

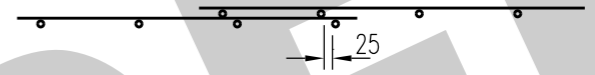
**GENERAL NOTES:**

- REFER TO DRAWINGS S02-02-06-01 FOR ALL TRENCHING NOTES UNLESS NOTED OTHERWISE.
- REFER TO DRAWINGS S02-02-06-02 & S02-02-06-03 FOR COVER GREATER THAN OR EQUAL TO 1200.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH THE PWC SPECIFICATIONS AND NETWORK POLICY "NP001, DESIGN AND CONSTRUCTION OF NETWORK ASSETS".
- ALL ELECTRICAL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE STANDARDS AS SET OUT IN POWER AND WATER UNDERGROUND MANUAL AND STREET LIGHTING MANUAL.
- THE CONTRACTOR SHALL ENSURE THAT ALL WORK IS CARRIED OUT IN A SAFE MANNER AND THAT ALL STATUTORY SAFETY EQUIPMENT REQUIRED FOR THE EXECUTION OF THE CONTRACT IS UTILIZED ON SITE AT ALL TIMES. CONTRACTOR SHALL COMPLETE DBYD REQUEST AND LIAISE WITH RELEVANT AUTHORITIES AND PROVIDE ADVANCE NOTICE TO POWER AND WATER AND OTHER THIRD PARTY ASSET OWNERS BEFORE CARRYING OUT TRENCHING WORK.
- DUCTS ARE TO BE OF HEAVY DUTY RIGID UPVC CONDUITS TO AS2053 REFER TO DRAWING S02-01-09-02.
- DUCTS ARE TO BE RIGIDLY JOINTED THE FULL LENGTH OF THE PROVIDED COUPLING WITH SUITABLE JOINTING COMPOUND IN SUCH A WAY AS TO EXCLUDE WATER ENTRY.
- FILL MATERIAL TO BE COMPACTED TO A MINIMUM OF 95% M.M.D. UNLESS NOTED OTHERWISE. CONTRACTOR TO PROVIDE A MINIMUM OF THREE COMPACTION TESTS TO LOCAL GOVERNMENT AUTHORITY FOR APPROVAL.

- WHERE COMPACTING WITHIN THE VICINITY EXISTING PIPEWORK OR OTHER INFRASTRUCTURE CARE SHALL BE TAKEN TO ENSURE PROTECTION OF THE EXISTING PIPEWORK OR INFRASTRUCTURE AT ALL TIMES. IF NECESSARY COMPACTION IN THE AREA SHALL BE UNDERTAKEN USING HAND TAMPERING METHODS.
- THIS DESIGN SHALL BE USED ONLY FOR ROADS CLASSIFIED BY THE GOVERNING AUTHORITY AS 'LOCAL - RESIDENTIAL' ROADS AND WHERE EQUIVALENT STANDARD AXLES (ESAs) ARE LESS THAN 10<sup>6</sup> FOR ROAD DESIGN TRAFFIC VOLUME.
- THIS DESIGN ONLY TO BE USED WHERE STROMWATER PIPES CLASH WITH ELECTRICAL ROAD CROSSING CONDUITS. APPROVALS FOR CONSTRUCTION SHALL BE PROVIDED ON A CASE BY CASE BASIS AT PWC AND LOCAL GOVERNMENT AUTHORITY DISCRETION.
- FOR EXISTING BROWNFIELD SITES ROAD CROSSINGS AN ALTERNATIVE BACKFILL OPTION MAY BE CONSIDERED (TO THE ACCEPTANCE OF THE LOCAL AUTHORITY). THE ALTERNATIVE BACKFILL OPTION MAY BE USE IS 7 MPa SAND CEMENT SLURRY POURED FROM AN AGITATOR TRUCK UP TO TOP OF SUBGRADE. CONTRACTOR TO REINSTATE EXISTING PAVEMENT LAYERS TO MATCH EXISTING.

**CONCRETE:**

- STANDARD: ALL WORK TO BE IN ACCORDANCE WITH AS 3600.
- REINFORCEMENT: ALL REINFORCEMENT TO BE IN ACCORDANCE WITH AS 4671. N DENOTES D500N DEFORMED RIBBED 500 MPa NORMAL DUCTILITY. R DENOTES 250N ROUND 250 MPa NORMAL DUCTILITY. MESH TO BE D500L DEFORMED RIBBED 500 MPa LOW DUCTILITY.
- FABRIC LAPPING: FABRIC END AND SIDE LAPS ARE TO BE PLACED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS TO ACHIEVE A FULL TENSILE LAP. FABRIC SHALL BE LAID SO THAT THERE IS A MAXIMUM OF 3 LAYERS AT ANY LOCATION.

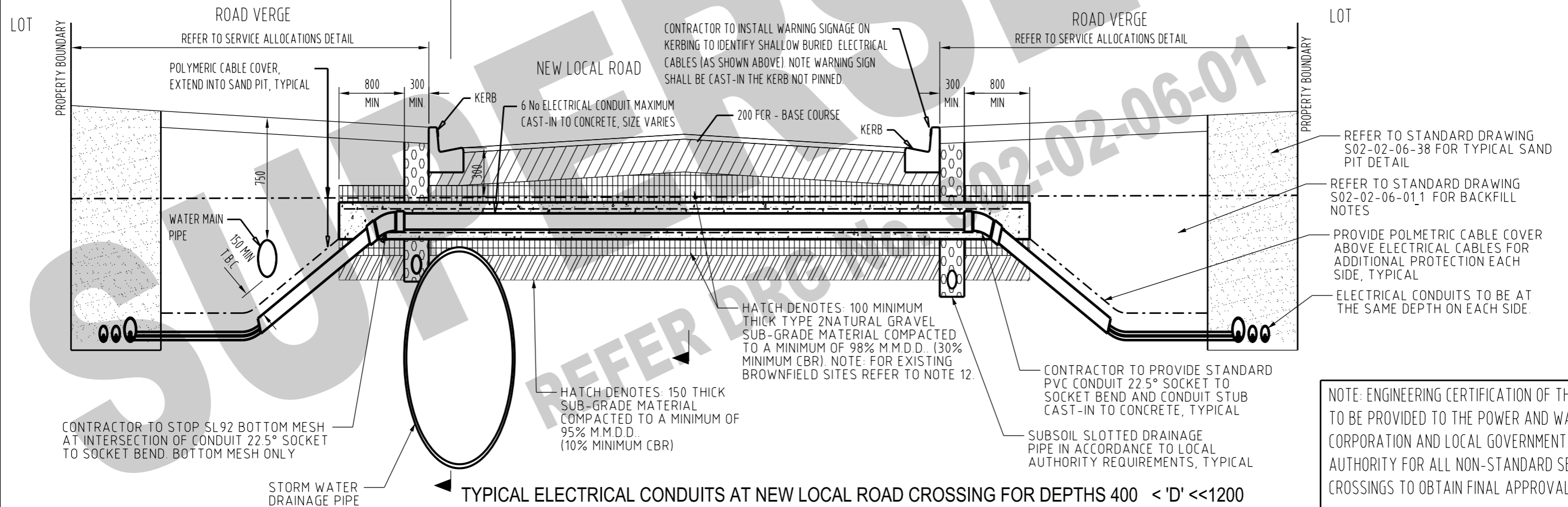


ELEMENT	COVER (mm)
ALL CONCRETE	40 ALL AROUND

ELEMENT	STRENGTH (f'c)
ALL CONCRETE	N40

ELEMENT	SLUMP (mm)
ALL OTHER CONCRETE, UNLESS OTHERWISE NOTED.	80

- COMPACTION: IMMERSION TYPE VIBRATORS TO BE USED TO COMPACT ALL CONCRETE.
- CURING: SLABS SHALL BE CONTINUOUSLY CURED FOR FIRST 7 DAYS.



**TYPICAL ELECTRICAL CONDUITS AT NEW LOCAL ROAD CROSSING FOR DEPTHS 400 < 'D' << 1200**

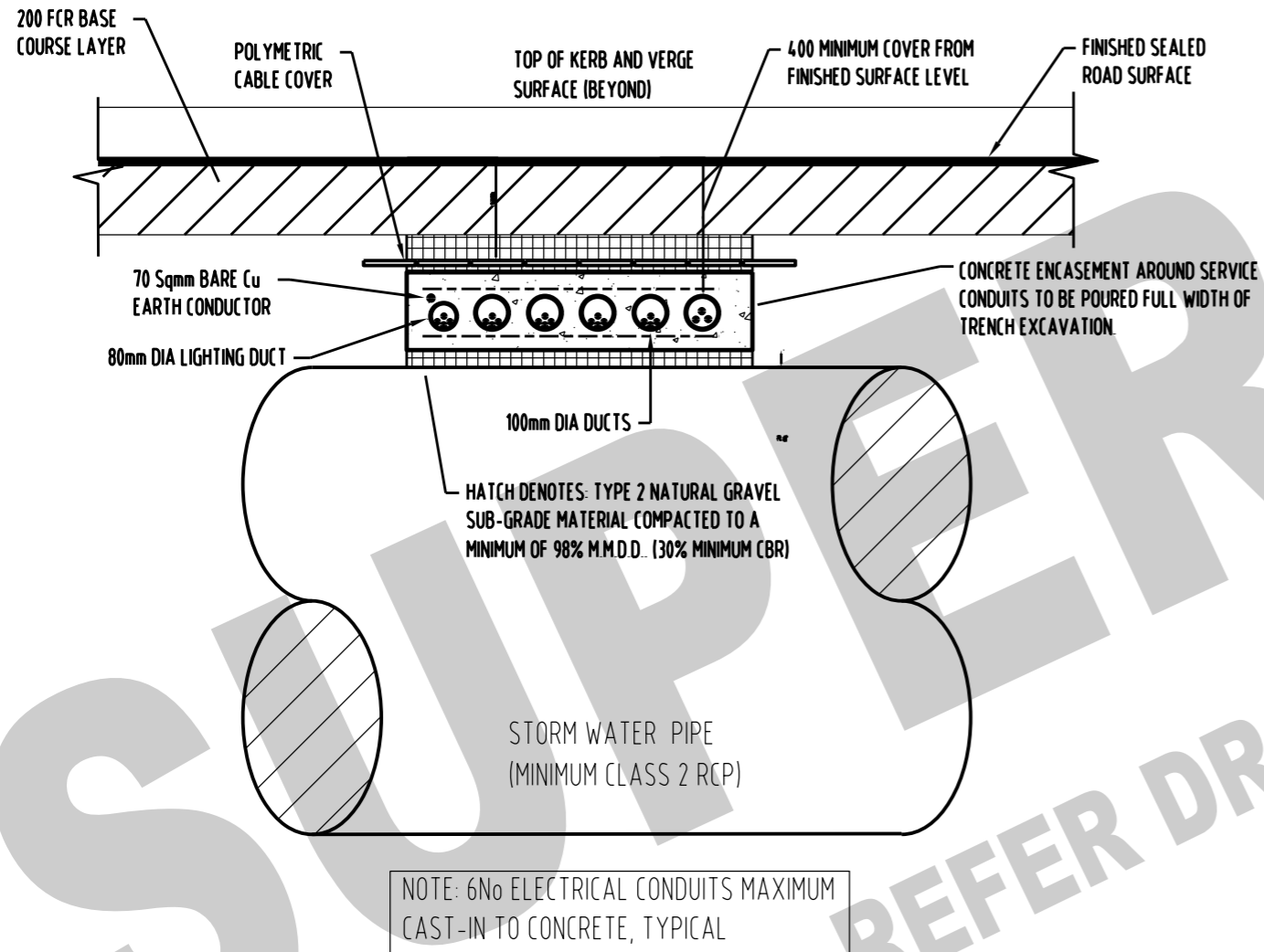
HORIZONTAL SCALE 1:50 & VERTICAL SCALE 1:25

NOTE: ENGINEERING CERTIFICATION OF THE WORK TO BE PROVIDED TO THE POWER AND WATER CORPORATION AND LOCAL GOVERNMENT AUTHORITY FOR ALL NON-STANDARD SERVICE CROSSINGS TO OBTAIN FINAL APPROVAL.

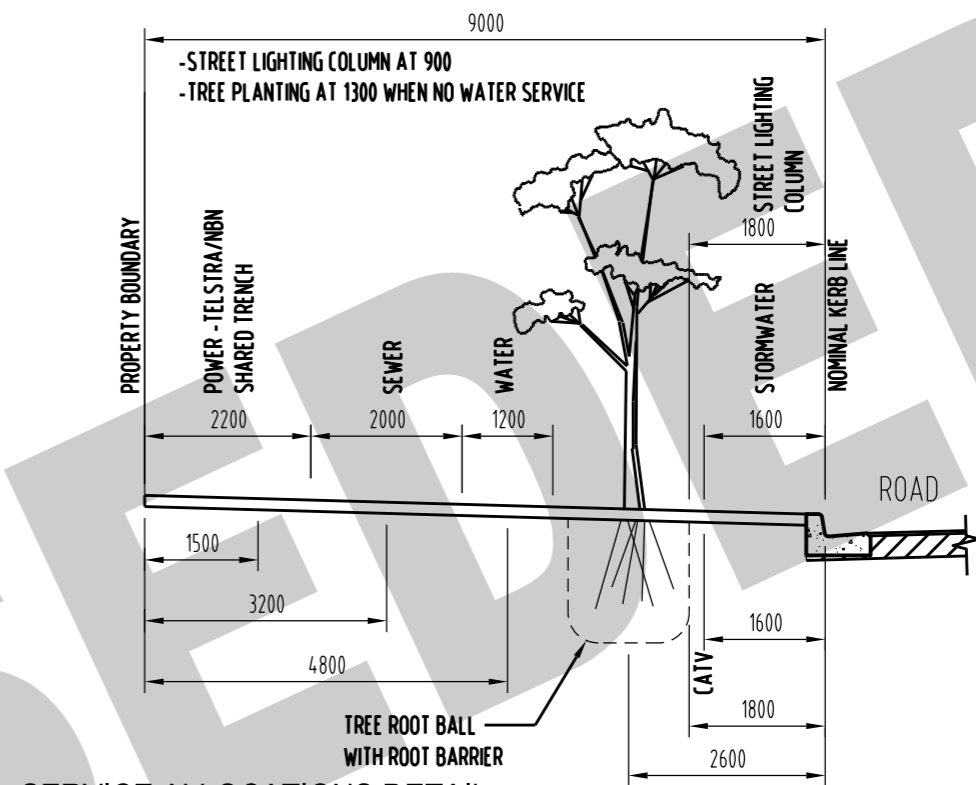
						DES PWC		POWER STANDARD DRAWING		
						DRN P.H.		CIVIL PROPOSED NEW SUBDIVISION		
NO		DESCRIPTION		DRN	DATE	CKD	APPD	NON-STANDARD STORMWATER / LOCAL ROAD CROSSING NOTES AND DETAILS (SHEET 1 OF 2)		
1		SUPERSEDED		CWM	APR'20	BC	BV	SCALE AS SHOWN		
0		ISSUED FOR CONSTRUCTION		C.C.	SEP'19	B.C.	B.C.	ISSUED	APRIL 2019	
		AMENDMENTS						ALL DIM. IN mm	A3	DRAWING NUMBER
								DRAFTING STANDARD TO A.S.1100		S02-02-06-46_1
								CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT

**NOTES:**

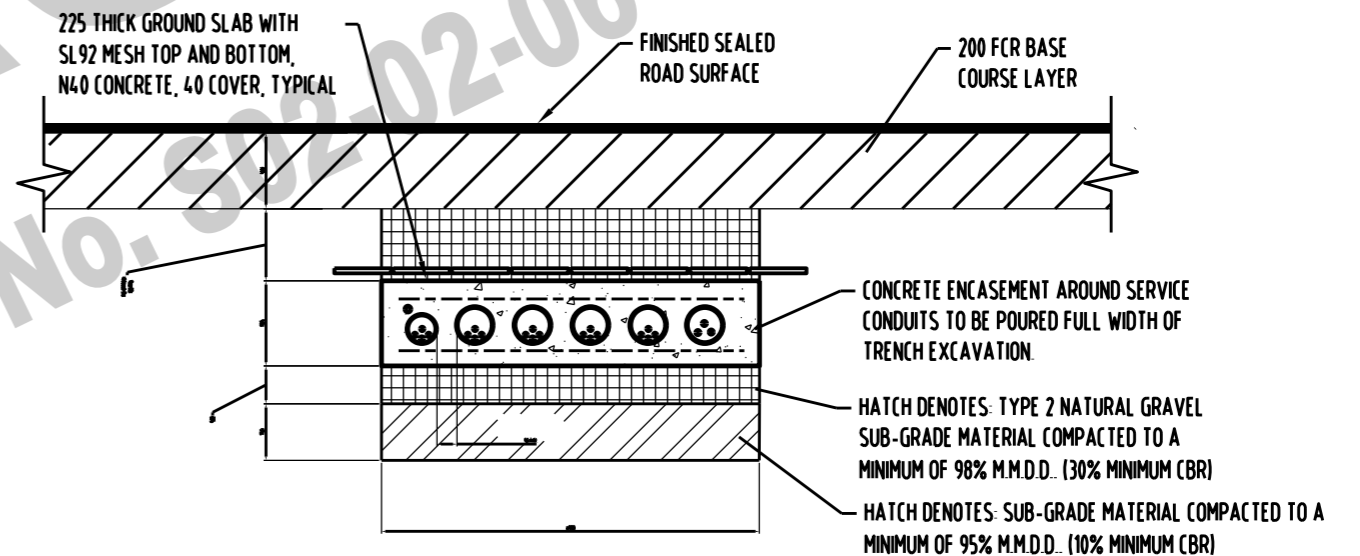
1. REFER TO DRAWINGS S02-2-6-44\_1 FOR GENERAL NOTES



**A SECTION**  
sheet 1 SCALE 1:20



**SERVICE ALLOCATIONS DETAIL**  
SCALE 1:50



**B SECTION**  
sheet 1 SCALE 1:20

NO	DESCRIPTION	DRN	DATE	CKD	APPD
1	SUPERSEDED	CWM	APR'20	BC	BV
0	ISSUED FOR CONSTRUCTION	C.C.	SEP'19	B.C.	B.C.
AMENDMENTS					



DES	PWC	POWER STANDARD DRAWING		
DRN	P.H.	CIVIL		
CKD	B.C.	PROPOSED NEW SUBDIVISION		
APPD	B.C.	NON-STANDARD STORMWATER / LOCAL ROAD		
SCALE	AS SHOWN	CROSSING NOTES AND DETAILS (SHEET 2 OF 2)		
ISSUED	FEBRUARY 2018	A3	DRAWING NUMBER	S02-02-06-46_2
ALL DIM. IN mm				
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT