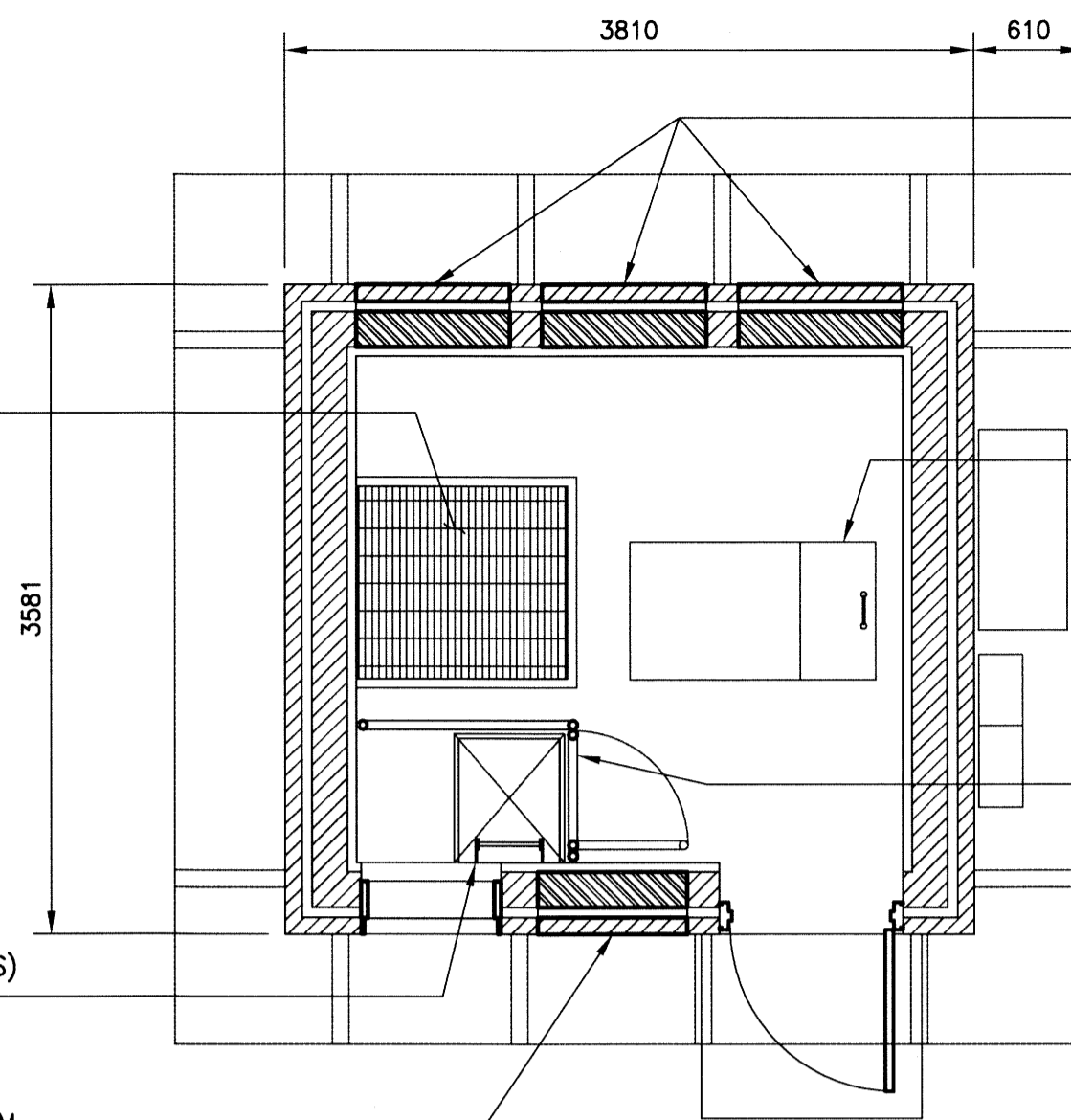


ROOF PLAN

SCALE: 1:40

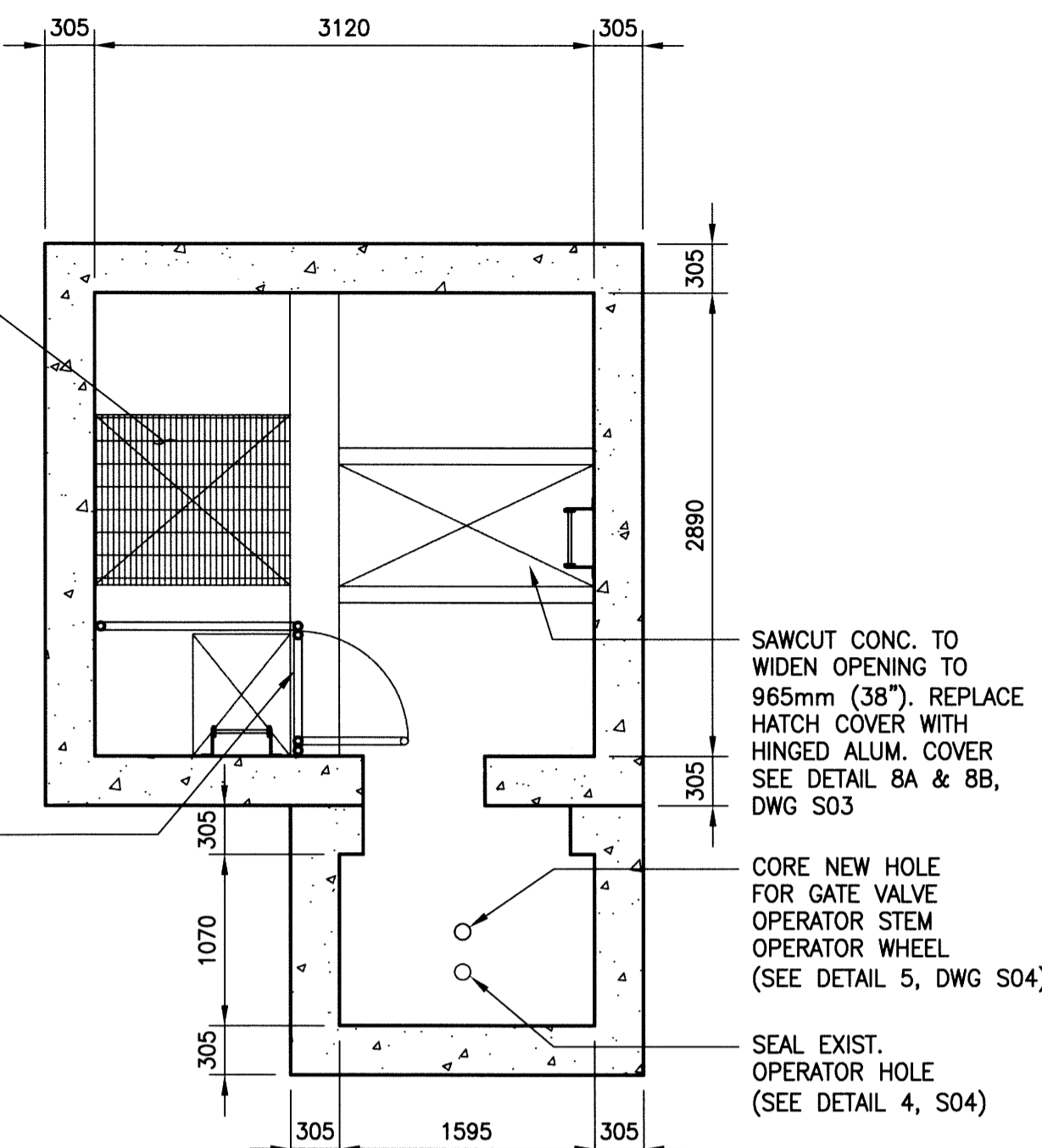
- NEW PRE-FIN. SNOW STOPS TO MATCH NEW ROOFING TYP. EA. SIDE
- EXIST. FRP GRATING TO REMAIN
- NEW PRE-FIN. RIDGE VENTING TO MATCH NEW ROOF
- SURFACE PREPARE ALL LADDERS TO SSPC-SP3 & COAT WITH 1 COAT OF BAR-RUST 235 EPOXY (6 MIL DFT THICKNESS) COLOUR: SAFETY YELLOW
- NEW PRE-FIN. STANDING SEAM METAL ROOFING
- NEW MASONRY INFILL IN EXIST. WINDOW OPN'G TO MATCH EXIST. MASONRY



ELECTRICAL ROOM FLOOR PLAN

SCALE: 1:40

- NEW MASONRY INFILL IN EXIST. WINDOW OPN'G TO MATCH EXIST. MASONRY
- EXIST. FRP GRATING TO REMAIN
- REPLACE EXIST. HATCH WITH ALUM. COVER SEE DETAIL 7, DWG S03
- INSTALL NEW HANDRAIL C/W SPRING-LOADED HINGED GATE AT LADDER OPENINGS SEE ELEVATION A, DWG S03



FLOOR PLAN - LOWER LEVEL 1

SCALE: 1:40

BUILDING UPGRADES SCOPE OF WORK:

WORK TO INCLUDE BUT NOT LIMITED TO:

- EXTERIOR**
- REMOVE EXISTING ASPHALT SHINGLES AND ROOFING MATERIALS DOWN TO BARE ROOF SHEATHING. CUT EXISTING ROOF SHEATHING FOR RIDGE VENT. INSTALL SELF-ADHERED METAL ROOFING UNDERLAYMENT AND PRE-FINISHED STANDING SEAM METAL ROOF.
 - REMOVE EXISTING FASCIA AND INSTALL NEW WOOD FASCIA BOARD ALL AROUND BUILDING. COVER NEW FASCIA WITH CUSTOM, PRE-FINISHED, BENT METAL FLASHING.
 - INSTALL NEW PRE-FINISHED PERFORATED SOFFIT OVER EXISTING WOOD SOFFIT. DRILL HOLES IN EXISTING WOOD SOFFIT FOR VENTING.
 - REPLACE EXISTING DAMAGED MASONRY WITH NEW MASONRY TO MATCH EXISTING. SEE ELEVATIONS FOR REPAIR LOCATIONS.
 - FILL IN EXISTING HOLES THROUGH MASONRY WITH NEW MASONRY TO MATCH EXISTING. SEE ELEVATIONS FOR REPAIR LOCATIONS.
 - REMOVE EXISTING PLYWOOD INFILL IN EXISTING WINDOW OPENINGS AND REPLACE WITH NEW MASONRY INFILL TO MATCH EXISTING MASONRY. SEE PLANS AND DETAILS FOR LOCATIONS.
 - PREPARE AND PAINT EXISTING WOOD ARCHITECTURAL DETAILS, DOOR, EXISTING MASONRY AND CONCRETE FOUNDATION ABOVE GRADE.
 - APPLY ANTI-GRAFFITI COATING ON MASONRY AND CONCRETE FOUNDATION.
- INTERIOR**
- EXISTING RIGID "SM" INSULATION ON THE CEILING OF THE ELECTRICAL ROOM IS TO REMAIN, HOWEVER IT MUST BE COVERED WITH A THERMAL BARRIER. INSTALL POLY VAPOUR BARRIER AND GYPSUM BOARD BELOW EXISTING "SM" INSULATION, FINISH AND PAINT.
 - REMOVE ALL "SM" INSULATION FROM WALLS OF BUILDING AND BELOW GRADE AND REPLACE WITH RIGID MINERAL WOOL INSULATION, WOOD STRAPPING, POLY AND PAINTED PLYWOOD.
 - PREPARE AND PAINT LOWER LEVEL 1, THE MOTOR ROOM AND THE PUMP ROOM.
 - PREPARE AND PAINT EXISTING LADDERS.

ELECTRICAL ROOM

- INSTALL NEW HANDRAIL WITH SPRING LOADED GATE AT THE LADDER OPENING TO LOWER LEVEL 1.
- REMOVE THE EXISTING HATCH AND REPLACE WITH AN ALUMINUM COVER.
- MODIFY EXIST. LIFTING BEAM & INSTALL NEW LOW HEADROOM HOISTING DEVICE. REMOVE EXISTING S150x22 BEAM.

LOWER LEVEL 1

- INSTALL NEW HANDRAIL WITH SPRING LOADED GATE AT THE LADDER OPENING TO THE MOTOR & PUMP ROOMS.
- INSTALL NEW FALL ARREST ANCHOR ABOVE COMMUNICATOR HATCH.
- REINFORCE THE UNDERSIDE OF THE FLOOR SLAB BELOW & WIDEN THE OPENING TO THE COMMUNICATOR ROOM. INSTALL NEW ALUMINUM FRAME AND COVER.

MOTOR ROOM

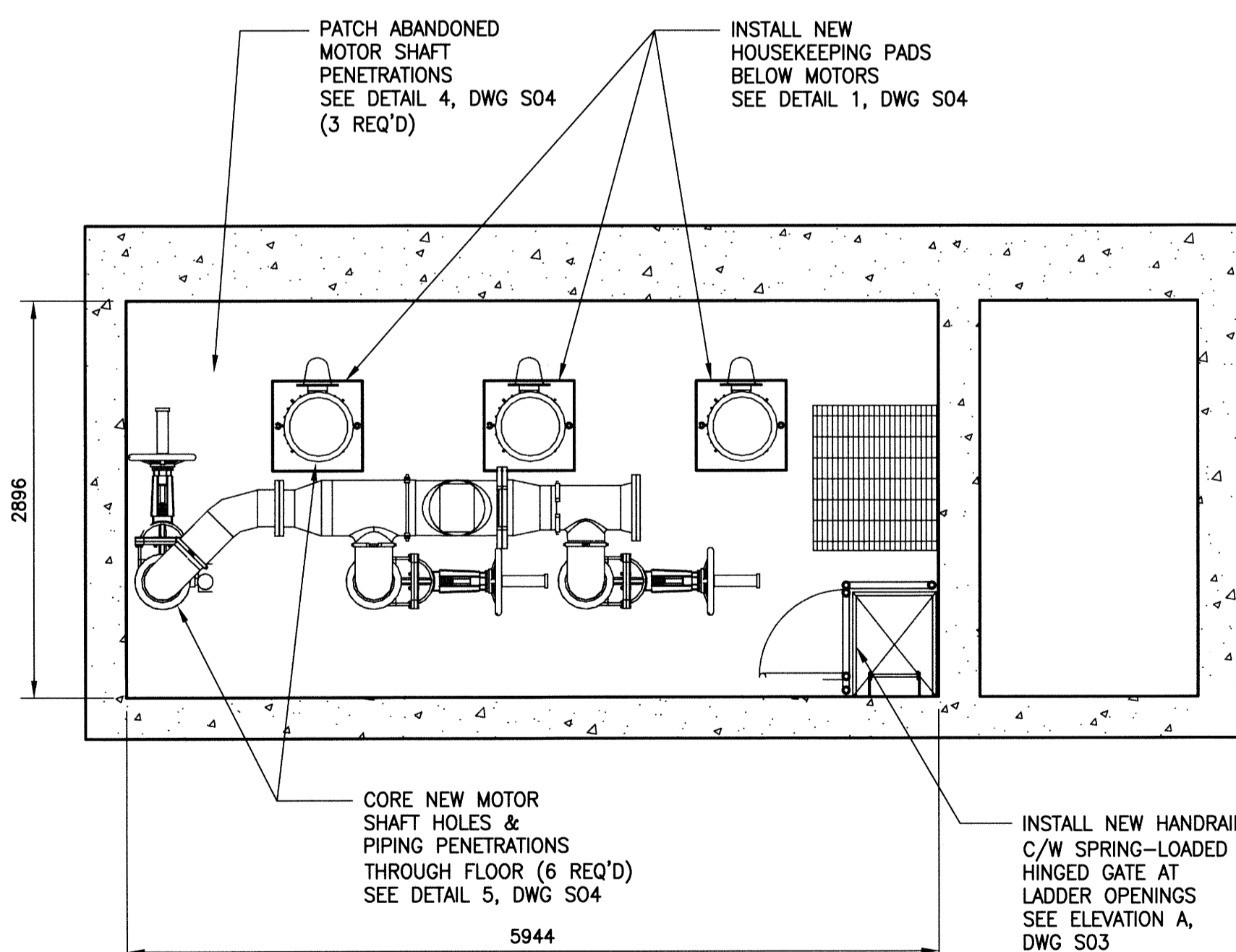
- REMOVE & PATCH EXISTING EPOXY INJECTION PORTS ON THE ARCHED OPENING.
- REPAIR LEAKS IN WALLS WITH WATER-REACTIVE POLYURETHANE RESIN.
- REPLACE THE LIFTING BRACKET AT THE MOTOR ROOM ARCHED ENTRANCE.
- COMPLETE SPALL REPAIRS TO UNDERSIDE OF MOTOR CONCRETE SLAB AND INSTALL REINFORCING PRIOR TO ANY MOTOR ROOM FLOOR WORK.
- SEAL EXISTING ABANDONED MOTOR PENETRATIONS & CORE NEW PIPING & MOTOR PENETRATIONS.
- INSTALL NEW MOTOR HOUSEKEEPING PADS.
- INSTALL NEW LIFTING ASSEMBLIES. REMOVE ALL EXISTING LIFTING BOLTS & U-BOLT.

PUMP ROOM

- INSTALL NEW LIFTING ASSEMBLIES. REMOVE ALL EXISTING LIFTING BOLTS.
- REMOVE CONC. THRUST BLOCK IN THE NORTH-WEST CORNER. ABANDON EXIST. FORCEMAN PIPING AS PER MUNICIPAL DWG C02.
- CORE EXIST. INTAKE PIPES & INSTALL NEW PIPE INTO WET WELL.
- INSTALL NEW GRATED COVER COVER ON SUMP PIT.

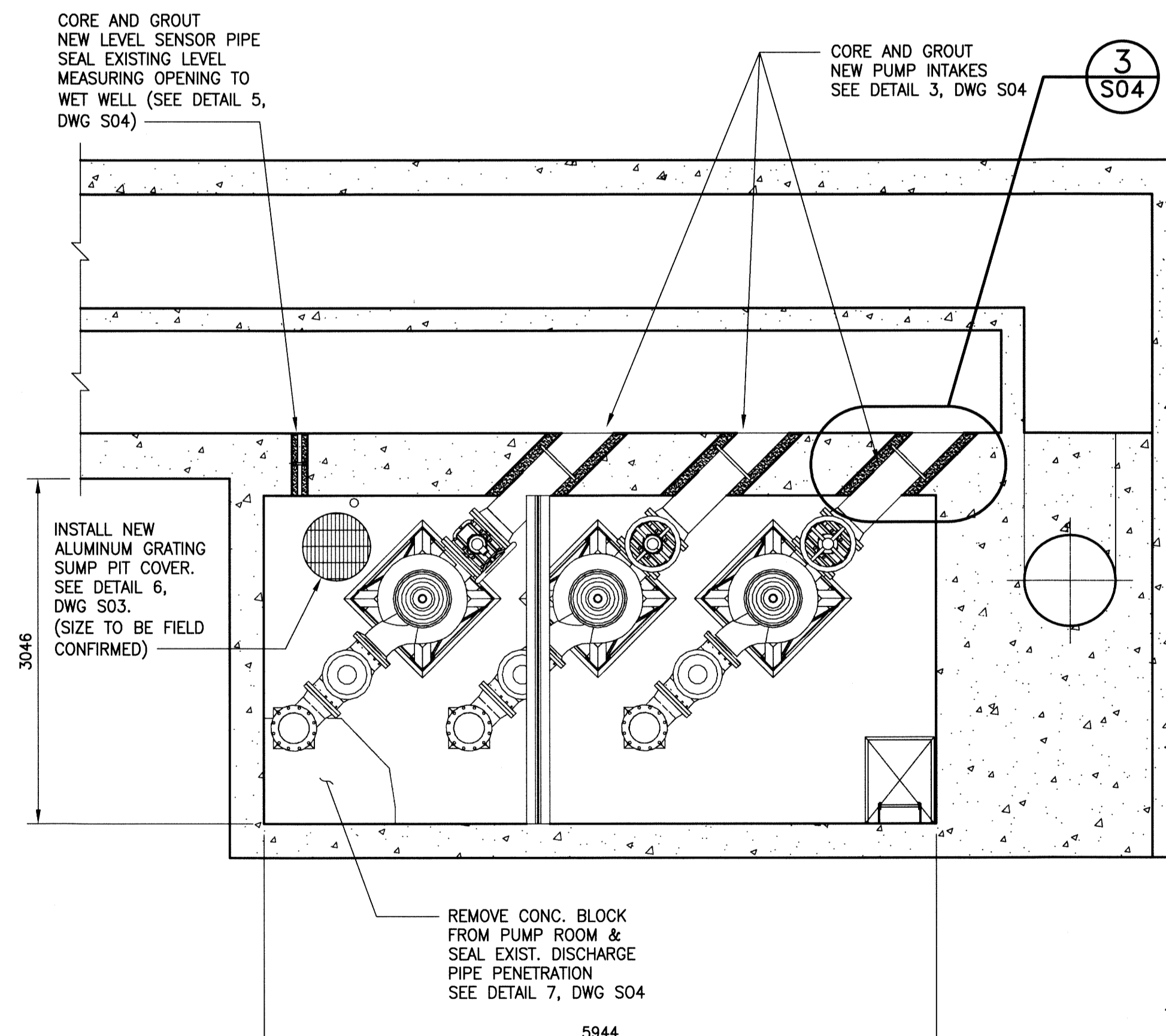
COMMUNICATOR CHAMBER

- DEMOLISH CONCRETE AS REQUIRED AND REMOVE EXISTING EMBEDDED COMMUNICATOR RING. INSTALL NEW EMBEDDED THIMBLE.
- INSTALL PIPE SUPPORTS AS REQUIRED FOR NEW 750mm PIPING.
- INSTALL NEW INFILL CONCRETE.



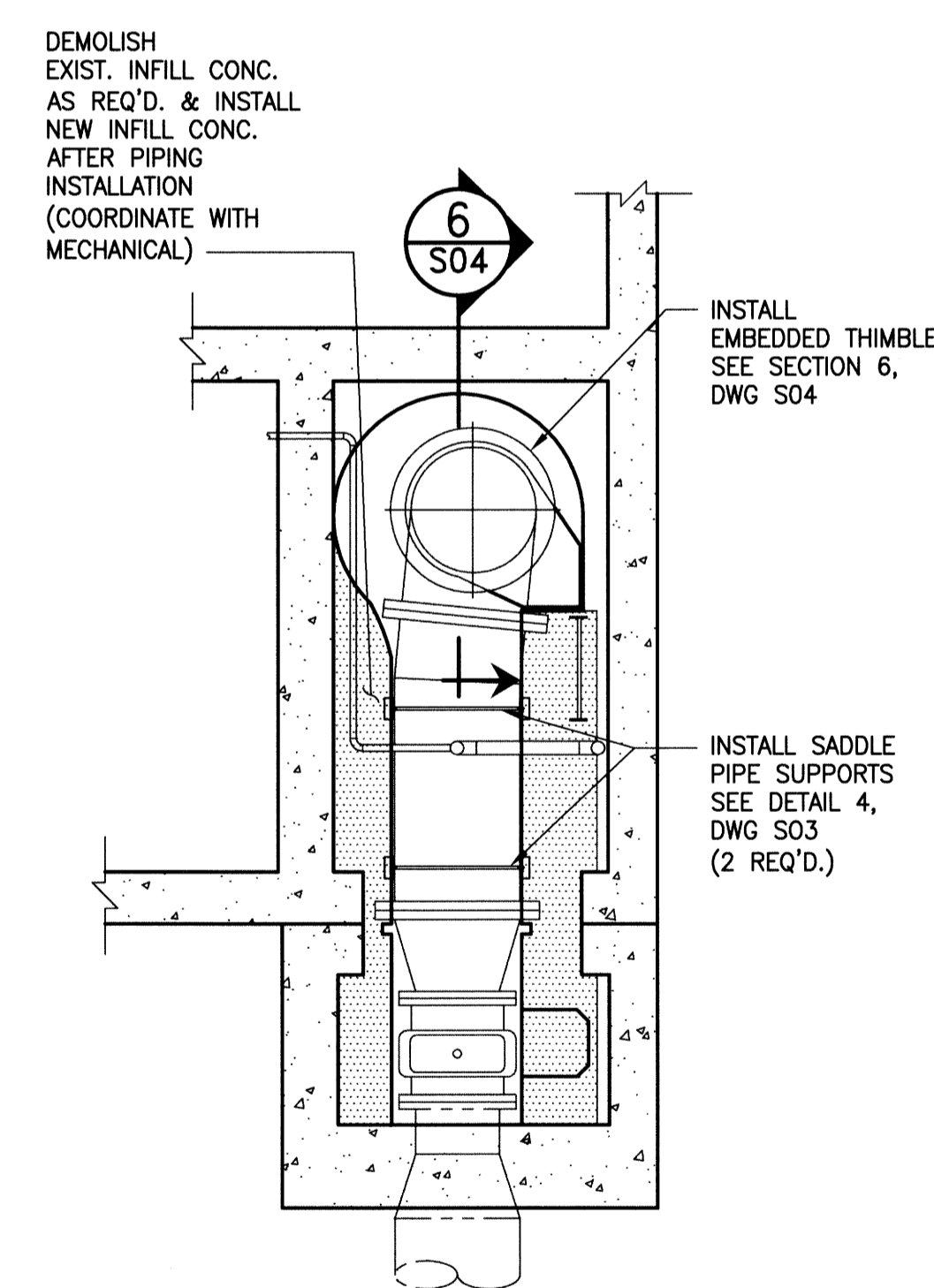
MOTOR ROOM - FLOOR PLAN

SCALE: 1:40



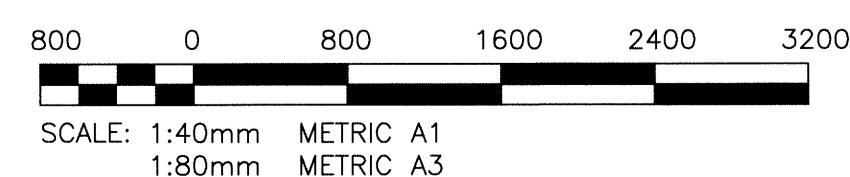
FLOOR PLAN - PUMP ROOM

SCALE: 1:40



FLOOR PLAN - COMMUNICATOR CHAMBER

SCALE: 1:40



FIELD BOOK #:	
POSTED TO LBS	
DESIGNED BY	KRD
CHECKED BY	CMS
DRAWN BY	SNH
APPROVED BY	
HDR. SCALE	AS NOTED
VERTICAL	AS NOTED
RELEASED FOR CONSTRUCTION	K. ZUREK
DATE	2013 07 18
DATE	2014 06 16

		ENGINEER'S SEAL
DESIGNED BY: KRD CHECKED BY: CMS DRAWN BY: SNH APPROVED BY: [Signature] HDR. SCALE: AS NOTED VERTICAL: AS NOTED RELEASED FOR CONSTRUCTION: K. ZUREK DATE: 2013 07 18 DATE: 2014 06 16		S01

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

AUBREY WASTEWATER PUMPING STATION UPGRADE
1016 PALMERSTON AVE.

STRUCTURAL
PLANS & WORK SCHEDULE

SHEET 1 OF 1
CITY DRAWING NUMBER
1-0116L-S0001-001