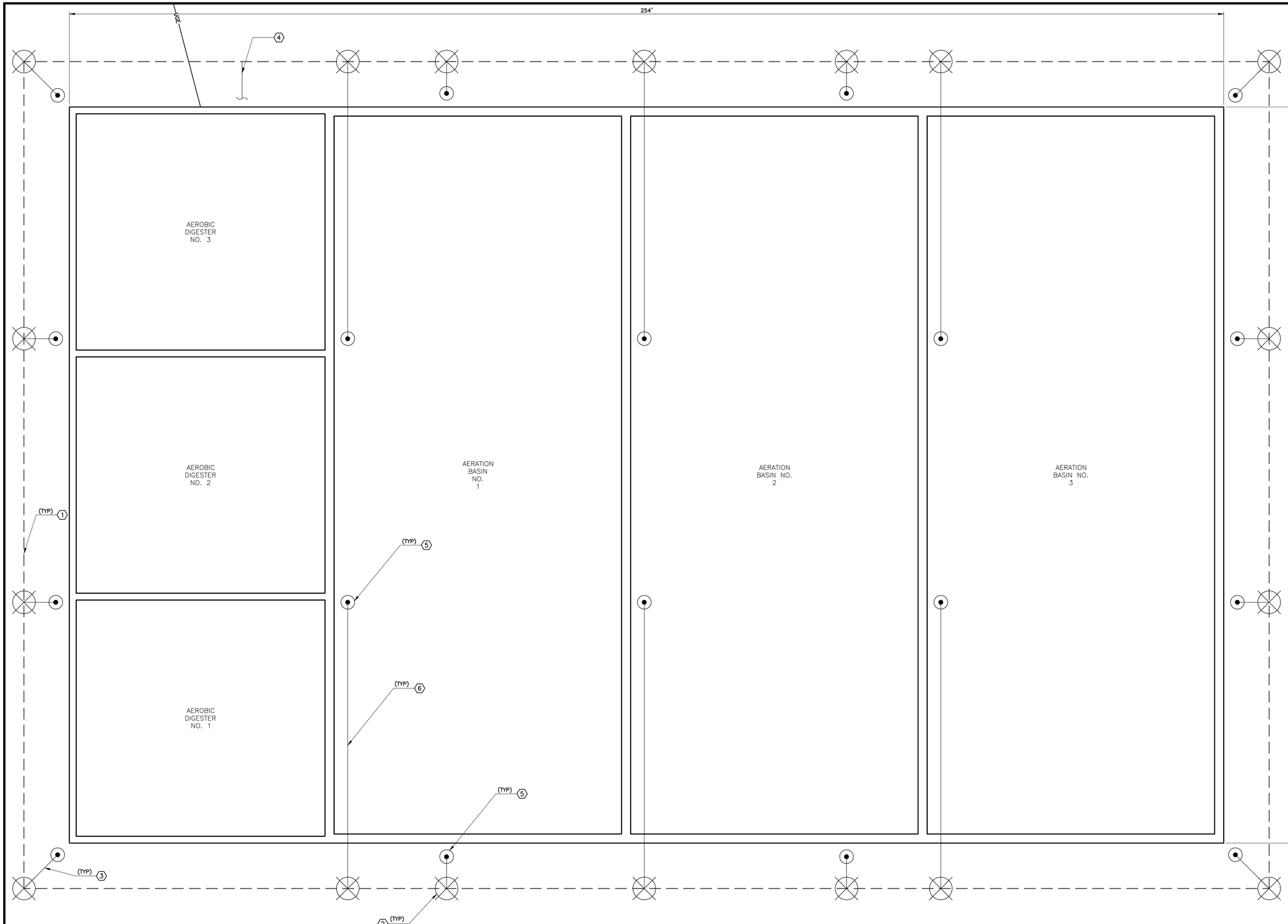

GENERAL NOTES

A. LIGHTNING PROTECTION SYSTEM SHOWN FOR GENERAL INFORMATION ONLY. STRUCTURE TO BE PROVIDED WITH LIGHTNING PROTECTION SYSTEM DESIGNED AND INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 13100. REFER TO RELATED LIGHTING PLAN.

3 B. THIS DRAWING WAS PREVIOUSLY SUBMITTED FOR PERMIT AS PART OF THE 01/07/2011 FOUNDATION PERMIT. IT IS BEING INCLUDED WITH THE 12/12/2012 AERATION BASIN PERMIT SUBMITTAL FOR REFERENCE PURPOSES ONLY.

KEYED NOTES

3 1 GROUND RING: COPPER, #4/0 STRANDED. 18"–24" BELOW FINISHED GRADE, UNLESS OTHERWISE REQUIRED BY CODES.

2 LOCATIONS FOR 3/4" X 8'–0" GROUND ROD, COPPER OR COPPER CLAD, AT EACH LIGHTNING PROTECTION DOWN CONDUCTOR LOCATION. FINAL DOWN CONDUCTOR LOCATIONS TO BE DETERMINED IN ACCEPTED SHOP SUBMITTAL FOR LIGHTNING PROTECTION SYSTEM.

3 LOCATIONS FOR DOWN CONDUCTORS. EXPOSED DOWN CONDUCTORS SHALL HAVE RIGID (GRC OR ACCEPTABLE EQUIVALENT) PROTECTIVE COVERS UP TO 6'–0" ABOVE GRADE.

4 LOCATION FOR "UFER" BOND FOR STRUCTURE GROUNDING. BOND #4 COPPER CONDUCTOR TO GROUND RING AND RUN INTO SIDE OF SLAB. TIE TO STEEL REBAR AND PROVIDE MIN. 20'–0" LENGTH CONDUCTOR WITHIN SLAB CONCRETE.

5 APPROXIMATE LOCATION LIGHTNING PROTECTION AIR TERMINALS ABOVE WALKWAYS. SEE SHEET E–XX FOR AIR TERMINAL LOCATIONS.

6 ROUTE LIGHTNING PROTECTION CONDUCTORS FROM POLE MOUNTED AIR TERMINALS UNDER WALKWAYS TO DOWN CONDUCTOR LOCATIONS.

1 E–19 ELECTRICAL GROUNDING PLAN
SCALE: SCALE: 1" = 10'

1. 12–22–10: REVISED UFER GROUND BONDING & CONDUCTORS; ISSUED FOR BASIN FOUNDATION PERMIT.

REVISIONS		
NO. 1	DATE	DESCRIPTION
2	01/07/2011	ISSUED FOR CONSTRUCTION PER PPRBD PERMIT #58954 (FDN ONLY)
3	12/12/2012	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (AERATION BASINS)
4	01/29/2013	ISSUED FOR CONSTRUCTION PER PPRBD PERMIT #mb4746 (AERATION BASINS)

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ELECTRICAL GROUNDING PLAN
AERATION BASINS AND AEROBIC DIGESTER BASINS
HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN XXX
DESIGNED XXX
CHECKED XXX
DATE 2010
PROJECT NO. 20166.330
GMS FILE NO. 2599

GMS, INC.
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611 N. WEBER, SUITE 300
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SHEET EAB–1 OF —

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