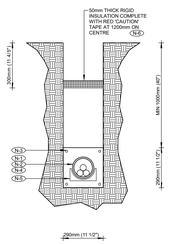

NOTES:

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N2.2 103mm (4") I.D. DUCTS IN 20 MPa CONCRETE.

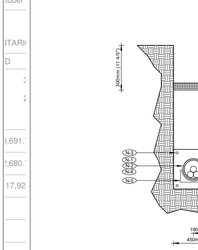
N3.3 16mm (1/2") REINFORCING RODS

N4.4 PROVIDE BELL ENDS AT TERMINATION OF ALL DUCTS

N5.5 PRE-FABRICATED DUCT SPACER AND HOLDERS

N6.6 INSULATION AND RED WARNING TAPE TO EXTEND THE FULL WIDTH OF TRENCH

Smith + Andersen	PROJECT NAME: ELECTRICAL STANDARD DETAILS, SCHEMATICS, AND SCHEDULES				ISSUED FOR:
	DRAWING TITLE: DUCT BANK 1X1				DRAWING No:
	DATE: 05/10/23	PROJ. No: --	SCALE:	PART OF DWG:	ESD-33 71 19.01



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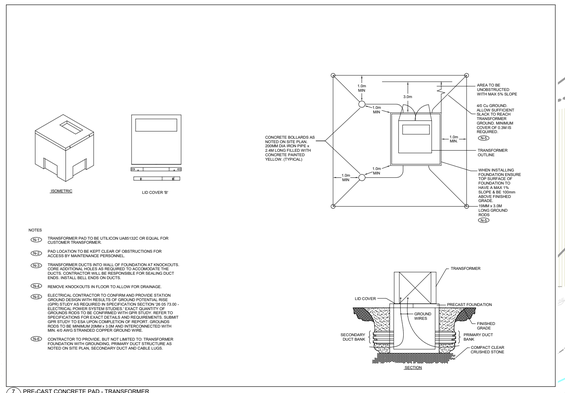
	DRAWING TITLE: DUCT BANK 1X1				DRAWING No:
	DATE: 05/10/23	PROJ. No: --	SCALE:	PART OF DWG:	ESD-33 71 19.02



NOTES

N1.1 TRANSFORMER PAD TO BE UTILICON UA951I32C OR EQUAL FOR CUSTOMER TRANSFORMER.

N2.2 PAD LOCATION TO BE KEPT CLEAR OF OBSTRUCTIONS FOR ACCESS BY MAINTENANCE PERSONNEL.

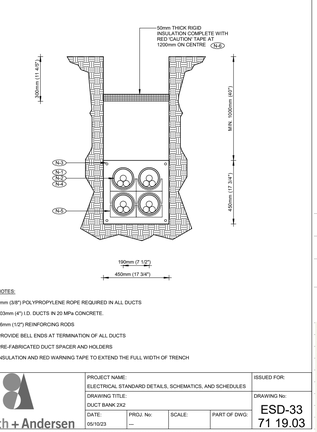
N3.3 TRANSFORMER DUCTS INTO WALL OF FOUNDATION AT KNOCKOUTS. CORE ADDITIONAL HOLES AS REQUIRED TO ACCOMODATE THE DUCTS. CONTRACTOR WILL BE RESPONSIBLE FOR SEALING DUCT ENTRY AND EXIT AS REQUIRED.

N4.4 REMOVE KNOCKOUTS IN FLOOR TO ALLOW FOR DRAINAGE.

N5.5 ELECTRICAL CONTRACTOR TO CONFIRM AND PROVIDE STATION GROUND DESIGN WITH RESULTS OF GROUND POTENTIAL RISE (GPR) STUDY AS REQUIRED IN SPECIFICATION SECTION 26 05 73.00 - POWER SYSTEM STUDIES. MINIMUM NUMBER OF STATION GROUNDS RODS TO BE CONFIRMED WITH GPR STUDY. REFER TO SPECIFICATIONS FOR EXACT DETAILS AND REQUIREMENTS. SUBMIT GPR STUDY TO ENGINEER FOR REVIEW. CONTRACTOR TO PROVIDE RODS TO BE MINIMUM 15MM x 3.0M AND INTERCONNECTED WITH MIN. #4 AWG STRANDED COPPER GROUND WIRE.

N6.6 CONTRACTOR TO PROVIDE, BUT NOT LIMITED TO: TRANSFORMER FOUNDATION WITH GROUNDING, PRIMARY DUCT STRUCTURE AS NOTED ON SITE PLAN, SECONDARY DUCT AND CABLE LOCK

7 1/2" PRE-CAST CONCRETE PAD - TRANSFORMER



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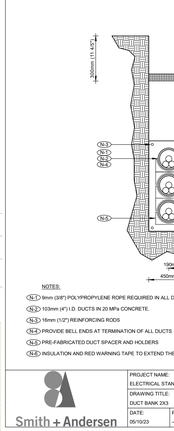
Smith + Andersen	PROJECT NAME: ELECTRICAL STANDARD DETAILS, SCHEMATICS, AND SCHEDULES				ISSUED FOR:
	DRAWING TITLE: DUCT BANK 2X2				DRAWING No:
	DATE: 05/10/23	PROJ. No: --	SCALE:	PART OF DWG:	ESD-33 71 19.03



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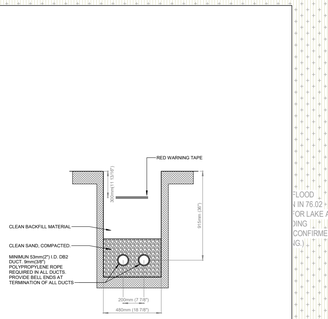
	DRAWING TITLE: DUCT BANK 2X3				DRAWING No:
	DATE: 05/10/23	PROJ. No: --	SCALE:	PART OF DWG:	ESD-33 71 19.04


RED WARNING TAPE
CLEAN BACKFILL MATERIAL
CLEAN SAND, COMPACTED
MINIMUM 52mm(2") I.D. DB2 DUCT. 9mm(3/8") POLYPROPYLENE ROPE REQUIRED IN ALL DUCTS. PROVIDE BELL ENDS AT TERMINATION OF ALL DUCTS
310mm (12")
310mm (12")
310mm (12")