

# **SPARK – North East Link – Primary Package**

## **Inspection and Test Plan (ITP)**

ITP Title: Type A Fill Placement
ITP Number: NEL-CNT-SDC-2990-PQA-ITP-0027 Rev 1
LOT Number:
Primary Asset Location Code:
Discipline: Earthworks

Security Classification: OFFICIAL Spark NELP Approval Record

Function	Position	Name	Signature	Date
Prepared By	Quality Representative	Joe Failla	Joe Failla Date: 2022.09.09 14:21:06	
Reviewed By	Project Engineer	Dominic Ciccone	Domenic Ciccone E-domenio	ned by Domenic Ciccone :ciccone@sparknel-dc.com.au, CN=Domenic Ciccone .09.09 14:57:23+10'00'
Approved By	Quality Manager	Greg Iro		lly signed by Greg Iro 2022.09.09 16:16:31 0'

#### Note:

- 1. Ensure all Records or Checklist References are attached and that each Inspection Requirement is clearly named, signed, and dated.
- 2. Ensure every Records or Checklist References attached are legible
- 3. This Inspection Test Plan may be generic ensure the requirement is demographically clear to your scope of work
- 4. Verification Inspections where applicable for the IREA stated as "Witness" or "Hold" shall be formally notified for their engagement and with sufficient advance notice time (i.e. 3 days or as agreed with the Sub-IREA Representative and/or the Nominated Authority)
- 5. All Nominated Authority Hold Points are Witness Points for Sub-IREA
- **6.** The Sub-IREA representative is not required to physically sign-off on ITPs



Proje	ect: SPARK -	- North East Li	nk Primary Pa	ckage Client: State of Victoria and the	e North E	ast Link Sta	te Tolling Co	rporation				
ITP 1	Title: Type A	Fill Placement								Reference IFC Drawing		
Desc	cription: This	ITP covers Ty	pe A fill place	ment across project wide.						Standard (October 20	<b>is:</b> VR 204 (Decem 008)	ber 2015), VR 173
ITP I	No: NEL-CN	T-SDC-2990-F	QA-ITP-0027	Rev No: 1								
Lot N	No:		Loc	ation:		Ch:	to	Offset:	to	Lay	er:	
Item	Responsible	Inspection and Test	Specification	Accontance Critoria	Method	Test Frequency	Inspection	on/Verification (N	lame, signature	& date)	Records/ Documents	Field Notes / Comments
No.	Person	Activity	Reference	Acceptance Criteria			Sub- Contractor	Spark NEL Engineer	Nominated Authority	IREA		
1.0	Preliminaries (la	nclude all aspects	of Materials, Appr	ovals, IFC Drawings, etc. Ensure all required per	rmits have	been raised prid	or to commencin	g works)				
1.1	PE	IFC Drawings issued	IFC Drawing Number: PSDR Part 6 Section 2(h)	IFC Drawings, approved plans, technical specification issued for construction  Construction of any Construction Package must not commence until at least 5  Business days after the later of when: i). the Construction Documentation has been submitted to the State, the IREA and any Returned Asset Owner (if applicable) in accordance with section 2(f) and ii). Any requirements of the IREA under section 2(g) have been complied with.	V	PW	NR	HP	NR	NR	IFC Drawings	
1.2	PE	Survey Set Out	CQMP IFC Drawings	Confirmation and visually inspect survey set out as per the IFC Drawing.	V	PW	HP	НР	NR	NR	InEight     Document     References:     Lot Map	
1.3	PE	Calibration Approval	CQMP	Equipment calibration certificates filed in Ineight.     Ensure all equipment associated with the relevant works is calibrated.	V	PW		WP			InEight     Document     References:	
2.0	Operations (Inc	lude Work Execut	ion – Installation /	Manufacturing Process step-by-step)								



(October 2008)

Project: SPARK – North East Link Primary Package Client: State of Victoria and the North East Link State Tolling Corporation

ITP Title: Type A Fill Placement

References:

IFC Drawings

Description: This ITP covers Type A fill placement across project wide.

Standards: VR 204 (December 2015), VR 173

ITP No: NEL-CNT-SDC-2990-PQA-ITP-0027 Rev No: 1

Lot No: Location: Ch: to Offset: to Layer:

Item	Responsible	Inspection and Test Activity	Specification Reference	Acceptance Criteria	Test	Test	Inspection	on/Verification (N	Name, signature	& date)	Records/ Documents	Field Notes / Comments
No.	Person				Method	Frequency	Sub- Contractor	Spark NEL Engineer	Nominated Authority	IREA		
2.1	Nominated Authority	Pre- condition	VR 204.10 (b) VR 204.04 VR 204.06	<ul> <li>No fill placement shall commence on the prepared areas until the area has been reviewed by the Superintendent.</li> <li>Note: Material classified as silt, either before of after compaction, is not acceptable as Type A material without stabilisation to the satisfaction of the Superintendent (VR204.04b).</li> </ul>	V	PW	NR	WP	HP	WP	Signed ITP	
2.2	PE	Verify Material Properties	IFC Drawings VR 204.04	<ul> <li>Approved material won from site or approved imported fill shall be moisture conditioned in accordance with the recommendations of the Geotechnical</li> <li>Report prior to being placed in uniform horizontal layers of 200mm maximum depth.</li> </ul>	V	PW	NR	WP	NR	NR	NATA Test Reports  Geotechnical Report  Material Certificates	
2.3	SE	Fill Placement	IFC Drawing VR 204.10 (d)	Type A Material  - Shall be placed in locations shown on the drawings, if surplus Type A material is available, it may be used in locations specified for Type B material.  - Type A material shall be spread and compacted in layers not exceeding a compacted thickness of 200mm.  - Type A structural material shall be in accordance with the requirements of clause 204.11 and 204.13 of the VicRoads standards.	V	PL	NR	WP	NR	NR	Delivery Docket	



Project: SPARK – North East Link Primary Package Client: State of Victoria and the North East Link State Tolling Corporation

ITP Title: Type A Fill Placement

Description: This ITP covers Type A fill placement across project wide.

References:
IFC Drawings

Standards: VR 204 (December 2015), VR 173 (October 2008)

ITP No: NEL-CNT-SDC-2990-PQA-ITP-0027 Rev No: 1

Lot No: Location: Ch: to Offset: to Layer:

Item	Responsible	Inspection	Specification	Acceptance Criteria	Test	Test Frequency	Inspectio	on/Verification (I	Name, signature	Records/ Documents	Field Notes / Comments	
No.	Person	and Test Activity	Reference		Method		Sub- Contractor	Spark NEL Engineer	Nominated Authority	IREA		
2.4	SE	Fill at Structures (If applicable)	VR 204.11 (b)	Note: No fill shall be placed against or within 3m of a structure until the foundation for the fill has been reviewed by the Superintendent.     No material shall be placed against concrete within 14 days of curing.     In addition to Type A placement at bridge abutments as structural material, embankment material or backfilling within 3m of retaining walls, wing walls, all crown units and culverts with an opening height greater than 1200mm, shall be material of at least Type A material quality.	V	PL		WP	НР	WP	Signed ITP  [ ] Applicable  [ ] Not Applicable	
2.5	Nominated Authority	Test Roll	IFC Drawings VR 204.12 VR 204.13 VR 173.03	All subgrades are to be proof rolled and approved prior to constructing pavements and /or commencement of filling.  Test Rolling to be in accordance with VR173.03.  Note1: Areas upon which structural fills are to be constructed, all layers of structural fill, and materials within 150mm of permanent subgrade level in cuttings should be compacted so as to be capable of withstanding test rolling without visible deformation or springing.	ΙP	PL	NR	NR	HP	WP	Signed ITP	



Project: SPARK – North East Link Primary Package Client: State of Victoria and the North East Link State Tolling Corporation											
ITP Title: Type A Fill Placement	References:										
	IFC Drawings										
<b>Description:</b> This ITP covers Type A fill placement across project wide.	<b>Standards:</b> VR 204 (December 2015), VR 173 (October 2008)										

ITP No: NEL-CNT-SDC-2990-PQA-ITP-0027 Rev No: 1

Lot No: \_\_\_\_\_Location: \_\_\_\_\_\_to \_\_\_Offset: \_\_\_\_to \_\_\_Layer:

Item	Responsible	Inspection and Test	Specification	Acceptance Criteria	Test	Test Frequency	-	on/Verification (N		<u> </u>	Records/ Documents	Field Notes / Comments
No.	Person	Activity	Reference		Method		Sub- Contractor	Spark NEL Engineer	Nominated Authority	IREA		
				Note2: Where unstable areas exceed 20% of the area being considered by test rolling, the whole of the area should be ripped, recompacted and re-presented for test rolling.								
2.6	SE	Post compaction	IFC Drawings VR 204.14 VR 204.13	Refer to table VR204.131 for Type A Material Compaction requirements.	Т	PL	NR	WP	NR	NR	NATA Test Records	
3.0	Post Operations	(Include Inspect			l	1	l	1				
3.1	SE	Testing Frequency	VR 204.14  IFC  Drawings	Small Developments Lot surface area <500m2. Large Developments Refer to table_VR204.142 for Type A Acceptable lot size and minimum testing frequency. Note1: where any test in a lot indicates that compliance with the specification has not been achieved, the lot is considered to have failed – the entire lot will need to be reworked and retested. Note2: Selection of a lot for testing requires careful consideration.	Т	PL	NR	WP	NR	NR	Signed ITP	
3.2	SE	CBR/Swell Grading, PI, LL		(1) The Assigned CBR and percentage swell values are to be determined in accordance with VicRoads Code of	Т	PL	NR	WP	NR	NR	NATA Test Records	



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ITP No: NEL-CNT-SDC-2990-PQA-ITP-0027 Rev No: 1

Lot No: Location: Ch: to Offset: to Layer:

Item	Responsible	Inspection and Test	Specification	Acceptance Criteria	Test	Test Frequency	Inspection	on/Verification (N	Name, signature	& date)	Records/ Documents	Field Notes / Comments
No.	Person	Activity	Reference	Acceptance Criteria	Method		Sub- Contractor	Spark NEL Engineer	Nominated Authority	IREA		
		(Post Compaction)		Practice RC 500.20. Sampling for CBR testing shall be undertaken after field compaction.								
			VR 204 Table 204.041	(2) The permeability value is to be determined in accordance with VicRoads Code of Practice RC 500.16. The permeability value is to be determined on specimens manufactured from that fraction of material which passes a 19.0 mm AS sieve, compacted at optimum moisture content and 98% of maximum dry density as determined by testing using standard compactive effort for CBR and swell.								
3.3	SE	Conformity with drawings	VR 204.03 Table 204.031 IFC Drawings	Scale A requirements: The finished surface level to conform to a mean level of +5mm to -15mm and a standard deviation of 12 mm (max).	V	PL	NR	WP	NR	NR	Survey records	
4.0	Quality											
4.1	QSR	Identification and control of non- conforming products or services (if applicable)	CQMP	Review and confirm closure of NCR's and associated RFI's prior to closing of construction lot	R	PL	NR	НР	NR	NR	NCR closed with related documentation	



Proje	ect: SPARK –	North Ea	ast Lir	nk Primary Pa	ckage Clien	t: State of Victoria	and the	e North E	ast Link Sta	te Tolling Co	rporation					
ITP 1	Title: Type A	Fill Place	ment											erence Drawing		
Desc	ription: This	ITP cove	ers Ty	pe A fill placer	ment across	project wide.								<b>ndard</b> ober 20		nber 2015), VR 173
	<del>-</del>			QA-ITP-0027 Loc					Ch:	_to	Offset:	to		Lay	er:	
Item	Responsible	Inspect and Te	Specific	Specification	Δ	Acceptance Criteria		Test Method	Test		on/Verification (N			-	Records/ Documents	Field Notes / Comments
No.	Person	Activi		Reference	<b>_</b>	Acceptance Criteria			Frequency	Sub- Contractor	Spark NEL Engineer	Nominated Authority	IR	EA		
4.2	QSR	Check all quality records for closure		CQMP	<ul> <li>All application</li> <li>complete.</li> </ul>	ole quality records are		R	PL	NR	НР	NR	ı	Compiled Documents Forms (all data report and records		
	Legend:															
SS: S SE: S PE: P SPE: Engin GE: C PS: P IREA: Revie	ite Supervisor ite Engineer roject Engineer Senior Project eer Seotechnical Er roject Surveyor Independent wer (Observer)	ssr: Site Safety Rep. EMR: Environmental Management Rep. NA: Nominated Authority (Release of HP)			Method V: Verify I: Inspection R: Review T: Test	HP: Ho WP: W NR: No	old Point litness Po ot Require	int d	Test Frequency  PW: Prior to Works  PL: Per Lot  F: Full or 100% Inspection or Testing  X1: Inspect or Test at Specified Freque  X2: Random Inspection or Test			Other  QP: Quality Plan RFI: Request for Information NCR: Non-Conformance VC: Verification Checklist XXXX: Sequential Number from Doc Cor			er from Doc Control	
	- Types:		ing, C	– Civil, G – Gei		chanical & Electrical,	, I – Moto				Structure, O – 7	Tolling, T – Tur	nel,	J – Urb	oan Design & Lands	
Suppli or:	er/Subcontract	Name			Signature and	d Date		Spark-NE	LPP REP	Name						Signature and Date
(If app	licable)															
_ot clo	sure comments	:														
Spark N	IELP QA Rep:															
	Nam	e			Signa	ture:					_					

Webuild Source Doc# MSF28-2 Spark PMS Source Doc# MSF28-2-NEL Rev 3 UNCONTROLLED WHEN PRINTED

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