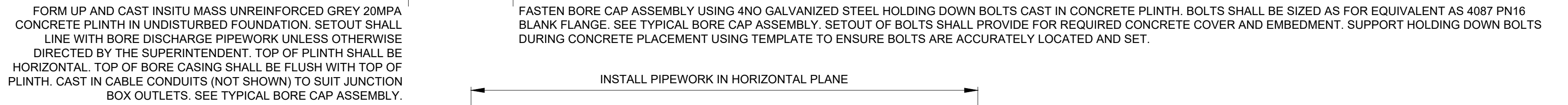
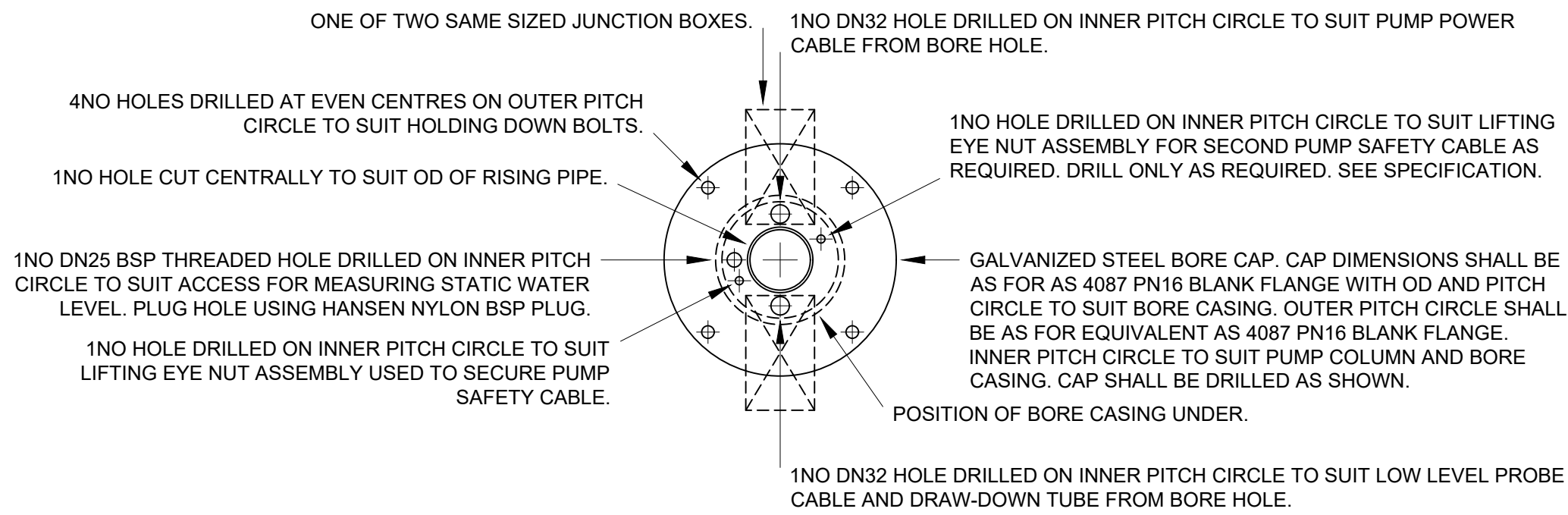


Drawing file: 15731-001 Bore Discharge.dwg - 13/10/2020 09:40AM



GALVANIZED STEEL PIPE SPOOL WITH AS 4087 PN16 FLANGES SIZED SAME SIZE AS PUMP COLUMN. CONFIRM FLANGES ARE COMPATIBLE WITH RELATED EQUIPMENT PRIOR TO FABRICATION.

AQUAMONIX MAGNETIC FLOW METER COMPLETE WITH REMOVEABLE ALUMINUM CHECKERED PLATE ENCLOSURE BOLTED TO FLANGES. METER SHALL BE SIZED SAME SIZE AS DISCHARGE PIPEWORK. MOUNT REMOTE FLOW DISPLAY UNIT IN PUMP CONTROL CABINET AS REQUIRED. SUPPLY AND INSTALL REMOTE READOUT CABLE/CONDUIT TO SHARED PIT.

GALVANIZED STEEL PIPE SPOOL WITH AS 4087 PN16 FLANGES SIZED SAME SIZE AS PUMP COLUMN. CONFIRM FLANGES ARE COMPATIBLE WITH RELATED EQUIPMENT PRIOR TO FABRICATION.

DUAL FLAP CHECK VALVE SIZED SAME SIZE AS DISCHARGE PIPEWORK.

ARI S-052 AUTOMATIC AIR RELEASE VALVE OR APPROVED EQUIVALENT WITH DUCTILE IRON SHELL AND BRASS BASE. SEE TABLE FOR VALVE SIZE. INSTALL VALVE IN GALVANIZED STEEL BSP HALF SOCKET WELDED CENTRALLY OVER HOLE DRILLED AT MIDPOINT IN TOP OF TEE. HOLE AND SOCKET SIZED SAME SIZE AS VALVE.

GALVANIZED STEEL PIPE SPOOL WITH TEE AND AS 4087 PN16 FLANGES SIZED SAME SIZE AS PUMP COLUMN. CONFIRM FLANGES ARE COMPATIBLE WITH RELATED EQUIPMENT PRIOR TO FABRICATION. BUTT WELD TEE TO SHORT PIPE PIECE.

GALVANIZED STEEL AS 4087 PN16 BLANK FLANGE.

BUTTERFLY VALVE WITH NOTCH PLATE AND HANDLE. VALVE SIZED SAME SIZE AS DISCHARGE PIPEWORK. REMOVE AND STORE HANDLE IN PUMP CONTROL CABINET.

GALVANIZED STEEL PIPE SPOOL WITH LONG RADIUS 90DEG ELBOW AND AS 4087 PN16 FLANGES SIZED SAME SIZE AS PUMP COLUMN. CONFIRM FLANGES ARE COMPATIBLE WITH RELATED EQUIPMENT PRIOR TO FABRICATION. BUTT WELD ELBOW TO SHORT PIPE PIECES. BURIED PIPEWORK SHALL BE "DENSO" WRAPPED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

150 MIN

MAINLINE PIPEWORK. SEE GENERAL LAYOUT DRAWINGS.

CONNECTOR ASSEMBLY TO SUIT DISCHARGE FLANGE AND MAINLINE PIPEWORK.

ENCASE ELBOW IN NOMINAL 600X600 CONCRETE PLINTH TO PROVIDE SUPPORT FOR DISCHARGE PIPE WORK AND AS REQUIRED TO ANCHOR MAINLINE PIPE WORK. CONCRETE BLOCK SHALL BE CAST IN-SITU IN UNDISTURBED FOUNDATION.

TYPICAL BORE HEAD/DISCHARGE/FLOW METER ASSEMBLY

0 NOT TO SCALE  
SCALE 1:

TYPICAL BORE CAP ASSEMBLY

TABLE OF BORE DISCHARGE DIMENSIONS AND FITTINGS

PUMP COL(1)	A	B	C	D		AIR VALVE
DN50	750	750	350	(2)		DN25
DN80	750	750	600	(2)		DN25
DN100	750	750	600	(2)		DN25

- SEE TECHNICAL SPECIFICATION.
- SEE TYPICAL ARRANGEMENT OF MULTIPLE PIPES IN A COMMON TRENCH.



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The arrangement and general details as shown on this drawing are essentially diagrammatic and must be applied to the circumstances as found on site.

DES/DRAWN AP/TW  
CHECKED AP  
APPROVED AP  
DATE 2020.10.13  
DRAFT REF

CLIENT  
CITY OF SWAN  
PROJECT  
TYPICAL BORE HEAD/DISCHARGE/FLOW METER ASSEMBLY  
DRAWING 15731-400  
SHEET 1 OF 1  
REVISION 0

REV	ISSUED	DRN	APPD	REVISION DESCRIPTION
0	2020.10.13	TW	AP	FOR INFORMATION