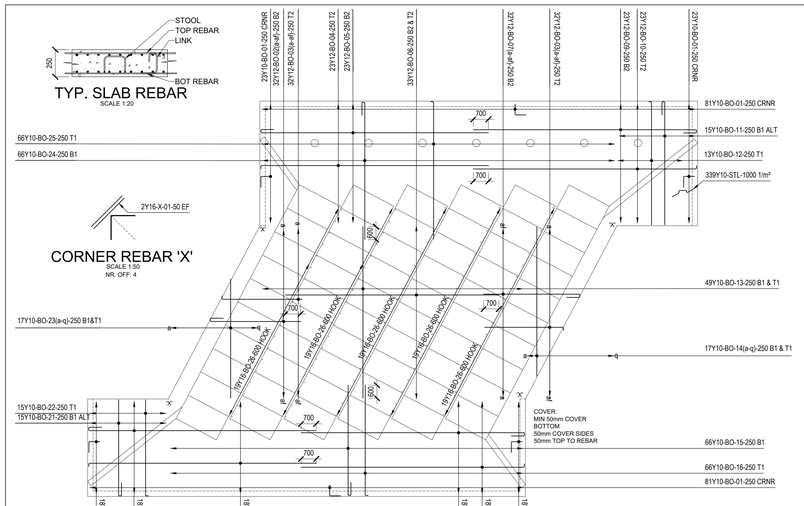

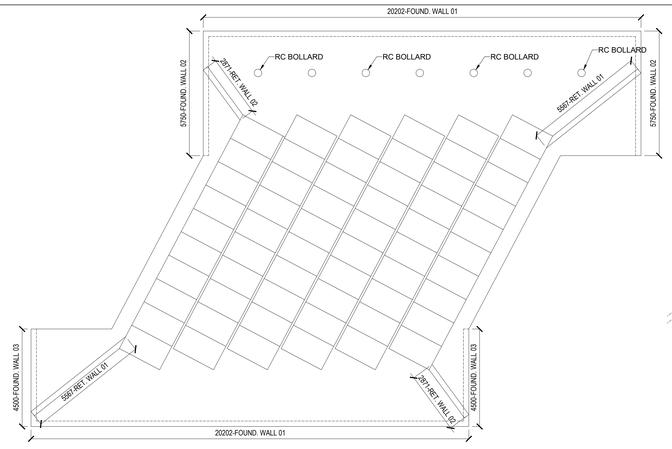

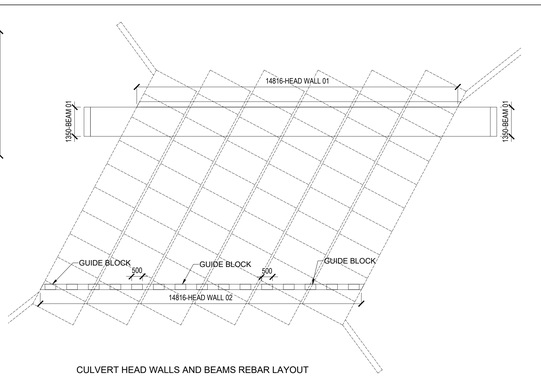

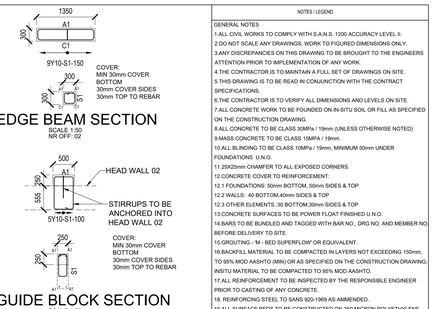

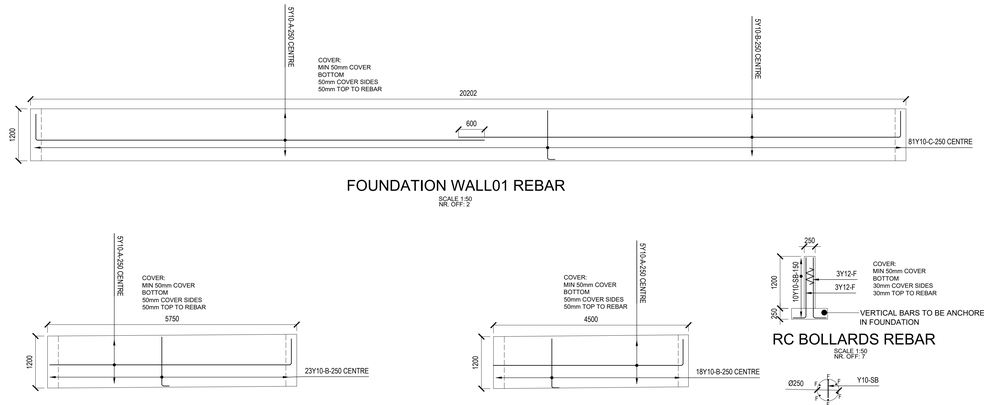

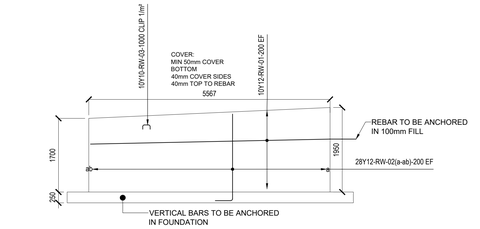

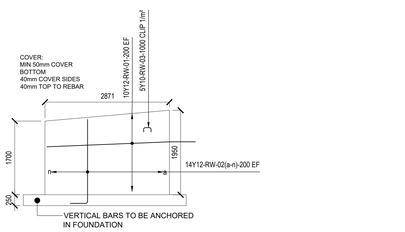

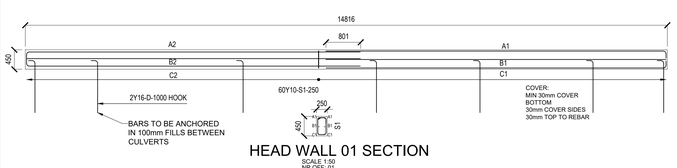

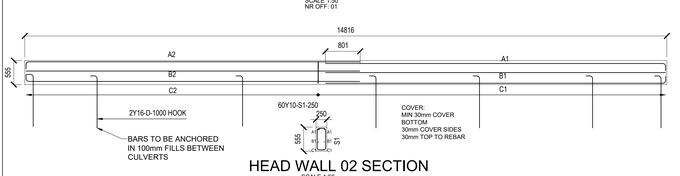

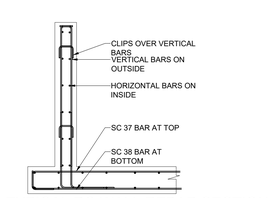

Member	Num of	Bars per Memb	Type	Dia	Tot Nr	Bar Mark	Cut Length	SC	A [mm]	B [mm]	C [mm]	D [mm]	E/r [mm]	REV
FOUND. W1	2	5	Y10	10	A	10950	37	10350	600					
		5	Y10	10	B	10800	37	10200	600					
		81	Y10	162	C	1300	37	1130	170					
FOUND. W2	2	5	Y10	10	A	6150	37	600	5575					
		23	Y10	46	B	1300	37	1130	170					
FOUND. W3	2	5	Y10	10	A	4950	37	600	4375					
		18	Y10	36	B	1300	37	1130	170					
CULVERT BASE	1	244	Y10	244	BO-01	1000	37	500	500					
		1	Y12	1	BO-02a	2600	38	1900	150	600				
		1	Y12	1	BO-02b	2750	38	2035	150	600				
		1	Y12	1	BO-02c	2850	38	2170	150	600				
		1	Y12	1	BO-02d	3000	38	2305	150	600				
		1	Y12	1	BO-02e	3150	38	2440	150	600				
		1	Y12	1	BO-02f	3250	38	2575	150	600				
		1	Y12	1	BO-02g	3400	38	2715	150	600				
		1	Y12	1	BO-02h	3550	38	2850	150	600				
		1	Y12	1	BO-02i	3650	38	2985	150	600				
		1	Y12	1	BO-02j	3800	38	3120	150	600				
		1	Y12	1	BO-02k	3950	38	3255	150	600				
		1	Y12	1	BO-02l	4100	38	3390	150	600				
		1	Y12	1	BO-02m	4200	38	3525	150	600				
		1	Y12	1	BO-02n	4350	38	3660	150	600				
		1	Y12	1	BO-02o	4500	38	3795	150	600				
		1	Y12	1	BO-02p	4600	38	3930	150	600				
		1	Y12	1	BO-02q	4750	38	4070	150	600				
		1	Y12	1	BO-02r	4900	38	4205	150	600				
		1	Y12	1	BO-02s	5050	38	4340	150	600				
		1	Y12	1	BO-02t	5150	38	4475	150	600				
		1	Y12	1	BO-02u	5300	38	4610	150	600				
		1	Y12	1	BO-02v	5450	38	4745	150	600				
		1	Y12	1	BO-02w	5550	38	4880	150	600				
		1	Y12	1	BO-02x	5700	38	5015	150	600				
		1	Y12	1	BO-02y	5850	38	5150	150	600				
		1	Y12	1	BO-02z	6000	38	5285	150	600				
		1	Y12	1	BO-02aa	6100	38	5425	150	600				
		1	Y12	1	BO-02ab	6250	38	5560	150	600				
		1	Y12	1	BO-02ac	6400	38	5695	150	600				
		1	Y12	1	BO-02ad	6500	38	5830	150	600				
		1	Y12	1	BO-02ae	6650	38	5965	150	600				
		1	Y12	1	BO-02af	6800	38	6100	150	600				
		1	Y12	1	BO-03a	2000	37	1900	150					
		1	Y12	1	BO-03a	2000	37	1900	150					
		1	Y12	1	BO-03b	2150	37	2035	150					
		1	Y12	1	BO-03b	2150	37	2035	150					
		1	Y12	1	BO-03c	2300	37	2170	150					
		1	Y12	1	BO-03c	2300	37	2170	150					
		1	Y12	1	BO-03d	2450	37	2305	150					
		1	Y12	1	BO-03e	2550	37	2440	150					
		1	Y12	1	BO-03e	2550	37	2440	150					

	6	8	10	12	16	20	25	32	40	TOT
R										
Y			549	154						703
TOT			549	154						703

Client: MOQHAKA LOCAL MUNICIPALITY

Job Description: UPGRADING OF 0.85KM SMALDEEL ROAD TO A PAVED ROAD AND STORMWATER-PHASE 1

Schedule Description: CULVERT BRIDGE REBAR SLAB, WALLS, BEAMS & BOLLARDS

Job No:	35112S
Date:	2026-03-10
Det. by:	JTM
Ref Dwg:	35112S-204-01
Revision:	0
Schedule No:	35112S-206-01A

Member	Num of	Bars per Memb	Type	Dia	Tot Nr	Bar Mark	Cut Length	SC	A [mm]	B [mm]	C [mm]	D [mm]	E/r [mm]	REV
CULVERT BASE	1	1	Y12	1	BO-03f	2700	37	2575	150					
		1	Y12	1	BO-03g	2850	37	2715	150					
		1	Y12	1	BO-03g	2850	37	2715	150					
		1	Y12	1	BO-03h	2950	37	2850	150					
		1	Y12	1	BO-03h	2950	37	2850	150					
		1	Y12	1	BO-03i	3100	37	2985	150					
		1	Y12	1	BO-03i	3100	37	2985	150					
		1	Y12	1	BO-03j	3250	37	3120	150					
		1	Y12	1	BO-03j	3250	37	3120	150					
		1	Y12	1	BO-03k	3350	37	3255	150					
		1	Y12	1	BO-03l	3500	37	3390	150					
		1	Y12	1	BO-03l	3500	37	3390	150					
		1	Y12	1	BO-03m	3650	37	3525	150					
		1	Y12	1	BO-03m	3650	37	3525	150					
		1	Y12	1	BO-03n	3800	37	3660	150					
		1	Y12	1	BO-03n	3800	37	3660	150					
		1	Y12	1	BO-03o	3900	37	3795	150					
		1	Y12	1	BO-03o	3900	37	3795	150					
		1	Y12	1	BO-03p	4050	37	3930	150					
		1	Y12	1	BO-03p	4050	37	3930	150					
		1	Y12	1	BO-03q	4200	37	4070	150					
		1	Y12	1	BO-03q	4200	37	4070	150					
		1	Y12	1	BO-03r	4300	37	4205	150					
		1	Y12	1	BO-03r	4300	37	4205	150					
		1	Y12	1	BO-03s	4450	37	4340	150					
		1	Y12	1	BO-03s	4450	37	4340	150					
		1	Y12	1	BO-03t	4600	37	4475	150					
		1	Y12	1	BO-03t	4600	37	4475	150					
		1	Y12	1	BO-03u	4750	37	4610	150					
		1	Y12	1	BO-03u	4750	37	4610	150					
		1	Y12	1	BO-03v	4850	37	4745	150					
		1	Y12	1	BO-03v	4850	37	4745	150					
		1	Y12	1	BO-03w	5000	37	4880	150					
		1	Y12	1	BO-03w	5000	37	4880	150					
		1	Y12	1	BO-03x	5150	37	5015	150					
		1	Y12	1	BO-03x	5150	37	5015	150					
		1	Y12	1	BO-03y	5250	37	5150	150					
		1	Y12	1	BO-03y	5250	37	5150	150					
		1	Y12	1	BO-03z	5400	37	5285	150					
		1	Y12	1	BO-03z	5400	37	5285	150					
		1	Y12	1	BO-03aa	5550	37	5425	150					
		1	Y12	1	BO-03aa	5550	37	5425	150					
		1	Y12	1	BO-03ab	5700	37	5560	150					
		1	Y12	1	BO-03ab	5700	37	5560	150					
		1	Y12	1	BO-03ac	5800	37	5695	150					
		1	Y12	1	BO-03ac	5800	37	5695	150					
		1	Y12	1	BO-03ad	5950	37	5830	150					
		1	Y12	1	BO-03ad	5950	37	5830	150					
		1	Y12	1	BO-03ae	6100	37	5965	150					
		1	Y12	1	BO-03ae	6100	37	5965	150					
		1	Y12	1	BO-03af	6200	37	6100	150					

	6	8	10	12	16	20	25	32	40	TOT
R										
Y				208						208
TOT				208						208

Client: MOQHAKA LOCAL MUNICIPALITY

Job Description: UPGRADING OF 0.85KM SMALDEEL ROAD TO A PAVED ROAD AND STORMWATER-PHASE 1

Schedule Description: CULVERT BRIDGE REBAR SLAB, WALLS, BEAMS & BOLLARDS

Job No:	35112S
Date:	2026-03-10
Det. by:	JTM
Ref Dwg:	35112S-204-01
Revision:	0
Schedule No:	35112S-206-01B

Member	Num of	Bars per Memb	Type	Dia	Tot Nr	Bar Mark	Cut Length	SC	A [mm]	B [mm]	C [mm]	D [mm]	E/r [mm]	REV
CULVERT BASE	1	1	Y12	1	BO-03af	6200	37	6100	150					
		23	Y12	23	BO-04	10650	37	10500	150					
		23	Y12	23	BO-05	11200	38	600	150	10500				
		66	Y12	66	BO-06	9855	20	9855						
		1	Y12	1	BO-07a	2600	38	1900	150	600				
		1	Y12	1	BO-07b	2750	38	2035	150	600				
		1	Y12	1	BO-07c	2850	38	2170	150	600				
		1	Y12	1	BO-07d	3000	38	2305	150	600				
		1	Y12	1	BO-07e	3150	38	2440	150	600				
		1	Y12	1	BO-07f	3250	38	2575	150	600				
		1	Y12	1	BO-07g	3400	38	2715	150	600				
		1	Y12	1	BO-07h	3550	38	2850	150	600				
		1	Y12	1	BO-07i	3650	38	2985	150	600				
		1	Y12	1	BO-07j	3800	38	3120	150	600				
		1	Y12	1	BO-07k	3950	38	3255	150	600				
		1	Y12	1	BO-07l	4100	38	3390	150	600				
		1	Y12	1	BO-07m	4200	38	3525	150	600				
		1	Y12	1	BO-07n	4350	38	3660	150	600				
		1	Y12	1	BO-07o	4500	38	3795	150	600				
		1	Y12	1	BO-07p	4600	38	3930	150	600				
		1	Y12	1	BO-07q	4750	38	4070	150	600				
		1	Y12	1	BO-07r	4900	38	4205	150	600				
		1	Y12	1	BO-07s	5050	38	4340	150	600				
		1	Y12	1	BO-07t	5150	38	4475	150	600				
		1	Y12	1	BO-07u	5300	38	4610	150	600				
		1	Y12	1	BO-07v	5450	38	4745	150	600				
		1	Y12	1	BO-07w	5550	38	4880	150	600				
		1	Y12	1	BO-07x	5700	38	5015	150	600				
		1	Y12	1	BO-07y	5850	38	5150	150	600				
		1	Y12	1	BO-07z	6000	38	5285	150	600				
		1	Y12	1	BO-07aa	6100	38	5425	150	600				
		1	Y12	1	BO-07ab	6250	38	5560	150	600				
		1	Y12	1	BO-07ac	6400	38	5695	150	600				
		1	Y12	1	BO-07ad	6500	38	5830	150	600				
		1	Y12	1	BO-07ae	6650	38	5965	150	600				
		1	Y12	1	BO-07af	6800	38	6100	150	600				
		23	Y12	23	BO-09	11500	38	600	150	10300				
		23	Y12	23	BO-10	10450	37	10300	150					
		15	Y10	15	BO-11	6400	38	5680	130	600				
		13	Y10	13	BO-12	5800	37	5680	130					
		98	Y10	98	BO-13	7920	20	7920						
		2	Y10	2	BO-14a	300	20	300						
		2	Y10	2	BO-14b	800	20	775						
		2	Y10	2	BO-14c	1250	20	1250						
		2	Y10	2	BO-14d	1700	20	1725						
		2	Y10	2	BO-14e	2200	20	2200						
		2	Y10	2	BO-14f	2700	20	2675						
		2	Y10	2	BO-14g	3150	20	3150						
		2	Y10	2	BO-14h	3600	20	3625						
		2	Y10	2	BO-14i	4100	20	4100						
		2	Y10	2	BO-14j	4600	20	4575						
		2	Y10	2	BO-14k	5050	20	5050						
		2	Y10	2	BO-14l	5500	20	5525						

	6	8	10	12	16	20	25	32	40	TOT
R										
Y				628	1601					2229
TOT				628	1601					2229

Client: MOQHAKA LOCAL MUNICIPALITY

Job Description: UPGRADING OF 0.85KM SMALDEEL ROAD TO A PAVED ROAD AND STORMWATER-PHASE 1

Schedule Description: CULVERT BRIDGE REBAR SLAB, WALLS, BEAMS & BOLLARDS

Job No:	35112S
Date:	2026-03-10
Det. by:	JTM
Ref Dwg:	35112S-204-01
Revision:	0
Schedule No:	35112S-206-01C

Member	Num of	Bars per Memb	Type	Dia	Tot Nr	Bar Mark	Cut Length	SC	A [mm]	B [mm]	C [mm]	D [mm]	E/r [mm]	REV
CULVERT BASE	2	2	Y12	4	A1	1500	38	120	1290	120				
EDGE BM		2	Y12	4	C1	1500	38	120	1290	120				
		9	Y10	18	S1	1150	60	240	240					
GUIDE BLOCKS	15	2	Y10	30	A1	2550	60	745	440					
		5	Y10	75	S1	1550	60	500	190					
RET. W1	2	2	Y12	4	RW-02q	2350	37	2000	400					
		2	Y12	4	RW-02r	2400	37	2005	400					
		2	Y12	4	RW-02s	2400	37	2015	400					
		2	Y12	4	RW-02t	2400	37	2025	400					
		2	Y12	4	RW-02u	2400	37	2035	400					
		2	Y12	4	RW-02v	2400	37	2045	400					
		2	Y12	4	RW-02w	2400	37	2055	400					
		2	Y12	4	RW-02x	2450	37	2065	400					
		2	Y12	4	RW-02y	2450	37	2070	400					
		2	Y12	4	RW-02z	2450	37	2080	400					
		2	Y12	4	RW-02aa	2450	37	2090	400					
		2	Y12	4	RW-02ab	2450	37	2100	400					
		10	Y10	20	RW-03	350	38	100	170	100				
RET. W2	2	20	Y12	40	RW-01	3450	62	2830	115	600				
		2	Y12	4	RW-02a	2200	37	1850	400					
		2	Y12	4	RW-02b	2250	37	1870	400					
		2	Y12	4	RW-02c	2250	37	1890	400					
		2	Y12	4	RW-02d	2300	37	1910	400					
		2	Y12	4	RW-02e	2300	37	1925	400					
		2	Y12	4	RW-02f	2300	37	1945	400					
		2	Y12	4	RW-02g	2350	37	1965	400					
		2	Y12	4	RW-02h	2350	37	1985	400					
		2	Y12	4	RW-02i	2350	37	2005	400					
		2	Y12	4	RW-02j	2400	37	2025	400					
		2	Y12	4	RW-02k	2400	37	2040	400					
		2	Y12	4	RW-02l	2450	37	2060	400					
		2	Y12	4	RW-02m	2450	37	2080	400					
		2	Y12	4	RW-02n	2450	37	2100	400					
		5	Y10	10	RW-03	350	38	100	170	100				
HEAD WALL 01	1	2	Y16	2	A1	8000	37	7850	160					
		2	Y16	2	A2	7850	37	7700	160					
		2	Y16	2	B1	7850	20	7850						
		2	Y16	2	B2	7700	20	7700						
		2	Y16	2	C1	8000	37	7845	160					
		2	Y16	2	C2	7850	37	7700	160					
		14	Y16	14	D	1350	37	1200	150					
		60	Y10	60	S1	1350	60	390	190					
HEAD WALL 02	1	2	Y16	2	A1	8000	37	7845	160					
		2	Y16	2	A2	7850	37	7700	160					
		2	Y16	2	B1	7850	20	7850						
		2	Y16	2	B2	7700	20	7700						
		2	Y16	2	C1	8000	37	7845	160					
		2	Y16	2	C2	7850	37	7700	160					
		12	Y16	12	D	1350	37	1200	150					
		2	Y16	2	D	1300	37	1160	150					
		60	Y10	60	S1	1550	60	495	190					
BOLLARD	7	6	Y12	42	F	1700	37	300	1390					
		10	Y10	70	SB	6750	86	190	150	1370				

	6	8	10	12	16	20	25	32	40	TOT
R										
Y			405	405	358					1169
TOT			405	405	358					1169

Client: MOQHAKA LOCAL MUNICIPALITY

Job Description: UPGRADING OF 0.85KM SMALDEEL ROAD TO A PAVED ROAD AND STORMWATER-PHASE 1

Schedule Description: CULVERT BRIDGE REBAR SLAB, WALLS, BEAMS & BOLLARDS

Job No:	35112S
Date:	2026-03-10
Det. by:	JTM
Ref Dwg:	35112S-204-01
Revision:	0
Schedule No:	35112S-206-01D

Member	Num of	Bars per Memb	Type	Dia	Tot Nr	Bar Mark	Cut Length	SC	A [mm]	B [mm]	C [mm]	D [mm]	E/r [mm]	REV
CULVERT BASE	1	1	Y12	1	BO-03af	6200	37	6100	150					
		23	Y12	23	BO-04	10650	37	10500	150					
		23	Y12	23	BO-05	11200	38	600	150	10500				
		66	Y12	66	BO-06	9855	20	9855						
		1	Y12	1	BO-07a	2600	38	1900	150	600				
		1	Y12	1	BO-07b	2750	38	2035	150	600				
		1	Y12	1	BO-07c	2850	38	2170	150	600				
		1	Y12	1	BO-07d	3000	38	2305	150	600				
		1	Y12	1	BO-07e	3150	38	2440	150	600				
		1	Y12	1	BO-07f	3250	38	2575	150	600				
		1	Y12	1	BO-07g	3400	38	2715	150	600				
		1	Y12	1	BO-07h	3550	38	2850	150	600				
		1	Y12	1	BO-07i	3650	38	2985	150	600				
		1	Y12	1	BO-07j	3800	38	3120	150	600				
		1	Y12	1	BO-07k	3950	38	3255	150	600				
		1	Y12	1	BO-07l	4100	38	3390	150	600				
		1	Y12	1	BO-07m	4200	38	3525	150	600				
		1	Y12	1	BO-07n	4350	38	3660	150	600				
		1	Y12	1	BO-07o	4500	38	3795	150	600				
		1	Y12	1	BO-07p	4600	38	3930	150	600				
		1	Y12	1	BO-07q	4750	38	4070	150	600				
		1	Y12	1	BO-07r	4900	38	4205	150	600				
		1	Y12	1