

CONTRACT TYPE: Multiple Award, Multiple Year Task Order Contract for Dredging
 TASK ORDER No. 1
 PROJECT NAME: FY04 Maintenance Dredging at Saugatuck Harbor, Michigan

CONTRACTOR SHALL FURNISH ALL PLANT, LABOR, MATERIAL, EQUIPMENT, ETC. NECESSARY TO PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE TERMS AND CONDITIONS SET FORTH IN THE CONTRACT TO INCLUDE ALL ATTACHMENTS THERETO.

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	FY04 Maintenance Dredging at Saugatuck Harbor, Michigan Mobilization and Demobilization	1	LS	\$ _____	\$ _____
0002	Dredging - Saugatuck Harbor	24,000	Cubic Yard	\$ _____	\$ _____
TOTAL AMOUNT OF BID				\$ _____	

SCOPE OF WORK:

1. Mobilize dredge the Saugatuck Harbor Channel, and begin dredging between sta. 7+50W and 36+00E. Deposit the dredged material onto the placement site, beginning at a point 500 ft. south of the south breakwater, then extending 2,800 ft. southerly. Placement along the shoreline shall be as stated in SECTION 02482, paragraph 3.3.2 Government-Furnished Placement Area of the specifications. Demobilize when work is completed. See accompanying drawings.

2. Wage Rates for this Task Order shall be as specified in the basic Contract. Wage Decision IL030018, dated February 27, 2004.

3. The work for this task order shall conform to the contract specifications, this scope of work and the drawings identified on the following index:

FILE	DRAWING
Saugatuck Harbor, MI FY04 Maintenance Dredging Dredge Plan, Cross Section, Vicinity Map, Legend, Notes & Location Map	1
Saugatuck Harbor, MI FY04 Maintenance Dredging Dredge Plan	2

4. Generally, the survey information will be based on channel condition soundings collected in the winter or spring of the current dredging year. Final pay yardage will be determined by prior to dredging soundings and after dredging construction surveys. If agreeable to both the Government and the Contractor, condition surveys utilized for determining the task order bid quantities may be used as the prior to dredging construction soundings. Bench mark and horizontal control point detailed sheets for this task order are attached to this scope of work. An index of those sheets is provided on the plans and is as follows:

BAKER
BEACH
KAL
WALL
WALL 2

5. Performance Schedule: The work shall be completed no later than 25 calendar days after issuance of the Task Order. It is anticipated that a Task Order will be issued no later than 05 April 2004. No alternate period of performance is allowed.

6. The estimated overdepth for this task order is 8,500 Cubic Yards, and the estimated sideslope is 1,500 cubic yards.

7. The character of materials for this dredging work is as described in SECTION 02482 paragraph 1.3.1 Character of Materials in the contract specifications.

8. Tolerance Dimensions:

Side Slope Tolerance: 10 feet Horizontal
Shoal Tolerance : 0.5 feet Vertical

9. Special Project Procedures: There are no additional special project procedures, besides those identified in this scope of work, and the contract specifications.

10. Identify Equipment to be utilized for this task order:

SURVEY CONTROL DATA SHEET

STATION NAME KAL SHEET 1 NUMBER 4

PROJECT Saugatuck Harbor CHANNEL/REACH _____

QUAD Saugatuck NOAA CHART # 14906

CITY/TWP Saugatuck COUNTY Allegan STATE MI SEC 4 TWN 3 N RNG 16 W

MARKER TYPE Brass disk SET BY C.O.E. OFFICE/AGENCY N/A

DATE SET N/A ORIGIN OF CONTROL: HORIZ. NAD 83 VERT. N/A

HORIZONTAL

DATUM NAD 83 LATITUDE N 42-40-38.78120 LONGITUDE W 86-12-58.02000

X (E) 12626067.01 Y (N) 434551.23 (US FEET)

STATE Michigan PROJECTION Lambert ZONE South CODE MIS2113

AZIMUTH MARK

GRID AZMUTH

WALL 103-13-20.219 1284.45'

BEACH 69-11-23.072 997.41'

VERTICAL

ELEV. IN FEET: IGLD 55 583.31 IGLD 85 N/A NGVD N/A NGVD88 N/A

PROPERTY OWNER N/A ADDRESS NOTES N/A

DATE RECOVERY/REVISIONS/REMARKS BY:

September-97 Recovered in good condition as described Woolpert

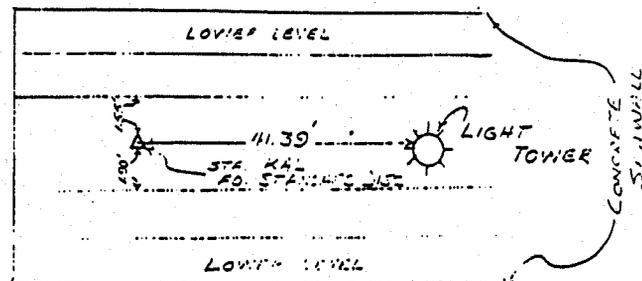
DESCRIPTION

Station KAL is a standard brass survey disk

set flush in concrete in the north breakwall

at the mouth of the Kalamazoo River

LAMP. MONITOR



FLOW
KALAMAZOO RIVER

SURVEY CONTROL DATA SHEET

STATION NAME BAKER SHEET 1 NUMBER 4

PROJECT Saugatuck Harbor CHANNEL/REACH _____

QUAD Saugatuck NOAA CHART # 14906

CITY/TWP Saugatuck COUNTY Allegan STATE MI SEC 4 TWN 3 N RNG 16 W

MARKER TYPE Brass disk SET BY C.O.E. OFFICE/AGENCY N/A

DATE SET N/A ORIGIN OF CONTROL: HORIZ. NAD 83 VERT. N/A

HORIZONTAL

DATUM NAD 83 LATITUDE N 42-40-35.21521 LONGITUDE W 86-12-48.43700

X (E) 12626774.70 Y (N) 434174.62 (US FEET)

STATE Michigan PROJECTION Lambert ZONE South CODE MIS2113

AZIMUTH MARK

GRID AZMUTH

WALL 2 95-08-46.526 1581.44'

VERTICAL

ELEV. IN FEET: IGLD 55 N/A IGLD 85 N/A NGVD N/A NGVD88 N/A

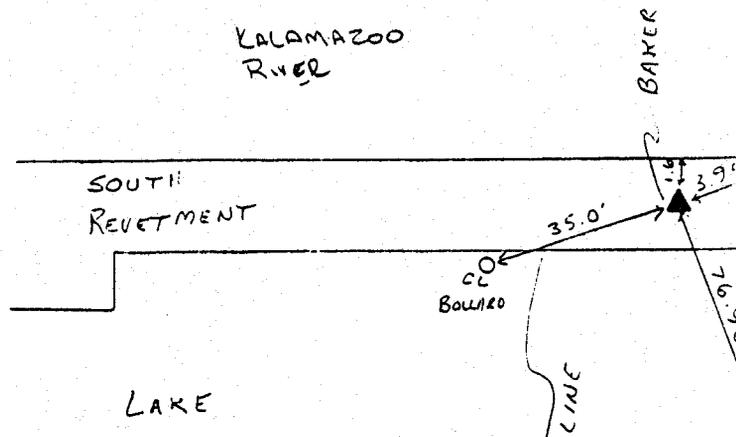
PROPERTY OWNER N/A ADDRESS NOTES N/A

DATE RECOVERY/REVISIONS/REMARKS BY:

September-97 Recovered in good condition as described Woolpert

DESCRIPTION

Station BAKER is a standard brass survey
disk set in concrete near the center of the
south revetment wall approx 30' north of the
Michigan Lake shoreline



SURVEY CONTROL DATA SHEET

STATION NAME WALL SHEET 1 NUMBER 4

PROJECT Saugatuck Harbor CHANNEL/REACH _____

QUAD Saugatuck NOAA CHART # 14906

CITY/TWP Saugatuck COUNTY Allegan STATE MI SEC 4 TWN 3 N RNG 16 W

MARKER TYPE Brass disk SET BY C.O.E. OFFICE/AGENCY N/A

DATE SET N/A ORIGIN OF CONTROL: HORIZ. NAD 83 VERT. N/A

HORIZONTAL

DATUM NAD 83 LATITUDE N 42-40-36.15061 LONGITUDE W 86-12-41.19724

X (E) 12627317.41 Y (N) 434257.44 (US FEET)

STATE Michigan PROJECTION Lambert ZONE South CODE MIS2113

AZIMUTH MARK

GRID AZMUTH

WALL 2 102-16-39.461 1056.52'

KAL 283-13-20.219 1284.45'

VERTICAL

ELEV. IN FEET: IGLD 55 N/A IGLD 85 N/A NGVD N/A NGVD88 N/A

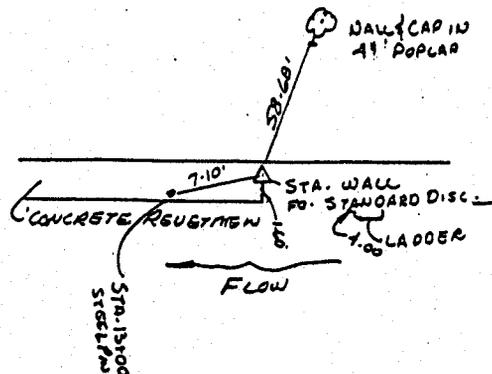
PROPERTY OWNER N/A ADDRESS NOTES N/A

DATE **RECOVERY/REVISIONS/REMARKS** **BY :**

September-97 Recovered in good condition as described Woolpert

DESCRIPTION

Station WALL is a standard brass survey disk
set flush in concrete in the north revetment
wall of the Kalamazoo River



SURVEY CONTROL DATA SHEET

STATION NAME BEACH SHEET _____ NUMBER 4

PROJECT Saugatuck Harbor CHANNEL/REACH _____

QUAD Saugatuck NOAA CHART # 14906

CITY/TWP Saugatuck COUNTY Allegan STATE MI SEC 4 TWN 3 N RNG 16 W

MARKER TYPE Brass Disk SET BY Woolpert OFFICE/AGENCY Dayton

DATE SET September-97 ORIGIN OF CONTROL: HORIZ. NAD 83 VERT. N/A

HORIZONTAL

DATUM NAD 83 LATITUDE N 42-40-42.48299 LONGITUDE W 86-12-45.64472

X (E) 12626999.35 Y (N) 434905.58 (US FEET)

STATE Michigan PROJECTION Lambert ZONE South CODE MIS2113

AZIMUTH MARK

GRID AZMUTH

KAL

249-11-23.072 997.41'

VERTICAL

ELEV. IN FEET: IGLD 55 N/A IGLD 85 N/A NGVD N/A NGVD88 N/A

PROPERTY OWNER N/A ADDRESS NOTES N/A

DATE RECOVERY/REVISIONS/REMARKS BY:

N/A

N/A

N/A

DESCRIPTION

Station BEACH is a standard brass survey

disk set in concrete flush with the ground

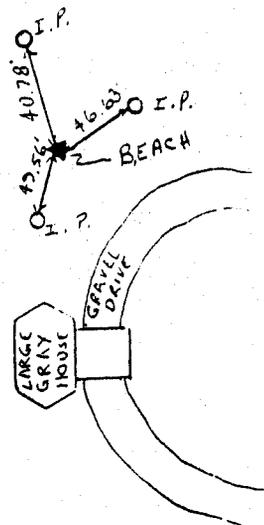
approx 500' north of north revetment wall

beyond a gray house just east of Michigan

Lake shoreline

LAKE MICHIGAN

SHORELINE



SURVEY CONTROL DATA SHEET

STATION NAME WALL 2 SHEET _____ NUMBER 4

PROJECT Saugatuck Harbor CHANNEL/REACH _____

QUAD Saugatuck NOAA CHART # 14906

CITY/TWP Saugatuck COUNTY Allegan STATE MI SEC 4 TWN 3 N RNG 16 W

MARKER TYPE Brass Disk SET BY Woolpert OFFICE/AGENCY Dayton

DATE SET September-97 ORIGIN OF CONTROL: HORIZ. NAD 83 VERT. N/A

HORIZONTAL

DATUM NAD 83 LATITUDE N 42-40-34.15497 LONGITUDE W 86-12-27.31359

X (E) 12628349.77 Y (N) 434032.77 (US FEET)

STATE Michigan PROJECTION Lambert ZONE South CODE MIS2113

AZIMUTH MARK

GRID AZMUTH

WALL

282-16-39.461 1056.52'

VERTICAL

ELEV. IN FEET: IGLD 55 N/A IGLD 85 N/A NGVD N/A NGVD88 N/A

PROPERTY OWNER N/A ADDRESS NOTES N/A

DATE **RECOVERY/REVISIONS/REMARKS** **BY:**

N/A

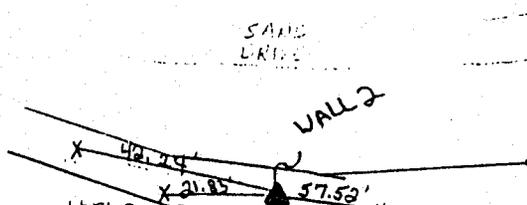
N/A

N/A

DESCRIPTION

Station WALL 2 is a standard brass survey
disk set flush in the north concrete wall near
the east edge just south of Sand Drive

Sketch:



EROMVE
SCAT
P...

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