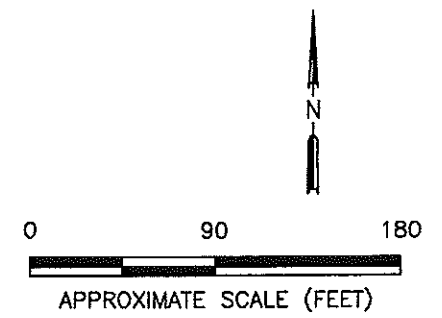


**LEGEND**  
 - - - - - SUBJECT PROPERTY LINE BOUNDARY  
 ..... DROSS PILE LOCATION



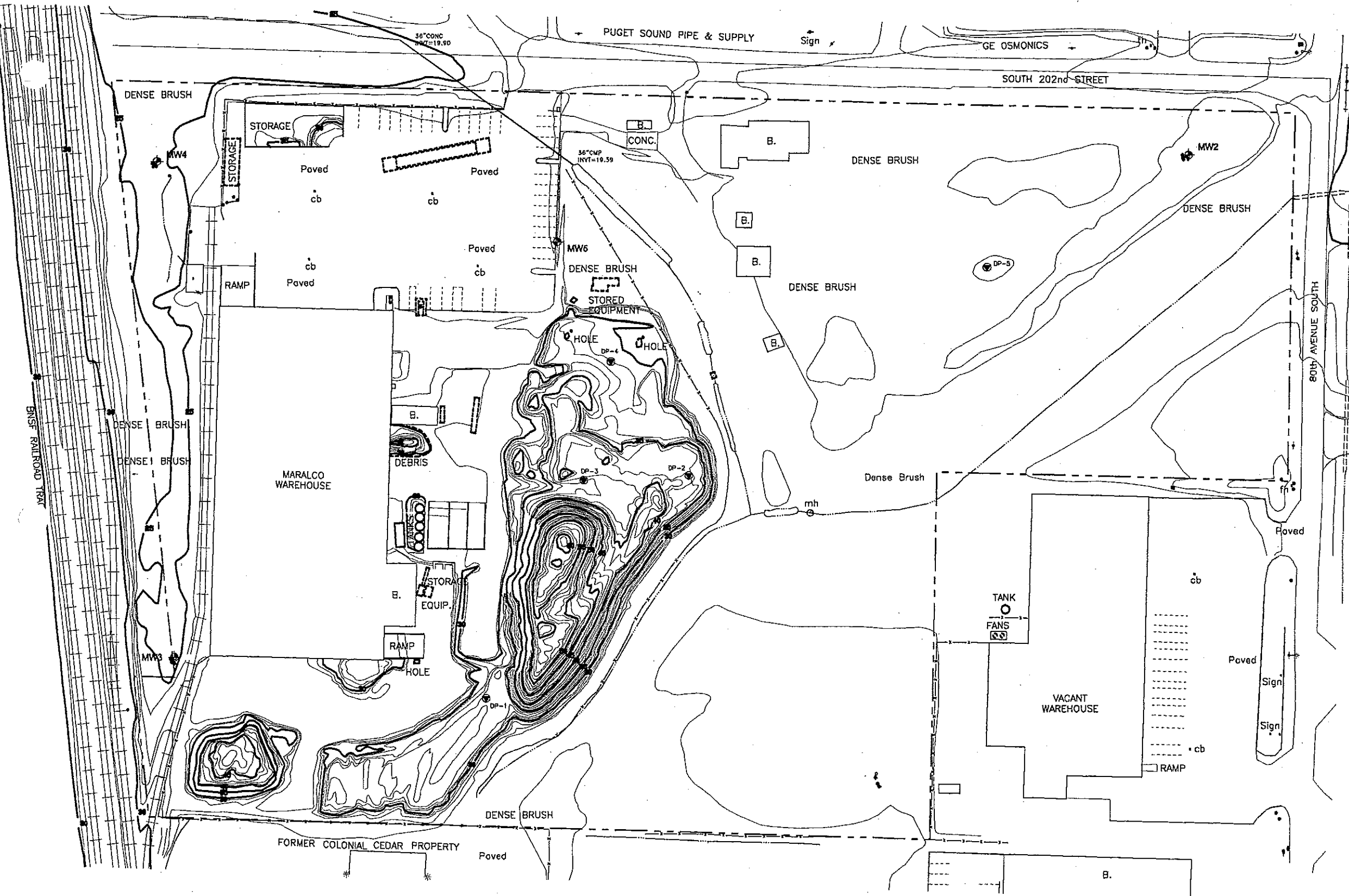
Plot Date: Xrefs:



**MARALCO SITE - KENT, WASHINGTON**  
**SITE DETAILS MAP**

Drawn By: KAM  
 Checked By: CNM  
 Project No: MARALCO 6070.001-1  
 File Name: MARALCO6070-1-112  
 Revision No:  
 Date: 05/08/03  
 Scale: 1" = 90'-0"

**FIGURE**  
**1-2**



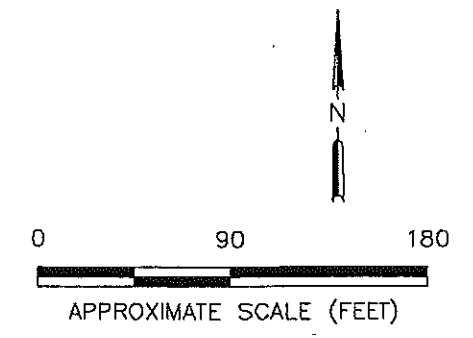
- LEGEND**
- SUBJECT PROPERTY LINE BOUNDARY
  - MW2 GROUNDWATER MONITORING WELL LOCATION
  - MW-5 EMR SOIL SAMPLING LOCATION
  - 5 FOOT CONTOUR INTERVAL
  - 1 FOOT CONTOUR INTERVAL

**1990 SURVEY NOTE**  
 SURVEY COMPLETED BY HORTON DENNIS & ASSOC. INC. AND DEGROSS AERIAL MAPPING  
 DATUM:  
 HORIZONTAL - CITY OF KENT SECTION BREAKDOWN  
 VERTICAL - N.G.V.D. FROM U.S.C.&G.S. BMC-407 RESET  
 SITE B.M.#1 ELEV 23.4  
 CHISELED SQUARE IN N.W. CORNER OF CONCRETE TRANSFORMER PAD NEAR N.E. CORNER OF LARGE BUILDING.

**2003 SURVEY NOTE**  
 SURVEY COMPLETED BY HOLMVID, DEWITT & ASSOCIATES, INC.  
**BASIS OF BEARING**  
 NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 1, TOWNSHIP 22 NORTH, RANGE 4 EAST, N.W. 1/4, IN KING COUNTY, WASHINGTON (FER DEED REC#8E05280700)  
**VERTICAL DATUM**  
 CITY OF KENT B#4238  
 CENTER POINT OF FIRE HYDRANT IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF SOUTH 165TH STREET AND 81ST AVE SOUTH. ELEV = 23.16 FEET  
 CITY OF KENT B#4272  
 NORTH EOLT ON FIRE HYDRANT ON THE WEST SIDE OF E.V.H. IN FRONT OF THE BEANERY RESTAURANT. ELEV = 23.77'

**NOTES**  
 THIS SURVEY WAS PERFORMED BY FIELD TRAVERSE WITH THE FINAL RESULTS MEETING OR EXCEEDING THE CURRENT TRAVERSE STANDARDS CONTAINED IN W.A.C. 352-130-090.  
 THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE DOES NOT PURPORT TO SHOW ALL EASEMENTS OR RESTRICTIONS OF RECORD, IF ANY.  
 THE BOUNDARY CORNERS AND LINES DEPICTED ON THIS MAP REPRESENT DEED LINES ONLY. THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY A COURT OF LAW.

**EQUIPMENT USED**  
 RUCON DTM-520  
 RANGER 2001 DATA COLLECTOR

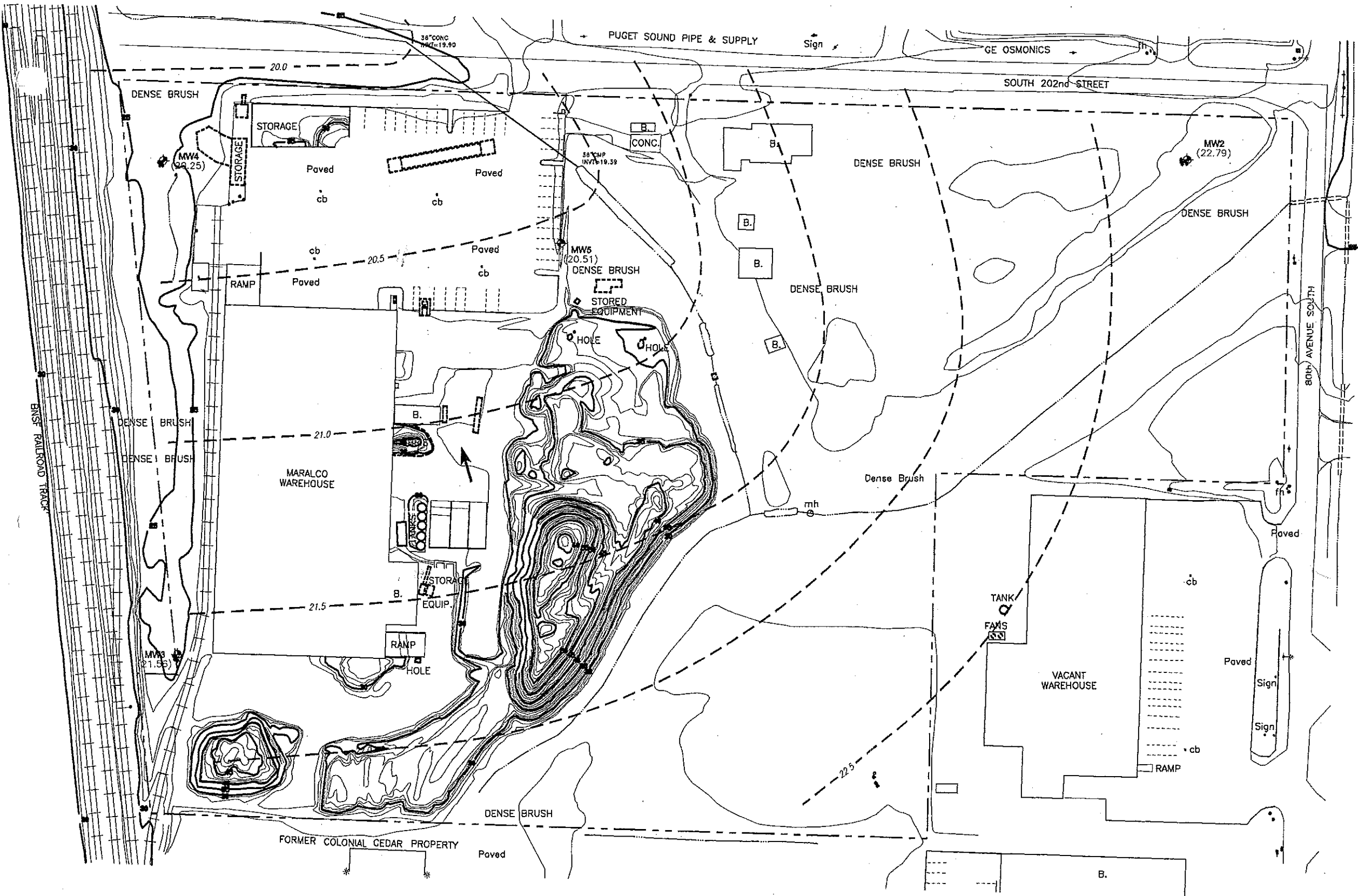


MARALCO SITE - KENT, WASHINGTON

GROUNDWATER MONITORING WELL & EMR SOIL SAMPLING LOCATIONS

Drawn By: KAM  
 Checked By: CNM  
 Project No: MARALCO 6070.001-1  
 File Name: MARALCO6070-1-141  
 Revision No:  
 Date: 05/08/03  
 Scale: 1" = 90'-0"

**FIGURE**  
 3-1

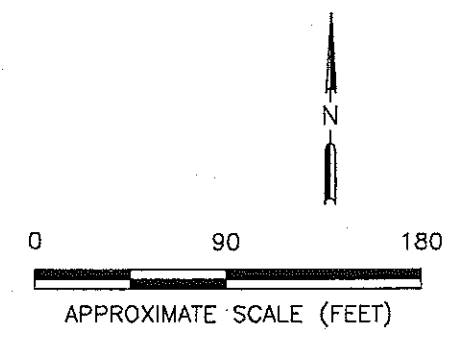


**LEGEND**

- SUBJECT PROPERTY LINE BOUNDARY
- GROUNDWATER MONITORING WELL LOCATION
- INFERRED GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR
- (20.51) GROUNDWATER ELEVATION IN FEET

**NOTES**

- CONTOUR INTERVAL = 0.50 FT
- RELATIVE GROUNDWATER ELEVATION (FEET) ABOVE MEAN SEA LEVEL

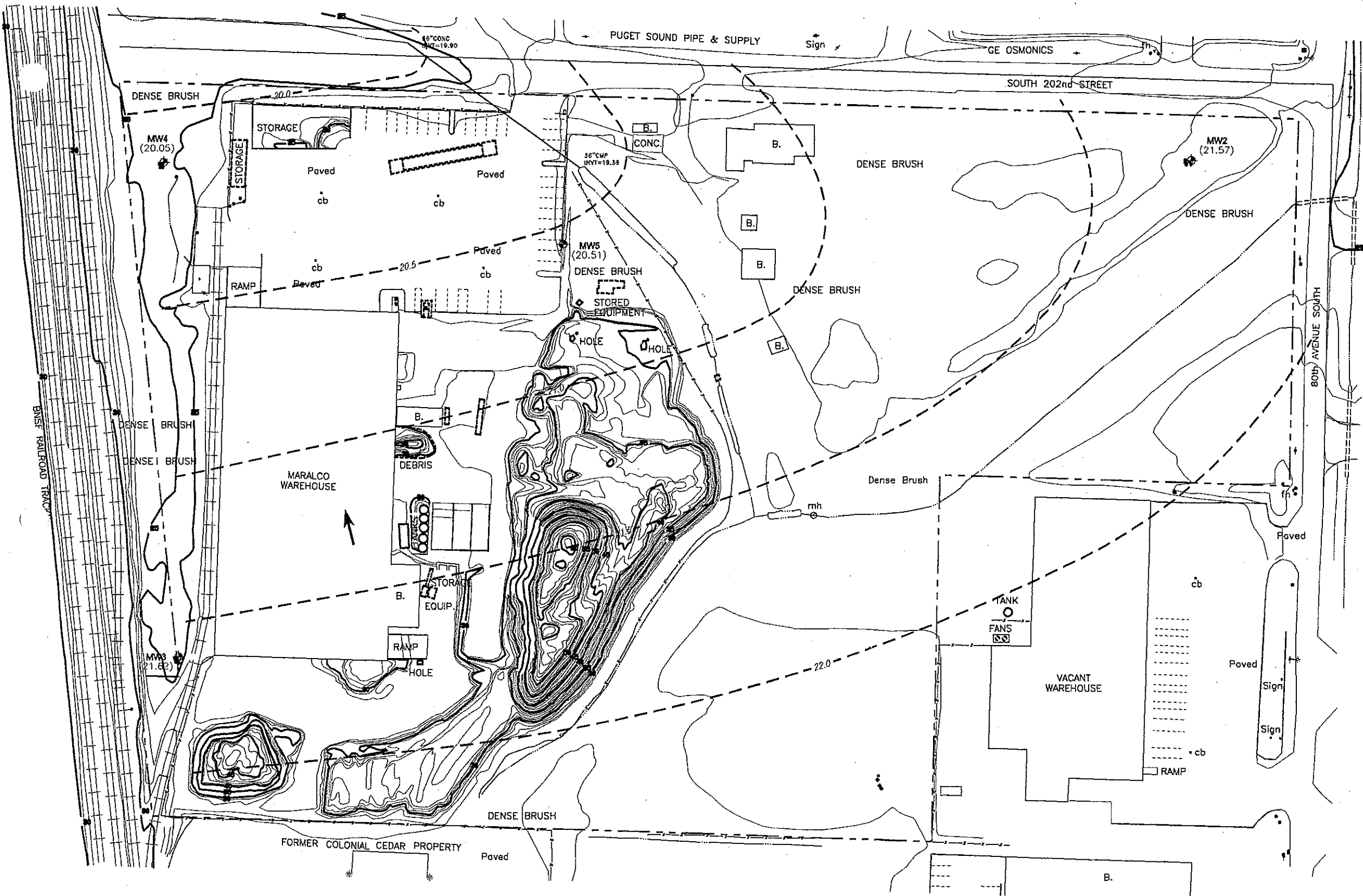


MARALCO SITE - KENT, WASHINGTON

JANUARY 2003 GROUNDWATER POTENTIOMETRIC MAP

Drawn By: KAM  
 Checked By: CNM  
 Project No: MARALCO 6070.001-1  
 File Name: MARALCO6070-1-151  
 Revision No:  
 Date: 05/07/03  
 Scale: 1" = 90'-0"

**FIGURE**  
4-1



- LEGEND**
- SUBJECT PROPERTY LINE BOUNDARY
  - MW2 ◊ GROUNDWATER MONITORING WELL LOCATION
  - ← INFERRED GROUNDWATER FLOW DIRECTION
  - - - GROUNDWATER ELEVATION CONTOUR
  - (21.57) GROUNDWATER ELEVATION IN FEET
  - - - 5 FOOT CONTOUR INTERVAL
  - 1 FOOT CONTOUR INTERVAL

**NOTES**

CONTOUR INTERVAL = 0.50 FT

RELATIVE GROUNDWATER ELEVATION (FEET) ABOVE MEAN SEA LEVEL

**1990 SURVEY NOTE**

SURVEY COMPLETED BY HORTON DENNIS & ASSOC. INC. AND DEBROSS AERIAL MAPPING

**DATUM:**  
 HORIZONTAL - CITY OF KENT SECTION BREAKDOWN  
 VERTICAL - N.A.S.D. FROM U.S.C.&G.S. ENC-407 FEET  
 SITE E.M. ELEV 25.84  
 CHECKED SQUARE IN N.W. CORNER OF CONCRETE TRANSFORMER PAD NEAR N.E. CORNER OF LARGE BUILDING.

**2003 SURVEY NOTE**

SURVEY COMPLETED BY HOLMVIC, DEWITT & ASSOCIATES, INC.

**BASIS OF BEARING**  
 NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 1, TOWNSHIP 22 NORTH, RANGE 4 EAST, W.W., IN KING COUNTY, WASHINGTON (PER DEED REC#8505260708)

**VERTICAL DATUM**  
 CITY OF KENT BM238  
 CENTER BOLT OF FIRE HYDRANT IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF SOUTH 155TH STREET AND 81ST AVE. SOUTH. ELEV = 23.16 FEET  
 CITY OF KENT BM272  
 NORTH BOLT ON FIRE HYDRANT ON THE WEST SIDE OF E.W.M. IN FRONT OF THE BEAVER RESTAURANT. ELEV = 26.77

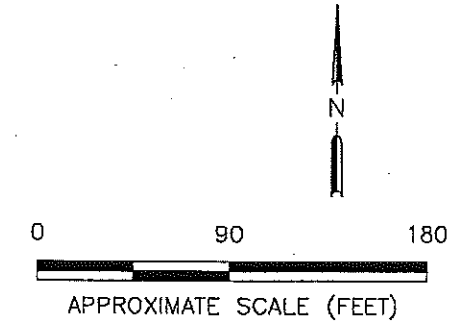
**NOTES**

THIS SURVEY WAS PERFORMED BY FIELD TRAVERSE WITH THE FINAL RESULTS MEETING OR EXCEEDING THE CURRENT TRAVERSE STANDARDS CONTAINED IN W.A.C. 332-130-050.

THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE DOES NOT PURPORT TO SHOW ALL EASEMENTS OR RESTRICTIONS OF RECORD, IF ANY.

THE BOUNDARY CORNERS AND LINES DEPICTED ON THIS MAP REPRESENT DEED LINES ONLY. THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY A COURT OF LAW.

**EQUIPMENT USED**  
 NIKON DTM-520  
 RANGER 200T DATA COLLECTOR

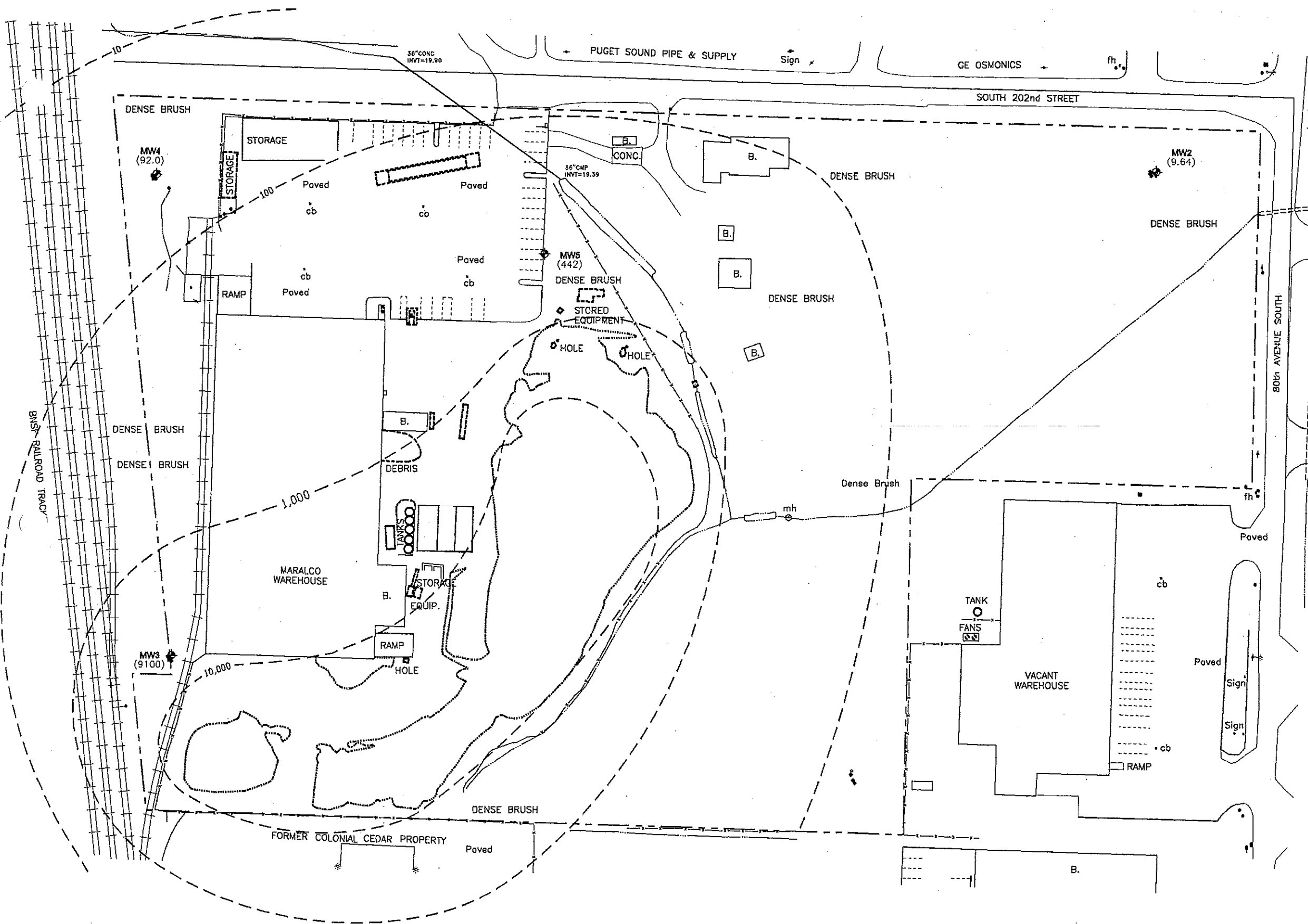


MARALCO SITE - KENT, WASHINGTON

APRIL 2003 GROUNDWATER POTENTIOMETRIC MAP

Drawn By: KAM  
 Checked By: CNM  
 Project No: MARALCD 6070.001-1  
 File Name: MARALCD6070-1-152  
 Revision No:  
 Date: 05/08/03  
 Scale: 1" = 90'-0"

FIGURE  
 4-2



- LEGEND**
- SUBJECT PROPERTY LINE BOUNDARY
  - ..... CROSS PILE LOCATION
  - MW2 ◆ GROUNDWATER MONITORING WELL LOCATION
  - - - CHLORIDE ISOCONCENTRATION CONTOUR (ug/L)
  - (442) CHLORIDE ISOCONCENTRATION LEVEL (ug/L)

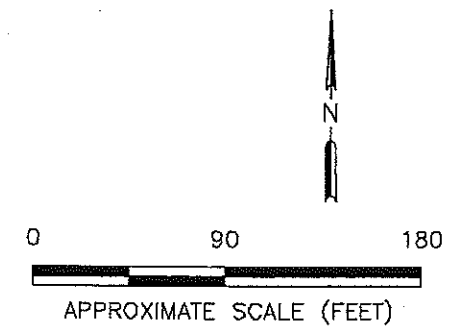
**1990 SURVEY NOTE**  
 SURVEY COMPLETED BY HORTON DENNIS & ASSOC. INC. AND DEGROSS AERIAL MAPPING  
 DATUM:  
 HORIZONTAL - CITY OF KENT SECTION BREAKDOWN  
 VERTICAL - N.G.V.D. FROM U.S.C. & G.S. BNC-407 RESET  
 SITE B.M. 1 ELEV 25.84  
 CHISELED SQUARE IN N.W. CORNER OF CONCRETE TRANSFORMER PAD NEAR N.E. CORNER OF LARGE BUILDING.

**2003 SURVEY NOTE**  
 SURVEY COMPLETED BY HOLMVIK, DENNITT & ASSOCIATES, INC.  
**BASIS OF BEARING**  
 NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 1, TOWNSHIP 22 NORTH, RANGE 4 EAST, W.W., IN KING COUNTY, WASHINGTON (PER DEED REC#8505200708)

**VERTICAL DATUM**  
 CITY OF KENT B.M. 2303  
 CENTER BOLT OF FIRE HYDRANT IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF SOUTH 155TH STREET AND 81ST AVE SOUTH.  
 ELEV = 23.15 FEET  
 CITY OF KENT B.M. 2272  
 NORTH BOLT ON FIRE HYDRANT ON THE WEST SIDE OF E.V.H. IN FRONT OF THE BEANERY RESTAURANT.  
 ELEV = 25.77

**NOTES**  
 THIS SURVEY WAS PERFORMED BY FIELD TRAVERSE WITH THE FINAL RESULTS MEETING OR EXCEEDING THE CURRENT TRAVERSE STANDARDS CONTAINED IN W.A.C. 332-130-090.  
 THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE DOES NOT PURPORT TO SHOW ALL EASEMENTS OR RESTRICTIONS OF RECORD, IF ANY.  
 THE BOUNDARY CORNERS AND LINES DEPICTED ON THIS MAP REPRESENT DEED LINES ONLY. THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY A COURT OF LAW.

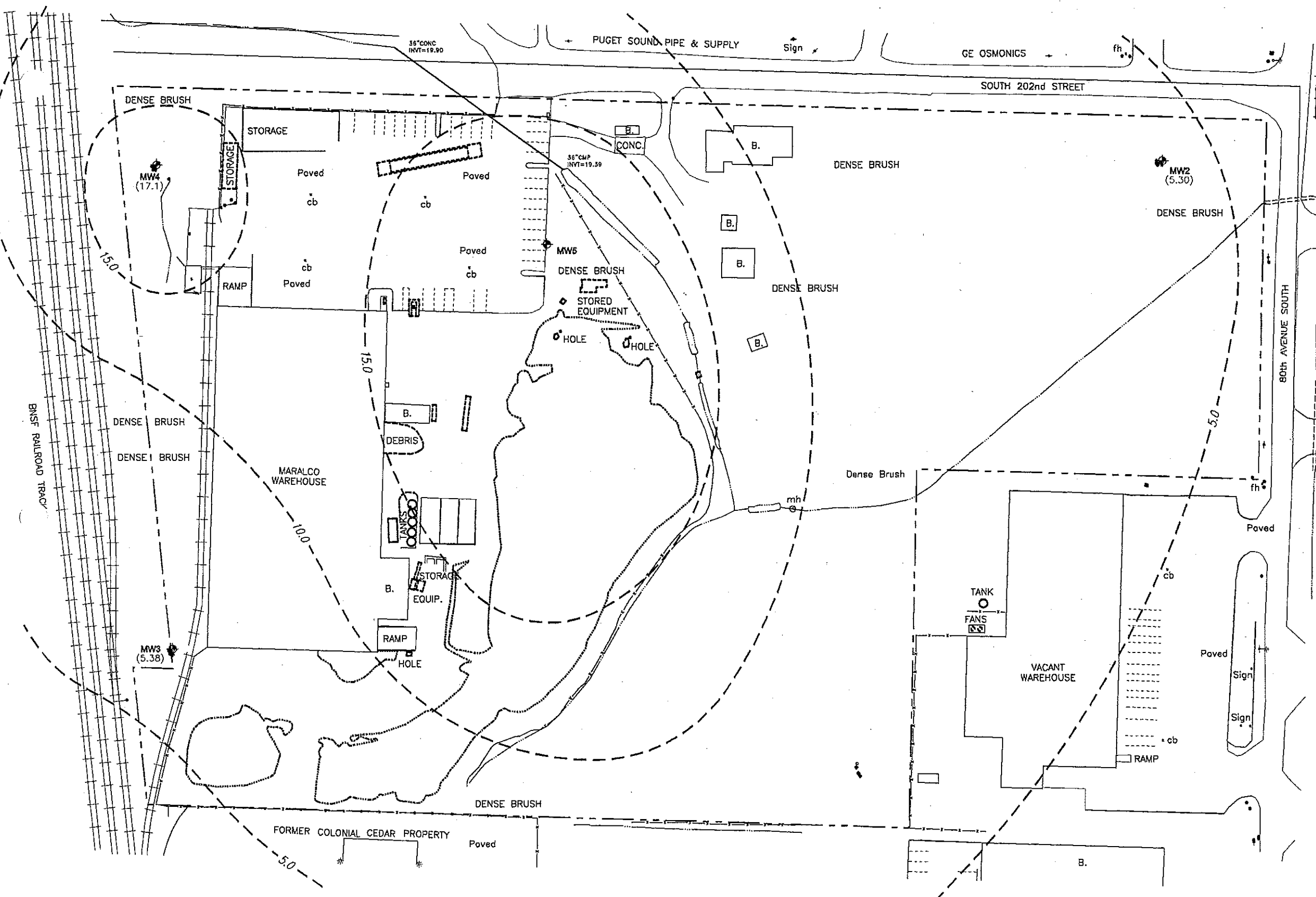
**EQUIPMENT USED**  
 NIKON DTM-520  
 RANGER 200T DATA COLLECTOR



MARALCO SITE - KENT, WASHINGTON  
 2003 CHLORIDE ISOCONCENTRATION MAP

Drawn By: KAM  
 Checked By: CNM  
 Project No: MARALCO 6070.001-1  
 File Name: MARALCO6070-1-153  
 Revision No.:  
 Date: 05/08/03  
 Scale: 1" = 90'-0"

**FIGURE**  
 4-3



**LEGEND**

- SUBJECT PROPERTY LINE BOUNDARY
- ..... DEROSS PILE LOCATION
- MW2 ◆ GROUNDWATER MONITORING WELL LOCATION
- - - ARSENIC CONCENTRATION CONTOUR (ug/L)
- (20.05) ARSENIC CONCENTRATION LEVEL (ug/L)

**NOTES**

ISOCONCENTRATION CONTOUR INTERVAL: 5 ug/L

**1990 SURVEY NOTE**

SURVEY COMPLETED BY HORTON DENNIS & ASSOC. INC. AND DEROSS AERIAL MAPPING

DATUM:  
 HORIZONTAL - CITY OF KENT SECTION BREAKDOWN  
 VERTICAL - N.O.V.D. FROM U.S.C.A.S. BAC-427 RESET  
 SITE B.M. ELEV 25.84  
 CHISELED SQUARE IN N.W. CORNER OF CONCRETE TRANSFORMER PAD NEAR N.E. CORNER OF LARGE BUILDING.

**2003 SURVEY NOTE**

SURVEY COMPLETED BY HOLMVIIG, DENWIT & ASSOCIATES, INC.

**BASIS OF BEARING**

NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 1, TOWNSHIP 22 NORTH, RANGE 4 EAST, W.M. IN KING COUNTY, WASHINGTON (PER DEED REC#B052920700)

**VERTICAL DATUM**

CITY OF KENT B#9238  
 CENTER BOLT OF FIRE HYDRANT IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF SOUTH 195TH STREET AND 81ST AVE SOUTH.  
 ELEV = 23.16 FEET

CITY OF KENT B#9272  
 NORTH BOLT ON FIRE HYDRANT ON THE WEST SIDE OF E.Y.M. IN FRONT OF THE BEANERY RESTAURANT.  
 ELEV = 26.77

**NOTES**

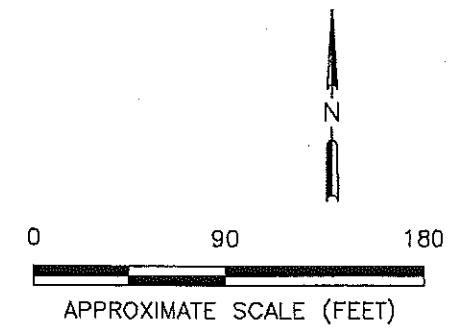
THIS SURVEY WAS PERFORMED BY FIELD TRAVERSE WITH THE FINAL RESULTS MEETING OR EXCEEDING THE CURRENT TRAVERSE STANDARDS CONTAINED IN W.A.C. 332-130-050.

THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE DOES NOT PURPORT TO SHOW ALL EASEMENTS OR RESTRICTIONS OF RECORD, IF ANY.

THE BOUNDARY CORNERS AND LINES DEPICTED ON THIS MAP REPRESENT DEED LINES ONLY. THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY A COURT OF LAW.

**EQUIPMENT USED**

NIKON DTM-520  
 RANGER 200T DATA COLLECTOR

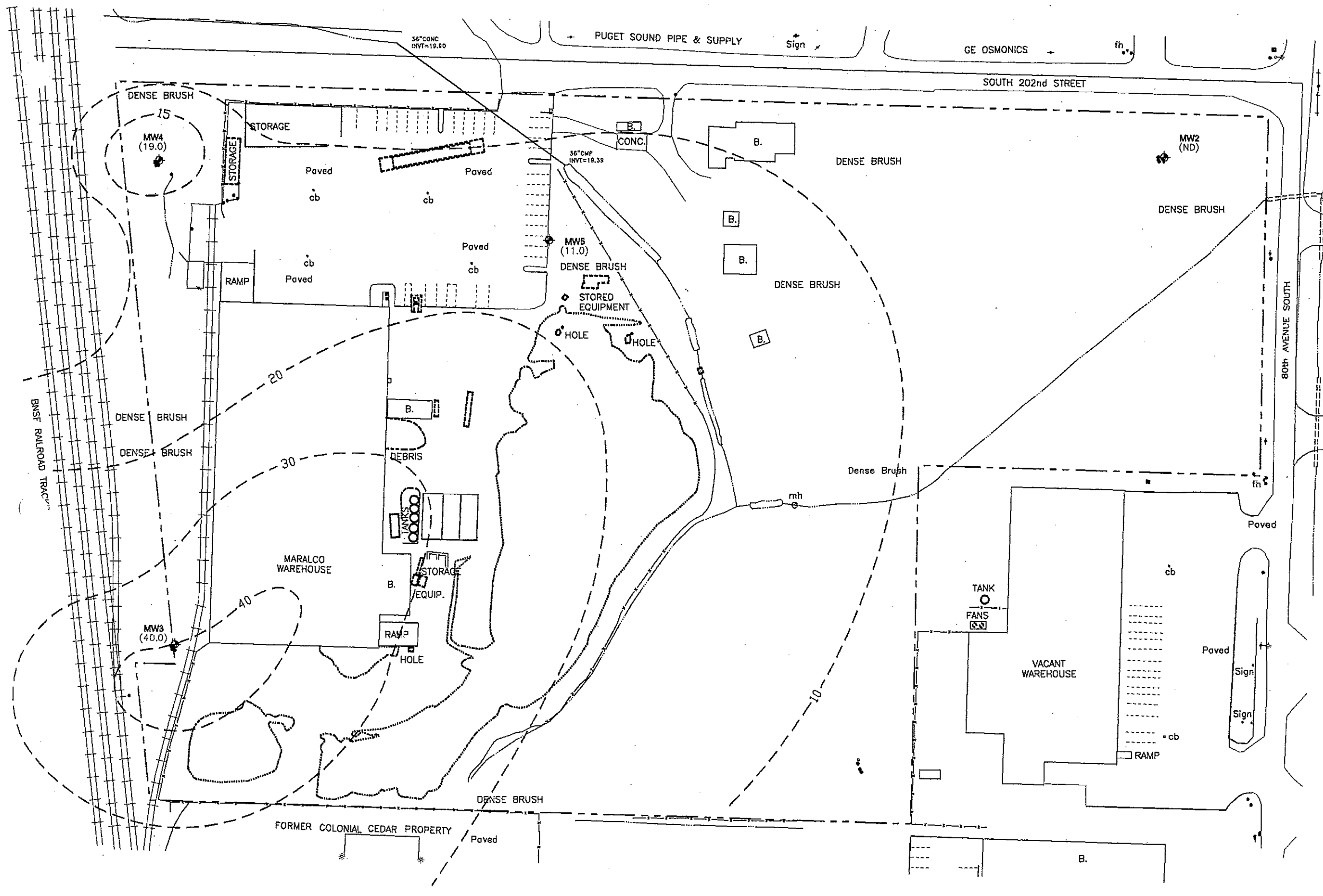


MARALCO SITE - KENT, WASHINGTON

1990 ARSENIC ISOCONCENTRATION MAP

Drawn By: KAM  
 Checked By: CNM  
 Project No: MARALCO 6070.001-1  
 File Name: MARALCO6070-1-154  
 Revision No:  
 Date: 05/08/03  
 Scale: 1" = 90'-0"

FIGURE  
4-4



- LEGEND**
- SUBJECT PROPERTY LINE BOUNDARY
  - ..... CROSS PILE LOCATION
  - MW2 ◆ GROUNDWATER MONITORING WELL LOCATION
  - ARSENIC ISOCONCENTRATION CONTOUR (ug/L)
  - (442) ARSENIC ISOCONCENTRATION LEVEL (ug/L)

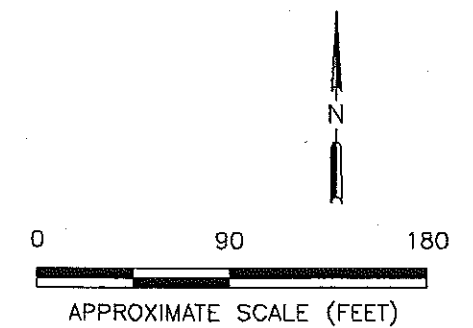
**1990 SURVEY NOTE**  
 SURVEY COMPLETED BY HORTON DENNIS & ASSOC. INC. AND DEGRESS AERIAL MAPPING  
 DATUM:  
 HORIZONTAL - CITY OF KENT SECTION BREAKDOWN  
 VERTICAL - N.G.V.D. FROM U.S.C.A.G.S. BMC-407 RESET  
 SITE B.M.: ELEV 25.64  
 CHISELED SQUARE IN N.W. CORNER OF CONCRETE TRANSFORMER PAD NEAR N.E. CORNER OF LARGE BUILDING.

**2003 SURVEY NOTE**  
 SURVEY COMPLETED BY HOLAPYD, DEWITT & ASSOCIATES, INC.  
**BASIS OF BEARING**  
 NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 1, TOWNSHIP 22 NORTH, RANGE 4 EAST, W.M., IN KING COUNTY, WASHINGTON (PER DEED REC#550229708)

**VERTICAL DATUM**  
 CITY OF KENT BM233  
 CENTER BOLT OF FIRE HYDRANT IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF SOUTH 195TH STREET AND 81ST AVE SOUTH.  
 ELEV = 23.18 FEET  
 CITY OF KENT BM272  
 NORTH BOLT ON FIRE HYDRANT ON THE WEST SIDE OF E.V.H. IN FRONT OF THE BEANERY RESTAURANT.  
 ELEV = 26.77

**NOTES**  
 THIS SURVEY WAS PERFORMED BY FIELD TRAVERSE WITH THE FINAL RESULTS MEETING OR EXCEEDING THE CURRENT TRAVERSE STANDARDS CONTAINED IN W.A.C. 332-130-020.  
 THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE DOES NOT PURPORT TO SHOW ALL EASEMENTS OR RESTRICTIONS OF RECORD, IF ANY.  
 THE BOUNDARY CORNERS AND LINES DEPICTED ON THIS MAP REPRESENT DEED LINES ONLY. THEY DO NOT PURPORT TO SHOW OWNERSHIP LINES THAT MAY OTHERWISE BE DETERMINED BY A COURT OF LAW.

**EQUIPMENT USED**  
 NIKON DTM-520  
 RANGER 200T DATA COLLECTOR



MARALCO SITE - KENT, WASHINGTON  
 2003 ARSENIC ISOCONCENTRATION MAP

Drawn By: KAM  
 Checked By: CNM  
 Project No: MARALCO 6070.001-1  
 File Name: MARALCO6070-1-155  
 Revision No:  
 Date: 05/08/03  
 Scale: 1" = 90'-0"

**FIGURE**  
 4-5

Plot Date:

Xrefs:



DATUM:  
 HORIZONTAL - CITY OF KENT SECTION BREAKDOWN  
 VERTICAL - N.G.V.D. FROM U.S.C. & G.S. 84-D-107 RESET  
 SITE B.M.: ELEV. 25.64  
 CHISELED SQUARE IN N.W. CORNER OF CONCRETE TRANSFORMER  
 PAD, NEAR W.E. CORNER OF LARGE BUILDING.



MARALCO SITE - KENT, WASHINGTON  
 1990 TOPOGRAPHIC 1' CONTOUR MAP

Drawn By: KAM  
 Checked By: CNM  
 Project No: MARALCO 6070.001-1  
 File Name: MARALCO6070-1-156  
 Revision No.:  
 Date: 05/07/03  
 Scale: AS SHOWN

FIGURE  
 4-6