U-856.6-RMP	USAF Site	MN/Hennepin/Mpls	City of Minneapolis
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was not selected by GREAT I. There was no RRF endorsement prior to the CMMP. GREAT selected sites U.02 (3 acres) and U.03 (7 acres). The city of Minneapolis is the local sponsor for the upper pool navigation project and is responsible for providing placement sites for dredged material. This includes acquiring all real estate and regulatory permits/agreements required. They have furnished the USAF site in lieu of the GREAT selected sites. No Reconnaissance Report has been completed.

Site Characteristics:

This site is a 100% upland site which has been used for hydraulic and mechanical dredged material placement in the past.

Site Dimensions:

Area = 7 acres. The area is 900 feet by 340 feet. Pre-Fill Elevation = 812.0. Maximum Fill Elevation = 837.0. LCP Elevation = 796.5. Estimated Capacity = 200,000 cubic yards.

Beneficial Use:

A stockpile exists and access is excellent. Although the site is owned by the city of Minneapolis it is managed by the leasee, River Services Inc., and any removal of material must have their consent. Beneficial use has been excellent in the past and since the city of Minneapolis is not likely to acquire a new site, it is estimated that all material placed at this site will be removed for beneficial use. The city of Minneapolis is responsible for promoting removal.

Equipment Requirments/Limitations:

The site is accessible to both a small hydraulic dredge and mechanical dredging equipment. The Corps dredge Dubuque has been successfully used in the past at this location.

Special Conditions/Restrictions:

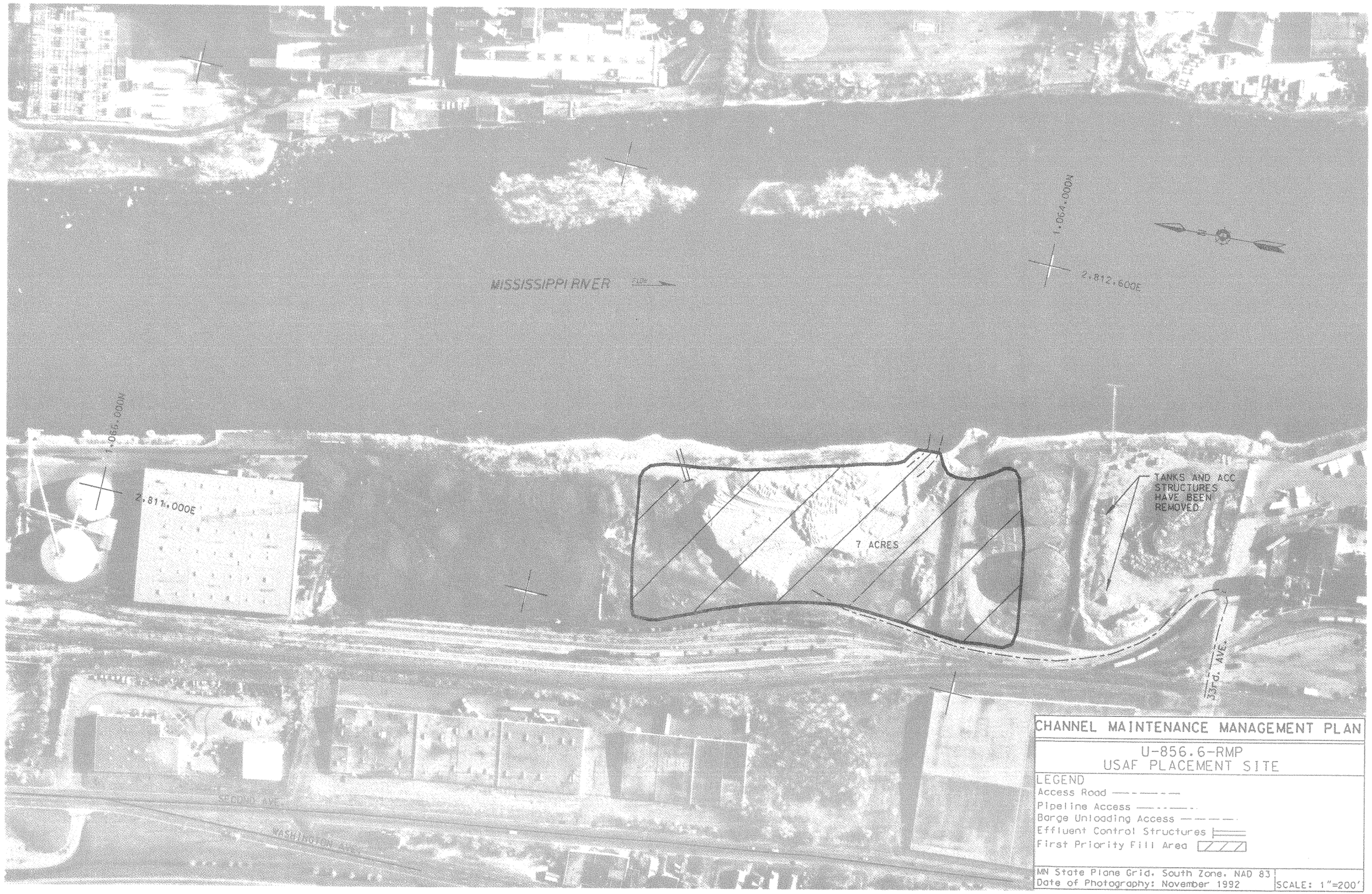
The city of Minneapolis is planning to remove the over-head power lines at this site to allow a higher stockpile height. Until the power lines are removed, caution should be used. Berming and drop structures are required to contain the material if hydraulic placement methods are used.

Future Plans:

Continue to promote the beneficial use removal from this site. Notify the city of Minneapolis in advance of dredging to insure that the site is ready for placement.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further anaylsis necessary
☑ NEPA	Covered by O&M, EIS
☐ Real Estate	Renew permit with MPLS every 5 years
☐ State	MPCA certification if effluent return
☐ 404(b)(1) Evaluatoin	Long term 404(b)(1) proposed
Other: Mpls. Noise ord.	Required to obtain per event

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Mpls. Turning Basin	856.8-857.6	M,H	2000	50-200	2050-2200	15-40
Abv. Lowry Ave. Br.	856.4-856.8	M,H	1000	50-200	1050-1200	15-40
Abv. & Blw. Broadway Br.	855.5-856.1	M	5000	50-200	5050-5200	15-40
Abv. Plymouth Ave. Bridge	854.8-855.5	M	8000	50-300	8050-8200	15-40


MISSISSIPPI RIVER
FLOW
1,064,000N
2,812,600E
1,066,000N
2,811,000E
7 ACRES
TANKS AND ACC STRUCTURES HAVE BEEN REMOVED
33rd. AVE.
SECOND AVE.
WASHINGTON AVE.
CHANNEL MAINTENANCE MANAGEMENT PLAN
U-856.6-RMP
USAF PLACEMENT SITE
LEGEND
Access Road
Pipeline Access
Barge Unloading Access
Effluent Control Structures
First Priority Fill Area
MN State Plane Grid. South Zone. NAD 83
Date of Photography: November 1992
SCALE: 1"=200'

1-853.2-LMP	Pool 1 Site	MN/Hennepin/Mpls	City of Minneapolis
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was not selected by GREAT I (Site No. 1.01A). This site was endorsed by the RRF on 6 March 1984 (Proposed by Corps - Pool 1 Plan). GREAT selected 3.5 acres of upland at site 1.01. The Corps determined that the GREAT selected sites were justified and that implementation should begin. New permanent site 1.01A and use of temporary sites 1.03T and 1.07T were recommended by the city of Minneapolis and the Corps due to complications with use of site 1.01 and 1.02T. This is the primary site for all material dredged in Pool 1. Retaining walls were constructed by the Corps in 1986. Details are provided in the Pool 1 Plan dated October 1985.

Site Characteristics:

It is an upland parcel situated beneath and between the I-35W and 10th Avenue bridges. The area has been used in the past by the University of Minnesota for storage of fly ash. The only practical means of placement are mechanical due to the distance of the cuts to the site and the small size of the placement site.

Site Dimensions:

Area = 2 acres. The area is 320 feet by 250 feet. Pre-Fill Elevation = 745.0. Maximum Fill Elevation = 780.0. LCP Elevation = 722.8. Estimated Capacity = 70,000 cubic yards.

Beneficial Use:

A stockpile does exist and access is excellent. However, the city of Minneapolis owns the site and any removal must be done with their consent. It is expected that the entire 40 year dredging projection (3,034,000 cubic yards) will be used beneficially.

Equipment Requirments/Limitations:

No material should be placed higher than the reinforcing cap on the 35W bridge piers. Avoid placing around the piers unless necessary to accommodate large quantities. If placing material around the piers, it should be placed around them evenly.

Special Conditions/Restrictions:

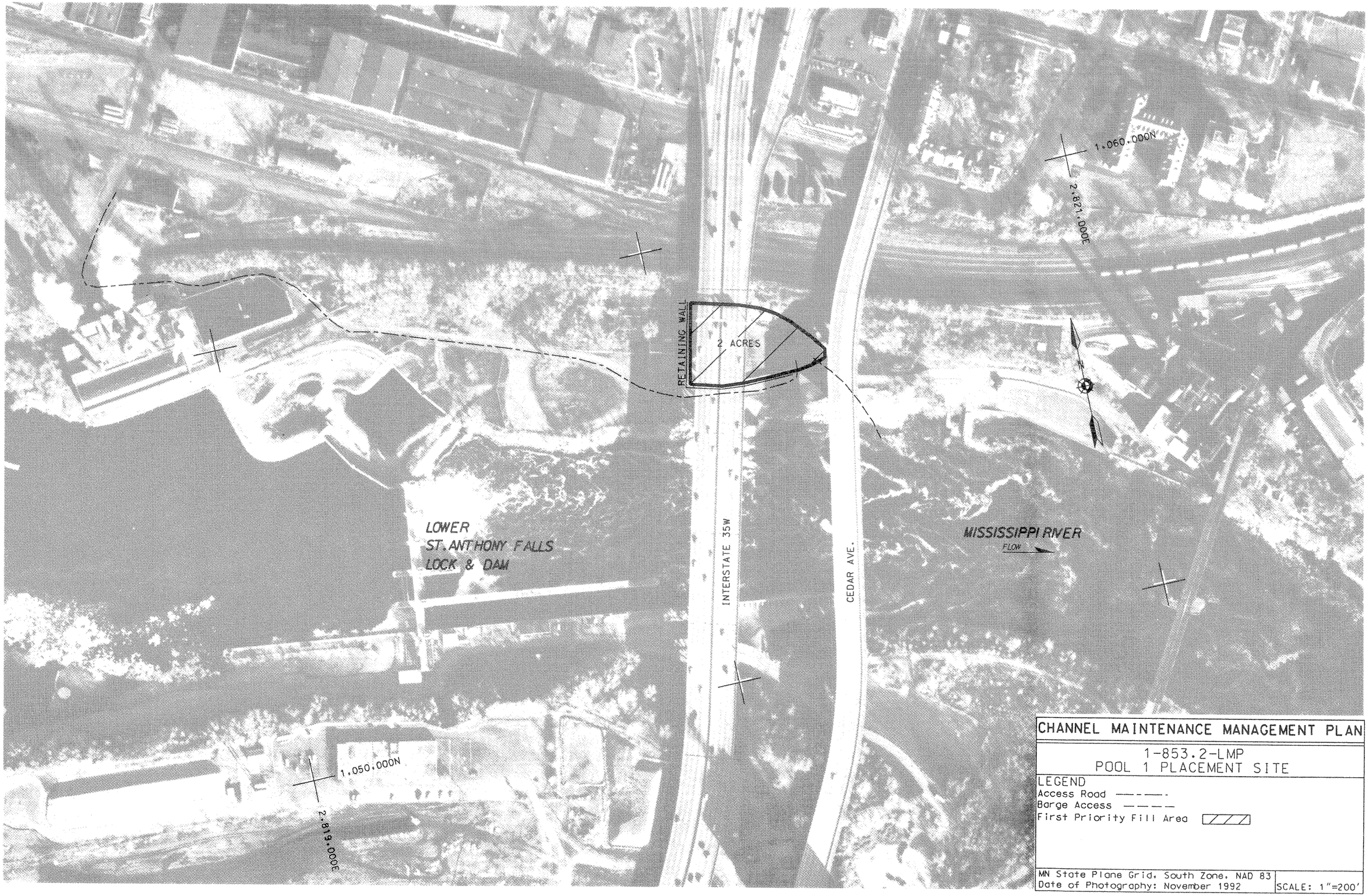
As per agreement on 7 October 1985, the city of Minneapolis is responsible for the removal of material from this site. The District is responsible for maintaining the retaining walls, unloading area, and any other structures for off-loading barges. Agreement takes care of need for DMP real estate permit.

Future Plans:

The Corps will continue to use this site and it will be maintained as a beneficial use site as long as there is capacity or until the city of Minneapolis furnishes another site.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	Review completed 03/25/84
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Long term EA from 03/25/85-2025
☑ Real Estate	Provided by City of MPLS in perpetuity
☑ State	General Permit with MDNR and MPCA
☑ 404(b)(1) Evaluatoin	None required if no effluent return
Other: Mpls. Noise ord.	Required to obtain per event.

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
All cuts in Pool 1	Varies	M	Varies	70-350	Varies	22-57


RETAINING WALL
2 ACRES
1,060,000N
2,821,000E
LOWER
ST. ANTHONY FALLS
LOCK & DAM
INTERSTATE 35W
CEDAR AVE.
MISSISSIPPI RIVER
FLOW
1,050,000N
2,819,000E
CHANNEL MAINTENANCE MANAGEMENT PLAN
1-853.2-LMP
POOL 1 PLACEMENT SITE
LEGEND
Access Road
Barge Access
First Priority Fill Area
MN State Plane Grid, South Zone, NAD 83
Date of Photography: November 1992
SCALE: 1"=200'

1-851.3-LME	Below Franklin Ave.	MN/Hennepin/Mpls	Mpls. Park & Rec. Board
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 1.07T, Reference GREAT I Vol. 8-Part II). This site was endorsed by the RRF on 6 March 1984 (proposed by Corps - Pool 1 Plan). GREAT selected 11.5 acres at this site. The Corps and the city of Minneapolis recommended use of the permanent site 1.01A and sites 1.03T and 1.07T due to complications with use of GREAT selected sites 1.01 and 1.02T. The Corps pre-excavated the site in 1986. This site will be used if there is no remaining capacity at site 1-853.2-LMP (Pool 1 Site) or if emergency/imminent closure dredging is required. Details are provided in the Pool 1 Plan dated October 1985.

Site Characteristics:

Previously used site which is presently unvegetated. It is an upland site located in the floodplain and within the floodway.

Site Dimensions:

Area = 5 acres. The area is 860 feet by 235 feet. Excavated 17,800 cubic yards Pre-Fill Elevation = 735.0. Maximum Fill Elevation = 755.0. LCP Elevation =722.8 Estimated Capacity = 85,000 cubic yards.

Beneficial Use:

There will be no beneficial use of material at this site, unless relocated to a beneficial use stockpile site.

Equipment Requirments/Limitations:

Accessible to hydraulic and mechanical dredging

Special Conditions/Restrictions:

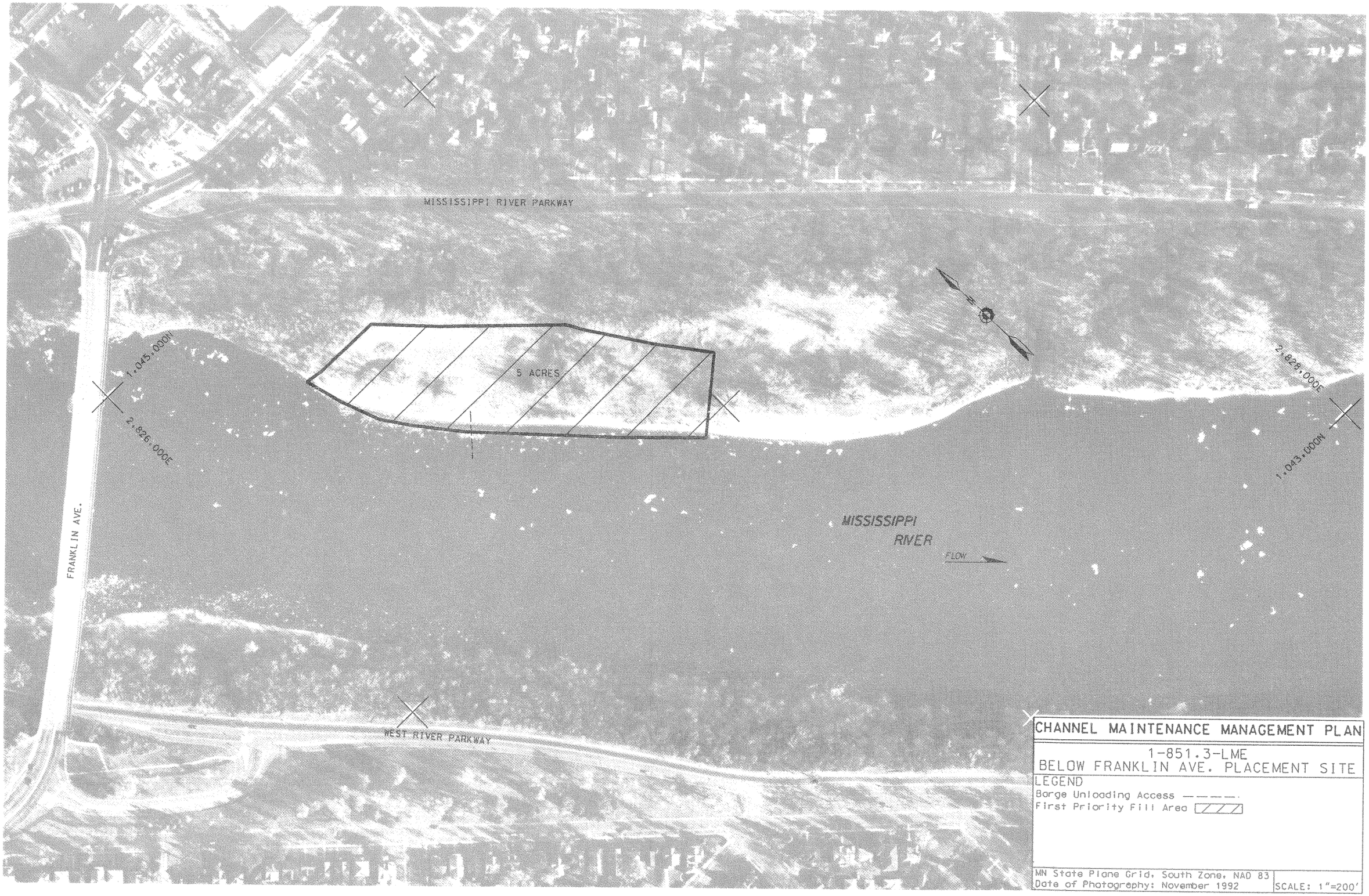
Material must be protected against erosion and will be removed and transferred to a permanent site by the following spring high water or as soon as possible under time and/or equipment limitations but not to exceed two years from the time of emergency placement and before the placement of any additional material, unless another mutually agreeable plan of action is reached with the appropriate regulatory agencies. As per agreement on 7 October 1985 the city of Minneapolis is responsible for removal of material if this site is used and there is no capacity at site 1-853.2-LMP (Pool 1 Site). Otherwise, the District is responsible for removal. More information is available in the Pool 1 plan.

Future Plans:

At this time, there are no plans to use the site, except for emergency/imminent closure purposes.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No actoin required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Long-term EA from 03/25/85-2025
☑ Real Estate	Provided by City of MPLS in perpetuity
☑ State	General permit with MDNR and MPCA
☐ 404(b)(1) Evaluatoin	Long-term 404(b)(1) proposed
Other: Mpls. Noise ord.	Required to obtain per event

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Abv.Franklin Ave.Bridge	851.6-853.4	H	3700	50-300	3750-4000	2-32
Blw. Franklin Ave.Bridge	850.7-851.4	H	200	50-300	250-500	2-32



CHANNEL MAINTENANCE MANAGEMENT PLAN

1-851.3-LME
BELOW FRANKLIN AVE. PLACEMENT SITE

LEGEND
Barge Unloading Access
First Priority Fill Area

MN State Plane Grid, South Zone, NAD 83
Date of Photography: November 1992

SCALE: 1"=200'

1-849.5-RME	Below Lake Street	MN/Hennepin/Mpls	Mpls. Park & Rec. Board
Site Identification	Site Name	State/County/Municipality	Landowner

Background:

This site was selected by GREAT I (Site No. 1.03T, Reference GREAT I Vol. 8-Part II). This site was endorsed by the RRF on 6 March 1984 (Proposed by Corps -Pool 1 Plan). GREAT selected 6 acres at this site. The Corps and the city of Minneapolis recommended use of the permanent site 1.01A and sites 1.03T and 1.07T due to complications with use of GREAT selected sites 1.01 and 1.02T. The Corps pre-excavated the site in 1986. This site will be used if there is no remaining capacity at site 1-853.2-LMP (Pool 1 site) or if emergency/imminent closure dredging is required. Details are provided in the Pool 1 Plan dated October 1985.

Site Characteristics:

Previously used site which is presently unvegetated. It is an upland site located in the floodplain and within the floodway.

Site Dimensions:

Area = 4 acres. The area is 1000 feet by 175 feet. Excavated 17,700 cubic yards Pre-Fill Elevation = 730.0. Maximum Fill Elevation = 755.0. LCP Elevation = 722.8. Estimated Capacity = 60,000 cubic yards.

Beneficial Use:

There will be no beneficial use of material at this site, unless relocated to a beneficial use stockpile.

Equipment Requirments/Limitations:

Accessible to hydraulic and mechanical dredging.

Special Conditions/Restrictions:

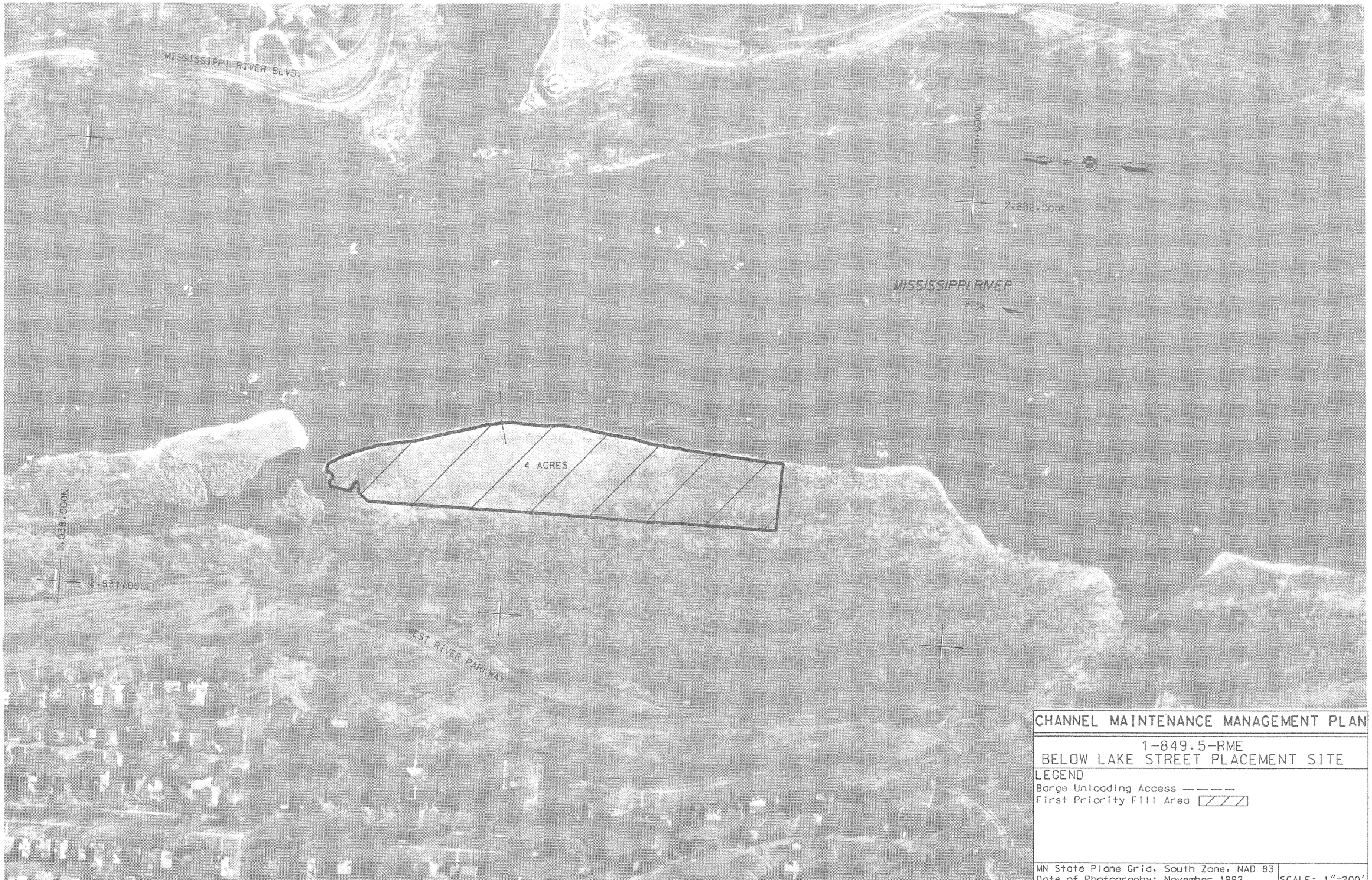
Material must be protected against erosion and will be removed and transferred to a permanent site by the following spring high water or as soon as possible under time and/or equipment limitations but not to exceed two years from the time of emergency placement and before the placement of any additional material, unless another mutually agreeable plan of action is reached with the appropriate regulatory agencies. As per agreement on 10/07/85, the city of Minneapolis is responsible for removal of material if this site is used and there is no capacity at site 1-583.2-LMP (Pool 1 site). Otherwise, the District is responsible for removal. More information is available in the Pool 1 plan.

Future Plans:

At this time, there are no plans to use the site, except for emergency/imminent closure purposes.

Permits/Approval Checklists:	Remarks:
☑ Cultural Resources	No action required
☑ Endangered Species	None found at this site
☑ Floodplain Impact Analysis	No further analysis necessary
☑ NEPA	Long-term EA from 03/25/85-2025
☑ Real Estate	Provided by city of MPLS in perpetuity
☑ State	General permit with MDNR and MPCA
☐ 404(b)(1) Evaluatoin	Long-term 404(b)(1) proposed
Other: Mpls. Noise ord.	Required to obtain per event

Potential Dredge Cuts:		Dredge Type	Pipeline Distance			
Name	Mile		Water	Land	Total	Lift
Above Lake St. Bridge	849.9-850.5	H	3700	50-300	3750-4000	7-32
Below Lake St. Bridge	848.9-849.9	H	1100	50-300	1150-1400	7-32



CHANNEL MAINTENANCE MANAGEMENT PLAN

1-849.5-RME
BELOW LAKE STREET PLACEMENT SITE

LEGEND
Barge Unloading Access — — — —
First Priority Fill Area

MN State Plane Grid, South Zone, NAD 83
Date of Photography: November 1992

SCALE: 1"=200'