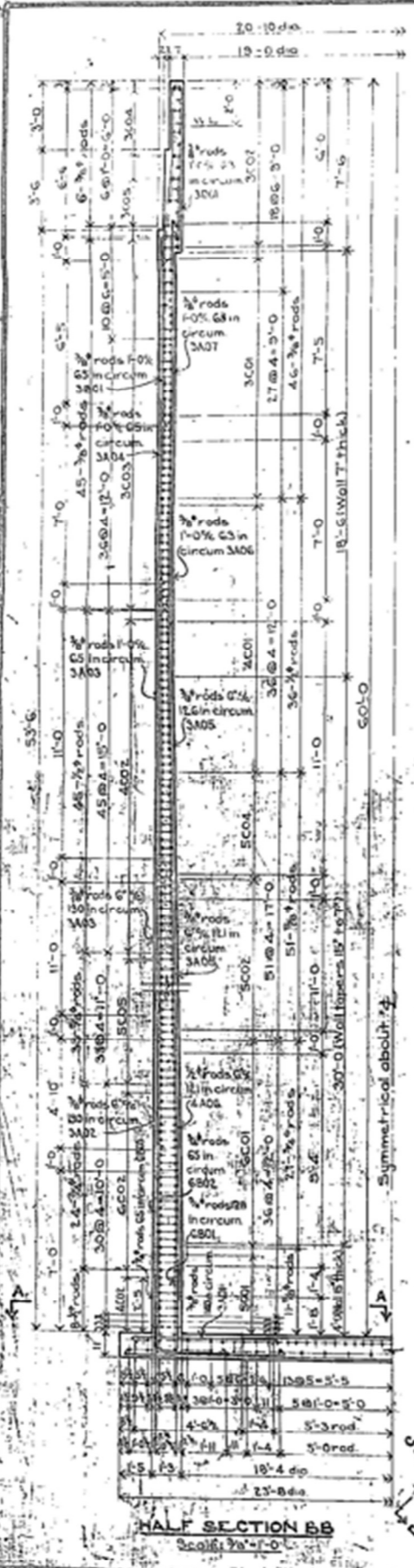
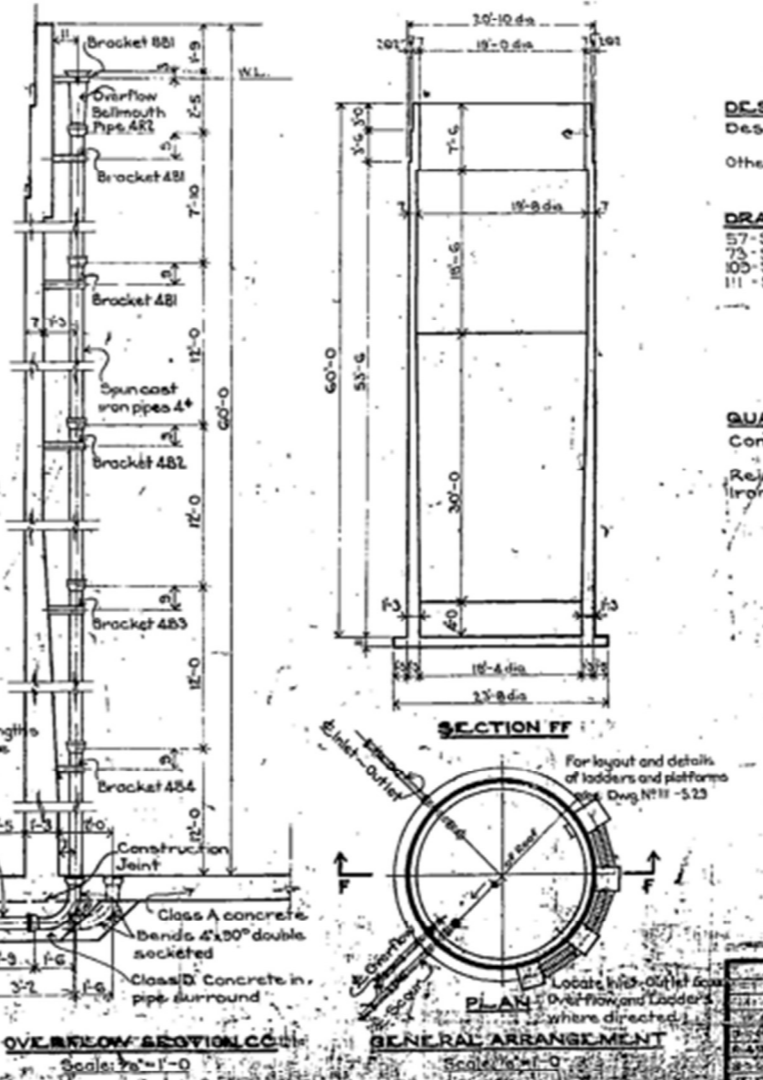
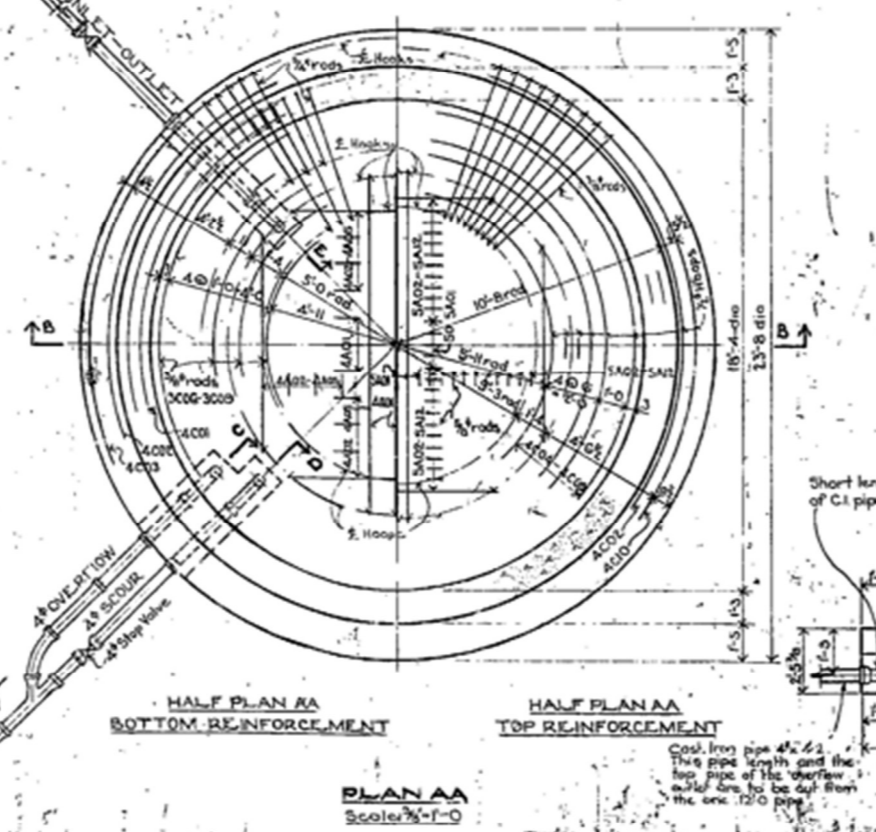
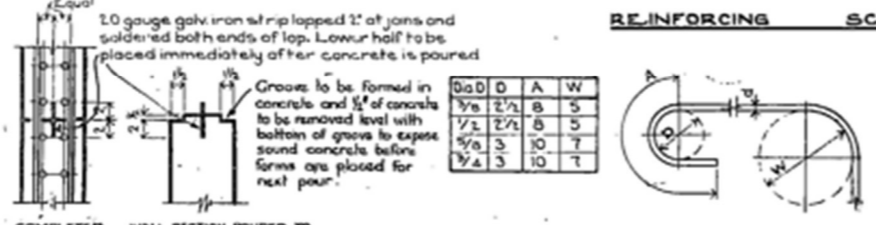
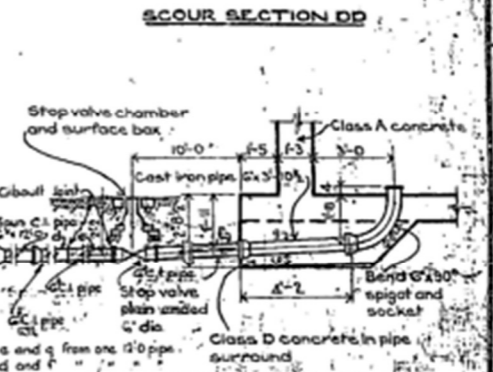
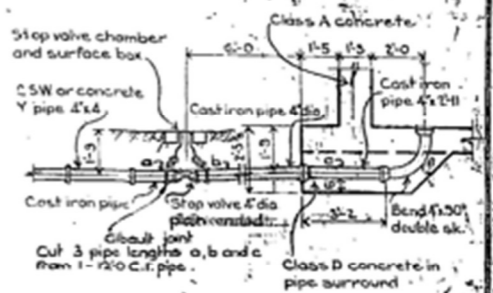


As Built and photos - Baralaba Standpipe



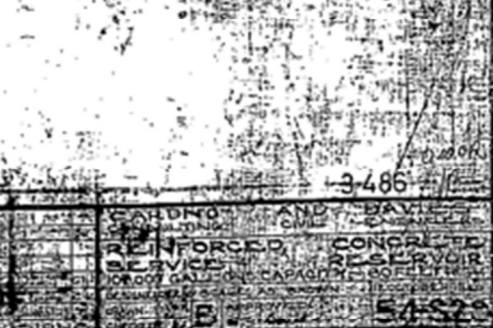
SHAPE	LOCATION	MARK	Dia	A	S	LENGTH	Lengths in feet				SHAPE	LOCATION	MARK	Dia	A	B	LENGTH	Lengths in feet							
							1/8	1/4	3/8	1/2								3/8	1/2	3/8	1/2				
Wall outside face	3A01	3/8	5-10	7-3	140	1015					Wall inside face	3C01	3/8	12-8	10-0	24-1	53	2240							
Wall outside face	3A02	3/8	6-10	8-2	130	1062					Wall outside face	3C02	3/8	11-4	9-8	22-8	45	1020							
Wall outside face	3A03	3/8	13-0	4-4	185	1195					Wall outside face	3C03	3/8	12-4	10-12	23-8	135	3166							
Wall outside face	3A04	3/8	3-0	10-4	65	672					Wall outside face	3C04	3/8	12-0	10-0	23-4	13	180							
Wall inside face	3A05	3/8	13-2	14-4	247	3541					Wall inside face	3C05	3/8	11-3	9-10	23-1	5	108							
Wall inside face	3A06	3/8	3-0	10-4	65	651					Base slab	3C06	3/8	5-11	13-7	10-11	2	42							
Base slab north face	4A07	3/8	9-5	10-9	63	678					Base slab	3C07	3/8	6-11	12-0	14-2	2	49							
Base slab	4A08	3/8	12-8	14-0	6		94				Base slab	3C08	3/8	7-11	17-8	19-0	3	57							
Base slab	4A09	3/8	11-8	13-0	4		52				Base slab	3C09	3/8	8-11	19-8	21-0	2	63							
Base slab	4A10	3/8	9-9	11-1	4		45				Base slab	4C01	3/8	5-5	11-2	12-6	6	135							
Base slab	4A11	3/8	7-7	8-11	4		36				Base slab	4C02	3/8	10-8	18-2	19-6	8	156							
Base slab	4A12	3/8	11-8	13-0	4		50				Base slab	4C03	3/8	11-14	18-10	20-2	4	81							
Base slab	4A13	3/8	11-8	13-0	4		50				Base slab	4C04	3/8	5-11	19-10	21-2	2	43							
Base slab	4A14	3/8	12-10	14-6	10		145				Base slab	4C05	3/8	6-5	22-6	22-8	2	46							
Base slab	4A15	3/8	12-8	14-4	4		58				Base slab	4C06	3/8	6-11	23-0	24-4	2	43							
Base slab	4A16	3/8	12-6	14-2	4		57				Base slab	4C07	3/8	7-5	16-0	18-2	3	55							
Base slab	4A17	3/8	12-3	13-11	4		56				Base slab	4C08	3/8	7-11	17-10	19-2	3	58							
Base slab	4A18	3/8	11-11	13-7	4		55				Base slab	4C09	3/8	8-11	19-11	21-3	3	64							
Base slab	4A19	3/8	11-6	13-2	4		53				Base slab	4C10	3/8	11-14	18-5	20-1	4	81							
Base slab	4A20	3/8	11-1	12-9	4		51				Wall inside face	4C11	3/8	13-0	10-0	24-5	106	2637							
Base slab	4A21	3/8	10-1	12-3	4		45				Wall inside face	4C12	3/8	12-8	10-12	24-0	165	3360							
Base slab	4A22	3/8	3-11	11-7	4		47				Wall outside face	5C01	3/8	11-6	9-5	23-2	33	765							
Base slab	4A23	3/8	3-2	10-0	4		44				Wall outside face	5C02	3/8	12-1	9-5	23-9	111	2637							
Base slab	4A24	3/8	8-3	5-11	4		40				Wall outside face	5C04	3/8	12-10	10-1	24-6	42	1023							
Base slab	4A25	3/8	7-0	8-8	4		35				Wall outside face	5C05	3/8	13-2	10-11	24-0	39	2459							
Base slab	4A26	3/8	8-5	10-2	4		40				Wall outside face	6C01	3/8	11-10	9-5	23-6	81	1904							
Base slab	4A27	3/8	10-2	11-2	4		45				Wall outside face	6C02	3/8	13-6	10-12	25-2	72	1812							
Base slab	4A28	3/8	10-2	11-2	4		45				Wall of top	3001	3/8	-	-	10-1	65	1014							
Base slab	4A29	3/8	10-2	11-2	4		45				Brought Forward						11075	1840	630	2488					
Base slab	4A30	3/8	10-2	11-2	4		45				Total lengths in feet						1834	3205	7580	6203					
Base slab	4A31	3/8	10-2	11-2	4		45				Total weights in tons							3234	2741	3530	4161				

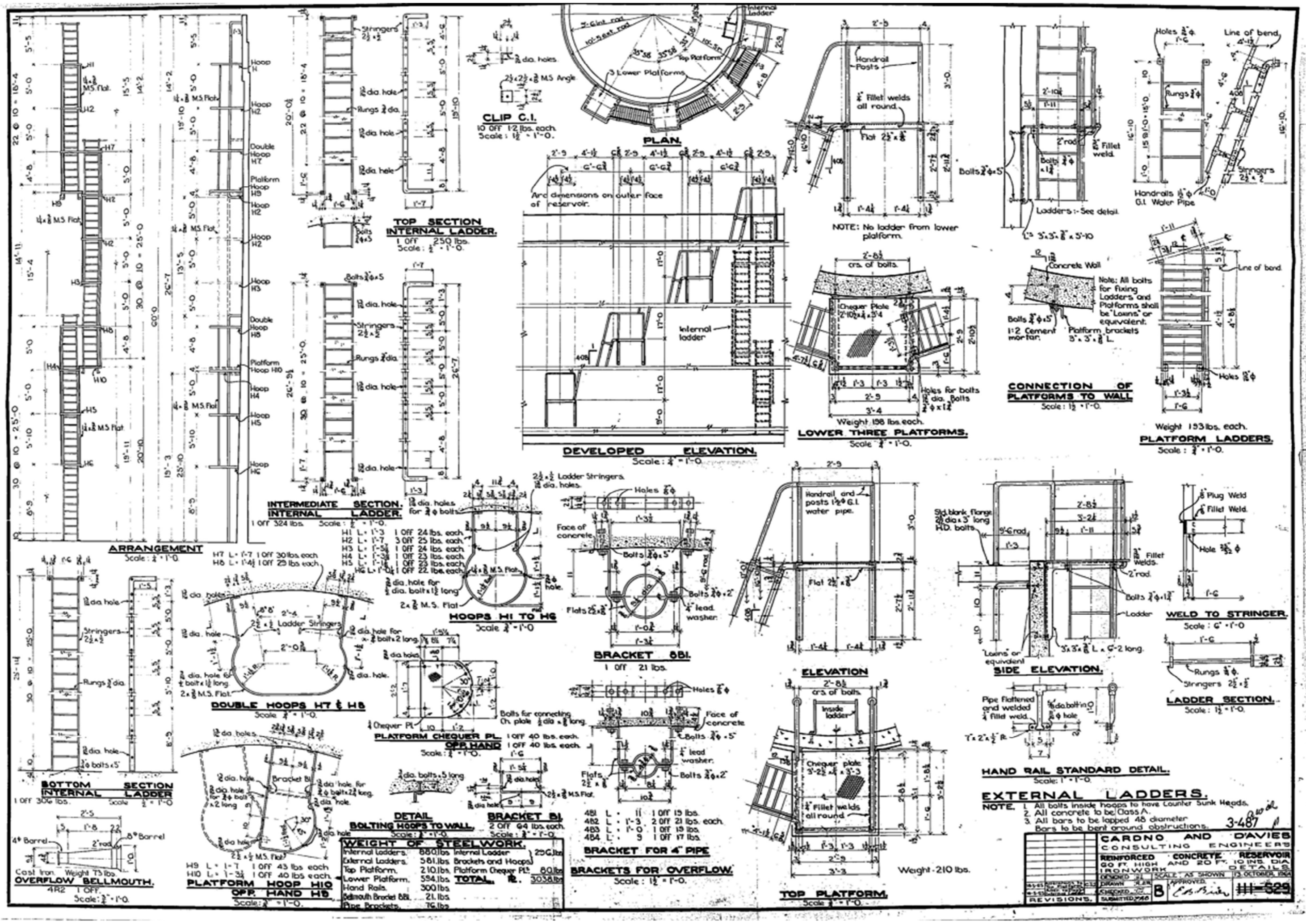


DESIGN BASIS:
 Design of Wall - Steel in tension
 Concrete in tension
 Other Sections - Steel in tension
 Concrete in compression

DRAWING REFERENCE:
 57-3-23 Water Level Indicator (If Ordered)
 75-3-23 Water Retention details
 103-3-23 Concrete Roof and details
 111-3-23 Ironwork details

QUANTITIES:
 Concrete, Class A
 Concrete, Class D
 Reinforcement
 Ironwork (in Ladders, Platforms, Pipe Brackets)





WEIGHT OF STEELWORK.

Internal Ladders.	880 lbs.	Internal Ladder	250 lbs.
External Ladders.	581 lbs.	Brackets and Hoops	80 lbs.
Top Platform.	210 lbs.	Platform Chequer Pl.	80 lbs.
Lower Platform.	594 lbs.	TOTAL	3038 lbs.
Hand Rails.	300 lbs.		
Overflow Bracket 081.	21 lbs.		
Pipe Brackets.	76 lbs.		

CARDNO AND DAVIES CONSULTING ENGINEERS

REINFORCED CONCRETE RESERVOIR

60 FT HIGH AND 20 FT. DIAM. IRONWORK DETAILS.

SCALE AS SHOWN

DESIGNED BY: [Signature]

DRAWN BY: [Signature]

CHECKED BY: [Signature]

SUBMITTED 2/20

APPROVED: [Signature]

REVISIONS:

3-487

11-529



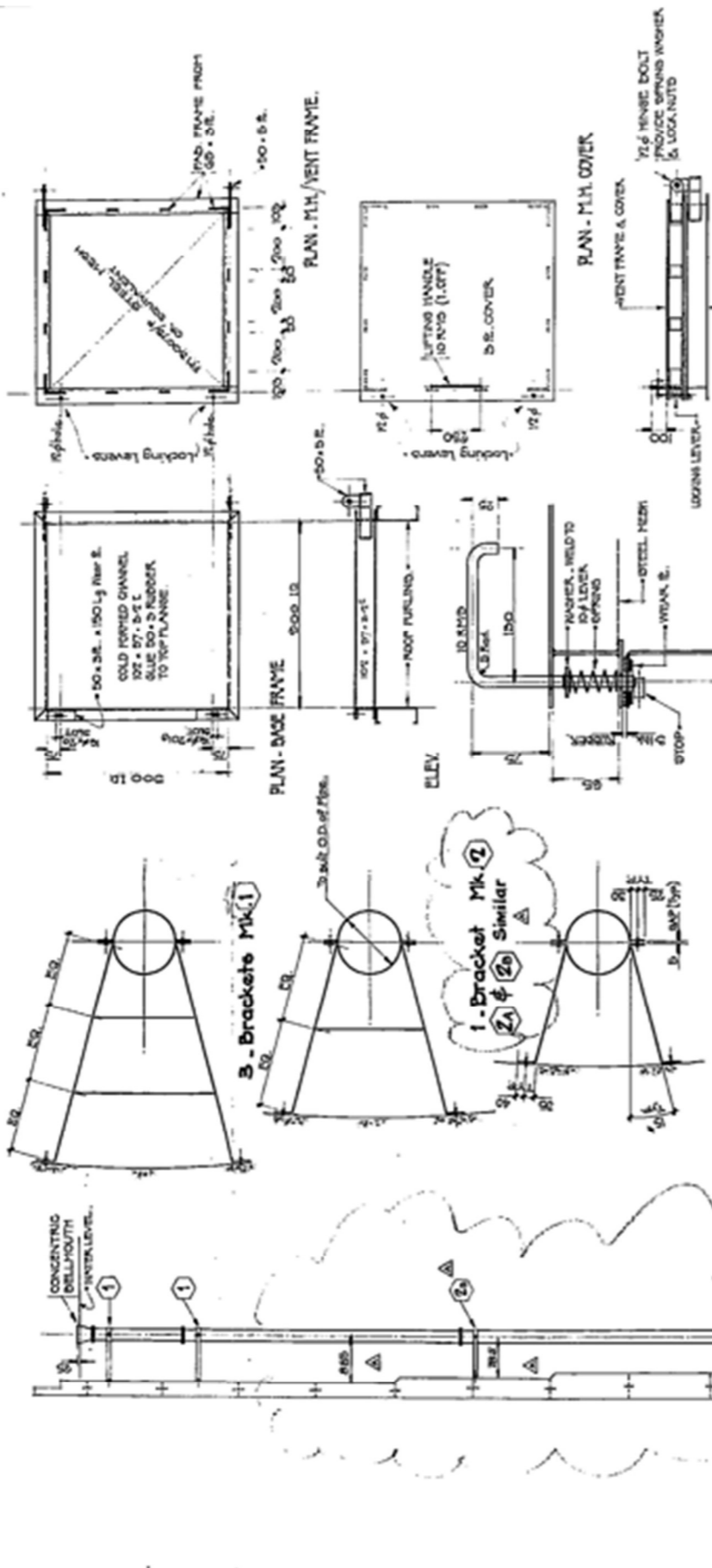
Photos Baralaba Standpipe, New Roof, and Access Hatch



Photos Baralaba Standpipe, Old ladder, and Old Roof Beams

LEVEL BOOK
FIELD BOOK

No.	DATE	REVISION	BY	CHKD.	APPROVED	AUXILIARY DWGS	NUMBER
1/02		WALL FILLETS AMENDED, BRACKET MARKS ALTERED.	J.J.	B.T.			



1 - Bracket Mk (3)

NOTE:-
 • BRACKET FIVE BRACKETS FROM 75x100 E. SPANLED STEEL.
 • FIX BRACKETS TO WALL WITH 12 DIA 3/8" CIRCULAR ANCHORS.
 • ALL BOLTS TO BE 1/2" 9/16" UNF.

MAN-HOLE & VENT DETAILS
 Scale: 1:1/2"

TYP. ROOF FLASHING DETAILS
 Scale: 1:1/2"

ROOF GUTTER DETAIL
 Scale: 1:1/2"

ELEV. SCOUR OUTLET PIPE
 Scale: 1:1/2"

ELEV. PIPE FOR FUTURE EXTENSION
 Scale: 1:1/2"

ELEV. INLET PIPE
 Scale: 1:1/2"

ELEV. OVERFLOW PIPE
 Scale: 1:1/2"

1. REFER GENERAL ARRANGEMENT DRG. FOR PIPE LOCATIONS.
 2. REFER DWG. N° 24 95 FOR STRUCTURAL STEEL NOTES.



	SURVEYED	DATE	Aug 01
	PLOTTED	CHECKED	
	DESIGNED	CHECKED	
	DRAWN	K.H.M.	CHECKED
	TRACED	CHECKED	
	QUANTITIES	CHECKED	
	CHECKED	CHECKING CRAFTSMAN	

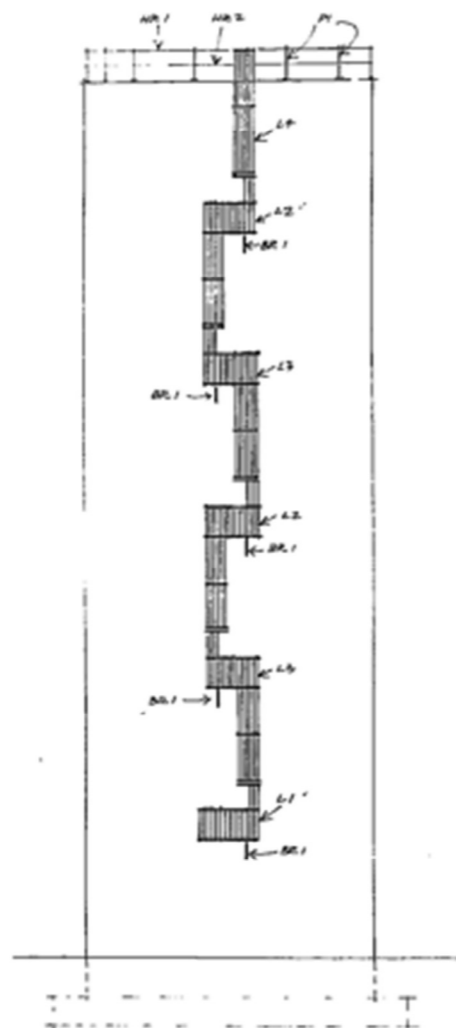
ULLMAN & NOLAN
 PTY. LTD.
 CONSULTING ENGINEERS
 BRISBANE MACKAY PROSPERINE

ACCEPTED
 APPROVED
 DATE

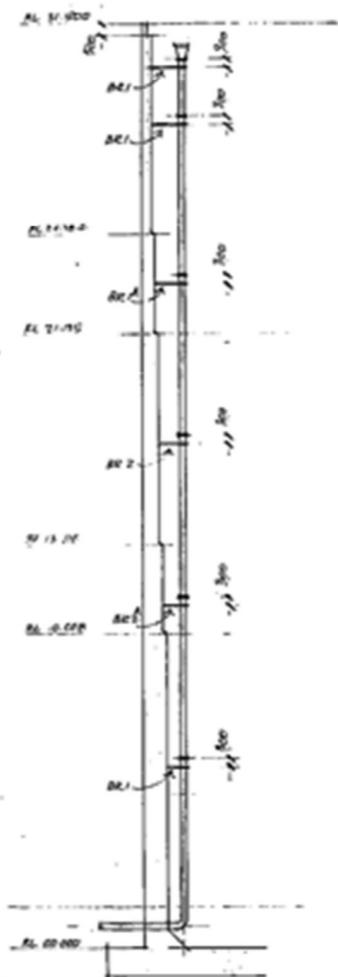
BANANA SHIRE COUNCIL

BILOELA WATER TOWER
 PIPING & MANHOLE DETAILS

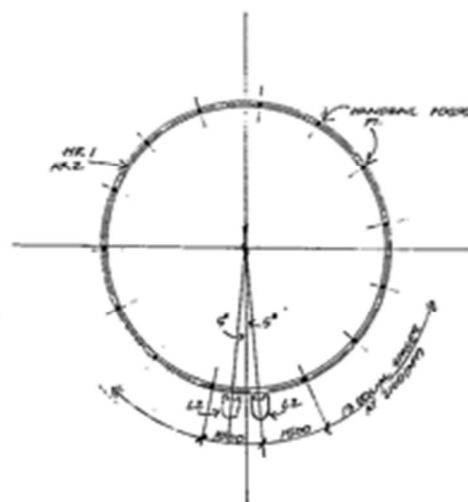
JOB No. 4721	
No. 4 OF 4 SHEETS	
DWG. No.	REV.
Ba-56	A



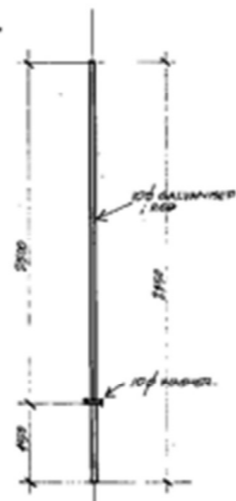
LADDER MARK PLAN



OVERFLOW PIPE BRACKETS

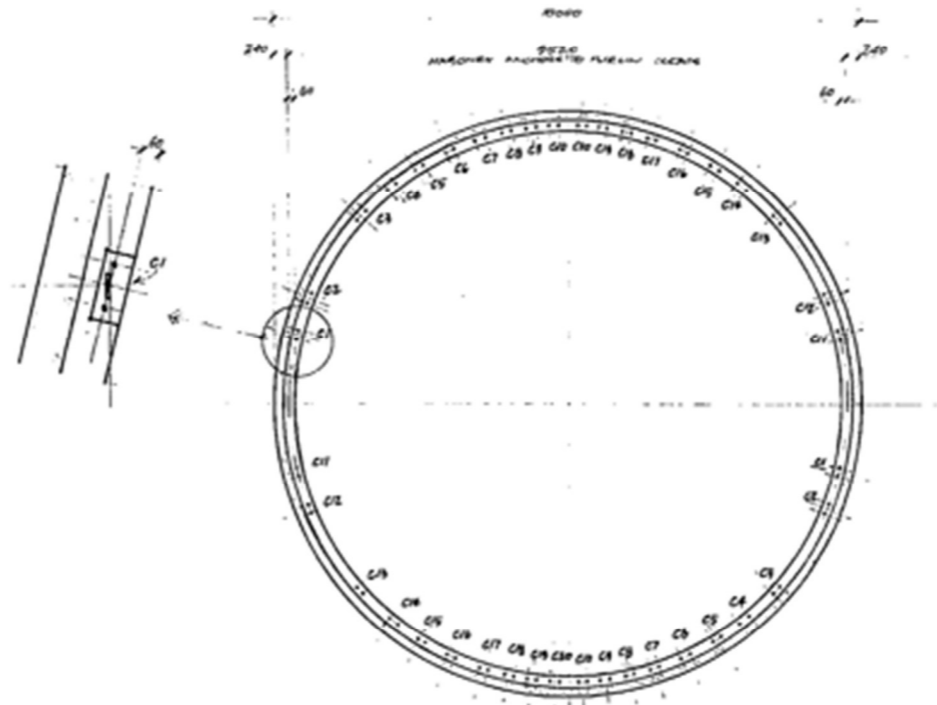


HANDRAIL MARK PLAN

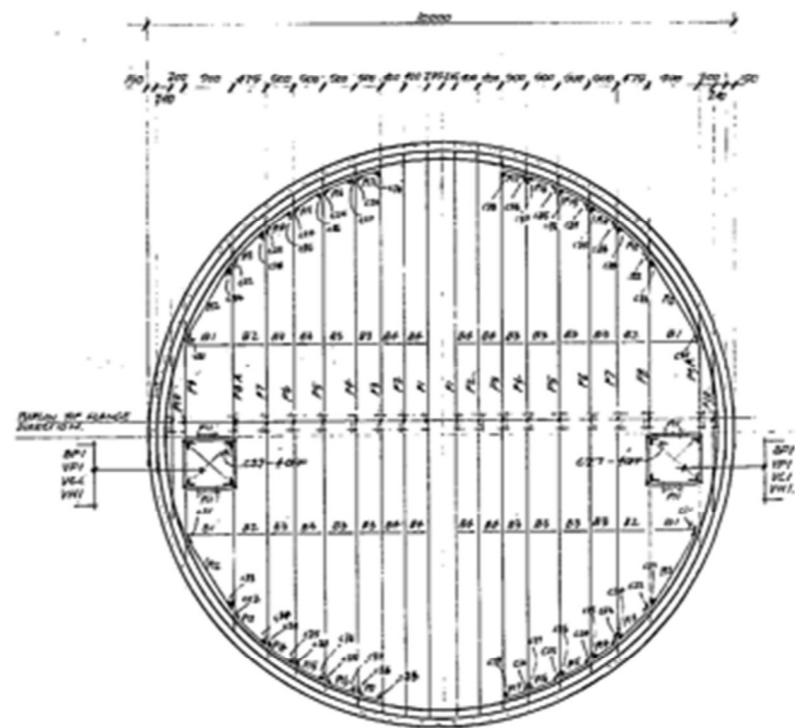


LIGHTNING CONDUCTOR

MATERIAL LIST
 MR.1 - MONORAIL 22 #8 x 180 GAUGE - 32 METERS
 MR.2 - MONORAIL 22 #8 x 180 GAUGE - 32 METERS
 MR.3 - MONORAIL 22 #8 x 180 GAUGE - 32 METERS
 NOTE: MR.1 & MR.2 ARE 2000 DIAMETER.



FURLIN CLEAT MARK PLAN



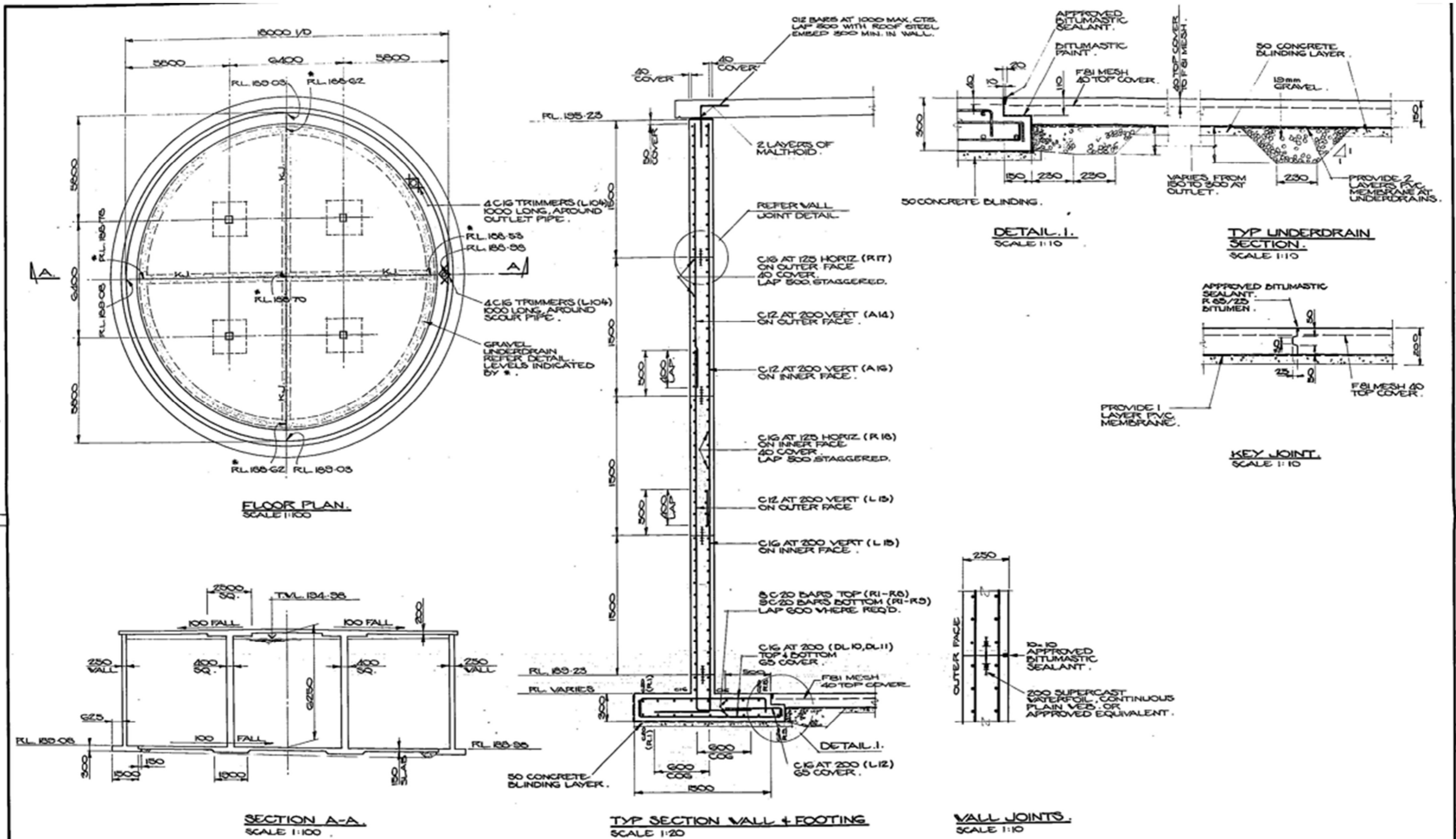
ROOF STEELWORK PLAN

DESIGN NO.	DATE	BY	SA. GONZALEZ
CHECK NO.	DATE	BY	CONRAT
			BLDG. WORK
			STAIRWAY
			REV. NO. 51
			3-220




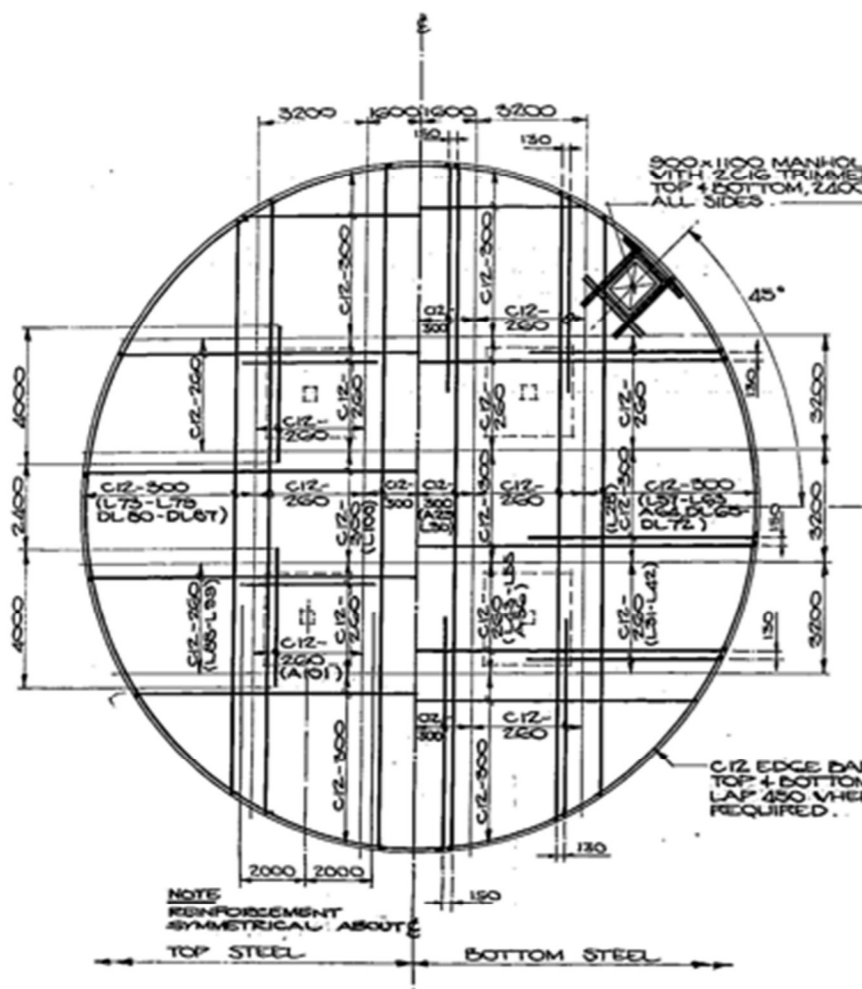
Photos of Reservoir, the Roof and Access Hatch

As Built and Photos - Biloela 1.5ML Reservoir



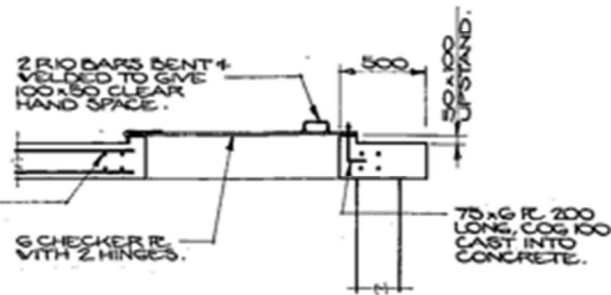
FOR GENERAL NOTES REFER DRWG NO 8730/1.

<table border="1"> <tr> <th>NO.</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION</th> <th>APPD</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="5">REVISIONS</td> </tr> </table>		NO.	BY	DATE	DESCRIPTION	APPD						REVISIONS					ASSOCIATED DRAWINGS Scale _____ Scale _____ Scale _____	 NORTH POINT	LEVEL DATUM DEFINED BY AZIMUTH DATUM SURVEYED _____ DESIGNED G.S. LEVEL BOOK _____ DRAWN P.C. FIELD BOOK _____ TRACED PLOTTED _____ CHECKED _____	ULLMAN & NOLAN Pty. Ltd. CONSULTING ENGINEERS BRISBANE MACKAY ADELAIDE PROSERPINE GLADSTONE BOWEN SUBMITTED <i>Bill Stearny</i> DATE 3-8-84 APPROVED <i>h. J. Sheehan</i> DATE 31.1.84	BANANA SHIRE COUNCIL. BILOELA WATER SUPPLY 1.5 MEGALITRE CONCRETE RESERVOIR. FLOOR PLAN & WALL REINFORCEMENT.	JOB No. 8739. No. 2 OF 5 DRWGS. DRWG No. 2. REV. 3-248
NO.	BY	DATE	DESCRIPTION	APPD																		
REVISIONS																						

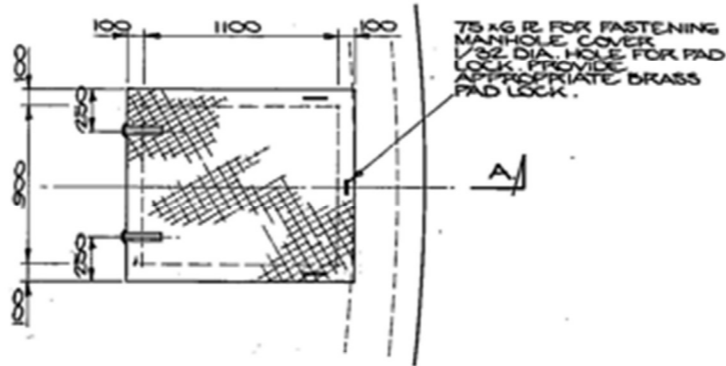


ROOF REINFORCEMENT PLAN.
SCALE 1:100

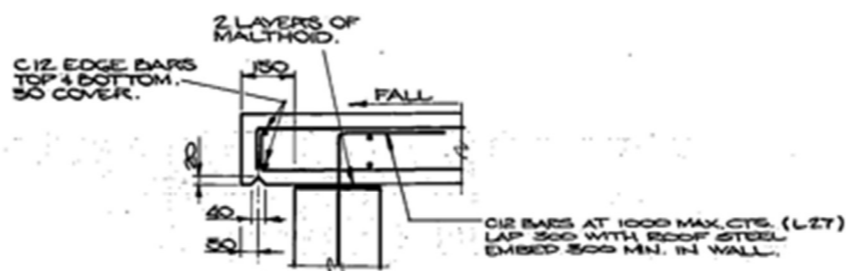
NOTE. LAP BOTTOM BARS 500 AT COLUMN LINES IF REQUIRED.
LAP TOP BARS 500 AT MIDSPAN IF REQUIRED.



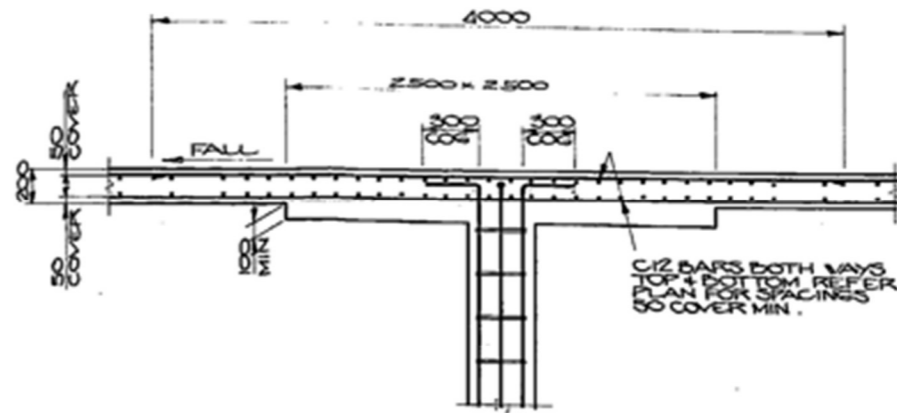
SECTION A-A.
SCALE 1:20



MANHOLE COVER
SCALE 1:20
ALL MATERIALS TO BE HOT DIPPED GALVANISED.



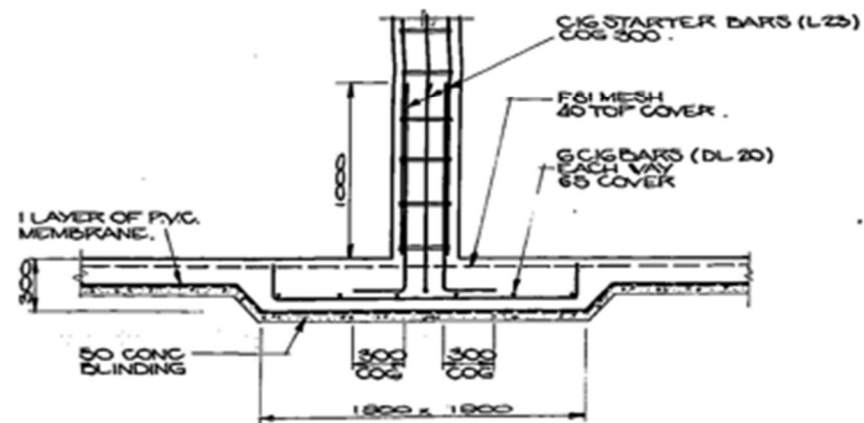
EDGE DETAIL
SCALE 1:10



COLUMN HEAD
SCALE 1:20



COLUMN SECTION
SCALE 1:20



COLUMN BASE
SCALE 1:20

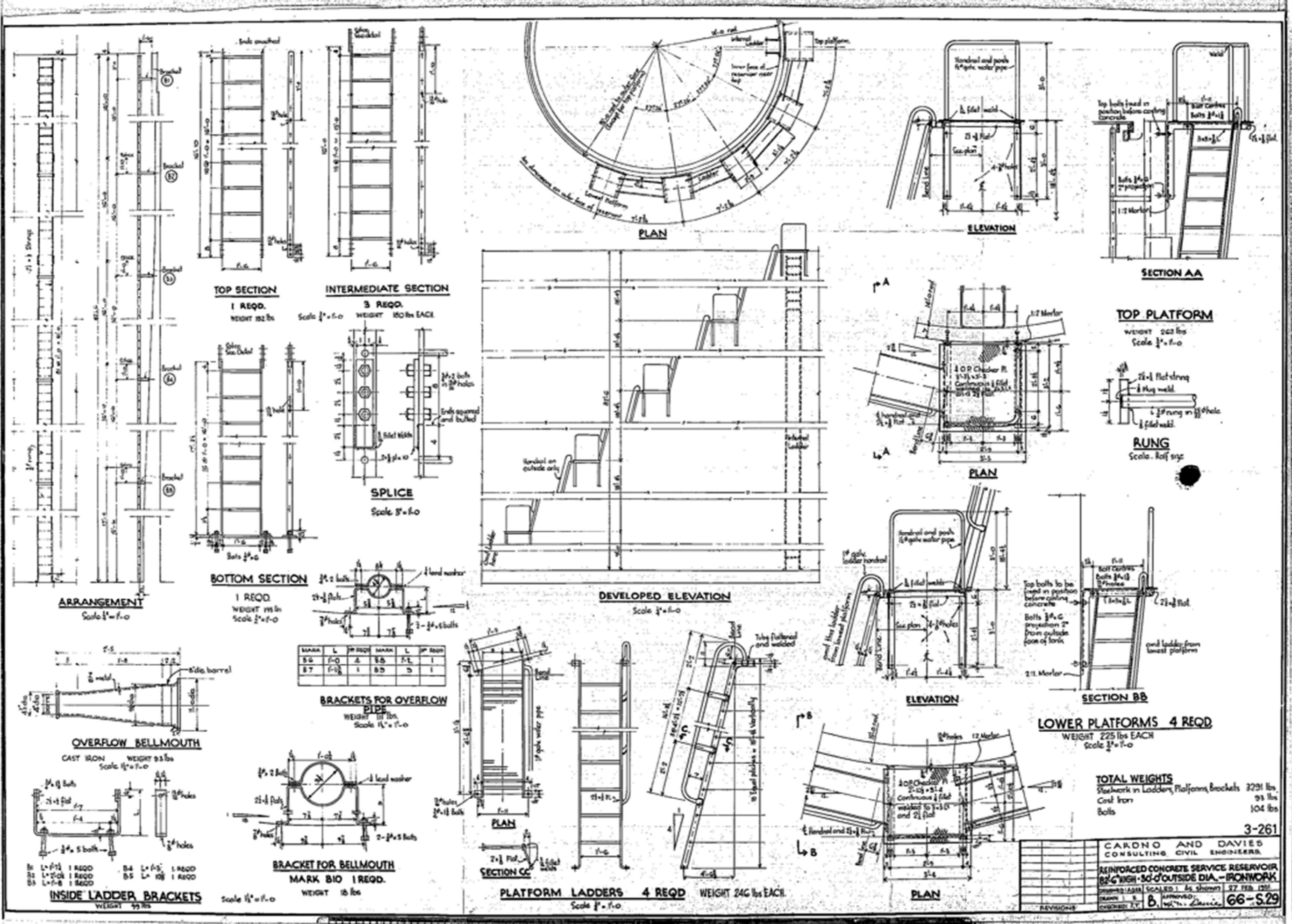
FOR GENERAL NOTES REFER DRWG NO 8739/1.

			ASSOCIATED DRAWINGS	LEVEL DATUM DEFINED BY		ULLMAN & NOLAN Pty. Ltd. CONSULTING ENGINEERS BRISBANE MACKAY ADELAIDE PROSPERINE GLADSTONE BOWEN	BANANA SHIRE COUNCIL . BILOELA WATER SUPPLY 1.5 MEGALITRE CONCRETE RESERVOIR. ROOF & COLUMN REINFORCEMENT, & MANHOLE COVER .	JOB No. 8739.		
			Scale	AZIMUTH DATUM				No. 5 OF 5 DWGS.		
			Scale	SURVEYED		SUBMITTED <i>R. D. Stearns</i> DATE 3-8-84	APPROVED <i>R. J. Lunn</i> DATE 21.1.84	DRWG No.		
			Scale	DESIGNED G.S.				3		
				DRAWN P.C.				REV		
				FIELD BOOK				3-249		
				PLOTTED						
NO. BY DATE DESCRIPTION APPD REVISIONS			NORTH POINT							



Photos of Reservoir and the Access Hatch

As Built and Photos for Bilola Low Zone Standpipe



TOP SECTION
1 REQ.
WEIGHT 152 lbs

INTERMEDIATE SECTION
3 REQ.
WEIGHT 150 lbs EACH

SPICE
Scale 3" = 1'-0"

SECTION AA

TOP PLATFORM
WEIGHT 202 lbs
Scale 3/4" = 1'-0"

RUNG
Scale: Half size

DEVELOPED ELEVATION
Scale 3/4" = 1'-0"

LOWER PLATFORMS 4 REQ.
WEIGHT 225 lbs EACH
Scale 3/4" = 1'-0"

BRACKETS FOR OVERFLOW PIPE
WEIGHT 117 lbs.
Scale 1 1/2" = 1'-0"

MARK	L	SP REQ.	MARK	L	SP REQ.
B6	1'-0"	4	B5	1'-1"	1
B7	1'-3"	1	B8	0"	1

BRACKET FOR BELLMOUTH
MARK B10 1 REQ.
WEIGHT 15 lbs

PLATFORM LADDERS 4 REQ.
WEIGHT 246 lbs EACH
Scale 3/4" = 1'-0"

TOTAL WEIGHTS

Steelwork in Ladders, Platforms, Brackets	3291 lbs.
Cast Iron	93 lbs.
Bolts	104 lbs.

INSIDE LADDER BRACKETS
WEIGHT 59 lbs

Scale 1 1/2" = 1'-0"

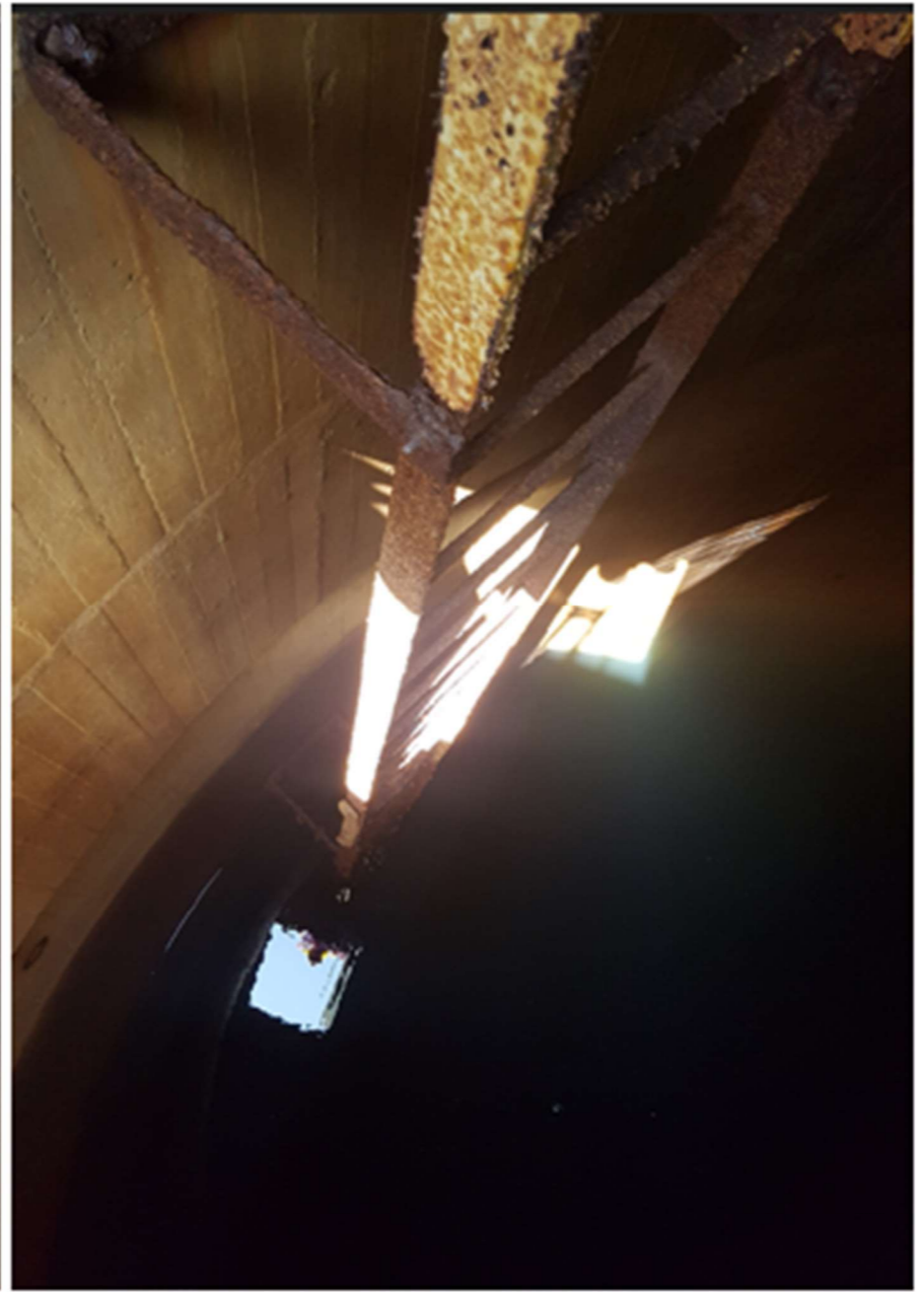
B1	L=1'-11"	1 REQ.	B4	L=1'-5"	1 REQ.
B2	L=2'-0"	1 REQ.	B5	L=1'-8"	1 REQ.
B3	L=1'-8"	1 REQ.			

3-261

CARONO AND DAVIES
CONSULTING CIVIL ENGINEERS.

REINFORCED CONCRETE SERVICE RESERVOIR,
82'-6" HIGH - 80'-0" OUTSIDE DIA. - IRONWORK

DESIGNED BY: [Signature] SCALE: As shown 27 FEB 1959
DRAWN BY: B. APPROVED: [Signature] 66-S29
CHECKED BY: [Signature]

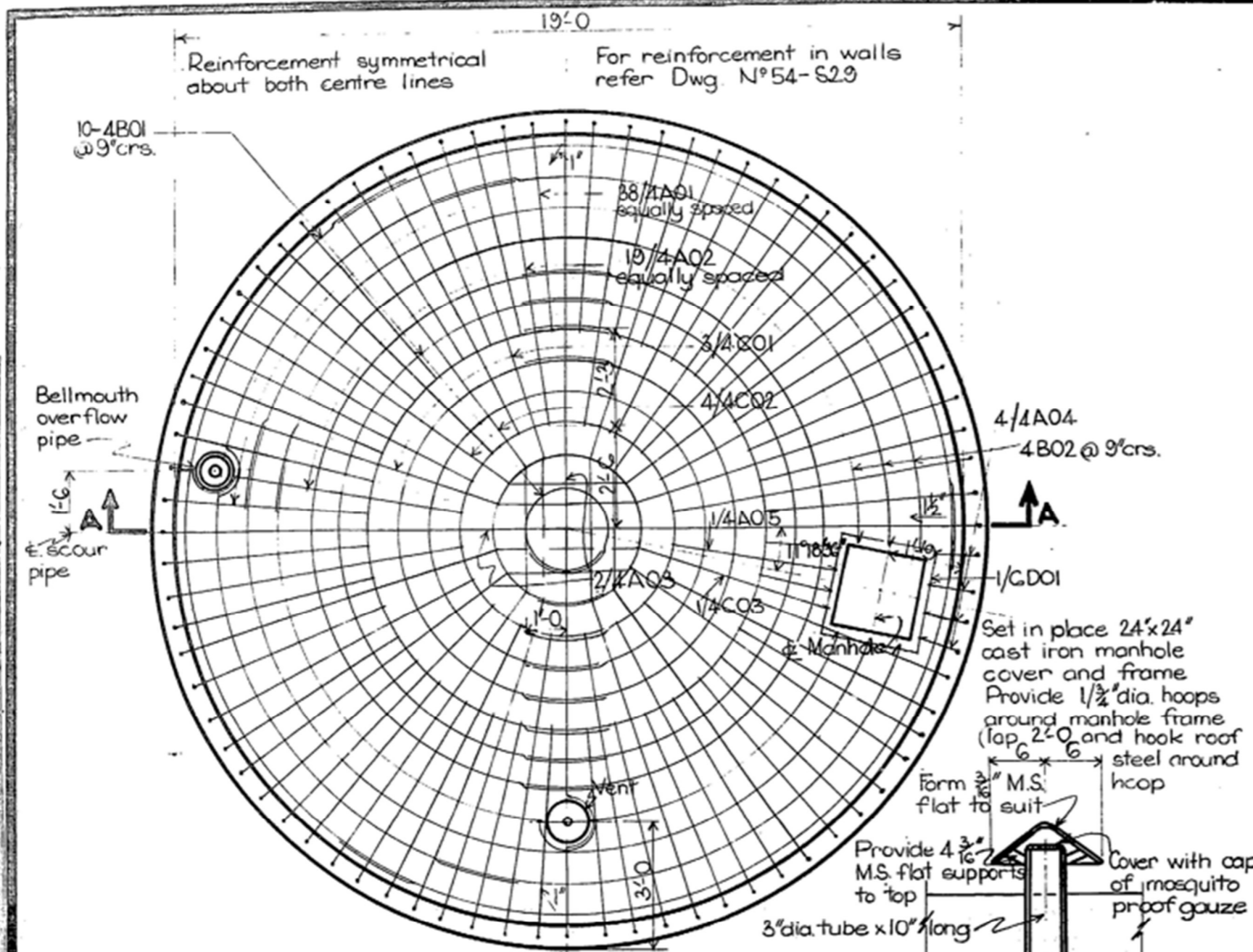


Photos Low Zone Standpipe Reservoir and Existing Internal Ladder



Photos Low Zone Standpipe New Roof and Access Hatch

As Built and New Roof Photos for Moura Standpipe



PLAN

Scale: 3/8" = 1'-0"

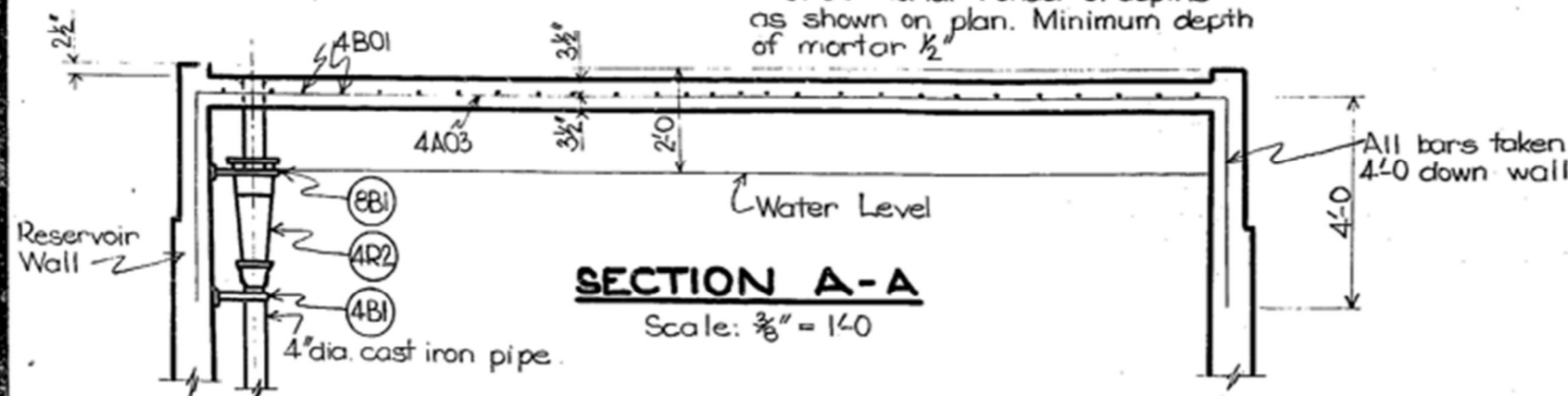
DETAIL OF VENT

Scale: 1" = 1'-0"

SHAPE	MARK	DIA.	A	B	C	LENGTH	N°	TOTAL	
								1/2"	3/4"
	4A01	1/2"	5'-0"	4'-0"		9'-0"	38	342	
	4A02	1/2"	7'-3"	4'-0"		11'-3"	19	214	
	4A03	1/2"	19'-6"	4'-0"		27'-6"	2	55	
	4A04	1/2"	9"	4'-0"		5'-4"	4	22	
	4A05	1/2"	4'-0"			4'-7"	1	5	
	4B01	1/2"	2'-0"			8'-3"	1	9	
			3'-6"			13'-0"	1	13	
			5'-0"			17'-9"	1	18	
			6'-6"			22'-5"	1	23	
	4B01	1/2"	14'-7"	4'-0"		14'-7"	2	30	
			16'-11"	4'-9"		16'-1"	2	33	
			19'-4"	5'-6"		19'-4"	2	39	
			21'-8"	6'-3"		21'-8"	2	44	
			21'-5"	9'-3"		21'-5"	3	65	
	4B02	1/2"	21'-9"	7'-0"		22'-4"	2	45	
			24'-1 1/2"	7'-9"		24'-8"	2	50	
			17'-0"	8'-6"		17'-7"	2	36	
	4C01	1/2"	8'-0"	3'-4"	4'-0"	29'-4"	3	88	
	4C02	1/2"	8'-0"	2'-10"	4'-0"	28'-10"	4	116	
	4C03	1/2"	8'-0"	3'-4"	4'-0"	20'-8"	1	21	
	G001	3/4"	2'-6"	2'-6"		12'-0"	1	12	
TOTAL								1289	12

Provide outlet to Bellmouth with 4" dia. G.M.S. tube. Top to be screened with lift out fibre glass mosquito proof gauze screen recessed 1/2" below render.

Provide mortar render of depths as shown on plan. Minimum depth of mortar 1/2"



SECTION A-A

Scale: 3/8" = 1'-0"

NOTES

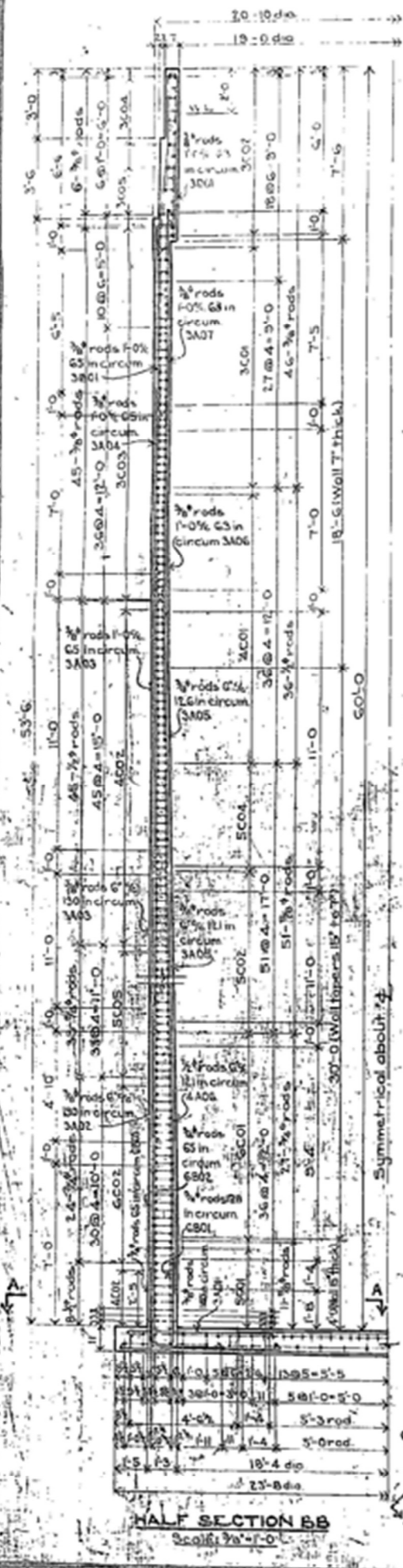
- 1. All concrete to be Class A.
- 2. All bars to be lapped 48 diameters and bent around obstructions.

QUANTITIES

Concrete Class A 6.1 cu. yds.
Mortar Render 31.5 sq. yds.
Reinforcing Steel 0.4 tons

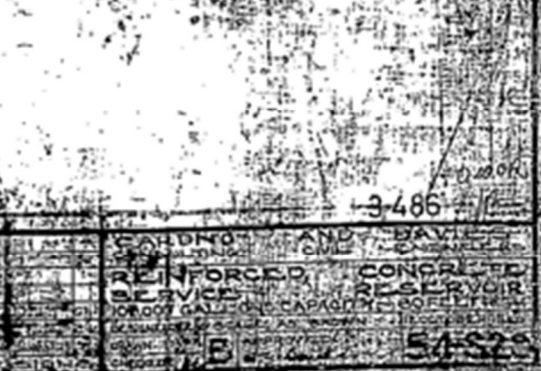
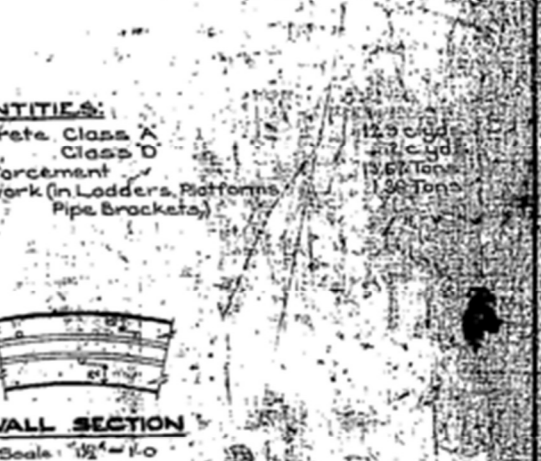
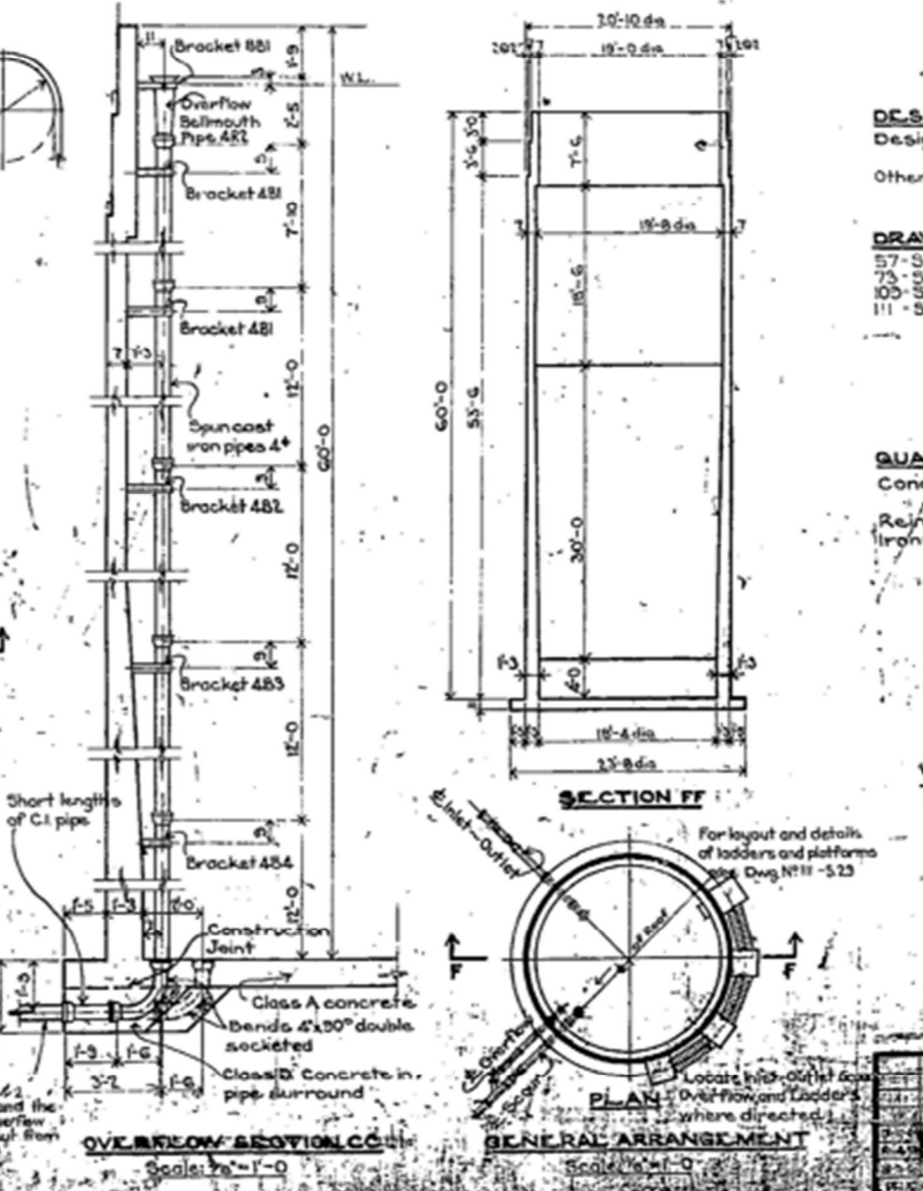
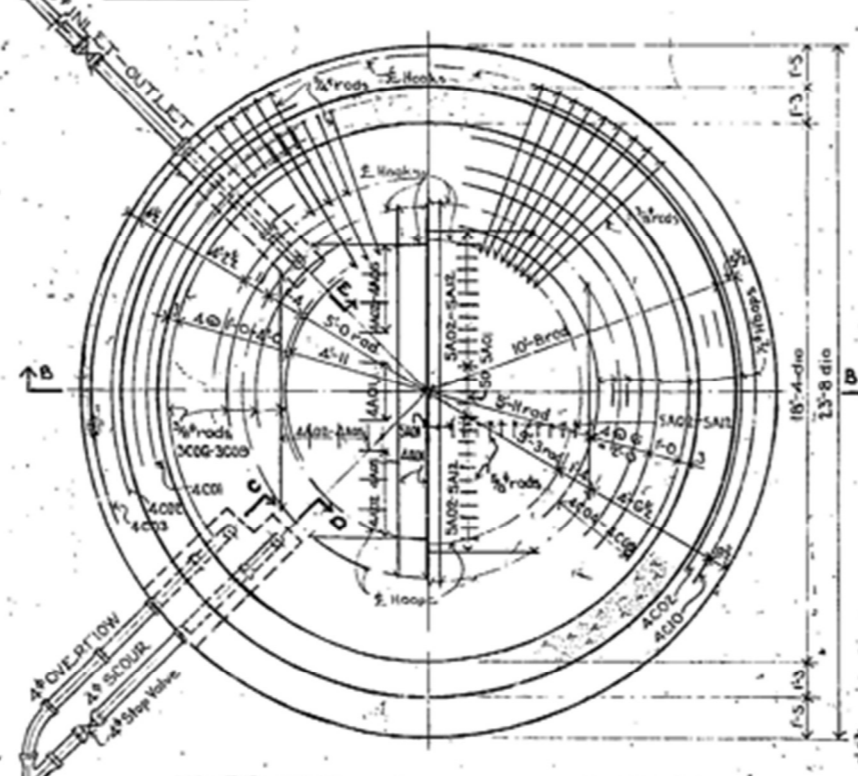
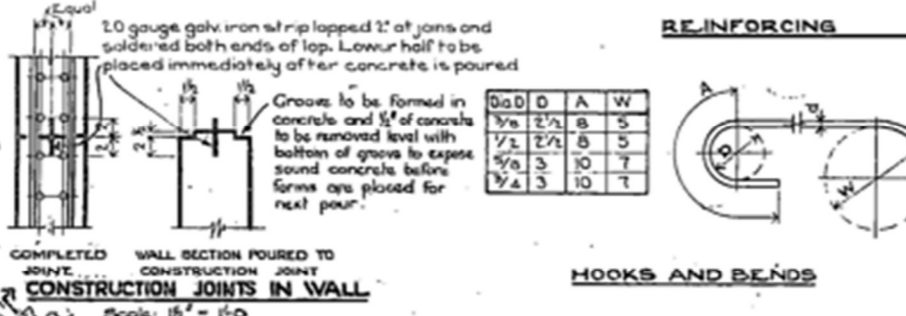
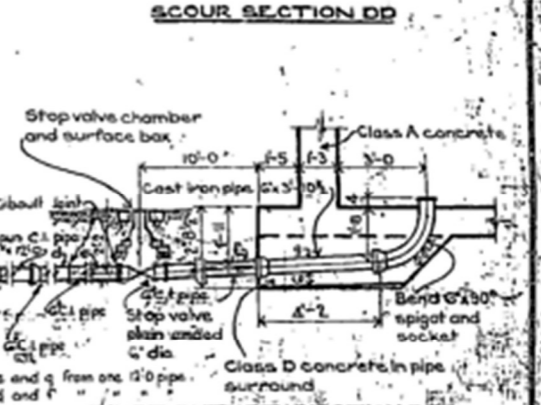
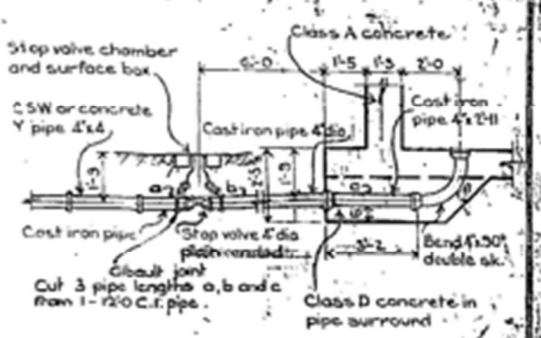
3-484

CARDNO AND DAVIES
CONSULTING ENGINEERS
REINFORCED CONCRETE RESERVOIR
60' HIGH 20'-10" DIAMETER
CONCRETE ROOF AND DETAILS
DESIGNED: [Signature] SCALES AS SHOWN OCTOBER, 1964
DRAWN: [Signature] APPROVED
CHECKED: A.J.C. D. [Signature]
SUBMITTED: [Signature]



SHAPE	LOCATION	MARK	Dia	A	S	LENGTH N ^o OFF	Lengths in feet				
							7/8	1/2	3/4	1/4	
Wall outside face	3A01	3/8	5'-10"	7'-3"	140	1015					
Wall outside face	3A02	3/8	6'-0"	8'-2"	150	1062					
Wall outside face	3A03	3/8	6'-0"	14'-4"	185	1195					
Wall outside face	3A04	3/8	3'-0"	10'-4"	65	672					
Wall inside face	3A05	3/8	13'-2"	14'-4"	247	3541					
Wall inside face	3A06	3/8	3'-0"	10'-4"	65	651					
Wall inside face	3A07	3/8	3'-5"	10'-9"	65	678					
Base slab earth face	4A01	1/2	12'-8"	14'-0"	6		34				
Base slab earth face	4A02	1/2	11'-8"	12'-0"	4		52				
Base slab earth face	4A03	1/2	11'-0"	12'-0"	4		50				
Base slab earth face	4A04	1/2	9'-9"	11'-1"	4		49				
Base slab earth face	4A05	1/2	7'-7"	8'-11"	4		36				
Base slab earth face	4A06	1/2	11'-8"	13'-0"	12		1573				
Base slab water face	5A01	1/2	12'-10"	14'-6"	10		145				
Base slab water face	5A02	1/2	12'-8"	14'-4"	4		58				
Base slab water face	5A03	3/8	12'-6"	14'-2"	4		57				
Base slab water face	5A04	3/8	12'-3"	13'-11"	4		56				
Base slab water face	5A05	3/8	11'-11"	13'-7"	4		55				
Base slab water face	5A06	3/8	11'-6"	13'-2"	4		53				
Base slab water face	5A07	3/8	11'-1"	12'-9"	4		51				
Base slab water face	5A08	3/8	10'-11"	12'-3"	4		49				
Base slab water face	5A09	3/8	9'-11"	11'-7"	4		47				
Base slab water face	5A10	3/8	9'-2"	10'-0"	4		44				
Base slab water face	5A11	3/8	8'-3"	9'-11"	4		40				
Base slab water face	5A12	3/8	7'-0"	8'-8"	4		35				
Wall outside face	6B01	3/4	8'-5"	10'-2"	65	661					
Wall to base	6B02	3/4	2'-13"	3'-8"	7	128		960			
Wall to base	6B03	3/4	2'-8"	3'-5"	65		673				
Wall to base	6B03	3/4	3'-1"	5'-2"	65		655				
Brought Forward								11075	1840	650	2488
Total lengths in feet								1834	3205	1580	6203
Total weights in tons								3.234	2.741	3.550	4.161

SHAPE	LOCATION	MARK	Dia	A	B	LENGTH N ^o OFF	Lengths in feet				
							7/8	1/2	3/4	1/4	
Wall inside face	3C01	3/8	12'-8"	10'-0"	24'-1"	33				2240	
Wall inside face	3C02	3/8	11'-4"	9'-8"	22'-8"	45				1020	
Wall outside face	3C03	3/8	12'-2"	10'-2"	23'-8"	138				3126	
Wall outside face	3C04	3/8	12'-0"	10'-0"	23'-4"	11				280	
Wall outside face	3C05	3/8	12'-5"	10'-5"	23'-1"	9				208	
Base slab	3C06	3/8	5'-11"	13'-7"	20'-11"	2				41	
Base slab	3C07	3/8	6'-11"	12'-0"	24'-2"	2				49	
Base slab	3C08	3/8	7'-11"	11'-8"	19'-0"	3				57	
Base slab	3C09	3/8	8'-11"	11'-8"	17'-0"	2				63	
Base slab	4C01	1/2	9'-5"	11'-2"	15'-6"	6				135	
Base slab	4C02	1/2	10'-8"	11'-2"	19'-6"	8				156	
Base slab	4C03	1/2	11'-11"	10'-10"	20'-2"	4				81	
Base slab	4C04	1/2	11'-10"	19'-2"	21'-2"	2				43	
Base slab	4C05	1/2	6'-5"	21'-6"	22'-8"	2				46	
Base slab	4C06	1/2	6'-11"	23'-0"	24'-4"	2				49	
Base slab	4C07	1/2	7'-5"	16'-0"	18'-2"	3				55	
Base slab	4C08	1/2	7'-11"	17'-0"	19'-2"	3				58	
Base slab	4C09	1/2	8'-11"	15'-11"	21'-3"	3				64	
Base slab	4C10	1/2	11'-11"	18'-5"	20'-1"	4				81	
Wall inside face	4C11	1/2	13'-0"	10'-0"	24'-5"	106				2637	
Wall outside face	4C12	1/2	12'-8"	10'-2"	24'-0"	165				3360	
Wall inside face	5C01	3/8	21'-6"	3'-5"	23'-2"	33				765	
Wall inside face	5C02	3/8	22'-1"	3'-9"	23'-9"	111				2637	
Wall inside face	5C04	3/8	21'-10"	10'-1"	24'-6"	42				1025	
Wall inside face	5C05	3/8	23'-2"	10'-11"	24'-0"	39				2453	
Wall inside face	6C01	3/4	21'-10"	3'-5"	23'-6"	81				1804	
Wall inside face	6C02	3/4	23'-6"	10'-2"	25'-2"	71				1812	
Wall of top	3D01	3/8	-	-	10'-1"	65				1014	
Brought Forward								11075	1840	650	2488
Total lengths in feet								1834	3205	1580	6203
Total weights in tons								3.234	2.741	3.550	4.161



DESIGN BASIS:
 Design of Wall - Steel in Tension (1200 lbs)
 Concrete in Tension (175 lbs)
 Other Sections - Steel in Tension (1600 lbs)
 Concrete in Compression (880 lbs)

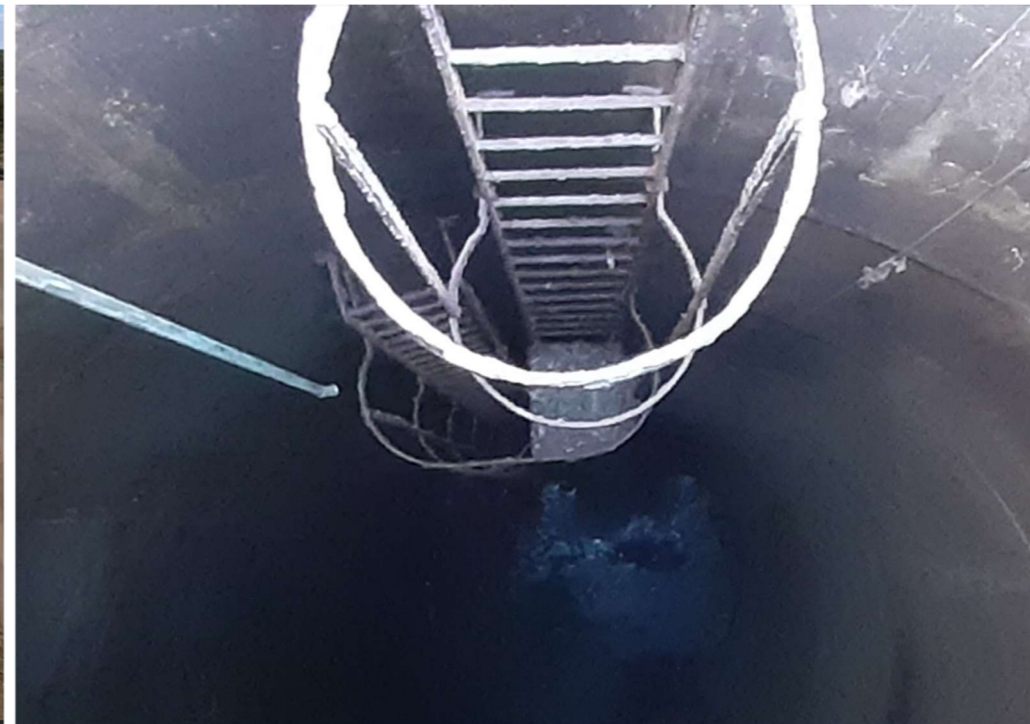
DRAWING REFERENCE:
 57-525 Water Level Indicator (If Ordered)
 73-525 Water Retention Details
 105-525 Concrete Roof and Details
 111-525 Ironwork Details

QUANTITIES:
 Concrete Class A (125 cu yd)
 Concrete Class D (157 cu yd)
 Reinforcement (156 Tons)
 Ironwork (in Ladders, Platforms, Pipe Brackets) (138 Tons)

3-486
 REINFORCED CONCRETE SERVICE RESERVOIR
 54-526



Photos of Reservoir and the New Access Hatch



Photos of Old Access Hatch and Existing Internal ladder