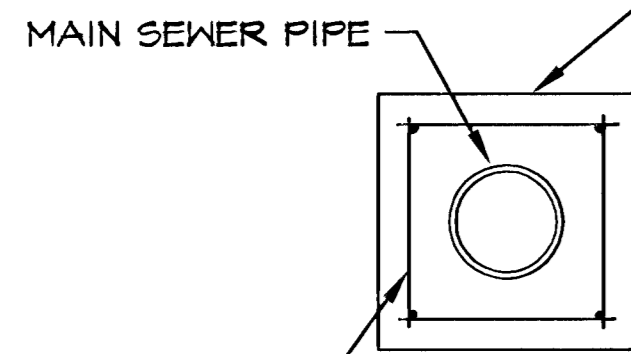


SHORELINE PROTECTION WALL CONSTRUCTION DETAIL

3/4"=1'-0"

CONCRETE ENCASEMENT, 8" MINIMUM ALL SIDES. CITY CONCRETE PAVEMENT MIX.

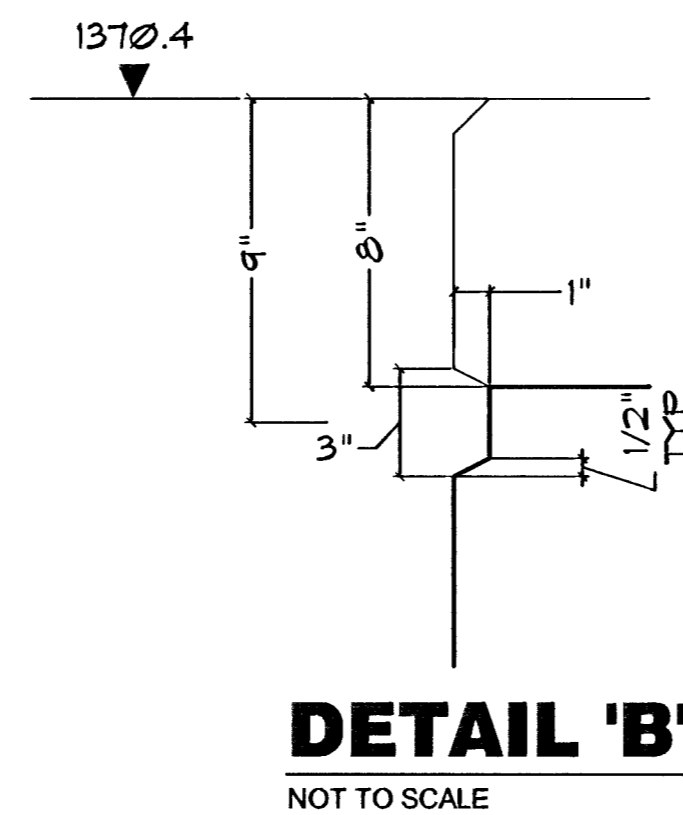


CONCRETE ENCASEMENT DETAIL

NOT TO SCALE

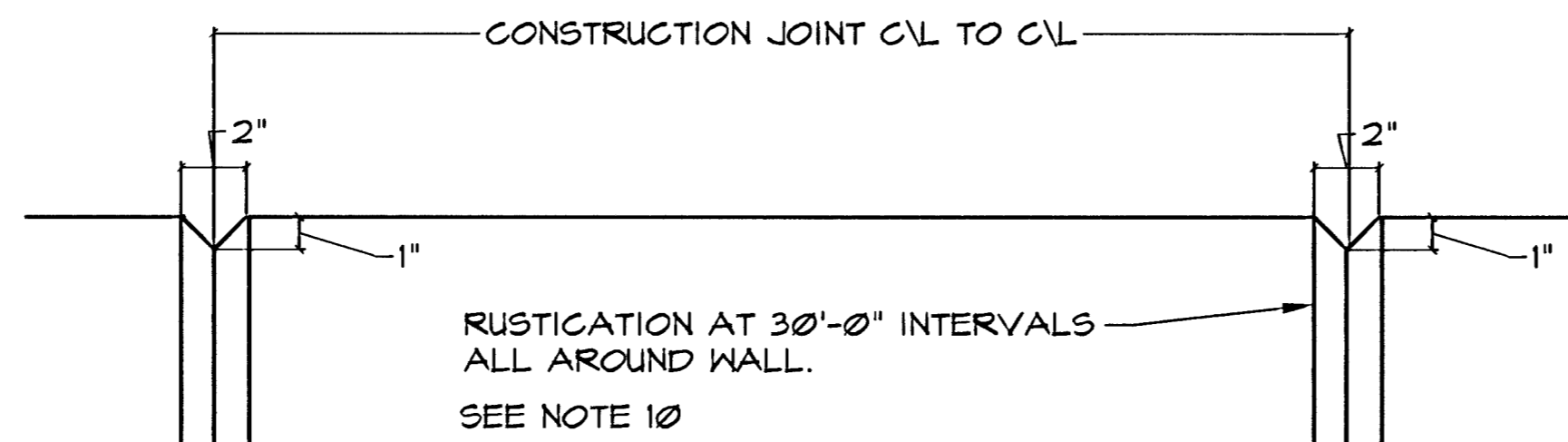
GENERAL NOTES

1. ALL CONCRETE TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS.
2. ALL REINFORCING TO MEET ASTM A615, GRADE 60. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL SHALL BE TO CENTERLINE OF REINFORCING UNLESS OTHERWISE NOTED.
3. ALL CONCRETE SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE".
4. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR III.
5. ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33.
6. BEVEL ALL EXPOSED EDGES WITH 1" TRIANGULAR MOLDING.
7. ALL FOOTINGS SHALL BEAR ON UNDISTURBED EARTH OR ENGINEERED FILL AT ELEVATIONS SHOWN ON DETAILS.
8. BACKFILLING OF THE CONCRETE STRUCTURE SHALL COMMENCE FOLLOWING A MINIMUM CURE PERIOD OF SEVEN DAYS. BACKFILLING OF THE STRUCTURE SHALL BE ACCOMPLISHED BY PLACING AND COMPACTING FILL MATERIAL ON EACH SIDE IN EQUAL LIFTS IF APPLICABLE. THE CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO APPLY EXCESSIVE PRESSURE TO EITHER SIDE IN THE BACKFILLING PROCESS. BACKFILL MATERIAL SHALL BE COMPACTED TO 95% STD. DENSITY PER CITY OF WICHITA SPECS. THE COST OF BACKFILLING THE STRUCTURE IS SUBSIDIARY TO THE STRUCTURES CONSTRUCTION.
9. ALL EXPOSED CONCRETE SURFACES SHALL RECEIVE LIGHT SANDBLASTED FINISH.
10. CAST WALL IN 30'-0" LENGTHS IN AN ALTERNATING PATTERN AT 7 DAY INTERVALS.
11. GABION MATTRESS SHALL BE PVC COATED.



DETAIL 'B'

NOT TO SCALE

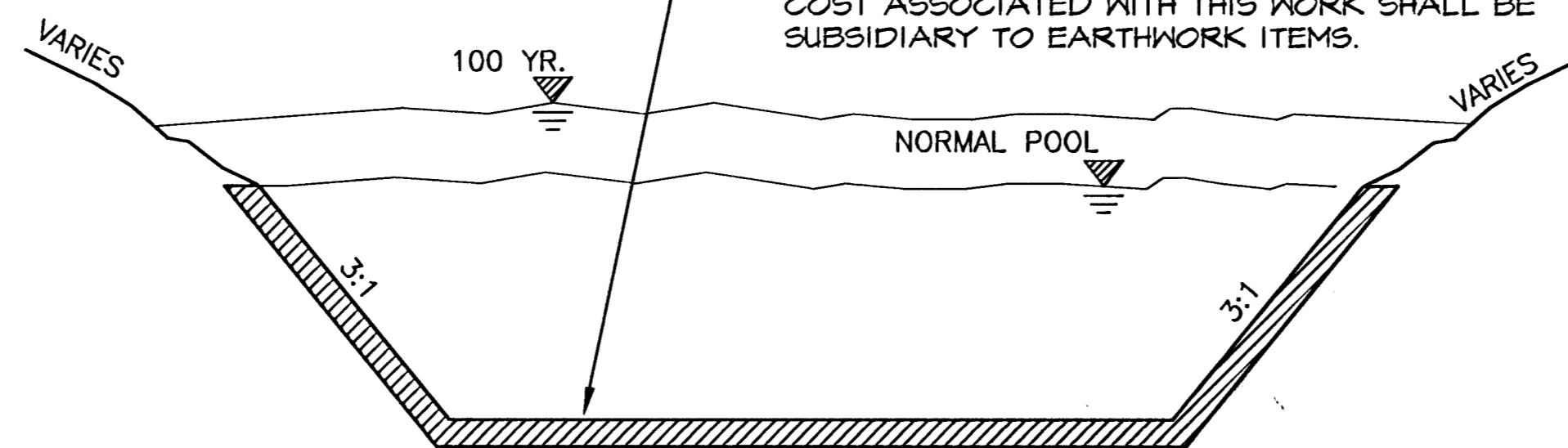


RUSTICATION DETAIL

NOT TO SCALE

NOTE: CONTRACTOR SHALL MAKE EVERY EFFORT TO USE THE CHOICE MATERIAL FOR CLAY LINER. PI-30 IS A MIN.

OVER EXCAVATE 12" OF SOIL. PLACE IN TWO 6" LIFTS CLAY LINER (PI=30). COMPACT TO 2% ABOVE OPTIMUM ASTM D698 95% RELATIVE MAX DENSITY. A PERMIABILITY TEST OF THE LINER MATERIAL SHALL BE PERFORMED BY A GEOTECHNICAL SOILS ENGINEER AT A RANDOM LOCATION AS DETERMINED BY THE PROJECT INSPECTOR AND AT THE CONTRACTORS EXPENSE (1 PER POND). THE CLAY LINER MATERIAL SHALL MEET OR EXCEED A PERMIABILITY RATING VALUE OF 10⁻⁷. ALL COST ASSOCIATED WITH THIS WORK SHALL BE SUBSIDIARY TO EARTHWORK ITEMS.

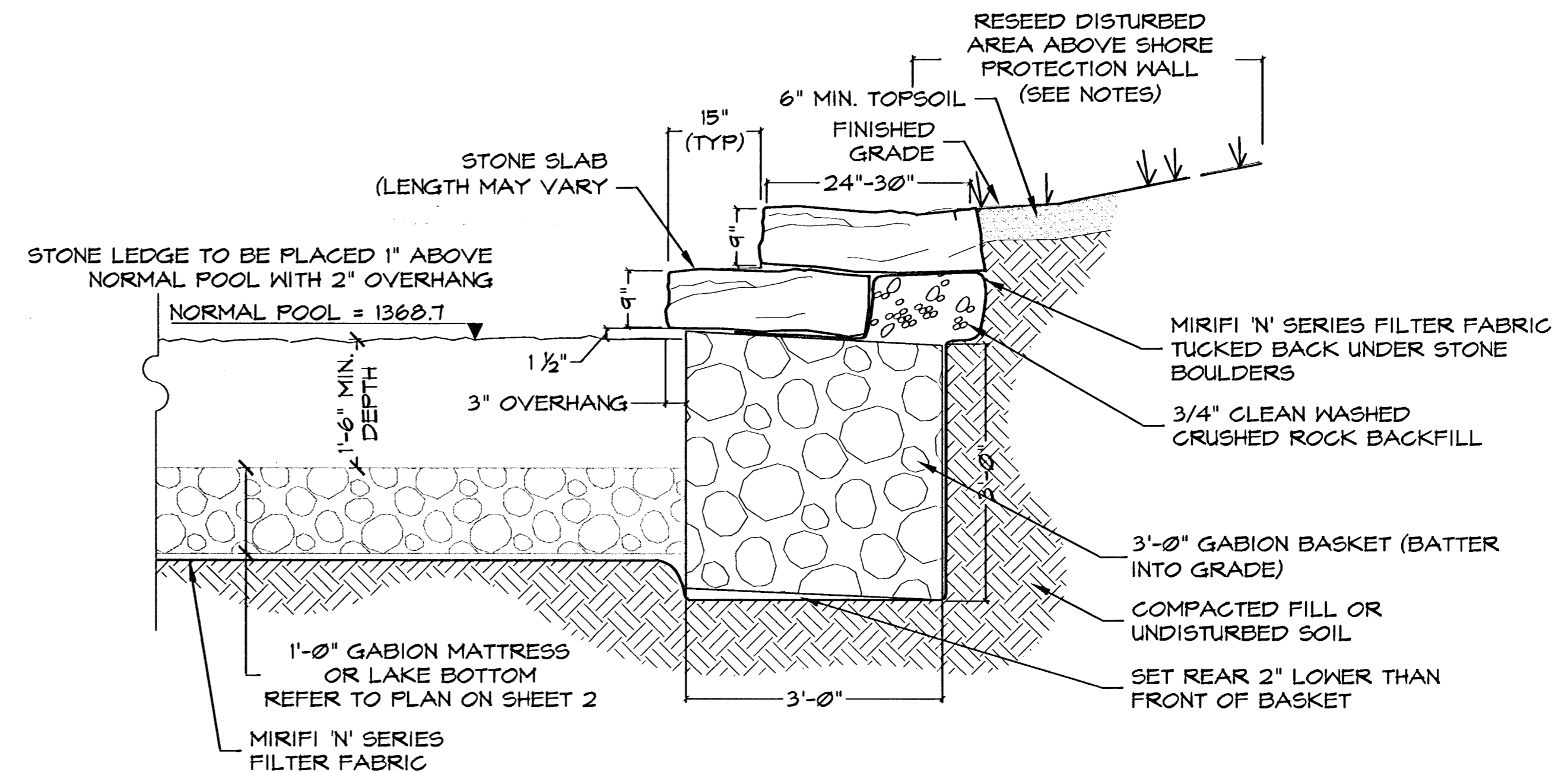


TYPICAL LAKE DETAIL

NOT TO SCALE

LANDSCAPE STONE NOTES:

1. THE STONE SLABS TO BE USED ALONG THE POND EDGE AS INDICATED AND OTHER STONE USED FOR LANDSCAPE TYPE AREAS SHALL BE 'SAN BOIS BLEND' SANDSTONE OBTAINABLE FROM TURKEY CREEK NATURAL STONE, RT. 2, BOX 2020 WISTER, OKLAHOMA 74966. CONTACT: CHUCK EVANS (918)641-6610. COLOR/TYPE: SAN BOIS BLEND. BED THICKNESS: 7" TO 9". LENGTH: 24" (MIN.) DEPTH: 24" (MIN.) RESERVE LARGER STONES FOR BASE COURSES. COORDINATE PLACEMENT WITH LANDSCAPE ARCHITECT. AN EQUAL STONE OF QUALITY AND PHYSICAL CHARACTERISTICS MAY BE SUBSTITUTED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT. ALL STONE DELIVERED TO THE SITE IS SUBJECT TO APPROVAL PRIOR TO USE.
2. STONE SLABS SHALL BE CAREFULLY SET IN PLACE TO PROVIDE A NEAT, CLEAN AND ORDERLY APPEARANCE. STONE ENDS SHALL BE BUTTED TOGETHER TIGHTLY. NO GAP SHALL BE LARGER THAN 1" IN WIDTH. SAW CUTS MAY BE MADE TO HELP WITH ANGLE TRANSITIONS, HOWEVER THE VISIBLE EDGE/TOP OF THE SAW CUT SHALL BE STRUCK WITH A HAMMER TO COMPLETELY REMOVE THE SHARP EDGE/FACE AND CREATE A NATURAL BREAK APPEARANCE.
3. EXPOSED FACE SHALL BE SPLIT, NOT SAWN. ANY EXPOSED DRILL MARKS SHALL BE SOFTENED WITH CHISEL.
4. TILT ALL STONE SLABS SLIGHTING INWARD TOWARD THE RETAINED SOIL. FAILURE TO DO SO SHALL RESULT IN RE-CONSTRUCTION OF THE WALL.



ADD ALTERNATE #1 - STONE EDGE TREATMENT

NOT TO SCALE

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WATERFRONT ADDITION
PROJECT NAME

SHORELINE PROTECTION DETAILS
SHEET TITLE

DESIGN BY: DBG DRAWN BY: DBG CHECKED BY: JAG

DATE: JULY 2005 JOB NO.: 02014 SHEET/OF: 3 / 11