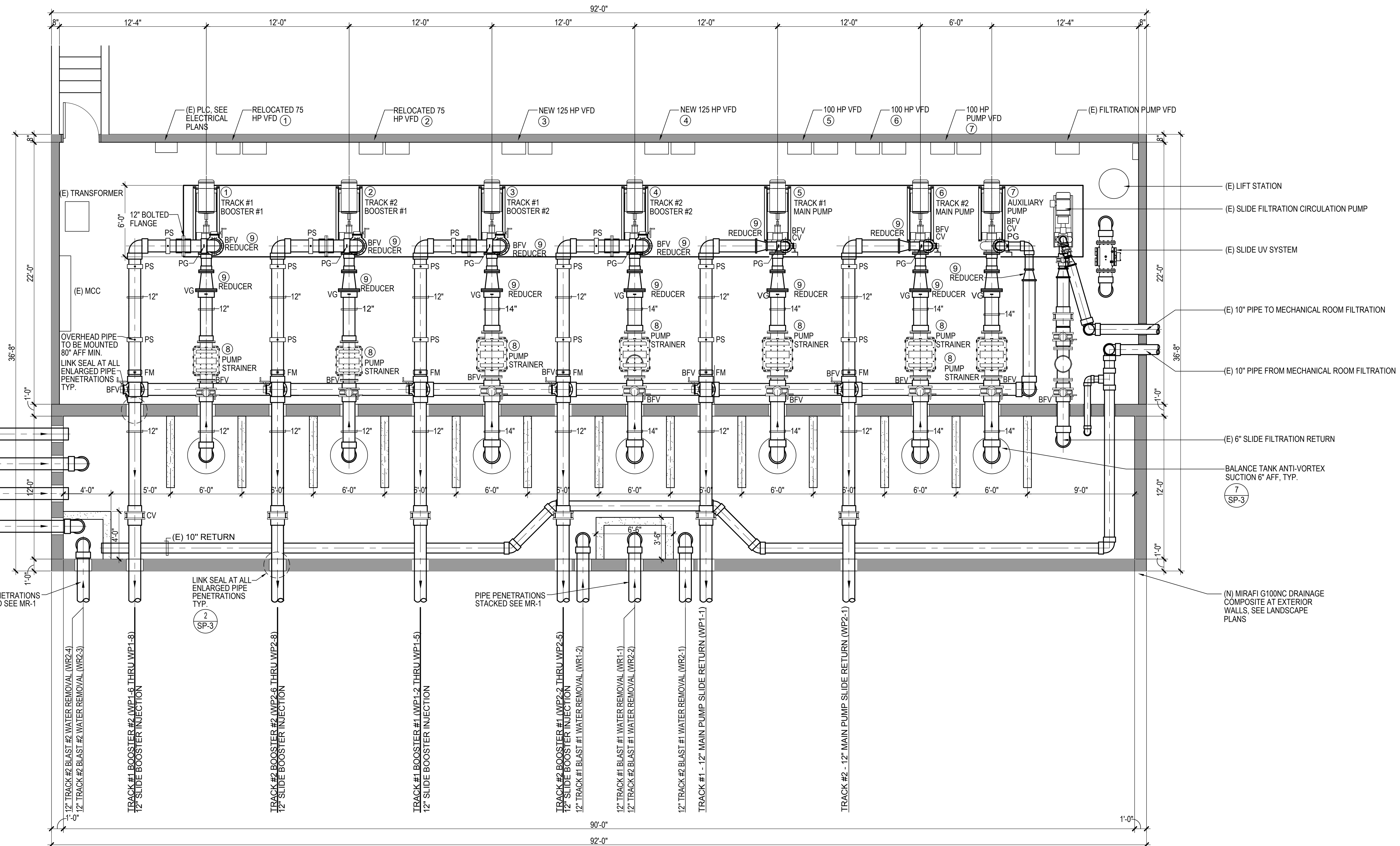
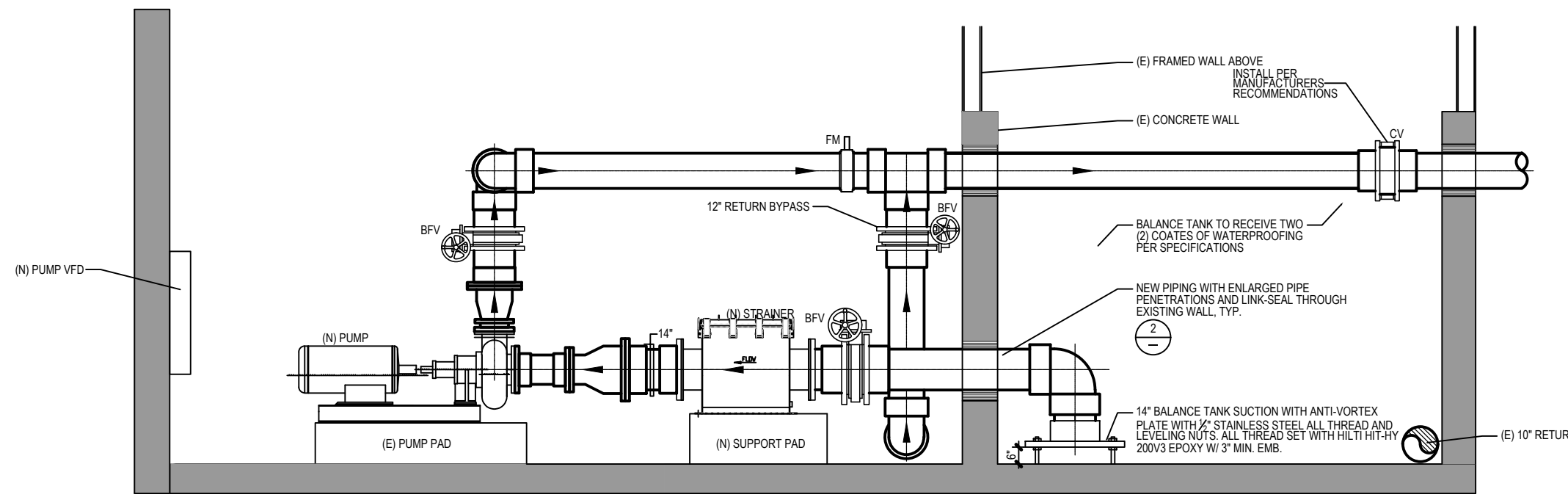




GENERAL NOTES

1. THE PIPING SYSTEM SHALL HAVE DIRECTION OF FLOW ARROWS INDICATED ON THE PIPES.
2. PUBLIC POOLS SHALL HAVE A FLOW DIAGRAM OF THE POOL'S PIPING SYSTEM WITH OPERATION INSTRUCTIONS.
3. THE FLOW DIAGRAM AND INSTRUCTIONS SHALL BE AVAILABLE ON THE PREMISES AT ALL TIME.
4. ALL MECHANICAL ROOM FLOORS SHALL BE SLOPED A MIN 1" PER FOOT TO A DRAIN PER CBC 31229. SEE ARCHITECTURAL SHEETS FOR SPOT ELEVATIONS AND SLOPES.
5. ALL BELOW GRADE POOL PIPING SHALL BE SCHEDULE 40 PVC AND ALL ABOVE GRADE POOL PIPING SHALL BE SCHEDULE 80 PVC.

LEGEND

FM = FLOWMETER
PG/VG = VACUUM / PRESSURE GAUGE
PS = PIPE SUPPORT
BFV = BUTTERFLY VALVE
CV = CHECK VALVE

EQUIPMENT LIST

1. TRACK #1 BOOSTER PUMP #2: 'PACO' #8012-3, TYPE 'LF' SPLIT-CASE END SUCTION PUMP, 1780 RPM, 460V, 3PH, 75HP, RATED AT 1,800 GPM @ 93 FT. TDH, 84% EFFICIENT, PREMIUM EFFICIENCY TEFC MOTOR, EPOXY COAT ALL WET SURFACES, 'PACO', 'AURORA' OR EQUAL, ONE (1) TOTAL. PROVIDE WITH PENTAIR ACCUDRIVE #AD750X-4603-N4X VARIABLE SPEED DRIVE, ONE (1) TOTAL; 25.6" x 9.5" x 10.3" DEEP. COORDINATE MOUNTING LOCATION TO MAINTAIN REQUIRED CLEARANCES, 460V 3PH.
2. TRACK #2 BOOSTER PUMP #2: 'PACO' #8012-3, TYPE 'LF' SPLIT-CASE END SUCTION PUMP, 1780 RPM, 460V, 3PH, 75HP, RATED AT 1,800 GPM @ 93 FT. TDH, 84% EFFICIENT, PREMIUM EFFICIENCY TEFC MOTOR, EPOXY COAT ALL WET SURFACES, 'PACO', 'AURORA' OR EQUAL, ONE (1) TOTAL. PROVIDE WITH PENTAIR ACCUDRIVE #AD750X-4603-N4X VARIABLE SPEED DRIVE, ONE (1) TOTAL; 25.6" x 9.5" x 10.3" DEEP. COORDINATE MOUNTING LOCATION TO MAINTAIN REQUIRED CLEARANCES, 460V 3PH.
3. TRACK #1 BOOSTER PUMP #1: 'PACO' #8012-3, TYPE 'LF' SPLIT-CASE END SUCTION PUMP, 1780 RPM, 460V, 3PH, 125HP, RATED AT 2,300 GPM @ 138 FT. TDH, 85% EFFICIENT, PREMIUM EFFICIENCY TEFC MOTOR, EPOXY COAT ALL WET SURFACES, 'PACO', 'AURORA' OR EQUAL, ONE (1) TOTAL. PROVIDE WITH ACCUDRIVE #AD1250X-4603-N4X VARIABLE SPEED DRIVE MODEL, ONE (1) TOTAL; 25.6" x 9.5" x 10.3" DEEP. COORDINATE MOUNTING LOCATION TO MAINTAIN REQUIRED CLEARANCES, 460V 3PH.
4. TRACK #2 BOOSTER PUMP #1: 'PACO' #8012-3, TYPE 'LF' SPLIT-CASE END SUCTION PUMP, 1780 RPM, 460V, 3PH, 125HP, RATED AT 2,300 GPM @ 138 FT. TDH, 85% EFFICIENT, PREMIUM EFFICIENCY TEFC MOTOR, EPOXY COAT ALL WET SURFACES, 'PACO', 'AURORA' OR EQUAL, ONE (1) TOTAL. PROVIDE WITH ACCUDRIVE #AD125X-4603-N4X VARIABLE SPEED DRIVE MODEL, ONE (1) TOTAL; 25.6" x 9.5" x 10.3" DEEP. COORDINATE MOUNTING LOCATION TO MAINTAIN REQUIRED CLEARANCES, 460V 3PH.
5. TRACK #1 MAIN PUMP: 'PACO' #8012-3, TYPE 'LF' SPLIT-CASE END SUCTION PUMP, 1780 RPM, 460V, 3PH, 100HP, RATED AT 2,300 GPM @ 112 FT. TDH, 84% EFFICIENT, PREMIUM EFFICIENCY TEFC MOTOR, EPOXY COAT ALL WET SURFACES, 'PACO', 'AURORA' OR EQUAL, ONE (1) TOTAL. PROVIDE WITH PENTAIR ACCUDRIVE #ADC10X-4603-N4X VARIABLE SPEED DRIVE, ONE (1) TOTAL; 25.6" x 9.5" x 10.3" DEEP. COORDINATE MOUNTING LOCATION TO MAINTAIN REQUIRED CLEARANCES, 460V 3PH.
6. TRACK #2 MAIN PUMP: 'PACO' #8012-3, TYPE 'LF' SPLIT-CASE END SUCTION PUMP, 1780 RPM, 460V, 3PH, 100HP, RATED AT 2,300 GPM @ 112 FT. TDH, 84% EFFICIENT, PREMIUM EFFICIENCY TEFC MOTOR, EPOXY COAT ALL WET SURFACES, 'PACO', 'AURORA' OR EQUAL, ONE (1) TOTAL. PROVIDE WITH PENTAIR ACCUDRIVE #ADC10X-4603-N4X VARIABLE SPEED DRIVE, ONE (1) TOTAL; 25.6" x 9.5" x 10.3" DEEP. COORDINATE MOUNTING LOCATION TO MAINTAIN REQUIRED CLEARANCES, 460V 3PH.
7. AUXILIARY PUMP: 'PACO' #8012-3, TYPE 'LF' SPLIT-CASE END SUCTION PUMP, 1780 RPM, 460V, 3PH, 100HP, RATED AT 2,300 GPM @ 112 FT. TDH, 84% EFFICIENT, PREMIUM EFFICIENCY TEFC MOTOR, EPOXY COAT ALL WET SURFACES, 'PACO', 'AURORA' OR EQUAL, ONE (1) TOTAL. PROVIDE WITH PENTAIR ACCUDRIVE #ADC10X-4603-N4X VARIABLE SPEED DRIVE, ONE (1) TOTAL; 25.6" x 9.5" x 10.3" DEEP. COORDINATE MOUNTING LOCATION TO MAINTAIN REQUIRED CLEARANCES, 460V 3PH.
8. SLIDE PUMP STRAINERS: EVOQUA 'PRO-STRAINER' STAINLESS STEEL STRAINERS: #P41414SC, FIVE (5) TOTAL, #P31212SC, TWO (2) TOTAL, EACH STRAINER SHALL BE PROVIDED WITH TWO (2) SETS OF STAINLESS STEEL STRAINER BASKETS AND CONCRETE HOUSEKEEPING PAD.
9. REDUCER: 14"x10" SCH 80 PVC CONCENTRIC REDUCER WITH FLANGED CONNECTIONS, FIVE (5) TOTAL, 12"x10" PVC CONCENTRIC REDUCER WITH FLANGED CONNECTIONS, TWO (2) TOTAL, 8"x12" SCH 80 PVC CONCENTRIC REDUCER WITH FLANGED CONNECTIONS, FIVE (5) TOTAL.

NRH

CITY OF NORTH
RICHLAND HILLS

AQUATIC
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PROJECT INFORMATION
NRH20 SLIDE REPLACEMENT

NORTH RICHLAND HILLS, TEXAS

REVISIONS

NO.	DATE	DESCRIPTION
Δ1	8-20-25	PUMP/PLUMBING MODIFICATIONS

LOGO

SEAL

DRAWING TITLE

**MECHANICAL
ROOM ADG /
OWNER
REVISION
PROPOSAL**

PROJECT NO.	2022.162
DRAWN BY	KK
CHECKED BY	AP
DATE	05/03/2024

DRAWING NO.

MR-2



MECHANICAL ROOM PLAN

1/4" = 1'-0"

