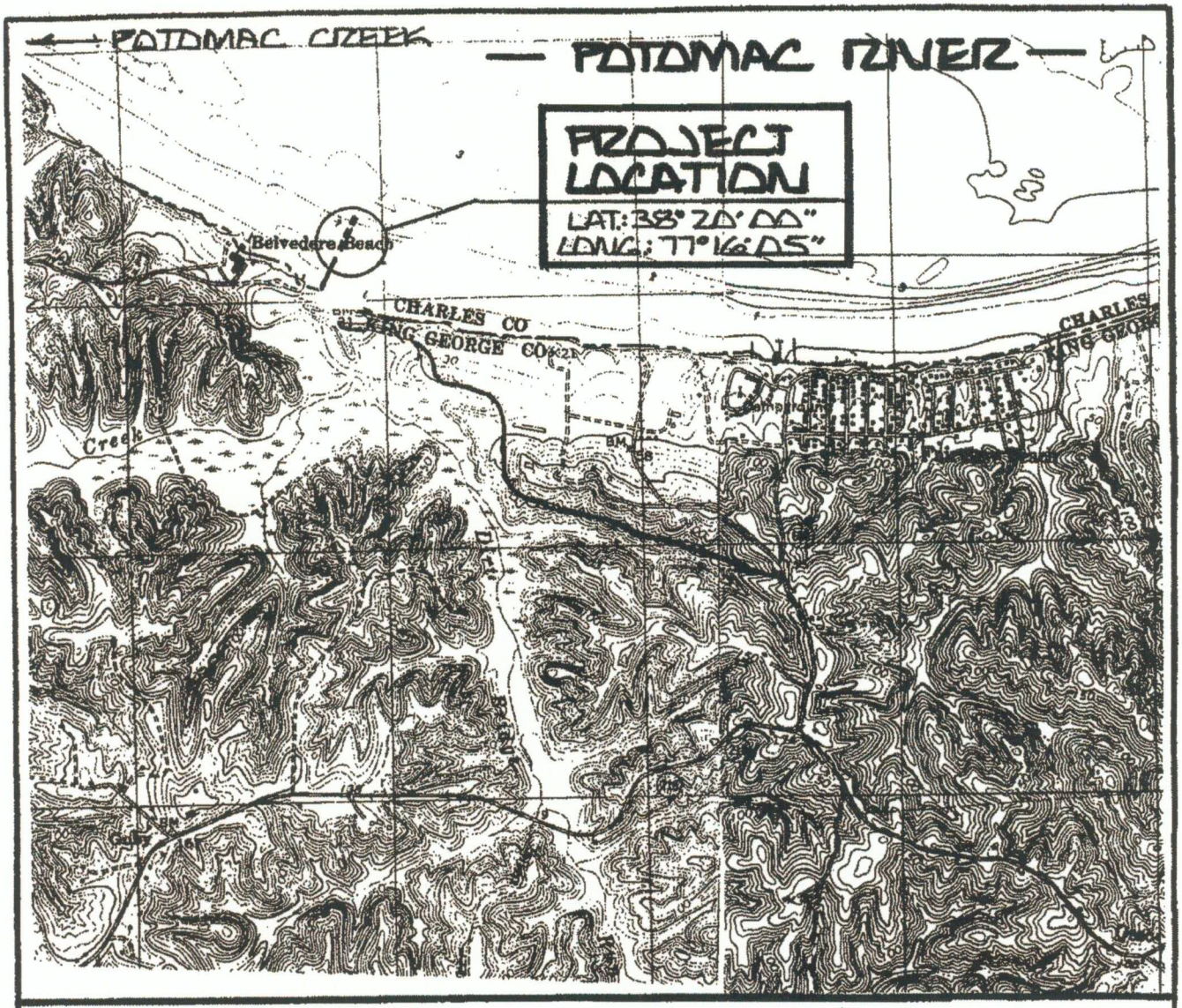
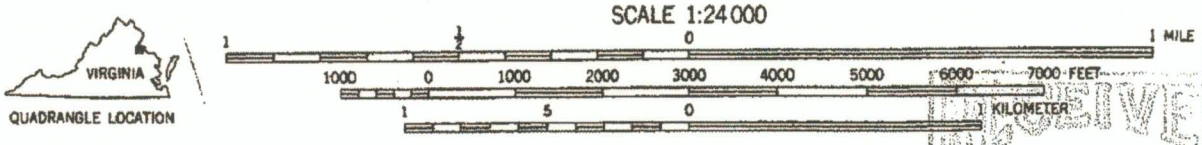


VICINITY MAP

PASSAPATANZY, VA. – MD. AND
KING GEORGE QUADRANGLE
VIRGINIA – MARYLAND
7.5 MINUTE SERIES (TOPOGRAPHIC – BATHYMETRIC)

SCALE 1:24 000



QUADRANGLE LOCATION

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
BATHYMETRIC CONTOUR INTERVAL 1 METER WITH SUPPLEMENTARY
0.5 METER CONTOURS—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
THE MEAN RANGE OF TIDE IS APPROXIMATELY 0.4 METER

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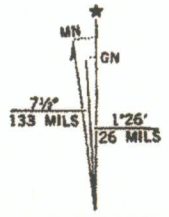
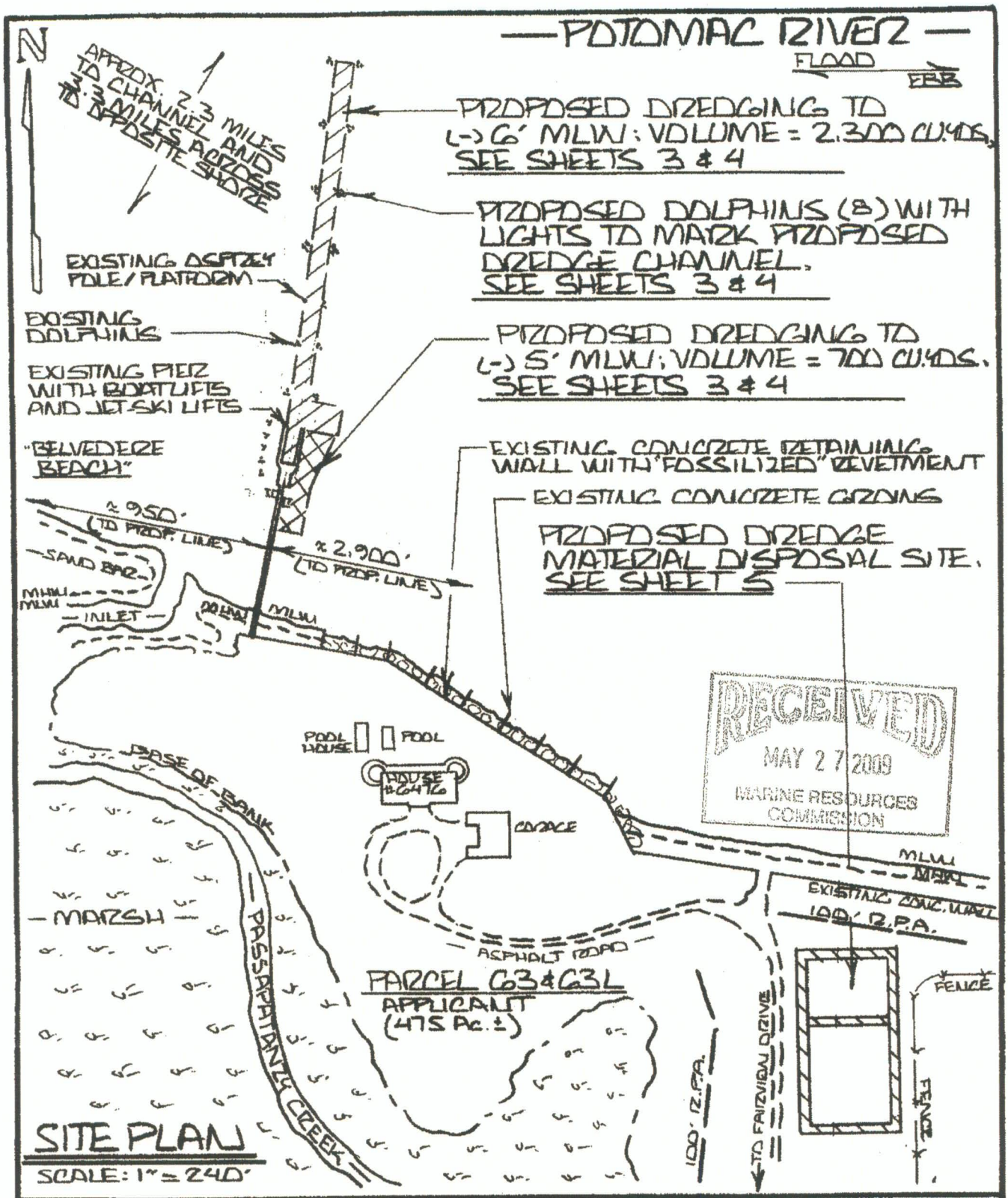


UTM GRID AND 1979 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

PROPOSED DREDGING
RADLEY —— MATOAX FARM - BELVEDERE BEACH
POTOMAC RIVER —— KING GEORGE CO.
SHT.: 2 OF 5 DATE: 5-18-09 BAYSHORE DESIGN, L.L.C.



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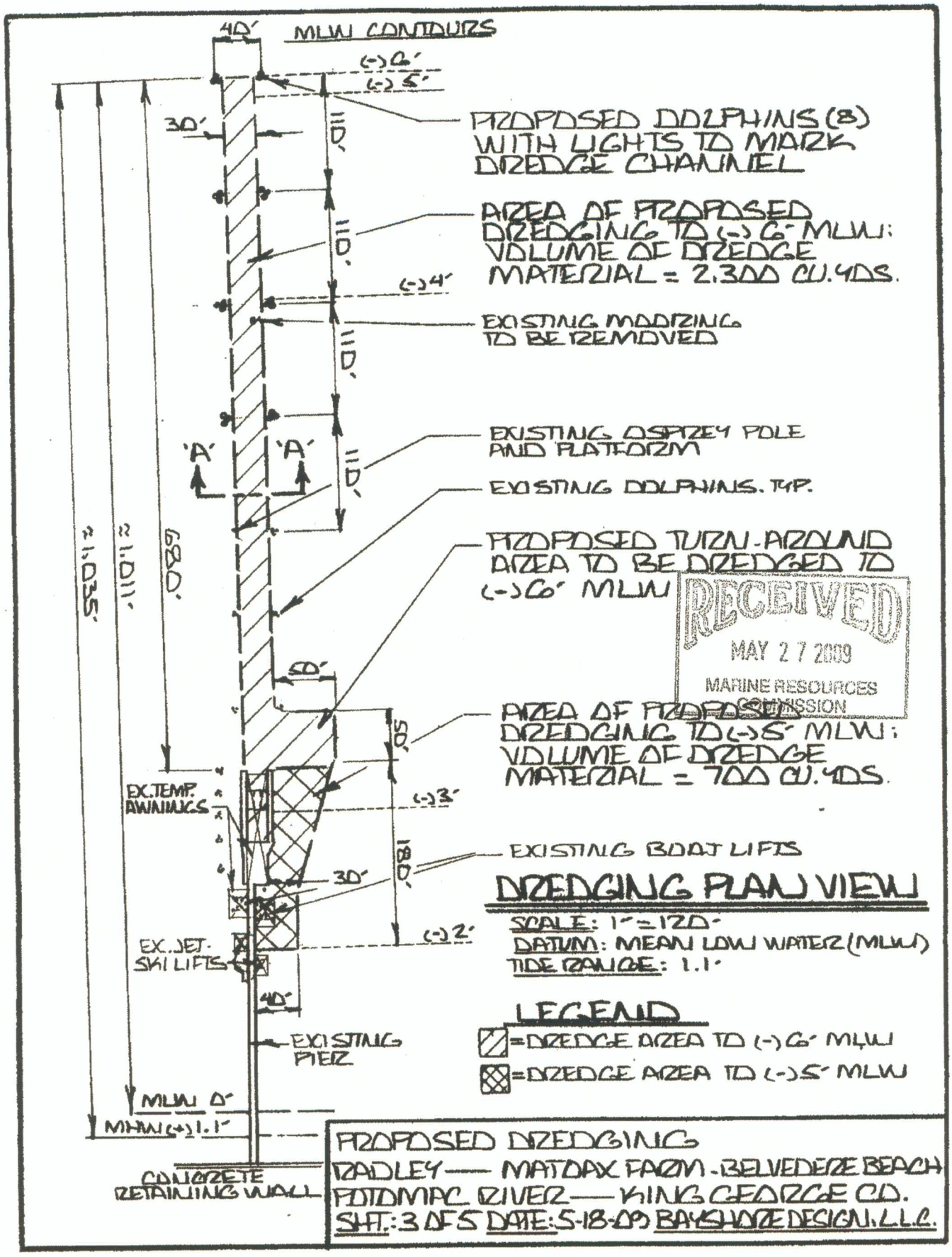
PROPOSED DREDGING
VINCENT P.B. & KAREN C. BADLEY
6476 FAIRVIEW DRIVE
KING GEORGE, VA 22485

LOCATION: MATOAX FARM - PARCEL 63 & 63L, POTOMAC DISTRICT TAX MAP 13, KING GEORGE COUNTY, VIRGINIA
PURPOSE: IMPROVE WATER ACCESS
SHT.: 1 OF 5 DATE: 5-18-09 BAYSHORE DESIGN, LLC



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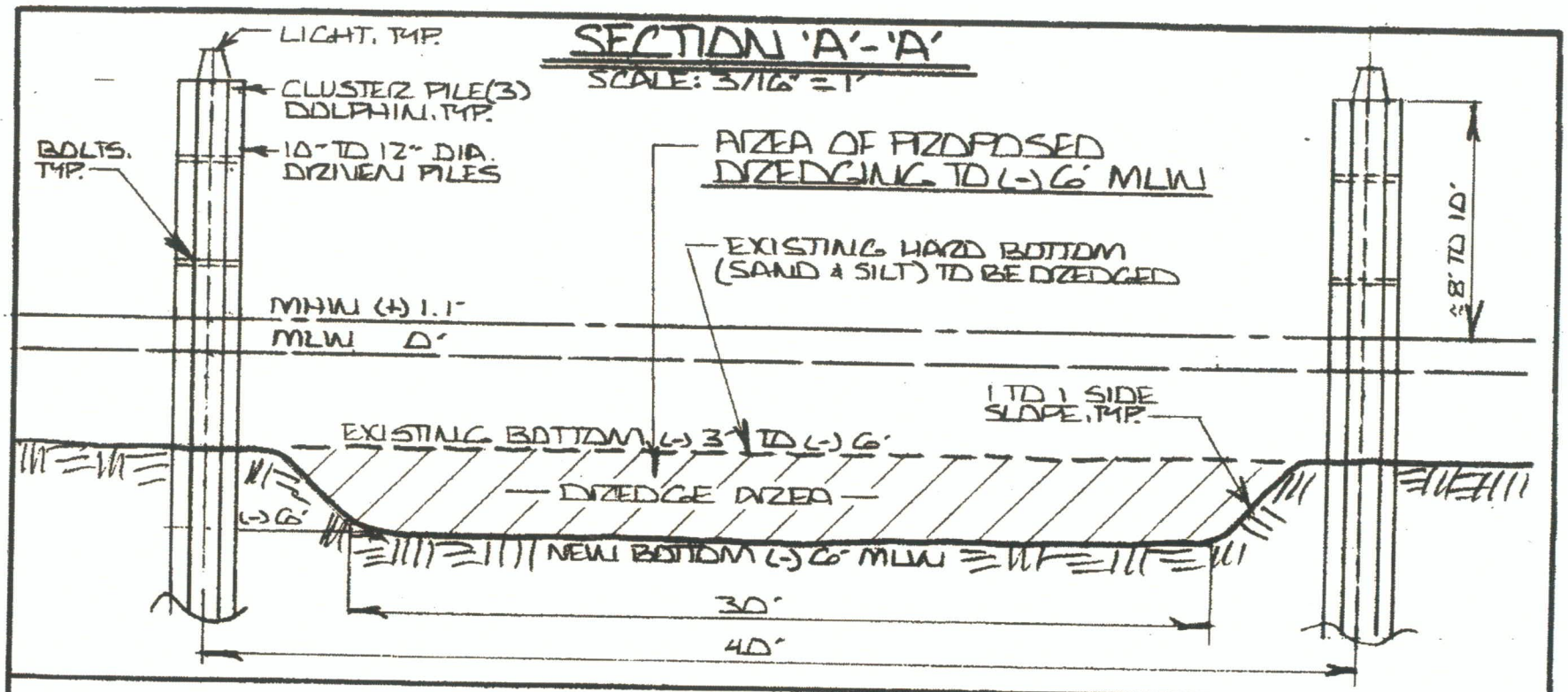

DREDGING NOTES

1. **DREDGING AMOUNT:**
   AREA TO (-) 6' MLW: 2,300 CU.YDS.
   AREA TO (-) 5' MLW: 700 CU.YDS.
   TOTAL = 3,000 CU.YDS.

2. **DREDGE MATERIAL:**
   SAND AND SILT

3. **DREDGE METHOD:**
   HYDRAULIC

4. **DREDGE AREA:**
   AREA TO (-) 6' MLW: 28,000 S.F.
   AREA TO (-) 5' MLW: 7,200 S.F.
   TOTAL = 35,200 S.F.
   (SUBAQUEOUS BOTTOM)

5. **DREDGE DISPOSAL SITE:**
   DREDGE MATERIAL TO BE PUMPED FROM HYDRAULIC DREDGE THRU 10" DIA. DISCHARGE LINE TO UPLAND CONTAINMENT AREA ON APPLICANTS PROPERTY. SEE SHEET 5 FOR DETAILS.

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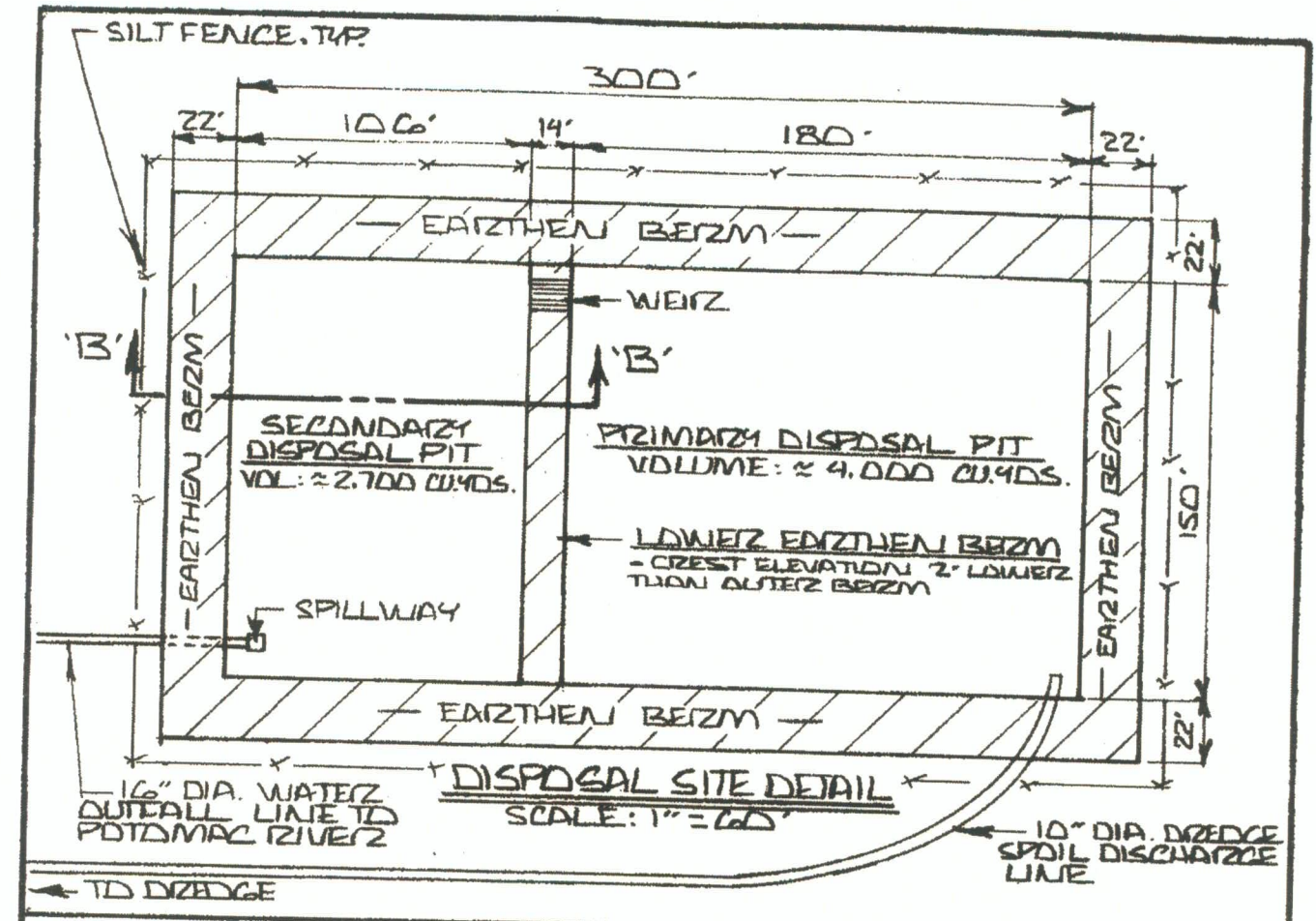
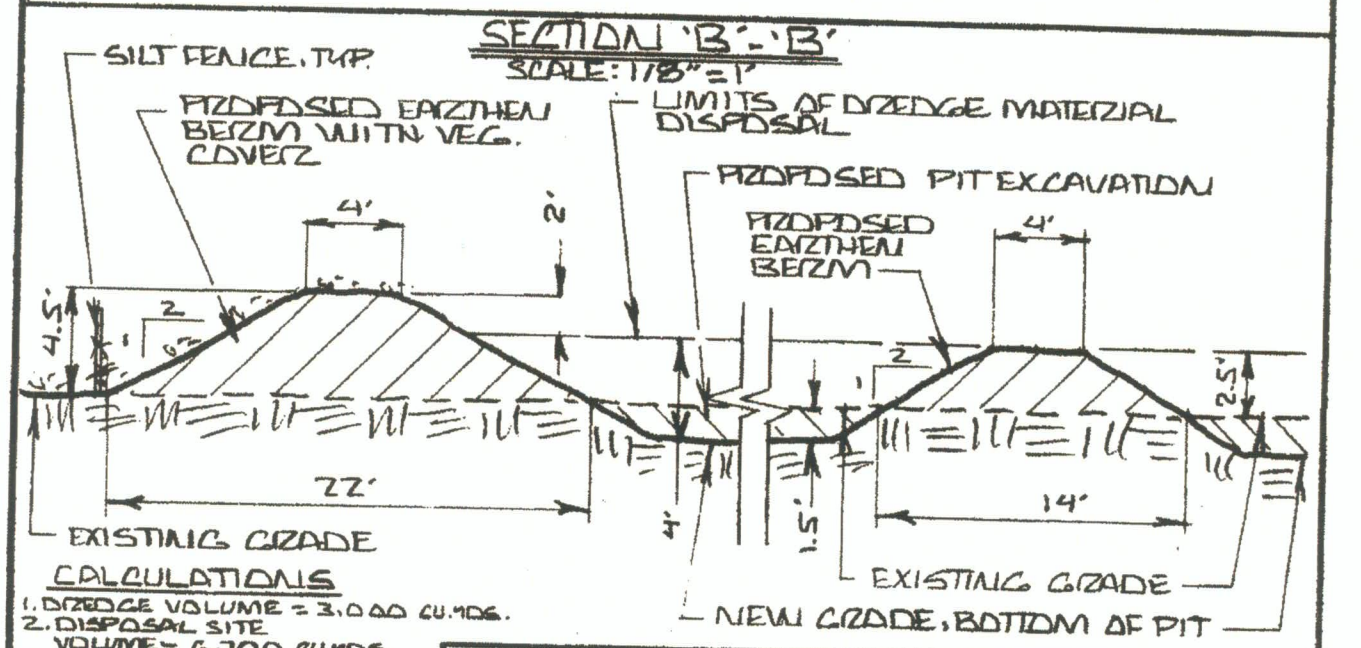
PROPOSED DREDGING
TADLEY — MATOAX FARM-BELVEDERE BEACH
POTOMAC RIVER — KING GEORGE CO.
SHT.: 4 OF 5 DATE: 5-18-09 BAYSHORE DESIGN, L.L.C





CALCULATIONS

1. DREDGE VOLUME = 3,000 CU.YDS.
2. DISPOSAL SITE VOLUME = 6,700 CU.YDS.
3. DISPOSAL PIT EXCAVATION VOLUME = 2,500 CU.YDS
4. BERM CONSTRUCTION VOLUME = 2,300 CU.YDS.

NOTE: BERMS CONSTRUCTED WITH MATERIAL FROM PIT EXCAVATION

PROPOSED DREDGING
RADLEY — MATDAX FARM - BELVEDERE BEACH
POTOMAC RIVER — KING GEORGE CO.
SHT: 5 OF 5 DATE: 5-18-09 BAYSHORE DESIGN, LLC

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