

Earth Dynamics Poolscapes Inc.

DESIGN REVIEW QUESTIONS

DESIGN CONSIDERATIONS:

1. AREA USAGE _____
2. FUNCTIONALITY _____
3. ELEVATIONS _____
4. GRADE TRANSITIONS _____
5. SHAPES & SIZE _____
6. DIMENSIONAL PROPORTIONS _____
7. EXPOSURES _____
8. VIEWS _____
9. SCREENING _____
10. COLOR _____
11. SOUND _____
12. LIGHT _____
13. TEXTURES _____
14. SURFACES _____

ELEMENTS OF DESIGN:

1. TOPOGRAPHY _____
2. GRADING _____
3. LANDSCAPE _____
4. HARDSCAPE _____
5. PAVEMENT _____
6. IRRIGATION _____
7. LIGHTING _____
8. SURFACE DRAINAGE _____
9. HYDROSTATIC DRAINAGE _____
10. SWIMMING POOL _____
11. SPA _____
12. WATER FEATURES _____

OPERATIONAL FUNCTIONALITY:

1. CONTROL SYSTEM _____
2. CONTROL SYSTEM CAPACITY _____
3. CONTROL PANEL'S TYPE & LOCATIONS POINTS _____
4. POOL LIGHTING, POOL PLUMBING _____
5. SPA LIGHTING, SPA PLUMBING _____
6. WATER FEATURE LIGHTING, WATER FEATURE'S PLUMBING _____
7. SPECIAL FEATURE LIGHTING, SPECIAL FEATURE'S PLUMBING _____
8. POOL HIGH & LOW VOLTAGE ELECTRICAL CONDUIT NETWORK _____
9. SPA HIGH & LOW VOLTAGE ELECTRICAL CONDUIT NETWORK _____
10. WATER FEATURE'S HIGH & LOW VOLTAGE ELECTRICAL CONDUIT NETWORK _____
11. SPECIAL FEATURE'S HIGH & LOW VOLTAGE ELECTRICAL CONDUIT NETWORK _____
12. NATURAL / LPG SUPPLY DISTRIBUTION SYSTEM & OUTDOOR HEATING SYSTEM _____
13. INSECT ABATEMENT SYSTEMS _____
14. FIBER OPTIC ROUTING & ILLUMINATOR LOCATIONS _____
15. AUDIO SOUND SYSTEMS _____
16. VIDEO & MONITOR SYSTEMS _____
17. REMOTE CONTROL CAPABILITY _____
18. WATER SURFACE SONAR MOTION MONITOR SYSTEM _____

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DESIGN REVIEW QUESTIONS

DESIGN CONSIDERATIONS:

1. AREA USAGE Pool Spa Waterfall Sports Court Shade Cover Gazebo Other _____
2. FUNCTIONALITY Family Adult Intimate Sports Parties Hosting Functions Other _____
3. ELEVATIONS FF Elev. ____ FC Elev. ____ FS Elev. ____ Highest Mounding + ____" Lowest Mounding + ____"
4. GRADE TRANSITIONS Overland Flow Lines Yes No Highest + ____" Lowest + ____" % of slope _____
5. SHAPES & SIZE Freeform Angular Geometric Grecian Roman New Age Other _____
6. DIMENSIONAL PROPORTIONS 1st _____ 2nd _____ 3rd _____ 4th _____ 5th _____
7. EXPOSURES Southern ____% Northern ____% Eastern ____% Western ____% Other _____
8. VIEWS Southern ____% Northern ____% Eastern ____% Western ____% Other _____
9. SCREENING Yes No Southern Northern Eastern Western Other _____
10. COLOR Red Yellow Blue Purple Orange Magenta White Green Other _____
11. SOUND DESIRES Outdoor Sound System Underwater Sound System Water Sounds Other _____
12. SOUND & ISSUES Traffic Noise Neighbor Noise Railroad Noise Other _____
13. LIGHT ISSUES Light Pollution Yes No Other _____
14. LIGHT DESIRES High Intensity Low Intensity Security None Other _____
15. TEXTURES Natural Synthetic Stone Concrete / Stucco Perfect Imperfect Soft Hard Other _____
16. SURFACES Natural Stone Artificial Stone Standard Concrete Special Concrete Other _____

ELEMENTS OF DESIGN:

1. TOPOGRAPHY Yes No _____
2. GRADING Yes No _____
3. LANDSCAPE Yes No _____
4. HARDSCAPE Yes No _____
5. PAVEMENT Yes No _____
6. IRRIGATION Yes No _____
7. LIGHTING Yes No _____
8. SURFACE DRAINAGE Yes No _____
9. HYDROSTATIC DRAINAGE Yes No _____
10. SWIMMING POOL Yes No _____
11. SPA Yes No _____
12. WATER FEATURES Yes No _____

OPERATIONAL FUNCTIONALITY:

1. CONTROL SYSTEM Basic Simple Sophisticated Advanced State of the Art Other _____
2. CONTROL SYSTEM CAPACITY On/off Switch EM Timers Solid State Programmable Other _____
3. CONTROL PANEL'S TYPE Touch Screen Technology Interior Panel Wireless Spa Side Switch Other _____
4. LOCATIONS POINTS _____
5. POOL LIGHTING, POOL PLUMBING _____
6. SPA LIGHTING, SPA PLUMBING _____
7. WATER FEATURE LIGHTING, WATER FEATURE'S PLUMBING _____
8. SPECIAL FEATURE LIGHTING, SPECIAL FEATURE'S PLUMBING _____
9. POOL HIGH & LOW VOLTAGE ELECTRICAL CONDUIT NETWORK _____
10. SPA HIGH & LOW VOLTAGE ELECTRICAL CONDUIT NETWORK _____
11. WATER FEATURE'S HIGH & LOW VOLTAGE ELECTRICAL CONDUIT NETWORK _____
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13. NATURAL / LPG SUPPLY DISTRIBUTION SYSTEM & OUTDOOR HEATING SYSTEM _____
14. INSECT ABATEMENT SYSTEMS _____
15. FIBER OPTIC ROUTING & ILLUMINATOR LOCATIONS _____
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17. VIDEO & MONITOR SYSTEMS _____
18. REMOTE CONTROL CAPABILITY _____
19. WATER SURFACE SONAR MOTION MONITOR SYSTEM _____

DESIGN REVIEW QUESTIONS

ANATOMY OF A POOL PLAN (1-41 Item Check List):

1. NORTH ARROW
2. SCALE OF PLAN (1" = 4'-0" 1/4 SCALE) (1" = 8'-0" 1/8 SCALE) (1" = 10'-0" 1/16 SCALE)
3. PROPERTY LINE POOL CONSTRUCTION SET-BACKS APN# _____ COUNTY _____
4. PUBLIC UTILITY EASEMENTS P.U.E. SET-BACKS, PARCEL MAP CHECK REFERENCE # _____
5. HOMEOWNERS ASSOCIATION APPROVAL (HOA) REQUIREMENTS _____ YES _____ NO CONTACT# _____
6. ARCHITECTURAL REVIEW COMMITTEE APPROVAL (ARC) REQUIREMENTS _____ YES _____ NO CONTACT# _____
7. REFERENCING PROPOSED CONSTRUCTION DIMENSION _____
8. NOTATIONS REFERENCING EXISTING ELEMENTS DIMENSIONS _____
9. NOTATIONS REFERENCING CONTOURS OF EXISTING DRAINAGE & SURFACE FLOW DIRECTION _____
10. NOTATIONS REGARDING ADJACENT PROPERTY'S DRAINAGE INFLUENCES _____ YES _____ NO N, S, E, W _____ SF
11. FOOT PRINT OF HOME ON LOT, DOORS, WINDOWS, DECKS, VIEWS ETC. _____
12. PROPERTY LINE LAYOUT & DIMENSIONS _____ X _____ X _____ X _____
13. VICINITY MAP THOMAS BROTHERS _____ PAGE _____ GRID _____ BOOK DATE _____
14. MAIN WATER POINT OF CONNECTION (WPOC) SHOW MAIN SUPPLY PIPE & SIZE _____ " @ HOUSE
15. SUB-OUT PROVIDED _____ YES _____ NO _____ PRESSURE REGULATOR _____ YES _____ NO _____ SIZE
16. TYPE OF WATER SOURCE _____ DOMESTIC WELL _____ IRRIGATION WELL _____ CITY SUPPLY _____ OTHER
17. WATER QUALITY _____ TDS _____ PH _____ HARDNESS _____ ESTABLISHED AS OK
18. BACKFLOW PREVENTION UNIT (BPU) LOCATED AT THE (WPOC) _____ EXISTING _____ NEW
19. EXISTING BACKFLOW PREVENTION UNIT (BPU) TYPE _____ PVB _____ RPDC _____ A/S VALVES _____ Y / N _____ SIZE
20. MAIN WATER SUPPLY (MWS) TO POOL AUTOFILLS & PIPE SIZING
21. GAS POINT OF CONNECTION (GPOC) (INDICATE NATURAL OR LPG SHOW TANK SIZE & LOCATION)
22. POOL EQUIPMENT PAD LOCATION (PEPL) (SIZE L X W)
23. HEATER SIZE (400K BTU) & GAS PIPE SIZE & DISTANCE OF GAS RUN _____ LF
24. TYPE OF HEATING FUEL _____ LPG _____ NATURAL GAS _____ TYPE 2-DIESEL _____ OTHER
25. BBQ, COOK CENTER, FIRE PIT & SPACE HEATERS (SHOW GAS PIPE SIZE, DISTANCE & _____ BTU RATINGS _____ SIZE _____ RUN LF
26. ELECTRICAL MAIN PANEL CONNECTION (EMP) (INDICATE AMPERE CAPACITY 100, 200 AMP, 400 AMP, ETC.)
27. ELECTRICAL SUB-PANEL LOCATION, CONNECTION (ESP) (INDICATE AMPERE CAPACITY 60 AMP, 100 AMP, ETC.)
28. ELECTRICAL HOME RUN (EHR) (CONDUIT RUN BETWEEN SUB-PANEL & MAIN PANEL, SHOW CONDUIT SIZE & DISTANCE) _____ SIZE _____ RUN LF
29. TYPE OF ELECTRICAL POWER UTILITIES TRANSMISSION LINES, OVER HEAD _____ UNDERGROUND _____
30. ELECTRICAL DISTRIBUTION RUN (EDR) (CONDUIT RUN BETWEEN SUB-PANEL & GFCI CIRCUITS, SHOW CONDUIT SIZE & DISTANCE) GFCI #1 _____ SIZE _____ RUN LF GFCI #2 _____ SIZE _____ RUN LF GFCI #3 _____ SIZE _____ RUN LF
31. FIBER OPTIC CONDUIT RUN (FOCR) CONDUIT RUN BETWEEN ILLUMINATOR & LENS COMPONENT #1 _____ SIZE _____ RUN LF #2 _____ SIZE _____ RUN LF #3 _____ SIZE _____ RUN LF
32. LISTING OF INDIVIDUAL ELECTRICAL COMPONENTS: HEATER (PSH) _____, FILTER PUMP (FP) _____, SPA PUMP (SP) _____, WATER FEATURE PUMP (WFP) _____, BLOWER (CB) _____, POOL LIGHTS (CPL) _____, SPA LIGHT (CSL) _____, WATER FEATURE LIGHT (CWFL) _____, LOWER BASIN LIGHT (CLBL) _____, CARIBBEAN SHELF LIGHT (CCSL) _____, FIBER OPTIC ILLUMINATORS (CFO) _____, SPA SIDE SWITCH (CSSS) (LV) _____, INTERIOR CONTROL PANEL (CICP) (LV) _____, LIGHTING TRANSFORMERS (CLT) (LV) _____, DECK BOXES (CDB) _____, JUNCTION BOXES (CJB) _____
33. LISTING OF INDIVIDUAL PLUMBING COMPONENTS, SKIMMERS (S) _____, MAIN DRAINS (MD) _____, AUTOFILLS (A) _____, FLOOR RETURNS (FR) _____, SPA JETS (J) _____, POOL RETURNS (PR) _____
34. PLUMBING PIPE SIZES FOR ALL SUCTION & RETURN LINES: SKIMMERS _____", MAIN DRAINS _____", POOL RETURNS _____", SPA SUCTION _____", SPA RETURN _____", WATER FEATURE SUCTION _____", WATER FEATURE RETURN _____"
35. HIGH VOLTAGE ELECTRICAL CONDUCTOR WIRE SIZING (HVWS) (SHOW LINE VOLTAGE 120V, 240V & OPERATIONAL AMPERAGE _____)
36. LOW VOLTAGE ELECTRICAL CONDUCTOR WIRE SIZE _____ (LVWS) (SHOW LINE VOLTAGE 12V, 24V & OPERATIONAL WATTAGE _____ ZONE 1, _____ ZONE 2 _____ ZONE 3 _____ ZONE 4 _____ ZONE 5 _____ ZONE 6
37. UBC & CBC CODES FOR FENCING, GATES _____ SIZE _____' BON DING, DOOR ALARMS _____, ETC _____ OPERATIONAL FUNCTIONALITY & INTENTIONS OF RELAY DESIGNATIONS
38. _____
39. _____
40. _____
41. _____