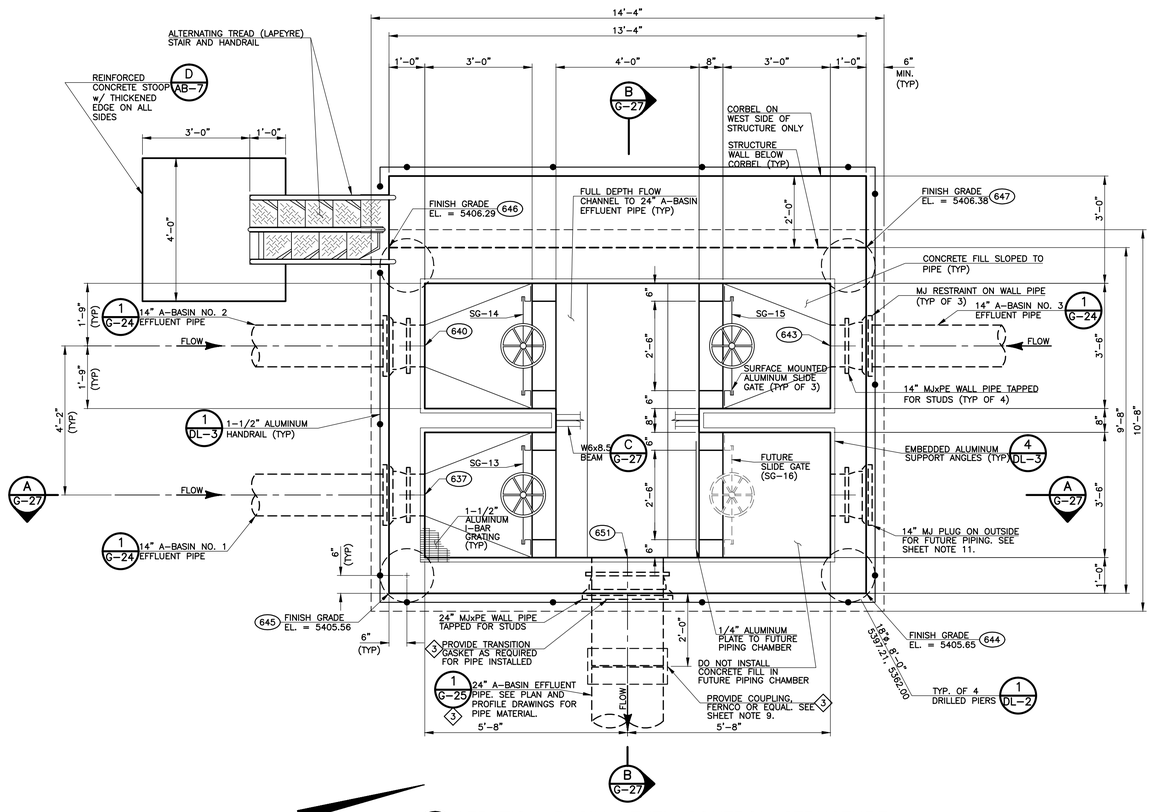
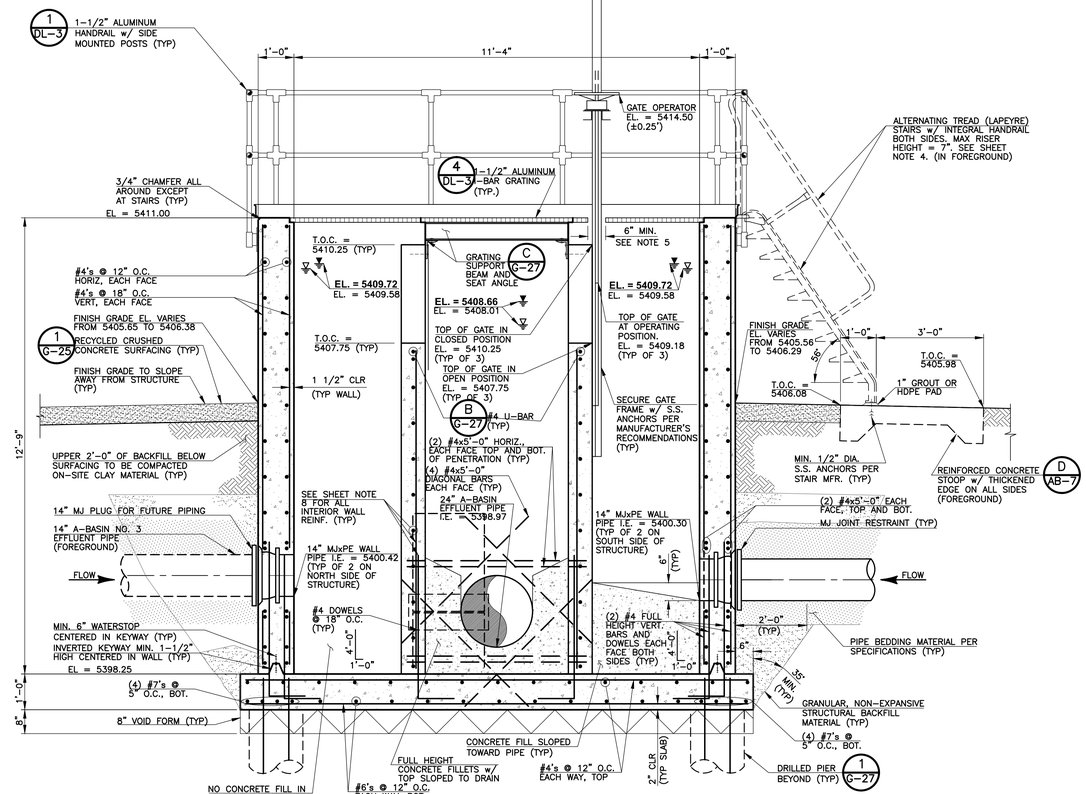
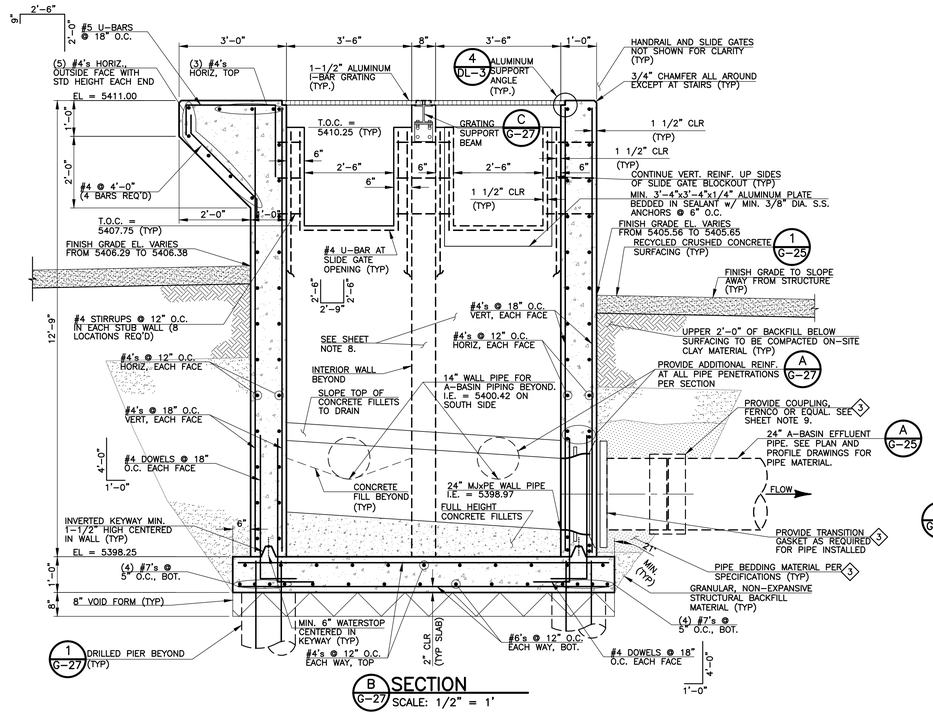


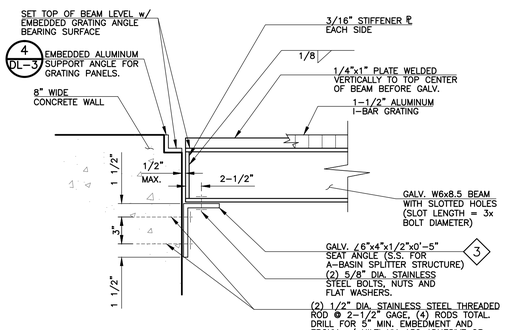
1 G-27 AERATION BASIN LEVEL CONTROL STRUCTURE
SCALE: 1/2" = 1'



A G-27 SECTION
SCALE: 1/2" = 1'



B G-27 SECTION
SCALE: 1/2" = 1'



C G-27 GRATING SUPPORT BEAM AND SEAT ANGLE SECTION
SCALE: 1-1/2" = 1'-0"

SHEET NOTES:

1. EL. = 5406.94 / EL. = 5406.55 — TOP DARKENED SYMBOL INDICATES THE WATER SURFACE ELEVATION AT DESIGN PEAK HOUR FLOW CONDITION. BOTTOM HOLLOW SYMBOL INDICATES WATER SURFACE ELEVATION AT DESIGN AVERAGE DAY FLOW CONDITION.
2. PROVIDE CORNER BARS AT ALL WALL INTERSECTIONS IN ACCORDANCE WITH THE STANDARD STRUCTURAL DETAILS ON SHEET DL-1.
3. REFER TO SHEET G-25 FOR PIPING CONTINUATIONS.
4. ALTERNATING TREAD STAIRS SHALL BE HOT DIP GALVANIZED CARBON STEEL CONSTRUCTION.
5. VERIFY SIZE AND POSITION OF GRATING PANEL OPENING WITH SLIDE GATE MANUFACTURER AND APPROVED SHOP SUBMITTAL INFORMATION.
6. VERIFY DIMENSIONS AND ANCHOR REQUIREMENTS OF ALTERNATING TREAD STAIRS WITH MANUFACTURER AND APPROVED SHOP SUBMITTAL INFORMATION.
7. WHERE ADDITIONAL WALL REINF. AT OPENINGS EXTENDS BEYOND THE END OF WALL, TERMINATE WITH A 90° STANDARD HOOK.
8. TYPICAL INTERIOR WALL REINFORCING:
   #4's @ 12" O.C. HORIZ., CENTERED
   #4's @ 12" O.C. VERT.
   #4 DOWELS @ 12" O.C. CENTERED IN WALL — 4'-0" FROM BASE SLAB TO WALL, 1'-0"
   #4 CORNER BARS AT EACH HORIZ. BAR AT EACH INTERSECTING WALL — 2'-9" x 2'-9"
9. PLACE FULL BED OF "SIKAFLEX 1A" SEALANT AROUND OUTSIDE DIAMETER OF PIPE PRIOR TO FINAL POSITIONING OF BOOT OR COUPLING SO SEALANT ACTS AS A LUBRICANT AND COMPLETELY SEALS BOOT OR COUPLING TO PIPE IN FINAL POSITION.
10. COAT INSIDE OF ALL STRUCTURE WALLS WITH COAL TAR EPOXY (09900-2.3.C) BETWEEN ELEV. 5407 AND 5410.50.
11. THOROUGHLY CLEAN STUDS AT FUTURE A-BASIN EFFLUENT AND COAT WITH HEAVY GREASE. COAT NUTS AND STUDS AFTER INSTALLATION OF 14" PLUG AND INSTALL (2) LAYERS OF POLYETHYLENE SHEETING SEALED TO WALL OF STUCTURE WITH SIKAFLEX 1A OR EQUIVALENT.

XREF FILENAME: G:\
BASE DWG: G:\
PLOT STYLE FILE: 10SCC.CTB
FILENAME: G:\LFMSD0\20166\325\G27\G27.DWG

REVISIONS		
NO. 1	DATE	DESCRIPTION
1	10/31/2011	ESI NO. 016 FOR DRILLED PIER CONSTRUCTION ONLY
2	12/30/2011	ISSUED FOR CMO PREPARATION
3	03/02/2012	ISSUED FOR CONSTRUCTION

AERATION BASIN LEVEL CONTROL STRUCTURE

HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

DRAWN MWR
DESIGNED MAM/
CHECKED RJS
DATE 2010
PROJECT NO. 20166.325
GMS FILE NO. 2599

GMS, INC.
CONSULTING ENGINEERS
611 N. WEBER, SUITE 300
COLORADO SPRINGS, COLORADO 80903

SHEET G-27 OF —

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