be disclosed to any third party without the workers consent unless required or authorised to do so by law.

Details

Incident Type: Near Miss
Status: New
Time Zone: (UTC +10:00) Brisbane
Inc. Statistical Reporting: Yes
Date of Incident: Wednesday, 11 August 2021
Time of Incident: 8:00 PM
Date Logged: Friday, 13 August 2021
Time Logged: 8:43 AM
Assigned To: Matthew Kelly
Did an injury occur: No
Is confidential: No
Restricted Work Duties: No
HiPo: No

Risk Assessment

Inherent Rate:
Residual Rate:

Title

Skid Steer loader struck underground electrical power cabling

Description

PDO (South Coast Region) . Principal Contractor - Bielby Hull Joint Venture - (WS2SD – Watland Street to Sports Drive Project). Trenching works were being undertaken with the use of a skid steer loader with a trenching attachment. Underground power has been struck causing a localised network disruption resulting in power loss to approximately 350 residences. WHSQ attended the site during repair works and a Non-Disturbance Notice was issued requiring all works to cease in and around the service strike. A temporary fix was implemented by Energex to get the network back online. A WHSQ inspector attended the site at 7:00am on Thursday 12 August and advised the Non-Disturbance Notice had been lifted and an investigation would be commence. More permanent repair works by Energex will be undertaken at a future date. The Principal Contractor has been verbally advised that further Enforcement Notices will be issued relating to this incident. The Principal Contractor is in the process of completing an investigation and will provide further information when available. Enforcement notices were issued to the Principal Contractor the following day.

Security Impact

Security Impact: No
Identified Security:
Impact Description:

Environment Impact

Environmental Impact: No

Classification

Identify what occurred: Contact with electricity

What was the most significant cause: Other adults

Incident Location

The Incident is located: Non TMR Site,

Location Details: Logan Road & Compton Road Intersection -
Springwood. (WS2SD – Watland Street to Sports Drive Project)

Work/activity Being Performed

Work/Activity Category: Road Work / Construction / Maintenance

Work/Activity Frequency: Once Off

Activity Being Performed: Trenching works

Property Damage

Was there any property involved/damaged: No

Relevant Event

High Potential - Enforcement Notice

Witness Details

Witness Available: No

Vehicle Involved

Vehicle Involved: No

Notification

Manager/Supervisor: Matthew Kelly, 12/08/2021 11:37 AM

Other Internal Person: Paul Grant, 12/08/2021 1:46 PM

External Person:

Person affected:

CTPI

Details:

Name: Robyn Ballangarry

Person Type: personal information

Position Title: WHS Officer

Business Unit: Health & Safety

Person Workplace: personal information

Work Phone:

Email: ROBYN.M.BALLANGARRY@TMR.
QLD.GOV.AU

Notified On Behalf Of:

Name: CTPI

Person Type: Principal Contractor

Position Title:

Business Unit: M1 Upgrade Program

Person Workplace: Gold Coast District Off
FIG 36 Cotton St

Work Phone:

Email:

Improvement notice

Notice No. I2058062

V1.3.18

Work Health and Safety Act 2011, Electrical Safety Act 2002, Safety in Recreational Water Activities Act 2011

This notice is issued under the *Work Health and Safety Act 2011* section 191, *Safety in Recreational Water Activities Act 2011* applied section 191 *Work Health and Safety Act 2011* or *Electrical Safety Act 2002* section 146. This notice requires the person (which includes a body corporate, government department or public authority) to whom it is issued to remedy a contravention of the Act or Regulations. **The legislation requires that the person to whom an improvement notice is issued must, as soon as possible, display a copy of the notice in a prominent place at or near the workplace, or part of the workplace at which work is being carried out that is affected by the notice.**

Notice issued to:

Legal name of person/business or undertaking: BIELBY HULL JOINT VENTURE	
ABN: 88191703417	ACN:
Trading as:	
Address: LEVEL 1/23A GRAHAM ST, MILTON 4064 QLD	

Details of contravention:

Site location
CNR LOGAN RD AND COMPTON RD (3317 LOGAN ROAD, SLACKS CREEK)
personal information reasonably believe on 12-AUG-2021 at 11:00 that you are contravening a provision of the: <i>Work Health and Safety Regulation 2011</i> - regulation 300(1)

Brief description of how the provision is being or has been contravened:

I attended the workplace in relation to an incident which had occurred on 11 August 2021 in which an item of plant contacted an 11kv underground electrical asset (Underground essential service). The SWMS for the task (SWMS-201) identifies on page 4 that the 'supervisor must perform an inspection of the excavation works', and 'Where public utility services exist or are suspected in an excavation works area, potholing or locating must take place to confirm their location before starting'. The Excavation and Ground Disturbance Permit for the period 1/8/2021 to 15/8/2021 also states on page 2 that Electrical - High Voltage is within the work area and that 'Positive ID prior to ground disturbance near service'. You have failed to ensure that actions took place to confirm the location of underground assets. You have not ensured that High Risk Construction Work is carried out in accordance with the SWMS.
--

Directions (if any) as to the measures to be taken to remedy or prevent the contravention or likely contravention:

It is mandatory to comply with these directions

Work Health and Safety Regulation 2011 - regulation 300(1) A person conducting a business or undertaking that includes the carrying out of high risk construction work must put in place arrangements for ensuring that high risk construction work is carried out in accordance with the safe work method statement for the work.

Recommendations (if any): It is not an offence to fail to comply with recommendations in a notice.

--

Issuing inspector:

NR	2056	NR
Signature of inspector	Inspector's ID	Inspector's contact number
12-AUG-2021	PO BOX 226, IPSWICH 4305 QLD	
Date issued	Inspector's location	

This contravention must be remedied before: Service method:

17-AUG-2021	Delivered directly to the person named by electronic transmission
CTPI	Management Representative For Person Conducting A Business Or Undertaking
Notice given to	Relationship to person to whom notice is issued

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice. You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

The Office of Industrial Relations (OIR) collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of OIR. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by OIR to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.



Improvement notice**Notice No. I2058062**

V1.3.18

Work Health and Safety Act 2011, Electrical Safety Act 2002, Safety in Recreational Water Activities Act 2011

This portion may be signed and returned where contravention has been remedied before the stated date.
I certify that the requirements of this notice have been complied with:

Name *in block letters*: _____ Position: _____

Signature: _____ Date complied: / /

ABN 94 496 188 983

Notice No. I2058062

Released under RTI - DTMR

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice. You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.

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Internal review of decision

An eligible person whose interests are affected by an original decision may apply for the decision to be reviewed. Refer to the Internal review of decision ? guide for applicants, at www.worksafe.qld.gov.au

An eligible person is:

1. The person to whom the notice was issued.
2. A person conducting a business or undertaking whose interests are affected by the decision.
3. A worker whose interests are affected by the decision.
4. A health and safety representative who represents a worker whose interests are affected by the decision.

How does a person apply for a review of a decision?

The application for internal review must:

- a) be made in the approved form to the reviewer
- b) supported by enough information to enable the reviewer to decide the application

An application for internal review relating to an improvement notice issued under the *Work Health and Safety Act 2011* and the *Safety in Recreational Water Activities Act 2011* must be lodged before the date stated in the notice for compliance or within 14 calendar days of the decision coming to the notice of the eligible person, whichever is the lesser.

For an improvement notice issued under the *Electrical Safety Act 2002*, the application for internal review must be made within 14 days after the day the applicant receives the notice.

Lodgement of the form can be made via email whsrod@oir.qld.gov.au. Information about how to apply for an internal review of decision, including the application form, is available at www.worksafe.qld.gov.au or by calling 1300 362 128. There is no application fee.

The operation of the improvement notice is stayed (suspended) once the application for review of decision is lodged. The stay remains in effect until a decision is made by the internal reviewer and whichever of the following is earlier ? an external review is applied for or, 28 days have elapsed since the person became aware of the decision.

What happens next?

The internal reviewer must make a decision within 14 calendar days of receiving the application for internal review. The internal reviewer can confirm or vary the reviewable decision, or set aside the reviewable decision and substitute the original decision for another decision. Once the internal reviewer makes the decision, they must notify the applicant of the decision and the reasons for the decision in writing.

External review

An eligible person may apply to an external review body for a review of the internal decision of the internal decision reviewer, or the original decision of the regulator. From the day the applicant received or became aware of the decision, an application for external review must be made within:

- 30 calendar days to the Queensland Industrial Relations Commission (QIRC) relating to the *Work Health and Safety Act 2011*;
- 28 calendar days to the Queensland Civil Administration Tribunal (QCAT) relating to the *Electrical Safety Act 2002* or the *Safety in Recreational Waters Act 2011*.

QCAT and QIRC may confirm or vary the original decision, set aside the original decision and substitute another decision or set aside the original decision and return the matter to the decision maker with appropriate directions.

Please refer to www.worksafe.qld.gov.au or phone 1300 362 128 for more information on how to apply for an external review.

Privacy collection statement

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The OIR's privacy information is on our website at www.worksafe.qld.gov.au.

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.

Improvement notice

Notice No. I2058063

V1.3.18

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Notice issued to:

Legal name of person/business or undertaking: BIELBY HULL JOINT VENTURE	
ABN: 88191703417	ACN:
Trading as:	
Address: LEVEL 1/23A GRAHAM ST, MILTON 4064 QLD	

Details of contravention:

Site location
CNR LOGAN RD AND COMPTON RD (3317 LOGAN ROAD, SLACKS CREEK)
personal information reasonably believe on 12-AUG-2021 at 11:00 that you have contravened a provision in circumstances that make it likely that the contravention will continue or be repeated of the:
Work Health and Safety Regulation 2011 - regulation 304(3)

Brief description of how the provision is being or has been contravened:

I attended the workplace in relation to an incident which had occurred on 11 August 2021 in which an item of plant contacted an 11kv underground electrical asset (Underground essential service). A statement taken from the worker operating the item of plant identified that you did not provide information relating to the location of underground essential services until after the incident occurred. This information was confirmed in an interview with your supervisor. You have not ensured that you have provided information obtained under subsection 304 (2) to any person engaged by the person to carry out the excavation work.

Directions (if any) as to the measures to be taken to remedy or prevent the contravention or likely contravention:

It is mandatory to comply with these directions

Work Health and Safety Regulation 2011 - regulation 304(3) The person with management or control of the workplace must provide the information obtained under subsection 304 (2) to any person engaged by the person to carry out the excavation work.

Recommendations (if any): It is not an offence to fail to comply with recommendations in a notice.

--

Issuing inspector:

NR	2056	NR
Signature of inspector	Inspector's ID	Inspector's contact number
12-AUG-2021	PO BOX 226, IPSWICH 4305 QLD	
Date issued	Inspector's location	

This contravention must be remedied before: Service method:

17-AUG-2021	Delivered directly to the person named by electronic transmission
CTPI	Management Representative For Person With Management Or Control Of A Workplace
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Improvement notice**Notice No. I2058063**

V1.3.18

Work Health and Safety Act 2011, Electrical Safety Act 2002, Safety in Recreational Water Activities Act 2011

This portion may be signed and returned where contravention has been remedied before the stated date.
I certify that the requirements of this notice have been complied with:

Name *in block letters*: _____ Position: _____

Signature: _____ Date complied: / /

ABN 94 496 188 983

Notice No. I2058063

Released under RTI - DTMR

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An eligible person is:

1. The person to whom the notice was issued.
2. A person conducting a business or undertaking whose interests are affected by the decision.
3. A worker whose interests are affected by the decision.
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How does a person apply for a review of a decision?

The application for internal review must:

- a) be made in the approved form to the reviewer
- b) supported by enough information to enable the reviewer to decide the application

An application for internal review relating to an improvement notice issued under the *Work Health and Safety Act 2011* and the *Safety in Recreational Water Activities Act 2011* must be lodged before the date stated in the notice for compliance or within 14 calendar days of the decision coming to the notice of the eligible person, whichever is the lesser.

For an improvement notice issued under the *Electrical Safety Act 2002*, the application for internal review must be made within 14 days after the day the applicant receives the notice.

Lodgement of the form can be made via email whsrod@oir.qld.gov.au. Information about how to apply for an internal review of decision, including the application form, is available at www.worksafe.qld.gov.au or by calling 1300 362 128. There is no application fee.

The operation of the improvement notice is stayed (suspended) once the application for review of decision is lodged. The stay remains in effect until a decision is made by the internal reviewer and whichever of the following is earlier ? an external review is applied for or, 28 days have elapsed since the person became aware of the decision.

What happens next?

The internal reviewer must make a decision within 14 calendar days of receiving the application for internal review. The internal reviewer can confirm or vary the reviewable decision, or set aside the reviewable decision and substitute the original decision for another decision. Once the internal reviewer makes the decision, they must notify the applicant of the decision and the reasons for the decision in writing.

External review

An eligible person may apply to an external review body for a review of the internal decision of the internal decision reviewer, or the original decision of the regulator. From the day the applicant received or became aware of the decision, an application for external review must be made within:

- 30 calendar days to the Queensland Industrial Relations Commission (QIRC) relating to the *Work Health and Safety Act 2011*;
- 28 calendar days to the Queensland Civil Administration Tribunal (QCAT) relating to the *Electrical Safety Act 2002* or the *Safety in Recreational Waters Act 2011*.

QCAT and QIRC may confirm or vary the original decision, set aside the original decision and substitute another decision or set aside the original decision and return the matter to the decision maker with appropriate directions.

Please refer to www.worksafe.qld.gov.au or phone 1300 362 128 for more information on how to apply for an external review.

Privacy collection statement

The Office of Industrial Relations (OIR) collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of OIR. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by the OIR to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.

The OIR's privacy information is on our website at www.worksafe.qld.gov.au.

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice within the period stated. Failure to comply with this notice may incur a maximum penalty of \$50,000 for an individual and \$250,000 for a body corporate, government department or public authority.



Prohibition notice

This notice is issued under the *Work Health and Safety Act 2011* section 195 or the *Safety in Recreational Water Activities Act 2011* applied section 195 *Work Health and Safety Act 2011* (which includes a body corporate, government department or public authority) who has or may be reasonably presumed to have control over the prohibited activity. This notice prohibits an activity which involves or will involve an immediate or imminent risk to the health and safety of any person. **The legislation requires that the person to whom a prohibition notice is issued must, as soon as possible, display a copy of the notice in a prominent place at or near the workplace, or part of the workplace at which work is being carried out that is affected by the notice.**

Notice No. P1026774
Notice issued to:

Legal name of person/business or undertaking: BIELBY HULL JOINT VENTURE	
ABN: 88191703417	ACN:
Trading as:	
Address: LEVEL 1/23A GRAHAM ST, MILTON 4064 QLD	

Details of serious risk:

Site location	Direction given orally: Y
CNR LOGAN RD AND COMPTON RD (3317 LOGAN ROAD, SLACKS CREEK)	
<p>personal information reasonably believe on 11-AUG-2021 at 21:00 that an activity is occurring at the workplace that involves a serious risk to the health or safety of a person emanating from an immediate or imminent exposure to a hazard and that this activity is contravening a provision of the:</p> <p><i>Work Health and Safety Act 2011</i> - section(s) 19(3)(C)</p> <p>I direct the person with control over the following activity to stop the activity of: All excavation work in the work area Corner of Logan Rd and Compton Rd Slacks Creek (adjacent to 3317 Logan Rd, Slacks Creek) until there is a safe system of work to identify any Underground Essential Services and ensure that there is a safe system of work to perform excavation work near underground essential services</p> <p>until an inspector is satisfied that the matters that give rise to the risk have been remedied.</p>	

Basis for inspector's belief:

<p>I attended the workplace in relation to an incident which had occurred on 11 August 2021 in which an item of plant contacted an 11kv underground electrical asset (Underground essential service). There had been no identification or potholing of the underground essential services prior to the work being conducted. As a result, a Caterpillar 259D Skid Steer Loader fitted with a trenching attachment contacted an 11Kv underground cable, damaging the cable, causing damage to the trenching attachment and potentially causing as yet undetermined damage to the Loader. You have not ensured, so far as is reasonably practicable the provision and maintenance of safe systems of work in relation to excavations near Underground essential Services</p>
--

Directions (if any) on the measures to be taken to remedy the risk, activities or matters or the contravention or likely contravention: It is mandatory to comply with these directions

<p>Work Health and Safety Act 2011 - section 19(3)(C)</p> <p>Without limiting subsections 19 (1) and 19 (2), a person conducting a business or undertaking must ensure, so far as is reasonably practicable the provision and maintenance of safe systems of work;</p>
--

Recommendations (if any): Recommendations may be followed or you may adopt and follow another way that gives at least the same level of protection against the risk

--

Issuing inspector:

NR	2056	NR
Signature of inspector	Inspector's ID	Inspector's contact number
11-AUG-2021	PO BOX 226, IPSWICH 4305 QLD	
Date issued	Inspector's location	

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice. Failure to comply may incur a maximum penalty of \$100 000 for an individual and \$500 000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

The Office of Industrial Relations collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of the Department. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by Office of Industrial Relations to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.

The Office of Industrial Relations privacy information is on our website at www.worksafe.qld.gov.au/.

Service method:

Delivered directly to the person named by electronic transmission	
CTPI	Management Representative For Person Conducting A Business Or Undertaking
Notice given to	Relationship to person to whom notice is issued
Information about how to obtain a review of this decision is detailed on the back of this notice.	

Released under RTI - DTMR

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice. Failure to comply may incur a maximum penalty of \$100 000 for an individual and \$500 000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

The Office of Industrial Relations collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of the Department. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by Office of Industrial Relations to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.

The Office of Industrial Relations privacy information is on our website at www.worksafe.qld.gov.au/.

Internal review of decision

If a decision to prohibit an activity was made by an inspector, an eligible person may apply for an internal review of that decision.

An eligible person is:

1. The person to whom the notice was issued.
2. The person with management or control of the workplace, plant or substance.
3. A person conducting a business or undertaking whose interests are affected by the decision.
4. A worker whose interests are affected by the decision.
5. A health and safety representative who represents a worker whose interests are affected by the decision.
6. A health and safety representative who gave a direction under section 85 of the *Work Health and Safety Act 2011* to cease work, that is relevant to the prohibition notice.

How does a person apply for a review of a decision?

The person must complete and lodge the Internal Review Application form within 14 days of receiving the notice. There is no application fee.

The operation of the prohibition notice continues unless a separate application is made to stay (that is suspend) the prohibition while the review is undertaken. The regulator may or may not grant the stay. The regulator will make a decision on the stay within one working day after the regulator receives the application.

If a stay is granted, it remains in effect until a decision is made by the regulator and whichever of the following is earlier - an external review is applied for or 28 days have elapsed since the person became aware of the regulator's decision.

Information about how to apply for a review of decision, including application forms, is available online at www.worksafe.qld.gov.au, or by phoning Advisory Services on 1300 362 128.

What happens next?

Applications are reviewed within 14 days unless additional information is required. Applicants are provided with written confirmation of the result of the internal review including the reasons for the decision.

External review

If a decision to prohibit an activity was made by the regulator or the regulator has made a decision through internal review, an eligible person may apply to the Queensland Civil and Administrative Tribunal for an external review. An external review application must be made within 28 days of the person becoming aware of the regulator's decision.

Please refer to www.worksafe.qld.gov.au for more information on how to apply for an external review.



Non-disturbance notice

This notice is issued under the *Work Health and Safety Act 2011* section 198, *Safety in Recreational Water Activities Act 2011* applied section 198 *Work Health and Safety Act 2011* or *Electrical Safety Act 2002* section 149. This notice requires the person with management or control of a workplace (which can mean a body corporate, government department or public authority) to preserve the site at which a notifiable incident has occurred or prevent the disturbance of a particular site for a specified period including the operation of plant. **The legislation requires that the person to whom a non-disturbance notice is issued must, as soon as possible, display a copy of the notice in a prominent place at or near the workplace, or part of the workplace at which work is being carried out that is affected by the notice.**

Work Health and Safety Act 2011
Electrical Safety Act 2002
Safety in Recreational Water Activities Act 2011

Notice No. NDI **1024305**

Notice issued to:

Legal name of person/business or undertaking:	Bielby JF HULL JOINT VENTURE		
ABN:	88191703417	ACN:	
Trading as:			
Address:	3/15 Dennis Road Springwood		Postcode: 4127

Details of non-disturbance:

Site location / plant location / plant identification:			
CNR Logan + Compton Rd		Caterpillar 259D + excavated trench	
I, personal information	on 11/8/2021	at 2045	require the person identified above to:
Inspector name	date	24 hour time	
<input type="checkbox"/> preserve the site at which a notifiable incident has occurred; or <input checked="" type="checkbox"/> prevent the disturbance of a particular site (including any plant, substance, structure or thing associated with the site).			
However, the issue of this notice does not prevent the person identified above taking any action:			
<ul style="list-style-type: none"> to assist an injured person; or to remove a deceased person; or that is essential to make the site safe or to prevent a further incident; or that is associated with a police investigation; or for which an inspector has given permission. 			

Measures to be taken to preserve the site or prevent disturbance of the site:

Maintain Flagged area around trench and flagged area around Cat 259D + trenching attachment. Not to be moved, disturbed, touched	

This notice will remain in force until:

Date	Time 24 hours
12/8/21	0730
A non-disturbance notice can apply only for a maximum of seven days. If the inspector considers it necessary to do so, he or she may issue one or more subsequent non-disturbance notice, either before or after the expiry of this notice.	

Issuing inspector:

NR	2056	NR
Signature of inspector	Inspector's ID	Inspector's contact number
11/8/21	Logan	
Date issued	Inspector's location	

Service method:

<input checked="" type="checkbox"/> Delivered personally	<input type="checkbox"/> Left for a person at the workplace	<input type="checkbox"/> Post	<input type="checkbox"/> Fax
<input type="checkbox"/> Email	<input type="checkbox"/> Left at the person's last known place of residence or business		
CTPI	PCBU representative		
Notice given to	Relationship to person to whom notice is issued		

Information about how to obtain a review of this decision is detailed on the back of this notice.

An inspector may make minor technical changes to this notice in certain circumstances. This does not change the validity of the notice.

You must comply with this notice within the period stated. Failure to comply may incur a maximum penalty of \$50 000 for an individual, and \$250 000 for a body corporate, government department or public authority.

PRIVACY COLLECTION STATEMENT

The Department of Justice and Attorney-General collects, uses, discloses and stores information in accordance with legislation it administers and all applicable privacy laws. This includes information collected by inspectors of the Department. Note that privacy laws do not apply if other laws conflict or allow or require the collection of information, and do not apply to the collection of information by The Department of Justice and Attorney-General to the extent that it is exercising its law enforcement functions and non-compliance with privacy legislation is deemed necessary to fulfil those functions.

The Department of Justice and Attorney-General privacy information is on our website at www.justice.qld.gov.au.

Matthew X Kelly

From: WHS Connect
Sent: Friday, 13 August 2021 9:21 AM
To: High Potential; Jeff A Lucht; Paul A Grant; Andrew S Matters; Amanda Yeates; Andrew M Wheeler; Belinda L Stewart; Paul D Noonan; Robert E Ebbstein; Debbie A Nankivell; Ross J Poidevin; Matthew X Kelly
Subject: New Incident - PAN 7817 - High Potential - Enforcement Notice: Skid Steer loader struck underground electrical power cabling
Attachments: PAN 7817 - Incident Notification.pdf; PAN 7817 - Prohibition Notice P1026774.pdf; PAN 7817 - Improvement Notice I2058063.pdf; PAN 7817 - Improvement Notice I2058062.pdf; PAN 7817 - Non-disturbance notice 1024305.pdf; Incident Investigation Report Template.pdf; WHS Incident Corrective Actions Plan.pdf

The above incident has been recorded in the TMR Safeware incident database.

Please review the attached incident report and contact WHS Connect if:

- any of the information contained in the report is incorrect
- you have any additional information relating to the incident.

As TMR is not the primary duty holder for the site where this incident occurred, the contracting company must undertake an investigation of the incident.

The investigation must be:

- completed within 15 working days of the date the incident occurred
- endorsed by the TMR District Director (or above) who is accountable for the geographic region where the incident took place.

Actions required

- The final page of the attached TMR [Incident Investigation Report](#) must be attached to the contractor's completed investigation report and signed by the TMR District Director (or above)
- The endorsed investigation report must be forwarded to [WHS Connect](#)

Further information is available in the:

- [Reporting Workplace Incidents procedure](#)
- [Incident Investigation procedure](#)
- [Workplace Investigation Guide](#).

Please contact [WHS Connect](#) on 1800 867 947 if you have any questions or require further information.

Kind regards,

Robyn Ballangarry

WHS Connect Officer | Health and Safety

Human Resources Branch | Department of Transport and Main Roads

Floor 6 | 61 Mary Street | Brisbane QLD 4000

GPO Box 1412 | Brisbane QLD 4001

P: (07) 1800 867 947

E: whs_connect@tmr.qld.gov.au

Privacy

TMR is required to comply with the 11 Information Privacy Principles contained in the *Information Privacy Act 2009*.

All personal information collected must be kept confidential. Any personal information collected about a worker must only be divulged to authorised persons for the sole purpose of managing health and safety risks. The information collected must not be disclosed to any third party without the workers consent unless required or authorised to do so by law.

Released under RTI - DTMR

ws2sd

From: Matthew X Kelly
Sent: Monday, 16 August 2021 2:26 PM
To: [personal]
Cc: [personal]; Ross J Poidevin; ws2sd; Michael Z Kavourakis
Subject: FW: 11kV UG cable contacted by excavator at SSNSW

Categories: DMS

Hi [personal]

As per the email chain below it appears that Energex are positioning to revisit the treatment of the 11kV service that has just been hit at Compton Rd.

I assume BHJV would now have a detailed survey pick up on the service.

I will work with Kav to go through the design phase history. Could you please ask that BHJV provide us any new survey information as soon as possible as we will need any new information to close the issue out.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Matthew X Kelly
Sent: Monday, 15 August 2021 2:20 PM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Subject: FW: 11kV UG cable contacted by excavator at SSNSW

Hi Kav,

As discussed, can you look up the history on the conduit below that BHJV have struck.

Key points are as follows:

- LCC road
- Levels are increasing vs existing.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Sent: Monday, 15 August 2021 2:08 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: Fw: 11kV UG cable contacted by excavator at SSNSW

Hi Matt,
See below email thread, key is what assurances we got previously from Energex regarding this area of concern.
In the final response, I will add in some of the history to date of ongoing dialogue with Energex as this shouldn't be a surprise.
Cheers,
Ross

From: [redacted] personal [redacted] <[\[redacted\]@energyq.com.au](mailto:[redacted]@energyq.com.au)>
Sent: Monday, August 16, 2021 14:03
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: 11kV UG cable contacted by excavator at SSNSW

Hi Ross

Refer our conversation, please can you check with your Project Manager regarding this incident.
Below are details provided by our Area Manager.

Cheers

[redacted] personal [redacted]
Network Management SE
Grid Planning Engineering
Energex Limited
26 Reddacliff Street
Newstead - 4006
Tel: [redacted] NR [redacted]



From: [redacted] personal [redacted] <[\[redacted\]@energyq.com.au](mailto:[redacted]@energyq.com.au)>
Sent: Monday, 15 August 2021 12:59 PM
To: HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>; [redacted] personal [redacted] <[\[redacted\]@energyq.com.au](mailto:[redacted]@energyq.com.au)>; [redacted] personal [redacted] <[\[redacted\]@energyq.com.au](mailto:[redacted]@energyq.com.au)>
Cc: [redacted] personal [redacted] <[\[redacted\]@energyq.com.au](mailto:[redacted]@energyq.com.au)>; [redacted] personal [redacted] <[\[redacted\]@energyq.com.au](mailto:[redacted]@energyq.com.au)>; [redacted] personal [redacted] <[\[redacted\]@energyq.com.au](mailto:[redacted]@energyq.com.au)>
Subject: RE: INC-37906 - 11kV UG cable contacted by excavator at SSNSW

Hi Graeme,

The construction supervisor advised they were well aware of our cables and the location (including the depth) as they had locations completed prior to works starting.

As part of the works they uncovered all the conduits under the new turning lane (they have photos) which shows them going into a concrete encasement as they go under the existing roadway. The new roadway and our conduits were already backfilled and heavily compacted with roadbase at the time of the incident.

I queried whether they engaged Energex to relocate the assets (or install additional precautions due to the depth not being suitable under a roadway) to which the response was they advised TRM however they responded nothing was needed to be done, so the contract company continued with the works.

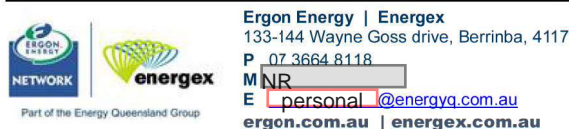
The work health and safety inspector interviewed the various construction employees on-site, and they all acknowledged they're fully aware of our assets locations, including the operator of the machine that hit the cable.

Due to the above, there was no need for any further safety advice.

personal have we heard back from TMR yet?

Regards,

personal
Area Manager – Brisbane South
Operations Field Delivery | Operations



From: personal@energyq.com.au>

Sent: Friday, 13 August 2021 8:51 AM

To: HSE Legal Support (EnergyQ) <HSELegalSupport@energyq.com.au>; personal@energyq.com.au>; personal@energyq.com.au>; HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>

Cc: Engineering Incident Management (EnergyQ) <EngIncidentMgt@energyq.com.au>; personal@energyq.com.au>; personal@energex.com.au>; personal@energyq.com.au>

Subject: RE: INC-37906 - 11kV UG cable contacted by excavator at SSNSW

Thanks personal

I've attached a few photos that personal team took yesterday after installing two cable joints and a short length of triplex. Hopefully this gives some context around the situation with shallow conduits in the future turning lane.

Regards,

personal
Area Manager – Brisbane South
Operations Field Delivery | Operations



From: personal@energyq.com.au>

Sent: Thursday, 12 August 2021 12:28 PM

To: [redacted] personal [redacted]@energyq.com.au>; HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>
Cc: HSE Legal Support (EnergyQ) <HSELegalSupport@energyq.com.au>; Engineering Incident Management (EnergyQ) <EngIncidentMgt@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>; [redacted] personal [redacted]@energex.com.au>
Subject: RE: INC-37906 - 11kV UG cable contacted by excavator at SSNSW

Hi Guys,

We may need someone to work with DTMR from an engineering and compliance perspective here.

There are 12 x ACM conduits that cross Logan Rd, and they appear to be under depth due to the road works that are occurring. I believe once the top layer of footpath goes on they may achieve 600mm, however the main concern here is the road widening and roadway.

Feeder: [NSW36A](#)
11kV - 300mm sq Cu 3C PLYHDPE
[Open in PowerOn](#)

Feeder: [NSW25](#)
11kV - 185mm sq Cu 3C PLYSWS
[Open in PowerOn](#)

Feeder: [NSW19](#)
11kV - 185mm sq Cu 3C PLYSWS
[Open in PowerOn](#)

Feeder: [NSW3A](#)
11kV - 240mm2 Cu 3C XLPESCRHDPE
[Open in PowerOn](#)

Feeder: [FO1014](#)
P - 72 FIBRE; SINGLE MODE; UG; C/W

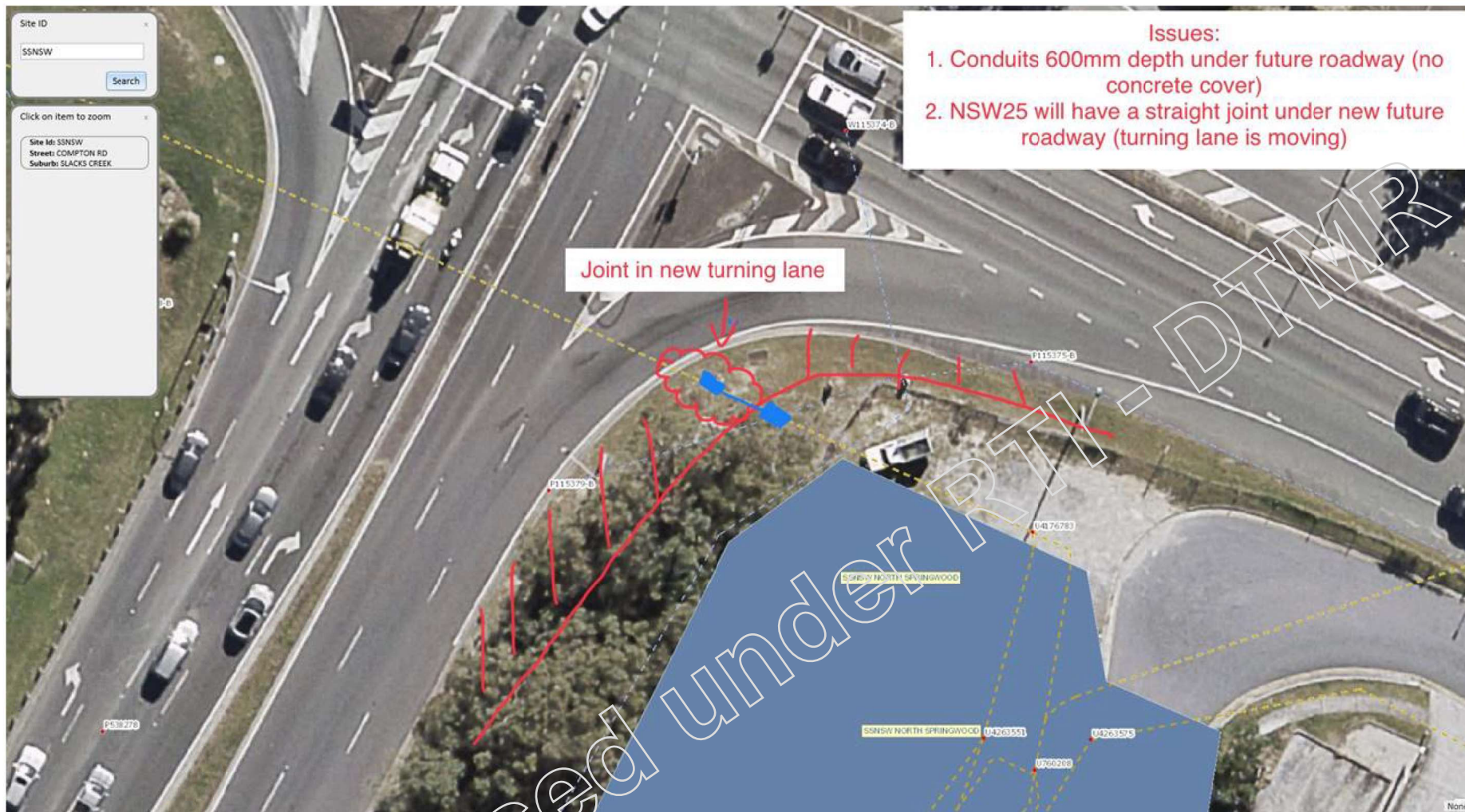
Feeder: [NSW8A](#)
11kV - 185mm sq Cu 3C PLYSWS
[Open in PowerOn](#)

Basically Logan Rd and Compton road is being expanded with the turning lane moving a full size lane towards our substation SSNSW.

Due to the cable damage, 2 x 11kV cable joints will be installed today on NSW25 feeder however this will result in one of the joints being located under the future roadway.

The conduit depth at the location of damage is 400-500mm however this was not finished ground level and additional earthworks were occurring to increase this by 200mm. The contractors on-site (working for DTMR performing the roadworks) have uncovered the conduits previously (and have photos) which shows:

- 600m depth to top conduit (hard to get a perfect measurement as the road heights are changing)
- Concrete encased and cable marker bricks as the conduits go under the existing roadway
- No additional precautions taken to concrete encase or relocate the conduits under the new extended roadway. Apparently the contractor raised with DTMR and got advised it was okay to leave as is.



Regards,

[redacted] personal
Area Manager – Brisbane South
Operations Field Delivery | Operations



Part of the Energy Queensland Group



Ergon Energy | Energex
133-144 Wayne Goss drive, Berrinba, 4117
P 07 3664 8118
M [redacted]
E [redacted] personal @energex.com.au
ergon.com.au | energex.com.au



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Sender Details:

Energy Queensland Limited
Level 6, 420 Flinders Street Townsville QLD 4810
(07) 4766 2900

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Released under RTI - DTMR

ws2sd

From: [redacted] personal [redacted]@driveengineering.com.au>
Sent: Monday, 16 August 2021 2:31 PM
To: Matthew X Kelly
Cc: [redacted] personal [redacted] Ross J Poidevin; ws2sd; Michael Z Kavourakis
Subject: RE: 11kV UG cable contacted by excavator at SSNSW

Categories: DMS

Hi Matt

I'll have a check [redacted] personal information and through any info they have.

Cheers

personal

ADMINISTRATOR
BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)

Mobile [redacted] NR [redacted] Email: [redacted] personal [redacted]@driveengineering.com.au

DRIVE
ENGINEERING PTY LTD
ABN 55 152 420 936

From: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Sent: Monday, 15 August 2021 2:26 PM
To: [redacted] personal [redacted]@driveengineering.com.au>
Cc: [redacted] personal [redacted]@driveengineering.com.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>; Michael Z Kavourakis <michael.z.kavourakis@tmr.qld.gov.au>
Subject: FW: 11kV UG cable contacted by excavator at SSNSW

Hi [redacted] personal

As per the email chain below it appears that Energex are positioning to revisit the treatment of the 11kV service that has just been hit at Compton Rd.

I assume BHJV would now have a detailed survey pick up on the service.

I will work with Kav to go through the design phase history. Could you please ask that BHJV provide us any new survey information as soon as possible as we will need any new information to close the issue out.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Matthew X Kelly
Sent: Monday, 15 August 2021 2:20 PM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Subject: FW: 11kV UG cable contacted by excavator at SSNSW

Hi Kav,

As discussed, can you look up the history on the conduit below that BHJV have struck.

Key points are as follows:

- LCC road
- Levels are increasing vs existing.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Sent: Monday, 15 August 2021 2:08 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: Fw: 11kV UG cable contacted by excavator at SSNSW

Hi Matt,
See below email thread, key is what assurances we got previously from Energex regarding this area of concern.
In the final response, I will add in some of the history to date of ongoing dialogue with Energex as this shouldn't be a surprise.
Cheers,
Ross

From: [personal] <[\[personal\]@energyq.com.au](mailto:[personal]@energyq.com.au)>
Sent: Monday, August 16, 2021 14:03
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: 11kV UG cable contacted by excavator at SSNSW

Hi Ross

Refer our conversation, please can you check with your Project Manager regarding this incident.
Below are details provided by our Area Manager.

Cheers

[personal]
Network Management SE
Grid Planning Engineering
Energex Limited
26 Reddacliff Street



From: [redacted] personal [redacted]@energyq.com.au>

Sent: Monday, 15 August 2021 12:59 PM

To: HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au> [redacted] personal [redacted]@energyq.com.au>

Cc: [redacted] personal [redacted]@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>

Subject: RE: INC-37906 - 11kV UG cable contacted by excavator at SSNSW

Hi [redacted] personal information

The construction supervisor advised they were well aware of our cables and the location (including the depth) as they had locations completed prior to works starting.

As part of the works they uncovered all the conduits under the new turning lane (they have photos) which shows them going into a concrete encasement as they go under the existing roadway. The new roadway and our conduits were already backfilled and heavily compacted with roadbase at the time of the incident.

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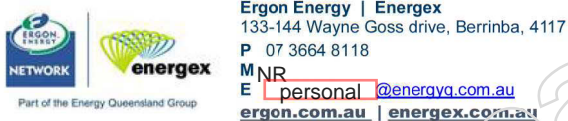
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Due to the above, there was no need for any further safety advice.

[redacted] personal have we heard back from TMR yet?

Regards,

[redacted] personal
Area Manager – Brisbane South
Operations Field Delivery | Operations



From: [redacted] personal [redacted]@energyq.com.au>

Sent: Friday, 13 August 2021 8:51 AM

To: HSE Legal Support (EnergyQ) <HSELegalSupport@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>; HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>

Cc: Engineering Incident Management (EnergyQ) <EngIncidentMgt@energyq.com.au>; Ralf Elsasser <ralf.elsasser@energyq.com.au>; Alex Worship <alexworship@energex.com.au>; Deepak Balakrishnan <deepak.balakrishnan@energyq.com.au>
Subject: RE: INC-37906 - 11kV UG cable contacted by excavator at SSNSW

Thanks [personal information]

I've attached a few photos of the situation I took yesterday after installing two cable joints and a short length of triplex. Hopefully this gives some context around the situation with shallow conduits in the future turning lane.

Regards,

[personal]

Area Manager – Brisbane South
Operations Field Delivery | Operations



Ergon Energy | Energex
133-144 Wayne Goss drive, Berrinba, 4117
P 07 3664 8118
M NR
E [personal]@energyq.com.au
ergon.com.au | energex.com.au



From: [personal]@energyq.com.au>

Sent: Thursday, 12 August 2021 12:28 PM

To: K [personal]@energyq.com.au>; HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>; [personal]@energyq.com.au>

Cc: HSE Legal Support (EnergyQ) <HSELegalSupport@energyq.com.au>; Engineering Incident Management (EnergyQ) <EngIncidentMgt@energyq.com.au>; [personal]@energyq.com.au>; A [personal]@energex.com.au>

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[Open in PowerOn](#)

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11kV - 185mm sq Cu 3C PLYSWS

[Open in PowerOn](#)

Feeder: [NSW19](#)

11kV - 185mm sq Cu 3C PLYSWS

[Open in PowerOn](#)

Feeder: [NSW3A](#)

11kV - 240mm2 Cu 3C XLPESCRHDPE

[Open in PowerOn](#)

Feeder: [FO1014](#)

P - 72 FIBRE; SINGLE MODE; UG; C/W

Feeder: [NSW8A](#)

11kV - 185mm sq Cu 3C PLYSWS

[Open in PowerOn](#)

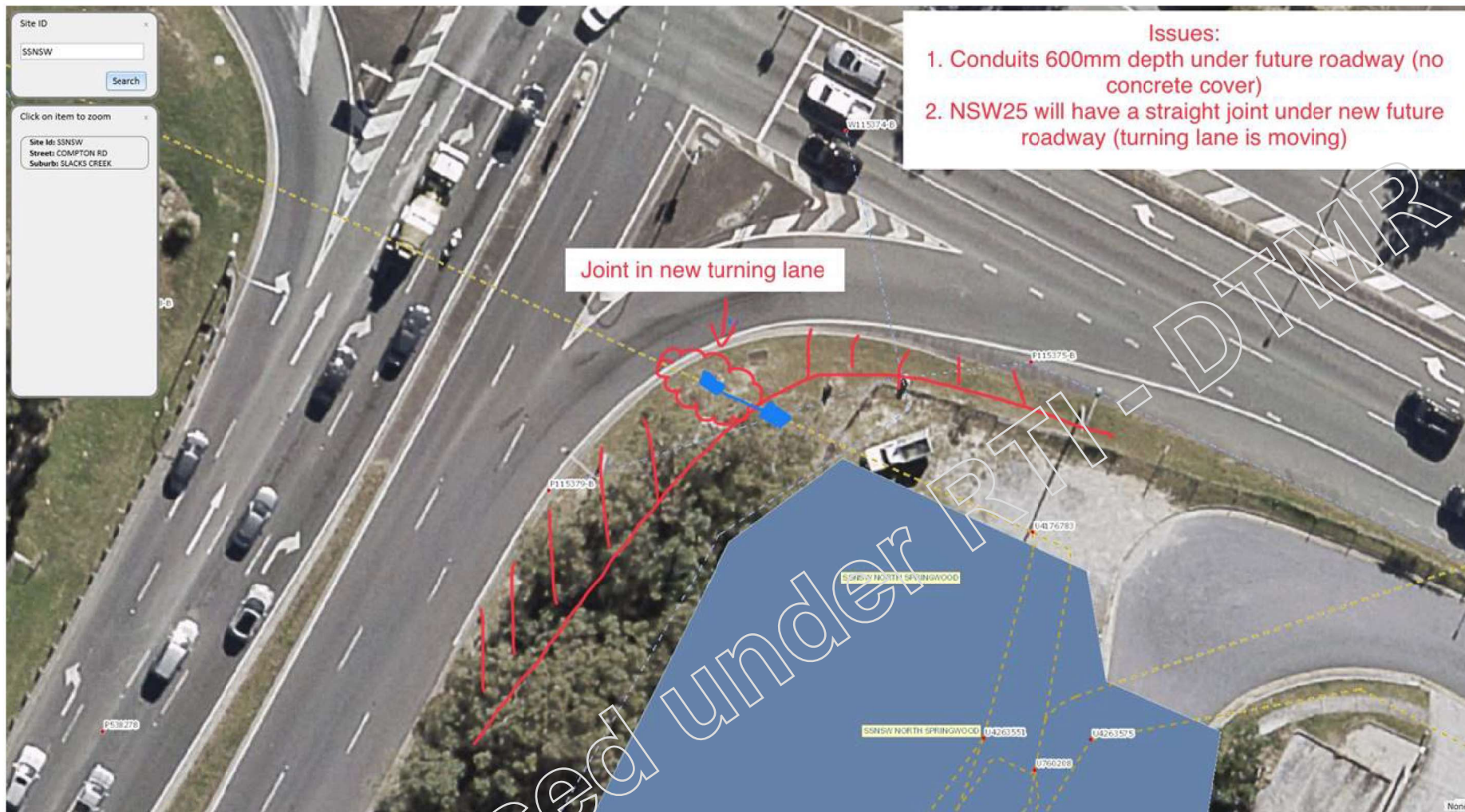
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personal

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Operations Field Delivery | Operations



Part of the Energy Queensland Group



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ws2sd

From: [personal]@driveengineering.com.au>
Sent: Monday, 16 August 2021 2:48 PM
To: Matthew X Kelly
Cc: [personal] Ross J Poidevin; ws2sd; Michael Z Kavourakis
Subject: RE: 11kV UG cable contacted by excavator at SSNSW
Attachments: CN-11843 | RFI-0357 | [Existing Energex conduits near subgrade MC1L20 CH125]

Importance: High

Categories: DMS

Hi Matt

It appears that the survey information was provided previously in an RFI (see attached). This RFI is currently being resolved through the designers.

Please let me know if you need further info.

[personal]



From: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Sent: Monday, 15 August 2021 2:26 PM
To: [personal]@driveengineering.com.au>
Cc: [personal]@driveengineering.com.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>; Michael Z Kavourakis <michael.z.kavourakis@tmr.qld.gov.au>
Subject: FW: 11kV UG cable contacted by excavator at SSNSW

[personal]

As per the email chain below it appears that Energex are positioning to revisit the treatment of the 11kV service that has just been hit at Compton Rd.

I assume BHJV would now have a detailed survey pick up on the service.

I will work with Kav to go through the design phase history. Could you please ask that BHJV provide us any new survey information as soon as possible as we will need any new information to close the issue out.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434

matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Matthew X Kelly
Sent: Monday, 15 August 2021 2:20 PM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Subject: FW: 11kV UG cable contacted by excavator at SSNSW

Hi Kav,

As discussed, can you look up the history on the conduit below that BHJV have struck.

Key points are as follows:

- LCC road
- Levels are increasing vs existing.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Sent: Monday, 15 August 2021 2:08 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: Fw: 11kV UG cable contacted by excavator at SSNSW

Hi Matt,
See below email thread, key is what assurances we got previously from Energex regarding this area of concern.
In the final response, I will add in some of the history to date of ongoing dialogue with Energex as this shouldn't be a surprise.
Cheers,
Ross

From: [redacted] personal <[\[redacted\]@energyq.com.au](mailto:[redacted]@energyq.com.au)>
Sent: Monday, August 16, 2021 14:03
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: 11kV UG cable contacted by excavator at SSNSW

Hi Ross

Refer our conversation, please can you check with your Project Manager regarding this incident.
Below are details provided by our Area Manager.

Cheers

[redacted] personal
Network Management SE

Grid Planning Engineering
Energex Limited
26 Reddacliff Street
Newstead - 4006
Tel: NR



From: [redacted] personal [redacted]@energyq.com.au>
Sent: Monday, 15 August 2021 12:59 PM
To: HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>
Cc: [redacted] personal [redacted]@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>; [redacted] personal [redacted]@energyq.com.au>
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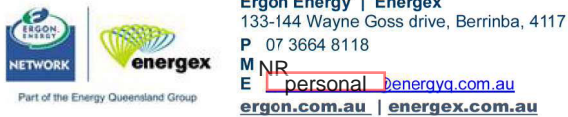
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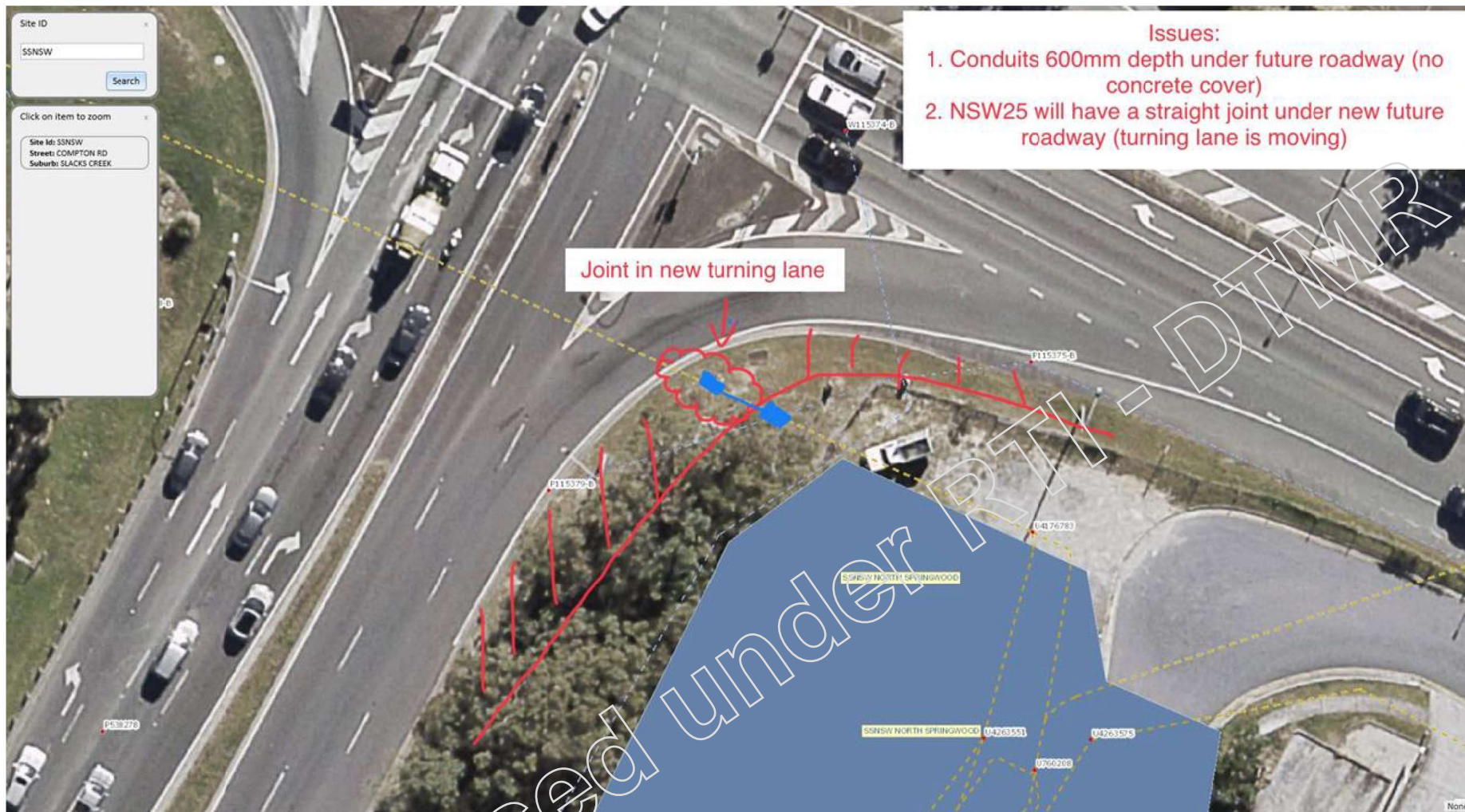
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Doc No: RFI-0357

Notice Date: 26/07/2021

Request To: personal TMR, TMR Project Email

Notice ID: 651

Date Response Reqd:
From: personal

Subject:

CN-11843 | RFI-0357 | [Existing Energex conduits near subgrade MC1L20 CH125]

Details:

REQUEST FOR INFORMATION

DETAILS

Title:	CN-11843 RFI-0357 [Existing Energex conduits near subgrade MC1L20 CH125]		
Contractor REF Number:	RFI-0357	Client REF Number:	
Raised By:	personal	Date Raised:	26/07/2021
Sent To:	personal personal TMR Project Email TMR	Sent To Company:	Drive Engineering, Drive Engineering, Drive Engineering, TMR
Contract Number:	CN-11843		
Contract Name:	Watland Street to Sports Drive		
Is this CN associated to a Variation?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If Yes has a Variation been raised?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Location:			
Discipline:		Sub-Discipline:	

RFI BODY

RFI Description:	Existing asbestos Energex conduits have been exposed 37-83mm below subgrade at MC1L20 CH125. The conduits were identified as E-13 in the 1PU10 drawing set. Refer to attached markup and photos for details. The position and material of the conduits will restrict our ability to compact the existing subgrade material and the pavement directly above them. Please advise how to proceed.
RFI Reason:	Confirm treatment required to existing conduits or subgrade/pavement around shallow asbestos electrical conduits.

ASSOCIATED DRAWING & CONTROLLED PROJECT DOCUMENTS

Drawing or Document Number	Description	Revision	Details: Please include any details on how the RFI affects the design drawing or project documents
----------------------------	-------------	----------	--

OTHER RELATED ITEMS & ATTACHMENTS - Please refer to any Related Items, and attach any documents or photographs required as additional information

Related Lot ID/s	Description	Other Details
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Related Notice ID/s	Description	Other Details
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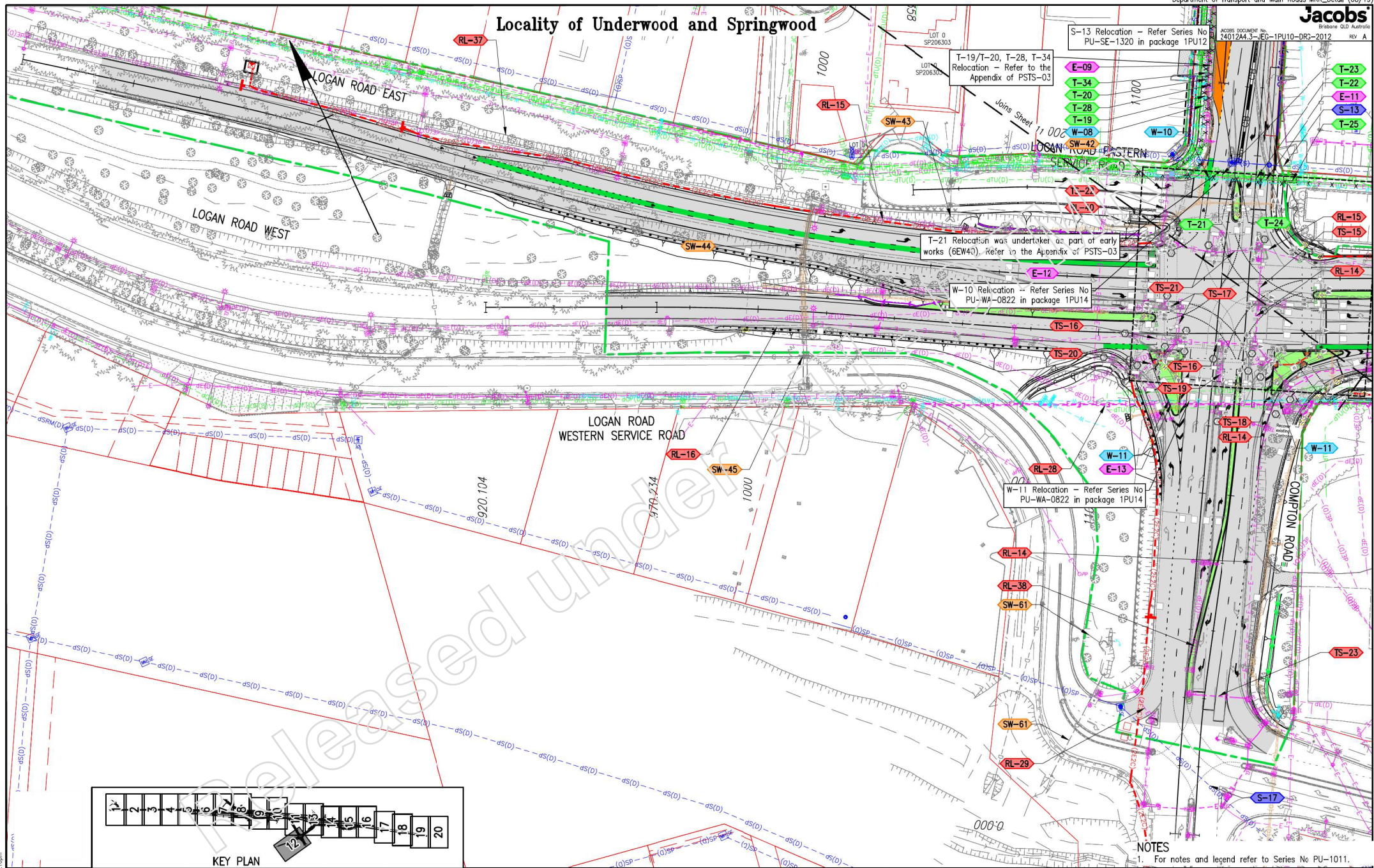
Related Variation ID/s	Description	Other Details
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Related Document ID/s	Description	Other Details
10275	20210726_153121	
10276	20210726_153145	
10273	24012A4.3-JEG-1PU10-DRG-2012_A	
10274	24012A4.3-JEG-1PU10-DRG-3007_A	
10277	sketch Gate 15 Energex Corner - Asbestos EU conduit 210726	

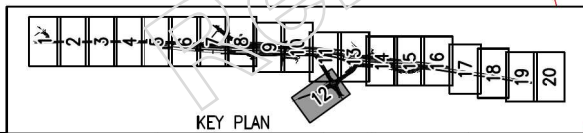
Related Photo ID/s	Description	Other Details
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[CN LINK: RFI-0357](#)**Responses:****Person to action:****Date reqd:****Completed by:****Date comp:**

Locality of Underwood and Springwood



NOTES
1. For notes and legend refer to Series No PU-1011.



										Associated Job Nos		Survey Data		<div>Scale</div> <div><div>05101520m</div></div>		LOGAN CITY COUNCIL						PUBLIC UTILITY PLANT (1PU10)						<div></div> <div>Queensland Government</div>					
										Auxiliary Drg Nos		GDA94				PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE)						LAYOUT PLAN											
												MGA (Zone 56)		CTL CHGE 0 TO 4150.258 (MC1B01)						SHEET 12						Job No. 240/12A/4.3							
										Height Datum		AHD (Iivered)		Reference Points						Drawn		ENGINEERING CERTIFICATION (RPEQ)						Contract No. CN-11843					
A Issued For Construction														Preceding RP Dist. to start of job (km) From start to end of job From end to following RP Following RP						D. Cavu		ENG. AREA		NAME		SIGNATURE		No.		DATE		Drawing No. 839108	
														Survey Books						Designed		Civil		M. SALSIBURY		M. SALSIBURY		22907		31.08.20		A	
												MR102526 04		Dimensions shown in metres except where shown otherwise						M. Salisbury										Series Number		PU-2012	
CAD FILES										C:\Users\bradon\AppData\Local\projectwise\cavoc\anz_ie1\40280042\24012A4.3-EG-1PU10-DRG-2011.dwg				Through Chainage from 0.0km to 4.15km																			

CODE	SERVICE TYPE	UTILITY	TYPE	SERVICE DESCRIPTION	SERIES NO	CHAINAGE	LOCATION DESCRIPTION	APPROX DEPTH (OBVERT (mm) TO EXISTING SURFACE)	WORKS AFFECTED	ACTION	SOURCE OF INFORMATION	COMMENT
SW-42	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	STORM WATER PIPE	PU-2011, PU-2012	MC1L20: CH 175.00 - CH 200.00	ON NW CORNER OF LOGAN / LEXINGTON / COMPTON INTERSECTION - HEADWALL	2017MM US: 457MM DS	HEADWALL TO BE REPLACED BY FIELD INLET AS PART OF UPGRADE WORKS	REMAIN		REFER PACKAGE 1SW10
T-21	TELECOMMUNICATIONS	OPTUS	OVERHEAD TELECOMMUNICATIONS LINE	1X OVERHEAD CABLE	PU-2011, PU-2012	MC1L20: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	NL	LOCAL ROADS (WEST) - LEXINGTON ROAD.	RELOCATE AS PART OF EARLY WORKS CONTRACT	SURVEY/STREET VIEW	
T-22	TELECOMMUNICATIONS	OPTUS	UNDERGROUND CABLE	P100	PU-2011, PU-2012	MC1L20: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	850	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	MINIMUM PAVEMENT BOX CUT DEPTH 420 MM. MINIMUM EXISTING COVER 600MM.
T-23	TELECOMMUNICATIONS	NBN	UNDERGROUND CABLE	P100-T	PU-2011, PU-2012	MC1L20: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	570	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	MINIMUM PAVEMENT BOX CUT DEPTH 420 MM. MINIMUM EXISTING COVER 600MM.
T-24	TELECOMMUNICATIONS	TELSTRA	UNDERGROUND CABLE	P50, P100, A100	PU-2011, PU-2012	MC1L20: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	570	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	MINIMUM PAVEMENT BOX CUT DEPTH 420 MM. MINIMUM EXISTING COVER 600MM.
T-25	TELECOMMUNICATIONS	UECOMM	UNDERGROUND CABLE	P100	PU-2011, PU-2012	MC1L20: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	850	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	
T-28	TELECOMMUNICATIONS	OPTUS	UNDERGROUND CABLE	P50	PU-2011, PU-2012	MC1A01: CH 2315.00 - CH 2485.00	RUNS ACROSS LEXINGTON ROAD NEAR ON-RAMP AND DOWN WESTERN VERGE OF LEXINGTON ROAD.	300	LOCATED WITHIN LEXINGTON ROAD AND ON-RAMP CARRIAGEWAY.	RELOCATE	DBYD/SURVEY	
TS-15	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2011, PU-2012	MC1L20: CH170.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-22	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2011, PU-2012	MC1L20: CH 180.00 - CH 195.00	LOGAN RD SERVICE ROAD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
W-10	WATER	LOGAN CITY COUNCIL	WATER INFRASTRUCTURE	DN(200)[AC] WATER PIPE	PU-2011, PU-2012	MC1L20: CH 190.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	800 MIN; 1400 MAX	LOCAL ROADS (WEST) - LEXINGTON ROAD.	RELOCATE	DBYD/SURVEY	
RL-04	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUIT	PU-2011, PU-2013	MC1A01: CH 2280.00 - CH 2550.00	RUNS ALONG EXIT 20 OFF-RAMP	600	BUSWAY WORKS - SIGNIFICANT IMPACT, RUNS UNDER MUCH OF EXISTING CARRIAGEWAY.	RETAIN/PROTECT		
RL-10	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2011, PU-2013	MC1A01: CH 2280.00 - CH 2560.00	RUNS ALONG ROCHEDALE ROAD, NORTH OF LOGAN ROAD UNDERPASS	600	UNAFFECTED BY WORKS	RETAIN/PROTECT		
RL-11	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2011, PU-2013	MC1A01: CH 2280.00 - CH 2560.00	RUNS ALONG ROCHEDALE ROAD, ROUGHLY PARALLEL TO RL-10.	600	AS FOR RL-14.	RETAIN/PROTECT		
RL-05	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2011, PU-2013, PU-2014, PU-2015	MC1A01: CH 2360.00 - CH 3300.00	RUNS ALONG WESTERN SIDE OF LOGAN ROAD ON-RAMP NB	600	NB CARRIAGEWAY WORKS - CAN BE REMOVED WITH NO IMPACT ONCE THE LOGAN ROAD NB ON-RAMP IS CLOSED.	REMOVE/ABANDON AFTER CABLEING REMOVED		
E-12	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	4X P100	PU-2012	MC1L20: CH 125.00 - CH 195.00	RUNS ACROSS LOGAN ROAD, NORTH OF LOGAN AND COMPTON ROAD INTERSECTION	1300 MIN; 2100 MAX	LOGAN ROAD WORKS	NO WORKS REQUIRED	DBYD/SURVEY	CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING CONSTRUCTION WORKS.
E-13	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	6 X P100	PU-2012	MC1L20: CH 125.00	RUNS ACROSS COMPTON ROAD JUST SOUTH OF THE INTERSECTION WITH THE M1/LOGAN RD OFF RAMP.	600 MIN; 1700 MAX	LOCAL ROADS (WEST) - COMPTON ROAD, TOWARDS THE END OF THE WORKS AREA.	NO WORKS REQUIRED	DBYD/SURVEY	CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING CONSTRUCTION WORKS.
RL-16	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1L20: CH 145.00	RUNS ALONG LOGAN ROAD (WEST OF COMPTON ROAD INTERSECTION)	600	ROADWORKS WILL IMPLICATE RELOCATION AT SERVICE INTO THE NEW MEDIAN.	RETAIN/PROTECT		
RL-28	ROAD LIGHTING	LOGAN CITY COUNCIL	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1L20: CH 145.00	RUNS ACROSS COMPTON ROAD JUST SOUTH OF THE INTERSECTION WITH THE M1/LOGAN RD OFF RAMP.	600	LOCAL ROADS (WEST) - COMPTON ROAD, TOWARDS THE END OF THE WORKS AREA.	RETAIN/PROTECT		
RL-29	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1L20: CH 20.00	RUNS ACROSS COMPTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD NEAR COMPTON ROAD & MOSS ST INTERSECTION.	600	LOCAL ROADS (WEST) - COMPTON ROAD AT END OF WORKS.	RETAIN/PROTECT	DBYD	
RL-37	ROAD LIGHTING	LOGAN CITY COUNCIL	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1L20: CH 180.00	EASTBOUND LANES OF LOGAN ROAD	600	ROAD RECONFIGURATION MAY IMPACT EXISTING SERVICE	RETAIN/PROTECT	DBYD	
RL-38	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1L20: CH 40.00 - CH 80.00	COMPTON ROAD MEDIAN SOUTH OF LOGAN ROAD AND COMPTON ROAD INTERSECTION	600		REMOVE/ABANDON AFTER CABLEING REMOVED	DBYD	
S-17	SEWER	LOGAN CITY COUNCIL	SEWER PIPE	DN(450)[AC]	PU-2012	MC1L20: CH 0.00 - CH 40.00	CROSSING COMPTON ROAD AT INTERSECTION WITH LOGAN ROAD.	1200	MANHOLE LOCATED ON EDGE OF PROJECT BOUNDARY	NOT AFFECTED	DBYD/SURVEY	OUTSIDE ARE OF WORKS AT THIS STAGE
SW-43	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	STORM WATER PIPE	PU-2012	MC1L20: CH 170.00 - CH 195.00	CROSSES NORTHERN LOGAN ROAD SERVICE ROAD, CUL-DE-SAC EAST OF LEXINGTON/COMPTON INTERSECTION.	2509MM US: 552MM US	LOCAL ROADS (WEST) - HEADWALL TO BE REPLACED BY MANHOLE AS PART OF UPGRADE WORKS	REPLACE		REFER PACKAGE 1SW10
SW-44	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	CULVERT	PU-2012	MC1L20: CH 160.00 - CH 175.00	RUNS UNDER LOGAN ROAD (EAST TO WEST) NORTH OF LEXINGTON/COMPTON INTERSECTION.	805MM US: 601MM US	CULVERT TO BE UPGRADED AS PART OF UPGRADE WORKS	NO ACTION		REFER PACKAGE 1SW10
SW-45	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	CULVERT HEADWALL	PU-2012	MC1L20: CH 125.00 - CH 140.00	ON WESTERN END OF SW-44	CROSSING PIPE DETAIL 1706MM US: 453MM US	AS PER SW-44	NO ACTION		REFER PACKAGE 1SW10
SW-61	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	CULVERT	PU-2012	MC1L20: CH 10.00 - CH 65.00	CROSSING LOGAN ROAD WEST OF INTERSECTION WITH COMPTON ROAD.	CULVERT DETAIL 1706MM US: 453MM US	CROSSES NEAR COMPTON ROAD	RETAIN		REFER PACKAGE 1SW10
TS-16	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1L20: CH 145.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-17	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1L20: CH 145.00 - CH 155.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-18	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1L20: CH 130.00 - CH 140.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-19	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1L20: CH 125.00 - CH 145.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-20	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1L20: CH 130.00 - CH 145.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-21	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1L20: CH 170.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-23	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1L20: CH 45.00	COMPTON ROAD MEDIAN	750	NONE	RETAIN/PROTECT		
W-11	WATER	LOGAN CITY COUNCIL	WATER INFRASTRUCTURE	DN(150)[AC] WATER PIPE	PU-2012	MC1L20: CH 125.00	RUNS ACROSS COMPTON ROAD JUST SOUTH OF THE INTERSECTION WITH LOGAN RD.	1000 MIN; 2500 MAX	LOCAL ROADS (WEST) - COMPTON ROAD, TOWARDS THE END OF THE WORKS AREA. IMPACT DEPENDS ON SERVICE DEPTH.	REPLACE A SMALL SECTION OF MAIN IN THE LOGAN/COMPTON SLIP LANE. PROTECT THE REMAINDER OF THE WATER MAIN DURING CONSTRUCTION. INSTALL VALVE NORTHERN END.	DBYD/SURVEY	THIS IS AN AC MAIN AND THE CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION OF THIS MAIN.
E-10	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	10 X P100	PU-2013	MC1A01: CH 2635.00 - 2645.00	RUNS ON THE NORTHERN SIDE OF LOGAN ROAD UNDERNEATH THE PACIFIC MOTORWAY	640 MIN; 1500 MAX	WITHIN NEW BRIDGE WORK FOOTPRINT.	RELOCATE	DBYD/SURVEY	CONSTRUCTION INVOLVES HDI AND ASSOCIATED CONDUITS AND FITS. CONNECTION TO E-10 ON THE WESTERN SIDE OF M1.
E-14	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	10 X P100	PU-2013	MC1A01: CH 2655.00 - CH 2655.00	RUNS ACROSS LOGAN ROAD EAST OF THE COMPTON RD INTERSECTION.	1200MIN; 2100 MAX	ROADWORKS MAY AFFECT SERVICE.	NO WORKS REQUIRED OTHER THAN A CONNECTION WITH RELOCATED E-10	DBYD/SURVEY	CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING CONSTRUCTION WORKS.

Associated Job Nos		Survey Data		Scales		LOGAN CITY COUNCIL		PUBLIC UTILITY PLANT (1PU10)		Queensland Government	
		GDA94				PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE)		CONFLICTS REGISTER		Job No. 240/12A/4.3	
Auxiliary Drg Nos		MGA (Zone 56)				CTL CHGE 0 TO 4150.258 (MC1B01)		SHEET 7		Contract No. CN-11843	
		Height Datum		AHD (Derived)		Reference Points		ENGINEERING CERTIFICATION (RPEQ)		Drawing No. 839123 A	
		Survey Books		MR102526 04		Dimensions shown in metres except where shown otherwise		Drawn D. Cavi		Series Number PU-3007	
Revisions/Descriptions		Name or RPEQ No.		Signature		Date		ENG. AREA		No. DATE	
A Issued For Construction								Civil		M. SALSIBURY 22907 31.08.20	
CAD FILES		C:\users\brodram\appdata\local\projective\jacobs\anz\j1\0280042\2401244.3-JEG-1PU10-DRG-3007.dwg						Designed M. Salsibury			



NOTES

92mm Value - above subgrade

-56mm Value - below subgrade

Lip Kerb

Edge Box Out

-83mm
-73mm
-62mm
-64mm
-37mm
-43mm



ws2sd

From: [personal]@driveengineering.com.au>
Sent: Tuesday, 17 August 2021 1:39 PM
To: [personal]
Cc: [personal], ws2sd
Subject: RE: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

Categories: DMS

Thanks [personal]

I couldn't see the attached photo in the correspondence. Could you send this through if you have it.

Could you also confirm that this work was not breaching the prohibition notice for the previous Energex Strike?

Cheers

[personal]



From: [personal]@bhjv.com.au <No-Reply@bhjv.com.au>
Sent: Tuesday, 17 August 2021 1:35 PM
To: [personal]@driveengineering.com.au>; [personal]@driveengineering.com.au>
Cc: [personal]@bhjv.com.au>; [personal]@bhjv.com.au>
Subject: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

GENERAL CORRESPONDENCE (GEC)

DETAILS			
Title:	CN-11843 GEC-0021 Notice of Additional Public Utility Plant - Logan Road		
Contractor REF Number:	GEC-0021	Client REF Number:	
Raised By:	[personal]	Date Raised:	17/08/2021
Sent To:	[personal]	Sent To Company:	Drive Engineering, Drive Engineering
Contract Number:	CN-11843		
Contract Name:	Watland Street to Sports Drive		
Location:	Logan /Compton Road Intersection		
Discipline:		Sub-Discipline:	

Dear [personal]

Pursuant to Clause 27.7.2 of the contract, while excavating to install drainage line 2/5045 to 1/5045 we have identified an additional electrical service not shown in the PUP drawings or DBYD. Refer attached photo and pan showing approximate location of impacted service.

We are currently working with Enregex to identify the extent and source of the cable and will advise of impacts in subsequent correspondence.

Should you have any queries with respect to the above, please do not hesitate to contact the undersigned.

Regards,

personal

Bielby Hull Joint Venture

ASSOCIATED DRAWINGS & CONTROLLED PROJECT DOCUMENTS

Drawing or Document Number	Description	Revision	Details:
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OTHER RELATED ITEMS & ATTACHMENTS - Please refer to any Related Items, and attach any documents or photographs required as additional information

Related Lot ID/s	Description	Other Details
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Related Notice ID/s	Description	Other Details
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Related Variation ID/s	Description	Other Details
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Related Document ID/s	Description	Other Details
11371	613c9950-c08d-4c25-900a-dac4e332e64b	
11372	Unexpected service #1	

Related Photo ID/s	Description	Other Details
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[CN LINK: GEC-0021](#)

ws2sd

From: Matthew X Kelly
Sent: Tuesday, 17 August 2021 4:34 PM
To: Michael Z Kavourakis
Cc: Ross J Poidevin; ws2sd
Subject: FW: 20210323_ D06554_ M1 North Phase 3 - LR2SD (WS2SD)_ Energex Rate 2 Approval Request_Email 2 of 4
Attachments: 24012A4.3-JEG-1PU10-SKT-9002_01.pdf; Existing Conduit under L-T2A Pavement.pdf; 24012A4.3-JEG-1PU10-DRG-3007_A.pdf; 24012A4.3-JEG-1PU10-DRG-2012_A.pdf

Categories: DMS

Hi Kav,

Can you please offer the standard detail **personal information** for the extent of the new slip lane from Logan onto Compton Rd where there is a localised issue.

Let him know we can hold a meeting to go through if required.

PUP plans also attached for reference.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: **personal** <**personal**@jacobs.com>
Sent: Tuesday, 17 August 2021 4:30 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Cc: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; IH179200 <IH179200@jacobs.com>
Subject: RE: 20210323_ D06554_ M1 North Phase 3 - LR2SD (WS2SD)_ Energex Rate 2 Approval Request_Email 2 of 4

Matt,

As per the attached Longitudinal Section 24012A4.3-JEG-1PU10-SKT-9002, there is a short length of pavement widening where we approach the requirement of the 750mm cover to conduits that require protection as per Energex standard drawing 6229-A4. Our minimum cover is 737 mm so its only just meeting the requirement for protection. For the remainder of the longitudinal section, cover is 1.0m or greater

I have asked our pavement designer to look into any implications of placing this protection slab within the pavement box. The designer has provided two options, one that reduces the dimension for lean mix back fill to keep out of improved layer 1 and a 2nd option that complies with the minimum thicknesses of the Energex standard drawings with some reinforced geosynthetic.

I would see Option 2 – complying with the dimensions of the Energex standard drawing as preferable.

Please let me know if there's and further info required from Jacobs.

This issue is already escalating and would appreciate a response as soon as humanly possible before it gets out of control.

Kind Regards

Matt Kelly

Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [redacted] personal <[redacted]@jacobs.com>
Sent: Tuesday, 17 August 2021 2:50 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: FW: 20210323_ D06554_ M1 North Phase 3 - LR2SD (WS2SD)_ Energex Rate 2 Approval Request_Email 2 of 4

Matt,

I received this correspondence from ERDS today, not sure whether its on US, TMR, BHJV or CV services to respond.

Happy to discuss

From: CTPI
Sent: Tuesday, 17 August 2021 12:32 PM
To: [redacted] personal <[redacted]@jacobs.com>
Cc: D06554 <D06554@ERDS183.onmicrosoft.com>
Subject: [EXTERNAL] FW: 20210323_ D06554_ M1 North Phase 3 - LR2SD (WS2SD)_ Energex Rate 2 Approval Request_Email 2 of 4

Hi [redacted] personal

We received the below correspondence from EnergyQ regarding site construction works and apparent damage to Energex cables for the WS2SD project.

Can you please review and discuss with DTMR/CV Services and provide a response to the below? I am happy for you to respond direct to EnergyQ – if you could just copy me into the correspondence so I know it has been actioned.

Thanking you in advance.

Kind Regards,



CTPI
[redacted]
NR [redacted] Web: www.ERDS.com.au

From: [redacted] personal <[redacted]@energyq.com.au>
Sent: Friday, 13 August 2021 10:59 AM
To: CTPI
Subject: RE: 20210323_ D06554_ M1 North Phase 3 - LR2SD (WS2SD)_ Energex Rate 2 Approval Request_Email 2 of 4

Hello [redacted] CTPI

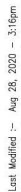
Our Asset Engineer has been advised that there is works going on outside SS NSW – where there is now restricted substation access and apparently Energex cables have been damaged outside the SS.


On your works plans it looks like CV Services are doing the construction works.

Please confirm with me whether your scope of works is outside the SS NSW and if so, please give me an update of the cable damage. It looks like from the below email trail that there was extensive vegetation clearing around the SS NSW and per the below emails

NR

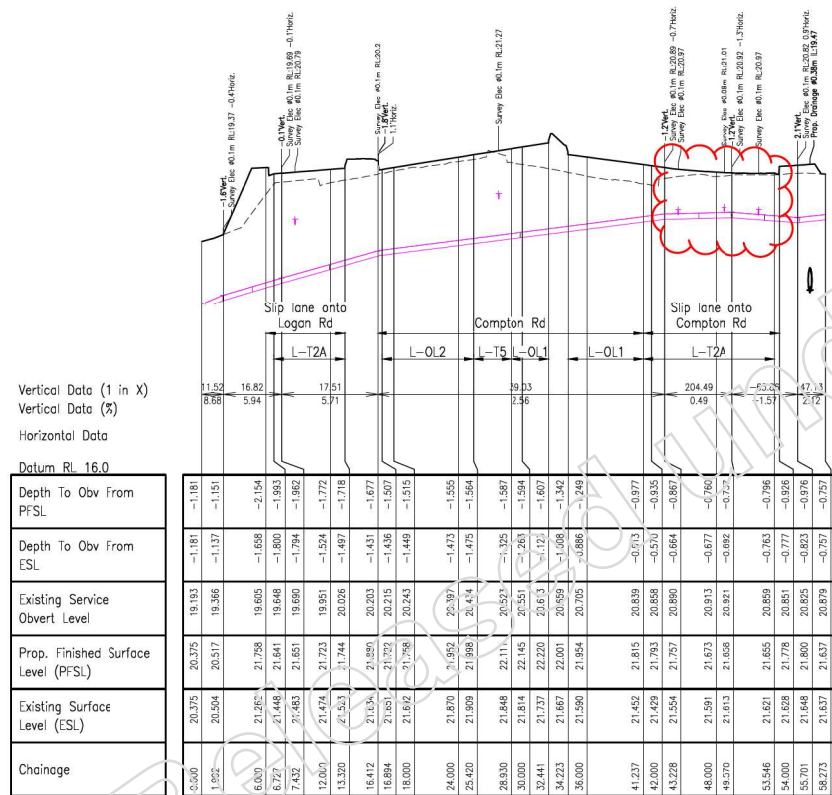
Released under RTI - DTMR



				Associated Job Nos		Survey Data		Scale <div>05101520m</div>		LOGAN CITY COUNCIL				PUBLIC UTILITY PLANT (1PU10)				 Queensland Government			
				Auxiliary Drg Nos		GD494				PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE)				LAYOUT PLAN							
						MGA (Zone 56)				CTL CHGE 0 TO 4150.258 (MC1B01)				SHEET 12				Job No. 240/12A/4.3			
						AHD (livered)				Reference Points				D. Cavu		ENGINEERING CERTIFICATION (RPEQ)				Contract No. CN-11843	
A Issued For Construction										Preceding RP Dist. to start of job (km) From start to end of job From end to Following RP Following RP				Designed		ENG. AREA NAME SIGNATURE No. DATE		Drawing No. 839108			
						Survey Books		MR102526 04		Dimensions shown in metres except where shown otherwise				M. Salsibury		Civil M. SALSIBURY M. SALSIBURY 22907 31.08.20		PU-2012			
CAD FILES				C:\Users\braffan\appdata\local\projectwise\jacobso_ons_je\140280042\24012A4.3-EG-1PU10-DWG-2011.dwg						Through Chaining from 0.0km to 4.15km								Series Number			
Revisions/Descriptions				Name or RPEQ No.		Signature		Date										A			

CODE	SERVICE TYPE	UTILITY	TYPE	SERVICE DESCRIPTION	SERIES NO	CHAINAGE	LOCATION DESCRIPTION	APPROX DEPTH (OBVERT (mm) TO EXISTING SURFACE)	WORKS AFFECTED	ACTION	SOURCE OF INFORMATION	COMMENT
SW-42	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	STORM WATER PIPE	PU-2011, PU-2012	MC1120: CH 175.00 - CH 200.00	ON NW CORNER OF LOGAN / LEXINGTON / COMPTON INTERSECTION - HEADWALL	2017MM US: 457MM DS	HEADWALL TO BE REPLACED BY FIELD INLET AS PART OF UPGRADE WORKS	REMAIN		REFER PACKAGE 1SW10
T-21	TELECOMMUNICATIONS	OPTUS	OVERHEAD TELECOMMUNICATIONS LINE	1X OVERHEAD CABLE	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	NL	LOCAL ROADS (WEST) - LEXINGTON ROAD.	RELOCATE AS PART OF EARLY WORKS CONTRACT	SURVEY/STREET VIEW	
T-22	TELECOMMUNICATIONS	OPTUS	UNDERGROUND CABLE	P100	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	850	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	MINIMUM PAVEMENT BOX CUT DEPTH 420 MM. MINIMUM EXISTING COVER 600MM.
T-23	TELECOMMUNICATIONS	NBN	UNDERGROUND CABLE	P100-T	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	570	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	MINIMUM PAVEMENT BOX CUT DEPTH 420 MM. MINIMUM EXISTING COVER 600MM.
T-24	TELECOMMUNICATIONS	TELSTRA	UNDERGROUND CABLE	P50, P100, A100	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	570	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	MINIMUM PAVEMENT BOX CUT DEPTH 420 MM. MINIMUM EXISTING COVER 600MM.
T-25	TELECOMMUNICATIONS	UECOMM	UNDERGROUND CABLE	P100	PU-2011, PU-2012	MC1120: CH 195.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	850	LOCAL ROADS (WEST) - LEXINGTON ROAD.	NO WORKS REQUIRED	DBYD	
T-28	TELECOMMUNICATIONS	OPTUS	UNDERGROUND CABLE	P50	PU-2011, PU-2012	MC1A01: CH 2315.00 - CH 2485.00	RUNS ACROSS LEXINGTON ROAD NEAR ON-RAMP AND DOWN WESTERN VERGE OF LEXINGTON ROAD.	300	LOCATED WITHIN LEXINGTON ROAD AND ON-RAMP CARRIAGEWAY.	RELOCATE	DBYD/SURVEY	
TS-15	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2011, PU-2012	MC1120: CH170.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-22	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2011, PU-2012	MC1120: CH 180.00 - CH 195.00	LOGAN RD SERVICE ROAD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
W-10	WATER	LOGAN CITY COUNCIL	WATER INFRASTRUCTURE	DN[200][AC] WATER PIPE	PU-2011, PU-2012	MC1120: CH 190.00	RUNS ACROSS LEXINGTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD SERVICE ROAD.	800 MIN; 1400 MAX	LOCAL ROADS (WEST) - LEXINGTON ROAD.	RELOCATE	DBYD/SURVEY	
RL-04	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUIT	PU-2011, PU-2013	MC1A01: CH 2280.00 - CH 2550.00	RUNS ALONG EXIT 20 OFF-RAMP	600	BUSWAY WORKS - SIGNIFICANT IMPACT, RUNS UNDER MUCH OF EXISTING CARRIAGEWAY.	RETAIN/PROTECT		
RL-10	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2011, PU-2013	MC1A01: CH 2280.00 - CH 2560.00	RUNS ALONG ROCHEDALE ROAD, NORTH OF LOGAN ROAD UNDERPASS	600	UNAFFECTED BY WORKS	RETAIN/PROTECT		
RL-11	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2011, PU-2013	MC1A01: CH 2280.00 - CH 2560.00	RUNS ALONG ROCHEDALE ROAD, ROUGHLY PARALLEL TO RL-10.	600	AS FOR RL-14.	RETAIN/PROTECT		
RL-05	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2011, PU-2013, PU-2014, PU-2015	MC1A01: CH 2360.00 - CH 3300.00	RUNS ALONG WESTERN SIDE OF LOGAN ROAD ON-RAMP NB	600	NB CARRIAGEWAY WORKS - CAN BE REMOVED WITH NO IMPACT ONCE THE LOGAN ROAD NB ON-RAMP IS CLOSED.	REMOVE/ABANDON AFTER CABLEING REMOVED		
E-12	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	4X P100	PU-2012	MC1120: CH 125.00 - CH 195.00	RUNS ACROSS LOGAN ROAD, NORTH OF LOGAN AND COMPTON ROAD INTERSECTION	1300 MIN; 2100 MAX	LOGAN ROAD WORKS	NO WORKS REQUIRED	DBYD/SURVEY	CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING CONSTRUCTION WORKS.
E-13	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	6 X P100	PU-2012	MC1120: CH 125.00	RUNS ACROSS COMPTON ROAD JUST SOUTH OF THE INTERSECTION WITH THE M1/LOGAN RD OFF RAMP.	600 MIN; 1700 MAX	LOCAL ROADS (WEST) - COMPTON ROAD, TOWARDS THE END OF THE WORKS AREA.	NO WORKS REQUIRED	DBYD/SURVEY	CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING CONSTRUCTION WORKS.
RL-16	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 145.00	RUNS ALONG LOGAN ROAD (WEST OF COMPTON ROAD INTERSECTION)	600	ROADWORKS WILL IMPLICATE RELOCATION AT SERVICE INTO THE NEW MEDIAN.	RETAIN/PROTECT		
RL-28	ROAD LIGHTING	LOGAN CITY COUNCIL	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 145.00	RUNS ACROSS COMPTON ROAD JUST SOUTH OF THE INTERSECTION WITH THE M1/LOGAN RD OFF RAMP.	600	LOCAL ROADS (WEST) - COMPTON ROAD, TOWARDS THE END OF THE WORKS AREA.	RETAIN/PROTECT		
RL-29	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 20.00	RUNS ACROSS COMPTON ROAD ON THE NORTHERN SIDE OF ITS INTERSECTION WITH LOGAN ROAD NEAR COMPTON ROAD & MOSS ST INTERSECTION.	600	LOCAL ROADS (WEST) - COMPTON ROAD AT END OF WORKS.	RETAIN/PROTECT	DBYD	
RL-37	ROAD LIGHTING	LOGAN CITY COUNCIL	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 180.00	EASTBOUND LANES OF LOGAN ROAD	600	ROAD RECONFIGURATION MAY IMPACT EXISTING SERVICE	RETAIN/PROTECT	DBYD	
RL-38	ROAD LIGHTING	DTMR	UNDERGROUND CABLE	ELECTRICAL CONDUITS	PU-2012	MC1120: CH 40.00 - CH 80.00	COMPTON ROAD MEDIAN SOUTH OF LOGAN ROAD AND COMPTON ROAD INTERSECTION	600		REMOVE/ABANDON AFTER CABLEING REMOVED	DBYD	
S-17	SEWER	LOGAN CITY COUNCIL	SEWER PIPE	DN[450][AC]	PU-2012	MC1120: CH 0.00 - CH 40.00	CROSSING COMPTON ROAD AT INTERSECTION WITH LOGAN ROAD.	1200	MANHOLE LOCATED ON EDGE OF PROJECT BOUNDARY	NOT AFFECTED	DBYD/SURVEY	OUTSIDE ARE OF WORKS AT THIS STAGE
SW-43	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	STORM WATER PIPE	PU-2012	MC1120: CH 170.00 - CH 195.00	CROSSES NORTHERN LOGAN ROAD SERVICE ROAD, CUL-DE-SAC EAST OF LEXINGTON/COMPTON INTERSECTION.	2509MM US: 552MM US	LOCAL ROADS (WEST) - HEADWALL TO BE REPLACED BY MANHOLE AS PART OF UPGRADE WORKS	REPLACE		REFER PACKAGE 1SW10
SW-44	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	CULVERT	PU-2012	MC1120: CH 160.00 - CH 175.00	RUNS UNDER LOGAN ROAD (EAST TO WEST) NORTH OF LEXINGTON/COMPTON INTERSECTION.	805MM US: 601MM US	CULVERT TO BE UPGRADED AS PART OF UPGRADE WORKS	NO ACTION		REFER PACKAGE 1SW10
SW-45	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	CULVERT HEADWALL	PU-2012	MC1120: CH 125.00 - CH 140.00	ON WESTERN END OF SW-44	CROSSING PIPE DETAIL 1706MM US: 453MM US	AS PER SW-44	NO ACTION		REFER PACKAGE 1SW10
SW-61	STORMWATER	LOGAN CITY COUNCIL	STORMWATER	CULVERT	PU-2012	MC1120: CH 10.00 - CH 65.00	CROSSING LOGAN ROAD WEST OF INTERSECTION WITH COMPTON ROAD.	CULVERT DETAIL 1706MM US: 453MM US	CROSSES NEAR COMPTON ROAD	RETAIN		REFER PACKAGE 1SW10
TS-16	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 145.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-17	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 145.00 - CH 155.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-18	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 130.00 - CH 140.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-19	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 125.00 - CH 145.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-20	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 130.00 - CH 145.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-21	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 170.00	LOGAN RD AND COMPTON ROAD INTERSECTION	750	COMPTON ROAD / LOGAN ROAD INTERSECTION UPGRADE	REMOVE/ABANDON AFTER CABLEING REMOVED		
TS-23	TRAFFIC SIGNALS	DTMR	UNDERGROUND CABLE	ELECTRICAL AND/OR COMMS CONDUITS IN ROAD	PU-2012	MC1120: CH 45.00	COMPTON ROAD MEDIAN	750	NONE	RETAIN/PROTECT		
W-11	WATER	LOGAN CITY COUNCIL	WATER INFRASTRUCTURE	DN[150][AC] WATER PIPE	PU-2012	MC1120: CH 125.00	RUNS ACROSS COMPTON ROAD JUST SOUTH OF THE INTERSECTION WITH LOGAN RD.	1000 MIN; 2500 MAX	LOCAL ROADS (WEST) - COMPTON ROAD, TOWARDS THE END OF THE WORKS AREA. IMPACT DEPENDS ON SERVICE DEPTH.	REPLACE A SMALL SECTION OF MAIN IN THE LOGAN/COMPTON SLIP LANE. PROTECT THE REMAINDER OF THE WATER MAIN DURING CONSTRUCTION. INSTALL VALVE NORTHERN END.	DBYD/SURVEY	THIS IS AN AC MAIN AND THE CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTION OF THIS MAIN.
E-10	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	10 X P100	PU-2013	MC1A01: CH 2635.00 - 2645.00	RUNS ON THE NORTHERN SIDE OF LOGAN ROAD UNDERNEATH THE PACIFIC MOTORWAY	640 MIN; 1500 MAX	WITHIN NEW BRIDGE WORK FOOTPRINT.	RELOCATE	DBYD/SURVEY	CONSTRUCTION INVOLVES HDI AND ASSOCIATED CONDUITS AND FITS. CONNECTION TO E-10 ON THE WESTERN SIDE OF M1.
E-14	ELECTRICAL	ENERGEX	UNDERGROUND CABLE	10 X P100	PU-2013	MC1A01: CH 2625.00 - CH 2655.00	RUNS ACROSS LOGAN ROAD EAST OF THE COMPTON RD INTERSECTION.	1200MIN; 2100 MAX	ROADWORKS MAY AFFECT SERVICE.	NO WORKS REQUIRED OTHER THAN A CONNECTION WITH RELOCATED E-10	DBYD/SURVEY	CONTRACTOR TO PROVIDE TEMPORARY PROTECTION DURING CONSTRUCTION WORKS.

Associated Job Nos		Survey Data		Scales		LOGAN CITY COUNCIL		PUBLIC UTILITY PLANT (1PU10)		Queensland Government	
Auxiliary Drg Nos		GDA94				PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE)		CONFLICTS REGISTER		Job No. 240/12A/4.3	
		MGA (Zone 56)				CTL CHGE 0 TO 4150.258 (MC1B01)		SHEET 7		Contract No. CN-11843	
		Height Datum				Reference Points		ENGINEERING CERTIFICATION (RPEQ)		Drawing No. 839123 A	
		Survey Books		MR102526 04		Dimensions shown in metres except where shown otherwise		Drawn D. Cavi		Series Number PU-3007	
A Issued For Construction		Name or RPEQ No.		Signature		Date		ENG. AREA		No. DATE	
Revisions/Descriptions								Civil		M. SALSIBURY	
CAD FILES		C:\users\brofem\appdata\local\projective\jacobs\anz\j1\0280042\2401244.3-JEG-1PU10-DRG-3007.dwg						M. Salsibury		22907 31.08.20	

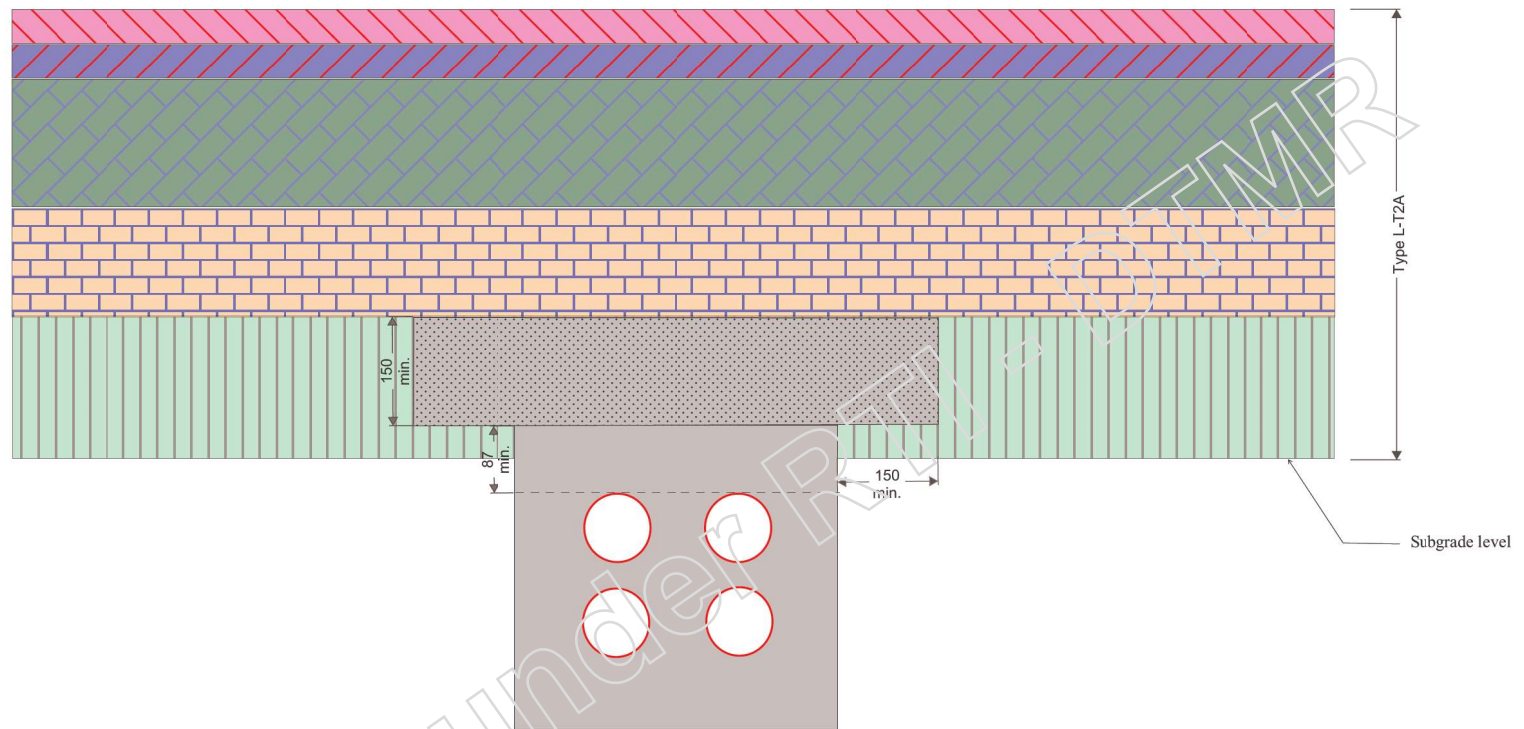


Longitudinal Section - Energex - E-13 - 6xP100

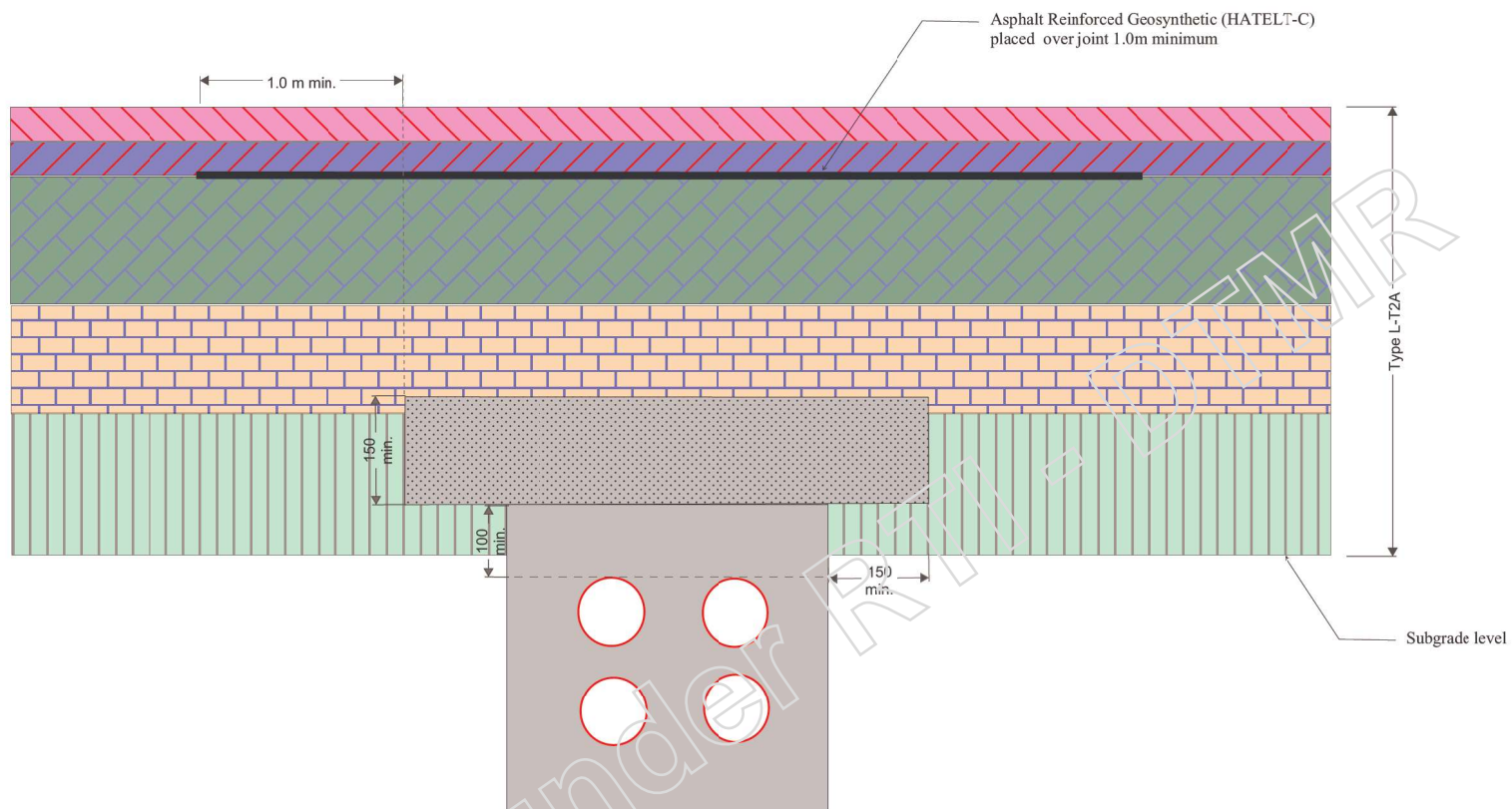
Scale A (H)

Scale B (V)

[illegible]



OPTION 1 - 150mm CONCRETE SLAB LOCATED AT THE BOTTOM OF IMPROVED LAYER 1



OPTION 2 - 150 mm CONCRETE SLAB INTRUDE INTO IMPROVED LAYER 1

Matthew X Kelly

From: [redacted] personal@jacobs.com>
Sent: Tuesday, 17 August 2021 4:30 PM
To: Matthew X Kelly
Cc: Michael Z Kavourakis; Ross J Poidevin; IH179200
Subject: RE: 20210323_D06554_M1 North Phase 3 - LR2SD (WS2SD)_ Energex Rate 2 Approval Request_Email 2 of 4
Attachments: 24012A4.3-JEG-1PU10-SKT-9002_01.pdf; Existing Conduit under L-T2A Pavement.pdf

Matt,

As per the attached Longitudinal Section 24012A4.3-JEG-1PU10-SKT-9002, there is a short length of pavement widening where we approach the requirement of the 750mm cover to conduits that require protection as per Energex standard drawing 6229-A4. Our minimum cover

Is 737 mm so its only just meeting the requirement for protection. For the remainder of the longitudinal section, cover is 1.0m or greater

I have asked our pavement designer to look into any implications of placing this protection slab within the pavement box. The designer has provided two options, one that reduces the dimension for lean mix back fill to keep out of improved layer 1 and a 2nd option that complies with the minimum thicknesses of the Energex standard drawings with some reinforced geosynthetic.

I would see Option 2 – complying with the dimensions of the Energex standard drawing as preferable.

Please let me know if there's and further info required from [redacted] personal

This issue is already escalating and would appreciate a response as soon as humanly possible before it gets out of control.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [redacted] personal <[redacted]@jacobs.com>
Sent: Tuesday, 17 August 2021 2:50 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: FW: 20210323_ D06554_ M1 North Phase 3 - LR2SD (WS2SD)_ Energex Rate 2 Approval Request_Email 2 of 4

Matt,

I received this correspondence from ERDS today, not sure whether its on US, TMR, BHJV or CV services to respond.

Happy to discuss

From: CTPI
Sent: Tuesday, 17 August 2021 12:32 PM
To: [redacted] personal <[redacted]@jacobs.com>
Cc: D06554 <D06554@ERDS183.onmicrosoft.com>
Subject: [EXTERNAL] FW: 20210323_ D06554_ M1 North Phase 3 - LR2SD (WS2SD)_ Energex Rate 2 Approval Request_Email 2 of 4

Hi [redacted] personal

We received the below correspondence from EnergyQ regarding site construction works and apparent damage to Energex cables for the WS2SD project.

Can you please review and discuss with DTMR/CV Services and provide a response to the below? I am happy for you to respond direct to EnergyQ – if you could just copy me into the correspondence so I know it has been actioned.

Thanking you in advance.

Kind Regards,



CTPI
[redacted]
NR [redacted] Web: www.ERDS.com.au

From: [redacted] personal <[redacted]@energyq.com.au>
Sent: Friday, 13 August 2021 10:59 AM
To: CTPI
Subject: RE: 20210323_ D06554_ M1 North Phase 3 - LR2SD (WS2SD)_ Energex Rate 2 Approval Request_Email 2 of 4

Hello CTPI

Our Asset Engineer has been advised that there is works going on outside SS NSW – where there is now restricted substation access and apparently Energex cables have been damaged outside the SS.

On your works plans it looks like CV Services are doing the construction works.

Please confirm with me whether your scope of works is outside the SS NSW and if so, please give me an update of the cable damage. It looks like from the below email trail that there was extensive vegetation clearing around the SS NSW and per the below emails

NR

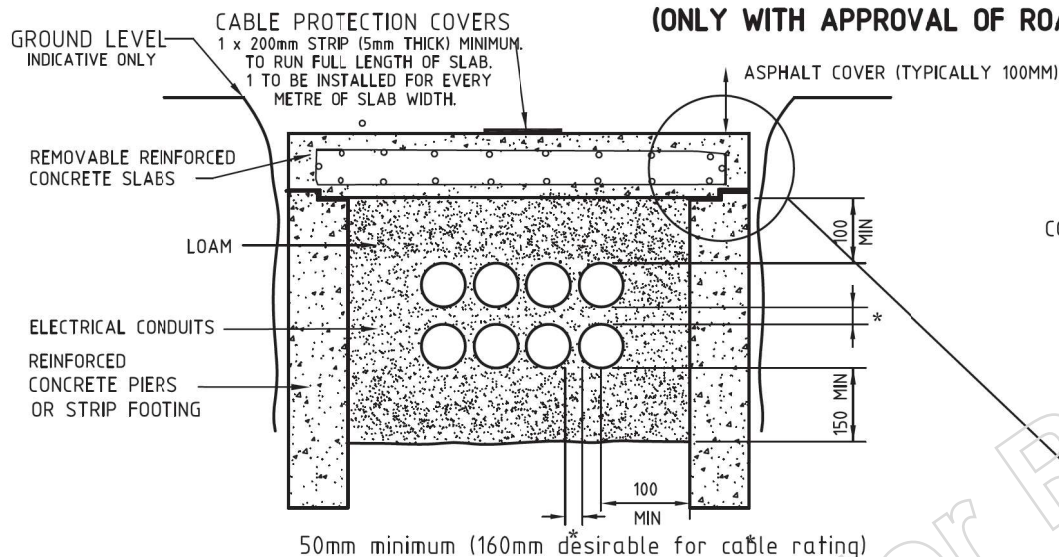
NR

Released under RTI - DTMR



METHOD OF LAYING UNDERGROUND ELECTRICAL CONDUITS WHERE STANDARD COVER CANNOT BE ACHIEVED

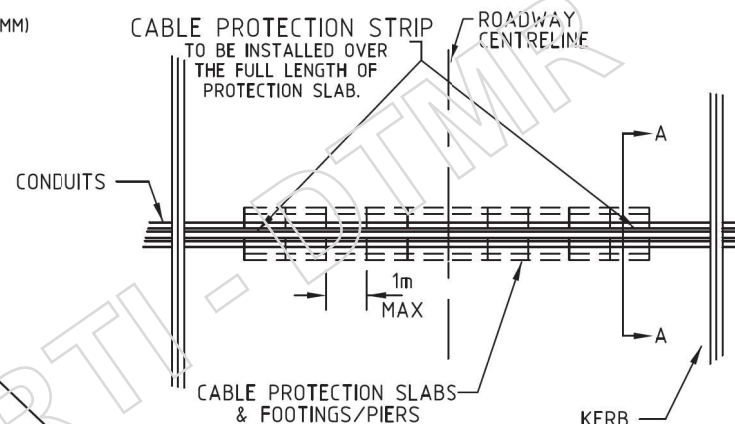
(ONLY WITH APPROVAL OF ROAD AUTHORITY)



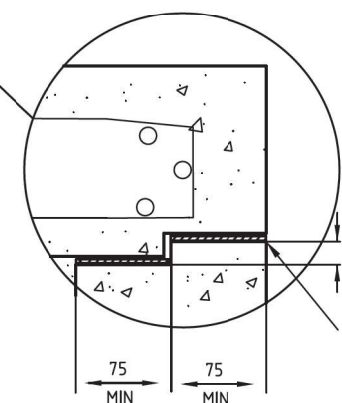
PROTECTION SLAB SECTION A-A

NOTES


1. Concrete Strip Footings or Piers shall be installed to prevent compression of Electrical Conduits by the Concrete Slabs. Slabs and Footings shall be designed and certified to meet DTMR/Council requirements.
2. The Concrete Protection Slabs & Footings/Piers shall be continued until minimum cover of 750mm is achieved or conduits rise to terminate.
3. The Concrete Protection Slabs shall be detailed + jointed at maximum 1.0m centres and fitted with flush mounted lifting eyes to enable removal.
4. Suitable adhesive shall be applied to the top surface of the Strip Footings/Piers before fixing the polyethene sheets prior to the Protection Slab is installed/poured.
5. Trenches shall be shaped, backfilled and drained to suit DTMR/Council requirements (e.g Pavement drainage to be provided on uphill side of structure & trenches shall be wide enough for suitable compaction.)



PROTECTION SLAB PLAN



10mm THICK NON-ABSORBANT SEMIRIGID POLYETHYLENE SHEETS STICKED TO EACH SURFACE USING AN ADHESIVE COMPATIBLE WITH THAT MATERIAL

A		ORIGINAL ISSUE		B	DATE		28/8/15		APPD	A.Smith de Perez		CKD	A. De Costa		DRN	P. Relf		UPDATE NOTES	
B																			
 energex										© COPYRIGHT 2012 ENERGEX									
This drawing must not be reproduced in part or whole without written permission from ENERGEX																			
										UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL									
										CIVIL WORKS									
										EXCAVATION AND REINSTATEMENT									
										CONDUIT INSTALLATION									
										REDUCED COVER									
		APP'D		R. ENGLISH				CAD				DATE		10/10/08		6229-A4		B	
		RECD						SECTION		SUB-SECT						C2		3.2	
		CKD		P.BARNEY												SHT 1		OF 3	
		DWN		F.AMANPOOR														FILE UDC-C2-3.2-1B.DWG	



Matthew X Kelly

From: Ross J Poidevin
Sent: Tuesday, 17 August 2021 3:38 PM
To: [personal] [personal]
Cc: Matthew X Kelly
Subject: FW: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)

Importance: High

[personal] [personal]

Further to our chat yesterday, just outlining some of the steps taken to date and hopefully we can update some key contacts to avoid recurrence of issues.

TMR initially spoke with one of your colleagues [personal information] (Network Manager SE South, Grid Planning and Optimization, Asset Safety and Performance), to discuss the works around the substation back in Jan 2020. We have continued to liaise [personal information] have passed along his details to BHJV for the day to day liaison on site.

In respect of the key issues, couple of comments/background below.

Cleared vegetation:

- Early March 2021 [NR]

- [NR]

- [NR]

- [NR]

Surrounding Works:

- Mid-March [NR]

- [NR]

- [NR]

- [NR]

Damaged cable:

- The area was identified during the design process and TMR/Jacobs (Designer) liaised [personal information] (Energex Design Phase Rep).
- The cables were positively identified during design and also during initial site investigations.
- The ultimate residual cover level to the final finished surface was on the cusp of Energex's "local road standards" and therefore not identified as needing additional protection during the design phase.
- A protection solution to this is being worked through [personal information] on how best to rectify on a permanent basis, being cognisant of the recent damage.
- For the cable strike, a report is currently being developed by the contractor surrounding the circumstances and revision, as required, of operating procedures.

We have our senior monthly meeting with the contractor tomorrow in which further info regarding site procedures will be discussed in detail.

Due to personnel changes and events that have transpired, suggest a meeting between key Energex reps, BHJV and TMR to share forward works programmes, key contacts and access requirement would be prudent.

[personal] - I will give you a call to discuss any key outcomes, path forward and attendees for the meeting suggested above.

If there are any particular issues that arise in the interim, happy to discuss or Matt Kelly [NR] who is the TMR PM for this section of our works is also available.

Regards,

Ross Poidevin
Project Director (M1 North) | South Coast Region
Program Delivery and Operations | Department of Transport and Main Roads

From: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>
Sent: Friday, 13 August 2021 12:21 PM
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Cc: David I Selth <David.I.Selth@tmr.qld.gov.au>
Subject: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)
Importance: High

From: [personal] <[\[personal\]@energex.com.au](mailto:[personal]@energex.com.au)>
Sent: Friday, 13 August 2021 8:50 AM
To: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>
Subject: FW: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

Hi Nicola,

Hoping you can assist with this one. It seems there is a TMR contractor working outside the Energex North Springwood substation (Bielby Hull JV - Watland St to Sports Drive project). They have blocked off a driveway to the substation and have unfortunately dug up a cable yesterday.

The bottom email in this chain [personal information] has some more info and it seems that there may be work going on within the Energex property boundary by the contractors.

I would expect Energex reps are discussing/managing the cable incident yesterday with the contractor directly. Can you please let me know who is managing this project on TMR's side or who we can discuss this with just to ensure the correct processes have occurred in this instance?

Thanks

[personal]

From: [personal] <[\[personal\]@energex.com.au](mailto:[personal]@energex.com.au)>
Sent: Thursday, 12 August 2021 7:49 AM
To: [personal] <[\[personal\]@energex.com.au](mailto:[personal]@energex.com.au)>
Subject: FW: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

Hi [personal]

looks like they have dug up a cable yesterday.

INCD – 37896 - Road works contractor hit 11kV cable whilst excavating. Bielby Hull JV. Site contact [CTPI] <[\[CTPI\]@bhiv.com.au](mailto:[CTPI]@bhiv.com.au)>
[CTPI] contacted ESO to advise.
Outside SSNSW Logan Rd Underwood

Cheers

[personal]

From: [personal] <[\[personal\]@energex.com.au](mailto:[personal]@energex.com.au)>
Sent: Thursday, 24 June 2021 11:29 AM
To: [personal] <[\[personal\]@energex.com.au](mailto:[personal]@energex.com.au)>
Cc: Town Planning (Energex) <townplanning@energex.com.au> [personal] <[\[personal\]@energex.com.au](mailto:[personal]@energex.com.au)>
Subject: RE: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

Matthew X Kelly

From: Ross J Poidevin
Sent: Tuesday, 17 August 2021 3:50 PM
To: Matthew X Kelly
Subject: FW: 11kV UG cable contacted by excavator at SSNSW

FYI – might need to get Jacobs, et al, to pull the finger out

From: Ross J Poidevin
Sent: Tuesday, 17 August 2021 3:42 PM
To: [personal]@energyq.com.au>
Subject: RE: 11kV UG cable contacted by excavator at SSNSW

Hi [personal]

Further to my other email, the permanent solution is actively being pursued with your [personal]

As soon as further info becomes available, I will ask the PM to provide an update to below.

Cheers,
Ross

Ross Poidevin
Project Director (M1 North) | South Coast Region
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl St, Eight Mile Plains
PO Box 442 | Nerang Qld 4211
P: (07) 55636535 | F: (07) 55636611
E: ross.j.poidevin@tmr.qld.gov.au
W: www.tmr.qld.gov.au

From: [personal]@energyq.com.au>
Sent: Monday, 15 August 2021 2:04 PM
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: 11kV UG cable contacted by excavator at SSNSW

Hi Ross

Refer our conversation, please can you check with your Project Manager regarding this incident.
Below are details provided by our Area Manager.

Cheers

[personal]
Network Management SE
Grid Planning Engineering
Energex Limited
26 Reddacliff Street



From: [personal]@energyq.com.au

Sent: Monday, 15 August 2021 12:59 PM

To: HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>; [personal]@energyq.com.au; [personal]@energyq.com.au

Cc: [personal]@energyq.com.au; [personal]@energyq.com.au; [personal]@energyq.com.au

Subject: RE: INC-37906 - 11kV UG cable contacted by excavator at SSNSW

Hi [personal information]

The construction supervisor advised they were well aware of our cables and the location (including the depth) as they had locations completed prior to works starting.

As part of the works they uncovered all the conduits under the new turning lane (they have photos) which shows them going into a concrete encasement as they go under the existing roadway. The new roadway and our conduits were already backfilled and heavily compacted with roadbase at the time of the incident.

I queried whether they engaged Energex to relocate the assets (or install additional precautions due to the depth not being suitable under a roadway) to which the response was they advised TRM however they responded nothing was needed to be done, so the contract company continued with the works.

The work health and safety inspector interviewed the various construction employees on-site, and they all acknowledged they're fully aware of our assets locations, including the operator of the machine that hit the cable.

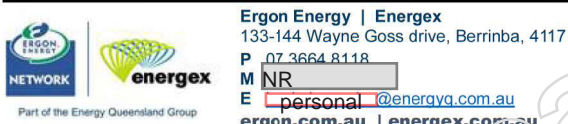
Due to the above, there was no need for any further safety advice.

[personal] have we heard back from TMR yet?

Regards,

[personal]

Area Manager – Brisbane South
Operations Field Delivery | Operations



From: [personal]@energyq.com.au

Sent: Friday, 13 August 2021 8:51 AM

To: HSE Legal Support (EnergyQ) <HSELegalSupport@energyq.com.au>; [personal information]@energyq.com.au; [personal information]@energyq.com.au; HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>

Cc: Engineering Incident Management (EnergyQ) <EngIncidentMgt@energyq.com.au>; [redacted]@energyq.com.au>; [redacted]@energex.com.au>; [redacted]@energyq.com.au>
Subject: RE: INC-37906 - 11kV UG cable contacted by excavator at SSNSW

Thanks [redacted]

I've attached a few photos that [redacted] team took yesterday after installing two cable joints and a short length of triplex. Hopefully this gives some context around the situation with shallow conduits in the future turning lane.

Regards,

[redacted] personal

Area Manager – Brisbane South
Operations Field Delivery | Operations



Ergon Energy | Energex
133-144 Wayne Goss drive, Berrinba, 4117
P 07 3664 8118
M [redacted]
E kevin.lavender@energyq.com.au
ergon.com.au | energex.com.au



From [redacted]@energyq.com.au>

Sent: Thursday, 12 August 2021 12:28 PM

To: [redacted]@energyq.com.au>; HSE Regulatory Compliance (EnergyQ) <HSERegCompliance@energyq.com.au>; [redacted]@energyq.com.au>

Cc: HSE Legal Support (EnergyQ) <HSELegalSupport@energyq.com.au>; Engineering Incident Management (EnergyQ) <EngIncidentMgt@energyq.com.au>; [redacted]@energyq.com.au>; [redacted]@energex.com.au>

Subject: RE: INC-37906 - 11kV UG cable contacted by excavator at SSNSW

Hi Guys,

We may need someone to work with DTMR from an engineering and compliance perspective here.

There are 12 x ACM conduits that cross Logan Rd, and they appear to be under depth due to the road works that are occurring. I believe once the top layer of footpath goes on they may achieve 600mm, however the main concern here is the road widening and roadway.

Feeder: [NSW36A](#)

11kV - 300mm sq Cu 3C PLYHDPE

[Open in PowerOn](#)

Feeder: [NSW25](#)

11kV - 185mm sq Cu 3C PLYSWS

[Open in PowerOn](#)

Feeder: [NSW19](#)

11kV - 185mm sq Cu 3C PLYSWS

[Open in PowerOn](#)

Feeder: [NSW3A](#)

11kV - 240mm2 Cu 3C XLPESCRHDPE

[Open in PowerOn](#)

Feeder: [FO1014](#)

P - 72 FIBRE; SINGLE MODE; UG; C/W

Feeder: [NSW8A](#)

11kV - 185mm sq Cu 3C PLYSWS

[Open in PowerOn](#)

Basically Logan Rd and Compton road is being expanded with the turning lane moving a full size lane towards our substation SSNSW.

Due to the cable damage, 2 x 11kV cable joints will be installed today on NSW25 feeder however this will result in one of the joints being located under the future roadway.

The conduit depth at the location of damage is 400-500mm however this was not finished ground level and additional earthworks were occurring to increase this by 200mm.

The contractors on-site (working for DTMR performing the roadworks) have uncovered the conduits previously (and have photos) which shows:

- 600m depth to top conduit (hard to get a perfect measurement as the road heights are changing)
- Concrete encased and cable marker bricks as the conduits go under the existing roadway
- No additional precautions taken to concrete encase or relocate the conduits under the new extended roadway. Apparently the contractor raised with DTMR and got advised it was okay to leave as is.



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(07) 4766 2900

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Released under RTI - DTMR

Matthew X Kelly

From: [personal]@driveengineering.com.au>
Sent: Tuesday, 17 August 2021 2:31 PM
To: Ross J Poidevin; Matthew X Kelly
Subject: FW: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant
Attachments: Unexpected service #1.jpg; 613c9950-c08d-4c25-900a-dac4e332e64b(1).pdf

This is what we know so far.

From: [personal]@driveengineering.com.au>
Sent: Tuesday, 17 August 2021 1:39 PM
To: [personal]@bhjv.com.au>
Cc: [personal]@bhjv.com.au>; [personal]@driveengineering.com.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: RE: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

Thank [personal]

I couldn't see the attached photo in the correspondence. Could you send this through if you have it.

Could you also confirm that this work was not breaching the prohibition notice for the previous Energex Strike?

Cheers

[personal]



From: [personal]@bhjv.com.au <No-Reply@bhjv.com.au>
Sent: Tuesday, 17 August 2021 1:35 PM
To: [personal]@driveengineering.com.au>; [personal]@driveengineering.com.au>
Cc: [personal]@bhjv.com.au>; [personal]@bhjv.com.au>
Subject: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

GENERAL CORRESPONDENCE (GEC)

DETAILS			
Title:	CN-11843 GEC-0021 Notice of Additional Public Utility Plant - Logan Road		
Contractor REF Number:	GEC-0021	Client REF Number:	
Raised By:	[personal]	Date Raised:	17/08/2021

Sent To:	personal	Sent To Company:	Drive Engineering, Drive Engineering
Contract Number:	CN-11843		
Contract Name:	Watland Street to Sports Drive		
Location:	Logan / Compton Road Intersection		
Discipline:		Sub-Discipline:	

Dear personal

Pursant to Clause 27.7.2 of the contract, while excavating to install drainage line 2/5045 to 1/5045 we have indentified an additoianl electrical service not shown in the PUP drawings or DBYD. Refer attached photo and pan showing apporximate location of impacted service.

We are currently workign with Enregex to identify the extent and source of the cable and will advise of impacts in subsequent correspondence.

Should you have any queries with respect to the above, please do not hesitate to contact the undersigned.

Regards,

personal

Bielby Hull Joint Venture

ASSOCIATED DRAWINGS & CONTROLLED PROJECT DOCUMENTS

Drawing or Document Number	Description	Revision	Details:
----------------------------	-------------	----------	----------

OTHER RELATED ITEMS & ATTACHMENTS - Please refer to any Related Items, and attach any documents or photographs required as additional information

Related Lot ID/s	Description	Other Details
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Related Notice ID/s	Description	Other Details
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Related Variation ID/s	Description	Other Details
------------------------	-------------	---------------

Related Document ID/s	Description	Other Details
11371	613c9950-c08d-4c25-900a-dac4e332e64b	
11372	Unexpected service #1	

Related Photo ID/s	Description	Other Details
--------------------	-------------	---------------

[CN LINK: GEC-0021](#)



Released under RTI - DTMR

ws2sd

From: [redacted] personal [redacted]@bhjv.com.au>
Sent: Wednesday, 18 August 2021 2:30 PM
To: [redacted] personal [redacted]
Cc: [redacted] personal [redacted]
Subject: RE: Electrical Conflict with SW 1/5045

Categories: DMS

Thanks [redacted] personal [redacted]

CV inspected have inspected the cable and couldn't confirm it was live through testing.
We are arranging service locators to trace the cable and once we know where it goes CV will advise if any disconnection etc. are required.

Regards,

[redacted] personal [redacted]



From: [redacted] personal [redacted]@driveengineering.com.au>
Sent: Wednesday, 18 August 2021 1:48 PM
To: [redacted] personal [redacted]@bhjv.com.au>; [redacted] personal [redacted]@bhjv.com.au>
Cc: [redacted] personal [redacted]@bhjv.com.au>; [redacted] personal [redacted]@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>; [redacted] personal [redacted]@driveengineering.com.au>; [redacted] personal [redacted]@driveengineering.com.au>; [redacted] personal [redacted]@driveengineering.com.au>
Subject: RE: Electrical Conflict with SW 1/5045

Hi [redacted] personal [redacted]

I've had a chat with [redacted] personal [redacted] following his catch up with Energex this morning. Energex confirmed they were unaware of this cable – it may be decommissioned/redundant, however at this point they can't be sure.

If they haven't already done so, could you please arrange for CV to test/trace the cable to determine if it is indeed "dead", or if it feeds something?

If we can confirm it is redundant, then happy to remove it.

Let me know if any issues.

Cheers, [redacted] personal [redacted]

personal
ADMINISTRATOR'S REPRESENTATIVE
BEng (Civil) (Hons), BBusiness (Man), Masters Construction Law (Hons), CPEng, MIEAust, RPEQ
Mobile: NR Email: personal@driveengineering.com.au
DRIVE
ENGINEERING PTY LTD
ABN 55 152 420 936

From: personal@bhjv.com.au
Sent: Wednesday, 18 August 2021 12:38 PM
To: personal@tmr.qld.gov.au
Cc: personal@bhjv.com.au; personal@driveengineering.com.au
Subject: FW: Electrical Conflict with SW 1/5045

Hi personal

Please see below and attached regarding a conflict between an existing (unknown) electrical service on Logan Road and a proposed road gully.
personal advised he has discussed this one with you today and it may be a redundant Rate 3 cable?
If so, can you please confirm this and also confirm the proposed treatment?

Regards,

personal



NR
www.bielby.com.au

From: personal
Sent: Wednesday, 18 August 2021 8:44 AM
To: personal@energyq.com.au
Cc: personal@bhjv.com.au; personal@bhjv.com.au; personal@bhjv.com.au
Subject: Electrical Conflict with SW 1/5045

personal

Further to our discussions yesterday, and between ~~personal information~~ on Energex last night, please see attached sketches showing the conflict area between an unknown electrical cable and road gully 1/5045.
Can you please investigate if this conduit is still live? No design documentation or DBYD shows the cable so not sure of the possible treatment (remove or relocate).

Regards,

personal



NR
www.bielby.com.au

From: Michael Z Kavourakis
Sent: Wednesday, 18 August 2021 9:39 AM
To: personal
Cc: Matthew X Kelly; Ross J Poidevin
Subject: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment
Attachments: 24012A4.3-JEG-1PU10-SKT-9002_01.pdf; 24012A4.3-JEG-1PU10-DRG-2012_A.pdf

Categories: Orange Category

Personal

Thanks very much for the chat.

As you're aware and as discussed, there are a number of emails flying around regarding the 11kV Energex conduits / cables which were struck beneath the Logan Road / Compton Road left-turn slip lane – adjacent to the existing substation.

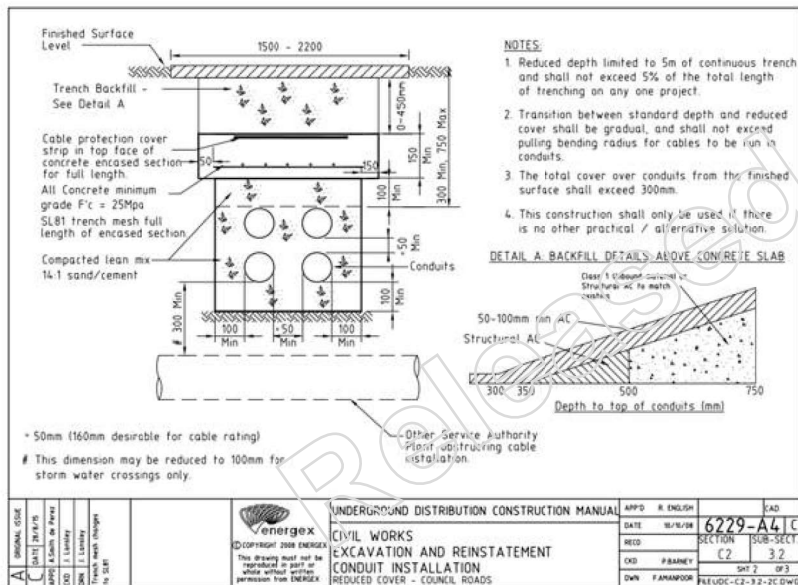
personal have prepared the attached long section, which shows the ultimate residual cover for the full length of the Energex alignment beneath Compton Road – and have clouded the area where the ultimate residual cover was 'on the cusp' of Energex's minimum cover requirements under a Logan City Council road.

You'll note that the minimum cover will ultimately be 737 mm, quickly increasing on either side to >800mm.

We're hoping you're able to help us out by having some discussions internally with a information (and others), to determine the most appropriate course of action.

Based on our discussion, TMR and BHJV would be happy to proceed with any of the following options:

1. Construct a concrete protection slab in accordance with the Energex standard detail below, for full width of the slip lane (approximately 11 m)
2. Construct a concrete protection slab in accordance with the Energex standard detail below, for the shallowest 5 m section
3. Construct the pavement box immediately above the existing conduits (approximately 750 mm deep) installing the hard cover strip only, without the concrete protection slab



If you could please confirm which of the above options is the most acceptable to Energex, TMR will direct BHJV asap to resolve / finalise the issue.

Feel free to give me a call if you have any questions or require additional information.

Kind regards

personal

personal

M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211

M: NR
P: 5563 6437

personal@tmr.qld.gov.au
www.tmr.qld.gov.au

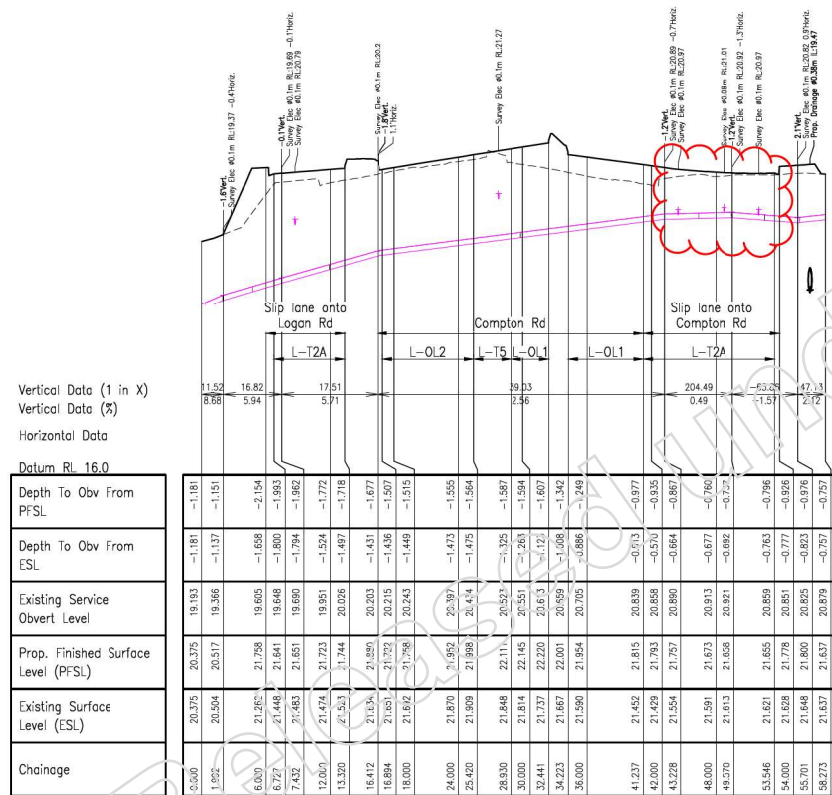
Crossing at
traffic lights?



Don't touch the button,
elbow bump it instead!



Crossing at traffic lights? Don't touch the button, elbow bump it instead!



Longitudinal Section - Energex - E-13 - 6xP100

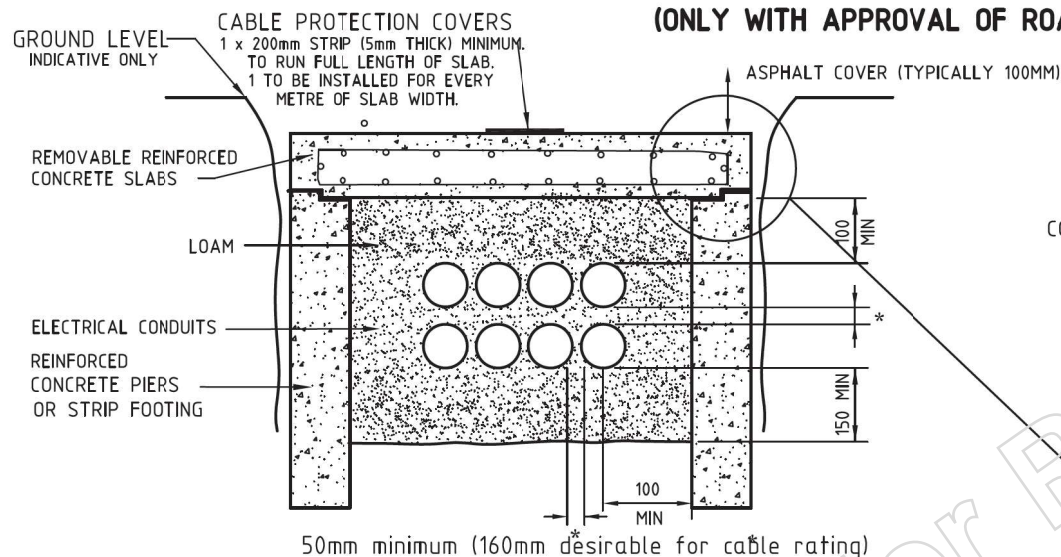
Scale A (H)

Scale B (V)

[illegible]

METHOD OF LAYING UNDERGROUND ELECTRICAL CONDUITS WHERE STANDARD COVER CANNOT BE ACHIEVED

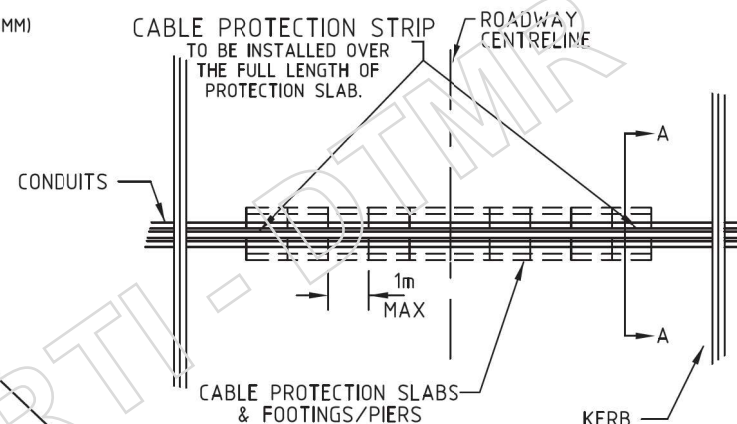
(ONLY WITH APPROVAL OF ROAD AUTHORITY)



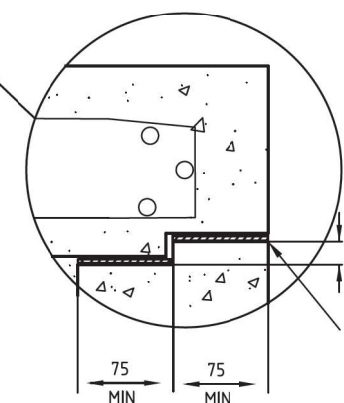
PROTECTION SLAB SECTION A-A

NOTES

1. Concrete Strip Footings or Piers shall be installed to prevent compression of Electrical Conduits by the Concrete Slabs. Slabs and Footings shall be designed and certified to meet DTMR/Council requirements.
2. The Concrete Protection Slabs & Footings/Piers shall be continued until minimum cover of 750mm is achieved or conduits rise to terminate.
3. The Concrete Protection Slabs shall be detailed + jointed at maximum 1.0m centres and fitted with flush mounted lifting eyes to enable removal.
4. Suitable adhesive shall be applied to the top surface of the Strip Footings/Piers before fixing the polyethene sheets prior to the Protection Slab is installed/poured.
5. Trenches shall be shaped, backfilled and drained to suit DTMR/Council requirements (e.g Pavement drainage to be provided on uphill side of structure & trenches shall be wide enough for suitable compaction.)



PROTECTION SLAB PLAN



10mm THICK NON-ABSORBANT SEMIRIGID POLYETHYLENE SHEETS STICKED TO EACH SURFACE USING AN ADHESIVE COMPATIBLE WITH THAT MATERIAL

A		ORIGINAL ISSUE		B	DATE		28/8/15		APPD	A.Smith de Perez		CKD	A. De Costa		DRN	P. Relf		UPDATE NOTES	<div> energex</div> <div>© COPYRIGHT 2012 ENERGEX</div> <div>This drawing must not be reproduced in part or whole without written permission from ENERGEX</div>	UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL										APP'D		R. ENGLISH		CAD	
B		DATE			10/10/08		RECD			SECTION			SUB-SECT			CKD				P.BARNEY		DWN		F.AMANPOOR		6229-A4		B							
										C2			3.2																						
		</																																	

From: [redacted] personal
To: Ross J Poidevin
Subject: RE: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)
Date: Wednesday, 18 August 2021 8:17:41 AM
Attachments: [redacted] image001.png
[redacted] image003.png
[redacted] image005.png

Thank you [redacted] personal

I appreciate your prompt action/response to this issue.

I normally look after statewide issues with Nicola Boyd (eg: the MoU between TMR and EQL) so normally don't get involved in individual project unless a resolution cannot be found at the local level. As this is project related, I will leave you to discuss with [redacted] personal information direct involvement in this one.

Thanks,

[redacted] personal

From: [redacted] personal <[redacted]@tmr.qld.gov.au>
Sent: Tuesday, 17 August 2021 3:38 PM
To: [redacted] personal <[redacted]@energex.com.au>; [redacted] personal <[redacted]@energex.com.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: FW: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)
Importance: High

Hi [redacted] personal

Further to our chat yesterday, just outlining some of the steps taken to date and hopefully we can update some key contacts to avoid recurrence of issues

TMR initially spoke with one of your colleagues, [redacted] personal Network Manager SE South, Grid Planning and Optimization, Asset Safety and Performance), to discuss the works around the substation back in Jan 2020. We have continued to liaise with [redacted] personal have passed along his details to BHJV for the day to day liaison on site.

In respect of the key issues, couple of comments/background below.

Cleared vegetation:

- Early March 2021 [redacted] NR

Surrounding Works:

- Mid-March [redacted] NR

Damaged cable:

- The area was identified during the design process and TMR/Jacobs (Designer) liaised with [redacted] personal Energex Design Phase Rep).
- The cables were positively identified during design and also during initial site investigations.
- The ultimate residual cover level to the final finished surface was on the cusp of Energex's "local road standards" and therefore not identified as needing additional protection during the design phase.
- A protection solution to this is being worked through with Nick as we speak on how best to rectify on a permanent basis, being cognisant of the recent damage.
- For the cable strike, a report is currently being developed by the contractor surrounding the circumstances and revision, as required, of operating procedures.

We have our senior monthly meeting with the contractor tomorrow in which further info regarding site procedures will be discussed in detail.

Due to personnel changes and events that have transpired, suggest a meeting between key Energex reps, BHJV and TMR to share forward works programmes, key contacts and access requirement would be prudent.

[redacted] personal will give you a call to discuss any key outcomes, path forward and attendees for the meeting suggested above.

If there are any particular issues that arise in the interim, happy to discuss or Matt Kelly [redacted] NR who is the TMR PM for this section of our works is also available.

Regards,

Ross Poidevin
Project Director (M1 North) | South Coast Region
Program Delivery and Operations | Department of Transport and Main Roads
18 Brandt St, Eight Mile Plains
PO Box 442 | Newang QLD 4211
P: (07) 55636535 | F: (07) 55636611
E: ross.j.poidevin@tmr.qld.gov.au
W: www.tmr.qld.gov.au

From: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>
Sent: Friday, 13 August 2021 12:21 PM
To: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Cc: David I Seth <David.I.Seth@tmr.qld.gov.au>
Subject: Escalation of Energex issue at substation - access and cable damage - Bielby Hull JV - Watland St to Sports Drive project (LOGAN RD SLACKS CREEK)
Importance: High

From: [redacted] personal <[redacted]@energex.com.au>

Sent: Friday, 13 August 2021 8:50 AM

To: Nicola M Boyd <Nicola.M.Boyd@tmr.qld.gov.au>

Subject: FW: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

Hi Nicola,

Hoping you can assist with this one. It seems there is a TMR contract action working outside the Energex North Springwood substation (Bielby Hull JV - Watland St to Sports Drive project). They have blocked off a driveway to the substation and have unfortunately dug up a cable yesterday.

The bottom email in this chain (from [redacted] NR) has some more info and it seems that there may be work going on within the Energex property boundary by the contractors.

I would expect Energex reps are discussing/managing the cable incident yesterday with the contractor directly. Can you please let me know who is managing this project on TMR's side or who we can discuss this with just to ensure the correct processes have occurred in this instance?

Thanks

[redacted] personal

From: [redacted] personal <[redacted]@energex.com.au>
Sent: Thursday, 12 August 2021 7:49 AM
To: [redacted] personal <[redacted]@energex.com.au>
Subject: FW: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

[redacted] personal

looks like they have dug up a cable yesterday.

INCD - 37896 - Road works contractor hit 11KV cable whilst excavating, Bielby Hull JV. Site contact [redacted] CTPI <[redacted]@bhjv.com.au>

[redacted] personal contacted ESO to advise.
Outside SSNSW Logan Rd Underwood

Cheers

[redacted] personal

From: [redacted] personal <[redacted]@energex.com.au>
Sent: Thursday, 24 June 2021 11:29 AM
To: [redacted] personal <[redacted]@energex.com.au>
Cc: Town Planning (Energex) <townplanning@energex.com.au>; [redacted] personal <[redacted]@energex.com.au>
Subject: RE: SSNSW - Restricted substation access - Lot 10740 on SL10203 at 3317-3319 LOGAN RD SLACKS CREEK

NR

From: [personal]@driveengineering.com.au>
Sent: Wednesday, 18 August 2021 1:48 PM
To: [personal]
Cc: [personal]
Subject: RE: Electrical Conflict with SW 1/5045

Categories: DMS

Hi [personal]

I've had a chat with [personal] following his catch up with Energex this morning. Energex confirmed they were unaware of this cable – it may be decommissioned/redundant, however at this point they can't be sure.

If they haven't already done so, could you please arrange for CV to test/trace the cable to determine if it is indeed "dead", or if it feeds something?

If we can confirm it is redundant, then happy to remove it.

Let me know if any issues.

Cheers [personal]



From: [personal]@bhjv.com.au>
Sent: Wednesday, 18 August 2021 12:38 PM
To: Michael Z Kavourakis <michael.z.kavourakis@tmr.qld.gov.au>
Cc: [personal]@bhjv.com.au>; [personal]@driveengineering.com.au>
Subject: FW: Electrical Conflict with SW 1/5045

Hi Michael,

Please see below and attached regarding a conflict between an existing (unknown) electrical service on Logan Road and a proposed road gully.

[personal] information he has discussed this one with you today and it may be a redundant Rate 3 cable?

If so, can you please confirm this and also confirm the proposed treatment?

Regards,

[personal]



From: [redacted] personal
Sent: Wednesday, 18 August 2021 8:44 AM
To: [redacted] personal <[redacted]@energyq.com.au>
Cc: [redacted] personal <[redacted]@bhjv.com.au>; [redacted] personal <[redacted]@bhjv.com.au>; [redacted] personal <[redacted]@bhjv.com.au>
Subject: Electrical Conflict with SW 1/5045

Hi [redacted] personal

Further to our discussions yesterday, and between [redacted] personal information from Energex last night, please see attached sketches showing the conflict area between an unknown electrical cable and road gully 1/5045. Can you please investigate if this conduit is still live? No design documentation or DBYD shows the cable so not sure of the possible treatment (remove or relocate).

Regards,

[redacted] personal



NR
www.bielby.com.au

ws2sd

From: [personal]@bielby.com.au>
Sent: Thursday, 19 August 2021 1:46 PM
To: [personal]
Cc: [personal] ws2sd
Subject: RE: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant
Attachments: FW: Prohibition Notices and Improvement Notices Close Out Request

Categories: DMS

Hi [personal]

I resent in civil pro, let me know if I didn't come through.

I can confirm the prohibition notice on this area was lifted on Friday 13/08/2021 (attached) and we were allowed to resume work in the area.

Thanks

[personal]

From: [personal]@driveengineering.com.au>
Sent: Tuesday, 17 August 2021 1:39 PM
To: [personal]@bhjv.com.au>
Cc: [personal]@bhjv.com.au>; [personal]@driveengineering.com.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: RE: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

Thank [personal]

I couldn't see the attached photo in the correspondence. Could you send this through if you have it.

Could you also confirm that this work was not breaching the prohibition notice for the previous Energy Strike?

Cheers

[personal]



From: [personal]@bhjv.com.au <No-Reply@bhjv.com.au>
Sent: Tuesday, 17 August 2021 1:35 PM
To: [personal]@driveengineering.com.au>; [personal]@driveengineering.com.au>
Cc: [personal]@bhjv.com.au>; [personal]@bhjv.com.au>
Subject: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

GENERAL CORRESPONDENCE (GEC)**DETAILS**

Title:	CN-11843 GEC-0021 Notice of Additional Public Utility Plant - Logan Road		
Contractor REF Number:	GEC-0021	Client REF Number:	
Raised By:	personal	Date Raised:	17/08/2021
Sent To:		Sent To Company:	Drive Engineering, Drive Engineering
Contract Number:	CN-11843		
Contract Name:	Wetland Street to Sports Drive		
Location:	Logan / Compton Road Intersection		
Discipline:		Sub-Discipline:	

Dear personal

Pursant to Clause 27.7.2 of the contract, while excavating to install drainage line 2/5045 to 1/5045 we have indentified an additoianl electrical service not shown in the PUP drawings or DBYD. Refer attahced photo and pan showing apporximate ocation of impacted service.

We are currently workign with Enregex to identify the extent and source of the cable and will advise of impacts in subsequent correspondence.

Should you have any queries with respect to the above, please do not hesitate to contact the undersigned.

Regards,

personal

Bielby Hull Joint Venture

ASSOCIATED DRAWINGS & CONTROLLED PROJECT DOCUMENTS

Drawing or Document Number	Description	Revision	Details:
----------------------------	-------------	----------	----------

OTHER RELATED ITEMS & ATTACHMENTS - Please refer to any Related Items, and attach any documents or photographs required as additional information

Related Lot ID/s	Description	Other Details
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Related Notice ID/s	Description	Other Details
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Related Variation ID/s	Description	Other Details
------------------------	-------------	---------------

Related Document ID/s	Description	Other Details
11371	613c9950-c08d-4c25-900a-2ac4e332e64b	
11372	Unexpected service #1	

Related Photo ID/s	Description	Other Details
--------------------	-------------	---------------

[CN LINK: GEC-0021](#)

From: [personal]@bielby.com.au>
Sent: Thursday, 19 August 2021 1:42 PM
To: [personal]
Subject: FW: Prohibition Notices and Improvement Notices Close Out Request
Attachments: image007.png

[personal]

Safety Manager
Pacific Motorway Upgrade (M1) – SD2GM / WS2SD



Mobile – [NR]
Email – [personal]@bielby.com.au
www.bielby.com.au

From: [personal information]@oir.qld.gov.au>
Sent: Friday, 13 August 2021 3:41 PM
To: [personal]@bielby.com.au>
Cc: [personal]@bhjv.com.au>; [personal]@bielby.com.au [personal information]
[personal information]@oir.qld.gov.au>
Subject: RE: Prohibition Notices and Improvement Notices Close Out Request

Thanks, [personal]

I can advise from the information that you have sent to me that you have provided sufficient information to demonstrate compliance with the three notices (2 x improvement and 1 x Prohibition)

Please ensure that you continue to monitor and review your systems to ensure ongoing compliance.

Should you have any questions, please do not hesitate to contact me.

Regards,



[personal information]
Principal Inspector – Construction Compliance and Field Services
Southwest / Logan / Gold Coast
Workplace Health and Safety Queensland
Office of Industrial Relations
Level 1, 91 Wembley Road, Woodridge QLD 4114
P.O. Box 829, Woodridge Qld 4114

T: 1300 362 128 M: [NR]



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- We value professionalism, integrity and accountability
- We will achieve our goals through team work and by showing respect

The most important reason for making your workplace safe, is not at work at all.
Work Safe. Home Safe.

From: [personal]@bielby.com.au>

Sent: Friday, 13 August 2021 3:21 PM

To: [personal information]@oir.qld.gov.au>

Cc: ([personal]@bhjv.com.au>; [personal]@bielby.com.au>; [personal information]@oir.qld.gov.au>

Subject: RE: Prohibition Notices and Improvement Notices Close Out Request

[personal information]

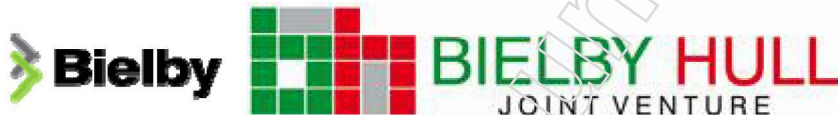
Please find evidence of closure attached in conjunction with responses below in red.

Thanks

[personal]

Safety Manager

Pacific Motorway Upgrade (M1) – SD2GM / WS2SD



Mobile – [NR]

Email – [personal]@bielby.com.au

www.bielby.com.au

From: [personal information]@oir.qld.gov.au>

Sent: Friday, 13 August 2021 9:12 AM

To: [personal]@bielby.com.au>

Cc: [personal]@bhjv.com.au>; [personal]@bielby.com.au>; [personal information]@oir.qld.gov.au>

Subject: RE: Prohibition Notices and Improvement Notices Close Out Request

Good Morning, [personal]

Thank you for the information you have provided.

In relation to compliance with the notices, I need the following information before I can consider if you are compliant with the notices:

What information do you obtain prior to excavation work in relation to underground essential services?

All information regarding details of underground essential services are located in the Permit to Excavate as per extract from Project Management Plan below. Permits are generated by the Site Engineers and approved by the SPE.

2.17 Excavations and Trenching

For excavations greater than 150mm depth and in accordance with *PRO22 High Risk Construction Work* the following is required:

- An assessment to ensure there is no potential to contact underground services and to determine appropriate support methods to prevent ground collapse

Where shoring systems are used these must be designed by a qualified engineer, and verified as correctly installed in accordance with the design

- An authorised excavation permit FRM-2009 Excavation and Ground Disturbance Permit prior to commencement of excavation work
- Daily inspections of excavations over 1.5 meters to be completed using the *FRM2032 Excavation and Trenching Inspection* form located in Dash pivot prior to work commencing in or near an excavation and following heavy rain
- Safe means of access for workers and mobile plant (i.e. designated ramps, steps, ladders), including a means of emergency egress
- Controls to prevent falls into excavations and falling objects, inclusive of barricading and signage; solid barricading must be used for excavations located within or adjacent to production plant or access ways

How is this information communicated to workers and sub-contractors? PMP is provided to all contractors, contractor SWMS are reviewed against the Subcontractor SWMS Review form attached. All SWMS are communicated to all workers containing all minimum requirements of the review process. In short the SWMS tells them to get the permit, the permit tells them where the services are. A SWMS is required for all activities.

What is the procedure for identification of these services, both prior to commencing any works and prior to commencing excavation work?

A Permit to Excavate is required as per the Excavation SWMS. All information regarding details of underground essential services are located in the Permit to Excavate as per extract from Project Management Plan below. Permits are generated by the Site Engineers (Permit Creator) and Responsible Supervisor (Permit requestor) and approved by the SPE (Permit Authoriser). The controls are then confirmed by the Permit Issuer and the Supervisor prior to workers being presented with the permit (this is a new system brought in on the day of the event, see example attached).

What systems are in place to maintain a safe work environment while excavations are occurring near underground essential services?

See table below and attached example of Excavation Focus Audit and Daily Excavation and trench Inspection.

2.7 Audits and Inspections

The following workplace inspections and audits shall be conducted in accordance with *MA003 Audits; MA009 Safety Behavioural Observations* and client specifications:

Process	Frequency	Responsibility	Purpose
Safety Behavioural Observations <i>FRM-2010</i>	1ea per Month	MD, ED, Corporate Systems Manager, Project, Construction/Site & Safety	<ul style="list-style-type: none">• Inspect work areas• Monitor compliance with mandatory critical risk controls

		Manager. Project Engineers Superintendents	<ul style="list-style-type: none"> Verify compliance with SWMS and BOP's
Workplace Inspection & Activity based Audits (FRM-2008 Focus Audits per Audit schedule)	Weekly	Project Engineers Construction Manger Safety Advisors / Manager Environmental Lead / Manager Quality Lead / Manager Superintendents / Supervisors	<ul style="list-style-type: none"> Confirm minimum Bielby and project standards are being met Provides the ability of increased focus across typical project life cycle areas of risk
Deep Excavation and Trenching Inspection FRM-2034	Daily	Supervisor OR Civil Project Engineer	<ul style="list-style-type: none"> Verify that applicable design and specific excavation controls remain intact prior to workers entering an excavation

Improvement Notice I2058062

What systems are in place to ensure that work is occurring in line with SWMS?

I can see there is a proposed daily pre start which reinforces compliance with SWMS, but what else is occurring i.e. site inspections, audits of work in accordance with work procedures including SWMS, SWMS reviews to ensure controls are adequate.

As above see sample of SWMS Focus Audit attached and Safety Behaviour Observation

Improvement Notice I2058063

What systems are in place to ensure information relating to the location of essential underground services is communicated to the workers or sub-contractors who are performing work in areas where there are identified essential underground services?

Are there briefings, pre starts, permits to work, communication with Sub-Contractors? How is this information being delivered and how are you monitoring that the way the information is being delivered is effective?

personal information believe this has been demonstrated through the actions for the Prohibition notice above.

Until you provide the above information, I will be unable to consider compliance.

Regards,



personal information
personal information

Principal Inspector – Construction Compliance and Field Services
Southwest / Logan / Gold Coast
Workplace Health and Safety Queensland
Office of Industrial Relations
Level 1, 91 Wembley Road, Woodridge QLD 4114
P.O. Box 829, Woodridge Qld 4114

T: 1300 362 128 M: NR



Compliance and Field Services

- We are committed to achieving regulatory excellence
- We value professionalism, integrity and accountability
- We will achieve our goals through team work and by showing respect

The most important reason for making your workplace safe, is not at work at all.
Work Safe. Home Safe.

From: [personal]@bielby.com.au>

Sent: Thursday, 12 August 2021 3:58 PM

To: [personal information]@oir.qld.gov.au>

Cc: [personal]@bhjv.com.au>; [personal]@bielby.com.au> [personal information]
[personal information]@oir.qld.gov.au>

Subject: RE: Prohibition Notices and Improvement Notices Close Out Request

[personal information]

Please find attached tomorrow mornings Daily Brief that is communicated site wide across several work areas. Below is the main body of tomorrow's brief discussing the three notices and the key learnings attached to the two improvement notices. In conjunction all excavation activities were suspended site wide today until all SWMS, Permits and controls were checked in each and every excavation, a total of 9 Focus Audits as seen below in table.

Events from Previous Shift Level 5 High Potential Risk of Fatality Service Strike - High Voltage Strike Following investigation of a notifiable Dangerous Occurrence three notices have been issued to the project and two fines amounting to \$5000.00

- 1- **Prohibition Notice of Excavation area**
- 2- **Improvement Notice for not following SWMS**
- 3- **Improvement Notice for not communicating the location of underground services to a worker**

Key Learnings

All SMWS pertaining to your task must be read, understood and signed onto. You must always follow the contents of the SWMS you have signed onto, that is why you sign, it's a formal agreement. All direct personnel for example BHJV Labour Hire, direct contractors such as a combo must sign onto BHJV SWMS as they are under our immediate instruction.

The BHJV project team and in particular Supervisors have an obligation to insure that effective communication of all hazards is documented and demonstrated. In the case of this event we did not fulfil our obligation to communicate effectively the location of HV power in an area where the operator was going to excavate. This could have resulted in a fatality for the operator and or surrounding personnel.

Focus Audit - Excavations						Workflow	Register
<input type="checkbox"/>	Project Details	Focus Audit Date	Work Area	Contractor who is the subject of the Focus A...	Person completing the Focus Au...		
<input type="checkbox"/>	WS2SD	Aug 12, 2021	Gate 14	Bielby	CTPI		
<input type="checkbox"/>	WS2SD	Aug 12, 2021	Gate 12 RW 15	Retaining Solutions			
<input type="checkbox"/>	WS2SD	Aug 12, 2021	L8 Carpark to Moss Street	Bielby			
<input type="checkbox"/>	WS2SD	Aug 12, 2021	GATE 8 Logan off ramp	Bielby			
<input type="checkbox"/>	WS2SD	Aug 12, 2021	Gate L4	Bielby			
<input type="checkbox"/>	WS2SD	Aug 12, 2021	Gate L3	Bielby			
<input type="checkbox"/>	WS2SD	Aug 12, 2021	Gate L1 Butway cut	Bielby			
<input type="checkbox"/>	WS2SD	Aug 11, 2021	Gate 11	JR Earthmoving			
<input type="checkbox"/>	WS2SD	Aug 11, 2021	Logan off ramp Gate 8	Bielby			

Can you please provide feedback if will suffice in closing out the two improvement notices and prohibition notice?

personal

Safety Manager
Pacific Motorway Upgrade (M1) – SD2GM / WS2SD



Mobile – NR
Email – @bielby.com.au
www.bielby.com.au

From: personal information @oir.qld.gov.au>
Sent: Thursday, 12 August 2021 2:23 PM
To: personal @bielby.com.au>; personal @bielby.com.au>
Cc: personal hjv.com.au>; personal @bielby.com.au>; personal @bielby.com.au>; personal information @oir.qld.gov.au>
Subject: Prohibition Notice

Good Afternoon, personal

As discussed, please find attached Prohibition Notice following up the verbal notice issued on site yesterday at 2105.

Please ensure before work recommences that suitable controls are in place to manage the risk. Non-compliance with this notice may result in a penalty being incurred.

Please advise when control measure are implemented so that a site inspection can be arranged.

Please be aware that you may request an internal review of this notice, details of this process are available [here](#).

Please ensure that as soon as possible that the notice is **displayed in a prominent place at or near the workplace, or part of the workplace at which the work is being carried out that is affected by the notice.**

Please be aware that you must comply with the notice.

If you require any assistance or further information please don't hesitate to contact me.

Regards,

 personal information
Principal Inspector – Construction Compliance and Field Services
Southwest / Logan / Gold Coast
Workplace Health and Safety Queensland
Office of Industrial Relations
Level 1, 91 Wembley Road, Woodridge QLD 4114
P.O. Box 829, Woodridge Qld 4114

T: 1300 362 128 M: NR



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This email (including any attached files) is intended only for the addressee and may contain confidential information. If you are not the addressee, you are notified that any transmission, distribution, printing or photocopying of this email is strictly prohibited. If you have received this email in error, please immediately notify the Office of Industrial Relations and delete any copies. Unless explicitly attributed, the opinions expressed do not necessarily represent the official position of the Office of Industrial Relations. The Office of Industrial Relations does not accept any responsibility for any loss or damage that may result from reliance on, or the use of, any information contained in this email and/or attachments. It is your responsibility to ensure that this email and any attachments do not contain and are not affected by computer viruses or defects as this message is transmitted over Internet.

ws2sd

From: [personal]@driveengineering.com.au>
Sent: Thursday, 19 August 2021 1:50 PM
To: Matthew X Kelly
Cc: Ross J Poidevin; ws2sd; [personal]
Subject: FW: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant
Attachments: FW: Prohibition Notices and Improvement Notices Close Out Request

Importance: High

Categories: DMS

Hi Matt

Following on from our conversation, BHJV have confirmed that the prohibition notice has been lifted as of 13 August 2021 (see attached).

Cheers

[personal]



From: [personal]@bielby.com.au>
Sent: Thursday, 19 August 2021 1:46 PM
To: [personal]@driveengineering.com.au>; [personal]@bhjv.com.au>
Cc: [personal]@bhjv.com.au>; [personal]@driveengineering.com.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: RE: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

Hi [personal]

I resent in civil pro, let me know if I didn't come through.

I can confirm the prohibition notice on this area was lifted on Friday 13/08/2021 (attached) and we were allowed to resume work in the area.

Thanks

[personal]

From: [personal]@driveengineering.com.au>
Sent: Tuesday, 17 August 2021 1:39 PM
To: [personal]@bhjv.com.au>

Cc: [personal]@bhjv.com.au; [personal]@driveengineering.com.au; ws2sd <ws2sd@tmr.qld.gov.au>

Subject: RE: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

Thanks [personal]

I couldn't see the attached photo in the correspondence. Could you send this through if you have it.

Could you also confirm that this work was not breaching the prohibition notice for the previous Energex Strike?

Cheers

[personal]



From: [personal]@bhjv.com.au <No-Reply@bhjv.com.au>

Sent: Tuesday, 17 August 2021 1:35 PM

To: [personal]@driveengineering.com.au; [personal]@driveengineering.com.au

Cc: [personal]@bhjv.com.au; [personal]@bhjv.com.au

Subject: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

GENERAL CORRESPONDENCE (GEC)

DETAILS			
Title:	CN-11843 GEC-0021 Notice of Additional Public Utility Plant - Logan Road		
Contractor REF Number:	GEC-0021	Client REF Number:	
Raised By:	[personal]	Date Raised:	17/08/2021
Sent To:		Sent To Company:	Drive Engineering, Drive Engineering
Contract Number:	CN-11843		
Contract Name:	Watland Street to Sports Drive		
Location:	Logan /Compton Road Intersection		
Discipline:		Sub-Discipline:	

Dear [personal]

Pursant to Clause 27.7.2 of the contract, while excavating to install drainage line 2/5045 to 1/5045 we have indentified an additoianl electrical service not shown in the PUP drawings or DBYD. Refer attached photo and pan showing apporximate ocation of impacted service.

We are currently workign with Enregex to identify the extent and source of the cable and will advise of impacts in subsequent correspondence.

Should you have any queries with respect to the above, please do not hesitate to contact the undersigned.

Regards,

[personal]

Bielby Hull Joint Venture

ASSOCIATED DRAWINGS & CONTROLLED PROJECT DOCUMENTS

Drawing or Document Number	Description	Revision	Details:
----------------------------	-------------	----------	----------

OTHER RELATED ITEMS & ATTACHMENTS - Please refer to any Related Items, and attach any documents or photographs required as additional information

Related Lot ID/s	Description	Other Details
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Related Notice ID/s	Description	Other Details
---------------------	-------------	---------------

Related Variation ID/s	Description	Other Details
------------------------	-------------	---------------

Related Document ID/s	Description	Other Details
11371	613c9950-c08d-4c25-900a-dac4e332e64b	
11372	Unexpected service #1	

Related Photo ID/s	Description	Other Details
--------------------	-------------	---------------

[CN LINK: GEC-0021](#)

From: [personal]@bielby.com.au>
Sent: Thursday, 19 August 2021 1:42 PM
To: [personal]
Subject: FW: Prohibition Notices and Improvement Notices Close Out Request
Attachments: image007.png

[personal]

Safety Manager
Pacific Motorway Upgrade (M1) – SD2GM / WS2SD



Mobile – NR
Email – [personal]@bielby.com.au
www.bielby.com.au

From: [personal information]@oir.qld.gov.au>
Sent: Friday, 13 August 2021 3:41 PM
To: [personal]@bielby.com.au>
Cc: [personal]@bhjv.com.au>; [personal]@bielby.com.au>; [personal information]
[personal information]@oir.qld.gov.au>
Subject: RE: Prohibition Notices and Improvement Notices Close Out Request

Thanks, [personal]

I can advise from the information that you have sent to me that you have provided sufficient information to demonstrate compliance with the three notices (2 x improvement and 1 x Prohibition)

Please ensure that you continue to monitor and review your systems to ensure ongoing compliance.

Should you have any questions, please do not hesitate to contact me.

Regards,



[personal information]
Principal Inspector – Construction Compliance and Field Services
Southwest / Logan / Gold Coast
Workplace Health and Safety Queensland
Office of Industrial Relations
Level 1, 91 Wembley Road, Woodridge QLD 4114
P.O. Box 829, Woodridge Qld 4114

T: 1300 362 128 M: [NR]



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From: [personal] <[personal]@bielby.com.au>

Sent: Friday, 13 August 2021 3:21 PM

To: [personal information] <[personal information]@oir.qld.gov.au>

Cc: [personal] <[personal]@bhjv.com.au>; [personal] <[personal]@bielby.com.au>; [personal information] <[personal information]@oir.qld.gov.au>

Subject: RE: Prohibition Notices and Improvement Notices Close Out Request

[personal information]

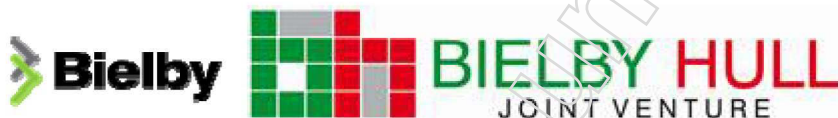
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[personal]

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Pacific Motorway Upgrade (M1) – SD2GM / WS2SD



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Cc: [personal] <[personal]@bhjv.com.au>; [personal] <[personal]@bielby.com.au>; [personal information] <[personal information]@oir.qld.gov.au>

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Good Morning, [personal]

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- An authorised excavation permit FRM-2009 Excavation and Ground Disturbance Permit prior to commencement of excavation work
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See table below and attached example of Excavation Focus Audit and Daily Excavation and trench Inspection.

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Improvement Notice I2058062

What systems are in place to ensure that work is occurring in line with SWMS?

I can see there is a proposed daily pre start which reinforces compliance with SWMS, but what else is occurring i.e. site inspections, audits of work in accordance with work procedures including SWMS, SWMS reviews to ensure controls are adequate.

As above see sample of SWMS Focus Audit attached and Safety Behaviour Observation

Improvement Notice I2058063

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personal information

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Cc: [personal] <[redacted]@bhjv.com.au>; [personal] <[redacted]@bielby.com.au>; [personal information] <[redacted]@oir.qld.gov.au>
Subject: RE: Prohibition Notices and Improvement Notices Close Out Request

[personal information]

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- 1- **Prohibition Notice of Excavation area**
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- 3- **Improvement Notice for not communicating the location of underground services to a worker**

Key Learnings

All SMWS pertaining to your task must be read, understood and signed onto. You must always follow the contents of the SWMS you have signed onto, that is why you sign, it's a formal agreement. All direct personnel for example BHJV Labour Hire, direct contractors such as a combo must sign onto BHJV SWMS as they are under our immediate instruction.

The BHJV project team and in particular Supervisors have an obligation to insure that effective communication of all hazards is documented and demonstrated. In the case of this event we did not fulfil our obligation to communicate effectively the location of HV power in an area where the operator was going to excavate. This could have resulted in a fatality for the operator and or surrounding personnel.

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<input type="checkbox"/>	Project Details	Focus Audit Date	Work Area	Contractor who is the subject of the Focus A...	Person completing the Focus Au...		
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<input type="checkbox"/>	WS2SD	Aug 12, 2021	Gate L4	Bielby			
<input type="checkbox"/>	WS2SD	Aug 12, 2021	Gate L3	Bielby			
<input type="checkbox"/>	WS2SD	Aug 12, 2021	Gate L1 Butway cut	Bielby			
<input type="checkbox"/>	WS2SD	Aug 11, 2021	Gate 11	JR Earthmoving			
<input type="checkbox"/>	WS2SD	Aug 11, 2021	Logan off ramp Gate 8	Bielby			

Can you please provide feedback if will suffice in closing out the two improvement notices and prohibition notice?

personal

Safety Manager
Pacific Motorway Upgrade (M1) – SD2GM / WS2SD



Mobile – NR

Email – personal@bielby.com.au

www.bielby.com.au

From: personal information@oir.qld.gov.au>

Sent: Thursday, 12 August 2021 2:23 PM

To: personal@bielby.com.au>; personal@bielby.com.au>

Cc: personal@hiv.com.au>; personal@bielby.com.au>; personal@bielby.com.au>; personal information@oir.qld.gov.au>

Subject: Prohibition Notice

Good Afternoon, personal

As discussed, please find attached Prohibition Notice following up the verbal notice issued on site yesterday at 2105.

Please ensure before work recommences that suitable controls are in place to manage the risk. Non-compliance with this notice may result in a penalty being incurred.

Please advise when control measure are implemented so that a site inspection can be arranged.

Please be aware that you may request an internal review of this notice, details of this process are available [here](#).

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If you require any assistance or further information please don't hesitate to contact me.

Regards,

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P.O. Box 829, Woodridge Qld 4114

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Matthew X Kelly

From: Michael Z Kavourakis
Sent: Thursday, 19 August 2021 10:27 AM
To: [personal]
Cc: [personal] Matthew X Kelly; Ross J Poidevin; [personal]
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Categories: Orange Category

Hi [personal]

Answers to the queries below in [blue](#).

Based on these responses, what chance do you think we are of getting a resolution today?

Thanks

Michael

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
M: [NR]
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
www.tmr.qld.gov.au

Crossing at
traffic lights?



Don't touch the button,
elbow bump it instead!



Crossing at traffic lights? Don't touch the button, elbow bump it instead!

From: [personal]@energyq.com.au>
Sent: Thursday, 19 August 2021 9:50 AM
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Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
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Hi Michael,

Can I just confirm a few things please?

1. TMR are raising road levels not reducing them? – [correct](#)
2. The area in discussion was previously a road way, ie not previously footpath, now road – [the new slip lane is partially over exiting carriageway and partially over existing verge](#)
3. What is the AC/ pavement depth? – [the total pavement depth is 630 mm \(this comprises of 2 x 50 mm layers of asphalt, 1 x 180 mm layer of asphalt and 350 mm of gravel\)](#)
4. IS this the area where the 11kV cable was hit and repaired by Energex or the area where the unidentified conduit was hit? – [this is where the 11kV cable was struck](#)

Thanks

[personal]

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Wednesday, 18 August 2021 9:39 AM
To: [REDACTED] personal <[REDACTED]@energyq.com.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [REDACTED] personal

Thanks very much for the chat.

As you're aware and as discussed, there are a number of emails flying around regarding the 11kV Energex conduits / cables which were struck beneath the Logan Road / Compton Road left-turn slip lane – adjacent to the existing substation.

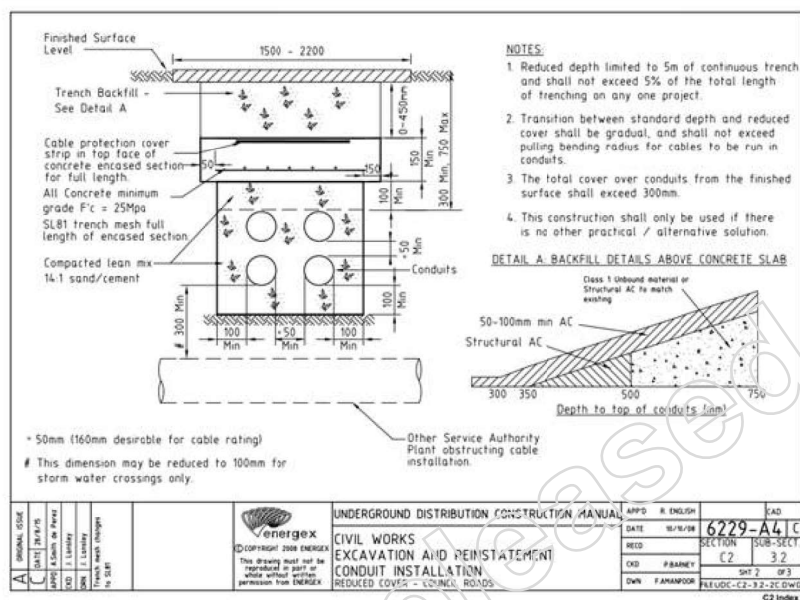
Jacobs have prepared the attached long section, which shows the ultimate residual cover for the full length of the Energex alignment beneath Compton Road – and have clouded the area where the ultimate residual cover was 'on the cusp' of Energex's minimum cover requirements under a Logan City Council road.

You'll note that the minimum cover will ultimately be 737 mm, quickly increasing on either side to >800mm.

We're hoping you're able to help us out by having some discussions internally (by [REDACTED] personal information or others), to determine the most appropriate course of action.

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1. Construct a concrete protection slab in accordance with the Energex standard detail below, for full width of the slip lane (approximately 11 m)
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3. Construct the pavement box immediately above the existing conduits (approximately 750 mm deep) installing the hard cover strip only, without the concrete protection slab



If you could please confirm which of the above options is the most acceptable to Energex, TMR will direct BHJV asap to resolve / finalise the issue.

Feel free to give me a call if you have any questions or require additional information.

Kind regards

Michael

Michael Kavourakis

M1 North Project | Eight Mile Plains Office

Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

PO Box 442 | Nerang QLD 4211

M: [REDACTED]

P: 5563 6437

Michael.z.kavourakis@tmr.qld.gov.au

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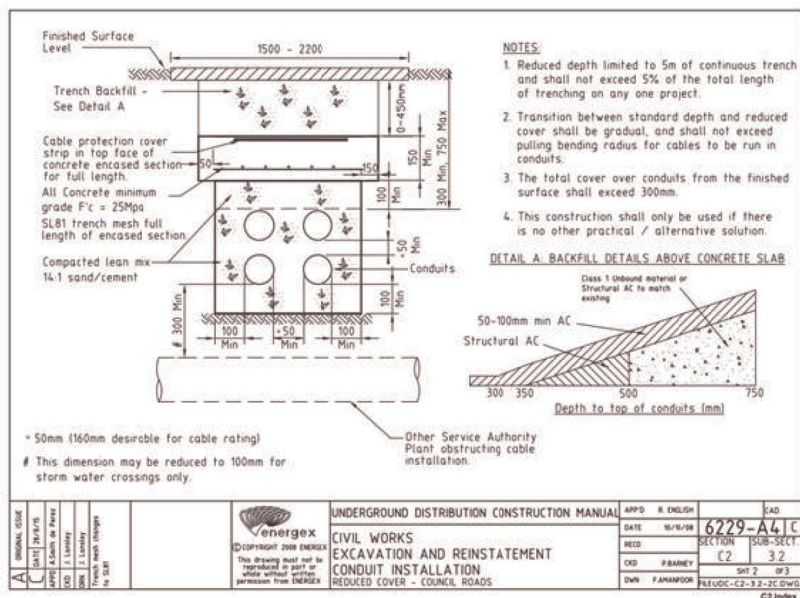
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Feel free to give me a call if you have any questions or require additional information.

Kind regards

Michael

Michael Kavourakis

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Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

P.O. Box 442 | Nerang QLD 4211

M: NR

P: 5563 6437

Michael.z.kavourakis@tmr.qld.gov.au

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Matthew X Kelly

From: Matthew X Kelly
Sent: Thursday, 19 August 2021 3:30 PM
To: Ross J Poidevin
Subject: Logan/Compton Energex Service Strike

Hi Ross,

As discussed, the status on the Logan/Compton 11kV service strike on the WS2SD project is as follows:

- On Wednesday 11 August at approximately 4:00pm a skid steer with trenching attachment came in contact with and damaged a live 11kV high voltage underground Energex line. BHJV were undertaking subsoil drainage trenching at the time. There were no resulting injuries to personnel. WHSQ attended the site and issued one prohibition notice and two improvement notices relating to the incident.
- The strike resulted in a power outage to the surrounding area and subsequent repair works by Energex
- The service was known and well defined in the TMR contract documents and DBYD data. BHJV have claimed to have potholed, surveyed and marked the service on site. At a point in time, the markers identifying the service appear to have been removed while construction continued.
- BHJV have shared the draft of their safety investigation report with TMR (not yet finalised). The root cause of the incident appears to be that BHJV procedures were not followed:
 - The BHJV excavation permit procedure required the service be potholed and positively identified. There was no marker on site clearly identifying the service while the skid steer was trenching.
 - CTPI
 - The BHJV supervisor has advised that he had assumed the skid steer operator had signed onto the SWMS and permit to excavate at prestart.
- BHJV have provided details of their Permit to Excavate, SWMS and Audit/Inspections processes to WHSQ. They have also prepared a key learnings brief in response to the incident and communicated the learnings site wide. Nine focus safety audits were undertaken site wide to double check that controls in all areas are appropriate. WHSQ have confirmed that BHJV have provided sufficient evidence to demonstrate compliance with the three notices issued and have allowed works to proceed on the condition that BHJV continue to monitor and review systems to ensure ongoing compliance.
- TMR and BHJV had a lengthy discussion about the incident at the CLT on Wednesday 18/8/21. The following areas were discussed and are being worked through:
 - Finalisation of the investigation report is outstanding.
 - A HR process relating to the individuals involved in the incident is being worked through with further interviews being conducted.
 - The need for BHJV to ensure services are "continuously identified" rather than just being positively identified once at the commencement of works.
 - Safety systems and procedures must be followed on the site with no exceptions.
 - TMR asked that the excavation permit system be looked at by BHJV to ensure it is as user friendly as possible for workers on the site (while still containing appropriate information).
- Energex have undertaken a repair on the service. There is now an ongoing technical discussion between the TMR project team and Energex on treatment of the service given the location of the new joint at the repair location.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandt Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

Matthew X Kelly

From: Matthew X Kelly
Sent: Thursday, 19 August 2021 1:51 PM
To: [personal]
Cc: Ross J Poidevin; [personal]
Subject: RE: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

Thanks [personal]

From: [personal]@driveengineering.com.au>
Sent: Thursday, 19 August 2021 1:50 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Cc: Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au> [personal]@driveengineering.com.au>
Subject: FW: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant
Importance: High

Hi Matt

Following on from our conversation, BHHV have confirmed that the prohibition notice has been lifted as of 13 August 2021 (see attached).

Cheers

[personal]



From: [personal]@bielby.com.au>
Sent: Thursday, 19 August 2021 1:46 PM
To: [personal]@driveengineering.com.au>; [personal]@bhjv.com.au>
Cc: [personal]@bhjv.com.au>; [personal]@driveengineering.com.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: RE: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

[personal]

I resent in civil pro, let me know if i didn't come through.

I can confirm the prohibition notice on this area was lifted on Friday 13/08/2021 (attached) and we were allowed to resume work in the area.

Thanks

[personal]

From: [personal information@driveengineering.com.au](#)
Sent: Tuesday, 17 August 2021 1:39 PM
To: [personal information@bhjv.com.au](#)
Cc: [personal information@bhjv.com.au](#); [personal information@driveengineering.com.au](#); ws2sd <[ws2sd@tmr.qld.gov.au](#)>
Subject: RE: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

Thank [personal information](#)

I couldn't see the attached photo in the correspondence. Could you send this through if you have it.

Could you also confirm that this work was not breaching the prohibition notice for the previous Energex Strike?

Cheers

[personal information](#)
personal information



From: [personal@bhjv.com.au](#) <[No-Reply@bhjv.com.au](#)>
Sent: Tuesday, 17 August 2021 1:35 PM
To: [personal@driveengineering.com.au](#); [personal@driveengineering.com.au](#)
Cc: [personal@bhjv.com.au](#); [personal@bhjv.com.au](#)
Subject: CN-11843 | GEC-0021 | Notice of Additional Public Utility Plant

GENERAL CORRESPONDENCE (GEC)

DETAILS			
Title:	CN-11843 GEC-0021 Notice of Additional Public Utility Plant - Logan Road		
Contractor REF Number:	GEC-0021	Client REF Number:	
Raised By:	personal	Date Raised:	17/08/2021
Sent To:	personal	Sent To Company:	Drive Engineering, Drive Engineering
Contract Number:	CN-11843		
Contract Name:	Watland Street to Sports Drive		
Location:	Logan / Compton Road Intersection		
Discipline:		Sub-Discipline:	

Dear [personal](#)

Pursant to Clause 27.7.2 of the contract, while excavating to install drainage line 2/5045 to 1/5045 we have indentified an additoianl electrical service not shown in the PUP drawings or DBYD. Refer attached photo and pan showing apporximate location of impacted service.

We are currently workign with Enregex to identify the extent and source of the cable and will advise of impacts in subsequent correspondence.

Should you have any queries with respect to the above, please do not hesitate to contact the undersigned.

Regards,
personal

Bielby Hull Joint Venture

ASSOCIATED DRAWINGS & CONTROLLED PROJECT DOCUMENTS

Drawing or Document Number	Description	Revision	Details:
----------------------------	-------------	----------	----------

OTHER RELATED ITEMS & ATTACHMENTS - Please refer to any Related Items, and attach any documents or photographs required as additional information

Related Lot ID/s	Description	Other Details
------------------	-------------	---------------

Related Notice ID/s	Description	Other Details
---------------------	-------------	---------------

Related Variation ID/s	Description	Other Details
------------------------	-------------	---------------

Related Document ID/s	Description	Other Details
11371	613c9950-c08d-4c25-900a-dac4e332e64b	
11372	Unexpected service #1	

Related Photo ID/s	Description	Other Details
--------------------	-------------	---------------

[CN LINK: GEC-0021](#)

ws2sd

From: [personal]@driveengineering.com.au>
Sent: Friday, 20 August 2021 8:44 AM
To: Matthew X Kelly
Cc: ws2sd; [personal] Michael Z Kavourakis
Subject: FW: Location of Subsoil drain clash with HV service
Attachments: LS.0206-0089 ENERGEX HV CONDUIT STRIKE.pdf

Importance: High

Categories: DMS

Het Matt

As discussed, BHJV have provided the attached plot showing the location of the joint required for the 11KV repair.

You can see that the location is directly under the kerb, which can be easily reached in future without digging up the pavement, if access is required.

Hope this helps. Let me know if you need more info.

Cheers

[personal]



From: [personal]@bielby.com.au>
Sent: Friday, 20 August 2021 7:09 AM
To: [personal]@driveengineering.com.au>
Cc: [personal]@bhjv.com.au>
Subject: RE: Location of Subsoil drain clash with HV service

Hi [personal]

A cleaner copy of the scan file attached now

From: [personal]
Sent: Thursday, 19 August 2021 4:53 PM
To: [personal]@driveengineering.com.au>
Subject: Location of Subsoil drain clash with HV service

Hi [personal]

As discussed, please find attached plot showing location of incident where the subsoil trench has clashed with the Energex 11kv power cable.

thanks

personal

Construction Manager



| MNR
www.bielby.com.au

Released under RTI - DTMR

Released under RTI - DTMR

Matthew X Kelly

From: Michael Z Kavourakis
Sent: Monday, 23 August 2021 8:00 AM
To: personal
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Categories: Orange Category

No worries mate.

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

P.O. Box 442 | Nerang QLD 4211

M: NR

P: 5563 6437

Michael.z.kavourakis@tmr.qld.gov.au

www.tmr.qld.gov.au

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elbow bump it instead!



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From: personal@energyq.com.au
Sent: Monday, 23 August 2021 7:37 AM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Still awaiting a response sorry Kav. Our standards department are now involved...

Thanks

personal

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Sent: Thursday, 19 August 2021 10:27 AM
To: personal@energyq.com.au
Cc: personal@driveengineering.com.au; Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; personal personal@driveengineering.com.au
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

personal

Answers to the queries below in blue.

Based on these responses, what chance do you think we are of getting a resolution today?

Thanks

Michael

Michael Kavourakis

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Program Delivery and Operations | Department of Transport and Main Roads

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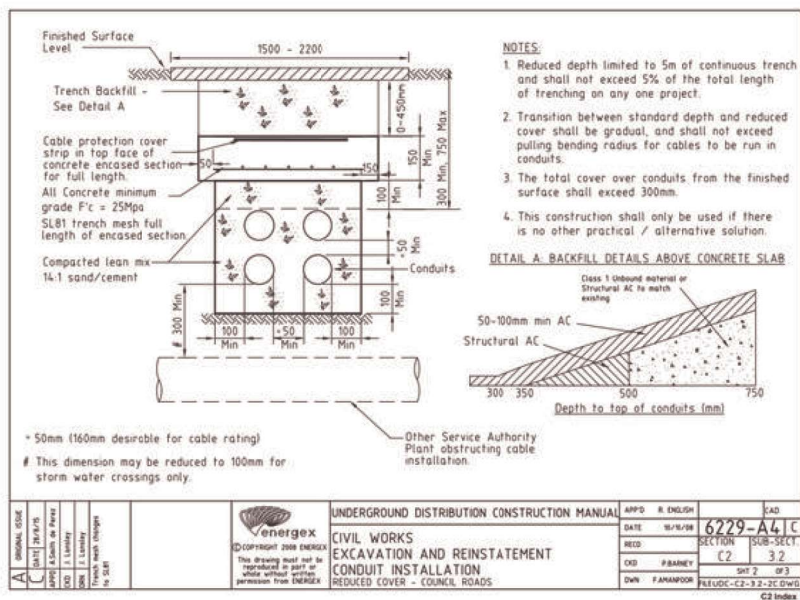
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P: 5563 6437

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Matthew X Kelly

From: [redacted]@energyq.com.au
Sent: Monday, 23 August 2021 7:37 AM
To: Michael Z Kavourakis
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Categories: Orange Category

Still awaiting a response sorry Kav. Our standards department are now involved...

Thanks

[redacted]

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Thursday, 19 August 2021 10:27 AM
To: [redacted]@energyq.com.au
Cc: [redacted]@driveengineering.com.au; Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; [redacted]@driveengineering.com.au
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [redacted]

Answers to the queries below in blue.

Based on these responses, what chance do you think we are of getting a resolution today?

Thanks

Michael

Michael Kavourakis

M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

PO Box 442 | Nerang QLD 4211

M: [redacted]

P: 5563 6437

Michael.z.kavourakis@tmr.qld.gov.au

www.tmr.qld.gov.au

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traffic lights?



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4. IS this the area where the 11kV cable was hit and repaired by Energex or the area where the unidentified conduit was hit? – this is where the 11kV cable was struck

Thanks

personal

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>

Sent: Wednesday, 18 August 2021 9:39 AM

To: personal <personal@energex.com.au>

Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>

Subject: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

personal

Thanks very much for the chat.

As you're aware and as discussed, there are a number of emails flying around regarding the 11kV Energex conduits / cables which were struck beneath the Logan Road / Compton Road left-turn slip lane – adjacent to the existing substation.

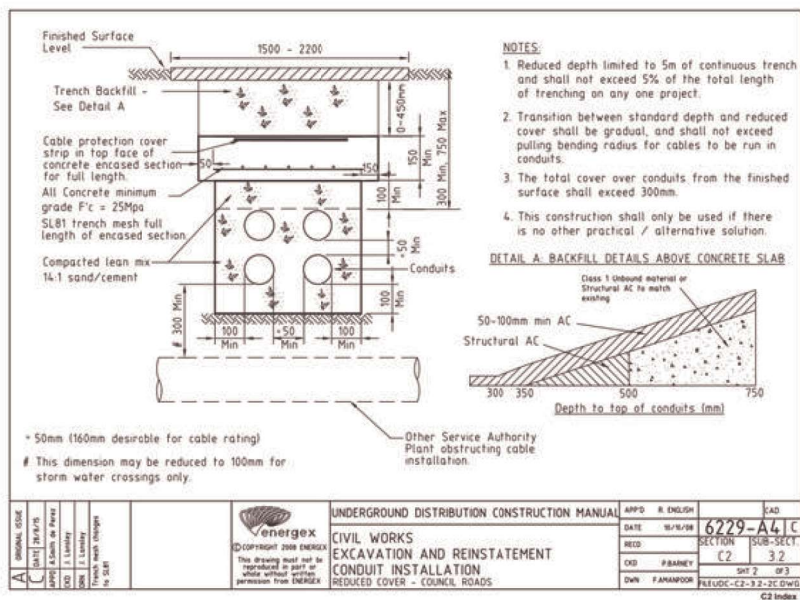
Jacobs have prepared the attached long section, which shows the ultimate residual cover for the full length of the Energex alignment beneath Compton Road – and have clouded the area where the ultimate residual cover was 'on the cusp' of Energex's minimum cover requirements under a Logan City Council road.

You'll note that the minimum cover will ultimately be 737 mm, quickly increasing on either side to >800mm.

We're hoping you're able to help us out by having some discussions internally (with ~~internal information~~ others), to determine the most appropriate course of action.

Based on our discussion, TMR and BHJV would be happy to proceed with any of the following options:

1. Construct a concrete protection slab in accordance with the Energex standard detail below, for full width of the slip lane (approximately 11 m)
2. Construct a concrete protection slab in accordance with the Energex standard detail below, for the shallowest 5 m section
3. Construct the pavement box immediately above the existing conduits (approximately 750 mm deep) installing the hard cover strip only, without the concrete protection slab



If you could please confirm which of the above options is the most acceptable to Energex, TMR will direct BHJV asap to resolve / finalise the issue.

Feel free to give me a call if you have any questions or require additional information.

Kind regards

Michael

Michael Kavourakis

M1 North Project | Eight Mile Plains Office

Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

P.O. Box 442 | Nerang QLD 4211

M: 0422 22 22 22

P: 5563 6437

Michael.z.kavourakis@tmr.qld.gov.au

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Matthew X Kelly

From: Michael Z Kavourakis
Sent: Tuesday, 24 August 2021 4:37 PM
To: personal
Cc: Matthew X Kelly
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment
Attachments: Energex Standard Drawing - Protection Slab.pdf; 24012A4.3-JEG-1PU10-SKT-9002_01.pdf

Categories: Orange Category

Hi personal

Thanks again for sending through the detail below.

As discussed earlier, to mitigate the risk of any ongoing delay to TMR's contractor proceeding with the pavement construction activities at Compton Road – we are proposing to install the protection slab detail in accordance with Energex Standard Drawing 6229-A4 C2-3.2 (attached PDF version and excerpt below) – in anticipation of the decision from Energex's standards team.

Based upon the attached long section, and Note 2 on the standard drawing – can you foresee any issues with TMR's proposed approach to install the protection slab detail for the extent between CH. 48.000 and 54.000 only?

Feel free to give me a call to discuss if required.

Thanks

Michael

Michael Kavourakis

M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211

M: NR
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
www.tmr.qld.gov.au

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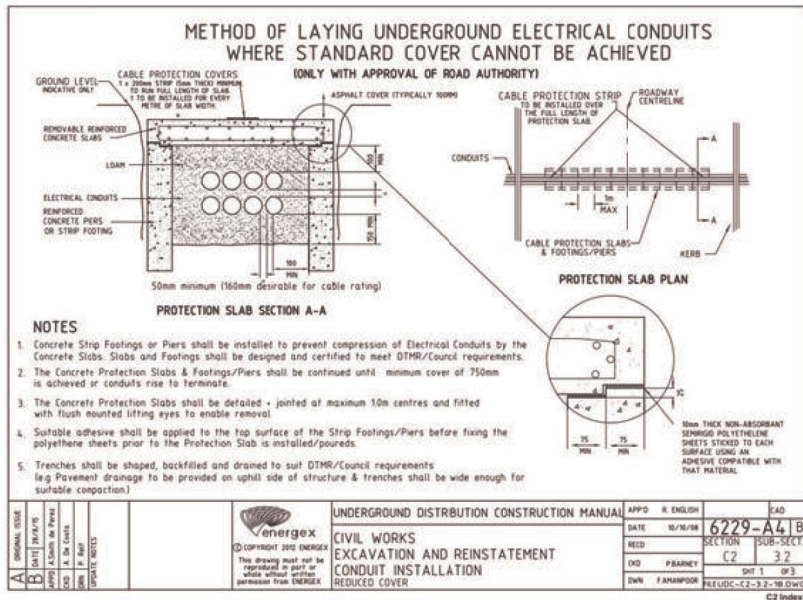
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FYI, there is another probably more applicable shallow conduit drawing from our manual in which I think (if any) will be approved for this application. The one we previously used is more for avoiding obstacles such as sewer main and should only be used for 5m max. The one in this email is more for trucks running over conduits due to road boxing etc



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Sent: Monday, 23 August 2021 8:00 AM
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Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

No worries mate.

Michael Kavourakis
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Program Delivery and Operations | Department of Transport and Main Roads

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personal information
Michael

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
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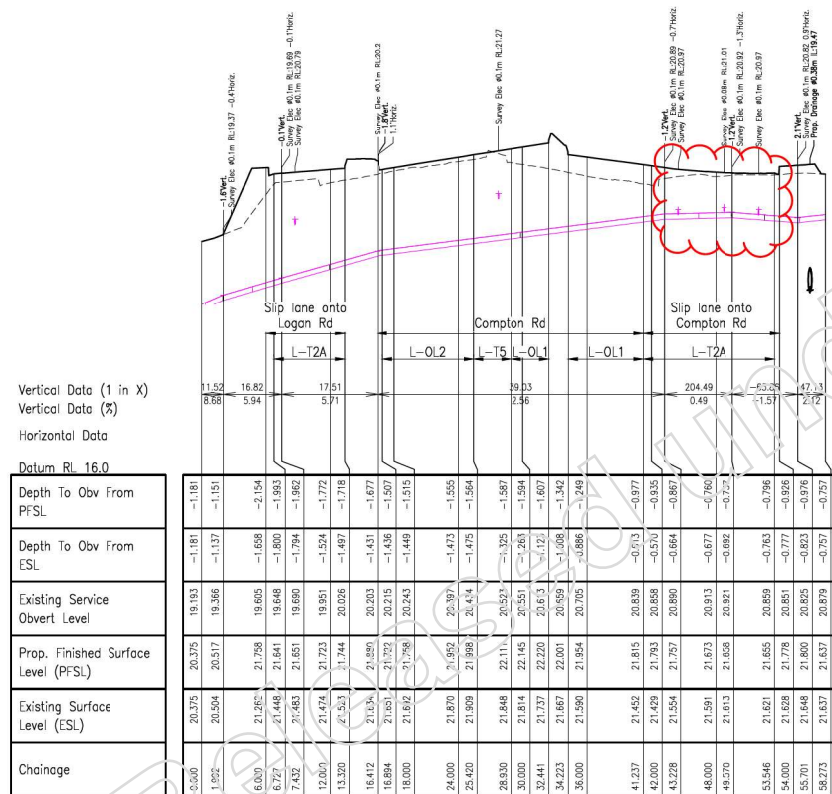
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Longitudinal Section - Energex - E-13 - 6xP100

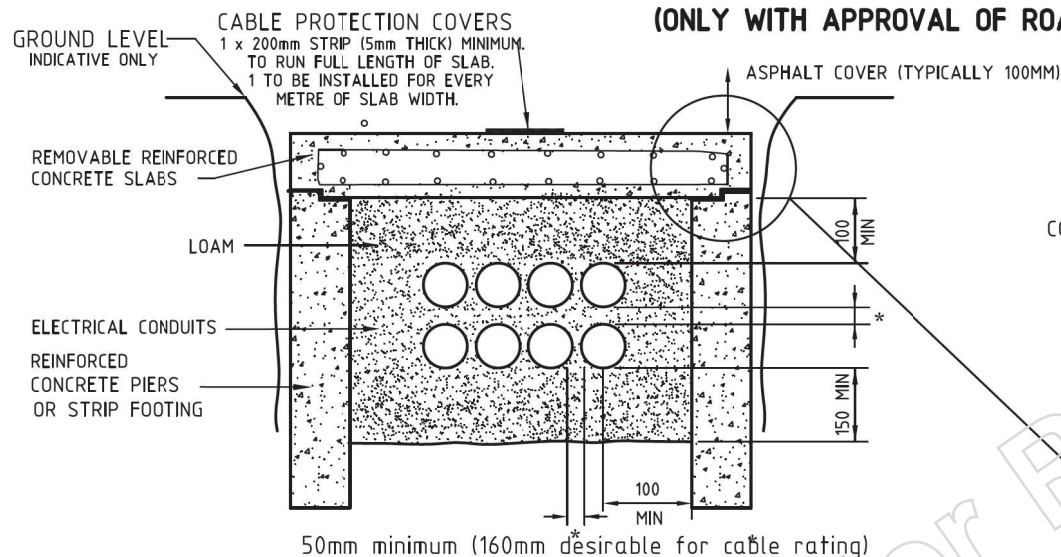
Scale A (H)

Scale B (V)

				Associated Job Nos		Survey Data		Scales		BRISBANE CITY AND LOGAN CITY				PUBLIC UTILITY PLANT													
						Horiz. Datum GDA94		Scale A 0 2 4 6 8 10m		PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE)				ENERGEX SECTIONS													
						Auxiliary Drg Nos		Scale B 0 1.0 2.0m		CTL CHGE 0 TO 4150.258 (MC1B01)				COMPTON ROAD E-13				Job No. 240/12A/4.3									
						Horiz. Datum MGA (Zone 56)				Reference Points				Drawn		ENGINEERING CERTIFICATION (RPEO)				Contract No. CN-11843							
01 Issued For Information				17.08.21		A-I-D (Derived)				Preceding RP Dist. to start of job (km) From start to end of job From end to following RP Following RP				D.Covu		ENG. AREA		NAME		SIGNATURE		No.		DATE		Drawing No. 01	
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Revisions/Descriptions				Name or RPEO		Signature		Date		Through Chainage from 0.0km to 4.15km																	
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METHOD OF LAYING UNDERGROUND ELECTRICAL CONDUITS WHERE STANDARD COVER CANNOT BE ACHIEVED

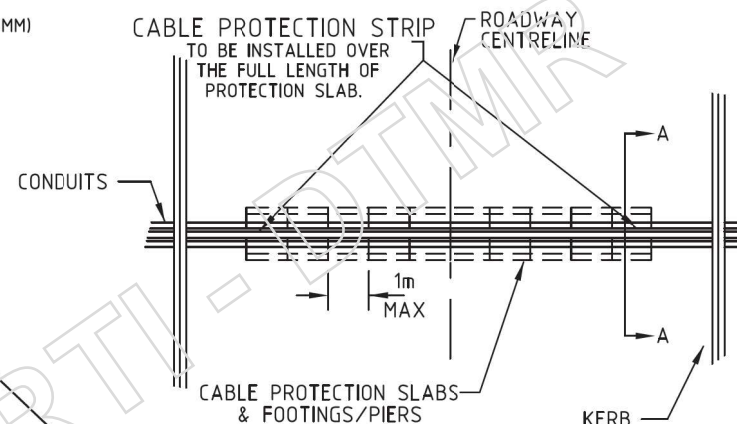
(ONLY WITH APPROVAL OF ROAD AUTHORITY)



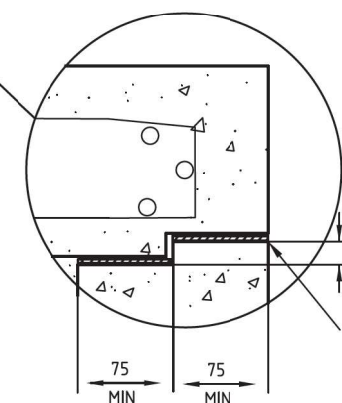
PROTECTION SLAB SECTION A-A

NOTES


1. Concrete Strip Footings or Piers shall be installed to prevent compression of Electrical Conduits by the Concrete Slabs. Slabs and Footings shall be designed and certified to meet DTMR/Council requirements.
2. The Concrete Protection Slabs & Footings/Piers shall be continued until minimum cover of 750mm is achieved or conduits rise to terminate.
3. The Concrete Protection Slabs shall be detailed + jointed at maximum 1.0m centres and fitted with flush mounted lifting eyes to enable removal.
4. Suitable adhesive shall be applied to the top surface of the Strip Footings/Piers before fixing the polyethene sheets prior to the Protection Slab is installed/poured.
5. Trenches shall be shaped, backfilled and drained to suit DTMR/Council requirements (e.g Pavement drainage to be provided on uphill side of structure & trenches shall be wide enough for suitable compaction.)



PROTECTION SLAB PLAN



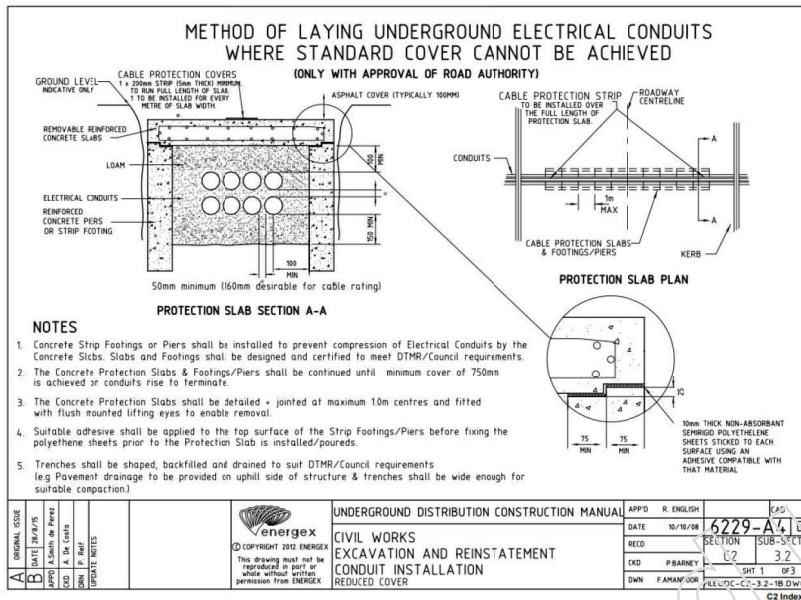
10mm THICK NON-ABSORBANT SEMIRIGID POLYETHYLENE SHEETS STICKED TO EACH SURFACE USING AN ADHESIVE COMPATIBLE WITH THAT MATERIAL

A	ORIGINAL ISSUE		B	DATE	28/8/15	APPD	A.Smith de Perez		CKD	A. De Costa		DRN	P. Relf		UPDATE NOTES	<div> energex</div> <div>© COPYRIGHT 2012 ENERGEX</div> <div>This drawing must not be reproduced in part or whole without written permission from ENERGEX</div>	UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL										APP'D		R. ENGLISH				CAD																								
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																		CIVIL WORKS										EXCAVATION AND REINSTATEMENT										CONDUIT INSTALLATION										REDUCED COVER									

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Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>

Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

Can I just confirm a few things please?

1. TMR are raising road levels not reducing them? – correct
2. The area in discussion was previously a road way, ie not previously footpath, now road – the new slip lane is partially over exiting carriageway and partially over existing verge
3. What is the AC/ pavement depth? – the total pavement depth is 630 mm (this comprises of 2 x 50 mm layers of asphalt, 1 x 180 mm layer of asphalt and 350 mm of gravel)
4. IS this the area where the 11kV cable was hit and repaired by Energex or the area where the unidentified conduit was hit? – this is where the 11kV cable was struck

Thanks

personal

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>

Sent: Wednesday, 18 August 2021 9:39 AM

To: personal <personal@energex.com.au>

Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>

Subject: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

personal

Thanks very much for the chat.

As you're aware and as discussed, there are a number of emails flying around regarding the 11kV Energex conduits / cables which were struck beneath the Logan Road / Compton Road left-turn slip lane – adjacent to the existing substation.

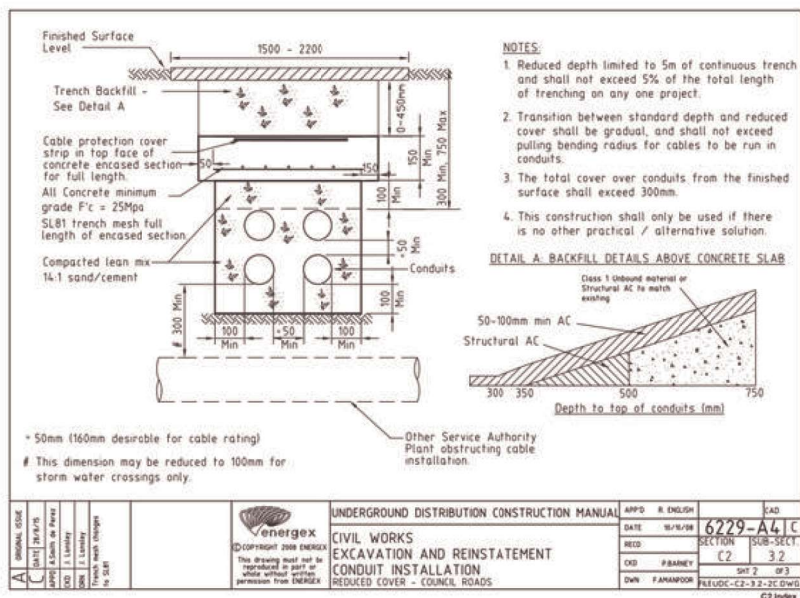
Jacobs have prepared the attached long section, which shows the ultimate residual cover for the full length of the Energex alignment beneath Compton Road -- and have clouded the area where the ultimate residual cover was 'on the cusp' of Energex's minimum cover requirements under a Logan City Council road.

You'll note that the minimum cover will ultimately be 737 mm, quickly increasing on either side to >800mm.

We're hoping you're able to help us out by having some discussions internally (personal information others), to determine the most appropriate course of action.

Based on our discussion, TMR and BHJV would be happy to proceed with any of the following options:

1. Construct a concrete protection slab in accordance with the Energex standard detail below, for full width of the slip lane (approximately 11 m)
2. Construct a concrete protection slab in accordance with the Energex standard detail below, for the shallowest 5 m section
3. Construct the pavement box immediately above the existing conduits (approximately 750 mm deep) installing the hard cover strip only, without the concrete protection slab



If you could please confirm which of the above options is the most acceptable to Energex, TMR will direct BHJV asap to resolve / finalise the issue.

Feel free to give me a call if you have any questions or require additional information.

Kind regards

Michael

Michael Kavourakis

M1 North Project | Eight Mile Plains Office

Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

PO Box 442 | Nerang QLD 4211

M: **NR**

P: 5563 6437

Michael.z.kavourakis@tmr.qld.gov.au

www.tmr.qld.gov.au

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Released under RTI - DTMR

Matthew X Kelly

From: Michael Z Kavourakis
Sent: Tuesday, 24 August 2021 4:25 PM
To: [personal] Matthew X Kelly
Cc: [personal]
Subject: Compton Road - Energex Protection Slab Detail
Attachments: Energex Standard Drawing - Protection Slab.pdf; 24012A4.3-JEG-1PU10-SKT-9002_01.pdf

[personal]

As discussed, see attached for the Energex Standard Drawing showing the protection slab detail, and the long section of the Energex conduits indicating the residual cover dimensions.

We anticipate that the extent of protection will be approximately 6 or 7 metres from the new kerb – however it might be safer to wait for confirmation from Energex before stipulating exact lengths to BHJV.

Worth starting the conversation though while Jacobs detail the slab.

Stay tuned.

Kav

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211

M: [personal]
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
www.tmr.qld.gov.au

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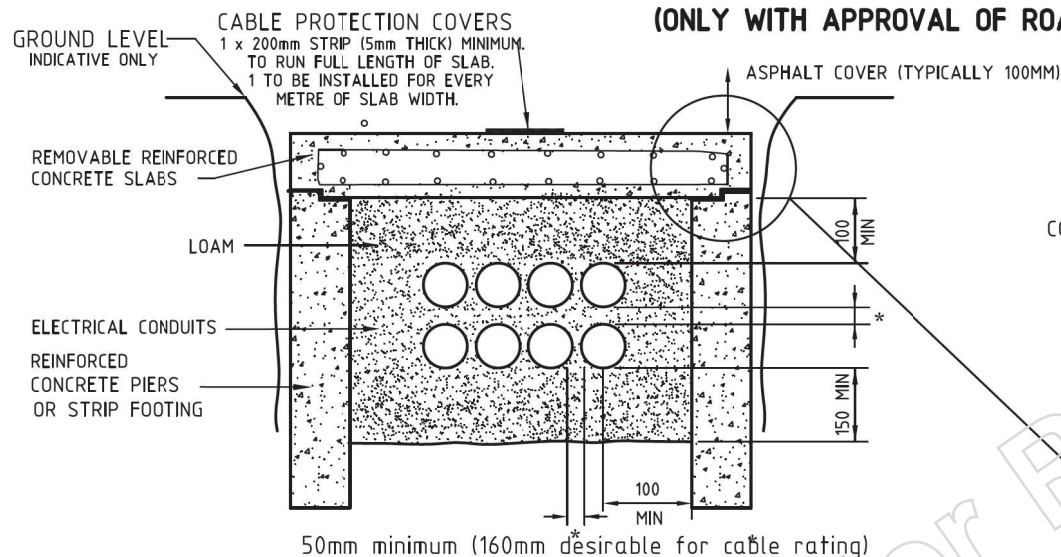


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METHOD OF LAYING UNDERGROUND ELECTRICAL CONDUITS WHERE STANDARD COVER CANNOT BE ACHIEVED

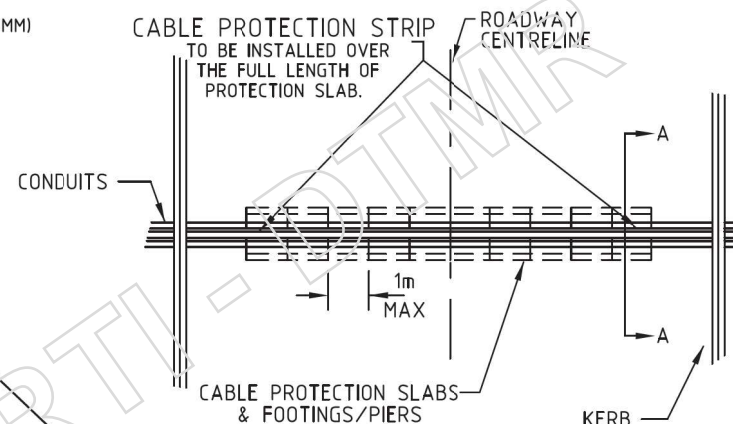
(ONLY WITH APPROVAL OF ROAD AUTHORITY)



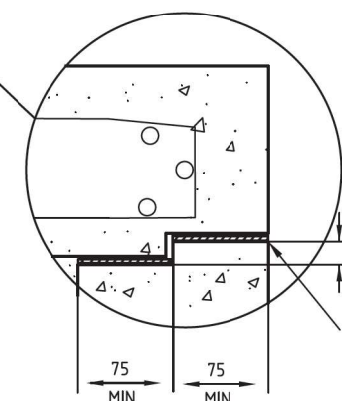
PROTECTION SLAB SECTION A-A

NOTES


1. Concrete Strip Footings or Piers shall be installed to prevent compression of Electrical Conduits by the Concrete Slabs. Slabs and Footings shall be designed and certified to meet DTMR/Council requirements.
2. The Concrete Protection Slabs & Footings/Piers shall be continued until minimum cover of 750mm is achieved or conduits rise to terminate.
3. The Concrete Protection Slabs shall be detailed + jointed at maximum 1.0m centres and fitted with flush mounted lifting eyes to enable removal.
4. Suitable adhesive shall be applied to the top surface of the Strip Footings/Piers before fixing the polyethene sheets prior to the Protection Slab is installed/poured.
5. Trenches shall be shaped, backfilled and drained to suit DTMR/Council requirements (e.g Pavement drainage to be provided on uphill side of structure & trenches shall be wide enough for suitable compaction.)



PROTECTION SLAB PLAN



10mm THICK NON-ABSORBANT SEMIRIGID POLYETHYLENE SHEETS STICKED TO EACH SURFACE USING AN ADHESIVE COMPATIBLE WITH THAT MATERIAL

A	ORIGINAL ISSUE		B	DATE	28/8/15	APPD	A.Smith de Perez		CKD	A. De Costa		DRN	P. Relf		UPDATE NOTES	<div></div> <div>energex</div> <div>© COPYRIGHT 2012 ENERGEX</div> <div>This drawing must not be reproduced in part or whole without written permission from ENERGEX</div>	UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL										APP'D	R. ENGLISH		CAD																											
				DATE			10/10/08			RECD			SECTION				SUB-SECT		6229-A4		B																																				
										CKD			P.BARNEY				C2		3.2																																						
																	SHT 1		OF 3																																						
																	DWN		F.AMANPOOR		FILE UDC-C2-3.2-1B.DWG																																				
																		CIVIL WORKS										EXCAVATION AND REINSTATEMENT										CONDUIT INSTALLATION										REDUCED COVER									

Matthew X Kelly

From: [personal]@energyq.com.au>
Sent: Tuesday, 24 August 2021 5:10 PM
To: Michael Z Kavourakis
Cc: Matthew X Kelly; [personal]
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment
Attachments: 24012A4.3-JEG-1PU10-SKT-9002_01.pdf; Energex Standard Drawing - Protection Slab.pdf

Hi Michael,

Yep, im happy to proceed with the below including highlighted note.

As noted aware we are still awaiting a response from our standards team and I think the below is a good course of action to make safe pending the decision. Please document and take photo's of protection slab once constructed.

Thanks

[personal]

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Tuesday, 24 August 2021 4:37 PM
To: [personal]@energyq.com.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [personal]

Thanks again for sending through the detail below.

As discussed earlier, to mitigate the risk of any ongoing delay to TMR's contractor proceeding with the pavement construction activities at Compton Road – we are proposing to install the protection slab detail in accordance with Energex Standard Drawing 6229-A4 C2-3.2 (attached PDF version and excerpt below) – in anticipation of the decision from Energex's standards team.

Based upon the attached long section, and Note 2 on the standard drawing – can you foresee any issues with TMR's proposed approach to install the protection slab detail for the extent between CH. 48.000 and 54.000 only?

Feel free to give me a call to discuss if required.

Thanks

Michael

Michael Kavourakis

M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

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PO Box 442 | Nerang QLD 4211

M: [NR]
P: 6563 6437

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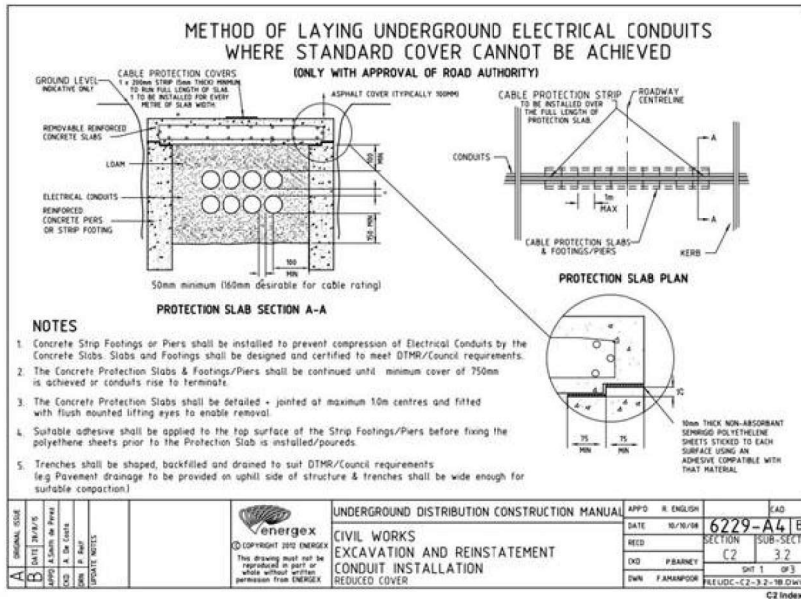
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From: [redacted] <[redacted]@energyq.com.au>
Sent: Tuesday, 24 August 2021 10:33 AM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

FYI, there is another probably more applicable shallow conduit drawing from our manual in which I think (if any) will be approved for this application. The one we previously used is more for avoiding obstacles such as sewer main and should only be used for 5m max. The one in this email is more for trucks running over conduits due to road boxing etc



Thanks

[redacted] personal information

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Monday, 23 August 2021 8:00 AM
To: [redacted] <[redacted]@energyq.com.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

No worries mate.

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
M: [redacted]
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From: [redacted] personal <[redacted]@energyq.com.au>

Sent: Monday, 23 August 2021 7:37 AM

To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>

Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Still awaiting a response sorry Kav. Our standards department are now involved...

Thanks

[redacted] personal

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>

Sent: Thursday, 19 August 2021 10:27 AM

To: [redacted] personal <[redacted]@energyq.com.au>

Cc: [redacted] personal <[redacted]@driveengineering.com.au>; Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; [redacted] personal <[redacted]@driveengineering.com.au>

Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [redacted] personal

Answers to the queries below in blue.

Based on these responses, what chance do you think we are of getting a resolution today?

Thanks

Michael

Michael Kavourakis

M1 North Project | Eight Mile Plains Office

Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

PO Box 442 | Nerang QLD 4211

M [redacted] NR

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Sent: Thursday, 19 August 2021 9:50 AM

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Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

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1. TMR are raising road levels not reducing them? – [correct](#)
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personal

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Sent: Wednesday, 18 August 2021 9:39 AM

To: [personal](#) <energyq.com.au>

Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>

Subject: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

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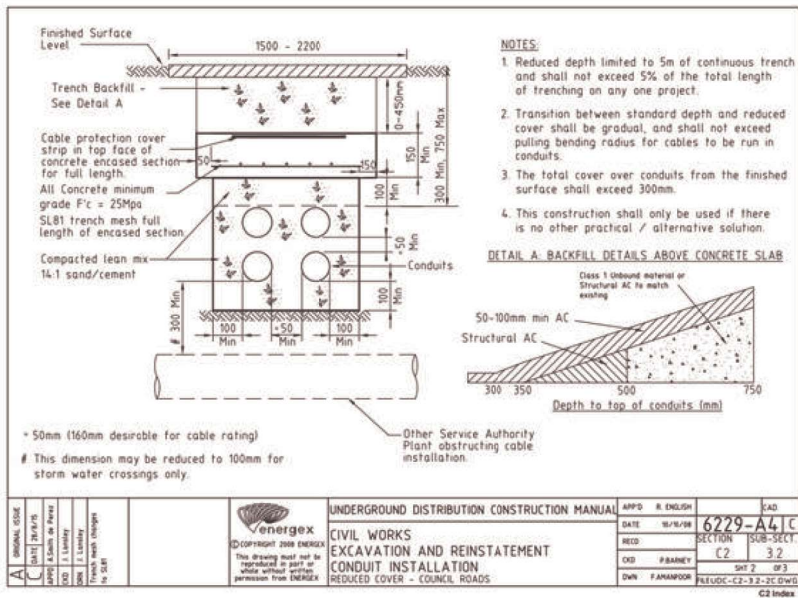
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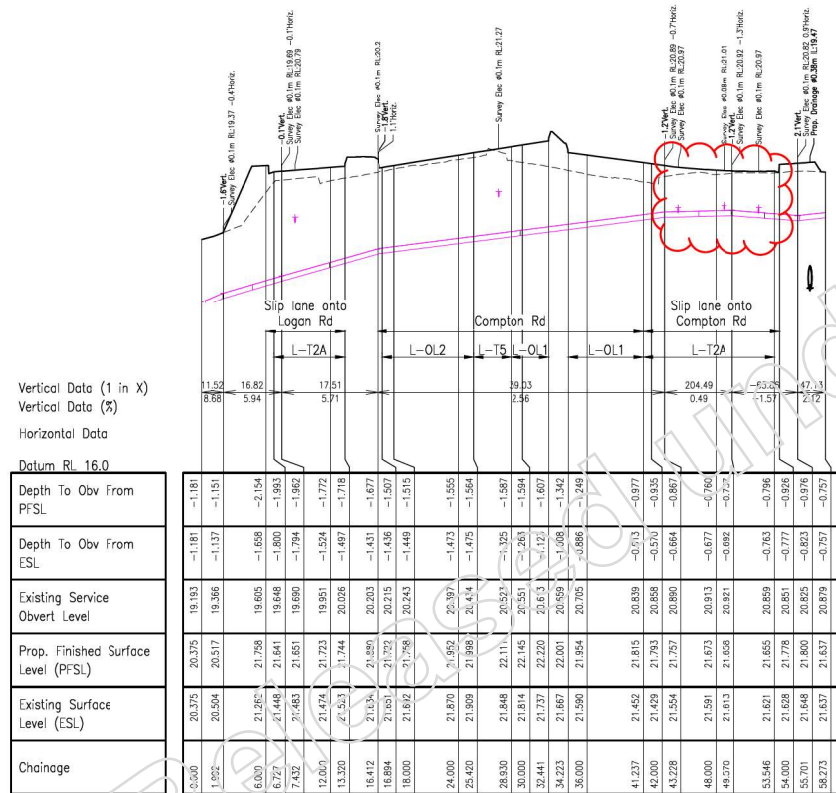
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Locality of Underwood and Springwood



Longitudinal Section - Energex - E-13 - 6xP100

Scale A (H)

Scale B (V)

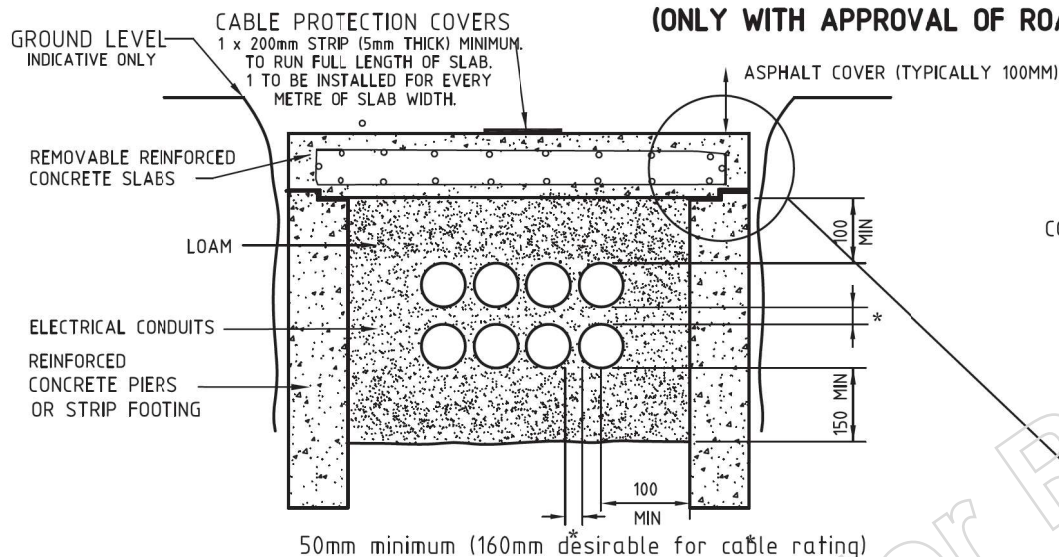
Last Modified: Aug 17, 2021 - 12:21pm

Associated Job Nos		Survey Data		Scales		BRISBANE CITY AND LOGAN CITY		PUBLIC UTILITY PLANT		ENGINEERING CERTIFICATION (RPEQ)		Job No.	
Auxiliary Drg Nos		GDA94		Scale A: 0 2 4 6 8 10m		PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE)		ENERGEX SECTIONS		NAME		Contract No.	
		MGA (Zone 56)		Scale B: 0 1.0 2.0m		CTL CHGE 0 TO 4150.258 (MC1B01)		COMPTON ROAD E-13		SIGNATURE		CN-11843	
		Height Datum		AHD (Derived)		Reference Points				No.		DATE	
		Survey Books		MR102526 05		Dimensions shown in except where shown otherwise				D.Cavu		Contract No.	
Revisions/Descriptions		Name or RPEQ No.		Signature		Date		12A/1		0		4.15	
01 Issued For Information						17.08.21		From start to end of job		2.45		12A/4A	
02 Issued For Construction								From end to following RP					
								Through Chainage from 0.0km to 4.15km					
												Series Number	



METHOD OF LAYING UNDERGROUND ELECTRICAL CONDUITS WHERE STANDARD COVER CANNOT BE ACHIEVED

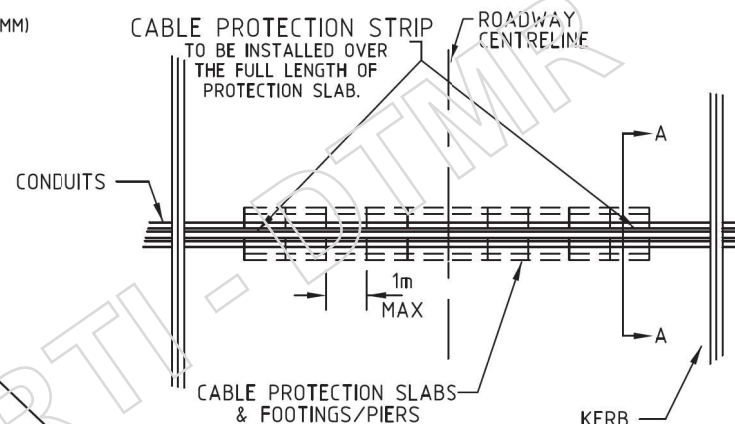
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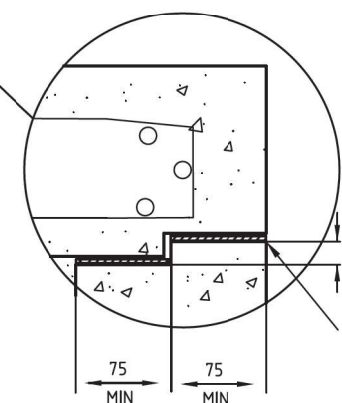
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PROTECTION SLAB PLAN



10mm THICK NON-ABSORBANT SEMIRIGID POLYETHYLENE SHEETS STICKED TO EACH SURFACE USING AN ADHESIVE COMPATIBLE WITH THAT MATERIAL

A	ORIGINAL ISSUE		DATE	28/8/15	APPD	A.Smith de Perez	CKD	A. De Costa	DRN	P. Relf	UPDATE NOTES	<div><div>energex</div><div>© COPYRIGHT 2012 ENERGEX</div><div>This drawing must not be reproduced in part or whole without written permission from ENERGEX</div></div>	UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL				APP'D	R. ENGLISH			CAD
	B	CIVIL WORKS											DATE	10/10/08		6229-A4		B			
													RECD			SECTION	SUB-SECT				
													CKD	P.BARNEY		C2	3.2				
													DWN	F.AMANPOOR		SHT 1 OF3					
													EXCAVATION AND REINSTATEMENT				FILE UDC-C2-3.2-1B.DWG				
													CONDUIT INSTALLATION								
													REDUCED COVER								

Matthew X Kelly

From: [personal]@energyq.com.au>
Sent: Tuesday, 24 August 2021 5:10 PM
To: Michael Z Kavourakis
Cc: Matthew X Kelly [personal]
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment
Attachments: 24012A4.3-JEG-1PU10-SKT-9002_01.pdf; Energex Standard Drawing - Protection Slab.pdf

Categories: Orange Category

Hi Michael,

Yep, im happy to proceed with the below including highlighted note.

As noted aware we are still awaiting a response from our standards team and I think the below is a good course of action to make safe pending the decision. Please document and take photo's of protection slab once constructed.

Thanks
[personal]

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Tuesday, 24 August 2021 4:37 PM
To: [personal]@energyq.com.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

[personal]

Thanks again for sending through the detail below.

As discussed earlier, to mitigate the risk of any ongoing delay to TMR's contractor proceeding with the pavement construction activities at Compton Road – we are proposing to install the protection slab detail in accordance with Energex Standard Drawing 6229-A4 C2-3.2 (attached PDF version and excerpt below) – in anticipation of the decision from Energex's standards team.

Based upon the attached long section, and Note 2 on the standard drawing – can you foresee any issues with TMR's proposed approach to install the protection slab detail for the extent between CH. 48.000 and 54.000 only?

Feel free to give me a call to discuss if required.

Thanks

Michael

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
M: [personal]
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
www.tmr.qld.gov.au

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traffic lights?



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elbow bump it instead!



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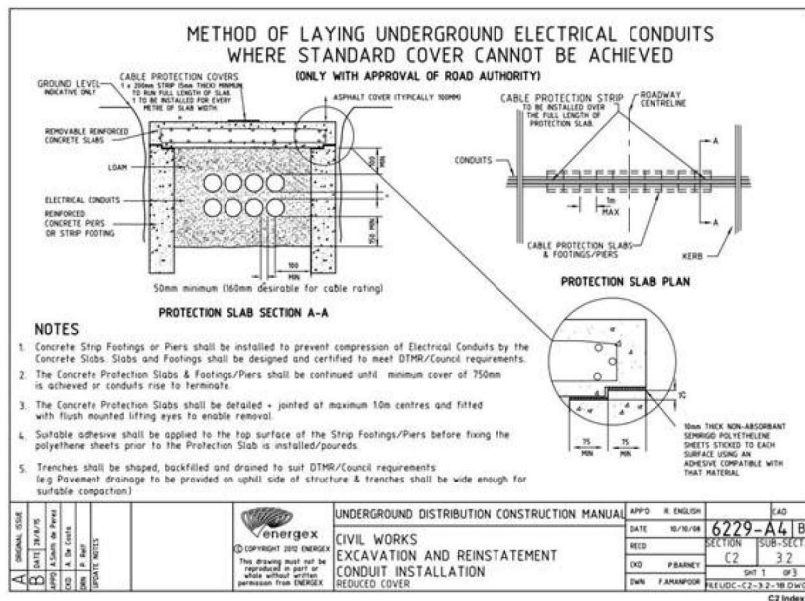
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Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

FYI, there is another probably more applicable shallow conduit drawing from our manual in which I think (if any) will be approved for this application. The one we previously used is more for avoiding obstacles such as sewer main and should only be used for 5m max. The one in this email is more for trucks running over conduits due to road boxing etc



Thanks
[redacted] personal

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Sent: Monday, 23 August 2021 8:00 AM

To: [redacted] personal <[redacted]@energyq.com.au>

Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

No worries mate.

Michael Kavourakis

M1 North Project | Eight Mile Plains Office

Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

PO Box 442 | Nerang QLD 4211

M: [redacted] NR

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Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Still awaiting a response sorry Kav. Our standards department are now involved...

Thanks

[redacted] personal

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Sent: Thursday, 19 August 2021 10:27 AM

To: [redacted] personal <[redacted]@energyq.com.au>

Cc: [redacted] personal <[redacted]@driveengineering.com.au>; Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; [redacted] personal <[redacted]@driveengineering.com.au>

Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

[redacted] personal

Answers to the queries below in blue.

Based on these responses, what chance do you think we are of getting a resolution today?

Thanks

Michael

Michael Kavourakis

M1 North Project | Eight Mile Plains Office

Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

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Sent: Thursday, 19 August 2021 9:50 AM

To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>

Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>

Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

Can I just confirm a few things please?

1. TMR are raising road levels not reducing them? – [correct](#)
2. The area in discussion was previously a road way, ie not previously footpath, now road – [the new slip lane is partially over exiting carriageway and partially over existing verge](#)
3. What is the AC/ pavement depth? – [the total pavement depth is 630 mm \(this comprises of 2 x 50 mm layers of asphalt, 1 x 180 mm layer of asphalt and 350 mm of gravel\)](#)
4. IS this the area where the 11kV cable was hit and repaired by Energex or the area where the unidentified conduit was hit? – [this is where the 11kV cable was struck](#)

Thanks

[personal](#)

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>

Sent: Wednesday, 18 August 2021 9:39 AM

To: [personal](#) <energyq.com.au>

Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>

Subject: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [personal](#)

Thanks very much for the chat.

As you're aware and as discussed, there are a number of emails flying around regarding the 11kV Energex conduits / cables which were struck beneath the Logan Road / Compton Road left-turn slip lane – adjacent to the existing substation.

Jacobs have prepared the attached long section, which shows the ultimate residual cover for the full length of the Energex alignment beneath Compton Road – and have clouded the area where the ultimate residual cover was 'on the cusp' of Energex's minimum cover requirements under a Logan City Council road.

You'll note that the minimum cover will ultimately be 737 mm, quickly increasing on either side to >800mm.

We're hoping you're able to help us out by having some discussions internally ([with internal information](#) and others), to determine the most appropriate course of action.

Based on our discussion, TMR and BHJV would be happy to proceed with any of the following options:

1. Construct a concrete protection slab in accordance with the Energex standard detail below, for full width of the slip lane (approximately 11 m)
2. Construct a concrete protection slab in accordance with the Energex standard detail below, for the shallowest 5 m section
3. Construct the pavement box immediately above the existing conduits (approximately 750 mm deep) installing the hard cover strip only, without the concrete protection slab

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- In your Email Client (e.g. Outlook) create a new email addressed to email-feedback@forcepoint.com
- Attach this email as an attachment and click on send

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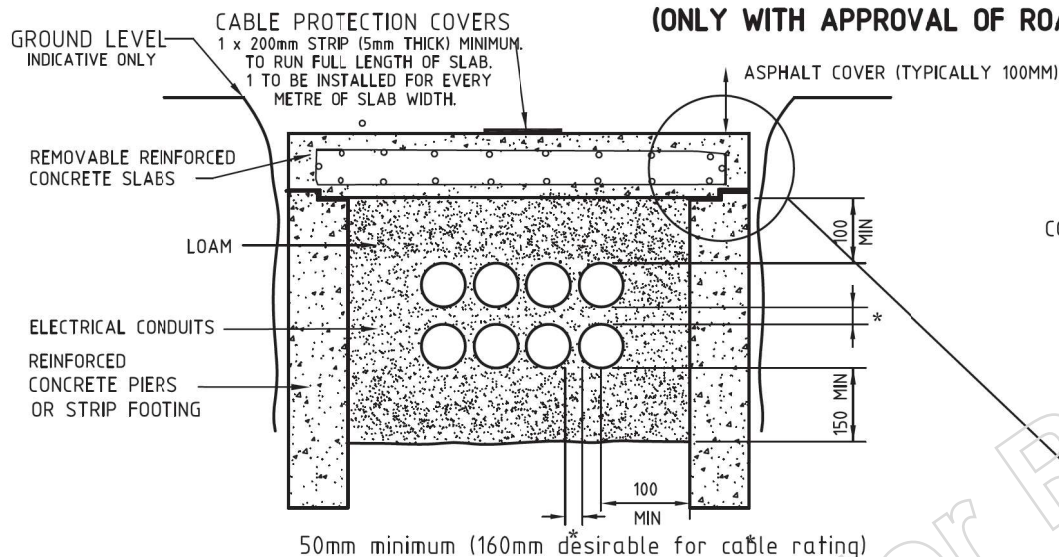
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METHOD OF LAYING UNDERGROUND ELECTRICAL CONDUITS WHERE STANDARD COVER CANNOT BE ACHIEVED

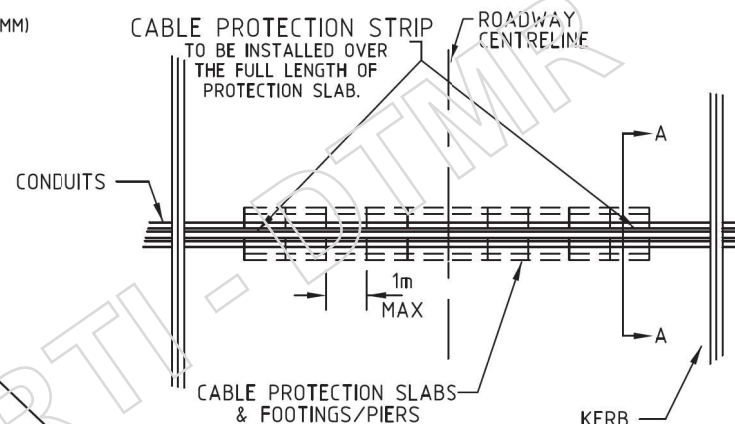
(ONLY WITH APPROVAL OF ROAD AUTHORITY)



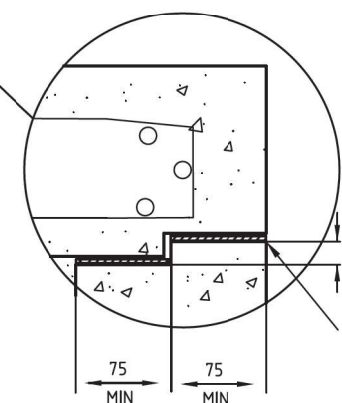
PROTECTION SLAB SECTION A-A

NOTES


1. Concrete Strip Footings or Piers shall be installed to prevent compression of Electrical Conduits by the Concrete Slabs. Slabs and Footings shall be designed and certified to meet DTMR/Council requirements.
2. The Concrete Protection Slabs & Footings/Piers shall be continued until minimum cover of 750mm is achieved or conduits rise to terminate.
3. The Concrete Protection Slabs shall be detailed + jointed at maximum 1.0m centres and fitted with flush mounted lifting eyes to enable removal.
4. Suitable adhesive shall be applied to the top surface of the Strip Footings/Piers before fixing the polyethene sheets prior to the Protection Slab is installed/poured.
5. Trenches shall be shaped, backfilled and drained to suit DTMR/Council requirements (e.g Pavement drainage to be provided on uphill side of structure & trenches shall be wide enough for suitable compaction.)



PROTECTION SLAB PLAN



10mm THICK NON-ABSORBANT SEMIRIGID POLYETHYLENE SHEETS STICKED TO EACH SURFACE USING AN ADHESIVE COMPATIBLE WITH THAT MATERIAL

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																		CIVIL WORKS										EXCAVATION AND REINSTATEMENT										CONDUIT INSTALLATION										REDUCED COVER									

ws2sd

From: [redacted] personal [redacted]@driveengineering.com.au>
Sent: Wednesday, 25 August 2021 8:51 AM
To: [redacted] personal [redacted]
Cc: ws2sd [redacted] personal [redacted]
Subject: WS2SD - Compton Road - Energex Protection Slab Detail - Proposed Variation
Attachments: Energex Standard Drawing - Protection Slab.pdf; 24012A4.3-JEG-1PU10-SKT-9002_01.pdf

Importance: High

Categories: DMS

Hi [redacted] personal [redacted]

As discussed, The Energex Conduits at the Corner of Compton and Logan Road will require concrete protection where the minimum depth of cover cannot be achieved. I have attached a copy of the Energex Standard detail that will be required together with the approximate location of the required slab.

Following discussions with TMR and Energex, and under Clause 40.1 of the General Conditions of Contract, I propose the following variation for your consideration:

1. Installation of protection slab in accordance with Energex Standard Drawing 6229-A4 (attached).
2. Length of slab to be determined on site, based on extent of substandard cover. We anticipate that the extent of protection will be approximately 6 or 7 metres from the new kerb – however it might be safer to wait for confirmation [redacted] personal information [redacted] at Energex before determining exact lengths.
3. TMR to provide structural detail for removable reinforced concrete cover.
4. Detailed as-constructed records, including QA and photos, to be provided for future discussions with Energex.

In accordance with Clause 40.2 could you please advise the following.

- i. the effect which the Contractor anticipates that the variation will have on the Construction Program and time for Practical Completion; and
- ii. provide a realistic estimate of the cost (including delay costs, if any) of the proposed variation including whether the works can be covered by existing scheduled items; and
- iii. provide supporting document to substantiate the estimated cost and time impacts including an updated Current Program clearly showing the time impacts of the proposed variations, supplier quotations, measurements and any other relevant evidence of costs.

Please let me know if you need more information/ clarification.

Cheers

[redacted] personal [redacted]

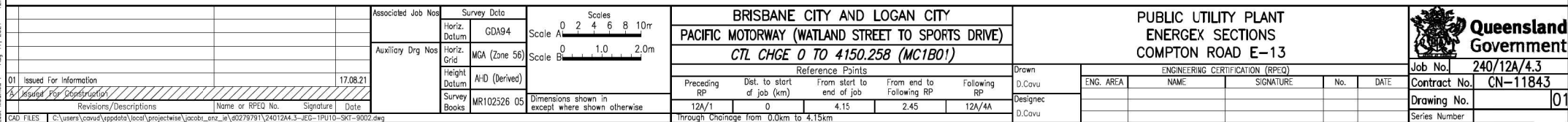
[redacted] personal [redacted]

ADMINISTRATOR
BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer (IntPE Aust)

Mobile NR [redacted] Email: [redacted] personal [redacted]@engineering.com.au

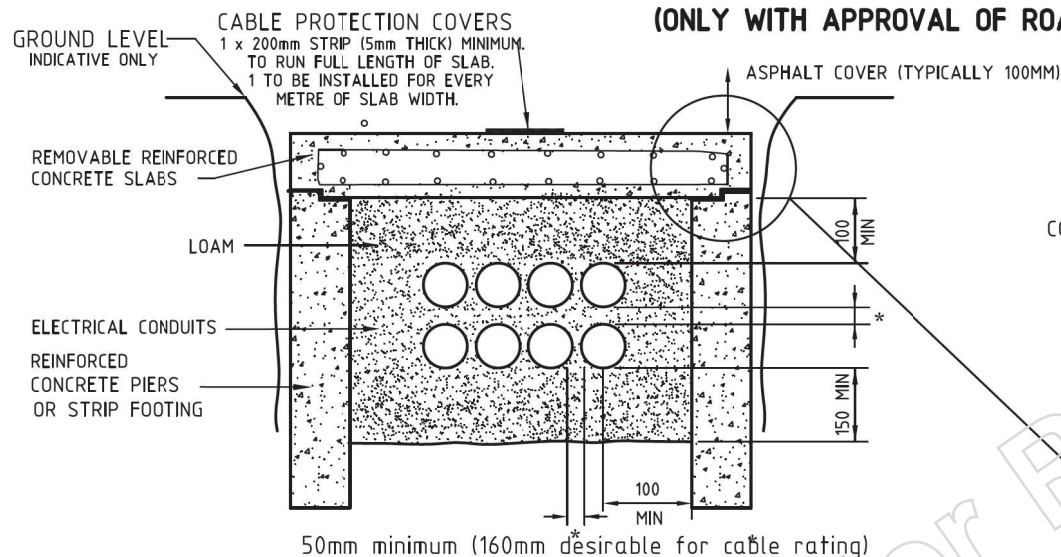


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METHOD OF LAYING UNDERGROUND ELECTRICAL CONDUITS WHERE STANDARD COVER CANNOT BE ACHIEVED

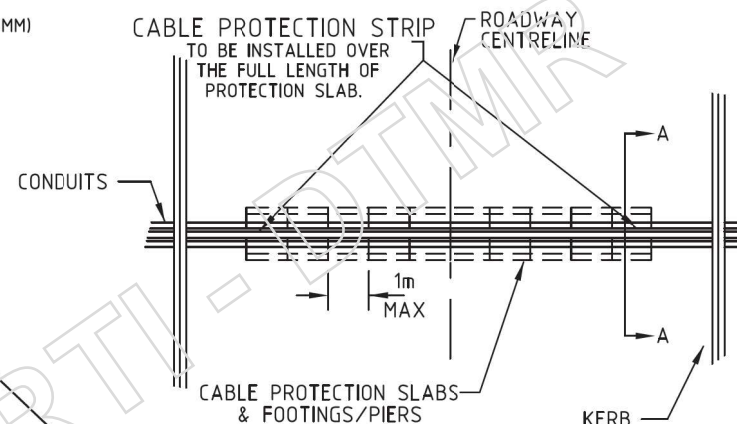
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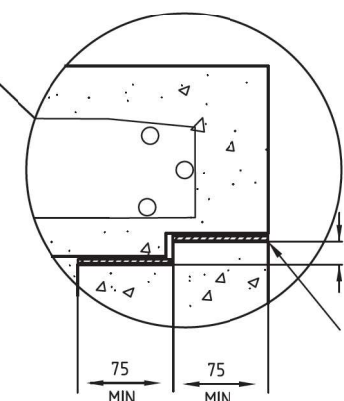
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ws2sd

From: Matthew X Kelly
Sent: Wednesday, 25 August 2021 12:14 PM
To: [redacted] personal
Cc: [redacted] personal; Ross J Poidevin; Michael Z Kavourakis; ws2sd
Subject: FW: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment
Attachments: 24012A4.3-JEG-1PU10-SKT-9002_01.pdf; Energex Standard Drawing - Protection Slab.pdf

Categories: DMS

Hi [redacted] personal

Please see below email from Energex endorsing the instructed course of action (as attached) to protect the 11 kV service at the Compton Rd slip lane in order to keep the program moving.

Could you please ensure the inspectors take photographs of the slab during and after construction as Energex have requested.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [redacted] personal <[redacted]@energyq.com.au>
Sent: Tuesday, 24 August 2021 5:10 PM
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Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au> [redacted] personal <[redacted]@energyq.com.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

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As noted aware we are still awaiting a response from our standards team and I think the below is a good course of action to make safe pending the decision. Please document and take photo's of protection slab once constructed.

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Feel free to give me a call to discuss if required.

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M: 

P: 5563 6437

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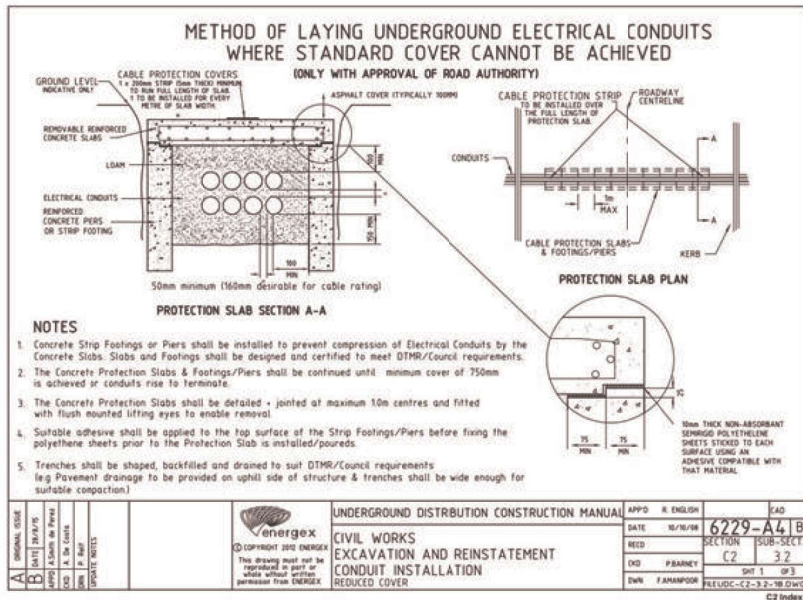
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Thanks

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To: personal <@energyq.com.au>

Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

No worries mate.

Michael Kavourakis

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Program Delivery and Operations | Department of Transport and Main Roads

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PO Box 442 | Nerang QLD 4211

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To: personal <energyq.com.au>

Cc: personal <driveengineering.com.au>; Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; personal <driveengineering.com.au>

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Hi personal

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Based on these responses, what chance do you think we are of getting a resolution today?

Thanks

Michael

Michael Kavourakis

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From: personal <energyq.com.au>

Sent: Thursday, 19 August 2021 9:50 AM

To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>

Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>

Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

Can I just confirm a few things please?

1. TMR are raising road levels not reducing them? – correct
2. The area in discussion was previously a road way, ie not previously footpath, now road – the new slip lane is partially over exiting carriageway and partially over existing verge
3. What is the AC/ pavement depth? – the total pavement depth is 630 mm (this comprises of 2 x 50 mm layers of asphalt, 1 x 180 mm layer of asphalt and 350 mm of gravel)
4. IS this the area where the 11kV cable was hit and repaired by Energex or the area where the unidentified conduit was hit? – this is where the 11kV cable was struck

Thanks

personal

Michael Kavourakis

M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211

M: 

P: 5563 6437

Michael.z.kavourakis@tmr.qld.gov.au

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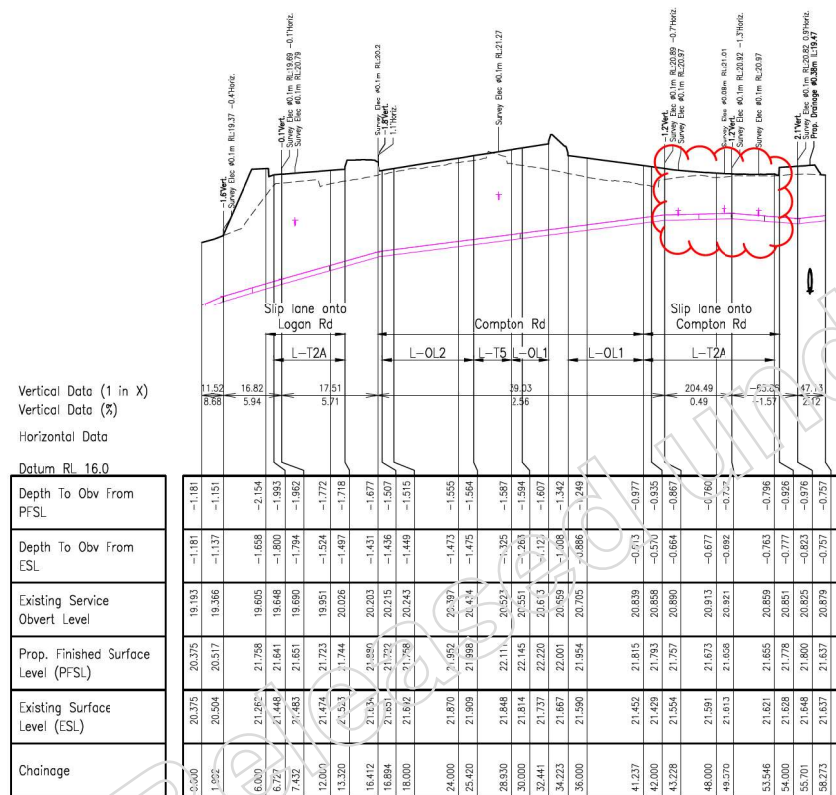
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Released under RTI - DTMR



Longitudinal Section - Energex - E-13 - 6xP100

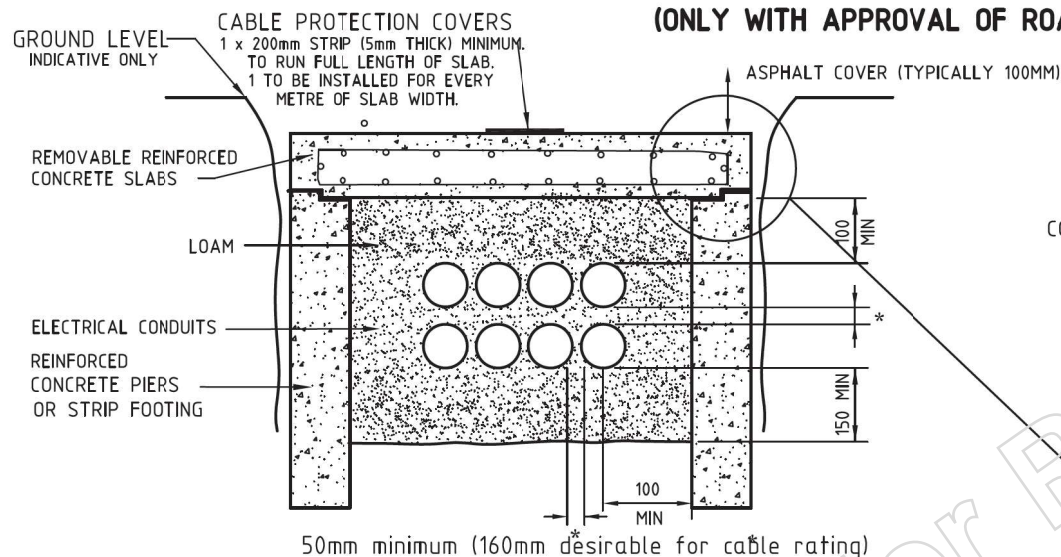
Scale A (H)

Scale B (V)

01 Issued For Information 17.08.21		Associated Job Nos Survey Data Horiz. Datum GDA94 Scale 0 2 4 6 8 10m Auxiliary Drg Nos Horiz. Grid MGA (Zone 56) AHD (Derived) Survey Books MR102526 05		Scales Scale A 0 2 4 6 8 10m Scale B 0 1.0 2.0m Dimensions shown in except where shown otherwise		BRISBANE CITY AND LOGAN CITY PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE) CTL CHGE 0 TO 4150.258 (MC1B01) Reference Points Preceding RP Dist. to start of job (km) From start to end of job From end to Following RP Following RP 12A/1 0 4.15 2.45 12A/4A Through Chainage from 0.0km to 4.15km		PUBLIC UTILITY PLANT ENERGEX SECTIONS COMPTON ROAD E-13 Drawn D.Cavu Designec D.Cavu				ENGINEERING CERTIFICATION (RPEQ) ENG. AREA NAME SIGNATURE No. DATE				 Queensland Government Job No. 240/12A/4.3 Contract No. CN-11843 Drawing No. 01 Series Number	
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METHOD OF LAYING UNDERGROUND ELECTRICAL CONDUITS WHERE STANDARD COVER CANNOT BE ACHIEVED

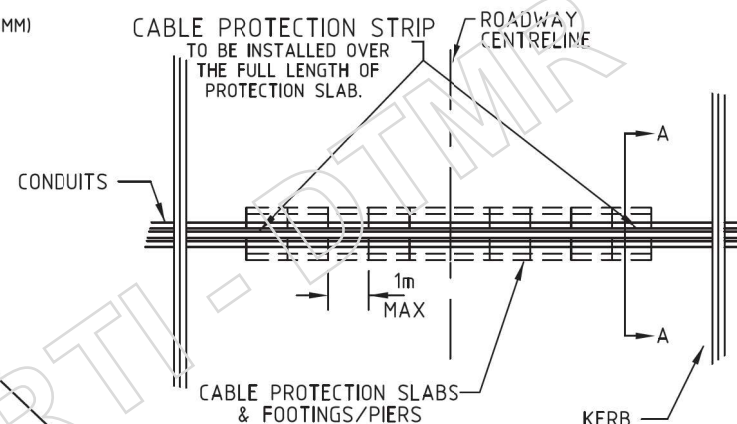
(ONLY WITH APPROVAL OF ROAD AUTHORITY)



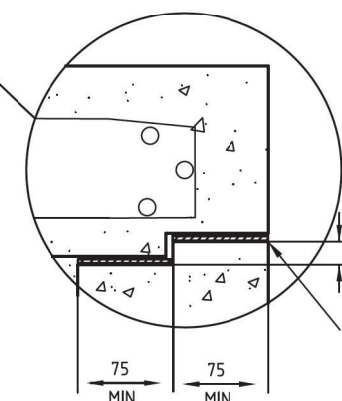
PROTECTION SLAB SECTION A-A

NOTES

1. Concrete Strip Footings or Piers shall be installed to prevent compression of Electrical Conduits by the Concrete Slabs. Slabs and Footings shall be designed and certified to meet DTMR/Council requirements.
2. The Concrete Protection Slabs & Footings/Piers shall be continued until minimum cover of 750mm is achieved or conduits rise to terminate.
3. The Concrete Protection Slabs shall be detailed + jointed at maximum 1.0m centres and fitted with flush mounted lifting eyes to enable removal.
4. Suitable adhesive shall be applied to the top surface of the Strip Footings/Piers before fixing the polyethene sheets prior to the Protection Slab is installed/poured.
5. Trenches shall be shaped, backfilled and drained to suit DTMR/Council requirements (e.g Pavement drainage to be provided on uphill side of structure & trenches shall be wide enough for suitable compaction.)



PROTECTION SLAB PLAN



10mm THICK NON-ABSORBANT SEMIRIGID POLYETHYLENE SHEETS STICKED TO EACH SURFACE USING AN ADHESIVE COMPATIBLE WITH THAT MATERIAL

A		ORIGINAL ISSUE		B	DATE		28/8/15		APPD	A.Smith de Perez		CKD	A. De Costa		DRN	P. Relf		UPDATE NOTES						
B		DATE			10/10/08		6229-A4			B														
					RECD		SECTION			SUB-SECT														
					CKD		P.BARNEY			C2			3.2											
					DWN		F.AMANPOOR			SHT 1			OF 3											
UNDERGROUND DISTRIBUTION CONSTRUCTION MANUAL																			APP'D		R. ENGLISH		CAD	
CIVIL WORKS																								
EXCAVATION AND REINSTATEMENT																								
CONDUIT INSTALLATION																								
REDUCED COVER																								
																								
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FILE UDC-C2-3.2-1B.DWG																								

ws2sd

From: [personal]@driveengineering.com.au>
Sent: Wednesday, 25 August 2021 1:05 PM
To: Matthew X Kelly
Cc: [personal] Ross J Poidevin; Michael Z Kavourakis; ws2sd
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Categories: DMS

Excellent!

Thanks Matt. I'll make sure our Inspectors are all over it.

Cheers

[personal]



From: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Sent: Wednesday, 25 August 2021 12:14 PM
To: [personal]@driveengineering.com.au>
Cc: [personal]@driveengineering.com.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; Michael Z Kavourakis <michael.z.kavourakis@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: FW: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [personal],
personal information

Please see below email from Energex endorsing the instructed course of action (as attached) to protect the 11 kV service at the Compton Rd slip lane in order to keep the program moving.

Could you please ensure the inspectors take photographs of the slab during and after construction as Energex have requested.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandt Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [redacted] personal [redacted]@energyq.com.au>
Sent: Tuesday, 24 August 2021 5:10 PM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; [redacted] personal [redacted]@energyq.com.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

Yep, im happy to proceed with the below including highlighted note.

As noted aware we are still awaiting a response from our standards team and I think the below is a good course of action to make safe pending the decision. Please document and take photo's of protection slab once constructed.

Thanks
[redacted] personal [redacted]

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Tuesday, 24 August 2021 4:37 PM
To: [redacted] personal [redacted]@energyq.com.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

[redacted] personal [redacted]

Thanks again for sending through the detail below.

As discussed earlier, to mitigate the risk of any ongoing delay to TMR's contractor proceeding with the pavement construction activities at Compton Road – we are proposing to install the protection slab detail in accordance with Energex Standard Drawing 6229-A4 C2-3.2 (attached PDF version and excerpt below) – in anticipation of the decision from Energex's standards team.

Based upon the attached long section, and Note 2 on the standard drawing – can you foresee any issues with TMR's proposed approach to install the protection slab detail for the extent between CH. 48.000 and 54.000 only?

Feel free to give me a call to discuss if required.

Thanks

Michael

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
M: [redacted]
NR [redacted]
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
www.tmr.qld.gov.au

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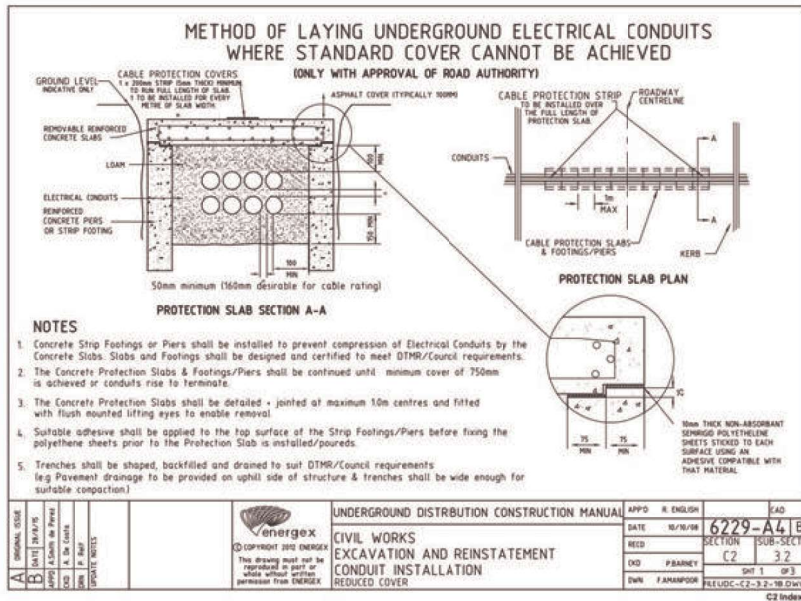
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From: [redacted] personal [redacted]@energyq.com.au>
Sent: Tuesday, 24 August 2021 10:33 AM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

FYI, there is another probably more applicable shallow conduit drawing from our manual in which I think (if any) will be approved for this application. The one we previously used is more for avoiding obstacles such as sewer main and should only be used for 5m max. The one in this email is more for trucks running over conduits due to road boxing etc



Thanks
personal

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Monday, 23 August 2021 8:00 AM
To: personal <personal@energyq.com.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

No worries mate.

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
M: [0800 663 6437](tel:08006636437)
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
www.tmr.qld.gov.au

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From: personal <personal@energyq.com.au>
Sent: Monday, 23 August 2021 7:37 AM

To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Still awaiting a response sorry Kav. Our standards department are now involved...

Thanks

personal

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Thursday, 19 August 2021 10:27 AM
To: personal <[redacted]@energyq.com.au>
Cc: personal <[redacted]@driveengineering.com.au>; Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; personal <[redacted]@driveengineering.com.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi personal

Answers to the queries below in blue.

Based on these responses, what chance do you think we are of getting a resolution today?

Thanks

Michael

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
M: NR [redacted]
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
www.tmr.qld.gov.au

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From: personal <[redacted]@energyq.com.au>
Sent: Thursday, 19 August 2021 9:50 AM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

Can I just confirm a few things please?

1. TMR are raising road levels not reducing them? – correct
2. The area in discussion was previously a road way, ie not previously footpath, now road – the new slip lane is partially over exiting carriageway and partially over existing verge
3. What is the AC/ pavement depth? – the total pavement depth is 630 mm (this comprises of 2 x 50 mm layers of asphalt, 1 x 180 mm layer of asphalt and 350 mm of gravel)
4. IS this the area where the 11kV cable was hit and repaired by Energex or the area where the unidentified conduit was hit? – this is where the 11kV cable was struck

Thanks

personal

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Wednesday, 18 August 2021 9:39 AM
To: personal <personal@energex.com.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

personal

Thanks very much for the chat.

As you're aware and as discussed, there are a number of emails flying around regarding the 11kV Energex conduits / cables which were struck beneath the Logan Road / Compton Road left-turn slip lane – adjacent to the existing substation.

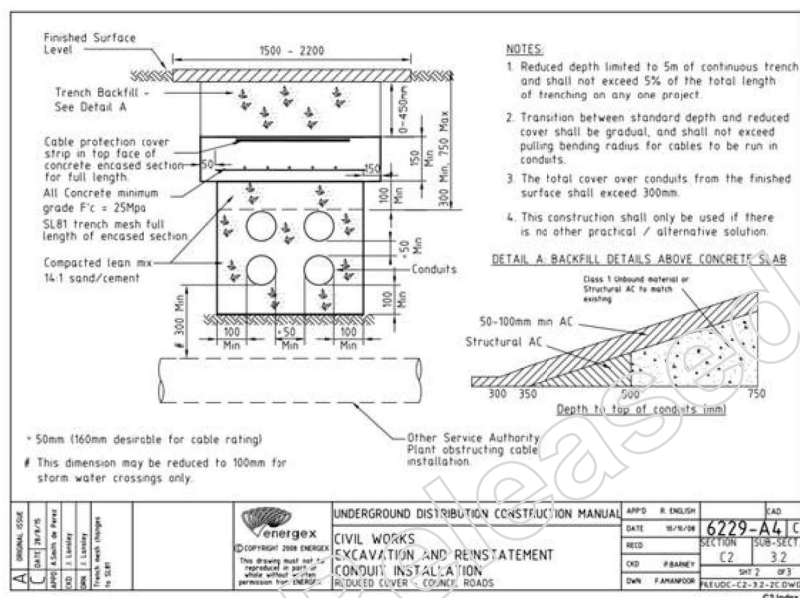
Jacobs have prepared the attached long section, which shows the ultimate residual cover for the full length of the Energex alignment beneath Compton Road – and have clouded the area where the ultimate residual cover was 'on the cusp' of Energex's minimum cover requirements under a Logan City Council road.

You'll note that the minimum cover will ultimately be 737 mm, quickly increasing on either side to >800mm.

We're hoping you're able to help us out by having some discussions internally (and with other relevant parties), to determine the most appropriate course of action.

Based on our discussion, TMR and BHJV would be happy to proceed with any of the following options:

1. Construct a concrete protection slab in accordance with the Energex standard detail below, for full width of the slip lane (approximately 11 m)
2. Construct a concrete protection slab in accordance with the Energex standard detail below, for the shallowest 5 m section
3. Construct the pavement box immediately above the existing conduits (approximately 750 mm deep) installing the hard cover strip only, without the concrete protection slab



If you could please confirm which of the above options is the most acceptable to Energex, TMR will direct BHJV asap to resolve / finalise the issue.

Feel free to give me a call if you have any questions or require additional information.

Kind regards

Michael

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211

M: NR

P: 5563 6437

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Released under RTI - DTMR

From: Matthew X Kelly
Sent: Monday, 30 August 2021 9:47 AM
To: [redacted] personal
Cc: Michael Z Kavourakis; ws2sd
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment
Attachments: ENERGEX SERVICE PROTECTION STRUCTURE AT COMPTON RD – Rev B.pdf

Categories: DMS

Gents,

Find attached reinforcement and dimensional details for the Energex protection slab at the Logan/Compton slip lane.

Please instruct BHJV to construct using these details noting the following:

- 1) Footing width dimension 'X' to be minimised based on actual bearing capacity observed on site. A series of widths have been provided as per the final page of notes.

Could you also confirm the following in response as part of this process:

- That 900mm clear span (or less) can be achieved for the entire length between CH. 48.000 and 54.000
- Confirm the final distance from edge of footing to the water main for advice to Logan Water.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Matthew X Kelly
Sent: Wednesday, 25 August 2021 12:14 PM
To: [redacted] personal k@driveengineering.com.au
Cc: [redacted] personal @driveengineering.com.au; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: FW: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

H[redacted]personal

Please see below email from Energex endorsing the instructed course of action (as attached) to protect the 11 kV service at the Compton Rd slip lane in order to keep the program moving.

Could you please ensure the inspectors take photographs of the slab during and after construction as Energex have requested.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211

(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [redacted] <[redacted]@energyq.com.au>
Sent: Tuesday, 24 August 2021 5:10 PM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; [redacted] <[redacted]@energyq.com.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

Yep, im happy to proceed with the below including highlighted note.

As noted aware we are still awaiting a response from our standards team and I think the below is a good course of action to make safe pending the decision. Please document and take photo's of protection slab once constructed.

Thanks

[redacted] personal

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Tuesday, 24 August 2021 4:37 PM
To: [redacted] <[redacted]@energyq.com.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [redacted] personal

Thanks again for sending through the detail below.

As discussed earlier, to mitigate the risk of any ongoing delay to TMR's contractor proceeding with the pavement construction activities at Compton Road – we are proposing to install the protection slab detail in accordance with Energex Standard Drawing 6229-A4 C2-3.2 (attached PDF version and excerpt below) – in anticipation of the decision from Energex's standards team.

Based upon the attached long section, and Note 2 on the standard drawing – can you foresee any issues with TMR's proposed approach to install the protection slab detail for the extent between CH. 48.000 and 54.000 only?

Feel free to give me a call to discuss if required.

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M: [redacted]
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
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Crossing at
traffic lights?



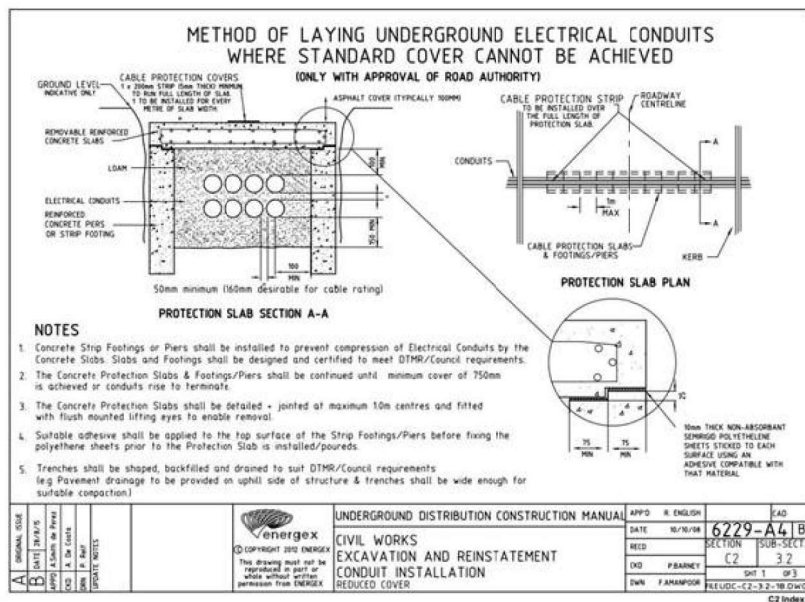
Don't touch the button,
elbow bump it instead!



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Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

FYI, there is another probably more applicable shallow conduit drawing from our manual in which I think (if any) will be approved for this application. The one we previously used is more for avoiding obstacles such as sewer main and should only be used for 5m max. The one in this email is more for trucks running over conduits due to road boxing etc



Thanks
[redacted] personal [redacted]

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Monday, 23 August 2021 8:00 AM
To: [redacted] personal [redacted]@energyq.com.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

No worries mate.

Michael Kavourakis
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Still awaiting a response sorry Kav. Our standards department are now involved...

Thanks

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From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>

Sent: Thursday, 19 August 2021 10:27 AM

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Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

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Answers to the queries below in blue.

Based on these responses, what chance do you think we are of getting a resolution today?

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Thanks

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Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>

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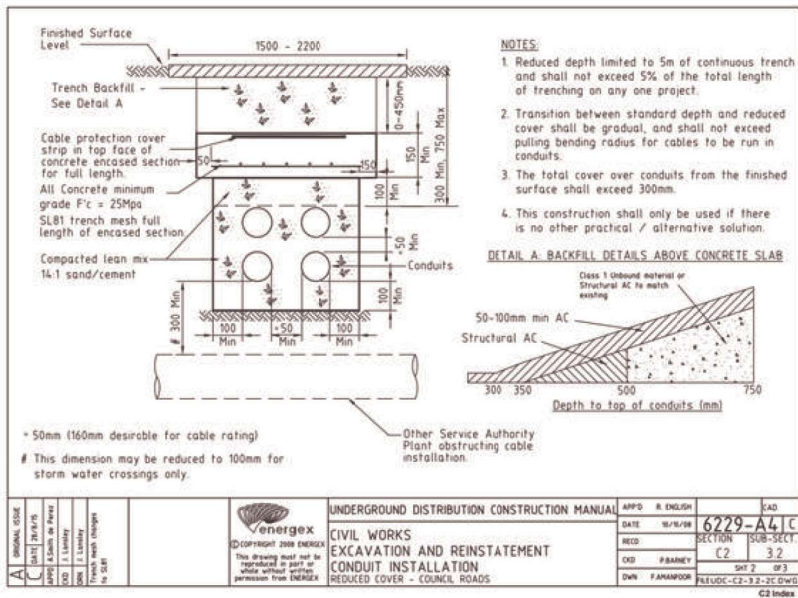
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You'll note that the minimum cover will ultimately be 737 mm, quickly increasing on either side to >800mm.

We're hoping you're able to help us out by having some discussions internally (personal information others), to determine the most appropriate course of action.

Based on our discussion, TMR and BHJV would be happy to proceed with any of the following options:

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2. Construct a concrete protection slab in accordance with the Energex standard detail below, for the shallowest 5 m section
3. Construct the pavement box immediately above the existing conduits (approximately 750 mm deep) installing the hard cover strip only, without the concrete protection slab



If you could please confirm which of the above options is the most acceptable to Energex, TMR will direct BHJV asap to resolve / finalise the issue.

Feel free to give me a call if you have any questions or require additional information.

Kind regards

Michael

Michael Kavourakis

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Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

PO Box 442 | Nerang QLD 4211

M: **NR**

P: 5563 6437

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- Attach this email as an attachment and click on send

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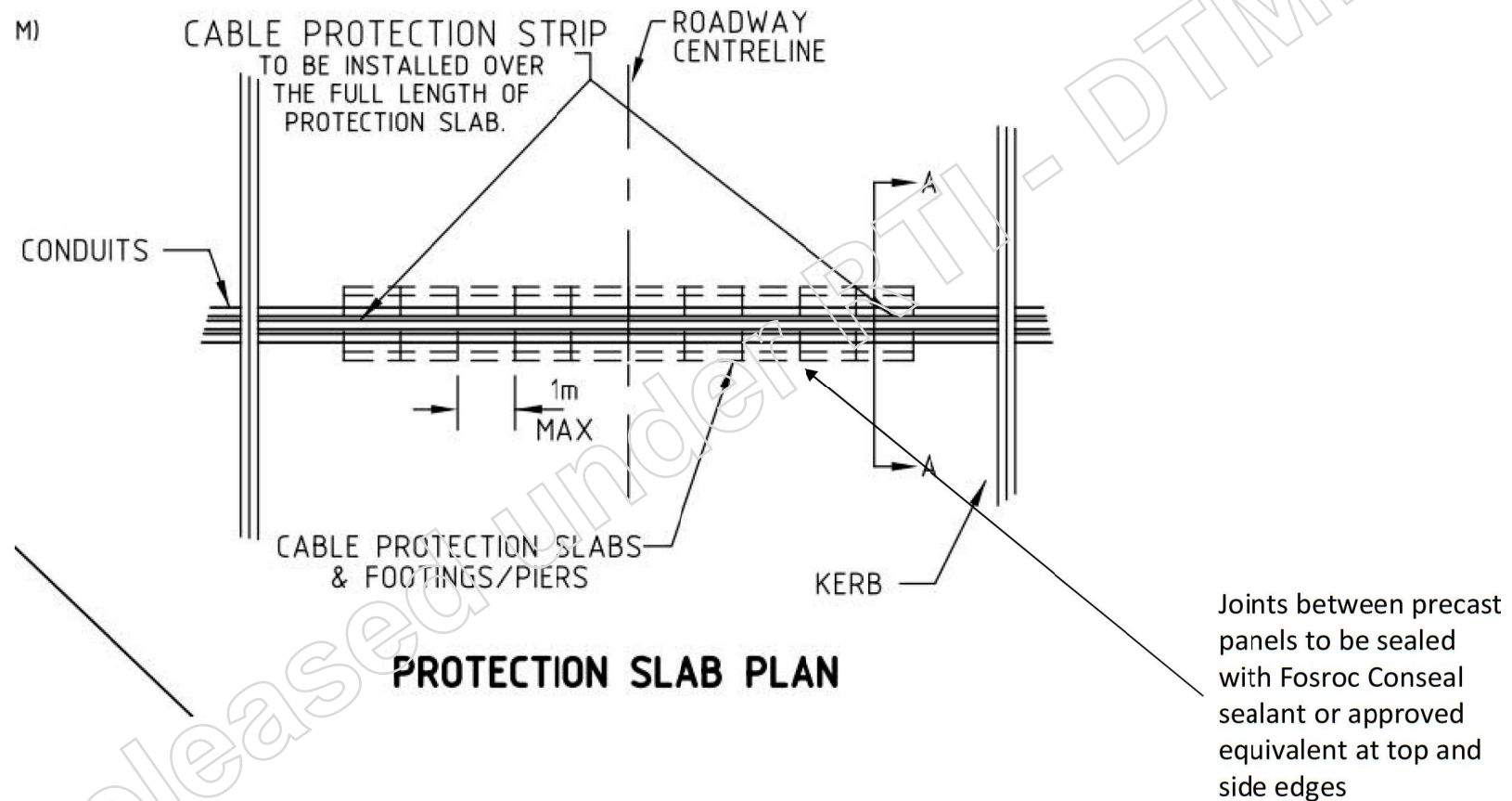
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ENERGEX SERVICE PROTECTION STRUCTURE AT COMPTON RD – PLAN

DRAFT

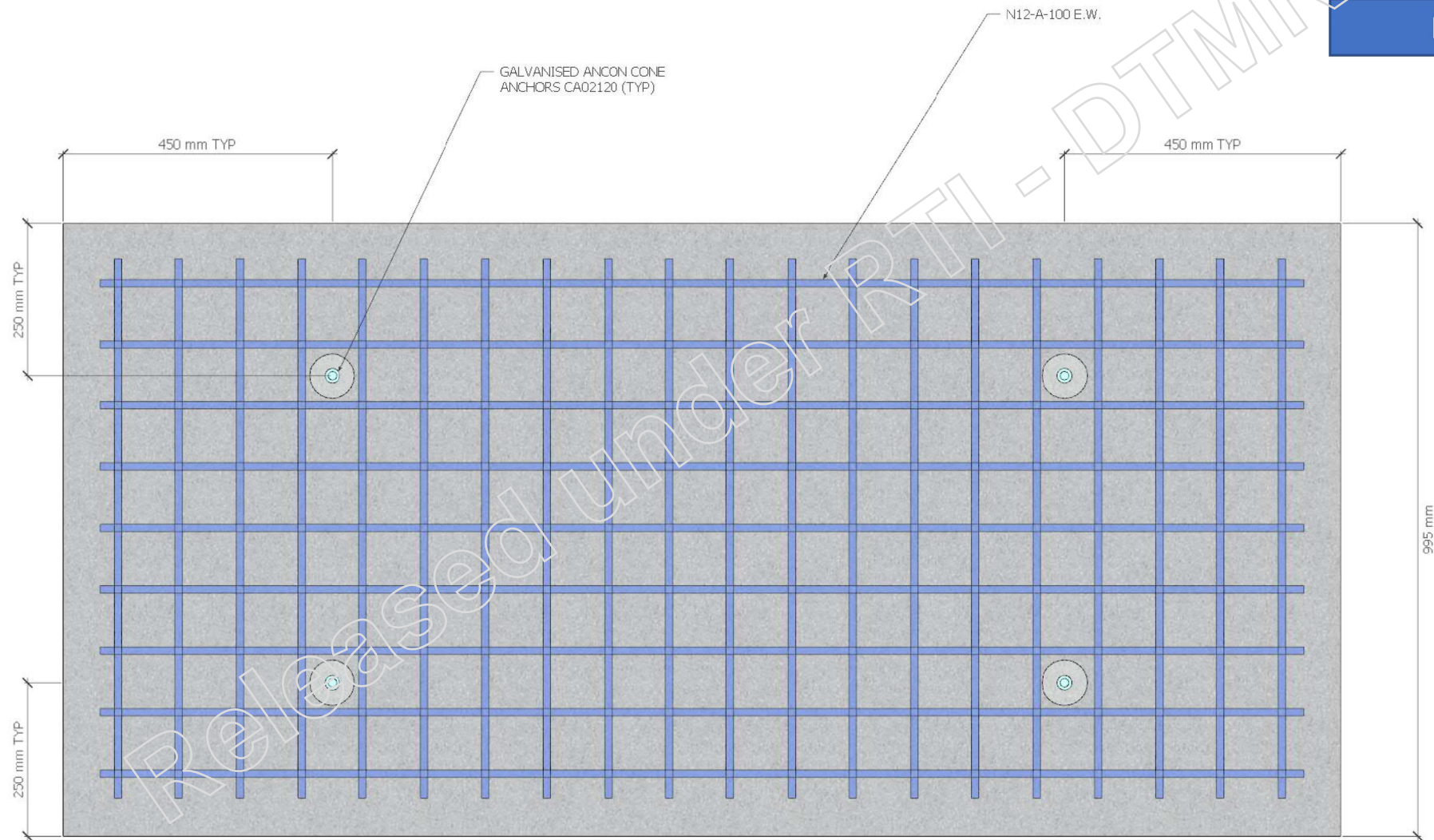


DRAFT



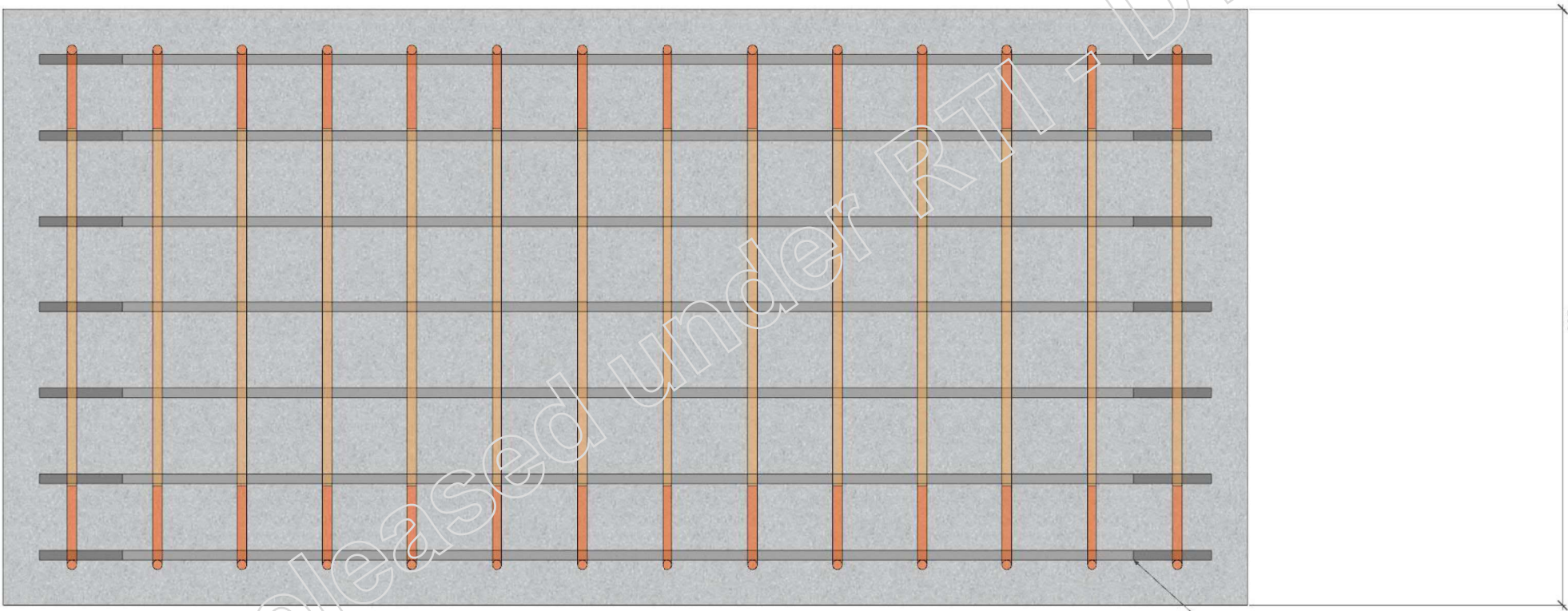
REMOVABLE SLAB PANELS - TOP SURFACE REO AND LIFTING ANCHORS

DRAFT



REMOVABLE SLAB PANELS - BOTTOM SURFACE REO

DRAFT



N16-C-150 E.W.



NOTES

DRAFT

CONCRETE AND DURABILITY REQUIREMENTS

- All concrete work shall be in accordance with MRTS70.
- Exposure Classification, concrete class and cover to be as follows:

ELEMENT	EXPOSURE CLASSIFICATION	STRENGTH F'C (MPa)	MAX. AGGREGATE SIZE (mm)	REINFORCEMENT COVER (mm)
Base Slab	B2	S40	20	60 topside 70 underside
Deck Slab	B2	S40	20	60
Blinding Concrete	—	N20	20	—

NOTE:

- The class designated specifies the required characteristic cylinder strength at 28 days (MPa).

OTHER:

- All exposed edges to have 19x19 chamfers
- Reinforcing steel to be read in conjunction with TMR standard drawings 1043 and 1044.

DESIGN LOADS

- Design loads have been determined in accordance with AS 1170 and AS 5100 using the following parameters:

Traffic Loading	W80, A160, SM1600 (AS5100.2)
Concrete Unit-weight	$24.5 \text{ kN/m}^3 + 0.6 \text{ kN/m}^3$ for each 1% of steel reinforcement
Dynamic Load Allowance	In accordance with AS5100.2 – 2017 Table 7.7.2
Soil Unit Weight	22 kN/m ³

FOUNDATION REQUIREMENTS:

- Required foundation conditions are to achieve a minimum allowable bearing capacity as shown below.

X' - Footing Width	Minimum Allowable Bearing Capacity
600 mm	118 kPa
550 mm	126 kPa
500 mm	136 kPa
450 mm	147 kPa
400 mm	162 kPa
350 mm	181 kPa
300 mm	206 kPa

Matthew X Kelly

From: [redacted] personal [redacted]@driveengineering.com.au>
Sent: Monday, 30 August 2021 9:49 AM
To: Matthew X Kelly
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Thanks Matt

I'll get onto BHJV with the details.

Cheers

[redacted] personal

[redacted] personal

ADMINISTRATOR
BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)

Mobile: NR [redacted] Email: [redacted] personal [redacted]@driveengineering.com.au



DRIVE
ENGINEERING PTY LTD
ABN 55 152 420 936

From: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Sent: Monday, 30 August 2021 9:47 AM
To: [redacted] personal [redacted]@driveengineering.com.au>; [redacted] personal [redacted]@driveengineering.com.au>
Cc: Michael Z Kavourakis <michael.z.kavourakis@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Gents,

Find attached reinforcement and dimensional details for the Energex protection slab at the Logan/Compton slip lane.

Please instruct BHJV to construct using these details noting the following:

- 1) Footing width dimension 'X' to be minimised based on actual bearing capacity observed on site. A series of widths have been provided as per the final page of notes.

Could you also confirm the following in response as part of this process:

- That 900mm clear span (or less) can be achieved for the entire length between CH. 48.000 and 54.000
- Confirm the final distance from edge of footing to the water main for advice to Logan Water.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434

matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: Matthew X Kelly

Sent: Wednesday, 25 August 2021 12:14 PM

To: [personal] <[personal]@driveengineering.com.au>

Cc: [personal] <[personal]@driveengineering.com.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>

Subject: FW: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [personal]

Please see below email from Energex endorsing the instructed course of action (as attached) to protect the 11 kV service at the Compton Rd slip lane in order to keep the program moving.

Could you please ensure the inspectors take photographs of the slab during and after construction as Energex have requested.

Kind Regards

Matt Kelly

Principal Engineer (Civil)

South Coast Region/ Eight Mile Plains Office

Program Delivery and Operations | Department of Transport and Main Roads

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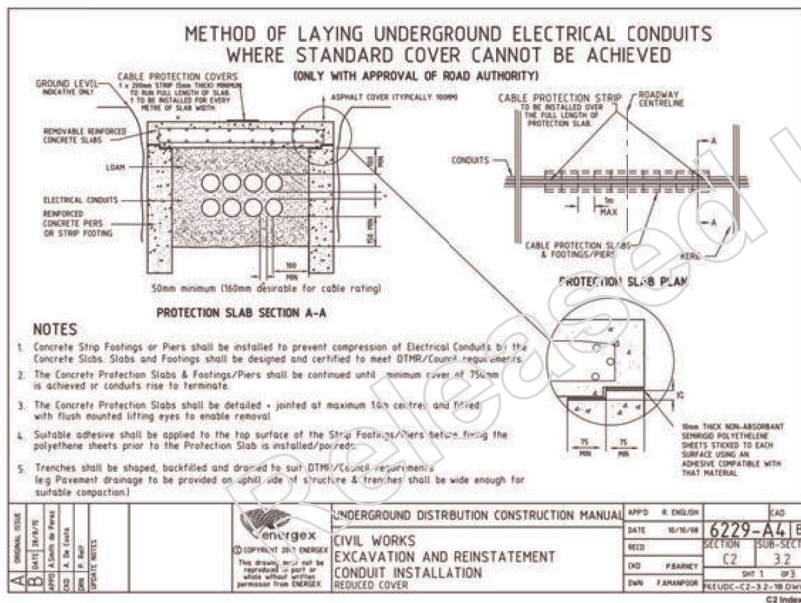
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2. Construct a concrete protection slab in accordance with the Energex standard detail below, for the shallowest 5 m section
3. Construct the pavement box immediately above the existing conduits (approximately 750 mm deep) installing the hard cover strip only, without the concrete protection slab

To submit this email as SPAM:

- In your Email Client (e.g. Outlook) create a new email addressed to email-feedback@forcepoint.com
- Attach this email as an attachment and click on send

This email message (including any file attachments transmitted with it) is for the sole use of the intended recipient(s) and may contain confidential and legally privileged information. Any unauthorised review, use, alteration, disclosure or distribution of this email (including any attachments) by an unintended recipient is prohibited. If you have received this email in error, please notify the sender by return email and destroy all copies of the original message. Any confidential or legal professional privilege is not waived or lost by any mistaken delivery of the email. Energy Queensland Limited accepts no responsibility for the content of any email which is sent by an employee which is of a personal nature.

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Level 6, 420 Flinders Street Townsville QLD 4810
(07) 4766 2900

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To submit this email as SPAM:

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Sender Details:

Energy Queensland Limited
Level 6, 420 Flinders Street Townsville QLD 4810
(07) 4766 2900

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ws2sd

From: [personal]@driveengineering.com.au>
Sent: Monday, 30 August 2021 10:14 AM
To: [personal]
Cc: ws2sd; [personal]
Subject: RE: WS2SD - Compton Road - Energex Protection Slab Detail - Proposed Variation
Attachments: ENERGEX SERVICE PROTECTION STRUCTURE AT COMPTON RD – Rev B.pdf

Importance: High

Categories: DMS

Hi [personal]

Following on from my previous correspondence, TMR have provided the attached design detail for the removable reinforced concrete cover.

Could you please proceed with construction based on this detail, noting the following:

- 1) Footing width dimension 'X' to be minimised based on actual bearing capacity observed on site. A series of widths have been provided as per the final page of notes.

Could you also confirm the following in response as part of this process:

- That 900mm clear span (or less) can be achieved for the entire length between CH. 48.000 and 54.000
- Confirm the final distance from edge of footing to the water main for advice to Logan Water.

Please let me know if you need any further details before proceeding with the works.

Cheers

[personal]



From: [personal]
Sent: Wednesday, 25 August 2021 8:51 AM
To: [personal]@bhjv.com.au>
Cc: ws2sd <ws2sd@tmr.qld.gov.au> [personal information] [personal]@driveengineering.com.au>
Subject: WS2SD - Compton Road - Energex Protection Slab Detail - Proposed Variation
Importance: High

Hi [personal]

As discussed, The Energex Conduits at the Corner of Compton and Logan Road will require concrete protection where the minimum depth of cover cannot be achieved. I have attached a copy of the Energex Standard detail that will be required together with the approximate location of the required slab.

Following discussions with TMR and Energex, and under Clause 40.1 of the General Conditions of Contract, I propose the following variation for your consideration:

1. Installation of protection slab in accordance with Energex Standard Drawing 6229-A4 (attached).
2. Length of slab to be determined on site, based on extent of substandard cover. We anticipate that the extent of protection will be approximately 6 or 7 metres from the new kerb – however it might be safer to wait for confirmation from personal information at Energex before determining exact lengths.
3. TMR to provide structural detail for removable reinforced concrete cover.
4. Detailed as-constructed records, including QA and photos, to be provided for future discussions with Energex.

In accordance with Clause 40.2 could you please advise the following.

- i. the effect which the Contractor anticipates that the variation will have on the Construction Program and time for Practical Completion; and
- ii. provide a realistic estimate of the cost (including delay costs, if any) of the proposed variation including whether the works can be covered by existing scheduled items; and
- iii. provide supporting document to substantiate the estimated cost and time impacts including an updated Current Program clearly showing the time impacts of the proposed variations, supplier quotations, measurements and any other relevant evidence of costs.

Please let me know if you need more information/ clarification.

Cheers

personal

personal

ADMINISTRATOR
BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)

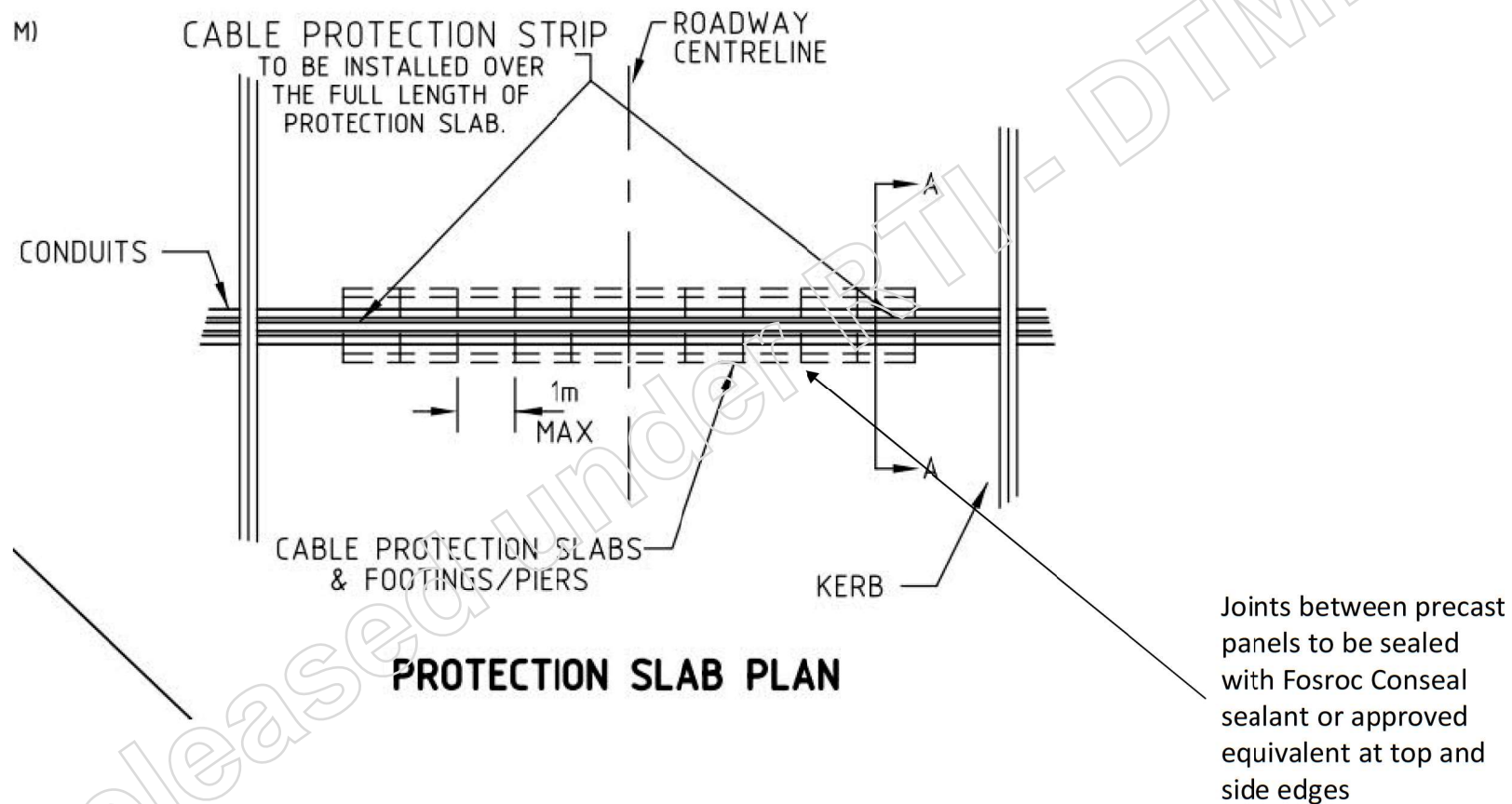
Mobile: NR Email: personal@driveengineering.com.au



DRIVE
ENGINEERING PTY LTD
ABN 55 152 420 936

ENERGEX SERVICE PROTECTION STRUCTURE AT COMPTON RD – PLAN

DRAFT

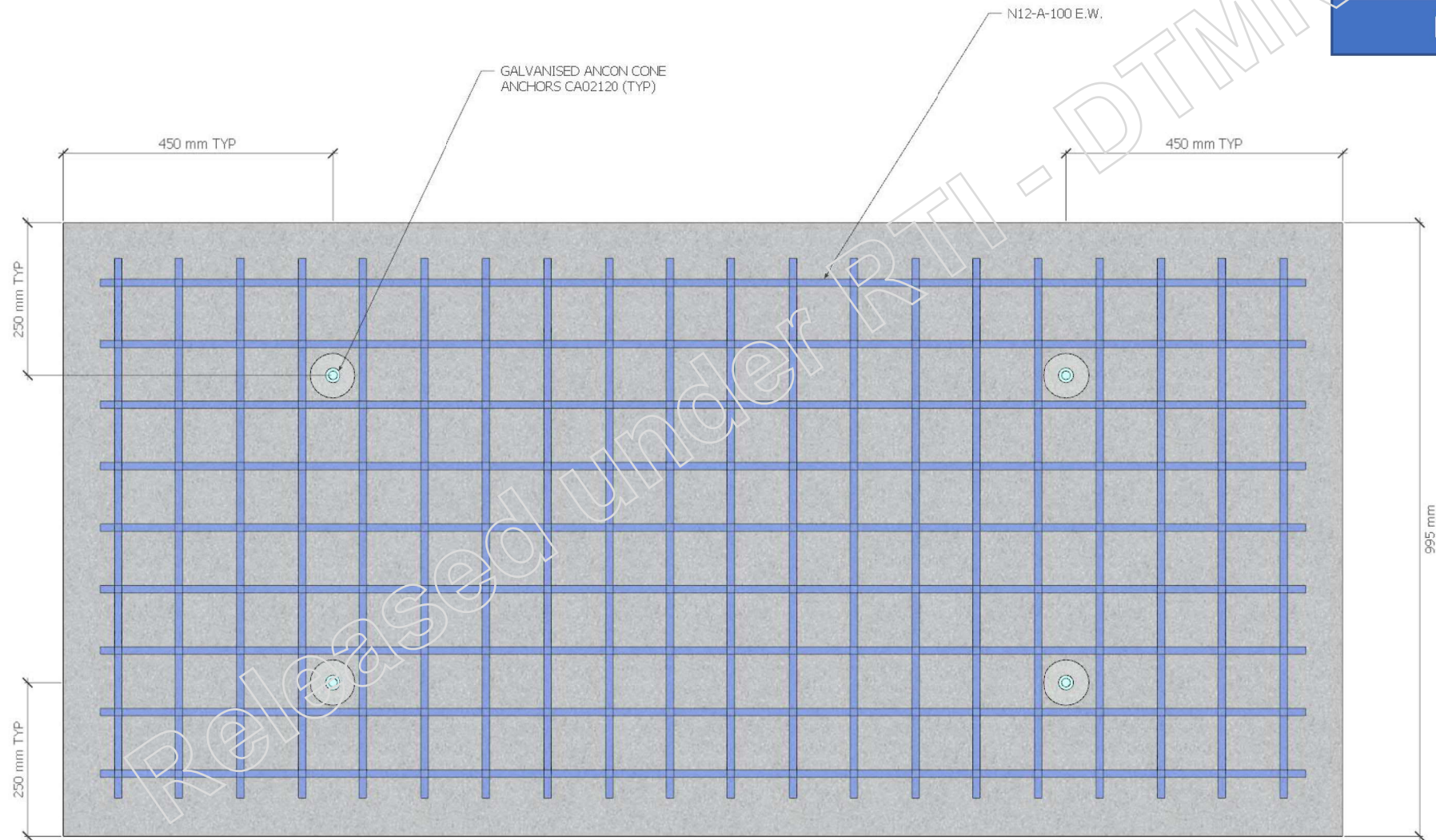


DRAFT



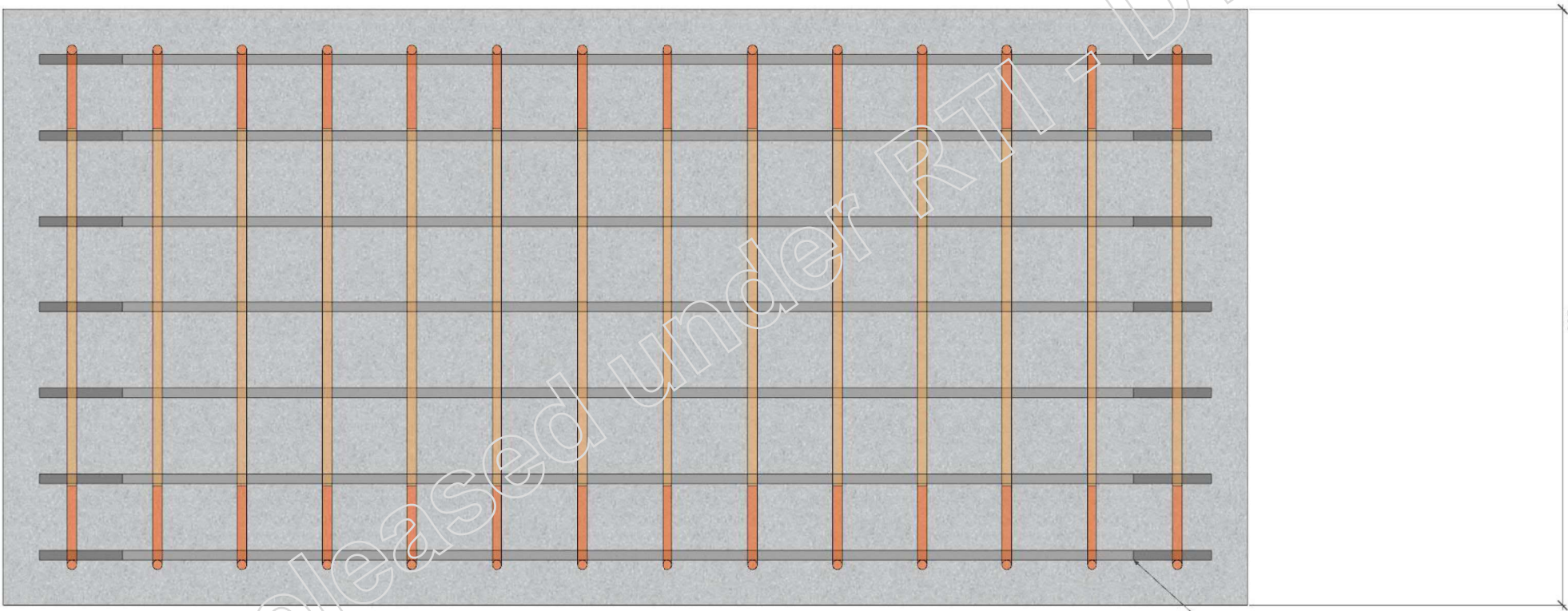
REMOVABLE SLAB PANELS - TOP SURFACE REO AND LIFTING ANCHORS

DRAFT



REMOVABLE SLAB PANELS - BOTTOM SURFACE REO

DRAFT



N16-C-150 E.W.

NOTES

DRAFT

CONCRETE AND DURABILITY REQUIREMENTS

- All concrete work shall be in accordance with MRTS70.
- Exposure Classification, concrete class and cover to be as follows:

ELEMENT	EXPOSURE CLASSIFICATION	STRENGTH F'C (MPa)	MAX. AGGREGATE SIZE (mm)	REINFORCEMENT COVER (mm)
Base Slab	B2	S40	20	60 topside 70 underside
Deck Slab	B2	S40	20	60
Blinding Concrete	—	N20	20	—

NOTE:

- The class designated specifies the required characteristic cylinder strength at 28 days (MPa).

OTHER:

- All exposed edges to have 19x19 chamfers
- Reinforcing steel to be read in conjunction with TMR standard drawings 1043 and 1044.

DESIGN LOADS

- Design loads have been determined in accordance with AS 1170 and AS 5100 using the following parameters:

Traffic Loading	W80, A160, SM1600 (AS5100.2)
Concrete Unit-weight	$24.5 \text{ kN/m}^3 + 0.6 \text{ kN/m}^3$ for each 1% of steel reinforcement
Dynamic Load Allowance	In accordance with AS5100.2 – 2017 Table 7.7.2
Soil Unit Weight	22 kN/m ³

FOUNDATION REQUIREMENTS:

- Required foundation conditions are to achieve a minimum allowable bearing capacity as shown below.

X' - Footing Width	Minimum Allowable Bearing Capacity
600 mm	118 kPa
550 mm	126 kPa
500 mm	136 kPa
450 mm	147 kPa
400 mm	162 kPa
350 mm	181 kPa
300 mm	206 kPa

Matthew X Kelly

From: [redacted] personal >jacobs.com>
Sent: Friday, 3 September 2021 8:33 AM
To: Matthew X Kelly
Cc: Michael Z Kavourakis; IH179200; [redacted] personal
Subject: WS2SD - Existing conduits underneath Logan and Compton Road - review of Energex protection slab detail
Attachments: Existing Conduit under L-T2A Pavement.pdf; 24012A4.3-JEG-1PU10-SKT-9002_01.pdf

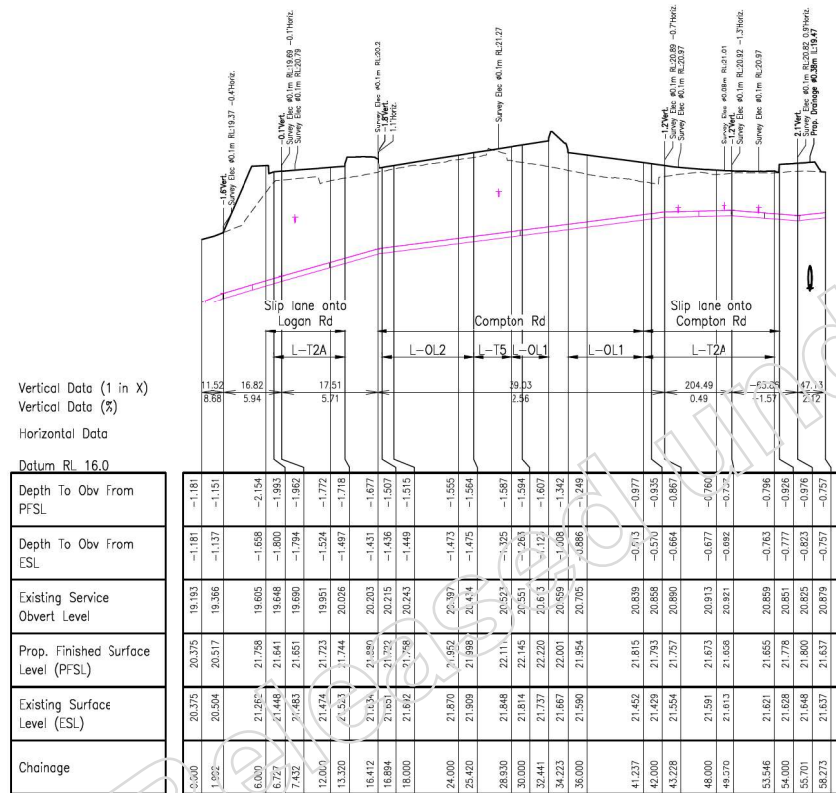
Matt,

In regard to the existing Energex conduits through the pavement widening of the Logan Road / Compton Road intersection:

- Based on the Longitudinal Section in Sketch 24012A4.3-JEG-1PU10-SKT-9002 attached there is a minor departure from the minimum 750mm cover criteria where only 737mm cover is achieved.
- Jacobs have reviewed the standard Energex drawing 6229-A4 as per the below which incorporates compacted lean mix within the trench with a concrete slab over.
- Assuming PN 12.5 conduits which are 3 wide and 2 rows high (6 total), leaving the conduits unprotected would fail nominated deflection criteria and minimum cover requirements
- Incorporation of the standard Energex detail will likely reduce the point loading on individual conduits by distribution through the slab to a point in which it would pass nominated deflection criteria
- This review has assumed a minimum 1.1m wide slab and that it would extend a minimum of 150mm on both sides of the excavated trench width onto competent material and extend over the trench across the entire slip lane
- If this slab were to be incorporated, the attached pavement detail (Option 2) would need to be incorporated to address crack mitigation potential.

Regards,

Locality of Underwood and Springwood



Longitudinal Section - Enerex - E-13 - 6xP100

Scale A (H)

Scale B (V)

Last Modified: Aug 17, 2021 - 12:21pm

Associated Job Nos		Survey Data		BRISBANE CITY AND LOGAN CITY		PUBLIC UTILITY PLANT		Queensland Government	
Auxiliary Drg Nos		GDA94		PACIFIC MOTORWAY (WATLAND STREET TO SPORTS DRIVE)		ENERGEX SECTIONS		Job No. 240/12A/4.3	
Height Datum		MGA (Zone 56)		CTL CHGE 0 TO 4150.258 (MC1B01)		COMPTON ROAD E-13		Contract No. CN-11843	
Survey Books		MR102526 05		Reference Points		ENGINEERING CERTIFICATION (RPEQ)		Drawing No. 01	
Revisions/Descriptions		Name or RPEQ No.		Signature		Date		Series Number	
01 Issued For Information		17.08.21							
02 Issued For Construction									
03 Issued For Construction									
04 Issued For Construction									
05 Issued For Construction									
06 Issued For Construction									
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Matthew X Kelly

From: [redacted]@bielby.com.au>
Sent: Tuesday, 21 September 2021 8:48 AM
To: Paul A Grant
Cc: Aindriu V Burch; Matthew X Kelly
Subject: RE: Incident close outs
Attachments: 040 - HP SS Notifiable Firal Short.pdf

Sorry Paul,

Service strike attached. Humes have been contacted again.

Thanks

[redacted]
personal

Safety Manager
Pacific Motorway Upgrade (M1) – SD2GM / WS2SD



Mobile – [redacted]
Email: [redacted]@bielby.com.au
www.bielby.com.au

From: Paul A Grant <Paul.A.Grant@tmr.qld.gov.au>
Sent: Tuesday, 21 September 2021 7:34 AM
To: [redacted]@bielby.com.au>
Cc: Aindriu V Burch <Aindriu.V.Burch@tmr.qld.gov.au>; matthew.x.kelly@tmr.qld.gov.au
Subject: RE: Incident close outs

Thanks for those but they are both the same report on the Franna but with different titles! Can you confirm that the comment 'investigation continues' was just an early report and that the report is now complete.

Please can you send me through the report on the bobcat incident? I will still need to close out the Humes incident. Please can you confirm that you have chased them today for this?

Regards

Paul A Grant

Regional Safety Advisor | South Coast Region

Program Delivery And Operations | Department of Transport and Main Roads

Ground Floor | Nerang TMC - 16-18 White St | Nerang Qld 4211]
PO Box 442 | Nerang Qld 4211]
P: (07) 55636594 | F: (07) 55636611
M: [redacted]
E: paul.a.grant@tmr.qld.gov.au
W: www.tmr.qld.gov.au

Event Report

Automated Form Number BHJV-WS2SD-Watland Street-FRM-2012-52

Project Name WS2SD

Section 1

Event Details

Event Registration Number 0977

Event Title WS2SD - High Voltage Service Strike

Event Date & Time Wed, 11 Aug 2021, 4:00 pm

Event Location Crompton and Logan Road South East Side

Report Prepared By personal

Event Category 02 - Safety

Event Type B. Near Hit (NH) - Dangerous Occurrence (DO)

Primary Party involved in Event Bielby

Personnel Involved

Name	Involvement Type	Position	Employer	Comments
personal	Involved	Supervisor	Bielby	
CTPI			K&W Dirtworx	
			Bielby	

Equipment Involved

Equipment Description	Asset Number / Plant ID	Asset Owner/Supplier	Make & Model	Rego	Damage / Failure Description
Skid steer	KWD	K&W Dirtworx	CAT 259d		N/A

Event Description

During excavation of a trench a skid steer with trenching attachment came into contact with a live 11kv High Voltage line. When the machine struck the line an arch occurred and power was lost to nearby residents and business for a period of four hours until temporary power was switched on by Energex. No injury was sustained to the operator however the operator was escorted to medical facility for precautionary examination.

Event reported to QWHS Notification No- Ref 82262

Immediate Actions Taken

Energex notified
 QWHS notified
 Area secured
 Power temporally reconnected
 QWHS take possession of site through non-disturbance notice
 Photos taken of scene
 Statements Obtained
 Investigation conducted by QWHS
 Prohibition issued to contractor for inspection of Skid Steer
 Prohibition issued to BHJV for excavation activity in the area
 Improvement Notice issued to BHJV for failure to follow SWMS
 Improvement Notice issued to BHJV for failure to communicate location of live services to operator
 Level 5 investigation commenced

Check 1.1

Is this Event a Report Only? If "Yes", please only sign the Event Report Only Approval Signature, there is no requirement to complete the balance of the Form. If "No", please sign both the Approval Signature's below and continue to fill out the Form.

Cost To Company

Labour Cost Estimate (\$)	Plant / Asset Damage (\$)	Material Costs (\$)	Other (Subcontractor Costs)
---------------------------	---------------------------	---------------------	-----------------------------

Labour Cost Estimate (\$)	Plant / Asset Damage (\$)	Material Costs (\$)	Other (Subcontractor Costs)
0	15000	0	0

Event Report Only Signature

NR

personal

Thu, 12 Aug 2021, 1:07 pm

Event Investigation Required Signature

NR

personal

Thu, 12 Aug 2021, 1:08 pm

Form Instruction

The following applies to populating the Workbook relevant to the nominated Actual / Potential Consequence below:

Level 1 & 2 - Complete Section 2 only

Level 3, 4 & 5 - Complete Sections 3 to 10 after Signing the Section 2 Approval Signatures to progress the Investigation

Actual / Potential Consequence

5

Section 2

The 5 Why's

The 5 Why's Table

Why	Question	Response
1		
2		
3		
4		
5		

Corrective Action Plan

Root Cause Category	Causal Factor	Recommended Corrective Action	Hierarchy of Control

Action Register

Date Raised	Actions Required	Action By	Due By	Sign-off	Evidence - Photo	Evidence - Attachment

Supporting Items Table

Item Description	Photo / Video	Attachments

Actions Closed Signature

Not signed yet.

Check 2.1

Is this Event a Level 1 or 2? If "Yes", please only sign the Level 1 & 2 Event Investigation Complete Approval Signature, there is no requirement to complete the balance of the Form. If "No", please sign both the Approval Signature's below and continue to fill out the Form.

No

Cost To Company

Labour Cost Estimate (\$)	Plant Damage Cost (\$)	Material Costs (\$)	Other (Subcontractor Costs)
0	15000	0	0

Quality Event Metrics

Conformance	Schedule Impact	Customer Satisfaction

Level 1 & 2 Event Prepared Signature

NR

Thu, 12 Aug 2021, 1:09 pm

Level 1 & 2 Event Investigation Complete Signature

NR

personal

Thu, 12 Aug 2021, 1:09 pm

Level 3 to 5 Investigation Required Signature

NR

Thu, 12 Aug 2021, 1:11 pm

Section 3

Investigation Team

Team Member

Name	Involvement Type	Position	Employer	Comments
personal	Other	Project Safety Manager	Bielby	
	Other	Lead Safety Coordinator	Bielby	

Section 4

Site Inspection

Record general notes relating to your inspection of the event scene. Consider such factors as environmental conditions, work front set up, presence of controls identified in BOP's and SWMS, locations of people and equipment and any other items considered relevant

Site Inspection Details

Inspection of site was undertaken the morning after the service strike at 0700hrs by personal personal information of QWHS. Area presented in a fair condition with no outstanding environmental or safety conditions that may have influenced the course of events. The newly placed pavement where the trenching was being conducted had clear access for machine to operate. There were no clear indications demarcating the location of HV underground services at the time of inspection. Weather conditions were fine and cool.

The Skid steer had been moved from the strike location as it was used to unblock a public pedestrian access that had been blocked with the skid steer bucket.

Section 5

Photographs, Video and Supporting Documentation

Prepare a photographic and (where relevant) videographic record of the event scene from multiple positions and angles.

Where dimensions may be important, include reference objects (i.e. tape measure) in material recorded.

For Lower level investigations include any relevant supporting documentation.

Supporting Items Table

Item Description	Photo / Video	Attachments
Day of event pre-start		Activity Pre-start 110821.pdf
Dirtworks SWMS		Dirtworx - Earthworks SWMS_signed.pdf
BHJV Excavation SWMS		Excavation SWMS BHJV.pdf
Communication of Notifiable event to QWHS		I-82262 - Incident Notification Record.pdf

Item Description	Photo / Video	Attachments
Non-disturbance Notice		Non-disturbance Notice.pdf
PTE		Permit to Excavate Short.pdf
Photos		Scene Photos.pdf
Plant approval sticker		Skidsteer Approval Sticker.pdf
Plant pre-start		Skidsteer Pre-Start.pdf
Focus Audit Excavations Gate 15		Focus Audit Excavations Gate 15.pdf
WHSQ Prohibition Notice		PN - Bielby Hull Joint Venture - S19(3)(c) - 11 August 2021.pdf
WHSQ Improvement Notice		IN - Bielby Hull Joint Venture - r300(1) - 12 August 2021.pdf
WHSQ Improvement Notice		IN - Bielby Hull Joint Venture - r304(3) - 12 August 2021.pdf
WHSQ Incident Notification		20210811 - WHSQ Incident Notification.PDF

Section 6

Interviews

Take a statement from all persons who were involved with or witness to the event using **FRM-2038 Event Statement and Interview**.

Interviews

Interviewee Name	Involvement Type	Attachment	Comments
personal	Involved	20210812 - Statement personal.pdf	
CTPI		CTPI	

Section 7

Assemble Factual Information

Gather all factual information relating to the event. Use the list below as a guide and use your judgement to determine what is necessary. Not all the below information will be relevant in all cases.

PEEPO Evidence - People

PEEPO Evidence Type	Details / Observations	Attached?	Attachment	Photo
Licenses and Tickets	Verified	No		
Training Records	Verified	No		
Medical Records		N/A		
VOC Records	Verified			
Fitness For Work		N/A		
Other		N/A		

PEEPO Evidence - Environment

PEEPO Evidence Type	Details / Observations	Attached?	Attachments	Photo
Weather conditions	Cool, dry and fine	N/A		
Enviro conditions (dust, noise, fumes etc)		N/A		
Workforce Congestion		N/A		
Housekeeping		N/A		
Ground Surface Conditions		N/A		
Other		N/A		

PEEPO Evidence - Equipment

PEEPO Evidence Type	Details / Observations	Attached?	Attachments	Photo
Equipment Pre-start Checks	Attached above	N/A		
Tools	Trencher inspected, slight damage sustained to tooth that contacted electrical cable	N/A		
Signage	No signage to indicate HV underground services	N/A		



PEEPO Evidence Type	Details / Observations	Attached?	Attachments	Photo
Barricades	No barricade to indicate underground services	N/A		
PPE (as per procedures)		N/A		
Other		N/A		

PEEPO Evidence - Process

PEEPO Evidence Type	Details / Observations	Attached?	Attachments	Photo
SWMS	Attached above	N/A		
BOP's		N/A		
Activity Prestart	Attached above	N/A		
Permit To Excavate	Attached above	N/A		
Plant Risk Assessment		N/A		
Audits/Inspections		N/A		
Other Documents		N/A		

PEEPO Evidence - Organisation

PEEPO Evidence Type	Details / Observations	Attached?	Attachments	Photo
Supervision	Supervisor appointed to area and present at time of event	N/A		
Incident Trends	High potential Near Miss involving same Supervisor working around HV services underground occurred 6/07/2021 (EVT # 0938)	N/A		
Quality of Activity Prestart?	Good	N/A		
Risk control measures in place?	SWMS, PTE issued for task	N/A		

PEEPO Evidence Type	Details / Observations	Attached?	Attachments	Photo
Have scheduled audits and inspections been conducted? (SBO's, Site Audits, Plant Audits, etc)	Excavation Focus Audit completed on area 30/07/21 by the Supervisor, attached	N/A		
Other Documents		N/A		

Section 8

Event Timeline

Section 8 Notes

Determine the sequence of events. Using the collected information, determine the sequence of events, by completing **FRM-2039 Event Timeline**.

- (a) Date/Time - Enter the date & time of the event in these columns
- (b) Event Description - Enter a description of the event in this column. E.g. *The operator commenced excavating the trench.*
- (c) Comments - Enter any other relevant information related to the event in this column. E.g. *Permit to Excavate was in place.*

Event Timeline

Timeline FRM-2039 Completed?	Timeline Attachment (Number sequentially (1,2,3etc))

Section 9

Root Cause Analysis

Section 9 Notes

Determine Causal Factors and Root Causes.

(a) Based on the information collected and timeline developed, identify the causal factors that have contributed to the event occurring.

Causal factors are 'mistakes' (i.e. who did what wrong) or 'failures' (i.e. what went wrong) that, if corrected, would likely prevent the event or significantly lessen its consequences. The table overleaf provides a series of definitions which will assist.

(b) Once the causal factors are identified, use the 5 Whys to determine the associated root cause.

Root Causes are the most basic cause that can be reasonably identified that management has control to fix, and when fixed will prevent the problem recurring.

Check 9.1 Equipment

Did the equipment break, wear out or fail due to a bad part, bad design or inadequate preventative maintenance? If yes, ask was the equipment:

NA

Causal Factors - Equipment

Causal Factor	Response	Comments
Readily available?	N/A	
In proper working order?	N/A	
Suitable for the physical needs of the person?	N/A	
Capable of performing the expected task?	N/A	
Designed to specification?	N/A	
Constructed without defect?	N/A	
Damaged during storage or handling?	N/A	
Deteriorated, corroded or defective due to excessive use, misuse and/or abuse?	N/A	
Fitted with necessary warning systems, guards and controls?	N/A	
Other (Provide details)	N/A	

Check 9.2 Procedures

Would performance have improved with a written step-by-step description of how a particular task is to be performed (e.g. BOP or SWMS)? If yes, ask:

Yes

Causal Factors - Procedures

Causal Factor	Response	Comments
Was there a written procedure for the task?	Yes	SWMS-201 Excavations.
Was it obtained, read and understood?	Yes	
Was it technically accurate?	Yes	
Was it clear and current?	Yes	
Was it followed correctly or incorrectly?	No	Not followed correctly - Requirement to pothole and positively identify services when working within 2.5m was not completed - refer 'Potholing for and working near Underground Electric Cable' section

Causal Factor	Response	Comments
Was it encouraged or enforced?	No	No not enforced - Supervisor did not enforce requirement to 'pothole' underground electrical cables.
Was an error / mistake made whilst following it?	Yes	Error made whilst following - Requirement to pothole and positively identify services was not completed
Other (Provide details)	N/A	

Check 9.3 Communications

Did a communications error, lack of communications between people performing work including misunderstandings or poor handover contribute to the problem? If yes, ask:

Yes

Causal Factors - Communications

Causal Factor	Response	Comments
Were instructions, information or feedback misunderstood or misinterpreted?	No	
Was there a system of communication?	Yes	
Was their an Activity Prestart and was it adequate?	Yes	
Was there a lack of or ineffective communication?	Yes	Ineffective communication - Supervisor did not ensure the content of the Permit relating to the underground services were provided to the Operator engaged to complete excavation/trenching work.
Was communication less than timely?	Yes	Communication was not timely - Operator signed onto Permit approx. 16 minutes post the incident.
Was work or shift handover between people missing or inadequate?	No	
Other (Provide details)	N/A	

Check 9.4 Work Direction

Was a problem caused by inadequate or lack of job preparation or worker(s) being incapable of performing their assigned task? If yes, ask:

Yes

Causal Factors - Work Direction

Causal Factor	Response	Comments
---------------	----------	----------

Causal Factor	Response	Comments
Was an issue caused by inadequate or lack of preparation? E.g. BOP's, procurement, etc.	Yes	Inadequate or lack of preparation - Supervisor did not ensure the content of the Permit relating to the underground services were provided to the Operator engaged to complete excavation/trenching work.
Was the BOP, permit or SWMS inadequate?	No	
Did the scheduling result in excessive overtime or workload?	N/A	
Was an issue caused by the workers selected being physically or mentally incapable or impaired from performing their assigned task?	N/A	
Did lack of or poor team work cause the issue?	Yes	CTPI
Was the issue as a result of a lack of or inadequate level of supervision?	N/A	
Other (Provide details)	N/A	

Check 9.5 Training

Should the person have had better training to understand the task, develop the skill needed, or maintain the knowledge and skills needed to successfully complete the task? If yes, ask: NA

Causal Factors - Training

Causal Factor	Response	Comments
Was no training given where it should have been?	N/A	
Was no training offered?	N/A	
Was the person allowed to pass the training without verifying competence?	N/A	
Was training presentation or content inadequate?	N/A	
Was re-training not completed or insufficient?	N/A	

Causal Factor	Response	Comments
Other (Provide details)	N/A	

Check 9.6 Human Factors Engineering Did the layout / design of the work environment contribute to the problem? If yes, ask: NA

Causal Factors - Human Factors Engineering

Causal Factor	Response	Comments
Was lighting, noise, temperature, ventilation or equipment a factor?	N/A	
Was the path of vision blocked or work area congested or cramped?	N/A	
Did poor housekeeping contribute to the issue?	N/A	
Did the person need better tools, alarms, displays or controls to successfully perform the work?	N/A	
Did the task require excessive or repetitive lifting?	N/A	
Was the system excessively complex, hard to understand or require people to monitor too many items or variables at one time?	N/A	
Other (Provide details)	N/A	

Check 9.7 Management System Could a problem have been prevented by better standards, policies or administrative controls such as procedures, standardised work practices or rules? If yes, ask: NA

Causal Factors - Management System

Causal Factor	Response	Comments
Was a standard, policy or administrative control absent, or in place but not strict enough, confusing, unclear or technically incorrect?	N/A	
Was it adequately communicated, able to be implemented, and enforced?	N/A	

Causal Factor	Response	Comments
Was an issue caused by failure to provide adequate corrective actions for known malfunctions or deficiencies?	N/A	
Was an issue not detected and corrected by an adequate audit program and evaluation program?	N/A	
Other (Provide Details)	N/A	

Section 10

Corrective Actions

Section 10 Notes

Corrective Actions - List all the Causal Factors from Step 7. List realistic preventative actions that address each root cause.

Consider the hierarchy of controls (elimination, substitution, isolation, engineering, administration, PPE).

A good corrective action will be higher than administration and PPE and should give confidence that recurrence will be prevented.

Corrective Action Plan

Root Cause Category	Causal Factor	Recommended Corrective Action	Hierarchy of Control
Procedures	Requirement to pothole and positively identify services when working within 2.5m was not completed - refer 'Potholing for and working near Underground Electric Cable' section	Just Culture process to be completed with the Supervisor for not ensuring the controls detailed in SWMS-201 section 'Potholing for and working near Underground Electric Cables' were implement	Administration
Communications	Supervisor did not ensure the content of the Permit relating to the underground services were provided to the Operator of the trencher	Just Culture process to be completed with the Supervisor for not providing essential information relating to underground services to the person required to complete the excavation work (i.e. Operator)	Administration
Work Direction	CTPI		Administration

Action Register

Date Raised	Actions Required	Action By	Due By	Sign - Off	Evidence - Photo	Evidence - Attachment
Fri, 13 Aug 2021	Just Culture process to be completed with the Supervisor for not ensuring the controls detailed in SWMS-201 section 'Potholing for and working near Underground Electric Cables' were implement	personal	Fri, 24 Sep 2021			
Fri, 13 Aug 2021	Just Culture process to be completed with the Supervisor for not providing essential information relating to underground services to the person required to complete the excavation work (i.e. Operator)	personal	Fri, 24 Sep 2021			
Fri, 13 Aug 2021	CTPI		Fri, 27 Aug 2021			

Actions Closed Signature

Not signed yet.

Section 11

Executive Summary

Discussion & Conclusion

This incident had the potential to cause significant injury or fatality for those directly involved and in the immediate vicinity due to the high voltage (11KV) of the electrical cable. The electrical cable contact, and subsequent activation of the asset safety device (breaker), impacted the local traffic services, adjacent businesses and residents until such time the asset owner was able to isolate and provide a 'back feed' into the area to allow those impacted to be able to resume normal operations and activities. The investigation identified that the risk assessment tools (i.e. SWMS for Excavations and Excavation & Ground Disturbance Permit) were in place and detailed all the applicable hazards associated with underground electrical cables and the controls to manage. Whilst the risk assessment tools detailed all the required information for the task, the lack of implementation of the processes and controls by those responsible meant that the cables were able to be contacted. The two main issues in allowing this incident to occur were:

1. Failure to put in place arrangements for ensuring that high risk construction work is carried out in accordance with the safe work method statement
2. Failure to provide current underground essential services information to the person engaged (the Operator) to carry out the excavation work

The WHSQ Inspector who attended and reviewed the incident, deemed in both cases, that BHJV were in breach of legislation and their duties as the 'Person with management or control' and subsequent infringement notices were issued. If either of the identified issues had been addressed by those responsible for the work then the incident would not have occurred.

Check 11.1 Is an Executive Presentation Required? Yes : Will be reviewed as part of monthly Corporate Safety Meeting

Executive Presentation Table

Item Description	Attachment	Photo / Video

Section 12

Management Review & Approval

Distribute the completed Event Report to the Project Manager, Construction Manager and Safety Manager for review and approval.

Review Table

Position	Name	Review Comments	Review Date	Signature
Prepared By	personal	Just Culture Process actions relating to the Supervisor have been extended due to Supervisor suffering a medical condition and being unable to attend work until 15/09/21 (date stated on current medical certificate). Extended the action for the LH out to 27/08/21 to allow ongoing discussions.	Thu, 19 Aug 2021	personal NR Thu, 19 Aug 2021, 10:40 am

Position	Name	Review Comments	Review Date	Signature
Safety Manager	personal		Mon, 23 Aug 2021	personal NR Mon, 23 Aug 2021, 7:55 am
Project Manager			Tue, 24 Aug 2021	personal NR Tue, 24 Aug 2021, 10:27 am
Other (If applicable)				
Director				

Section 13

Record Documents in Mango Database

- (a) Assemble all evidence documentation in a legible manner and append to this workbook
- (b) Prepare a pdf copy of the approved and signed Event Report named "[Event Number] Event Report"
- (c) Upload the file to the applicable event in Mango

Event Closed By Signature

NR
 personal
 Tue, 24 Aug 2021, 10:28 am

ws2sd

From: Matthew X Kelly
Sent: Wednesday, 22 September 2021 5:09 PM
To: [redacted] personal
Cc: [redacted] personal; Michael Z Kavourakis; ws2sd
Subject: FW: Compton Road - Service Protection Structure

Categories: DMS

Hi [redacted] personal

In response to [redacted] CTPI email, on the Energex protection structure, I have been advised that the issue with lifting up one of the support legs is that it starts to load the adjacent water main.

The two options to achieve the LCC requirement of 150mm clearance to the main are as below:

- 1) If 210kPa bearing pressure can be achieved, the leg of the structure next to the main can be narrowed as shown.
- 2) If the bearing capacity is only 150 kPa, Option 2 would need to be constructed.

Could you please check with BHJV which option can be achieved and we will reissue reinforcement details for the leg adjacent the water main.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [redacted] personal <[redacted]@jacobs.com>
Sent: Wednesday, 22 September 2021 4:54 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: FW: Compton Road - Service Protection Structure

Matt,

Some options presented by [redacted] personal information below which I would like to discuss further

Thanks

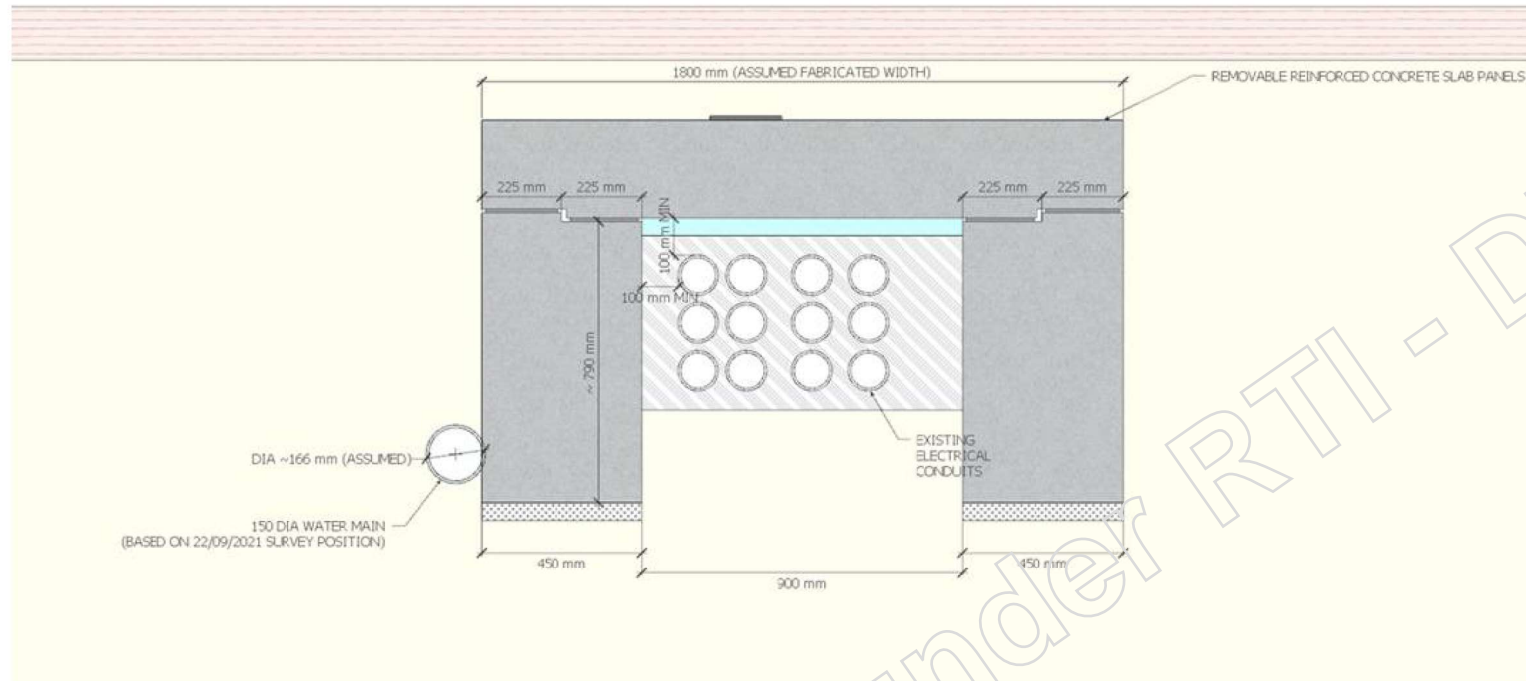
From: [redacted] personal <[redacted]@jacobs.com>
Sent: Wednesday, 22 September 2021 4:34 PM
To: [redacted] personal <[redacted]@jacobs.com>
Subject: Compton Road - Service Protection Structure

[redacted] personal

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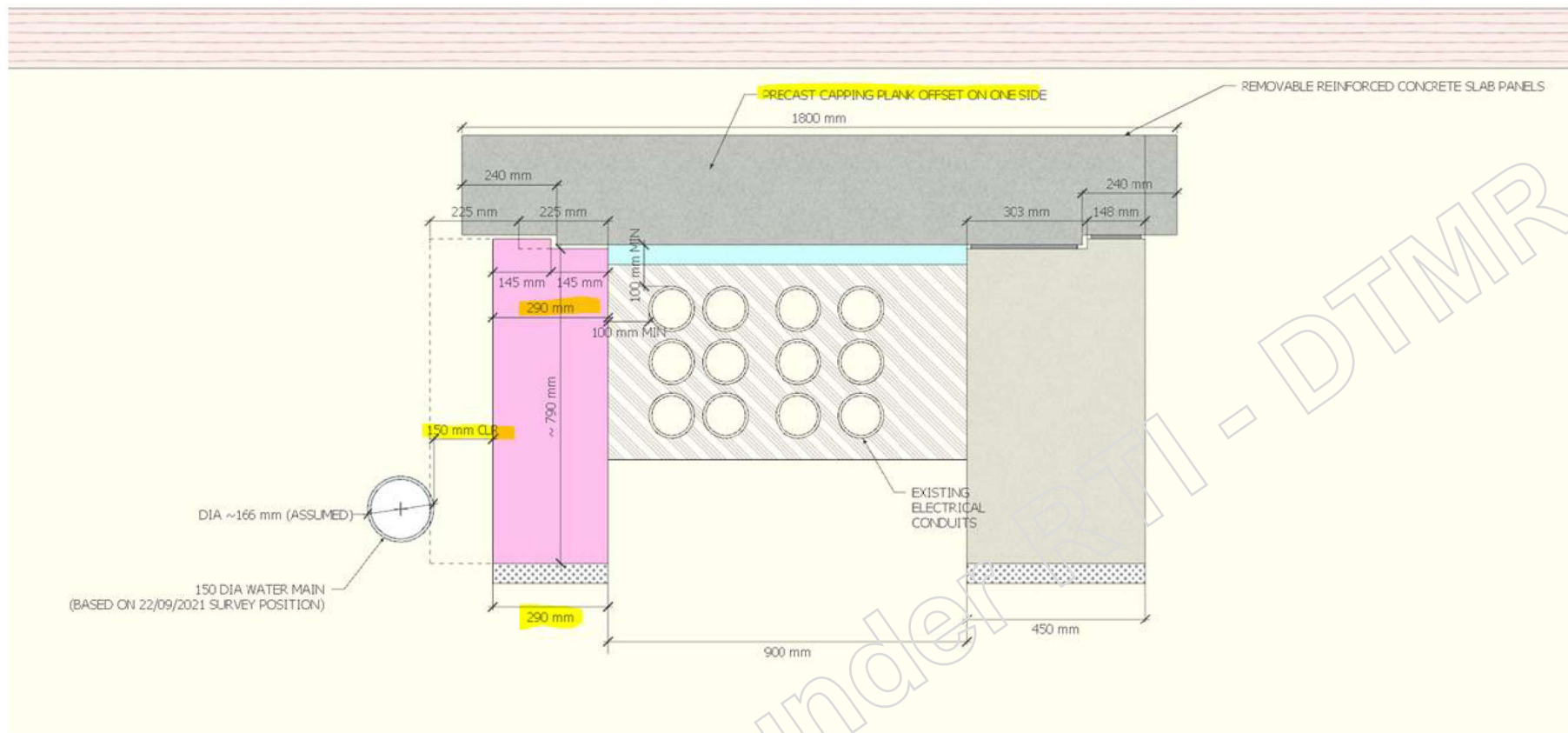
CHO

CURRENT SCENARIO



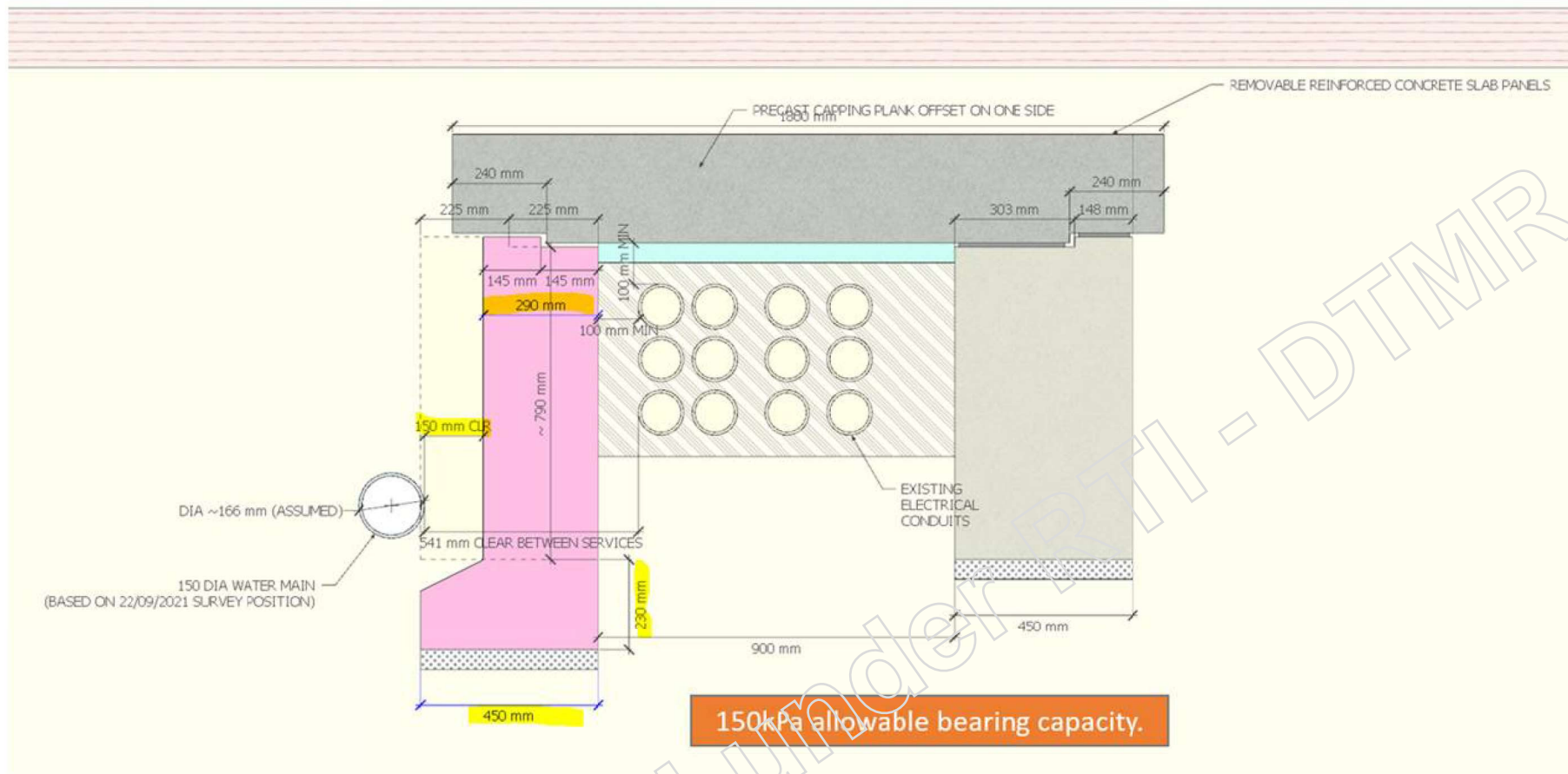
The option of maintaining achieving 150mm lateral clearance to the water main can be achieved by thinning out the footing, however this increases the minimum required allowable bearing capacity to ~210kPa as per the previous advice. Whether this is achievable is not known, however verbal advise was that 150kPa was the limit.

OPTION 1: ~210kPa ALLOWABLE BEARING PRESSURE ACHIEVABLE - NARROWER FOOTING



To maintain the (verbally advised) 150kPa allowable bearing capacity, the base of the footing can be flared out to 450mm wide beneath the water main. The issue with this is it involves a deeper excavation and also undermines the water main and/or HV electrical conduits. These services would clearly require some temporary support during construction and there is significant risk of damage.

OPTION 2: ~150kPa ALLOWABLE BEARING PRESSURE - NARROWER FOOTING FLARED TO 450MM WIDE BENEATH WATER MAIN



I also understand the precast RC lids have / are current in fabrication. Aligning the edge recesses in these planks to the upstands on the footings might need a little modification of the footings and overhang of the precast panels, so treat the above as indicative of the concept until I can get the adopted recess dimensions.

Some direction in terms of where to from here would be appreciated.

Cheers,

personal

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 Senior Maritime Structural Engineer – Transport | APAC People & Places Solutions | [Jacobs](#)
 M: NR [personal@jacobs.com](#)
 32 Cordelia St | South Brisbane, QLD, 4101 | Australia

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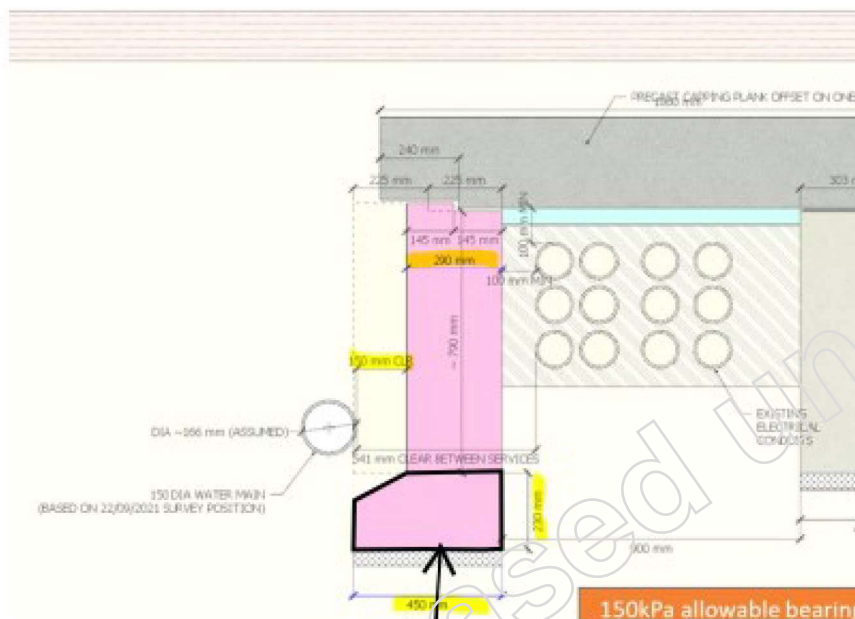
ws2sd

From: [redacted]@bielby.com.au>
Sent: Thursday, 23 September 2021 2:02 PM
To: [redacted]
Cc: [redacted] ws2sd; [redacted]
Subject: RE: Compton Road - Service Protection Structure

Categories: DMS

Thank [redacted]

We can make both options below work, If we don't achieve 210kpa, we can excavate the thickening and replace with mass concrete back to the revised footing.



From: [redacted]@driveengineering.com.au>
Sent: Thursday, 23 September 2021 1:28 PM
To: [redacted]@bielby.com.au>
Cc: [redacted]@bhjv.com.au>; ws2sd <ws2sd@tmr.cld.gov.au>; [redacted]@driveengineering.com.au>; [redacted]@driveengineering.com.au>
Subject: FW: Compton Road - Service Protection Structure
Importance: High

Hey [redacted]

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Could you let me know which option you prefer, or alternatively another option (taking into account timing and the fact the slab has already been cast?). If you can get back to me today, we can progress with Council to resolve.

Cheers

personal

personal

ADMINISTRATOR

BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)

Mobile: NR Email: personal@driveengineering.com.au



From: Paul S McCormack <Paul.S.McCormack@tmr.qld.gov.au>

Sent: Thursday, 23 September 2021 1:18 PM

To: personal@driveengineering.com.au

Subject: FW: Compton Road - Service Protection Structure

From: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>

Sent: Wednesday, 22 September 2021 5:09 PM

To: personal@driveengineering.com.au

Cc: personal@driveengineering.com.au; personal@driveengineering.com.au; Paul S McCormack <Paul.S.McCormack@tmr.qld.gov.au>; Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>; ws2sd@tmr.qld.gov.au

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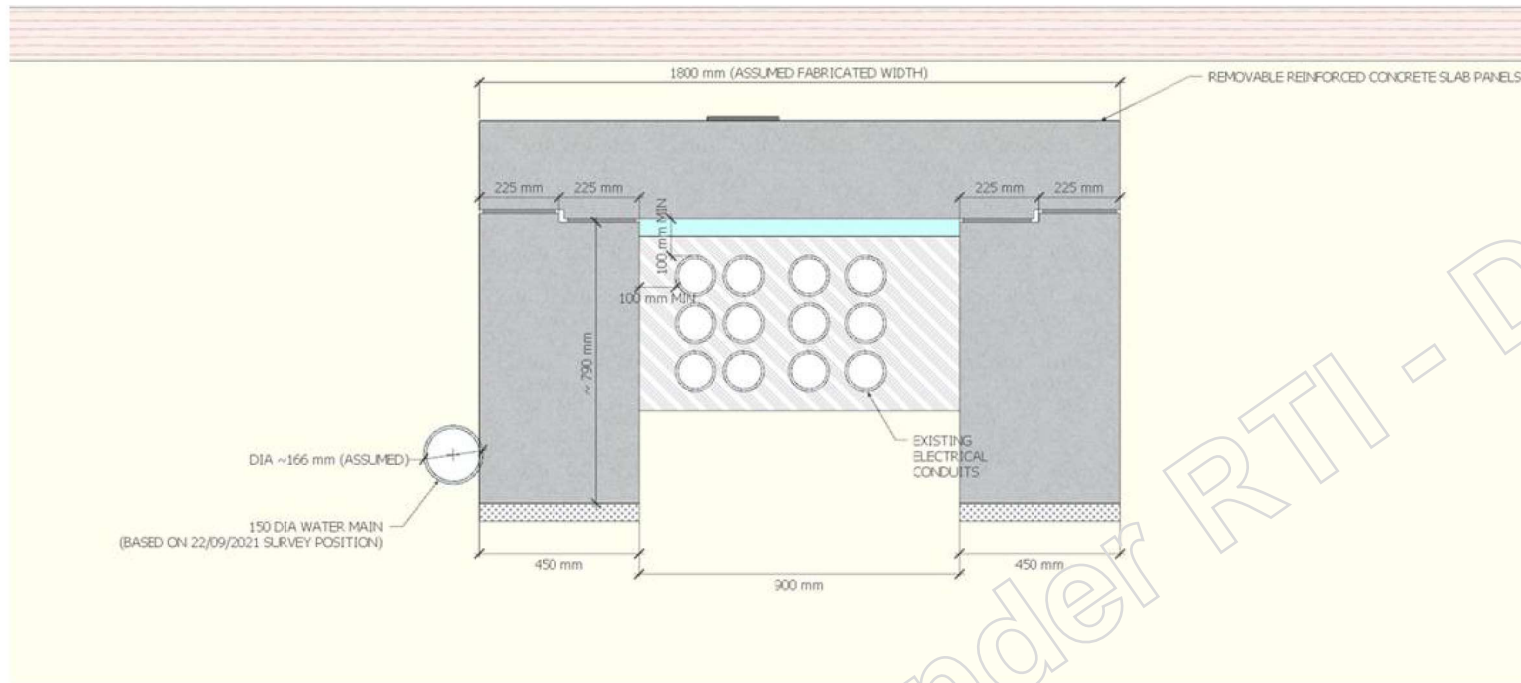
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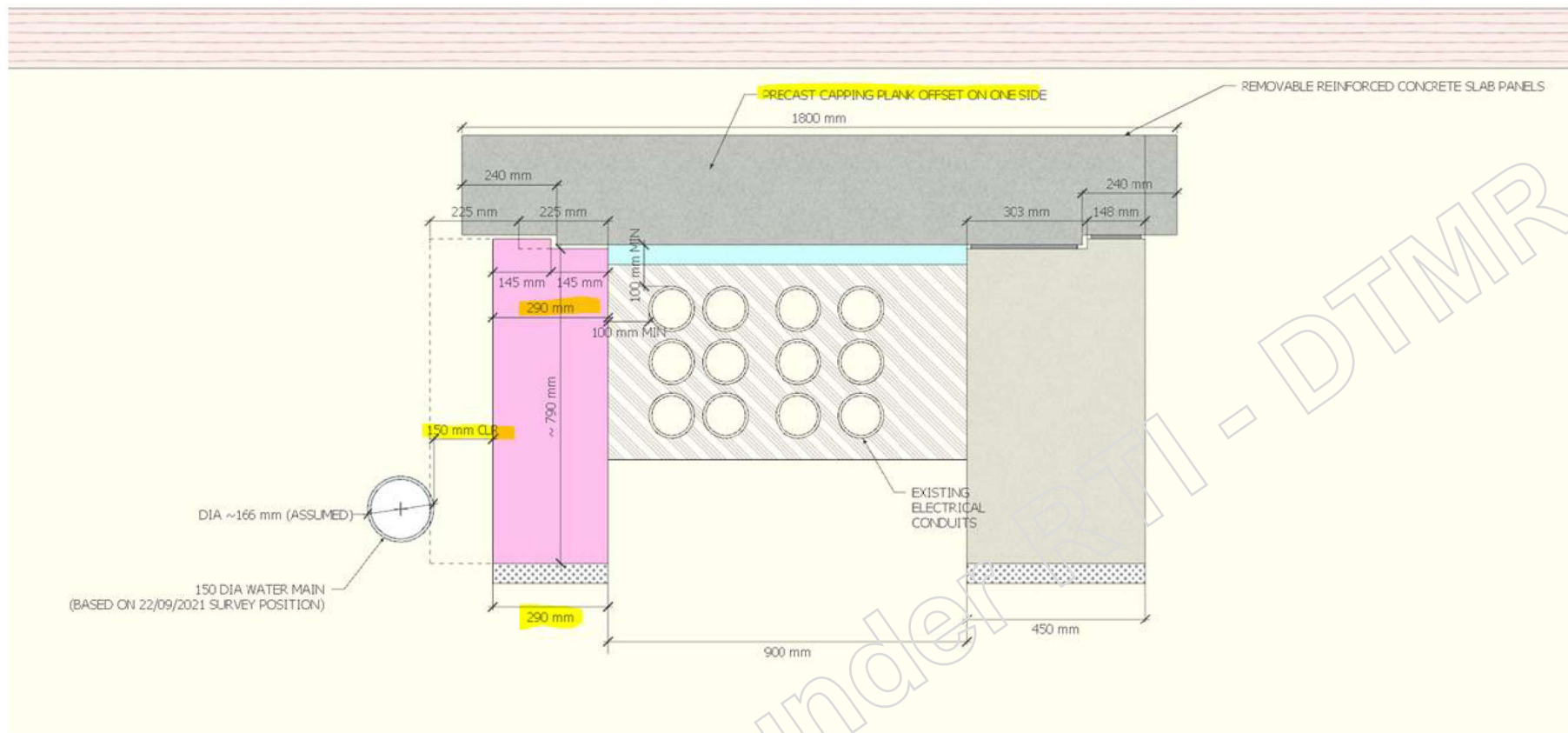
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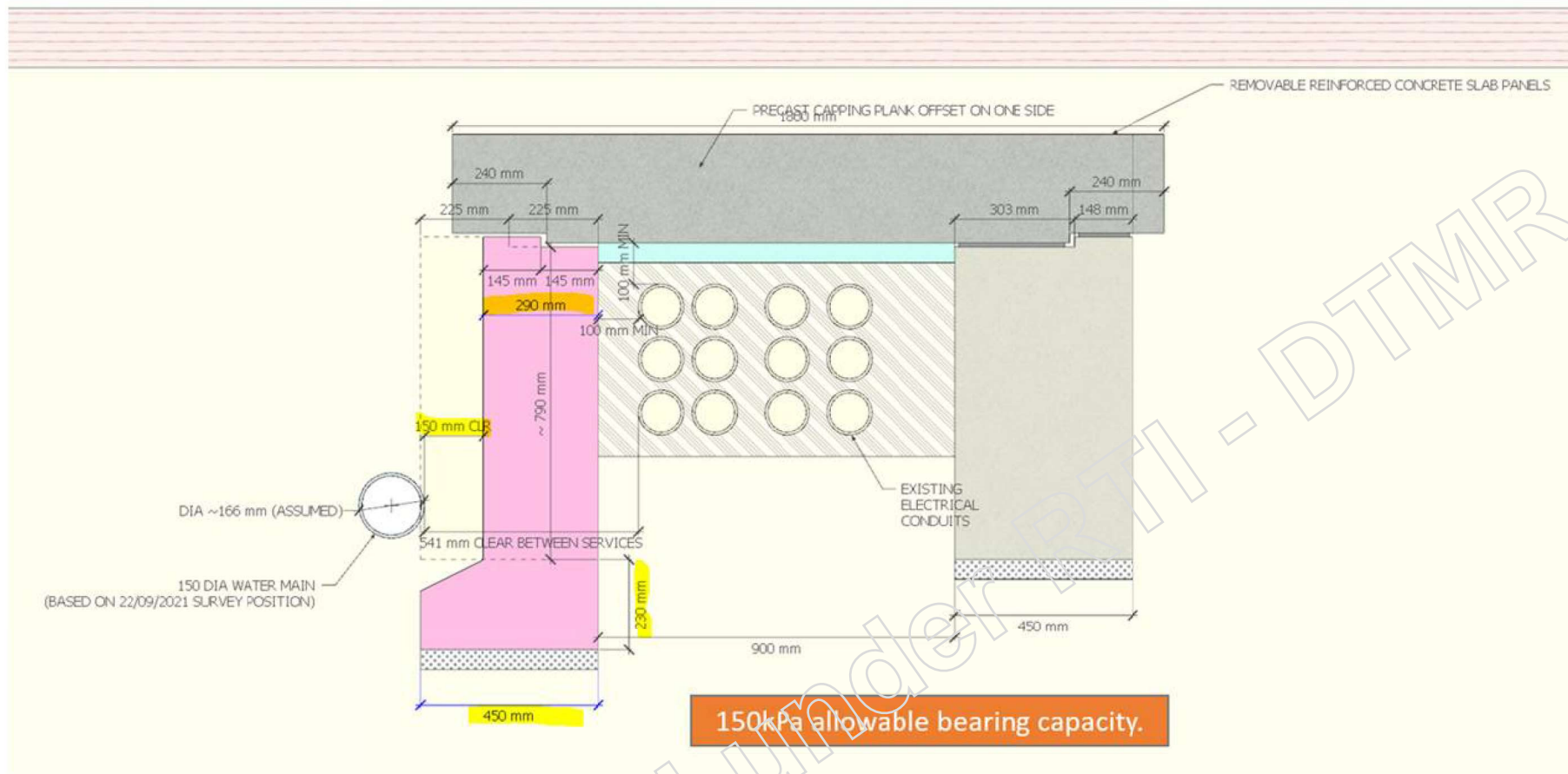
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Released under RTI - DTMR

ws2sd

From: [personal]@driveengineering.com.au>
Sent: Thursday, 23 September 2021 2:05 PM
To: Matthew X Kelly
Cc: ws2sd; [personal]
Subject: FW: Compton Road - Service Protection Structure

Importance: High

Categories: DMS

Hey Matt

Just had a chat with [personal] and he's indicated either option will be OK. Option 2 would only work for him if the footing detail is mass concrete requiring no reo.

BHJV are getting dcp's done today, and we should get a result first thing in the morning. Either way, if we go with option 2 with the mass concrete footing (no reo), this would be preferred.

Happy to discuss.

Cheers

[personal]

[personal]
ADMINISTRATOR
BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)
Mobile: [NR] Email: [personal]@driveengineering.com.au

DRIVE
ENGINEERING PTY LTD
ABN 15 6152 420 936

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Cc: [personal]@bhjv.com.au>; ws2sd <ws2sd@tmr.qld.gov.au>; [personal]@driveengineering.com.au> [personal]@driveengineering.com.au>
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Program Delivery and Operations | Department of Transport and Main Roads

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matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

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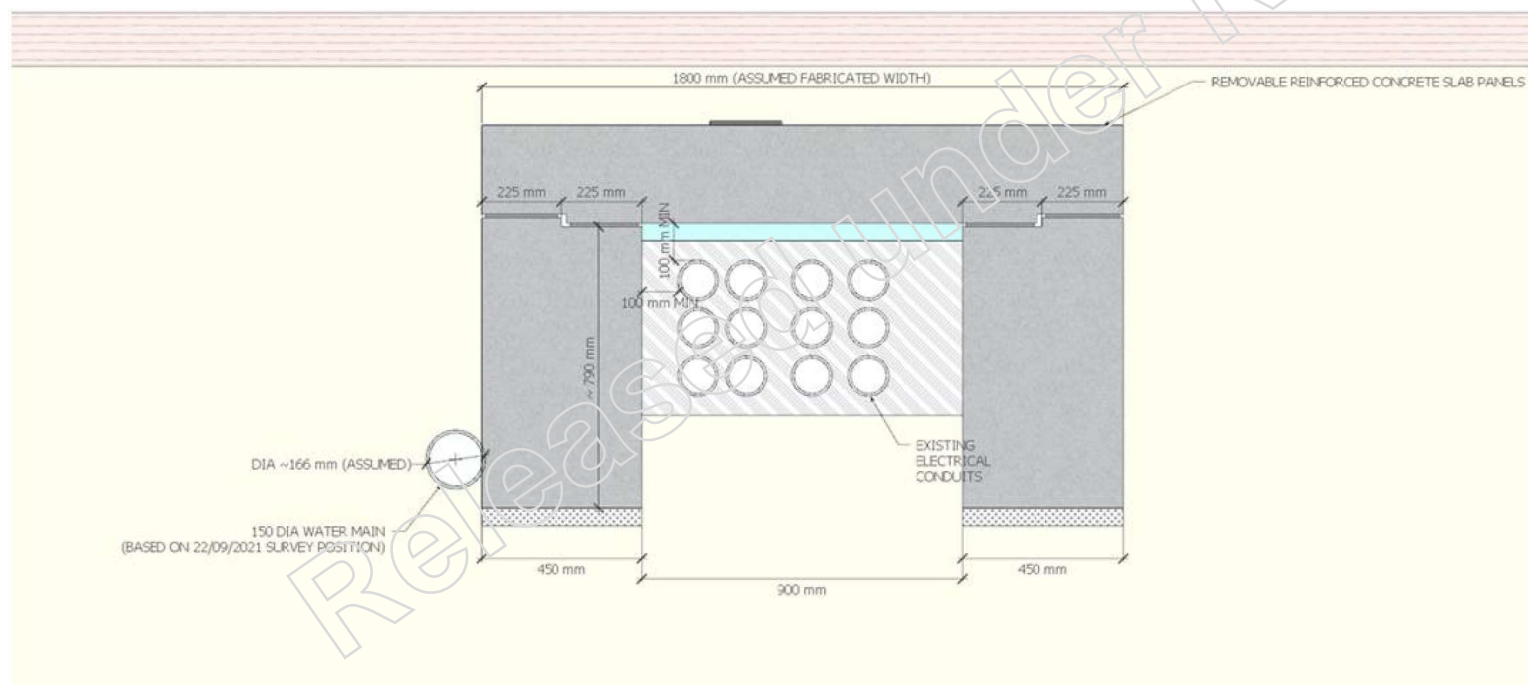
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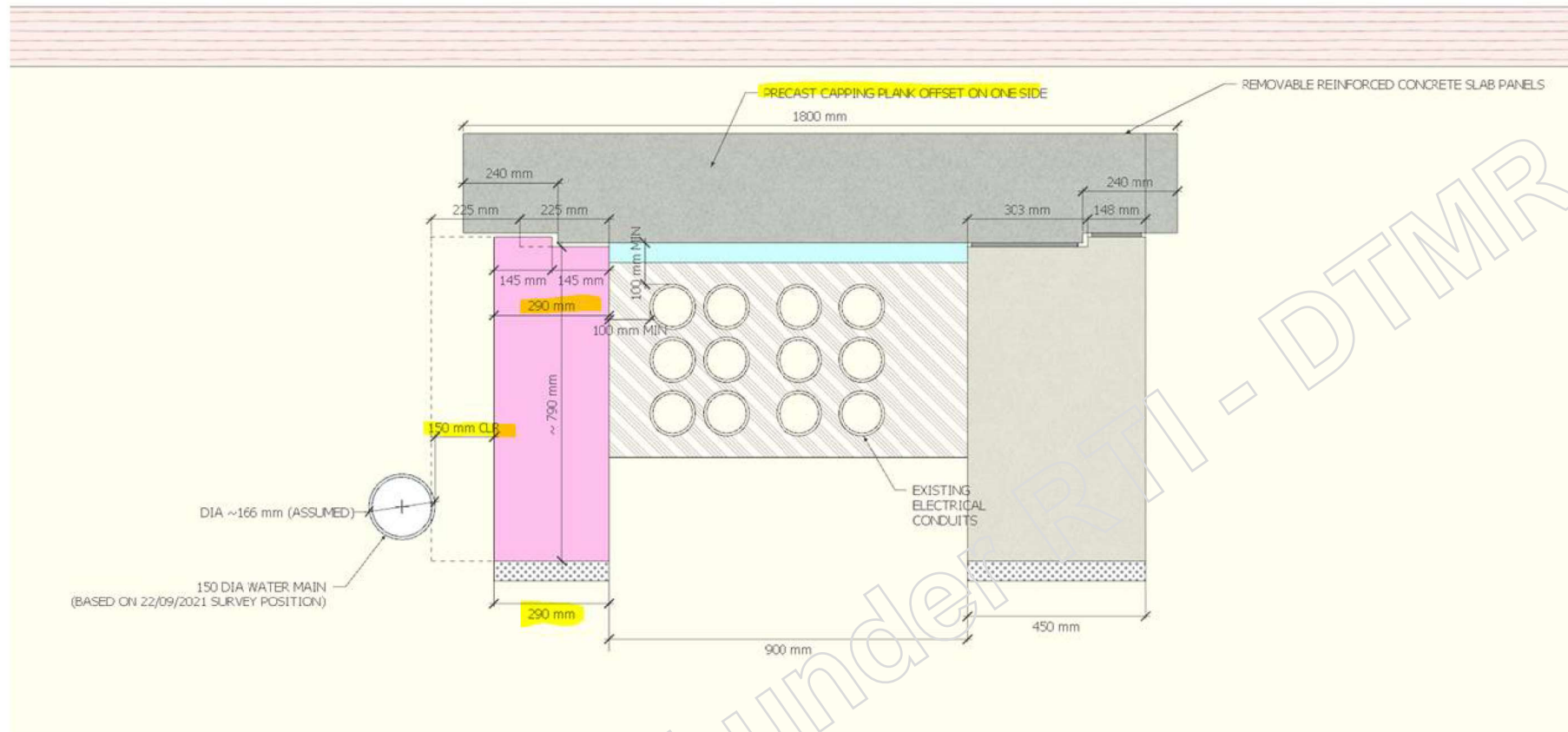
CHO

CURRENT SCENARIO



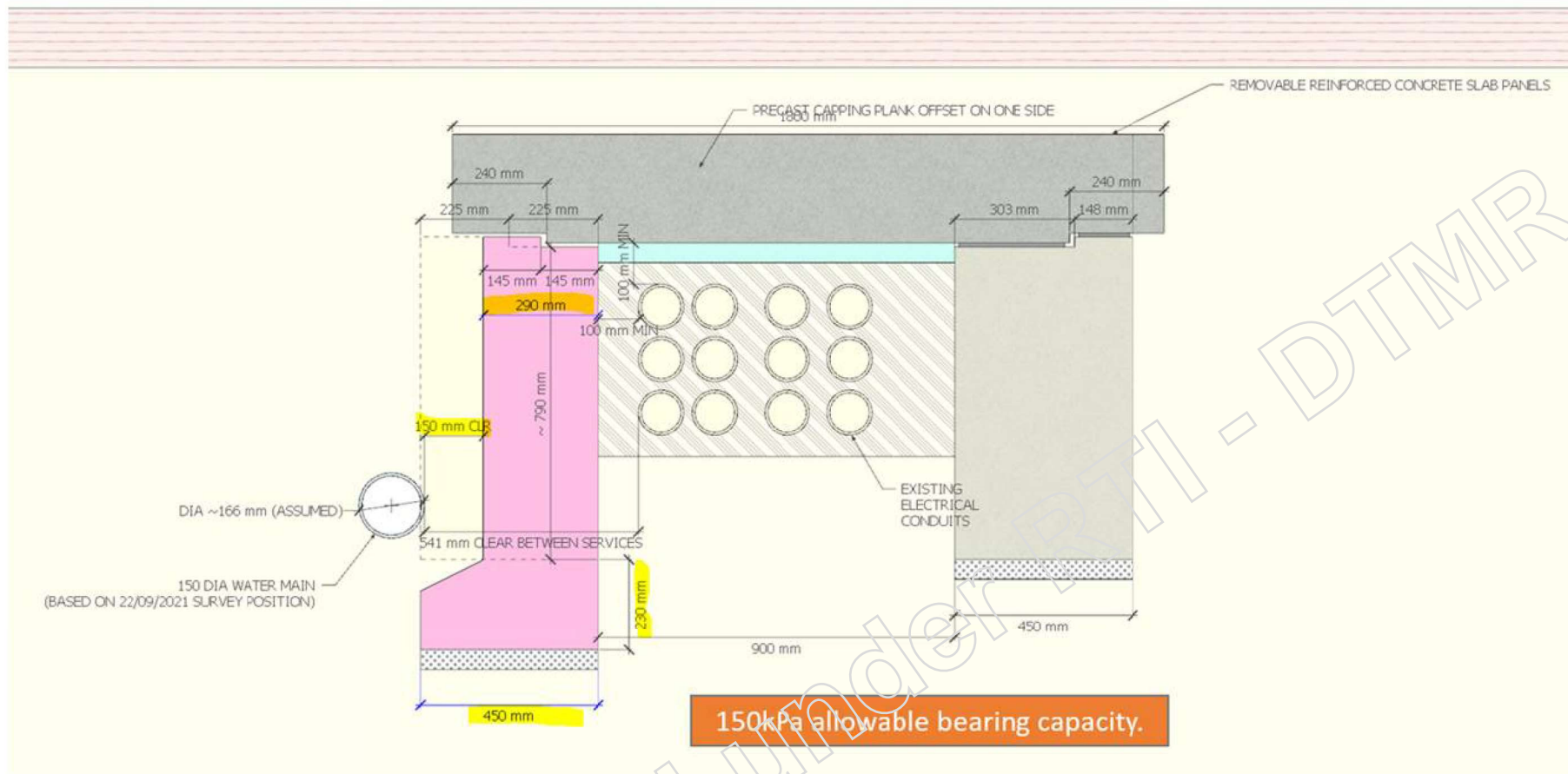
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BEng (Hons) | MIEAust | CPEng | RPEQ

Senior Maritime Structural Engineer – Transport | APAC People & Places Solutions | [Jacobs](#)

M: NR personal.k@jacobs.com

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Released under RTI - DTMR

ws2sd

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Sent: Thursday, 23 September 2021 2:07 PM
To: Matthew X Kelly
Cc: ws2sd [redacted] personal [redacted]
Subject: FW: Compton Road - Service Protection Structure

Importance: High

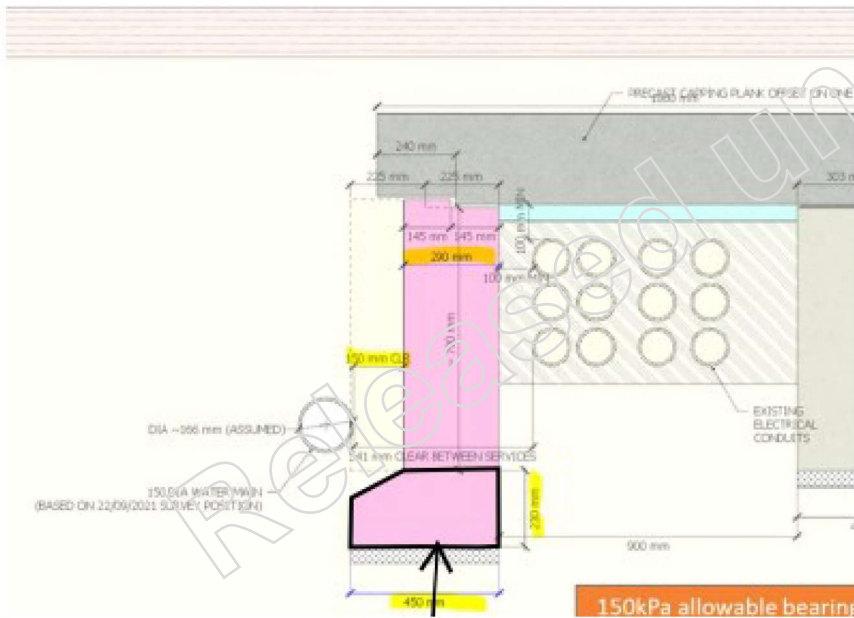
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FYI

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Subject: RE: Compton Road - Service Protection Structure

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From: [redacted] personal [redacted]@driveengineering.com.au
Sent: Thursday, 23 September 2021 1:28 PM

To: [personal] <[personal]@bielby.com.au>
Cc: [personal] <[personal]@bhjv.com.au>; ws2sd <ws2sd@tmr.qld.gov.au>; [personal] <[personal]@driveengineering.com.au>; [personal] <[personal]@driveengineering.com.au>
Subject: FW: Compton Road - Service Protection Structure
Importance: High

Hey [personal]

As discussed, TMR have gone back to Jacobs and have come up with the following two options for the protection slab support legs.

Could you let me know which option you prefer, or alternatively another option (taking into account timing and the fact the slab has already been cast?). If you can get back to me today, we can progress with Council to resolve.

Cheers

[personal]



From: [personal] <[personal]@tmr.qld.gov.au>
Sent: Thursday, 23 September 2021 1:18 PM
To: [personal] <[personal]@driveengineering.com.au>
Subject: FW: Compton Road - Service Protection Structure

From: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Sent: Wednesday, 22 September 2021 5:09 PM
To: [personal] <[personal]@driveengineering.com.au>
Cc: [personal] <[personal]@driveengineering.com.au>; [personal] <[personal]@driveengineering.com.au>; Paul S McCormack <Paul.S.McCormack@tmr.qld.gov.au>; Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: FW: Compton Road - Service Protection Structure

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Kind Regards

Matt Kelly

Principal Engineer (Civil)

South Coast Region/ Eight Mile Plains Office

Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

PO Box 442 | Nerang QLD 4211

(07) 5563 6434

matthew.x.kelly@tmr.qld.gov.au

www.tmr.qld.gov.au

From: [personal]@jacobs.com>

Sent: Wednesday, 22 September 2021 4:54 PM

To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>

Subject: FW: Compton Road - Service Protection Structure

Matt,

Some options presented by [personal] be found below which I would like to discuss further

Thanks

From: [personal]@jacobs.com>

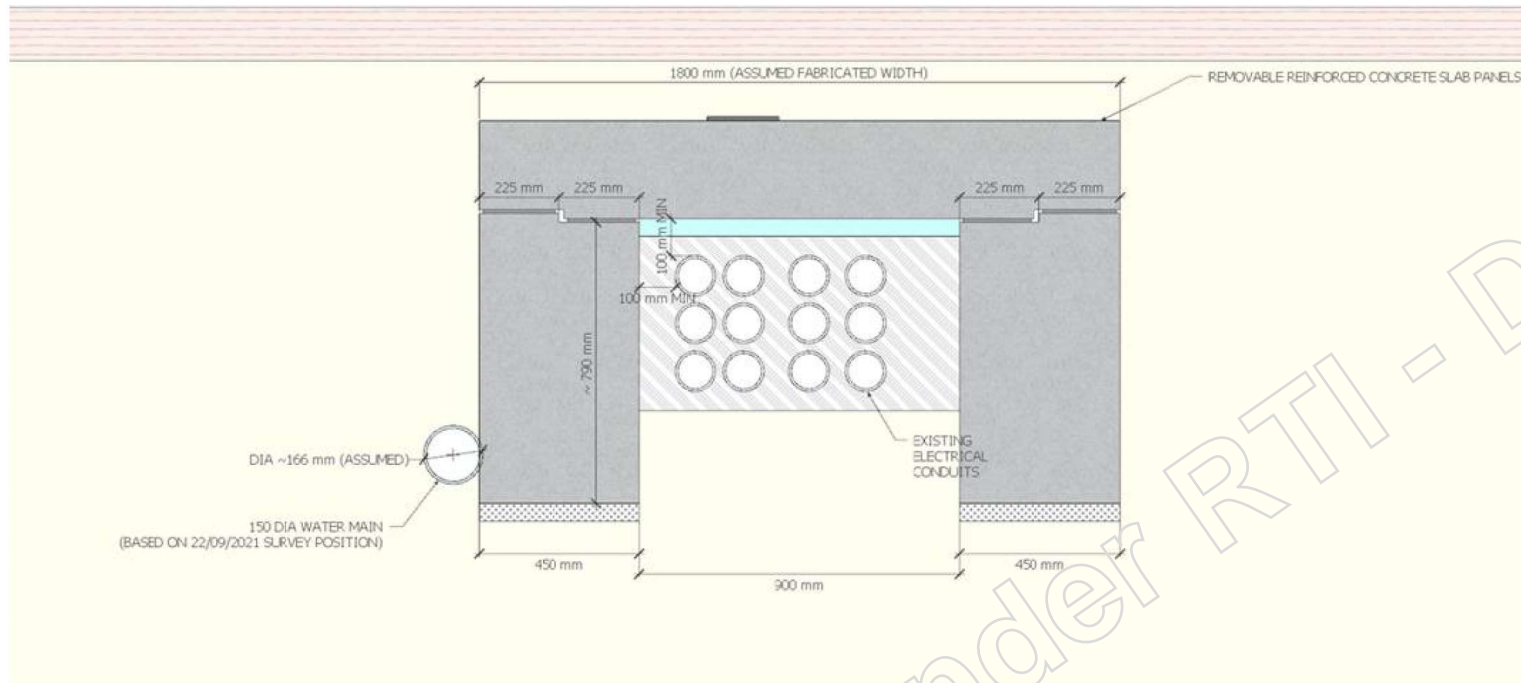
Sent: Wednesday, 22 September 2021 4:34 PM

To: [personal]@jacobs.com>

Subject: Compton Road - Service Protection Structure

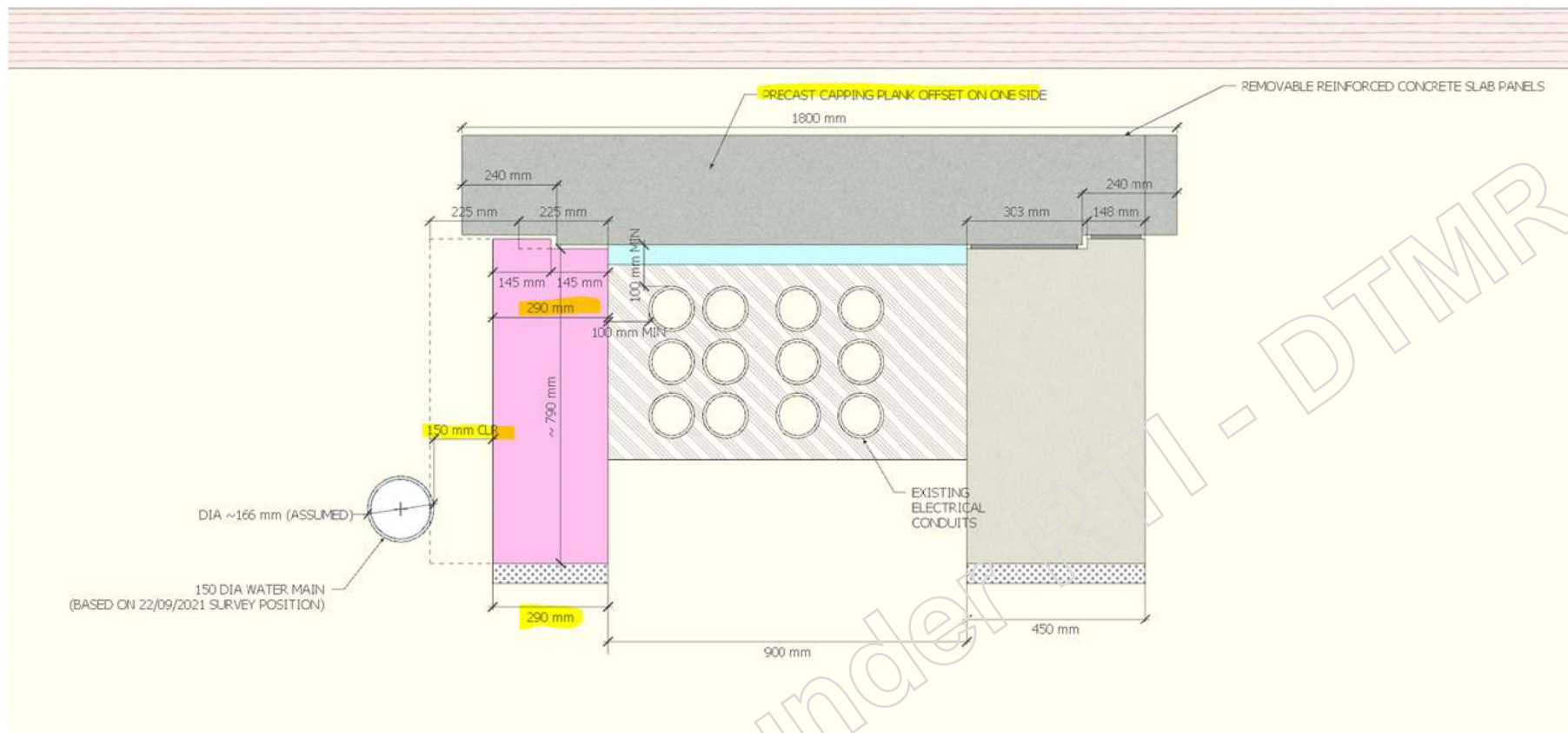
[personal]

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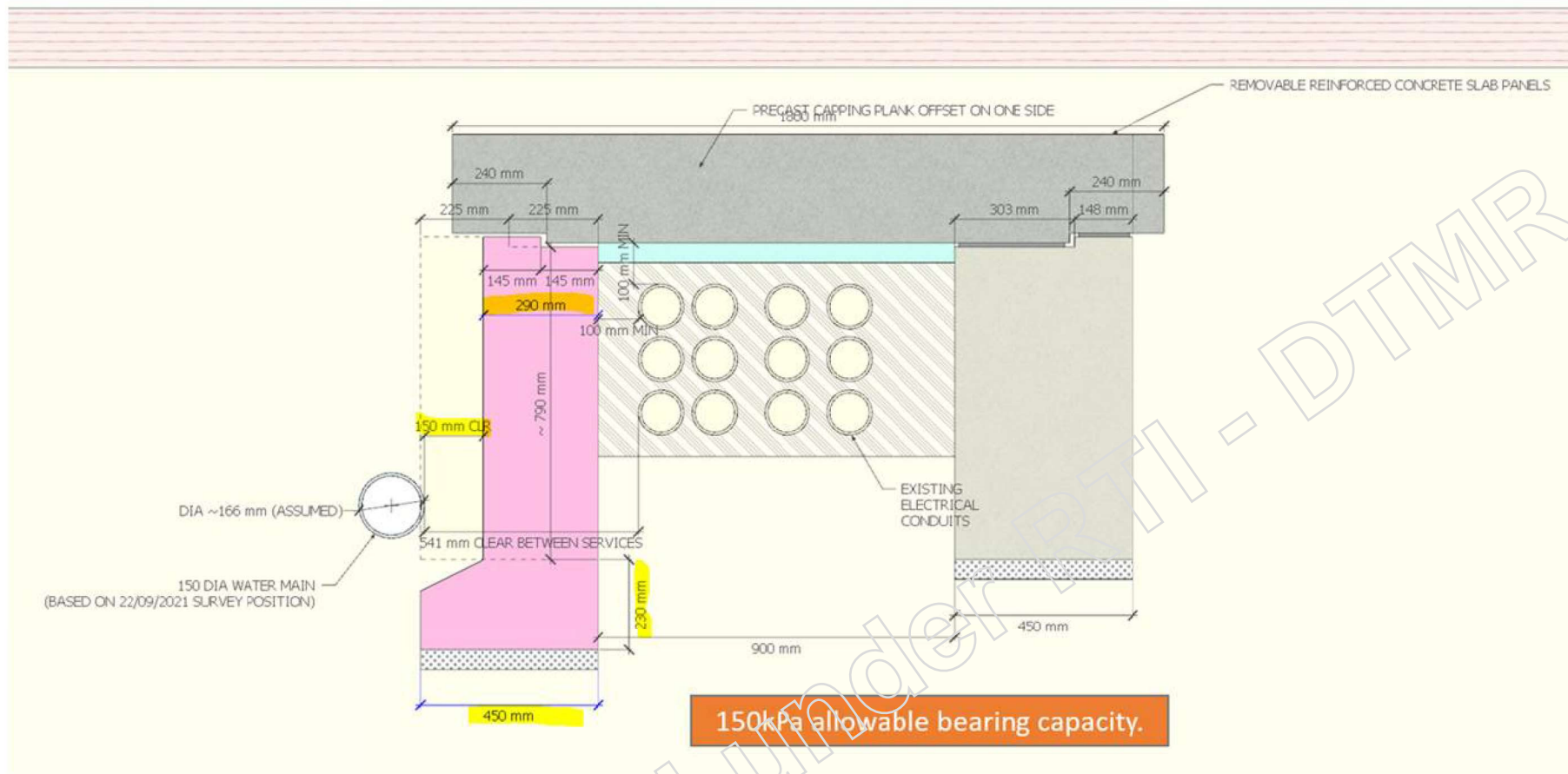
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OPTION 1: ~210kPa ALLOWABLE BEARING PRESSURE ACHIEVABLE - NARROWER FOOTING



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OPTION 2: ~150kPa ALLOWABLE BEARING PRESSURE - NARROWER FOOTING FLARED TO 450MM WIDE BENEATH WATER MAIN



I also understand the precast RC lids have / are current in fabrication. Aligning the edge recesses in these planks to the upstands on the footings might need a little modification of the footings and overhang of the precast panels, so treat the above as indicative of the concept until I can get the adopted recess dimensions.

Some direction in terms of where to from here would be appreciated.

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BEng (Hons) | MIEAust | CPEng | RPEQ

Senior Maritime Structural Engineer – Transport | APAC People & Places Solutions | [Jacobs](#)

M: NR personal [Di Jacobs.com](#)

32 Cordelia St | South Brisbane, QLD, 4101 | Australia

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Released under RTI - DTMR

ws2sd

From: [personal]@driveengineering.com.au>
Sent: Thursday, 23 September 2021 2:05 PM
To: Matthew X Kelly
Cc: ws2sd; [personal]
Subject: FW: Compton Road - Service Protection Structure

Importance: High

Categories: DMS

Hey Matt

Just had a chat with [personal] and he's indicated either option will be OK. Option 2 would only work for him if the footing detail is mass concrete requiring no reo.

BHJV are getting dcp's done today, and we should get a result first thing in the morning. Either way, if we go with option 2 with the mass concrete footing (no reo), this would be preferred.

Happy to discuss.

Cheers

[personal]

[personal]

ADMINISTRATOR
BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)

Mobile: [NR] Email: [personal]@driveengineering.com.au

DRIVE
ENGINEERING PTY LTD
ABN 152 420 936

From: [personal]
Sent: Thursday, 23 September 2021 1:28 PM
To: [personal]@bielby.com.au>
Cc: [personal]@bhjv.com.au>; ws2sd <ws2sd@tmr.qld.gov.au>; [personal]@driveengineering.com.au>; [personal]@driveengineering.com.au>
Subject: FW: Compton Road - Service Protection Structure
Importance: High

Hey [personal]

As discussed, TMR have gone back to Jacobs and have come up with the following two options for the protection slab support legs.

Could you let me know which option you prefer, or alternatively another option (taking into account timing and the fact the slab has already been cast?). If you can get back to me today, we can progress with Council to resolve.

Cheers

personal

personal

ADMINISTRATOR

BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)

Mobile: NR Email: personal@driveengineering.com.au



From: Paul S McCormack <Paul.S.McCormack@tmr.qld.gov.au>
Sent: Thursday, 23 September 2021 1:18 PM
To: personal@driveengineering.com.au
Subject: FW: Compton Road - Service Protection Structure

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Sent: Wednesday, 22 September 2021 5:09 PM
To: personal@driveengineering.com.au
Cc: personal@driveengineering.com.au; personal@driveengineering.com.au; ws2sd@tmr.qld.gov.au; Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>; ws2sd@tmr.qld.gov.au
Subject: FW: Compton Road - Service Protection Structure

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Could you please check with BHJV which option can be achieved and we will reissue reinforcement details for the leg adjacent the water main.

Kind Regards

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Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: personal@jacobs.com>
Sent: Wednesday, 22 September 2021 4:54 PM

To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: FW: Compton Road - Service Protection Structure

Matt,

Some options presented by personal can be found below which I would like to discuss further

Thanks

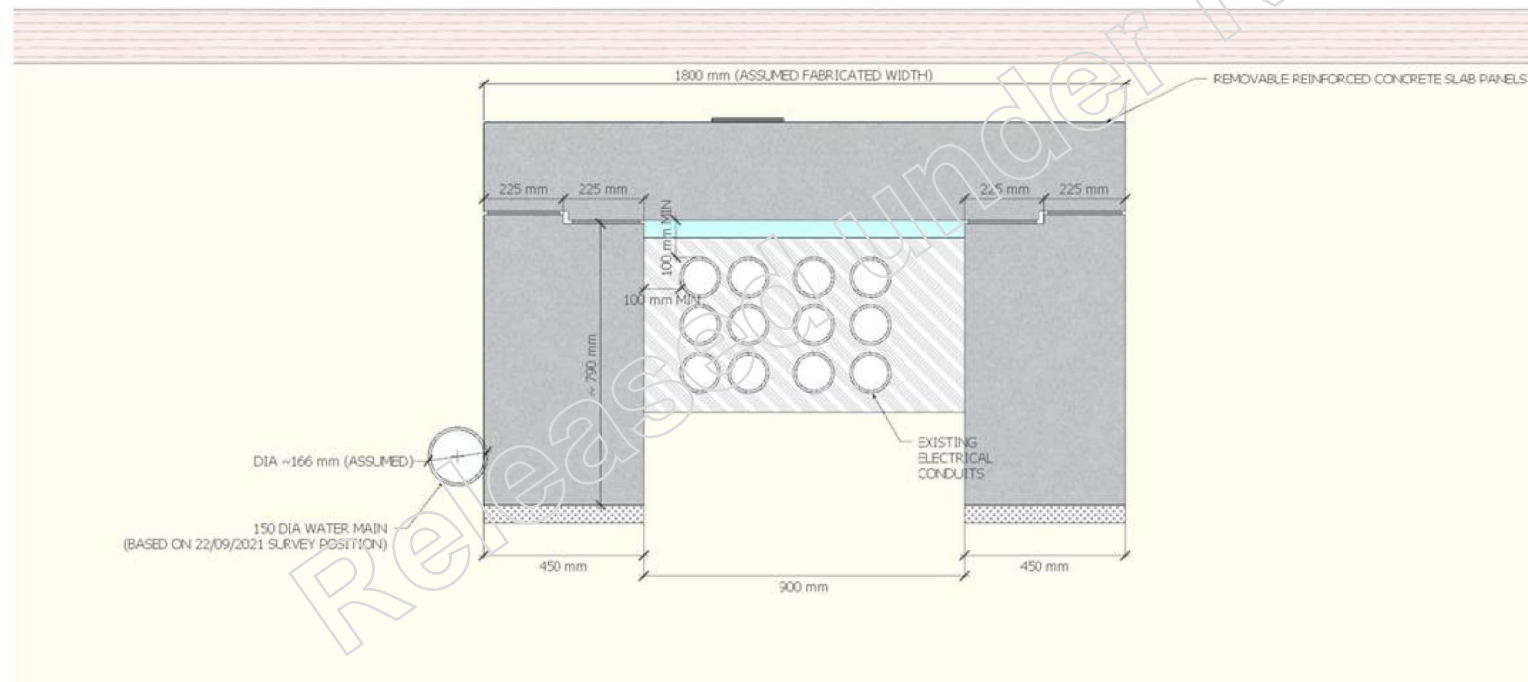
From: personal <personal@jacobs.com>
Sent: Wednesday, 22 September 2021 4:34 PM
To: personal <personal@jacobs.com>
Subject: Compton Road - Service Protection Structure

personal

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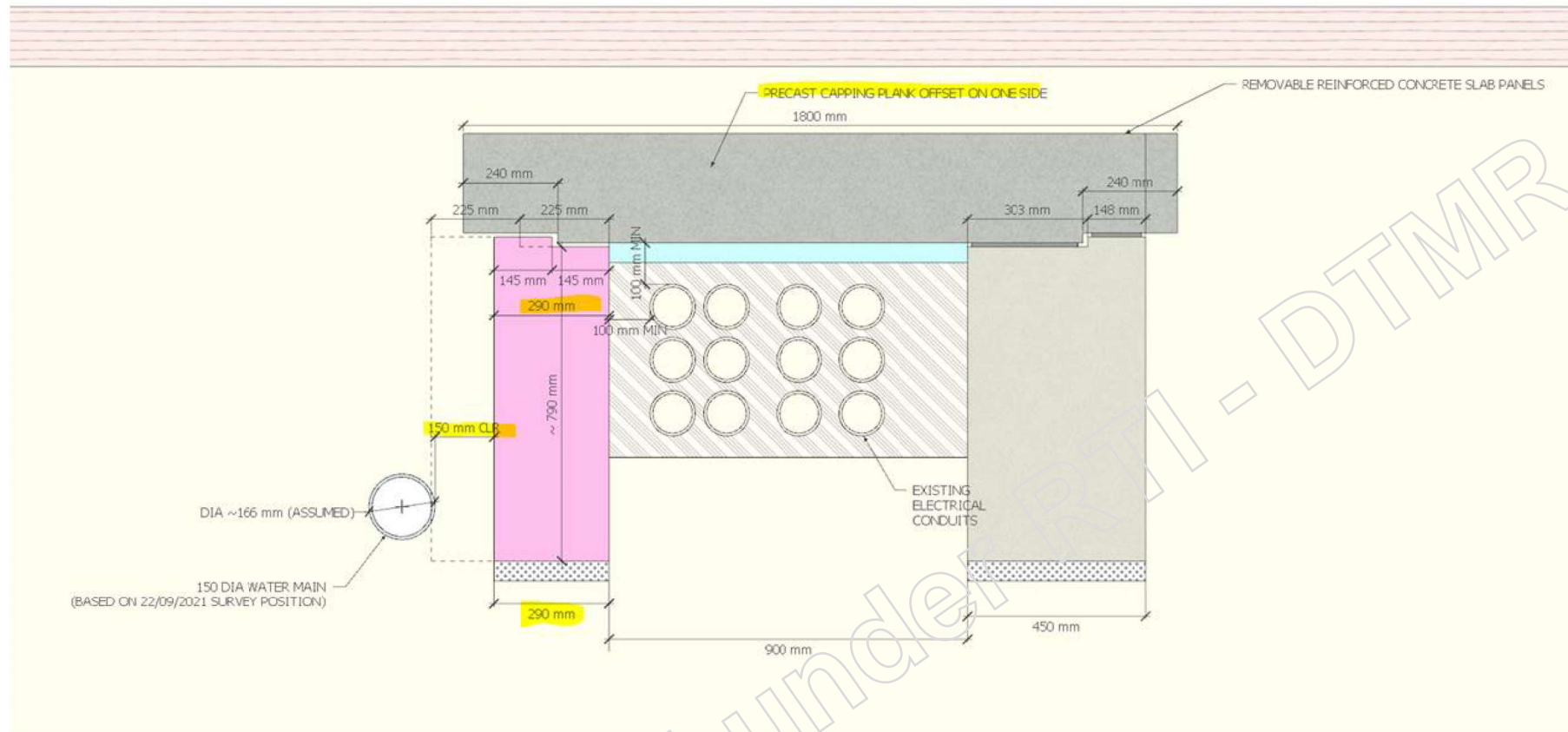
CHO

CURRENT SCENARIO



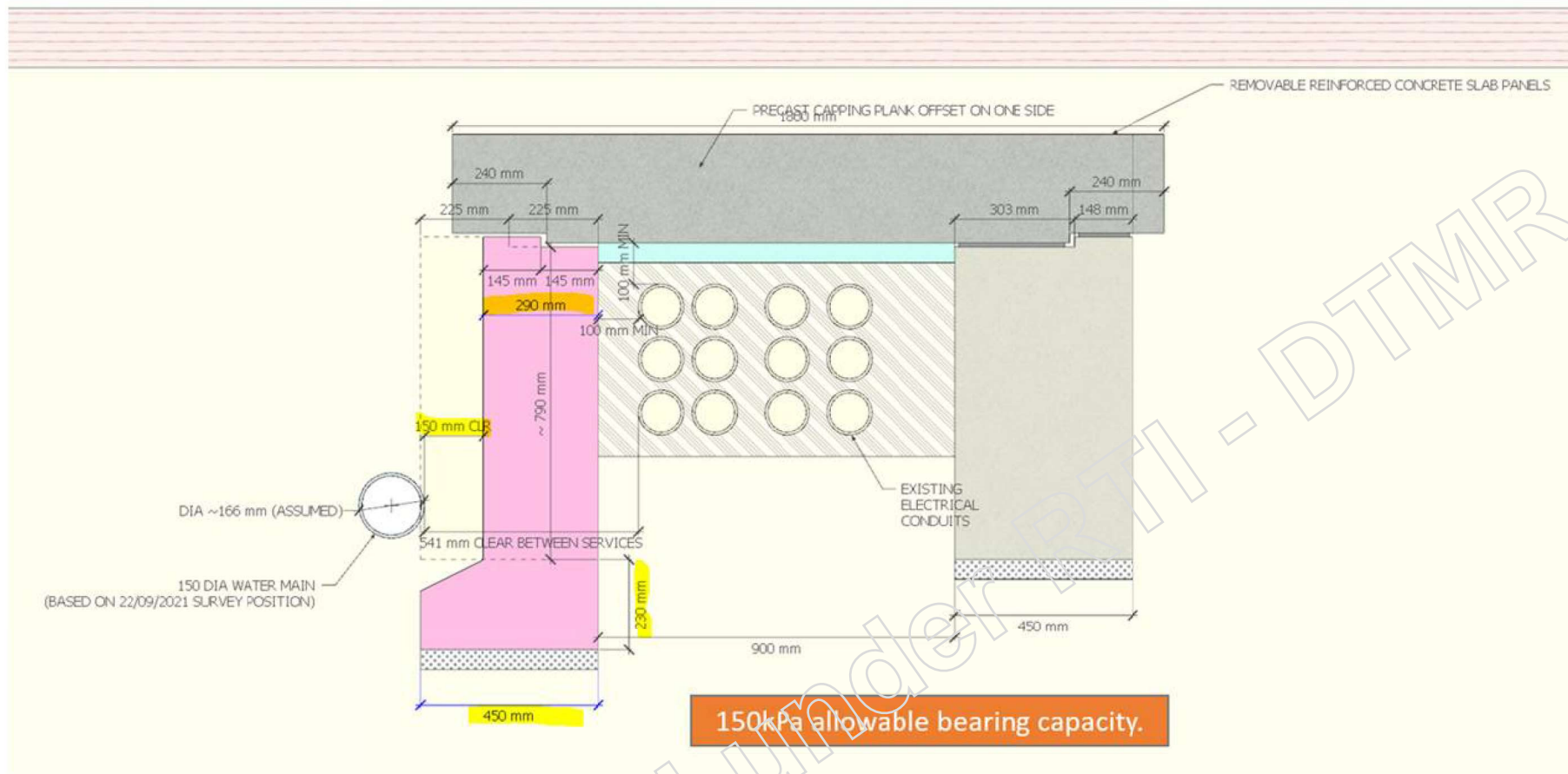
The option of maintaining achieving 150mm lateral clearance to the water main can be achieved by thinning out the footing, however this increases the minimum required allowable bearing capacity to ~210kPa as per the previous advice. Whether this is achievable is not known, however verbal advise was that 150kPa was the limit.

OPTION 1: ~210kPa ALLOWABLE BEARING PRESSURE ACHIEVABLE - NARROWER FOOTING



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OPTION 2: ~150kPa ALLOWABLE BEARING PRESSURE - NARROWER FOOTING FLARED TO 450MM WIDE BENEATH WATER MAIN



I also understand the precast RC lids have / are current in fabrication. Aligning the edge recesses in these planks to the upstands on the footings might need a little modification of the footings and overhang of the precast panels, so treat the above as indicative of the concept until I can get the adopted recess dimensions.

Some direction in terms of where to from here would be appreciated.

Cheers,

personal

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 Senior Maritime Structural Engineer – Transport | APAC People & Places Solutions | [Jacobs](#)
 M: NR personal [@jacobs.com](#)
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Released under RTI - DTMR

ws2sd

From: [personal]@driveengineering.com.au>
Sent: Friday, 24 September 2021 8:12 AM
To: [personal]
Cc: ws2sd; [personal] Matthew X Kelly; [personal]
Subject: FW: Compton Road - Service Protection Structure

Importance: High

Categories: DMS

Hi [personal]

The designers have come back with the attached query about dimensions of the precast lid.

Could you get back to me with the dimension asap.

Cheers

[personal]



From: [personal]@jacobs.com>
Sent: Thursday, 23 September 2021 3:37 PM
To: Matthew X Kelly <matthew.x.kelly@tmr.qld.gov.au>
Cc: [personal]@driveengineering.com.au>; [personal]@driveengineering.com.au>; SD2LR <SD2LR@tmr.qld.gov.au>; IH179200 <IH179200@jacobs.com>; [personal]@jacobs.com>
Subject: RE: Compton Road - Service Protection Structure

Matt,

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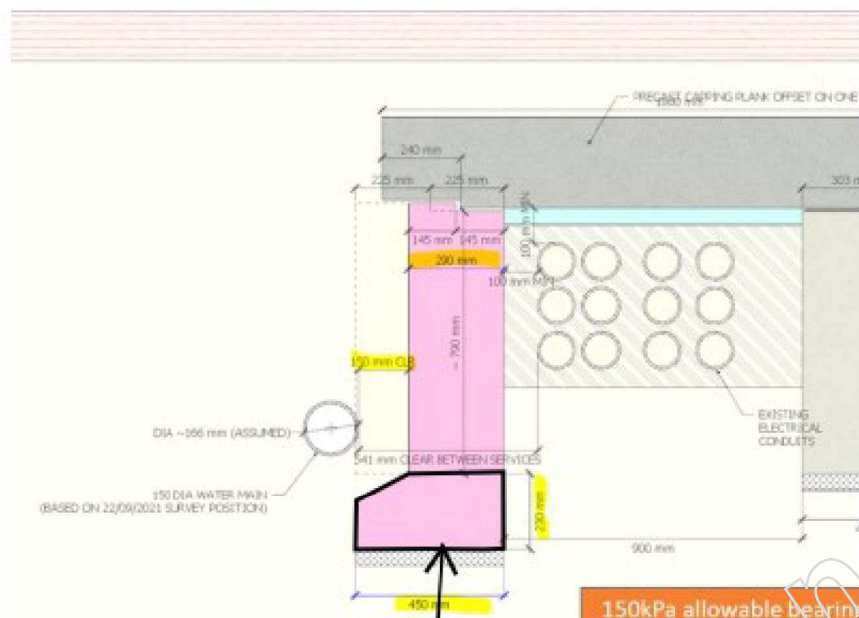
Thanks

Cc: [redacted]@bhiv.com.au; ws2sd <ws2sd@tmr.cld.gov.au>; [redacted] personal @driveengineering.com.au; [redacted] personal @driveengineering.com.au>

Subject: RE: Compton Road - Service Protection Structure

Thank [redacted] personal

We can make both options below work, If we don't achieve 210Kpa, we can excavate the thickening and replace with mass concrete back to the revised footing.



From: [redacted] personal @driveengineering.com.au>

Sent: Thursday, 23 September 2021 1:28 PM

To: [redacted] personal @bielby.com.au>

Cc: [redacted] personal @bhiv.com.au; ws2sd <ws2sd@tmr.cld.gov.au>; [redacted] personal @driveengineering.com.au; [redacted] personal @driveengineering.com.au>

Subject: FW: Compton Road - Service Protection Structure

Importance: High

Help [redacted] personal

As discussed, TMR have gone back to Jacobs and have come up with the following two options for the protection slab support legs.

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[redacted] personal

personal

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BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)

Mobile NR Email: personal@driveengineering.com.au



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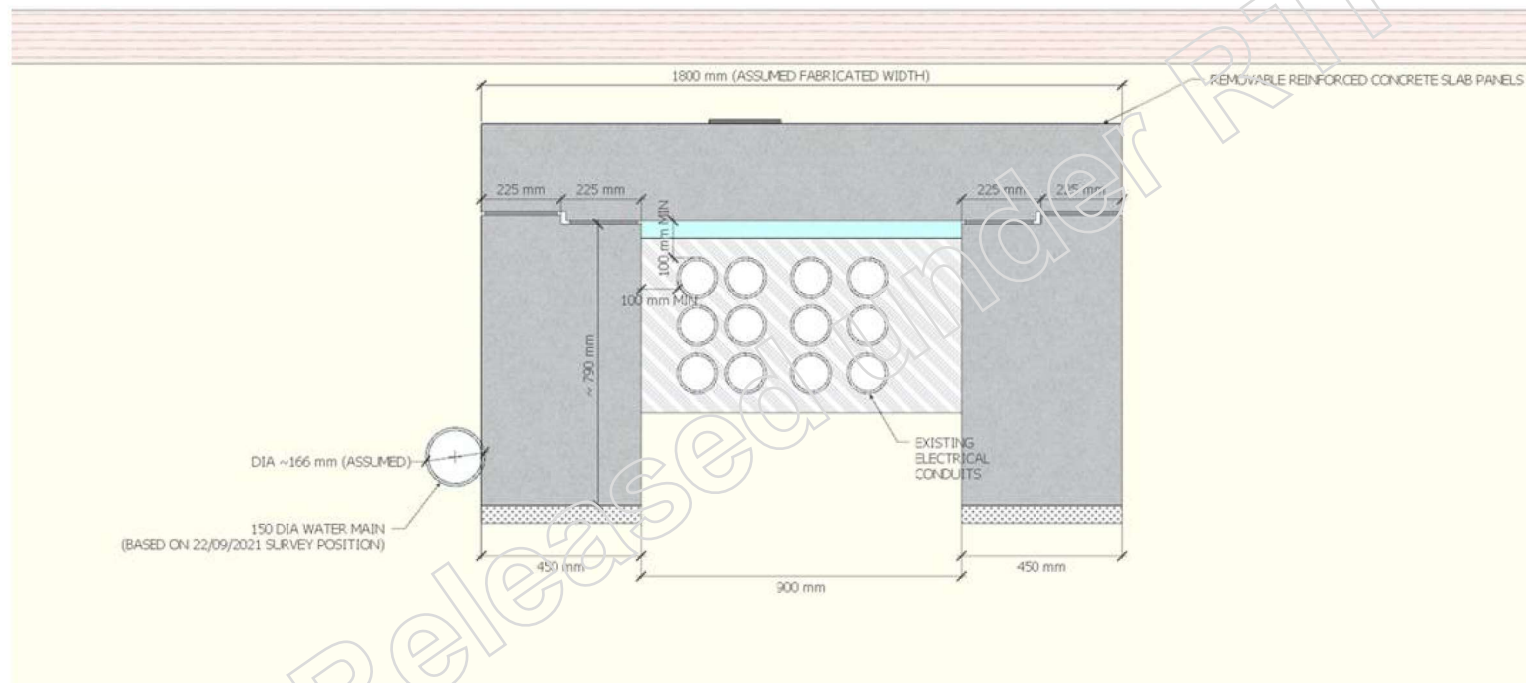
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To: [redacted] personal <[redacted]@jacobs.com>
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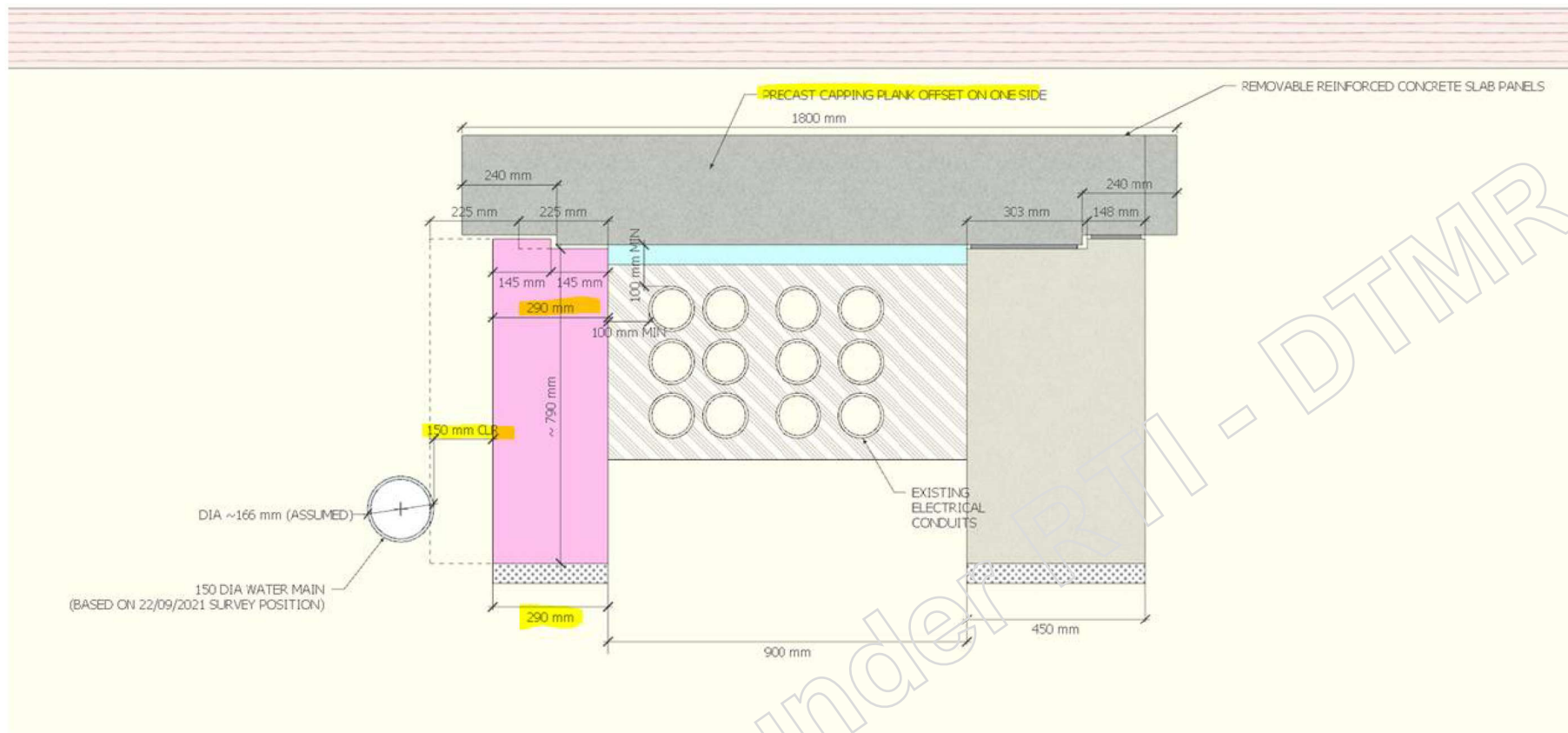
CHO

CURRENT SCENARIO



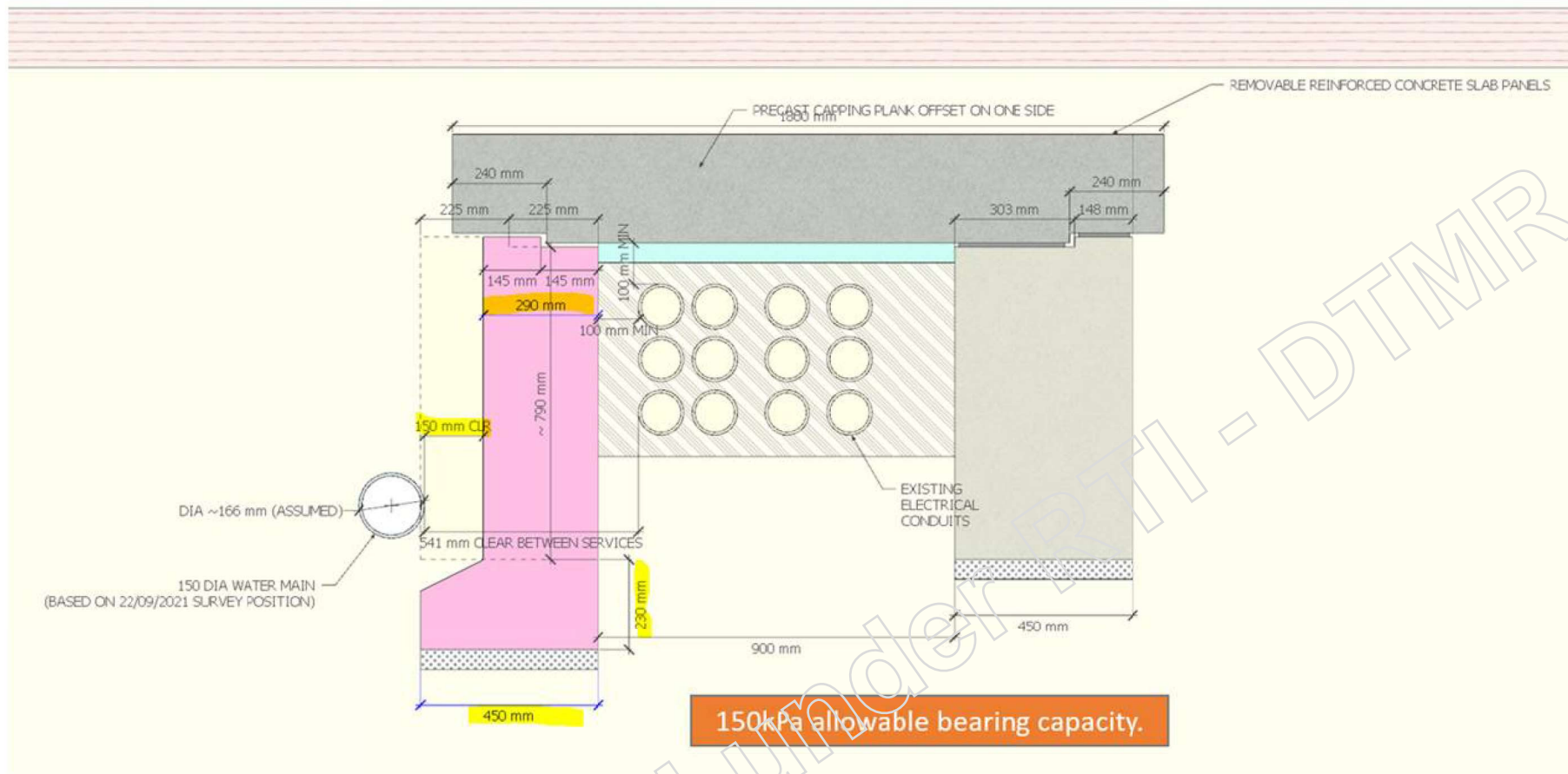
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personal

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Senior Maritime Structural Engineer – Transport | APAC People & Places Solutions | [Jacobs](#)

M: NR

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Released under RTI - DTMP

ws2sd

From: [personal]@bielby.com.au>
Sent: Friday, 24 September 2021 3:07 PM
To: [personal]
Cc: ws2sd; [personal] Matthew X Kelly; [personal]
Subject: RE: Compton Road - Service Protection Structure

Categories: DMS

Hi [personal]

The actual dimension below is 1310mm

Thanks

[personal]

From: [personal]@driveengineering.com.au>
Sent: Friday, 24 September 2021 8:12 AM
To: [personal]@bielby.com.au>
Cc: ws2sd <ws2sd@tmr.qld.gov.au>; [personal]@driveengineering.com.au>; matthew.x.kelly@tmr.qld.gov.au; [personal]@bhjv.com.au>
Subject: FW: Compton Road - Service Protection Structure
Importance: High

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Could you get back to me with the dimension asap.

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[personal]

[personal]

ADMINISTRATOR
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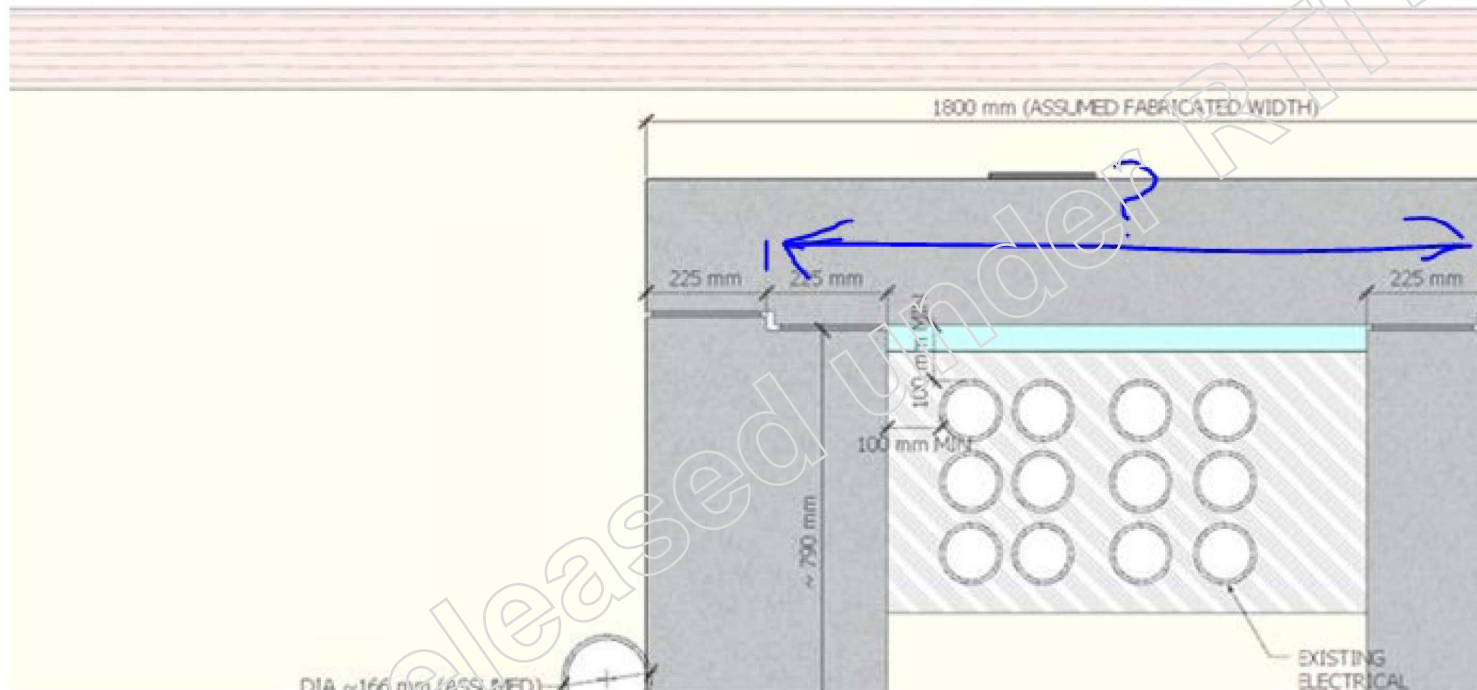
DRIVE
ENGINEERING PTY LTD
ABN 55 152 420 936

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To: [redacted] personal [redacted]@jacobs.com>
Cc: [redacted] personal [redacted]@driveengineering.com.au>; [redacted] personal [redacted]@driveengineering.com.au>; SD2LR <SD2LR@tmr.qld.gov.au>
Subject: [EXTERNAL] FW: Compton Road - Service Protection Structure

Hi [redacted] personal [redacted]

Further to the correspondence below, please provide a revised reinforcement detail for Option 1 on the assumption that 210kPa is achieved.

In the case that 210kPa can't be achieved BHJV have indicated that the fixing of any complex reinforcement for the widened section below the water main would be unachievable while still keeping the water main in position. The lower section would need to be mass concrete as nominated below. Could you review and also provide an Option 2 detail with mass concrete base as a back-up.

Could you please save both of these details direct to a priority for update to suit the position of the water main given my upcoming leave.

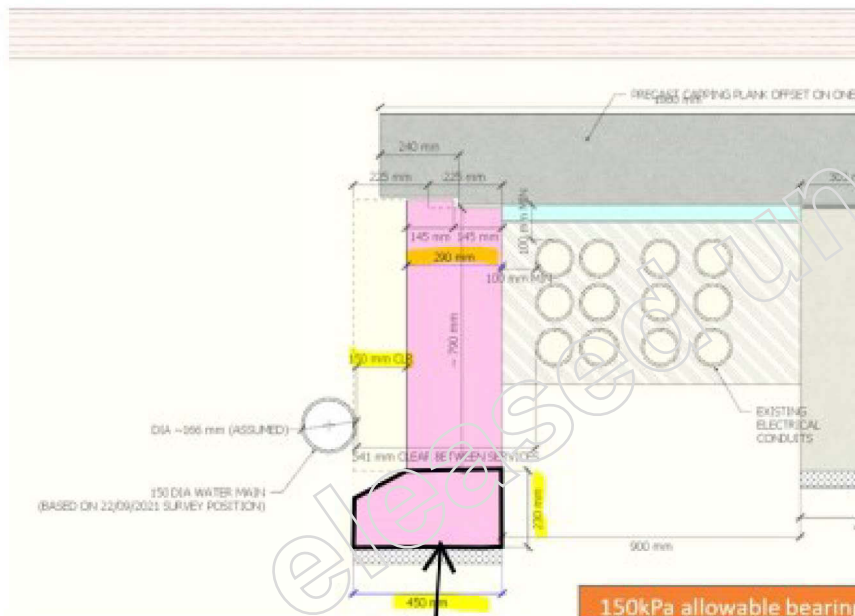
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Cc: [personal] <[personal]@bhjv.com.au>; ws2sd <ws2sd@tmr.cld.gov.au>; [personal] <[personal]@driveengineering.com.au>; [personal] <[personal]@driveengineering.com.au>
Subject: RE: Compton Road - Service Protection Structure

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Subject: FW: Compton Road - Service Protection Structure
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Sent: Wednesday, 22 September 2021 5:09 PM
To: **personal** <personal@driveengineering.com.au>
Cc: **personal** <personal@driveengineering.com.au>; **personal** <personal@driveengineering.com.au>; **personal** <personal@tmr.qld.gov.au>; Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: FW: Compton Road - Service Protection Structure

Hi **personal**

In response to **CTPI** email, on the Energex protection structure, I have been advised that the issue with lifting up one of the support legs is that it starts to load the adjacent water main.

The two options to achieve the LCC requirement of 150mm clearance to the main are as below:

- 1) If 210kPa bearing pressure can be achieved, the leg of the structure next to the main can be narrowed as shown.
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Could you please check with BHJV which option can be achieved and we will reissue reinforcement details for the leg adjacent the water main.

Kind Regards

Matt Kelly
Principal Engineer (Civil)

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [redacted] personal [redacted]@jacobs.com>
Sent: Wednesday, 22 September 2021 4:54 PM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: FW: Compton Road - Service Protection Structure

Matt,

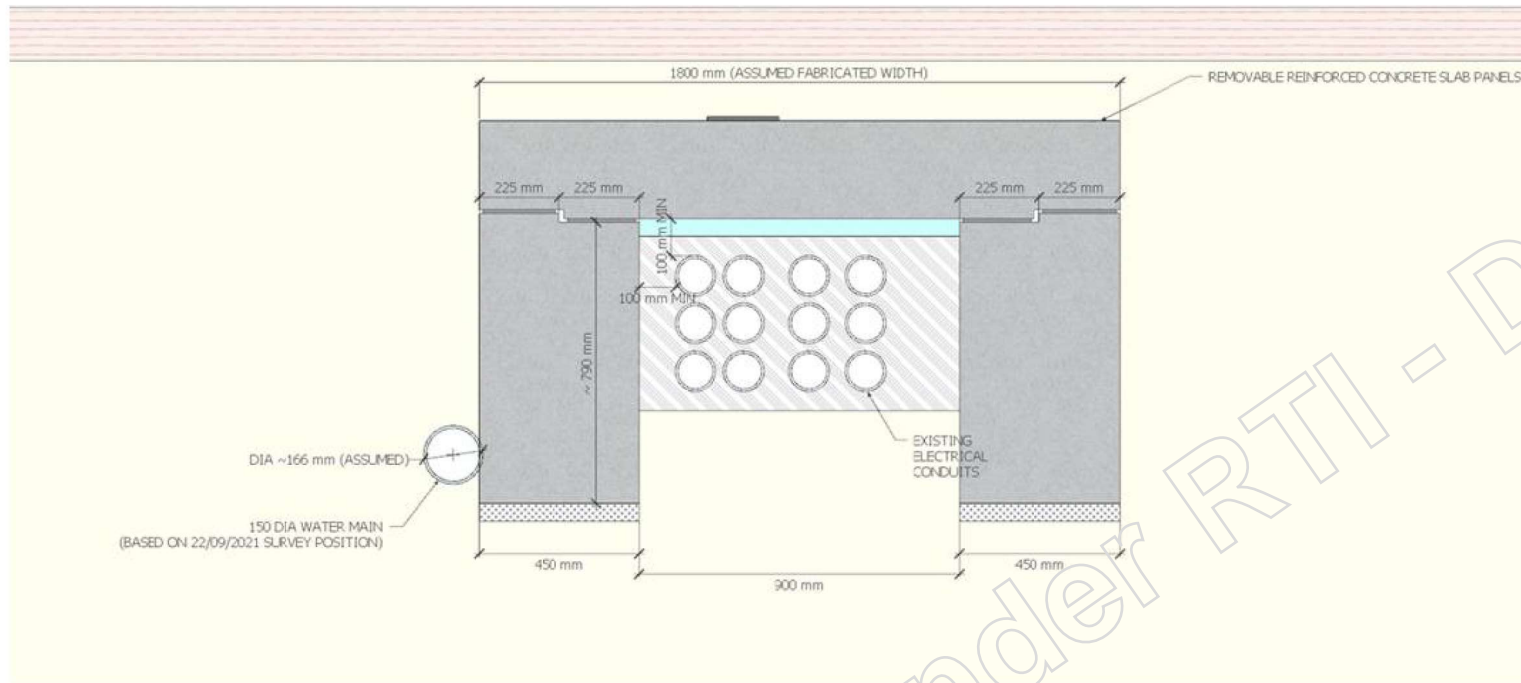
Some options presented by [redacted] personal information found below which I would like to discuss further

Thanks

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Sent: Wednesday, 22 September 2021 4:34 PM
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Subject: Compton Road - Service Protection Structure

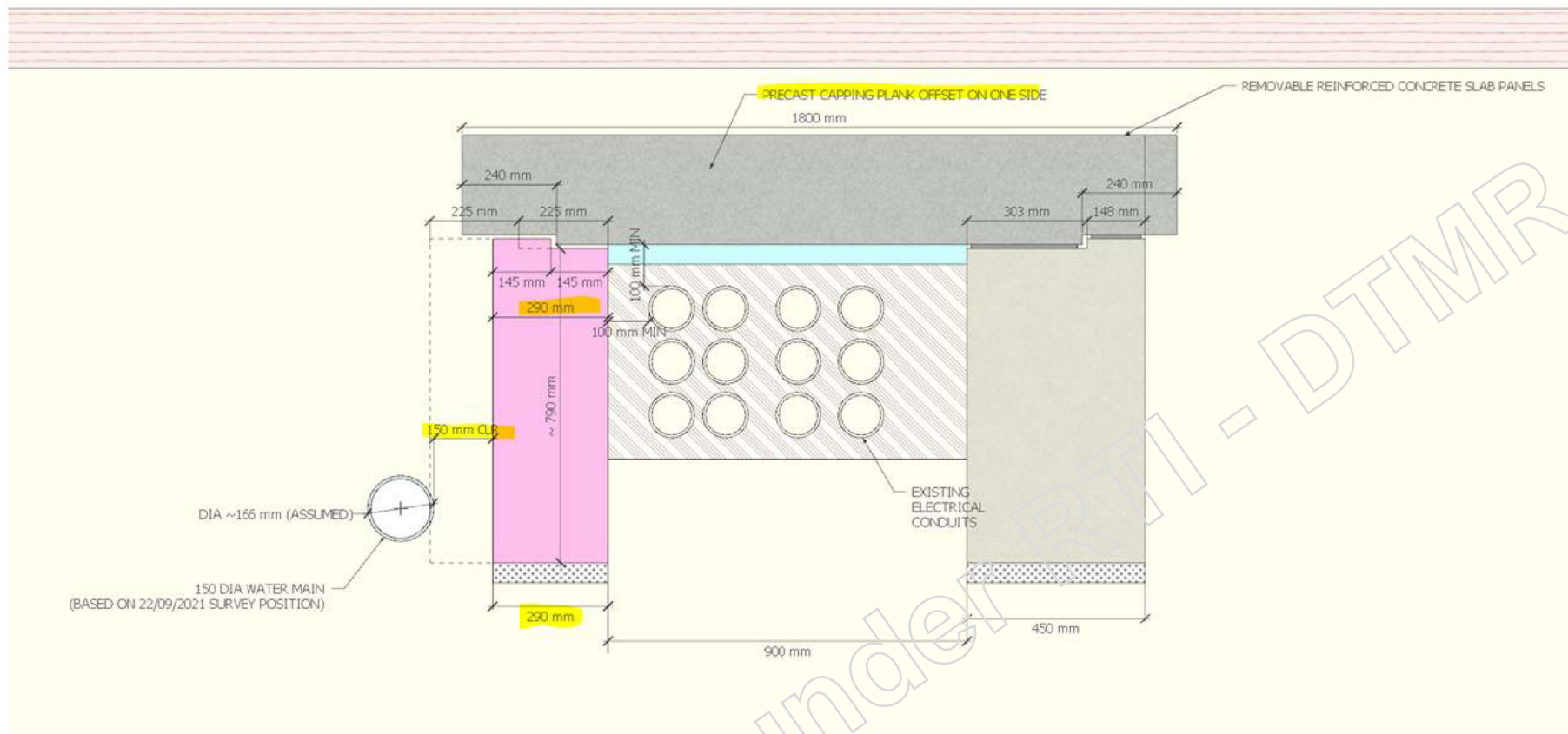
[redacted] personal

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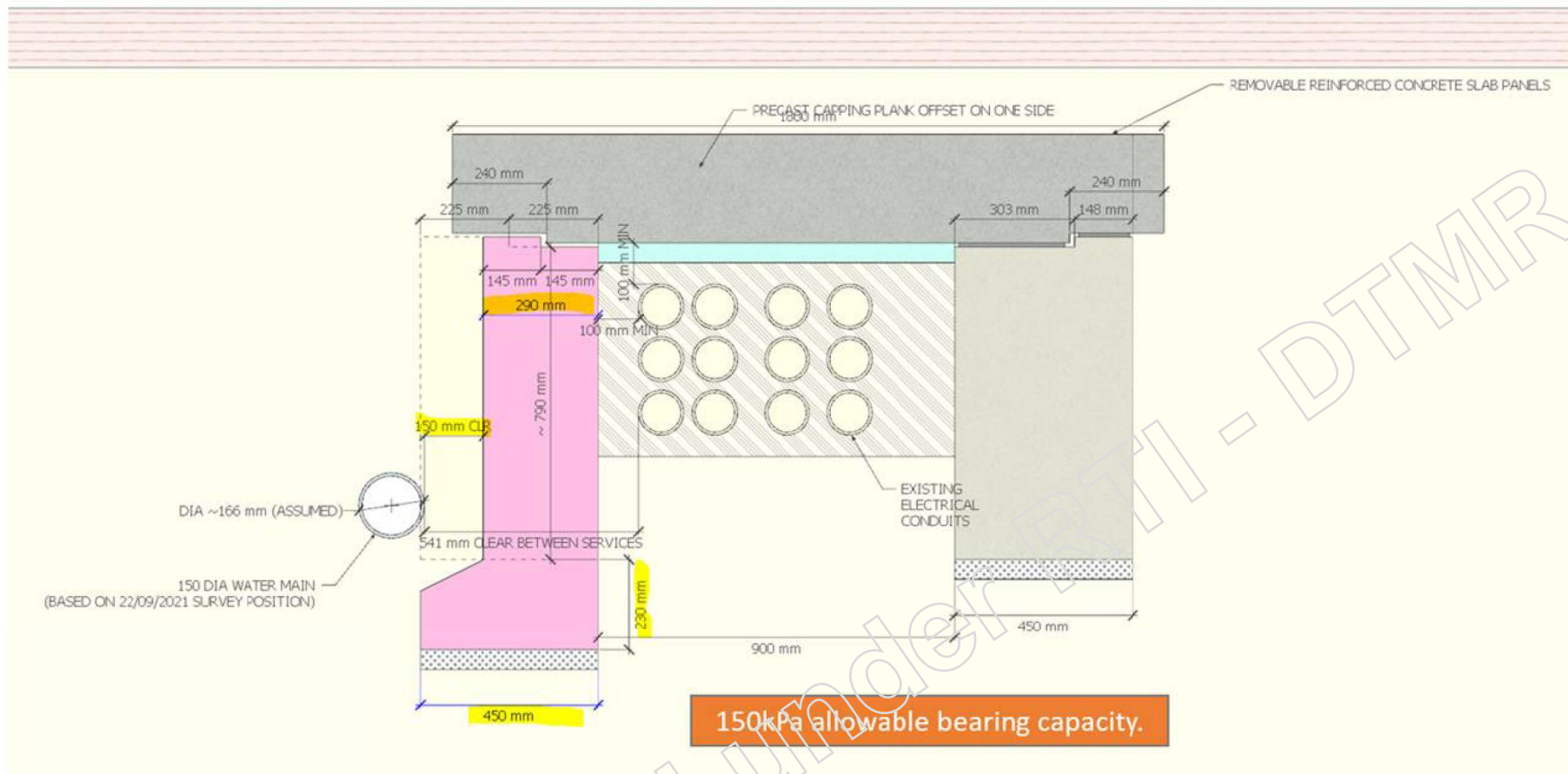
The option of maintaining achieving 150mm lateral clearance to the water main can be achieved by thinning out the footing, however this increases the minimum required allowable bearing capacity to ~210kPa as per the previous advice. Whether this is achievable is not known, however verbal advise was that 150kPa was the limit.

OPTION 1: ~210kPa ALLOWABLE BEARING PRESSURE ACHIEVABLE - NARROWER FOOTING



To maintain the (verbally advised) 150kPa allowable bearing capacity, the base of the footing can be flared out to 450mm wide beneath the water main. The issue with this is it involves a deeper excavation and also undermines the water main and/or HV electrical conduits. These services would clearly require some temporary support during construction and there is significant risk of damage.

OPTION 2: ~150kPa ALLOWABLE BEARING PRESSURE - NARROWER FOOTING FLARED TO 450MM WIDE BENEATH WATER MAIN



I also understand the precast RC lids have / are current in fabrication. Aligning the edge recesses in these planks to the upstands on the footings might need a little modification of the footings and overhang of the precast panels, so treat the above as indicative of the concept until I can get the adopted recess dimensions.

Some direction in terms of where to from here would be appreciated.

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personal

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Released under RTI - DTMR

ws2sd

From: [personal]@driveengineering.com.au>
Sent: Friday, 24 September 2021 3:23 PM
To: [personal]
Cc: ws2sd; [personal] Matthew X Kelly; SD2LR; IH179200; [personal]
Subject: RE: Compton Road - Service Protection Structure

Importance: High

Categories: DMS

Hi [personal]

In Matt's absence, I've received the attached dimensions from BHJV in relation to your query on the precast lid.

Let me know if you need any further info to progress this issue.

Cheers

[personal]



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The actual dimension below is 1310mm.

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Could you get back to me with the dimension asap.

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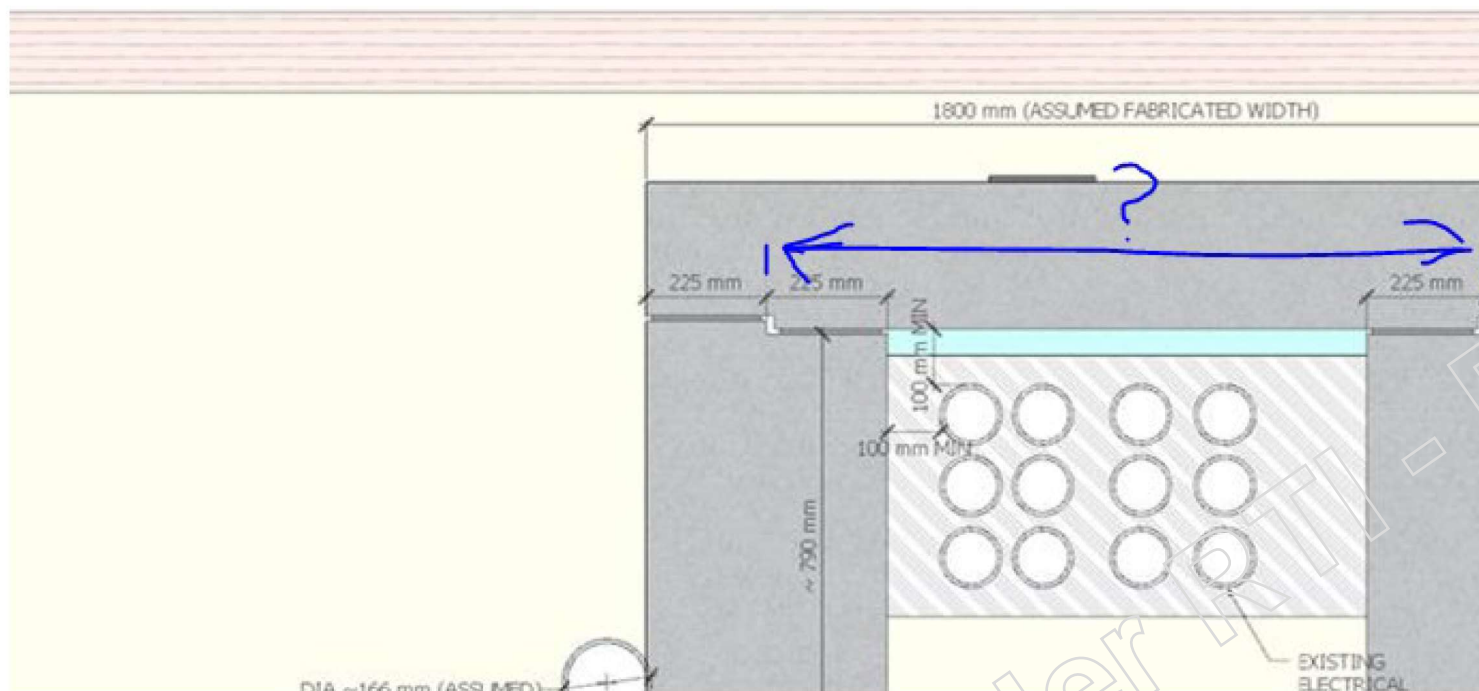


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To: [redacted] personal <[redacted]@jacobs.com>
Cc: [redacted] personal <[redacted]@driveengineering.com.au>; [redacted] personal <[redacted]@driveengineering.com.au>; SD2LR <SD2LR@tmr.qld.gov.au>
Subject: [EXTERNAL] FW: Compton Road - Service Protection Structure

personal information

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In the case that 210kPa can't be achieved BHJV have indicated that the fixing of any complex reinforcement for the widened section below the water main would be unachievable while still keeping the water main in position. The lower section would need to be mass concrete as nominated below. Could you review and also provide an Option 2 detail with mass concrete base as a back-up.

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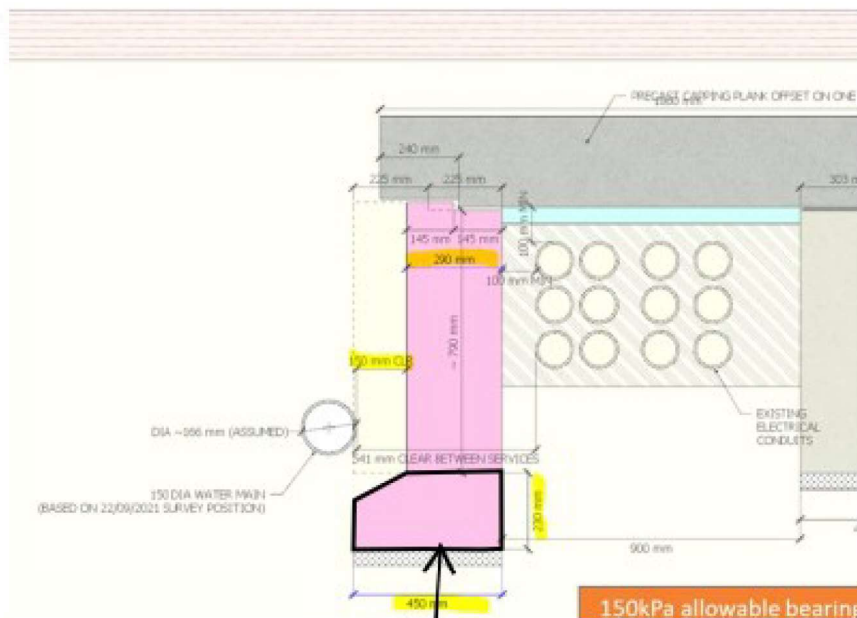
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Subject: RE: Compton Road - Service Protection Structure

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Cc: personal <personal@bhjv.com.au>; ws2sd <ws2sd@tmr.cld.gov.au>; personal <personal@driveengineering.com.au>; personal <personal@driveengineering.com.au>

Subject: FW: Compton Road - Service Protection Structure

Importance: High

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Could you let me know which option you prefer, or alternatively another option (taking into account timing and the fact the slab has already been cast?). If you can get back to me today, we can progress with Council to resolve.

Cheers

personal

personal

ADMINISTRATOR
BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)

Mobile NR Email personal @driveengineering.com.au



DRIVE
ENGINEERING PTY LTD
ABN 55 152 420 936

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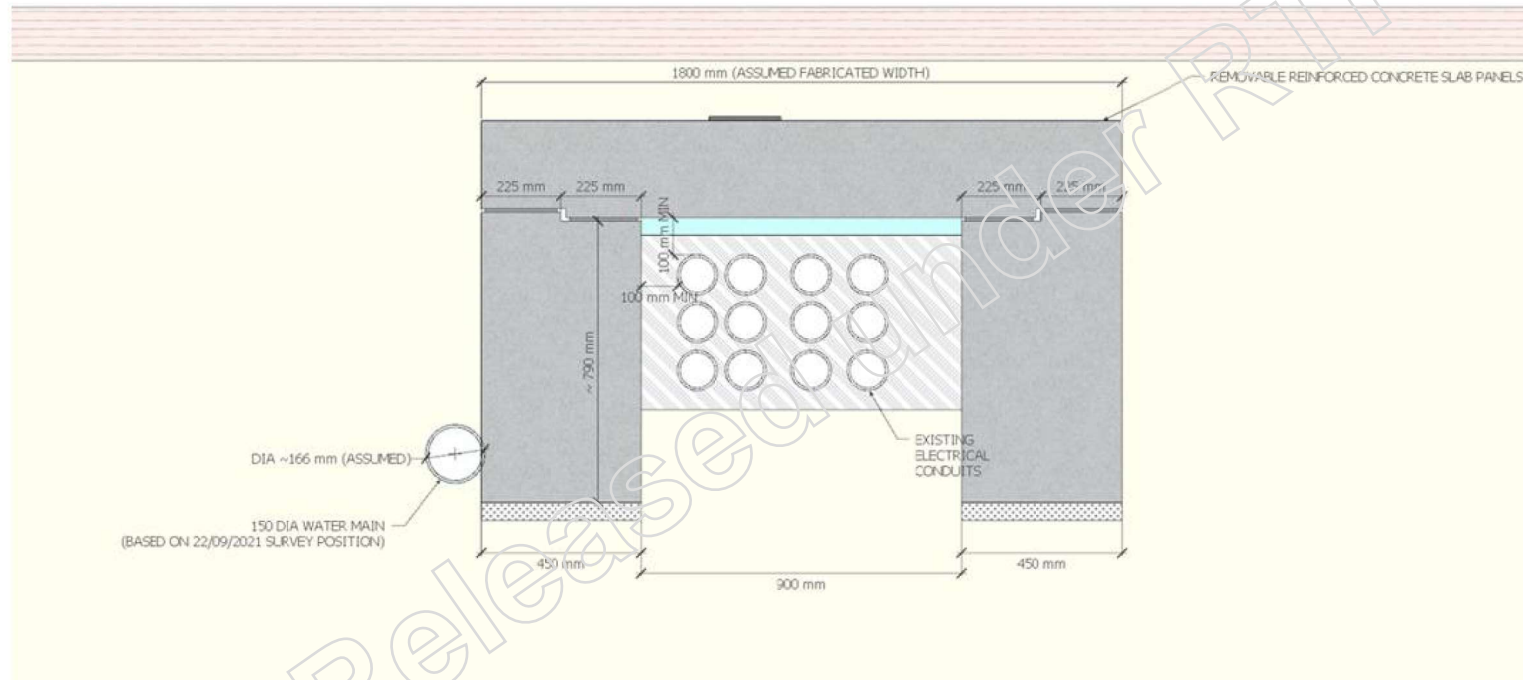
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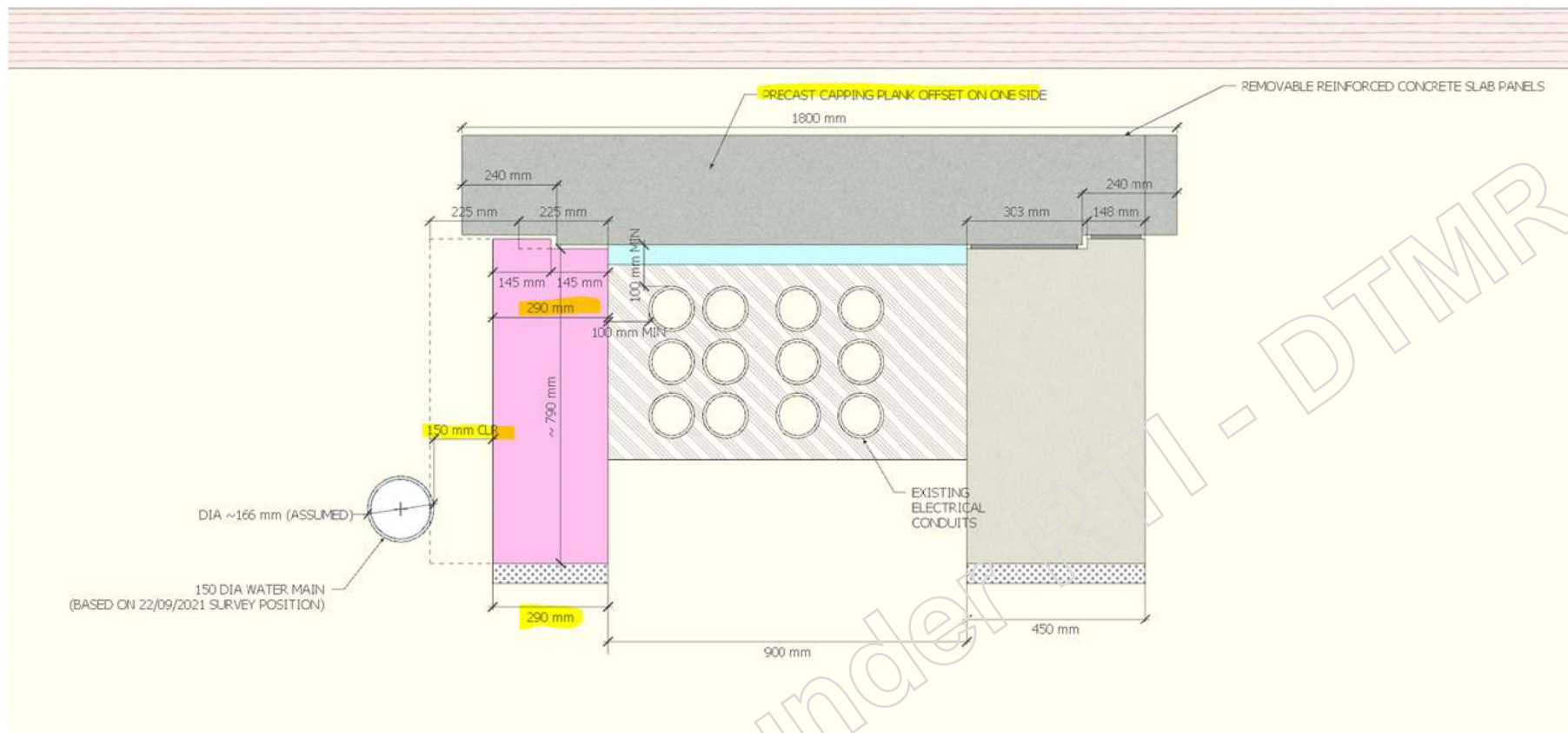
CHO

CURRENT SCENARIO



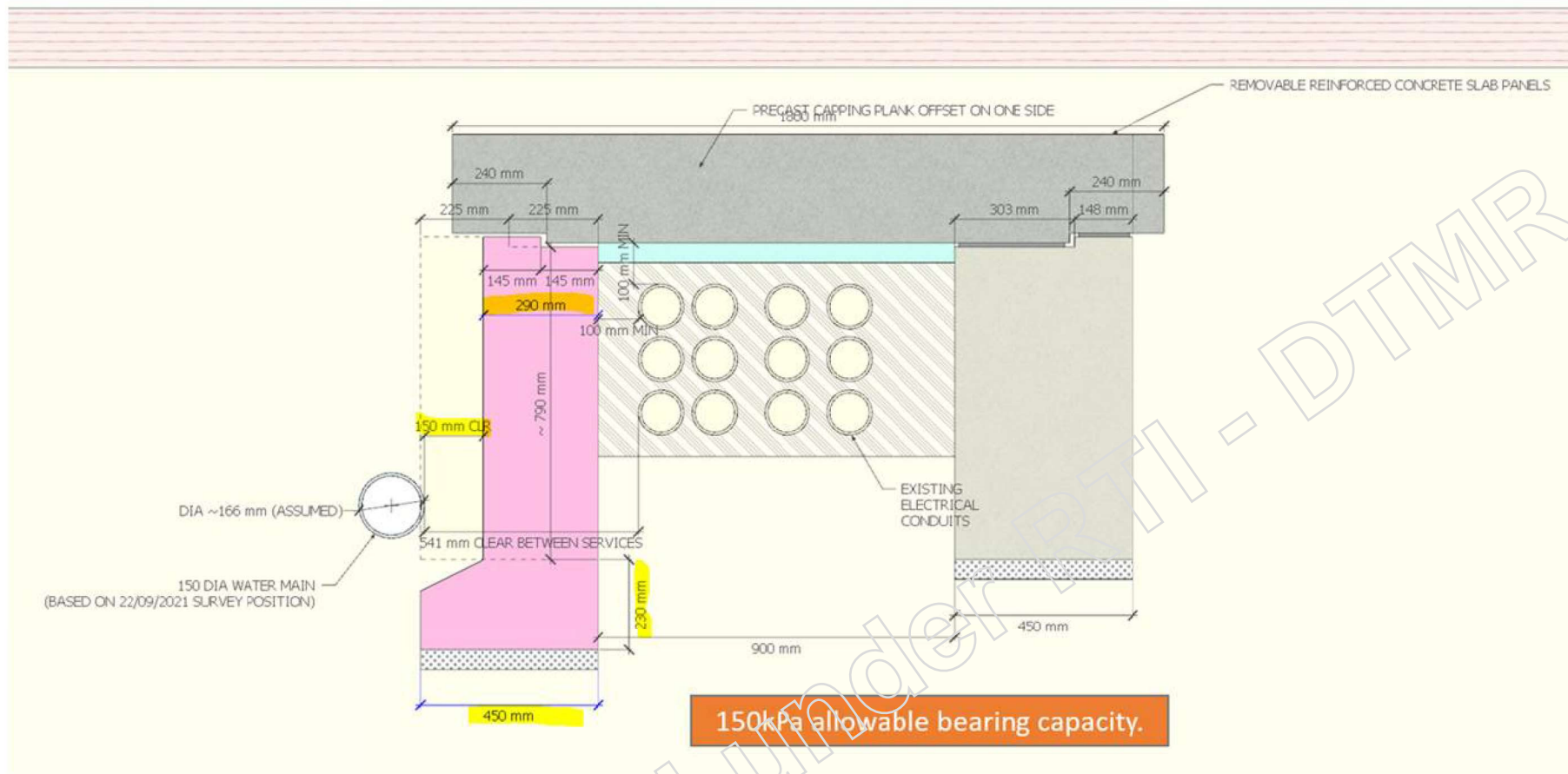
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Released under RTI - DTMR

ws2sd

From: [personal]@driveengineering.com.au>
Sent: Friday, 24 September 2021 3:48 PM
To: [personal]
Cc: ws2sd; Matthew X Kelly; [personal]
Subject: RE: Compton Road - Service Protection Structure
Attachments: 2021-09-24 - ENERGEX SERVICE PROTECTION STRUCTURE AT COMPTON RD – Rev B.pdf

Categories: DMS

Thank [personal]

Please see attached amended detail for construction – detailing has been provided for two options, which depend on the bearing capacity achieved.

Let me know if any issues.

Cheers, [personal]



From: [personal]@bielby.com.au>
Sent: Friday, 24 September 2021 3:07 PM
To: [personal]@driveengineering.com.au>
Cc: ws2sd <ws2sd@tmr.qld.gov.au>; [personal]@driveengineering.com.au>; Matthew X Kelly <matthew.x.kelly@tmr.qld.gov.au>; [personal information]@bhjv.com.au>
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ADMINISTRATOR

BEng (Civil), FIEAust, CPEng, RPEQ, EngExec, NER, APEC Engineer, IntPE (Aus)

Mobile: NR Email: personal@driveengineering.com.au


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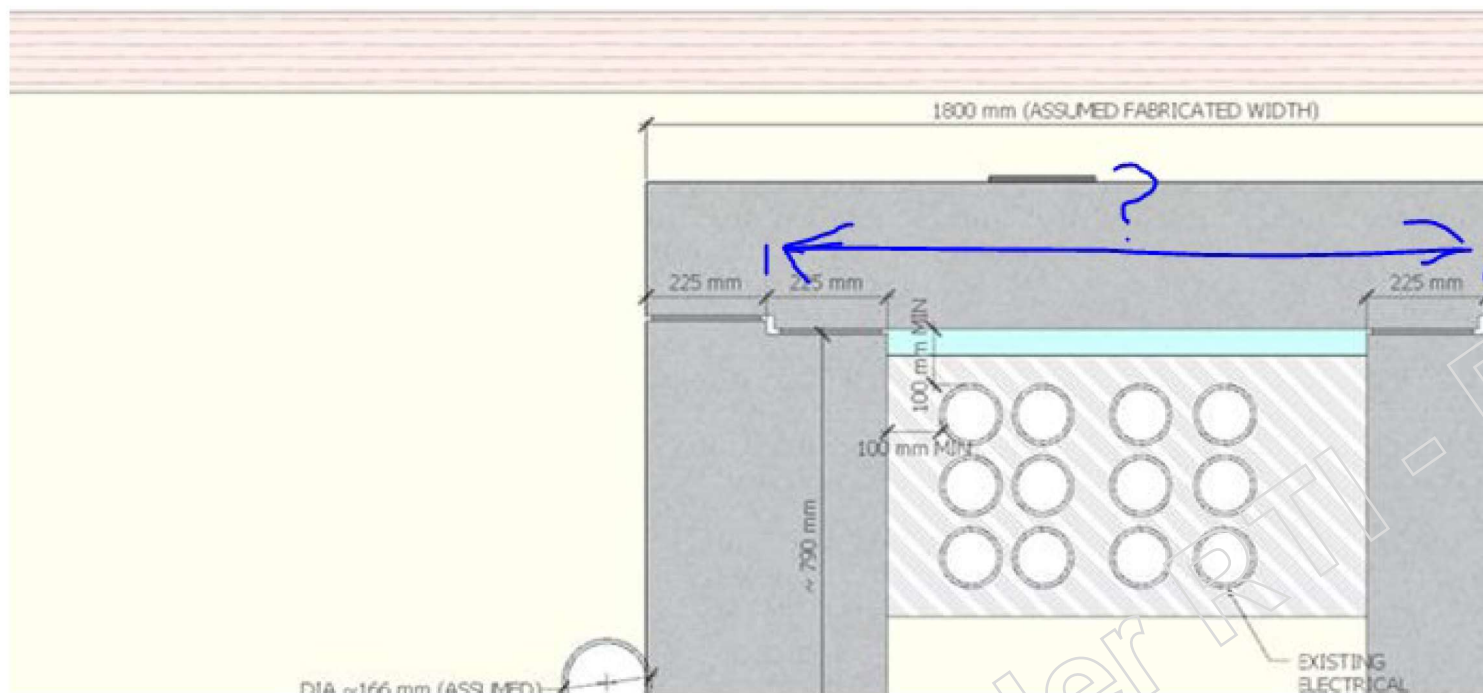
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Cc: [redacted] personal <[redacted]@driveengineering.com.au> [redacted] personal <[redacted]@driveengineering.com.au>; SD2LR <SD2LR@tmr.qld.gov.au>

Subject: [EXTERNAL] FW: Compton Road - Service Protection Structure

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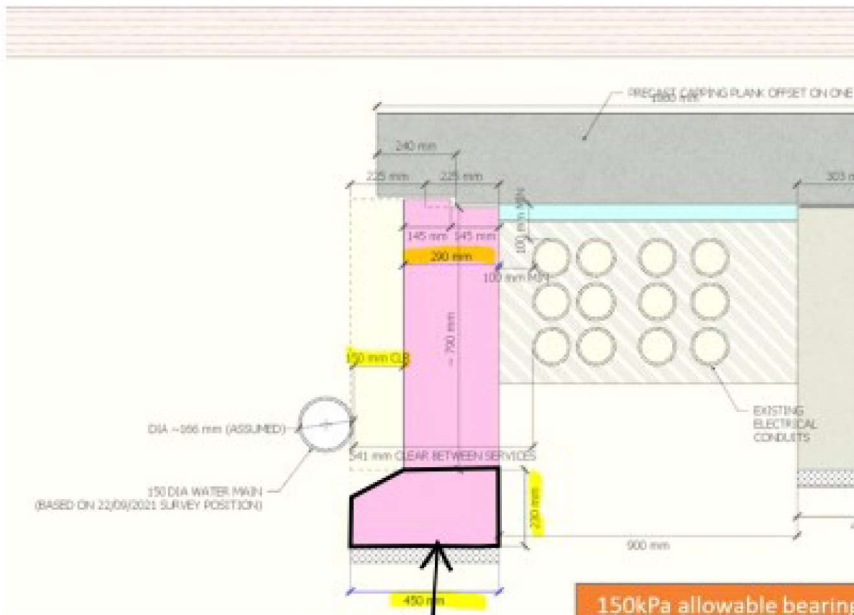
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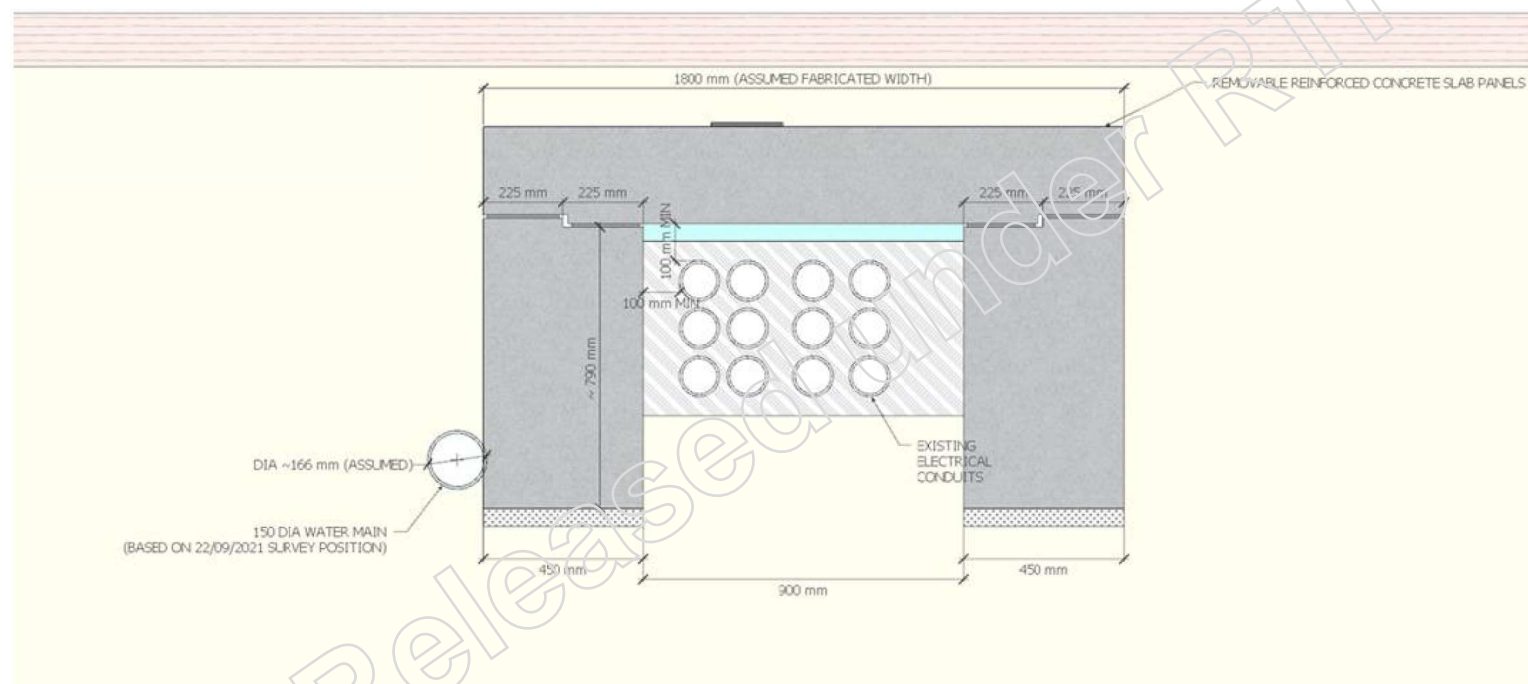
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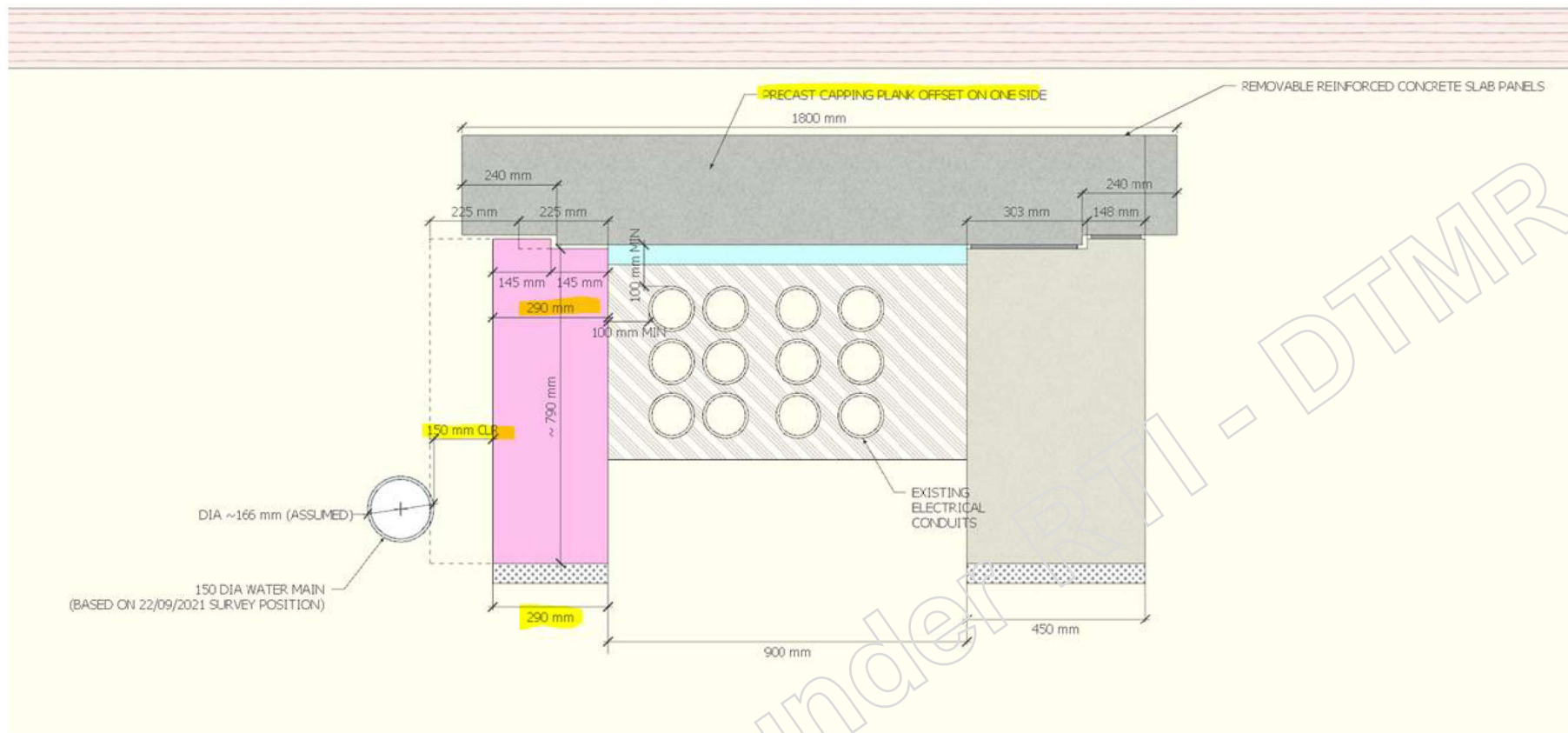
CHO

CURRENT SCENARIO



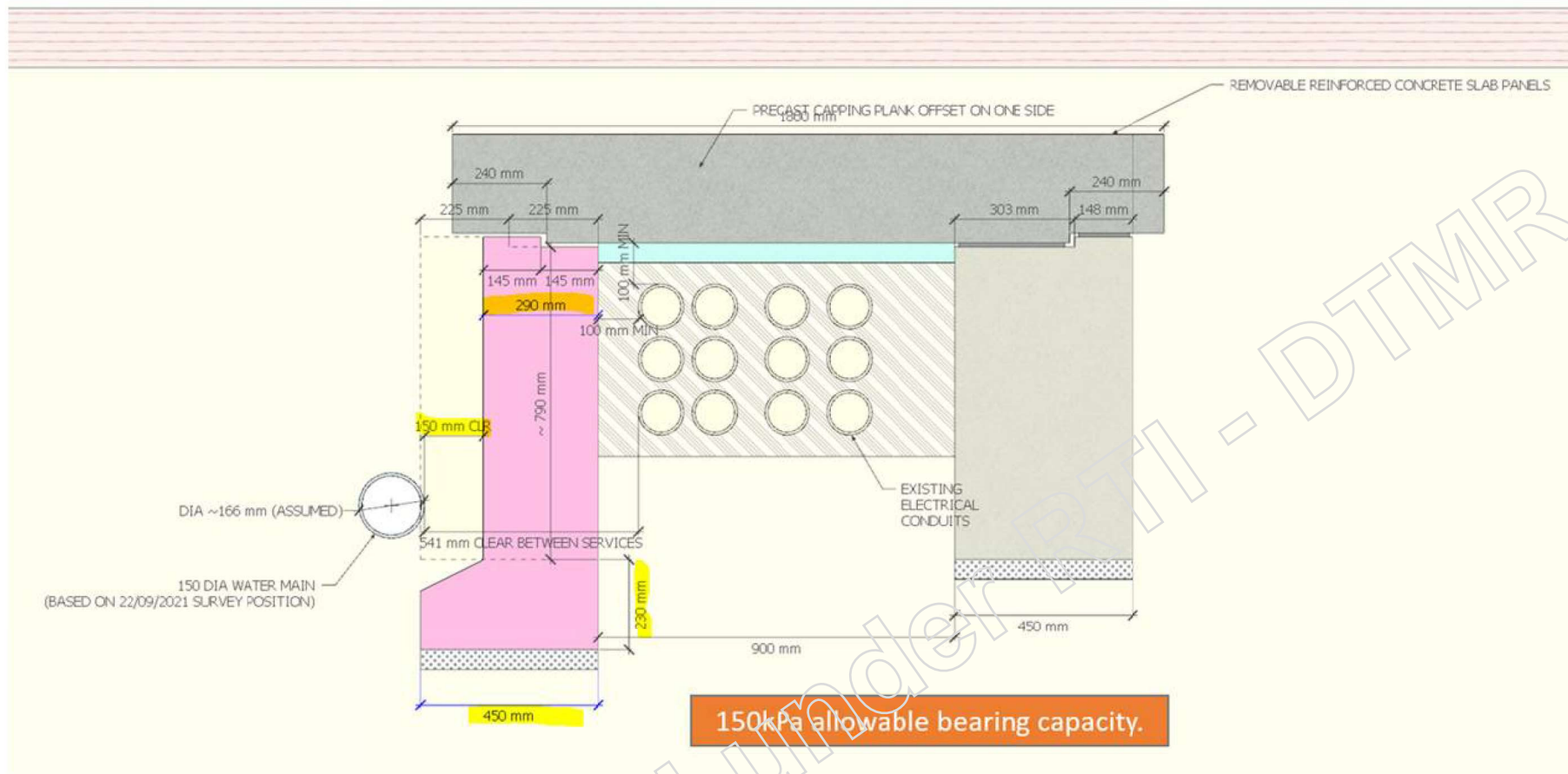
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Released under RTI - DTMP

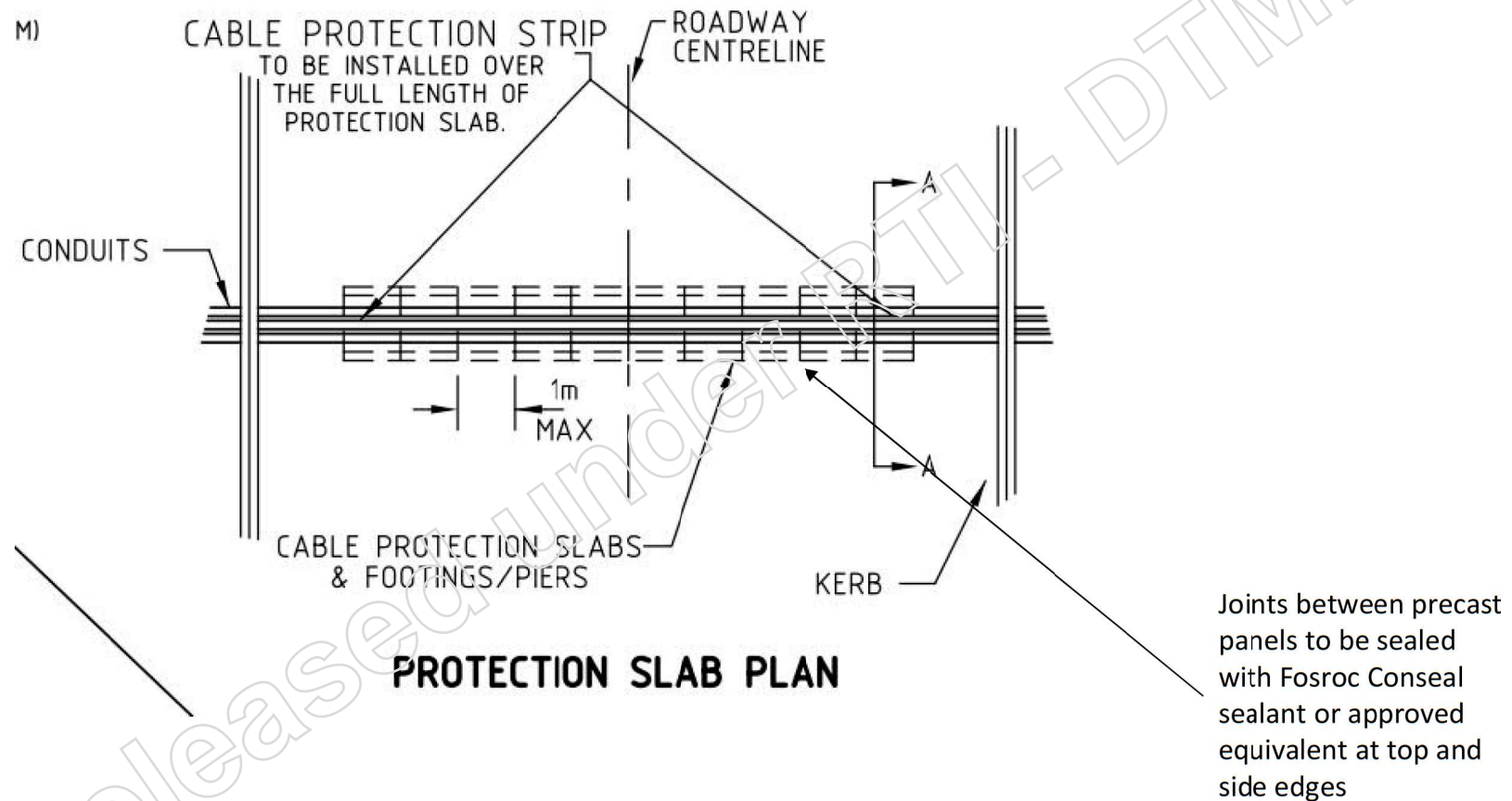
ENERGEX PROTECTION STRUCTURE - COMPTON ROAD

REV B

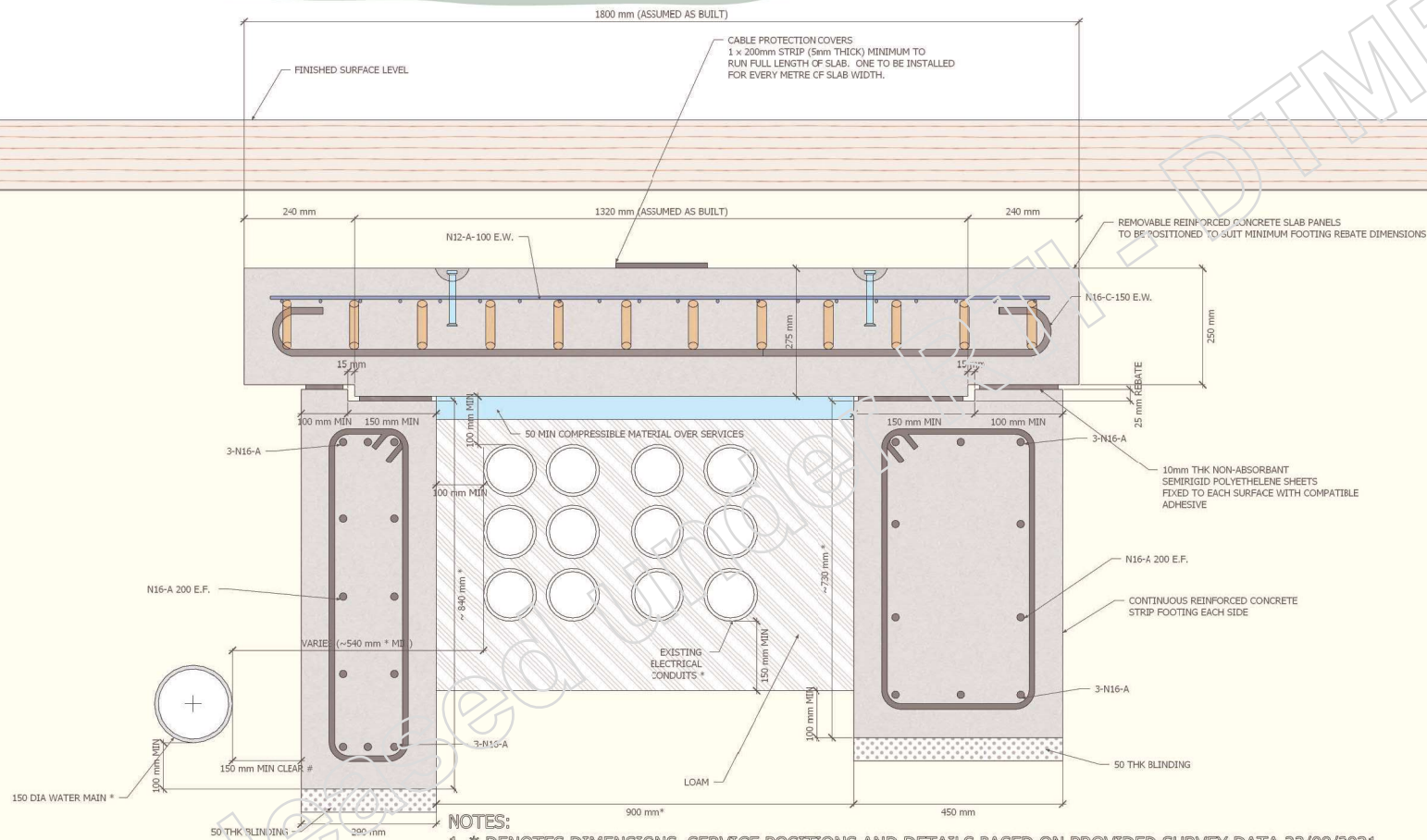
24/09/2021

- AMENDED TO REFLECT SURVEY SERVICE POSITIONS (22/09/21 SURVEY DATA).

ENERGEX SERVICE PROTECTION STRUCTURE AT COMPTON RD – PLAN

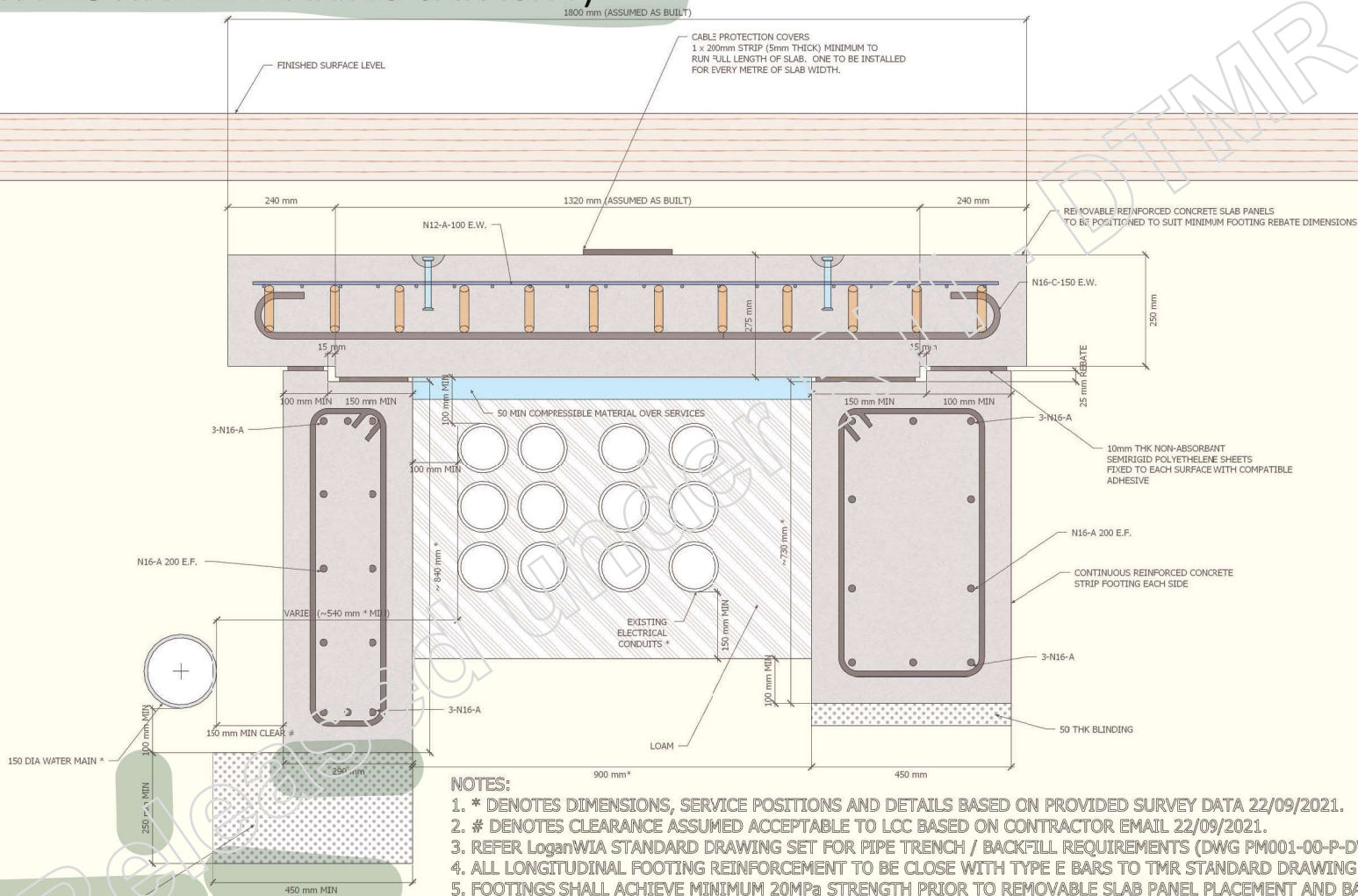


ENERGEX SERVICE PROTECTION STRUCTURE AT COMPTON RD – TYPICAL CROSS SECTION
(210kPa ALLOWABLE BEARING CAPACITY)



1. * DENOTES DIMENSIONS, SERVICE POSITIONS AND DETAILS BASED ON PROVIDED SURVEY DATA 22/09/2021.
2. # DENOTES CLEARANCE ASSUMED ACCEPTABLE TO LOC BASED ON CONTRACTOR EMAIL 22/09/2021.
3. REFER LoganWIA STANDARD DRAWING SET FOR PIPE TRENCH / BACKFILL REQUIREMENTS (DWG PM001-00-P-DWG-ND-0050).
4. ALL LONGITUDINAL FOOTING REINFORCEMENT TO BE CLOSE WITH TYPE E BARS TO TMR STANDARD DRAWING 1043.
5. FOOTINGS SHALL ACHIEVE MINIMUM 20MPa STRENGTH PRIOR TO REMOVABLE SLAB PANEL PLACEMENT AND BACKFILL.
6. PROTECTION STRUCTURE REQUIRED WHERE SERVICE COVER IS <750mm.
7. FOOTING DIMENSIONS SHOWN ASSUME MINIMUM 210 kPa ALLOWABLE BEARING PRESSURE IS ACHIEVABLE.

ENERGEX SERVICE PROTECTION STRUCTURE AT COMPTON RD – TYPICAL CROSS SECTION
(150kPa ALLOWABLE BEARING CAPACITY)



20MPa MASS CONCRETE POUR
TO SHED LOAD TO ACHIEVE MINIMUM
150kPa ALLOWABLE BEARING PRESSURES

- NOTES:

1. * DENOTES DIMENSIONS, SERVICE POSITIONS AND DETAILS BASED ON PROVIDED SURVEY DATA 22/09/2021.

2. # DENOTES CLEARANCE ASSUMED ACCEPTABLE TO LCC BASED ON CONTRACTOR EMAIL 22/09/2021

3. REFER LoganWIA STANDARD DRAWING SET FOR PIPE TRENCH / BACK-FILL REQUIREMENTS (DWG PM001-00-P-DWG-ND-0050).

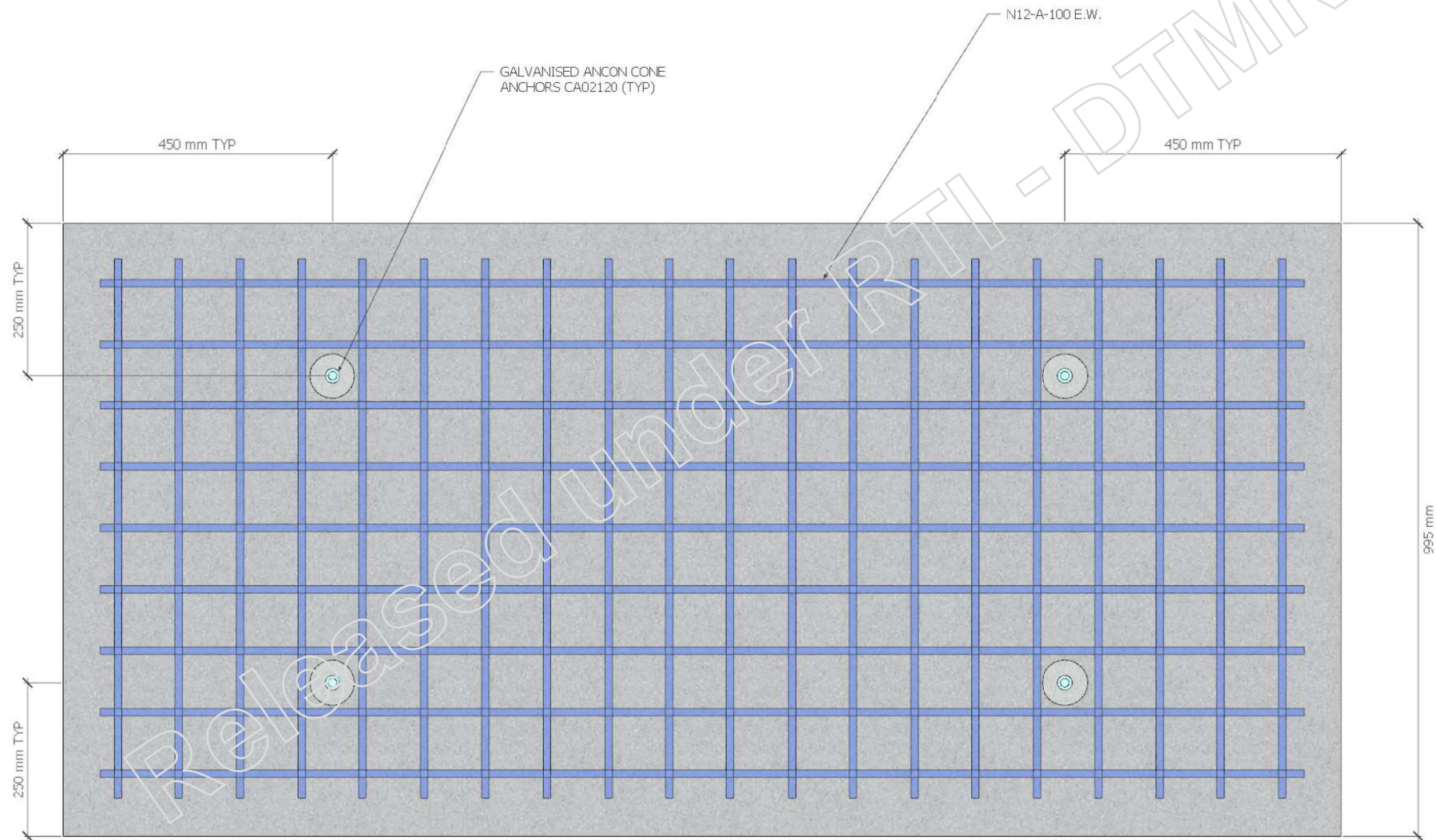
4. ALL LONGITUDINAL FOOTING REINFORCEMENT TO BE CLOSE WITH TYPE E BARS TO TMR STANDARD DRAWING 1043.

5. FOOTINGS SHALL ACHIEVE MINIMUM 20MPa STRENGTH PRIOR TO REMOVABLE SLAB PANEL PLACEMENT AND BACKFILL.

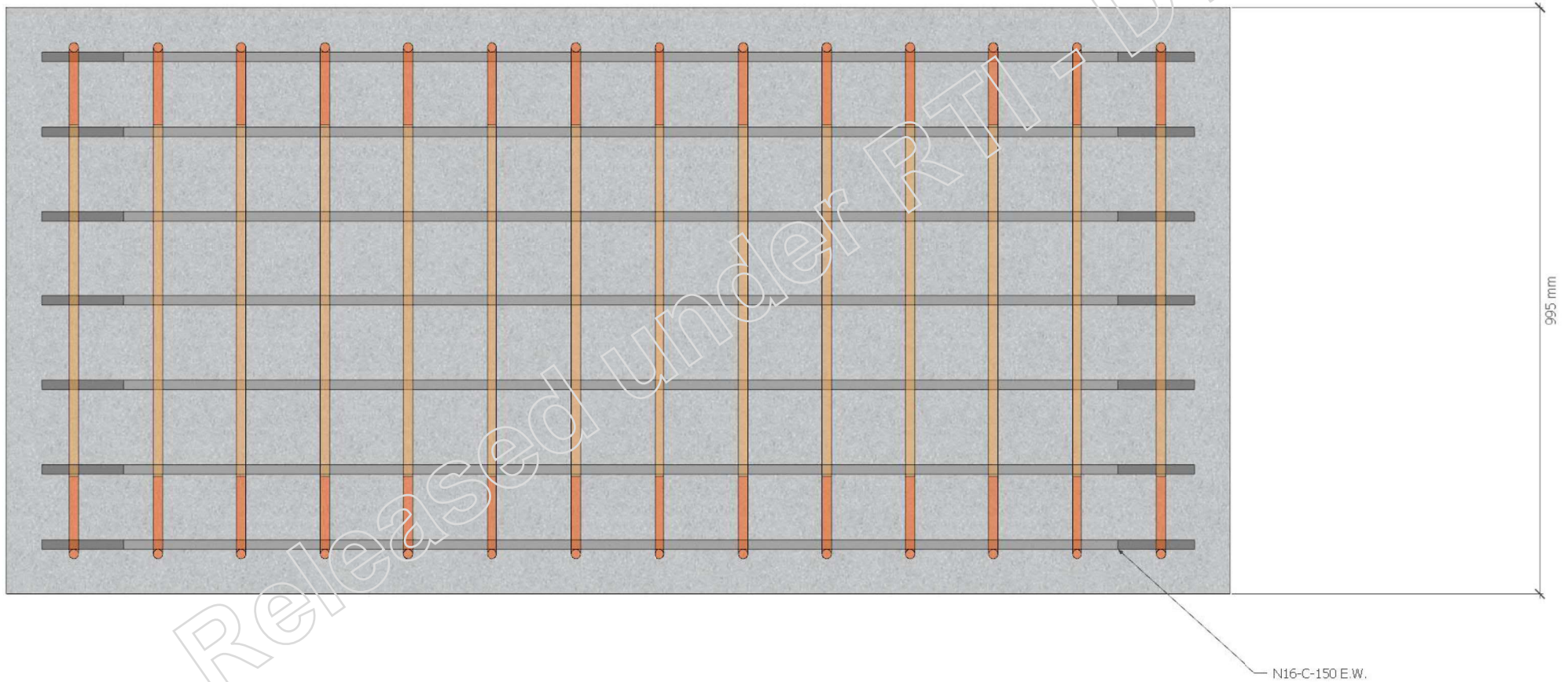
6. PROTECTION STRUCTURE REQUIRED WHERE SERVICE COVER IS <750mm

7. FOOTING DIMENSIONS SHOWN ASSUME MINIMUM 150 kPa ALLOWABLE BEARING PRESSURE BASED ON CONTRACTOR GUIDANCE.

REMOVABLE SLAB PANELS - TOP SURFACE REO AND LIFTING ANCHORS



REMOVABLE SLAB PANELS - BOTTOM SURFACE REO



NOTES

DRAFT

CONCRETE AND DURABILITY REQUIREMENTS

1. All concrete work shall be in accordance with MRTS70.
2. Exposure Classification, concrete class and cover to be as follows:

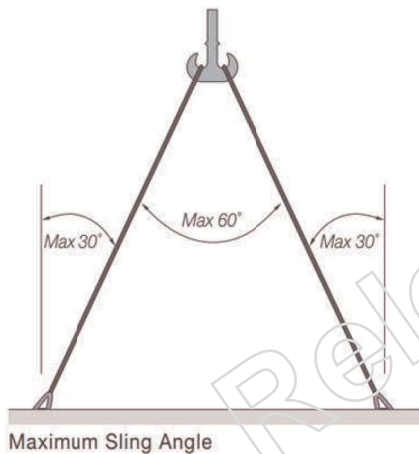
ELEMENT	EXPOSURE CLASSIFICATION	STRENGTH F _{CD} (MPa)	MAX. AGGREGATE SIZE (mm)	REINFORCEMENT COVER (mm)
Base Slab	B2	S40	20	60 topside 70 underside
Deck Slab	B2	S40	20	60
Blinding Concrete	—	N20	20	—

NOTE:

- The class designated specifies the required characteristic cylinder strength at 28 days (MPa).

Restrictions for lifting/ transportation are as follows:

- The panels are to be lifted in a horizontal position only, with loads equalised between all lifting points at all times.
- Concrete strength at time of initial lifting is to exceed 28MPa strength
- Lifting is to be undertaken by Franna crane operating on flat ground only.
- All lifting operations should be undertaken to minimise dynamics (e.g. slow operations)
- Sling angles are not to exceed 60 degrees as shown below.



DESIGN LOADS

1. Design loads have been determined in accordance with AS 1170 and AS 5100 using the following parameters:

Traffic Loading	W80, A160, SM1600 (AS5100.2)
Concrete Unit-weight	24.5kN/m ³ + 0.6kN/m ³ for each 1% of steel reinforcement
Dynamic Load Allowance	In accordance with AS5100.2 – 2017 Table 7.7.2
Soil Unit Weight	22 kN/m ³

FOUNDATION REQUIREMENTS:

1. Required minimum

NOT REQUIRED.

TWO OPTIONS ARE PRESENTED:

- 1) BASED ON 150kPa ALLOWABLE BEARING CAPACITY (CONTRACTOR GUIDANCE).
- 2) BASED ON 210 kPa ALLOWABLE BEARING CAPACITY.

X' - Foot	ty
60	
55	
50	
45	
40	
35	
300 mm	206 kPa

OTHER:

1. All exposed edges to have 19x19 chamfers
2. Reinforcing steel to be read in conjunction with TMR standard drawings 1043 and 1044.

From: WHS Connect
Sent: Friday, 22 October 2021 3:46 PM
To: High Potential; Jeff A Lucht; Paul A Grant; Andrew S Matters; Amanda Yeates; Rohan M Davies; Andrew M Wheeler; Belinda L Stewart; Paul D Noonan; Robert E Ebbstein; Matthew X Kelly
Subject: Closed Incident - PAN 7817 - High Potential - Enforcement Notice: Skid Steer loader struck underground electrical power cabling
Attachments: PAN 7817 - Closed Incident Notification.pdf; PAN 7817 - Incident Notification.pdf

The above incident has been closed in the TMR Safeware incident database.

Please review the attached incident report and contact WHS Connect if:

- any of the information contained in the report is incorrect
- you have any additional information relating to the incident.

Please contact [WHS Connect](#) on 1800 867 947 if you have any questions or require further information.

Kind regards,

Kirk Deans

WHS Connect Officer | Health and Safety

Human Resources Branch | Department of Transport and Main Roads

Floor 6 | 61 Mary Street | Brisbane QLD 4000

GPO Box 1412 | Brisbane QLD 4001

P: (07) 1800 867 947

E: whs_connect@tmr.qld.gov.au

Privacy

TMR is required to comply with the 11 Information Privacy Principles contained in the *Information Privacy Act 2009*.

All personal information collected must be kept confidential. Any personal information collected about a worker must only be divulged to authorised persons for the sole purpose of managing health and safety risks. The information collected must not be disclosed to any third party without the workers consent unless required or authorised to do so by law.

Person affected:

CTPI

Details:

Name: Robyn Ballangarry

Person Type: personal information

Position Title: WHS Officer

Business Unit: Health & Safety

Person Workplace: personal information

Work Phone:

Email: ROBYN.M.BALLANGARRY@TMR.
QLD.GOV.AU

Notified On Behalf Of:

Name: CTPI

Person Type: Principal Contractor

Position Title:

Business Unit: M1 Upgrade Program

Person Workplace: Gold Coast District Off
FIG 36 Cotton St

Work Phone:

Email:

Details

Incident Type: Near Miss
Status: New
Time Zone: (UTC +10:00) Brisbane
Inc. Statistical Reporting: Yes
Date of Incident: Wednesday, 11 August 2021
Time of Incident: 8:00 PM
Date Logged: Friday, 13 August 2021
Time Logged: 8:43 AM
Assigned To: Matthew Kelly
Did an injury occur: No
Is confidential: No
Restricted Work Duties: No
HiPo: No

Risk Assessment

Inherent Rate:
Residual Rate:

Title

Skid Steer loader struck underground electrical power cabling

Description

PDO (South Coast Region) . Principal Contractor - Bielby Hull Joint Venture - (WS2SD – Watland Street to Sports Drive Project). Trenching works were being undertaken with the use of a skid steer loader with a trenching attachment. Underground power has been struck causing a localised network disruption resulting in power loss to approximately 350 residences. WHSQ attended the site during repair works and a Non-Disturbance Notice was issued requiring all works to cease in and around the service strike. A temporary fix was implemented by Energex to get the network back online. A WHSQ inspector attended the site at 7:00am on Thursday 12 August and advised the Non-Disturbance Notice had been lifted and an investigation would be commence. More permanent repair works by Energex will be undertaken at a future date. The Principal Contractor has been verbally advised that further Enforcement Notices will be issued relating to this incident. The Principal Contractor is in the process of completing an investigation and will provide further information when available. Enforcement notices were issued to the Principal Contractor the following day.

Security Impact

Security Impact: No
Identified Security:
Impact Description:

Environment Impact

Environmental Impact: No

Classification

Identify what occurred: Contact with electricity

What was the most significant cause: Other adults

Incident Location

The Incident is located: Non TMR Site,

Location Details: Logan Road & Compton Road Intersection -
Springwood. (WS2SD – Watland Street to Sports Drive Project)

Work/activity Being Performed

Work/Activity Category: Road Work / Construction / Maintenance

Work/Activity Frequency: Once Off

Activity Being Performed: Trenching works

Property Damage

Was there any property involved/damaged: No

Relevant Event

High Potential - Enforcement Notice

Witness Details

Witness Available: No

Vehicle Involved

Vehicle Involved: No

Notification

Manager/Supervisor: Matthew Kelly, 12/08/2021 11:37 AM

Other Internal Person: Paul Grant, 12/08/2021 1:46 PM

External Person:

Person affected:

CTPI

Details:

Name: Robyn Ballangarry

Person Type: personal information

Position Title: WHS Officer

Business Unit: Health & Safety

Person Workplace: personal information

Work Phone:

Email: ROBYN.M.BALLANGARRY@TMR.
QLD.GOV.AU

Notified On Behalf Of:

Name: CTPI

Person Type: Principal Contractor

Position Title:

Business Unit: M1 Upgrade Program

Person Workplace: Gold Coast District Off
FIG 36 Cotton St

Work Phone:

Email:

Details

Incident Type: Near Miss
Status: Closed
Time Zone: (UTC +11:00) Brisbane
Inc. Statistical Reporting: Yes
Date of Incident: Wednesday, 11 August 2021
Time of Incident: 8:00 PM
Date Logged: Friday, 13 August 2021
Time Logged: 8:43 AM
Assigned To: Matthew Kelly
Did an injury occur: No
Is confidential: No
Restricted Work Duties: No
HiPo: No

Risk Assessment

Inherent Rate: High
Residual Rate: Medium

Title

Skid Steer loader struck underground electrical power cabling

Description

PDO (South Coast Region) . Principal Contractor - Bielby Hull Joint Venture - (WS2SD – Watland Street to Sports Drive Project). Trenching works were being undertaken with the use of a skid steer loader with a trenching attachment. Underground power has been struck causing a localised network disruption resulting in power loss to approximately 350 residences. WHSQ attended the site during repair works and a Non-Disturbance Notice was issued requiring all works to cease in and around the service strike. A temporary fix was implemented by Energex to get the network back online. A WHSQ inspector attended the site at 7:00am on Thursday 12 August and advised the Non-Disturbance Notice had been lifted and an investigation would be commence. More permanent repair works by Energex will be undertaken at a future date. The Principal Contractor has been verbally advised that further Enforcement Notices will be issued relating to this incident. The Principal Contractor is in the process of completing an investigation and will provide further information when available. Enforcement notices were issued to the Principal Contractor the following day. Update: 13/08/2021 - Bielby Hull JV has been issued with a Prohibition Notice, and two Improvement Notices (P1026774, I2058062, I2058063). Prohibition Notice P1026774. Bielby Hull Joint Venture (JV) failed to ensure, so far as reasonably practicable the provision and maintenance of safe systems of work in relation to excavations near underground essential services. Improvement Notice I2058062. Bielby Hull JV failed to ensure that actions took place to confirm the location of underground assets. You have

not ensured that High Risk Construction Work is carried out in accordance with the SWMS. Improvement Notice I2058063. Bielby Hull JV did not ensure that you have provided information obtained under subsection 304 (2) to any person engaged by the person to carry out the excavation work. NOTE: This information was confirmed in an interview with a PC supervisor.

Security Impact

Security Impact: No

Identified Security:

Impact Description:

Environment Impact

Environmental Impact: No

Classification

Identify what occurred: Contact with electricity

What was the most significant cause: Other adults

Incident Location

The Incident is located: Non TMR Site,

Location Details: Logan Road & Compton Road Intersection - Springwood. (WS2SD – Watland Street to Sports Drive Project)

Work/activity Being Performed

Work/Activity Category: Road Work / Construction / Maintenance

Work/Activity Frequency: Once Off

Activity Being Performed: Trenching works

Property Damage

Was there any property involved/damaged: No

Relevant Event

High Potential - Enforcement Notice

Witness Details

Witness Available: No

Vehicle Involved

Vehicle Involved: No

Notification

Manager/Supervisor: Matthew Kelly, 12/08/2021 11:37 AM

Other Internal Person: Paul Grant, 12/08/2021 1:46 PM

External Person:

Days Lost

0

Immediate Action taken after being notified

No injury was sustained to the operator however, the operator was escorted to a medical facility for precautionary examination. The event was reported to WHSQ, Notification No - Ref 82262. WHSQ attended the site during repair works and a non-disturbance notice was issued requiring all works to cease in and around the service strike. A WHSQ inspector attended the site at 7:00am on Thursday 12 August and advised the non-disturbance notice had been lifted and an investigation would be commenced. Two improvement and two prohibition notices were issued relating to this incident.

Control Measure 1

Control Method:	5 - Administration - Adopting safe work practices or providing appropriate training, instruction or information
Control Description:	Retraining for site management - supervisor/leading hand - in use of SWMS and Ground Disturbance Permit Process
Expected Completion Date:	Friday, 22 October 2021
Person Responsible:	personal
Status:	Completed
Actual Completion Date:	Friday, 24 September 2021

Notes

Note Date/Time	Created By	Note Type	Note Sub-Type	Details	Created Date/Time
22/10/2021 03:06 PM	Kirk Deans	Investigation		KD - 22/10/2021 - General Manager Les Dunn has signed the incident investigation on 19/10/2021. The root causes have been determined as: 1. Failure to follow SWMS 201 Excavations - use of potholing and positive identification. 2. Failure to identify underground services to all parties - Ground disturbance permit not issued to operator. 3. Previously installed underground service indicators had been removed but not re-instated.	22/10/2021 04:08 PM

Matthew X Kelly

From: [personal]@driveengineering.com.au>
Sent: Tuesday, 2 November 2021 1:24 PM
To: Matthew X Kelly
Cc: Michael Z Kavourakis; [personal]
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment
Attachments: image3.jpeg; image6.jpeg; image5.jpeg; image7.jpeg; image1.jpeg; image2.jpeg

Hi Matt,

Please see attached a few extra photos, as requested.

Cheers, [personal]

[personal]

ADMINISTRATOR'S REPRESENTATIVE
BEng (Civil) (Hons), BBusiness (Man), Masters Construction Law (Hons), CFEng, MIEAust, RPEQ

Mobile: NR Email: [personal]@driveengineering.com.au



DRIVE
ENGINEERING PTY LTD
ABN 55 152 420 936

From: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Sent: Thursday, 28 October 2021 10:56 AM
To: [personal]@driveengineering.com.au>
Cc: Michael Z Kavourakis <michael.z.kavourakis@tmr.qld.gov.au>
Subject: FW: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment
Importance: High

Hi [personal information]

[personal information], could you check with BHJV if they have a picture of the protection slab legs and final product prior to covering with asphalt please.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [personal]@driveengineering.com.au>
Sent: Monday, 25 October 2021 10:32 AM
To: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Cc: [personal]@driveengineering.com.au>; Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment
Importance: High

Hi Matt

I've included a selection of photos taken (see attached).

Hopefully that will do the trick.

Cheers

personal



From: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>

Sent: Friday, 22 October 2021 10:04 AM

To: personal@driveengineering.com.au

Cc: personal@driveengineering.com.au; Michael Z Kavourakis <michael.z.kavourakis@tmr.qld.gov.au>

Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi personal

Could you please shoot through any photos of the protection slab works and we will close the loop on this with Energex as per their request below.

Kind Regards

Matt Kelly

Principal Engineer (Civil)

South Coast Region/ Eight Mile Plains Office

Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113

PO Box 442 | Nerang QLD 4211

(07) 5563 6434

matthew.x.kelly@tmr.qld.gov.au

www.tmr.qld.gov.au

From: Matthew X Kelly

Sent: Wednesday, 25 August 2021 12:14 PM

To: personal@driveengineering.com.au

Cc: personal@driveengineering.com.au; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>; ws2sd <ws2sd@tmr.qld.gov.au>

Subject: FW: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi personal

Please see below email from Energex endorsing the instructed course of action (as attached) to protect the 11 kV service at the Compton Rd slip lane in order to keep the program moving.

Could you please ensure the inspectors take photographs of the slab during and after construction as Energex have requested.

Kind Regards

Matt Kelly
Principal Engineer (Civil)
South Coast Region/ Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
(07) 5563 6434
matthew.x.kelly@tmr.qld.gov.au
www.tmr.qld.gov.au

From: [personal]@energyq.com.au>
Sent: Tuesday, 24 August 2021 5:10 PM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au> [personal]@energyq.com.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

Yep, im happy to proceed with the below including highlighted note.

As noted aware we are still awaiting a response from our standards team and I think the below is a good course of action to make safe pending the decision. Please document and take photo's of protection slab once constructed.

Thanks
[personal]

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Tuesday, 24 August 2021 4:37 PM
To: [personal]@energyq.com.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [personal]

Thanks again for sending through the detail below.

As discussed earlier, to mitigate the risk of any ongoing delay to TMR's contractor proceeding with the pavement construction activities at Compton Road – we are proposing to install the protection slab detail in accordance with Energex Standard Drawing 6229-A4 C2-3.2 (attached PDF version and excerpt below) – in anticipation of the decision from Energex's standards team.

Based upon the attached long section, and Note 2 on the standard drawing – can you foresee any issues with TMR's proposed approach to install the protection slab detail for the extent between CH. 48.000 and 54.000 only?

Feel free to give me a call to discuss if required.

Thanks

Michael

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

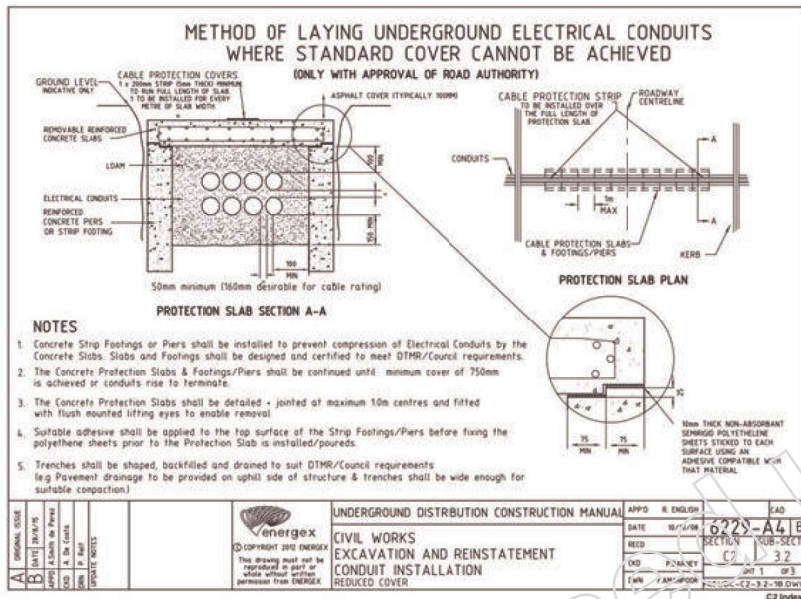
18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
M: [personal]
P: 5563 6437



From: personal @energyq.com.au>

To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>

FYI, there is another probably more applicable shallow conduit drawing from our manual in which I think (if any) will be approved for this application. The one we previously used is more for avoiding obstacles such as sewer main and should only be used for 5m max. The one in this email is more for trucks running over conduits due to road boxing etc

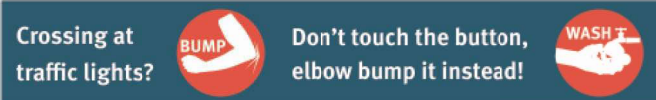


personal

To: personal [@energyq.com.au](mailto:personal@energyq.com.au)>

Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
M: [redacted]
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
www.tmr.qld.gov.au



Crossing at traffic lights? Don't touch the button, elbow bump it instead!

From: [redacted] personal <[redacted]@energyq.com.au>
Sent: Monday, 23 August 2021 7:37 AM
To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Still awaiting a response sorry Kav. Our standards department are now involved...

Thanks
[redacted] personal

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Thursday, 19 August 2021 10:27 AM
To: [redacted] personal <[redacted]@energyq.com.au>
Cc: [redacted] personal <[redacted]@driveengineering.com.au>; Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>; [redacted] personal <[redacted]@driveengineering.com.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [redacted] personal

Answers to the queries below in blue.

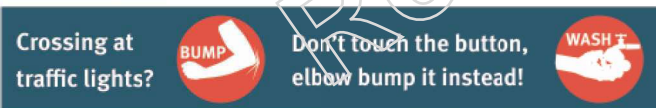
Based on these responses, what chance do you think we are of getting a resolution today?

Thanks

Michael

Michael Kavourakis
M1 North Project | Eight Mile Plains Office
Program Delivery and Operations | Department of Transport and Main Roads

18 Brandl Street | Eight Mile Plains QLD 4113
PO Box 442 | Nerang QLD 4211
M: [redacted]
P: 5563 6437
Michael.z.kavourakis@tmr.qld.gov.au
www.tmr.qld.gov.au



Crossing at traffic lights? Don't touch the button, elbow bump it instead!

From: [redacted] personal <[redacted]@energyq.com.au>
Sent: Thursday, 19 August 2021 9:50 AM

To: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: RE: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi Michael,

Can I just confirm a few things please?

1. TMR are raising road levels not reducing them? – correct
2. The area in discussion was previously a road way, ie not previously footpath, now road – the new slip lane is partially over exiting carriageway and partially over existing verge
3. What is the AC/ pavement depth? – the total pavement depth is 630 mm (this comprises of 2 x 50 mm layers of asphalt, 1 x 180 mm layer of asphalt and 350 mm of gravel)
4. IS this the area where the 11kV cable was hit and repaired by Energex or the area where the unidentified conduit was hit? – this is where the 11kV cable was struck

Thanks

personal

From: Michael Z Kavourakis <Michael.Z.Kavourakis@tmr.qld.gov.au>
Sent: Wednesday, 18 August 2021 9:39 AM
To: [redacted] personal <[\[redacted\]@energyq.com.au](mailto:[redacted]@energyq.com.au)>
Cc: Matthew X Kelly <Matthew.X.Kelly@tmr.qld.gov.au>; Ross J Poidevin <Ross.J.Poidevin@tmr.qld.gov.au>
Subject: Logan Road / Compton Road intersection - 11kV Energex Protective Treatment

Hi [redacted] personal

Thanks very much for the chat.

As you're aware and as discussed, there are a number of emails flying around regarding the 11kV Energex conduits / cables which were struck beneath the Logan Road / Compton Road left-turn slip lane – adjacent to the existing substation.

Jacobs have prepared the attached long section, which shows the ultimate residual cover for the full length of the Energex alignment beneath Compton Road – and have clouded the area where the ultimate residual cover was 'on the cusp' of Energex's minimum cover requirements under a Logan City Council road.

You'll note that the minimum cover will ultimately be 737 mm, quickly increasing on either side to >800mm.

We're hoping you're able to help us out by having some discussions internally (with [redacted] and any others), to determine the most appropriate course of action.

Based on our discussion, TMR and BHJV would be happy to proceed with any of the following options:

1. Construct a concrete protection slab in accordance with the Energex standard detail below, for full width of the slip lane (approximately 11 m)
2. Construct a concrete protection slab in accordance with the Energex standard detail below, for the shallowest 5 m section
3. Construct the pavement box immediately above the existing conduits (approximately 750 mm deep) installing the hard cover strip only, without the concrete protection slab

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