

- NOTES:**
- THRUST BLOCKS TO BE PROVIDED AT ALL UNRESTRAINED FITTINGS
 - ALLOW PROVISIONS IN SLAB FOR ELECTRICAL CONDUITS IN AN APPROVED LOCATION



LEGEND

- ABOVE GROUND PIPES
- - - UNDER GROUND PIPES
- PIPE CENTERLINE
- - - ROOF EXTENT

SYMBOLS

- GRATED FLOOR DRAIN
- PIPE SUPPORT AT ALLOCATED LOCATIONS ON SKID. UNISTRUT PIPE CLAMP OR EQUIVALENT PRODUCT
- FLANGE

MECHANICAL EQUIPMENT TABLE

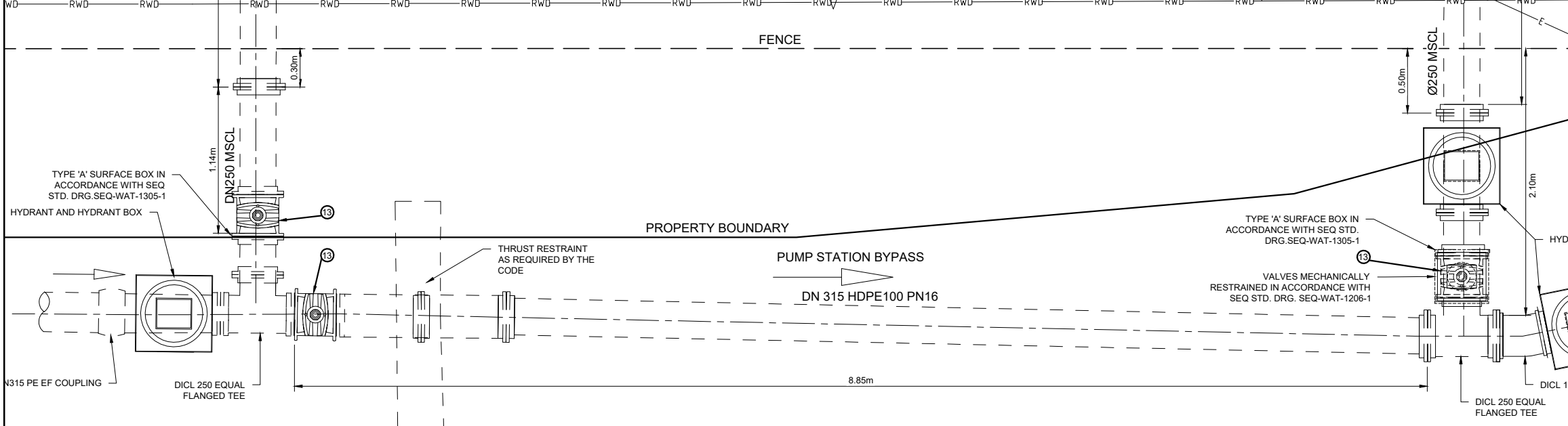
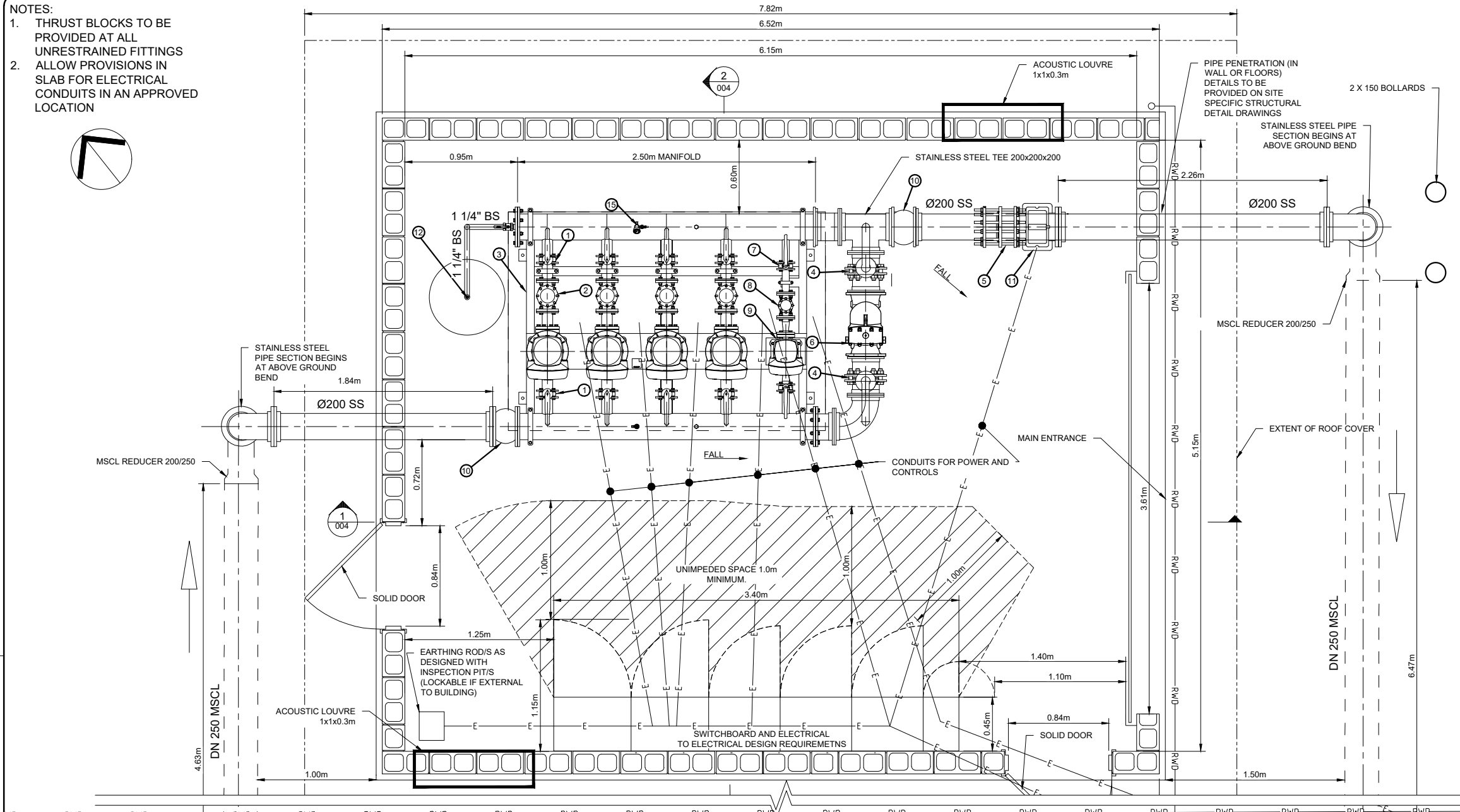
ITEM NUMBER	NAME	QUANTITY	DN
1	AVFI BUTTERFLY VALVE LUGGED PN16	8	80
2	AVFI SWING FLEX CHECK VALVE PN16	4	200
3	HYDRO MPC-E-4 CRE45-2-2 BOOSTER SET	1	-
4	AVFI BUTTERFLY VALVE LUGGED PN16	2	200
5	AVFI DISMANTLING JOINT	1	200
6	AVFI SWING FLEX CHECK VALVE PN16	1	200
7	AVFI BUTTERFLY VALVE LUGGED PN16	1	50
8	AVFI SWING FLEX CHECK VALVE PN16	1	50
9	CRNE 10-5 PILOT PUMP	1	-
10	AVFI SPHERICAL RUBBER EXPANSION JOINT	2	200
11	MAG FLOW E+H PROMAG 50W ELECTROMAGNETIC FLOWMETER	1	200
12	GRUNDFOS GT-U-200 PN16 200 LITRE PRESSURE TANK	1	-
13	AVFI RESILIENT SEATED GATE VALVE WITH A VALVE BOX AND SPINDLE EXTENSION	3	250
14			
15	BALL VALVE, PRESSURE GAUGE & PRESSURE TRANSDUCER	1	-

PIPE WORKS QUANTITY TABLE

NAME	QUANTITY	DN	PN	LENGT H (m)
STAINLESS STEEL PIPE (EXCLUDING MANIFOLD LENGTH)	-	200	16	4.70
90° STAINLESS STEEL BEND (SHORT RADIUS)	3	200	16	-
STAINLESS STEEL TEE	1	200x200x200	16	-
DICL TEE	2	250x250x250	16	-
DICL PIPE	-	250	16	7.65
MSCL PIPE	-	250	16	13.00
MSCL PIPE	-	200	16	2.00
MSCL REDUCER WITH FLANGE	2	200/250	16	-
90° MSCL BEND (SHORT RADIUS)	2	200	16	-
UNISTRUT PIPE SUPPORT (CLAMP)	4	200	-	-
UNISTRUT PIPE SUPPORT (CLAMP)	4	80	-	-
UNISTRUT PIPE SUPPORT (CLAMP)	1	50	-	-

NOTES

- LENGTHS OF FITTINGS ARE NOT INCLUDED IN THE TOTAL PIPE LENGTH.
- ALL FLANGES TO AS4087 PN16 (CLEARLY STAMPED). THE PUMP SUPPLIER TO PROVIDE DETAILS OF PUMP NOZZLE CONNECTIONS
- VALVES TO BE SUPPLIED WITH LOCKABLE DOUBLE ACTION LEVER HANDLES PE TO FLANGE ADAPTORS IPAM APPROVED EF FITTINGS WITH FULL FACED FLANGE & SS316 BACKING RING
- ALL BENDS, TEES AND INGROUND FITTINGS HAVE THRUST BLOCKS IN ACCORDANCE WITH SEQ-WAT-1205-1
- REFER TO HYDRAULIC ENGINEERS DRAWINGS FOR INTERNAL BUILDING SLAB GRADING.



DRAFTED	MGM
DRAFTING REVIEW	
UU CAD FILE	413000003.dwg
UU FILE REFERENCE	



URBAN UTILITIES DELEGATE DATE

ASSET/PROJECT
TYPICAL WATER SUPPLY BOOSTER PUMP STATION

DRAWING TITLE
TYPICAL BUILDING PLAN, PIPE LAYOUT AND MATERIALS LIST

SHEET No. 3 OF 5	REVISION
URBAN UTILITIES DRAWING No.	A
413000003	
DRAWING STATUS	CONCEPT