A1 SIZE – 594mm x 841mm

DEMOLITION NOTES:

1. THE INFORMATION CONTAINED ON DRAWINGS OF EXISTING FACILITIES IS BASED ON THE AVAILABLE RECORD DRAWINGS AND INFORMATION FROM PREVIOUS PLANT CONSTRUCTION. ACTUAL DETAILS OF CONSTRUCTION MAY NOT BE AS INDICATED ON THESE DRAWINGS. A NUMBER OF ALTERATIONS HAVE BEEN CARRIED OUT TO THE FACILITIES OVER THE YEARS, DETAILS OF WHICH, ARE NOT AVAILABLE. THEREFORE THESE DRAWINGS ARE ONLY A GUIDE AND TO BE USED AS BEST AVAILABLE SUPPLEMENTARY INFORMATION. CONTRACTOR TO MAKE A SITE VISIT TO FAMILIARIZE WITH THE SCOPE OF WORK PRIOR TO SUBMITTING THE BID.

2. ELEVATIONS SHOWN ON RECORD DRAWINGS ARE BASED UPON THE DATUMS AND GEODETIC INFORMATION IDENTIFIED ON THOSE INDIVIDUAL DRAWINGS. THE ELEVATIONS PROVIDED ON RECORD DRAWINGS ARE BASED UPON THE BEST RECORD INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ANY OR ALL ELEVATIONS SHOWN ON RECORD DRAWINGS ARE ACCURATE. CONFIRMATION OF THE EXACT ELEVATION OF ANY POINT IDENTIFIED ON RECORD DRAWINGS MUST BE CONFIRMED IN THE FIELD BY THE CONTRACTOR.

3. RECORD DRAWINGS OF THE EXISTING FACILITIES ARE AVAILABLE FOR REVIEW AT THE CITY'S ADMINISTRATION OFFICE. CONTRACTOR TO REFER TO THESE DRAWINGS FOR DETAILS AND EXTENT OF REMOVAL.

4. FOR SEQUENCE OF CONSTRUCTION REFER TO SPECIFICATION SECTION 01 52 10 CONSTRUCTION SEQUENCING.

5. REVIEW SCOPE OF NEW WORKS ON DRAWINGS AND SPECIFICATIONS. CARRY OUT A DETAILED SURVEY OF EXISTING PIPES, VALVES, EQUIPMENT AND INSTRUMENTATION AND IDENTIFY THOSE THAT ARE NO LONGER NEEDED. TAG ITEMS TO BE REMOVED AND REVIEW IN DETAIL WITH THE CONTRACT ADMINISTRATOR. DEMOLISH ITEMS UP TO SOURCE OR CAP AT LIMITS AS APPLICABLE. MAKE GOOD WALLS AND SLABS

6. DE ENERGIZE AND LOCKOUT ELECTRICAL, HYDRAULIC, PNEUMATIC, MECHANICAL AND AIR HANDLING ENERGY SOURCES.

7. DISCONNECT AND REMOVE ELECTRICAL EQUIPMENT AND WIRING BACK TO SOURCE FOR ALL EQUIPMENT TO BE DEMOLISHED.

8. DISCONNECT, CAP AND LOCK OUT PIPELINES CARRYING FLUIDS, GASES AND STEAM.

9. PURGE OR FLUSH VENTILATION DUCTS AND EQUIPMENT.

10. SECURE AREA AND POST SIGNS.

11. PROVIDE AND MAINTAIN TEMPORARY PARTITIONS TO KEEP DUST, DIRT AND FUMES OUT OF THE STRUCTURES TO REMAIN.

12. DEMOLITIONS MAY BE COMPLETE OR SELECTIVE AS INDICATED.

13. DEMOLITION INCLUDES BUT NOT LIMITED TO:
    - ARCHITECTURAL (CLADDING, MASONRY, WOOD AND PLASTICS, THERMAL AND MOISTURE PROTECTIONS, DOORS AND WINDOWS AND SPECIALTIES),
    - ELECTRICAL & INSTRUMENTATION (CABLES, SWITCHES, TRANSFORMERS, CONDUITS, MOTORS, LIGHTING, PANELS, INSTRUMENTS AND CONTROL PANELS (PLC, UPS, WORK STATION ETC)),
    - HVAC AND PLUMBING (AIR AND WATER HEATED UNITS, DUCTS AND FANS, DRAINS, PIPING, VALVES, AND APPURTENANCES),
    - MECHANICAL (PIPING, VALVES, PUMPS, CONVEYING SYSTEMS, EQUIPMENT AND APPURTENANCES),
    - STRUCTURAL (CONCRETE AND METALS).

14. CUT PIPING AT LIMITS OF DEMOLITION AND TERMINATE WITH A THREADED CAP. ALTERNATIVELY TERMINATE PIPING BEYOND THE LIMITS OF DEMOLITION AT A PIPE FLANGE AND PROVIDE BLIND FLANGE AS REQUIRED.

15. REMOVE ELECTRICAL WIRES, CABLES, CONDUITS AND ELECTRICAL DEVICES WITHIN THE LIMITS OF DEMOLITION. REMOVE REDUNDANT WIRING AND CONDUIT BACK TO ITS SOURCE/SUPPLY PANEL. REPAIR WALLS AND FLOORS DUE TO CONDUIT PENETRATION OR DUE TO THE REMOVAL OF ELECTRICAL DEVICES. WALL AND FLOOR REPAIRS TO MATCH EXISTING FINISH.

16. WHERE DEMOLITION OF EQUIPMENT OR PIPING HAS BEEN INDICATED, CONTRACTOR TO REMOVE ALL ANCILLIARY SUPPORTS, PADS AND ANCHORS. REFINISH EXISTING SURFACES TO MATCH ADJACENT.

17. WHERE EXISTING PIPING, DUCTING OR OTHER EQUIPMENT PENETRATIONS ARE TO BE DEMOLISHED AND REMOVED FROM EXISTING CONCRETE WALLS/SLABS, REPAIR THE CONCRETE OPENINGING AS PER DETAILS (0330-141) AND (0330-142) UNO ON STRUCTURAL DRAWINGS.

18. WHERE NEW PIPING PENETRATES EXISTING CONCRETE WALLS, PROVIDE PIPE PENETRATIONS AS PER DETAIL (0330-022) TYPE A UNO ON STRUCTURAL DRAWINGS.

19. WHERE NEW OPENINGS ARE REQUIRED IN EXISTING WALLS FOR INSTALLATION OF DUCTS, CABLE TRAYS AND OTHER EQUIPMENT, PROVIDE OPENINGS AS PER DETAIL (0330-808) UNO ON STRUCTURAL DRAWINGS.

20. REMOVE ELECTRICAL WIRES, CABLES AND CONDUITS WITHIN THE LIMITS OF DEMOLITION. REMOVE WIRING TO ITS SOURCE. REMOVE AND REPAIR CONDUIT WALL PENETRATION IN A MANNER SIMILAR TO PIPING ABOVE.

21. EDGES OF DEMOLITION AREAS OF CONCRETE SURFACES THAT WILL BE IN VIEW AFTER THE REPAIR WORK OR COMPLETION OF THE NEW CONSTRUCTION SHALL BE SAW CUT COMPLETELY THROUGH WHERE NECESSARY OR SAW CUT 25mm DEEP AND CHIPPED OUT. SAW CUT SHALL BE NORMAL TO SURFACE. DO NOT OVER CUT AT CORNERS. CUT BACK REBAR EXPOSED AT SURFACE AND REPAIR AS SPECIFIED.

22. IT IS ASSUMED THAT WATERSTOPS HAVE BEEN PROVIDED AT EXISTING EXPANSION AND CONSTRUCTION JOINTS. ALSO IT IS ASSUMED THAT WATERSTOP HAVE BEEN PROVIDED AT ALL JOINTS INTENDED FOR FUTURE CONNECTIONS THAT WILL BE SUBJECTED TO WATER PRESSURE AND FOR LOCATIONS BELOW GRADE. TAKE DUE CARE WHEN REMOVING CONCRETE AROUND WATERSTOP. PROVIDE PROTECTIVE CAPS SO THAT THE WATERSTOP IS NOT DAMAGED AND CAN BE REUSED EFFECTIVELY.

23. THERE ARE ENCASED REINFORCING BARS IN EXISTING STRUCTURES THAT WILL BE REUSED AS DOWELS. DO NOT DAMAGE THESE BARS DURING SAW CUTTING, CHIPPING AND REMOVAL OF ADJACENT CONCRETE.

24. DO NOT USE WRECKING BALLS OR SLEDGE HAMMERS FOR DEMOLITION OF CONCRETE UNLESS APPROVED IN WRITING BY THE ENGINEER. USE ONLY HAND OPERATED PNEUMATIC CHIPPERS.

25. EXISTING PILES NOT REUSED UNDER NEW STRUCTURE OR WITHIN 1500mm OF NEW STRUCTURE SHALL BE CUT 600mm BELOW THE UNDERSIDE OF STRUCTURAL FOUNDATION CONCRETE. CUT EXISTING PILES SHOWN TO BE ABANDONED AT EXCAVATION LEVEL OR MINIMUM 1200mm BELOW FINAL GRADE. WHERE ABANDONED PILES ARE IN THE PATH OF NEW UTILITIES, CUT PILES MIN. 600mm BELOW THE UNDERSIDE OF THE NEW UTILITY.

26. DESIGN, INSTALL AND SUPERVISE TEMPORARY STRUCTURAL SUPPORTS PER HEALTH AND SAFETY REGULATIONS, WHERE REQUIRED.

27. REFER TO SPECIFICATION SECTION 01 31 13 PROJECT COORDINATION, SECTION 02 41 13 SELECTIVE SITE DEMOLITION.

28. REFER TO ALL DISCIPLINE LEGENDS AND GENERAL NOTES.

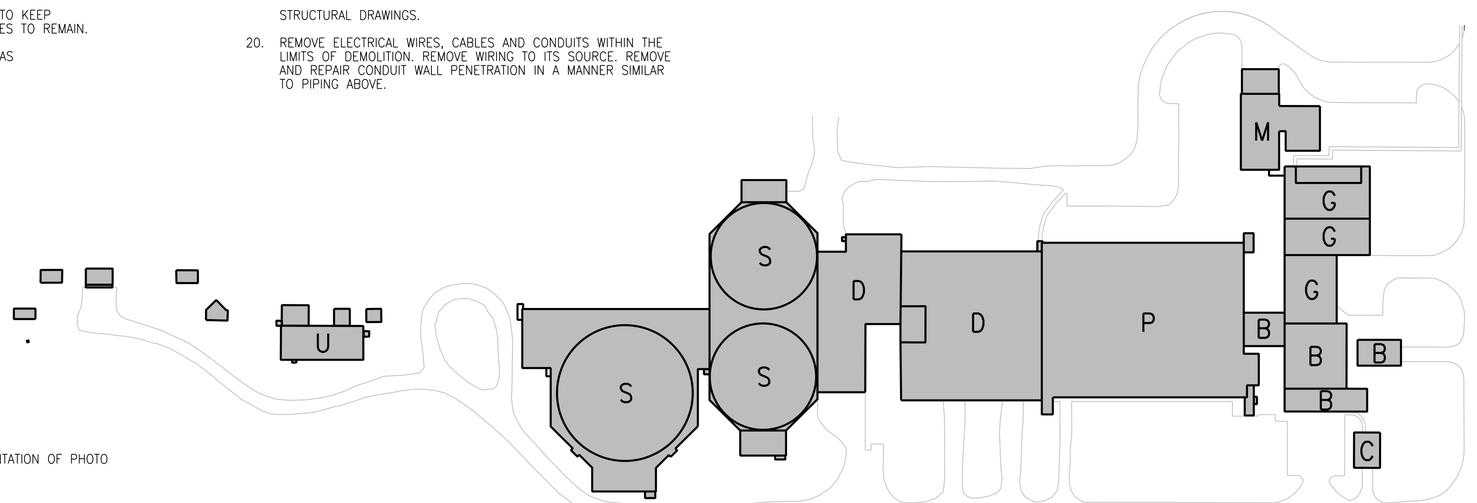
29. SEWPCC IS A WORKING FACILITY. PRIOR TO ANY WORK BEING STARTED, CONTRACTOR SHALL CONTACT THE CONSTRUCTION DEMOLITION ADMINISTRATOR FOR APPROVAL.

LEGEND:

- XXXXXXXX TO BE DEMOLISHED

OR TO BE DEMOLISHED

X LOCATION AND ORIENTATION OF PHOTO



N

A – GENERAL
B – SERVICE BUILDING
C – CHEMICAL BUILDING
D – OXYGEN REACTORS
G – HEADWORKS
M – ADMINISTRATION BUILDING
P – PRIMARY CLARIFIERS
S – SECONDARY CLARIFIERS
U – UV DISINFECTION FACILITY

EXISTING SITE PLAN

NTS

APEGM
Certificate of Authorization
CH2M HILL Canada Ltd.
No. 1441

NO.	REVISIONS	DATE	DESIGN	CHECK
02	ISSUED FOR CONSTRUCTION – 976-2016	2017/04/05	G.G.	J.C.
01	ISSUED FOR CONSTRUCTION	10/2015	G.G.	J.C.
00	ISSUED FOR TENDER	08/2015	G.G.	J.C.

CH2MHILL. SNC·LAVALIN KGS GROUP

DESIGNED BY: G. GERMAN
CHECKED BY: S.B. WILLIAMSON
DRAWN BY: G.GERMAN
APPROVED BY: H.T. FREIHAMMER
SCALE: NTS
ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2017/04/05
DATE: 2017/04/05
CONSULTANT NO.: 474248

ENGINEER'S SEAL
PROVINCE OF MANITOBA
WILLIAMSON
Member
2226A
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
GENERAL
DEMOLITION
GENERAL NOTES AND LEGEND

CITY DRAWING NUMBER: 1-0102-DAAA-AD01
SHEET:
REV.: 02
SIZE: A1

PLOT DATE: 2017\04\06
FILE NAME: 1-0102-DAAA-AD01.dgn

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