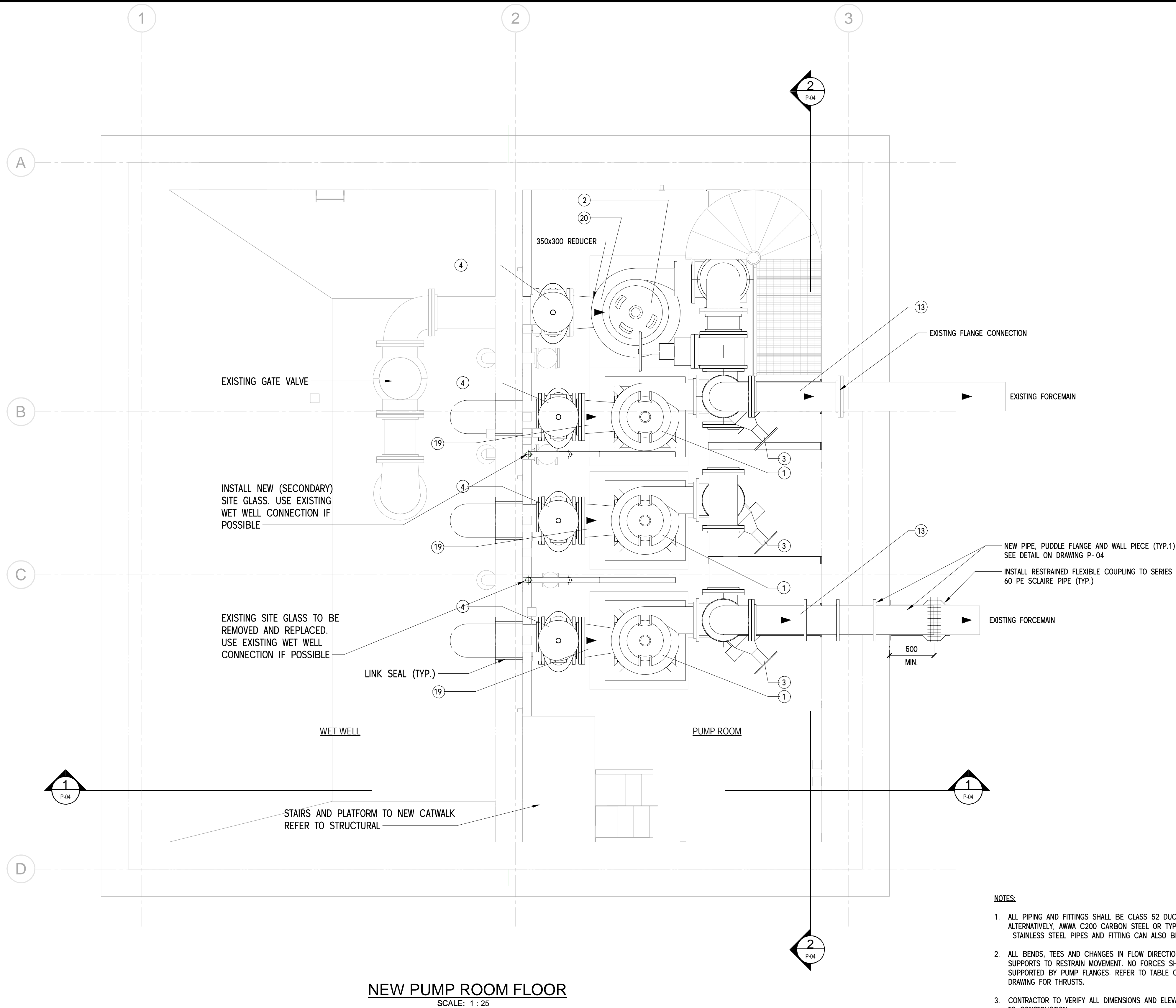


ITEM SUMMARY FOR ALL EQUIPMENT			
ITEM	QUANTITY	DESCRIPTION	FINISH
1	3	220 l/s SEWAGE PUMPS	C.I.
2	1	340 l/s STORM PUMP	C.I.
3	5	300mm METAL SEATED GATE VALVE	D.I./C.S./304SS
4	5	350mm METAL SEATED GATE VALVE	D.I./C.S./304SS
5	3	300mm RUBBER FLAPPER CHECK VALVE	D.I./C.S./304SS
6	1	350mm RUBBER FLAPPER CHECK VALVE	D.I./C.S./304SS
7	5	300mm 90° ELBOW	D.I./C.S./304SS
8	2	350mm 90° ELBOW	D.I./C.S./304SS
9	3	350mm X 300mm 90° REDUCING ELBOW	D.I./C.S./304SS
10	4	PUMP DRIVE SHAFT	C.S.
11	4	VERTICAL MOUNTED MOTOR	
12	2	300mm FLOW METER WITH REMOTE DISPLAY	
13		300mm PROCESS PIPE	D.I./C.S./304SS
14		350mm PROCESS PIPE	D.I./C.S./304SS
15	2	300mm TEE	D.I./C.S./304SS
16	1	300mm X 300mm X 300mm CROSS	D.I./C.S./304SS
17	4	PUMP BASE	
18	1	350mm X 300mm REDUCER	D.I./C.S./304SS
19	3	300mm X 250mm REDUCER	D.I./C.S./304SS

PIPE THRUST SUPPORTS				
ITEM	QUANTITY	DESCRIPTION	THRUST	FINISH
T1	2	PIPE HANGER ON 300mm FORCEMAIN	9.68 kN	C.I.
T2	3	PIPE SUPPORT ON 300mm DISCHARGE ELBOW	9.68 kN	C.I.
T3	1	PIPE SUPPORT ON 350mm DISCHARGE ELBOW	16.25 kN	C.I.
T4	1	PIPE SUPPORT ON 350mm ELBOW AT STAIRS	16.25 kN	C.I.
T5	1	PIPE SUPPORT ON 300mm TEE	9.68 kN	C.I.
T6	3	PIPE SUPPORT ON 350mm X 300mm REDUCING ELBOW	10.63 kN	C.I.
T7	4	PIPE SUPPORT ON 300mm FORCEMAIN	9.68 kN	C.I.
T8	2	PIPE SUPPORT ON 300mm COMMON HEADER	9.68 kN	C.I.
NOTE: CONTRACTOR TO PROVIDE PIPE SUPPORTS TO WITHSTAND THRUSTS IN TABLE ABOVE.				



TENDER

NOT FOR CONSTRUCTION

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: xxxxxx

DILLON CONSULTING				ENGINEER'S SEAL		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
DESIGNED BY	SS	CHECKED BY	CP	CONSULTANT PROJECT NUMBER 20-2316		WESTWOOD WASTE WATER PUMPING STATION UPGRADES	
DRAWN BY	SMZ	APPROVED BY	BLM			CITY DRAWING NUMBER 1-0194L-P0003-001	
HOR. SCALE	1 : 25	RELEASED FOR CONSTRUCTION				SHEET 12 OF 23	
VERTICAL						CONSULTANT DRAWING NUMBER P-03	
NO.	REVISIONS	DATE	BY	DATE	SEPTEMBER 2020	PROCESS - NEW PUMP ROOM FLOOR PLAN	