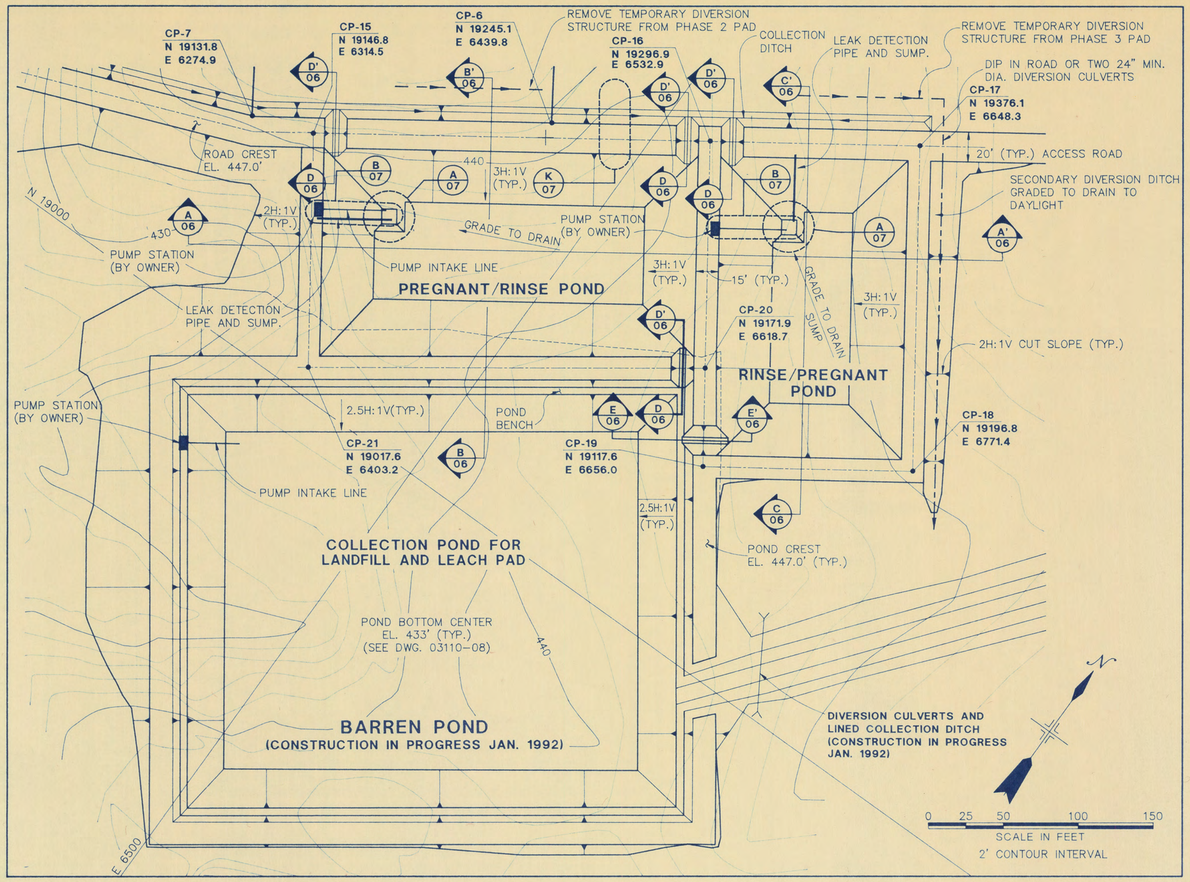
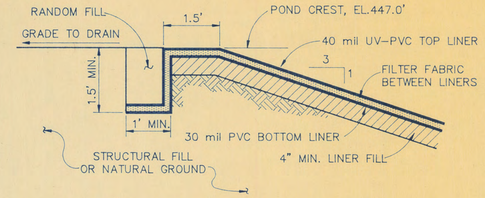
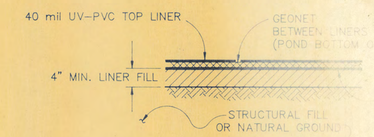
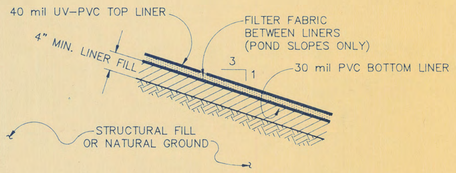




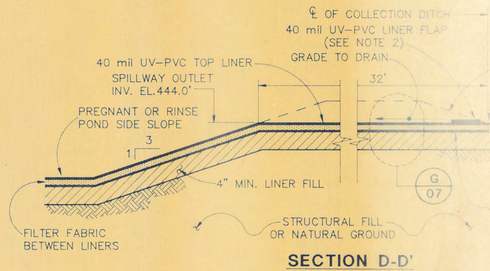
POND LINER ANCHOR DETAIL (A)
(NOT TO SCALE)



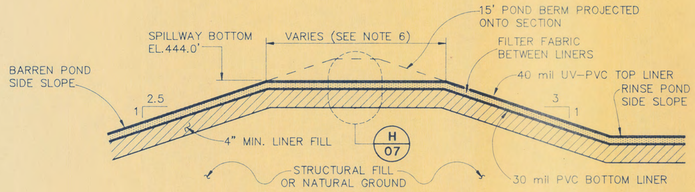
POND BOTTOM LINER DETAIL (B)
(NOT TO SCALE)



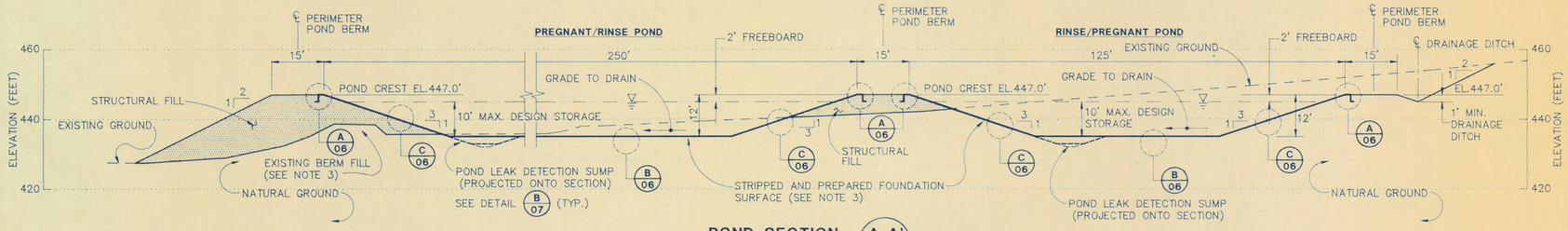
POND SLOPE LINER DETAIL (C)
(NOT TO SCALE)



SECTION D-D'
PAD TO POND SPILLWAY BOTTOM
(NOT TO SCALE)



SECTION E-E'
RINSE TO BARREN POND SPILLWAY BOTTOM
(NOT TO SCALE)



POND SECTION A-A' 06
1" = 20'

NOTES:

1) POND STORAGE CAPACITIES INCLUDE 6.86 MILLION GALLONS FOR BARREN POND, 1.5 MILLION GALLONS FOR PREGNANT/RINSE POND, AND 1.0 MILLION GALLONS FOR RINSE/PREGNANT POND WITH 3.3 MILLION GALLONS IN EXISTING PROCESS PONDS PLUS 2 FEET OF FREEBOARD.

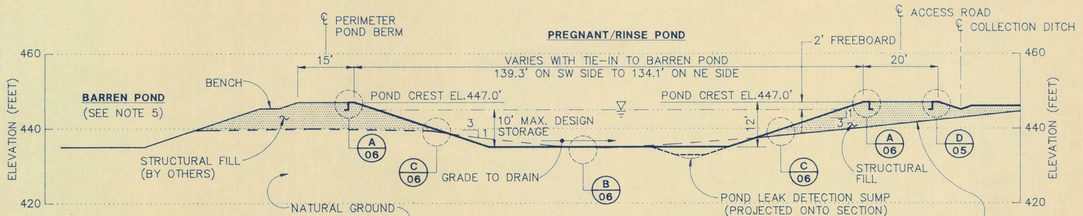
2) LINER FLAP TO BE FIELD LOCATED IN SPILLWAY INLET AREA AND CONSTRUCTED AS SHOWN ON DETAIL (F 07)

3) EXISTING FILL AND STRIPPED GROUND SURFACE TO BE REMOVED TO FIRM FOUNDATION FILL OR NATURAL GROUND DURING CONSTRUCTION, AS DETERMINED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA.

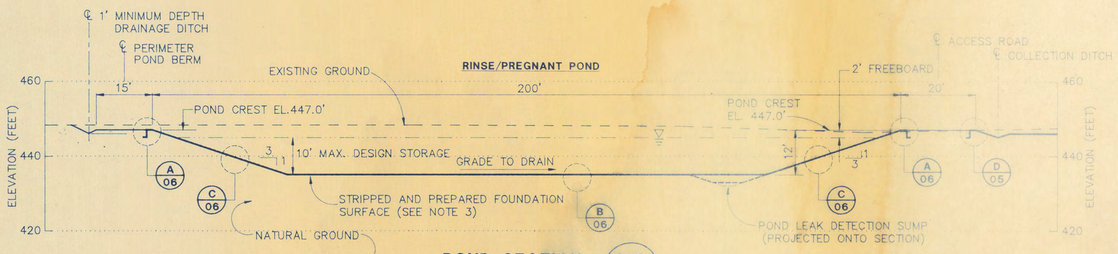
4) THE INTENT OF DESIGN FOR LINER FILL BEDDING BENEATH DOUBLE SYNTHETICALLY LINED PONDS IS TO PROVIDE A SMOOTH FIRM SURFACE ACCEPTABLE FOR PLACEMENT OF THE PVC LINER. FINAL SMOOTH GRADER BLADE CUTS IN NATURAL GROUND MAY BE ACCEPTABLE IN LIEU OF LINER FILL, AS DETERMINED BY THE ENGINEER.

5) BARREN POND TO BE CONSTRUCTED AND OPERATIONAL AS PART OF WASTE AREA "C" LANDFILL CONSTRUCTION AND SUBSEQUENTLY SHALL BE TIED IN WITH PERMANENT PAD FACILITIES.

6) PREGNANT TO BARREN POND SPILLWAY SECTION SIMILAR TO SECTION E-E' WITH SPILLWAY BOTTOM AT EL.445.0'.



POND SECTION B-B' 06
1" = 20'



POND SECTION C-C' 06
1" = 20'

1-22-92
Allen J. Bartolach
ENGINEER

PREPARED FOR:
NEVADA GOLDFIELDS INC.
BARITE HILL PROJECT

PREPARED BY:
WESTEC
WESTON ENGINEERING SCIENCE & TECHNOLOGY, INC.
5600 S. QUEBEC STREET, SUITE 319-B
ENGLEWOOD, COLORADO 80111
(303) 290-9113

REVISIONS NO.	DESCRIPTION	BY	CH.	APPROVED	DATE
A	ISSUED FOR PERMITTING				

REFERENCES		
03110-07	MISCELLANEOUS SECTIONS AND DETAILS	APPROVED
03110-04	HEAP LEACH PAD AND PONDS - PLAN	APPROVED

DESIGNED		
DRAWN	M.G.B.	12/91
CHECKED	A.J.B.	12/91
APPROVED		
APPROVED		
APPROVED		

DATE TO / FIELD — A B C 1 2 3 4 5 6 7 8 9 10

TITLE
COLLECTION PONDS - PLAN, SECTIONS AND DETAILS

SCALE AS SHOWN
DRAWING No. 03110-06
REVISION A