MANTA RAY WALL UNIT DRAINAGE FILL **CLASSIC 8** GEOGRID (LTDS > 1200 PLF) ROCKWOOD 3" GALVANIZED PIPE, SCH 40 CLASSIC 8" GALVANIZED PIPE LOOP CONNECTOR 3/4" GLAV. CTB ROD MANTA RAY MANTA RAY ANCHOR ANCHORS ∠_{STIFF FIRM} -SOIL GALVANIZED -6' C/C -GEOGRID 3" GALVANIZED PIPE LOOP UNIT DRAINAGE FILL TYPICAL DETAIL CONNECTOR TYPICAL PLAN VIEW OPTIONAL TRIM CAP WITH PROVIDE FOR DRAINAGE CONTINUOS ADHESIVE (AS AWAY FROM WALL. PER MANUFACTURER'S RECOMMENDATION) (I.E. DRAINAGE SWALE OR IMPERMEABLE SOILS.) TOP OF WALL STEPS SEE DETAIL -STIFF FIRM SOIL 3" GALVANIZED PIPE SOIL FAILURE PLANE **ROCKWOOD CLASSIC 8"** GALVANIZED PIPE, LOOP CONNECTOR MANTA RAY ANCHORS AND MANTA RAY ANCHORS (SITE SPECIFIC DESIGN) (STAGGERED INSTALLATION) THREADED PIPE 2.67' TYP. COUPLING FINISHED GRADE **FINISHED GRADE** UNIT DRAINGAGE FILI FOOTING STEPS COMPACTED GRANULAR BASE OR DRAIN TILE OPTIONAL (SITE SPECIFIC OPTIONAL CONCRETE LEVELING PAD TYPICAL WALL ELEVATION TYPICAL MANTA RAY ANCHOR SECTION DATE. REVISION. THIS DRAWING IS FURNISHED FOR PRELIMINARY DESIGN PURPOSES ONLY, AND SHOULD NOT BE USED FOR FINAL DESIGN DRAWINGS OR CONSTRUCTION DRAWINGS WITHOUT THE # \$ RETAINING WALLS CERTIFICATION OF A PROFESSIONAL ENGINEER MANTA RAY ANCHOR REGISTERED IN THE STATE IN WHICH THE WALL **FACING** WILL BE CONSTRUCTED