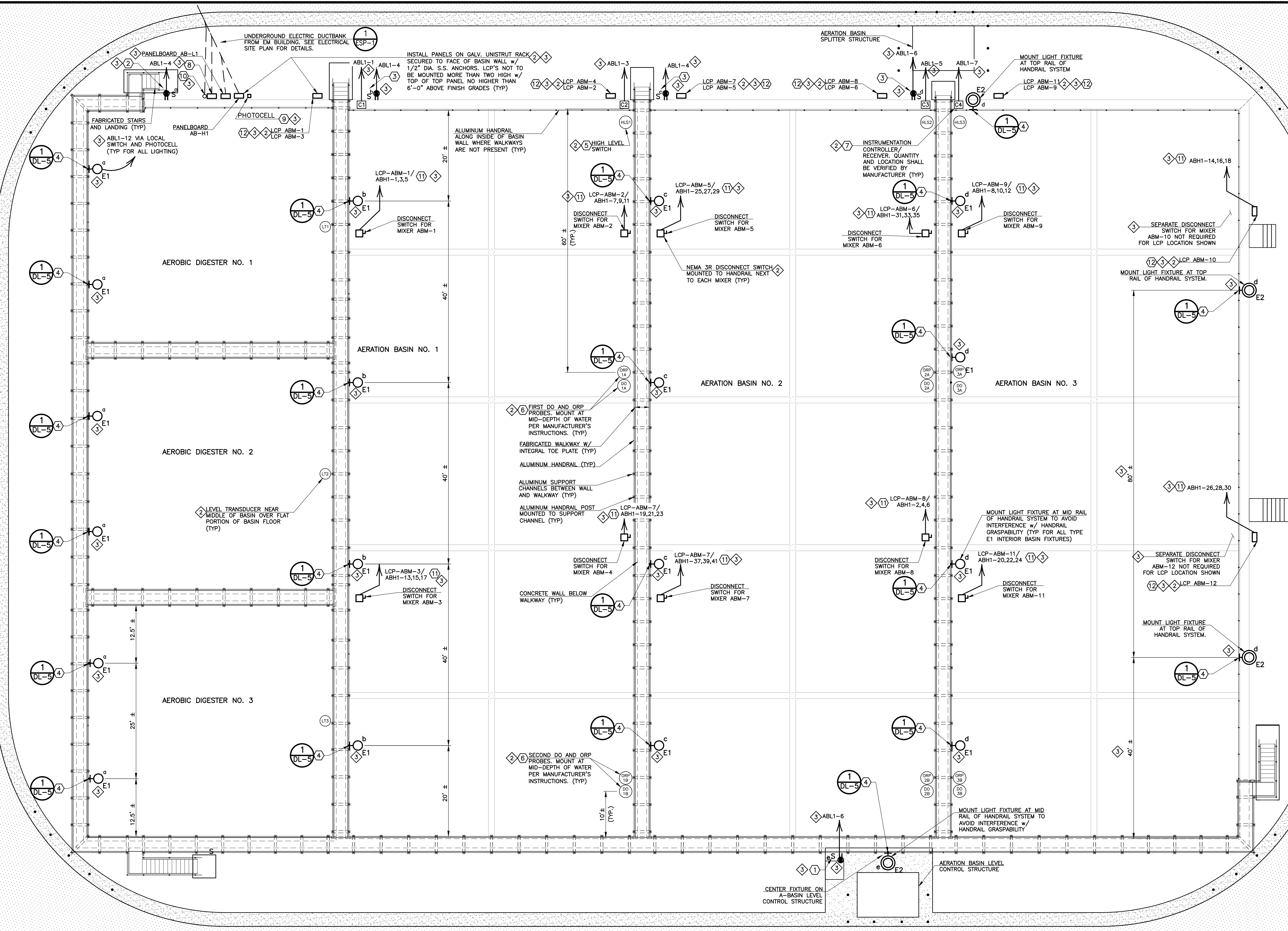


GENERAL NOTES

- A. EXTERIOR LUMINAIRES ARE CONTROLLED BY A COMBINATION OF MANUAL SWITCHING AND PHOTOCELL. PHOTOCELL SHALL ALLOW ILLUMINATION ONLY DURING NIGHTTIME HOURS.
- B. THE LIGHT FIXTURE LOCATIONS SHOWN ON THIS PLAN WERE SET TO AVOID INTERFERENCE WITH ANY BASIN APURTANCES, PARTICULARLY INSTRUMENTATION DEVICES AND THE A-BASIN MIXERS AND THEIR HOIST REMOVAL SYSTEMS. THE CONTRACTOR MAY PERFORM MINOR FIELD ADJUSTMENTS TO THESE FIXTURE LOCATIONS TO ENSURE THERE ARE NO CONFLICTS OR INTERFERENCES.
- C. UNO, ALL EXPOSED RACEWAY AND FITTINGS RUN WITHIN 3 FEET OF THE WATER LEVEL SHALL BE PVC COATED RIGID GALVANIZED STEEL. DISCONNECT SWITCHES ALONG THE BASINS SHALL BE NEMA 3R.
- D. RECEPTACLES SHALL BE GFCI TYPE AND HAVE WEATHERPROOF WHILE IN USE COVERS. ALL SWITCHES SHALL BE WEATHERPROOF TYPE.
- E. EVERY SECTION OF WALKING SURFACES, HAND RAILING, AND ALL ELECTRICAL EQUIPMENT ALONG WALKWAYS SHALL BE BONDED TO THE BASIN BRANCH CIRCUIT EQUIPMENT GROUND CONDUCTORS IN ACCORDANCE WITH NEC ARTICLE 682. ALL WALKWAY SURFACES SHALL BE CONSIDERED "EQUIPOTENTIAL PLANE" IN ACCORDANCE WITH NEC ARTICLE 682.
- F. ALL ELECTRICAL EQUIPMENT ALONG BASIN WALKWAYS SHALL BE MOUNTED A MINIMUM OF 36" ABOVE BASIN WATER LEVEL, UNO.

KEYED NOTES

- 1 LOCATE SWITCH AND RECEPTACLE ON BASIN WALL NEAR CONTROL STRUCTURE STAIR LANDING.
- 2 MOUNT SWITCH AND RECEPTACLE ON BASIN WALL NEAR THE END OF CONCRETE STOOP.
- 3 MOUNT SWITCH NEAR STEP ON UNISTRUT OR UNISTRUT LEGS ANCHORED TO BASIN WALL.
- 4 INSTALL ADDITIONAL HANDRAIL POST FOR MOUNTING LIGHT FIXTURE. MOUNT LIGHT FIXTURE TO POST ACCORDING TO MOUNTING DETAIL INDICATED.
- 5 A-BASIN HIGH WATER LEVEL ALARM SWITCH. MOUNT FOR SWITCH AND ALARM ACTIVATION AT 1'-6" BELOW TOP OF WALL.
- 6 ORP AND DO SENSOR/PROBE LOCATION. PROVIDE JUNCTION BOXES AT PROBES AS REQUIRED BY MONITORING SYSTEM PROVIDED. INSTALL CONDUCTORS FROM JUNCTION BOX TO CONTROLLER/RECEIVER IN CONDUIT.
- 7 MOUNT INSTRUMENTATION CONTROLLER/RECEIVER ON HANDRAIL PER MANUFACTURER'S INSTRUCTIONS. QUANTITY AND LOCATION OF CONTROLLERS MAY VARY DEPENDING UPON MANUFACTURER'S RECOMMENDATIONS, COORDINATE AS REQUIRED.
- 8 PROVIDE BOX AS REQUIRED TO TERMINATE SCADA SYSTEM CONDUITS FROM EM BUILDING.
- 9 PROVIDE PHOTOCELL ON EXTERIOR LIGHTING CIRCUIT AHEAD OF SWITCHES. LOCATE AND ADJUST PHOTOCELL TO AVOID NUISANCE SWITCHING.
- 10 STUB-UP AND CAP-OFF SPARE 2" CONDUIT.
- 11 ALSO PROVIDE CONNECTION FROM PUMP MOISTURE SENSOR AND OVERTEMP SWITCH TO CORRESPONDING LCP PER PUMP MANUFACTURER'S INSTRUCTIONS.
- 12 PROVIDE CONNECTION TO SCADA SYSTEM FOR EQUIPMENT MONITORING AND CONTROL.



1 AERATION BASINS AND AEROBIC DIGESTER BASINS LIGHTING AND POWER PLAN
EAB-2 SCALE: 1" = 10'

REVISIONS		
NO.	DATE	DESCRIPTION
1	10/04/2012	ISSUED FOR VALUE ENGINEERING AND COMMENT
2	12/12/2012	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PRRBD (AERATION BASINS)
3	01/29/2013	ISSUED FOR CONSTRUCTION PER PRRBD PERMIT #H64746 (AERATION BASINS)

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

DRAWN: MAM/MR DESIGNED: MAM/MR CHECKED: RJS/MR DATE: 2011 PROJECT NO.: 20166_330 GMS FILE NO.: 2599	GMS, INC. CONSULTING ENGINEERS 611 N. WEBER, SUITE 300 COLORADO SPRINGS, COLORADO 80903	SHEET EAB-2 OF -
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