## GENERAL PROJECT NOTES

1. ACCESS TO SITE IS BY RIVER ONLY. NO LAND ACCESS IS AVAILABLE.
2. THE ENTIRE PROJECT SITE IS WITHIN THE RIVER AND IS THEREFORE HIGHLY SUSCEPTIBLE TO FLOODING AND RIVER STAGE FLUCTUATIONS THAT MAY IMPACT CONTRACTOR WORK PROGRESS. SEE HYDROGRAPHS IN SPECIFICATIONS.
3. TOPOGRAPHICAL CONTOURS AND SITE ELEVATIONS DEPICTED ON THESE DRAWINGS WERE DEVELOPED FROM AERIAL PHOTOGRAPHY AND SURVEY DATA COLLECTED OVER A NUMBER OF YEARS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL ACTUAL ELEVATIONS.
4. THE LAYOUT OF THE PROJECT FEATURES AS SHOWN SHALL BE FIELD STAKED BY THE CONTRACTOR AND APPROVED BY THE CONTRACTING OFFICER PRIOR TO CONSTRUCTION.
5. THE GOVERNMENT RESERVES THE RIGHT TO MAKE MINOR ADJUSTMENTS TO ANY OF THE PROJECT ALIGNMENTS
6. ALL ELEVATIONS ARE REFERENCED TO MEAN SEAL LEVEL 1912 (MSL 1912).
7. THE MAJORITY OF SUNFISH LAKE IS A STUMP FIELD. DUE CONSIDERATION MUST BE GIVEN TO THE DIFFICULTIES OF NAVIGATING AND DREDGING IN SUCH CONDITIONS.
8. WATER DEPTHS IN THE PROJECT AREA VARY FROM 0 - 2.5 METERS, AT FLAT POOL ELEVATION. THE AVERAGE DEPTH IS APPROXIMATELY 1 METER. FLOATING PLANT ACCESS TO THE PROJECT AREA MAY REQUIRE DREDGING.

## SUNFISH LAKE CHANNEL EXCAVATION NOTES

1. THE ESTIMATED CAPACITY OF THE CDF, ALLOWING FOR 1.6 METERS OF FREEBOARD, IS APPROXIMATELY 100,000 CUBIC METERS. THE ESTIMATED QUANTITY OF MATERIAL TO BE EXCAVATED FROM ALIGNMENTS D-M IS APPROXIMATELY 80,000 CUBIC METERS. THE CONTRACTOR'S CHANNEL EXCAVATION PLAN MUST ADDRESS HOW EFFLUENT WATER QUALITY STANDARDS WILL BE MET, GIVING CONSIDERATION TO THE CAPACITY OF THE DISPOSAL FACILITY AND THE AMOUNT OF MATERIAL TO BE DREDGED. IF NECESSARY, THE PLAN MAY INCLUDE, BUT NOT BE LIMITED TO: ALTERNATING PERIODS OF DREDGING AND DECANTING; ADDITION OF CHEMICAL FLOCCULANTS; BUCKET/AUGER DREDGING; AND/OR DE-WATERING OF SEDIMENTS.
2. THE CONTRACTOR MUST MAINTAIN AT LEAST 1 METER OF FREEBOARD ABOVE THE WATER SURFACE IN THE CDF AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY THE CONTRACTING OFFICER.

## GOALS

THE GOALS OF THE SUNFISH LAKE HABITAT REHABILITATION AND ENHANCEMENT PROJECT (HREP) ARE TO:
1. RESTORE BACKWATER HABITAT BY REDUCING SEDIMENTATION, AND PROVIDING PROTECTION AGAINST WIND-INDUCED WAVE FORCES THAT CAUSE SEDIMENT RESUSPENSION.
2. CREATE DEEP WATER AQUATIC HABITAT.

## SUNFISH LAKE OBJECTIVES

THE OBJECTIVES OF THE PROJECT ARE TO:
1. CONSTRUCT A 1568-METER EMBANKMENT TO DEFLECT RIVER FLOWS AWAY FROM THE SUNFISH LAKE AREA AND BREAK UP WIND-INDUCED WAVES.
2. CONSTRUCT A 10-HECTARE SYSTEM OF DEEP-WATER CHANNELS FOR FISH HABITAT.

## MUD LAKE OBJECTIVES

THE OBJECTIVES OF THE PROJECT ARE TO:
1. CONSTRUCT A 2965-METER EMBANKMENT TO DEFLECT RIVER FLOWS AWAY FROM THE SUNFISH LAKE AREA AND BREAK UP WIND-INDUCED WAVES.
2. CONSTRUCT A 8.8-HECTARE SYSTEM OF DEEP-WATER CHANNELS FOR FISH HABITAT.

## SCOPE OF WORK

1. THE SCOPE OF WORK GENERALLY CONSISTS OF, BUT MAY NOT BE LIMITED TO:
   - A. EMBANKMENT CONSTRUCTION, WITHIN THE RIVER, USING MECHANICALLY EXCAVATED RIVERBED MATERIAL
   - B. CHANNEL EXCAVATION AND DISPOSAL OF MATERIAL IN THE CONFINED DISPOSAL FACILITY (CDF) ACCOMPLISHED BY HYDRAULIC DREDGING OR OTHER APPROVED METHOD
   - C. RIPRAP PLACEMENT
   - D. SEEDING

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED | 27JUL04 | JRP/REH |

Revisions

Designed By: RTN
Date: 21 SEP.2002
Drawn By: SDB
Scale: AS SHOWN
Checked By: MJA
Drawing Code: EP66
Reviewed By: DJH
Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**PROJECT DESCRIPTION**

Sheet Reference Number:

**PLATE 1**

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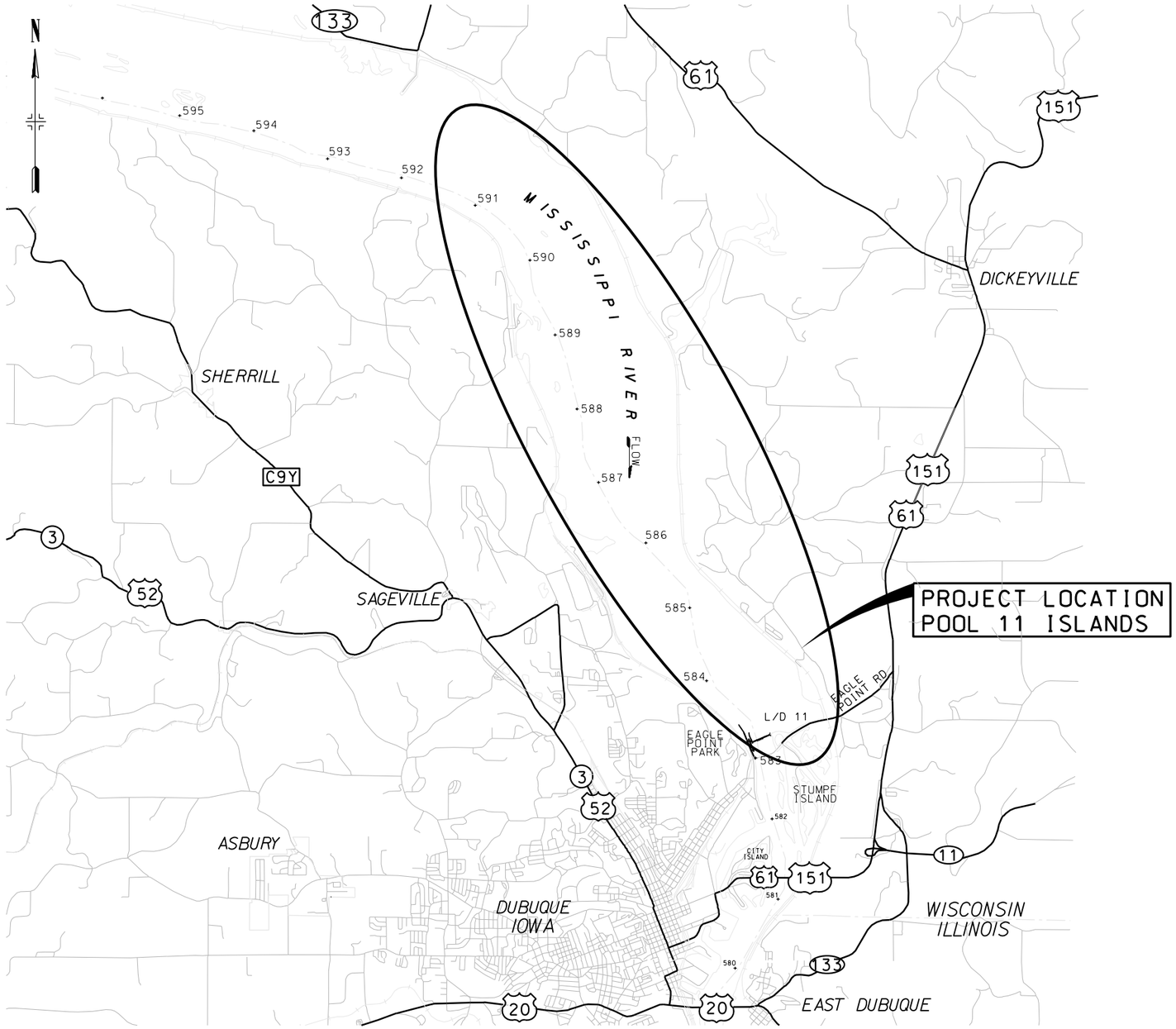
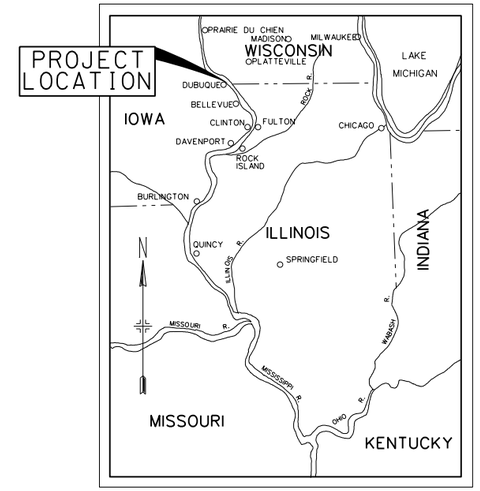



LOCATION PLAN

1 Km 0 1 Km
SCALE




VICINITY MAP

40 0 40 80 120
SCALE IN KILOMETERS

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

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Rock Island District

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|---|---|---|---|
| 1 | AS CONSTRUCTED | 27 JUL 04 | RP/REH |

Revisions

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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**LOCATION PLAN AND VICINITY MAP**

Sheet Reference Number:
**PLATE 2**

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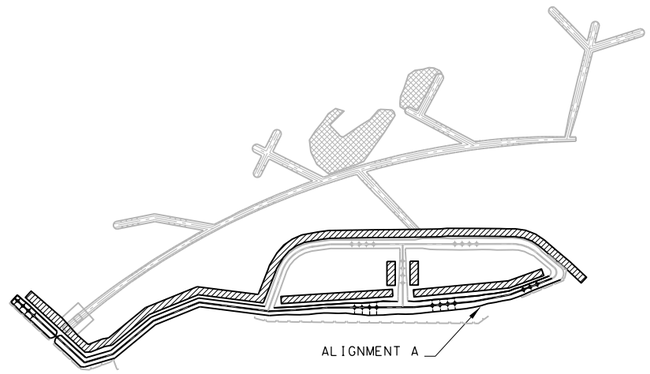
## CONSTRUCTION FEATURES

THE FOLLOWING PROVIDES A BRIEF DESCRIPTION OF THE MAJOR PROJECT FEATURES. IT IS NOT NECESSARILY A CONSTRUCTION SEQUENCE.

### FEATURE: DEFLECTION EMBANKMENT

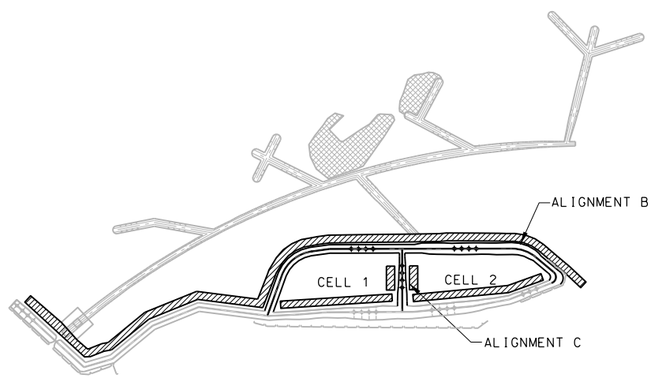
(ALIGNMENT A) CONSTRUCT DEFLECTION EMBANKMENT USING ADJACENT BORROW FROM RIVER BED.




BORINGS INDICATE THE RIVERBED CONSISTS PRIMARILY CLAYS. THE COMPOSITION OF THE MATERIAL REQUIRES THAT EXCAVATION AND PLACEMENT BE ACCOMPLISHED MECHANICALLY. USING A 3 CUBIC METER BUCKET (MINIMUM), TO MAINTAIN IN-SITU SOIL STRENGTH.

### FEATURE: CONFINED DISPOSAL FACILITY

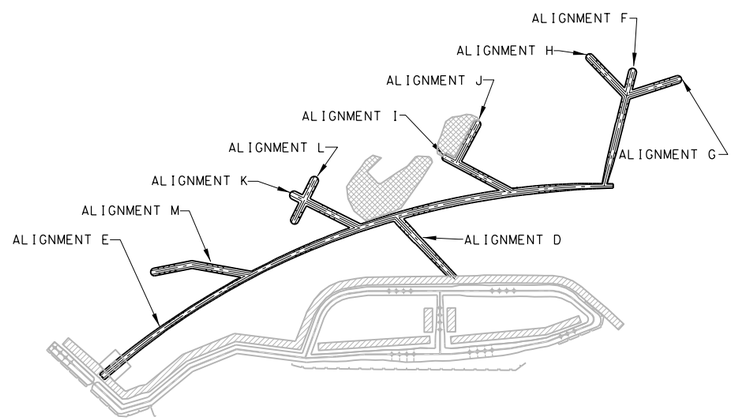
(ALIGNMENTS B & C) CONSTRUCT A TWO- CELL CONFINED DISPOSAL FACILITY (CDF) USING ADJACENT BORROW FROM THE RIVERBED.




EMBANKMENT FOR THE CDF MUST ALSO BE PLACED MECHANICALLY USING A 3 CUBIC METER BUCKET (MINIMUM).

### FEATURE: DEEP WATER FISH HABITAT

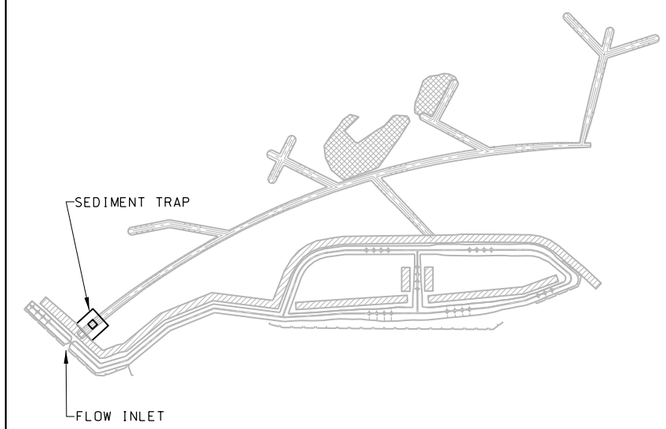
CONSTRUCT A SYSTEM OF DEEP-WATER CHANNELS FOR FISH HABITAT.




THE EXCAVATED CHANNEL RESULTING FROM EMBANKMENT BORROW OPERATIONS (ALIGNMENTS A & B) WILL PROVIDE APPROXIMATELY 3.8 HECTARES OF FISH HABITAT. THE REMAINING 6.2 HECTARES OF FISH HABITAT CHANNELS (ALIGNMENTS D-M) MAY BE EXCAVATED BY HYDRAULIC PIPELINE DREDGE, BUCKET/AUGER DREDGE, CLAMSHELL DREDGE, OR OTHER SUITABLE MEANS ACCEPTABLE TO THE GOVERNMENT. ALL EXCAVATED MATERIAL FROM CHANNELS D-M MUST BE PLACED IN THE CDF. SEE GENERAL NOTES FOR INFORMATION REGARDING CAPACITY OF CDF ON SHEET X2.

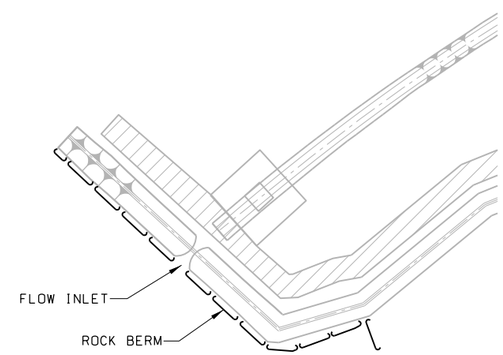
### FEATURE: FLOW INLET AND SEDIMENT TRAP

CONSTRUCT A FLOW INLET IN THE DEFLECTION EMBANKMENT TO ALLOW NOMINAL FLOW THROUGH THE NEWLY EXCAVATED CHANNELS. PLACE RIPRAP TO PROTECT THE INLET FROM EROSION. FLOW INLET DETAILS MAY BE FOUND ON SHEET C19. DIRECTLY DOWNSTREAM OF THE FLOW INLET, EXCAVATE A SEDIMENT TRAP. SEDIMENT TRAP DETAILS MAY BE FOUND ON SHEET C19.




### FEATURE: RIPRAP BERM

CONSTRUCT A ROCK BERM ALONG THE UPSTREAM TOE OF THE NEW EMBANKMENT, FROM STA 0+00 TO STA 3+50.

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US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED | 27 JUL 04 | RPP/REH |

Revisions

Designed By: RSN
Date: 21 SEP-2002
Drawn By: GJB
Scale: AS SHOWN
Checked By: WEM
Drawing Code: EP66
Reviewed By: GAH
Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**CONSTRUCTION FEATURES**

Sheet Reference Number:
**PLATE 3**

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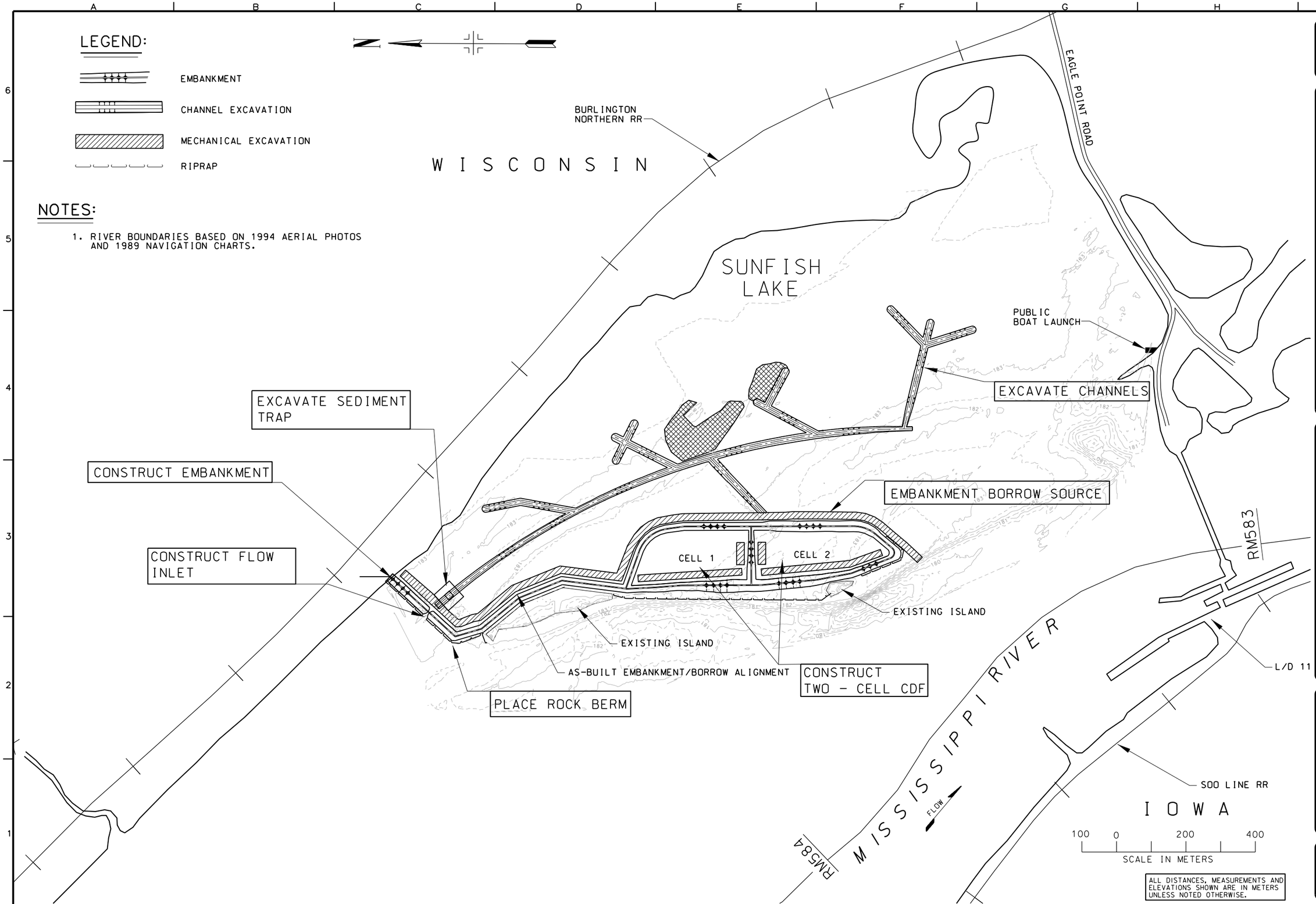
## LEGEND:

- EMBANKMENT
- CHANNEL EXCAVATION
- MECHANICAL EXCAVATION
- RIPRAP

## NOTES:

1. RIVER BOUNDARIES BASED ON 1994 AERIAL PHOTOS AND 1989 NAVIGATION CHARTS.

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US Army Corps of Engineers
Rock Island District

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| 1 | AS CONSTRUCTED | 27 JUL 04 | RP/AEH |

Revisions

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Drawn By: SDB
Checked By: MJA
Reviewed By: DJH
Date: 21 SEP-2002
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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**SITE PLAN**

Sheet Reference Number:
**PLATE 4**

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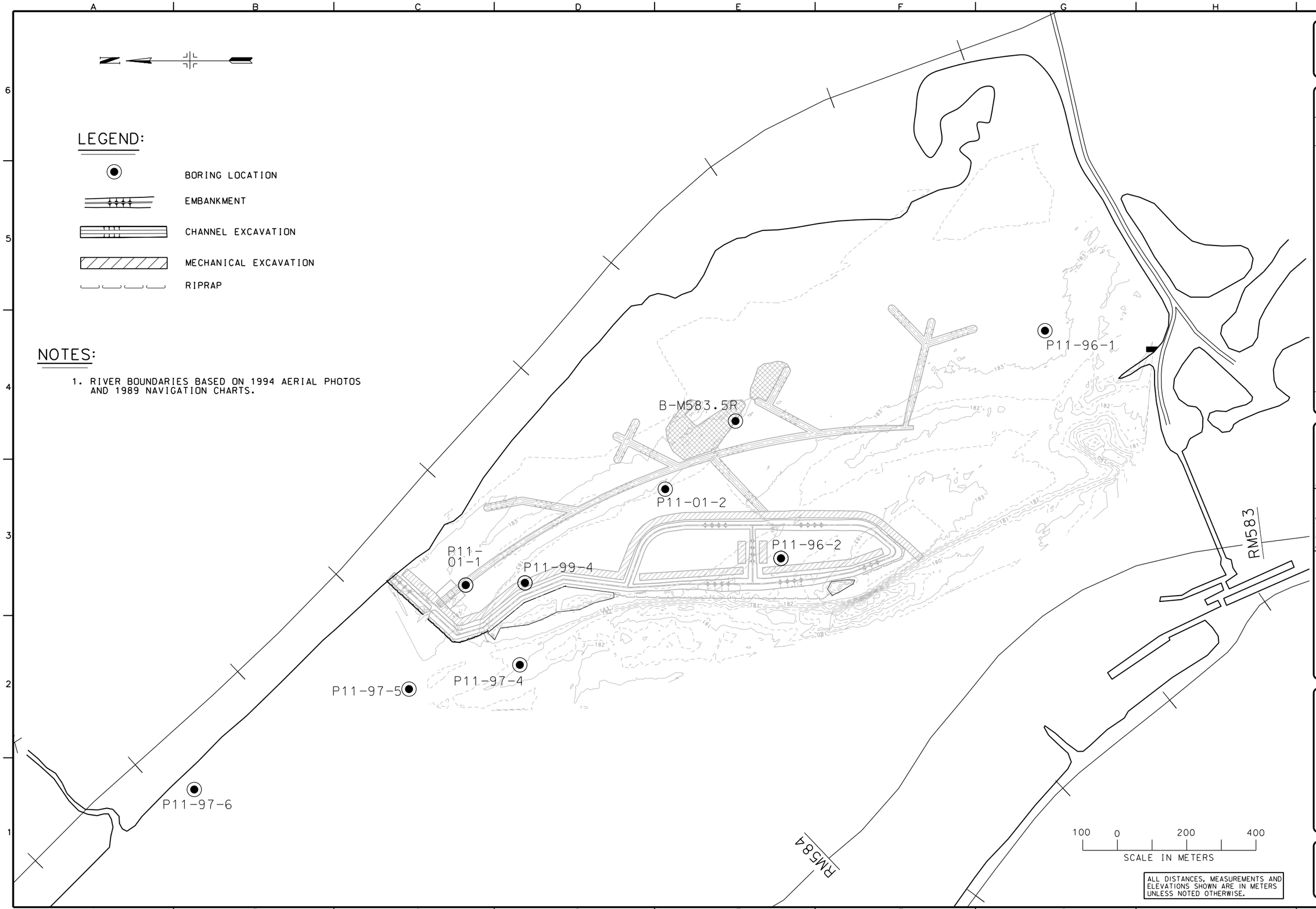
## LEGEND:

- BORING LOCATION
- EMBANKMENT
- CHANNEL EXCAVATION
- MECHANICAL EXCAVATION
- RIPRAP

## NOTES:

1. RIVER BOUNDARIES BASED ON 1994 AERIAL PHOTOS AND 1989 NAVIGATION CHARTS.

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Rock Island District

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Reviewed By: DJH
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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**BORING LOCATIONS**

Sheet Reference Number:
**PLATE 5**

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## LEGEND

BORING NUMBER

HOLE ADVANCED BY HAND AUGER HA — TOP ELEVATION (IN METERS) NGVD 12

WATER LEVEL WL

PERCENT PASSING #200 SIEVE (6.7) — 21 NATURAL MOISTURE CONTENT IN PERCENT DRY WEIGHT

LIQUID AND PLASTIC LIMIT 46/28

$D_{10}$ SIZE (mm) 0.19

MAJOR STRATA CHANGE

MINOR STRATA CHANGE

HOLE EXTENDED BY DRIVING 50 mm PIPE

* PROBE OR SPLIT SPOON REFUSAL

LOCATION OF BORING 4 JULY 1976

APPROXIMATE DATE OF DRILLING ALSO, DATE WATER LEVEL NOTED

LOCATIONS GIVEN IN ILLINOIS WEST ZONE STATE PLANE COORDINATES (NAD 83) IN METERS

## NOTE:

FOR LOCATIONS OF BORINGS, SEE SHEET C2.

US Army Corps of Engineers
Rock Island District

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|---|---|---|---|
| 1 | AS CONSTRUCTED | 2 JUL 04 | RP/REH |

Revisions

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Drawing Code: EP66
Reviewed By: SAZ
Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**BORING LOGS**

Sheet Reference Number:
**PLATE 6**

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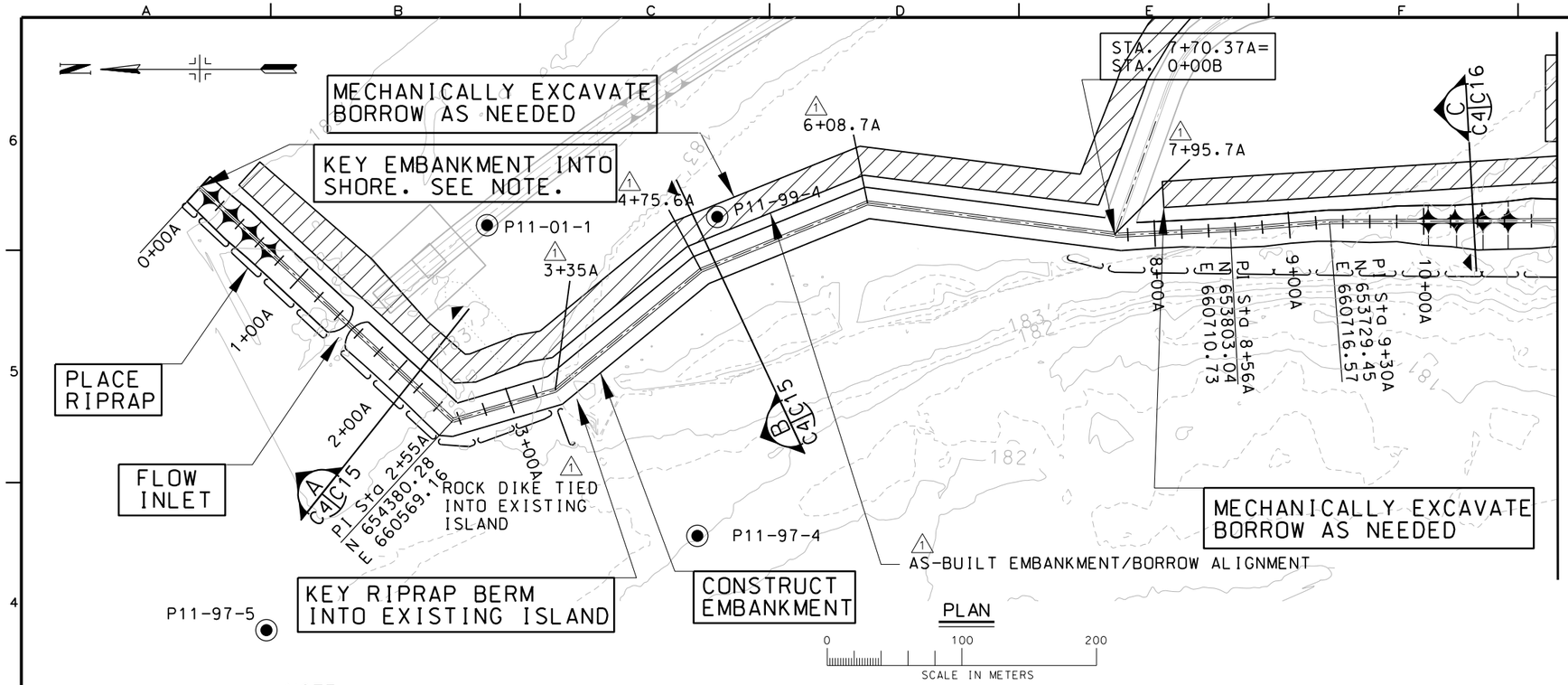
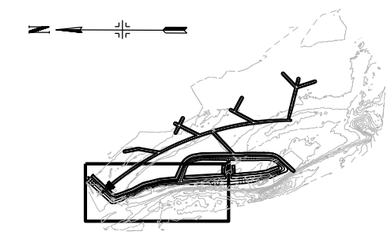


KEY PLAN

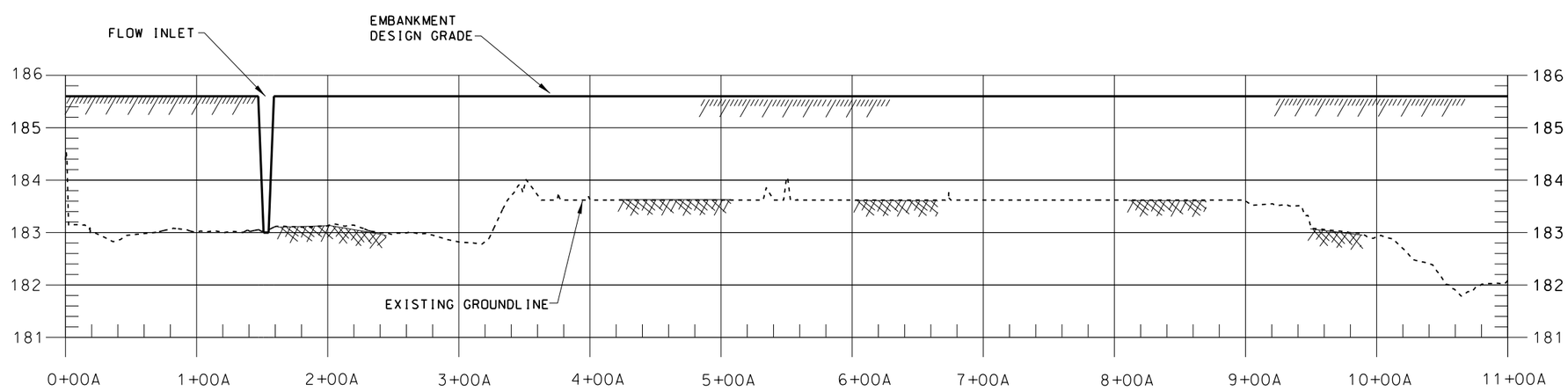
NOTE:

CLEAR AND GRUB SHORE AT TIE-IN POINT. KEY NEW EMBANKMENT INTO SHORE TO A DEPTH OF 1 METER (MIN.)

| STA. | NORTH | EAST |
|---|---|---|
| 0+00 | 654,567.9 | 660,742.2 |
| 2+55 | 654,380.28 | 660,569.16 |
| 3+35 | 654,304.4 | 660,591.3 |
| 4+75.6 | 654,195.87 | 660,680.29 |
| 6+08.7 | 654,072.4 | 660,729.99 |
| 7+95.7 | 653,888.73 | 660,706.36 |

LEGEND

- P11-99-1 — BORING LOCATION
- EMBANKMENT
- MECHANICAL EXCAVATION
- RIPRAP




EMBANKMENT PROFILE

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US Army Corps of Engineers
Rock Island District

| Symbol | Revisions | Date | Approved |
|---|---|---|---|
| 1 | REVISED AS CONSTRUCTED AMENDMENT #1 - SCALE BAR CHANGE | 27JUL04 | RP/REH |
| | | 7JUN02 | RTN/DJH |

Designed By: RTN
Drawn By: SDB
Checked By: MJA
Reviewed By: DJH
Date: 21 SEP 2002
Scale: AS SHOWN
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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**EMBANKMENT PLAN AND PROFILE STA. 0+00A TO 11+00A**

Sheet Reference Number:
**PLATE 7**

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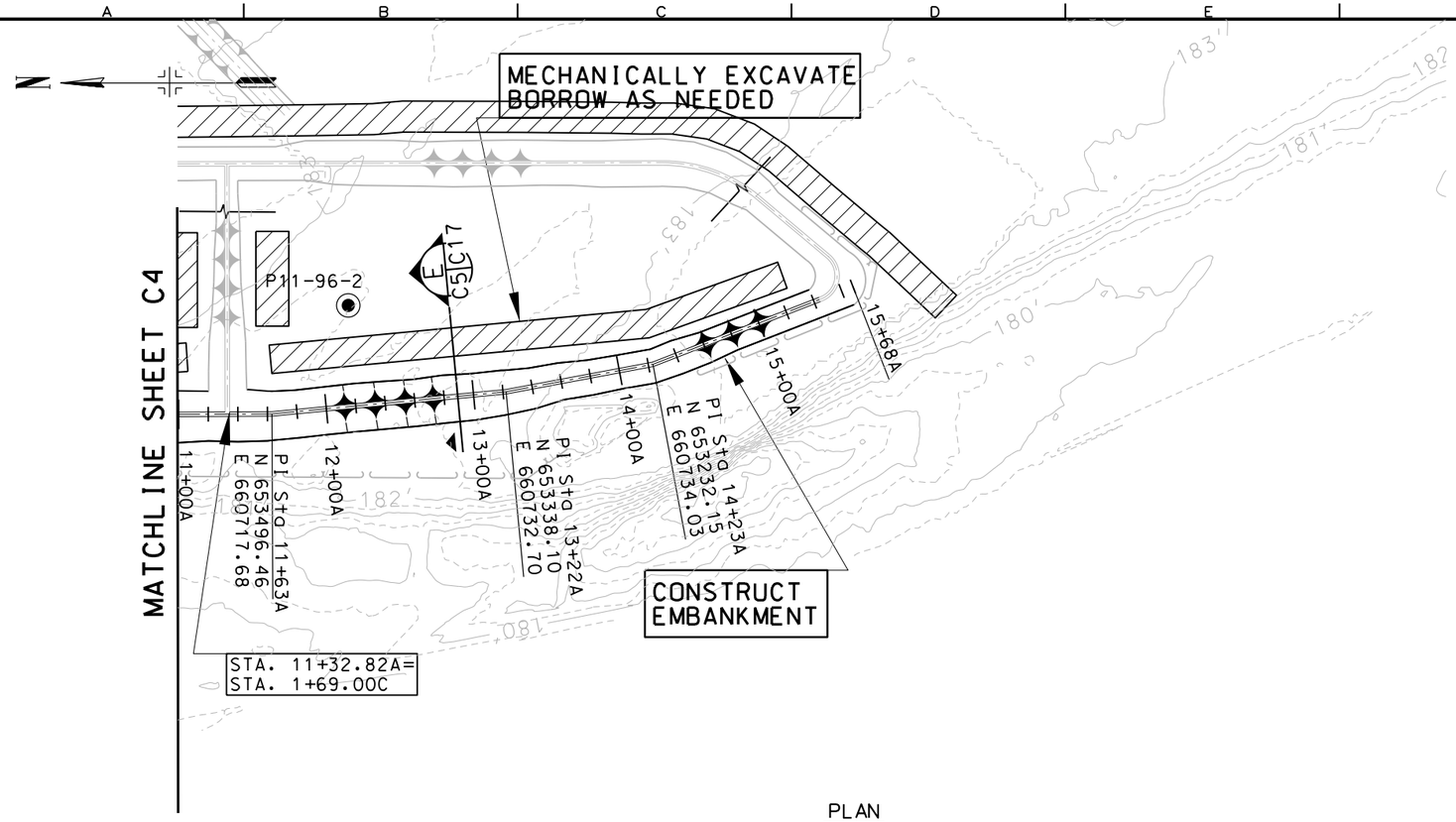


PLAN

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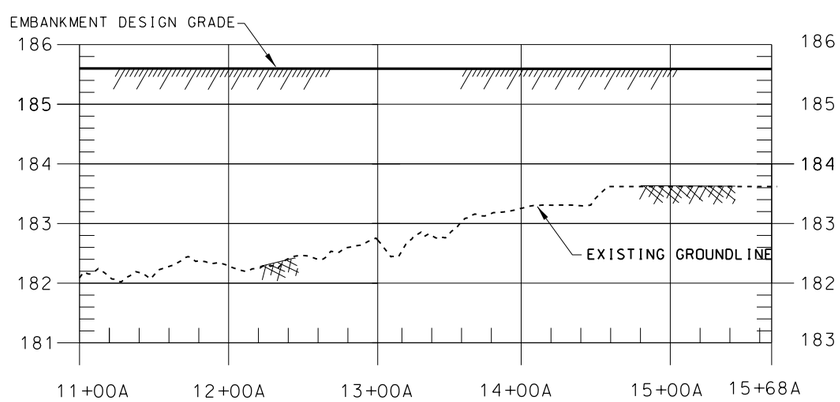
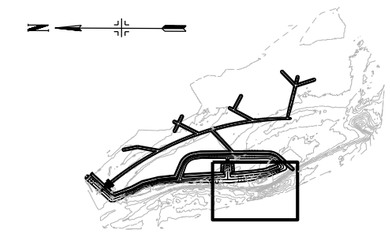
SCALE IN METERS




EMBANKMENT PROFILE



KEY PLAN

LEGEND

P11-99-1 BORING LOCATION

EMBANKMENT

MECHANICAL EXCAVATION

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| 1 | AS CONSTRUCTED | 27JUL04 | RP/REH |
| | AMENDMENT #1 - SCALE BAR CHANGE | 1JUN02 | RTN/DJH |

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POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**EMBANKMENT PLAN AND PROFILE STA. 11+00A TO 15+68A**

Sheet Reference Number:
**PLATE 8**

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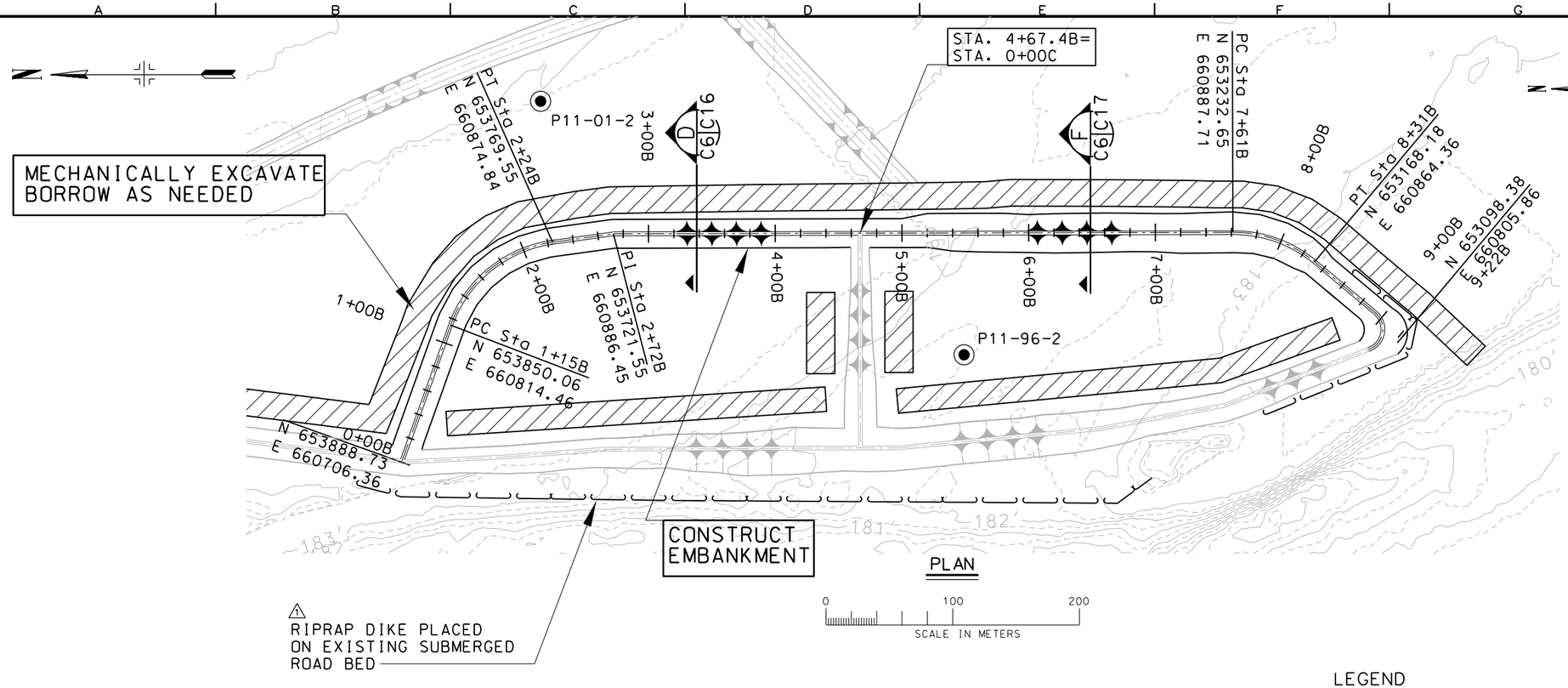


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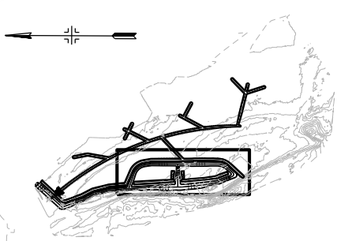
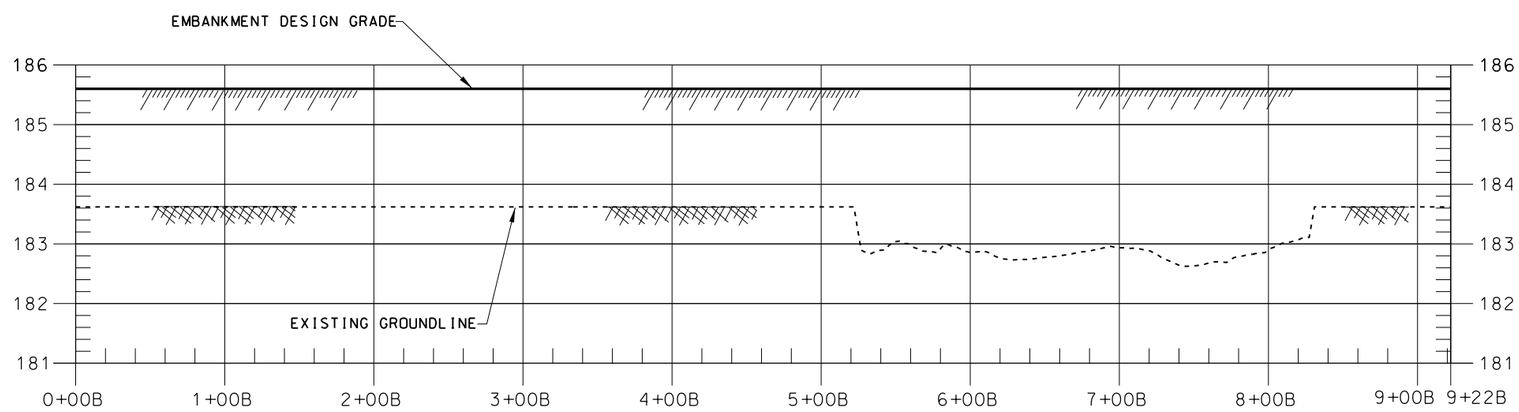


KEY PLAN

LEGEND

- P11-99-1 — BORING LOCATION
- EMBANKMENT
- MECHANICAL EXCAVATION
- RIPRAP




EMBANKMENT PROFILE

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US Army Corps of Engineers Rock Island District

| Symbol | Revisions | Date | Approved |
|---|---|---|---|
| 1 | REVISED AS CONSTRUCTED AMENDMENT #1 - SCALE BAR CHANGE | 27JUL04 | RP/REH |
| | | 17JUN02 | RTN/DJH |

Designed By: RTN
Drawn By: SDB
Checked By: MJA
Reviewed By: DJH
Date: 21 SEP 2002
Scale: AS SHOWN
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Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS HABITAT REHABILITATION & ENHANCEMENT PROJECT SUNFISH LAKE AND MUD LAKE

**EMBANKMENT PLAN AND PROFILE STA. 0+00B TO 9+22B**

Sheet Reference Number: **PLATE 9**

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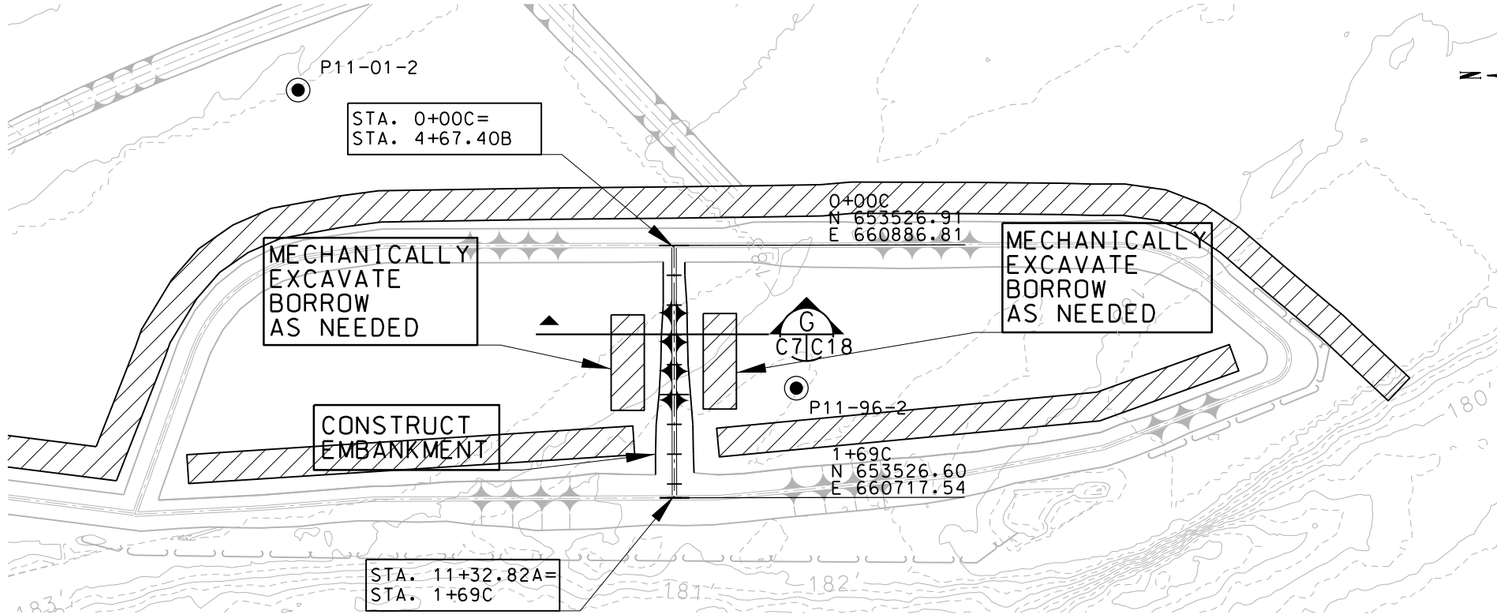
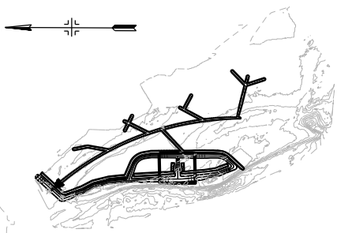
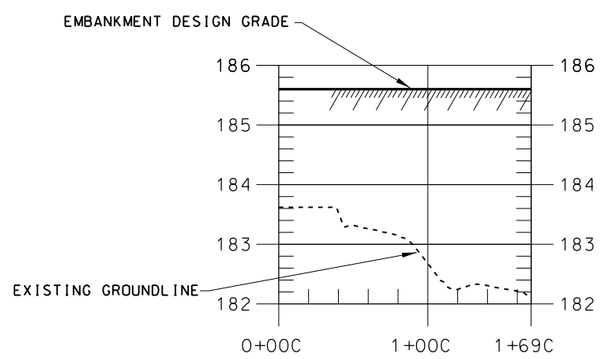



PLAN

0 100 200
SCALE IN METERS



KEY PLAN




EMBANKMENT PROFILE

LEGEND

P11-99-1 BORING LOCATION

EMBANKMENT

MECHANICAL EXCAVATION

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED AMENDMENT #1 - SCALE BAR CHANGE | 27JUL04 | RP/REH |
| | | 17JUN02 | RTN/DJH |

Revisions

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

Designed By: RSN
Drawn By: SDB
Checked By: MEM
Reviewed By: SAH
Date: 21 SEP 2002
Scale: AS SHOWN
Drawing Code: EP66
Solicitation Number: DACW25-02-R-0008

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**EMBANKMENT**
**PLAN AND PROFILE**
**STA. 0+00C TO 1+69C**

Sheet Reference Number:
**PLATE 10**

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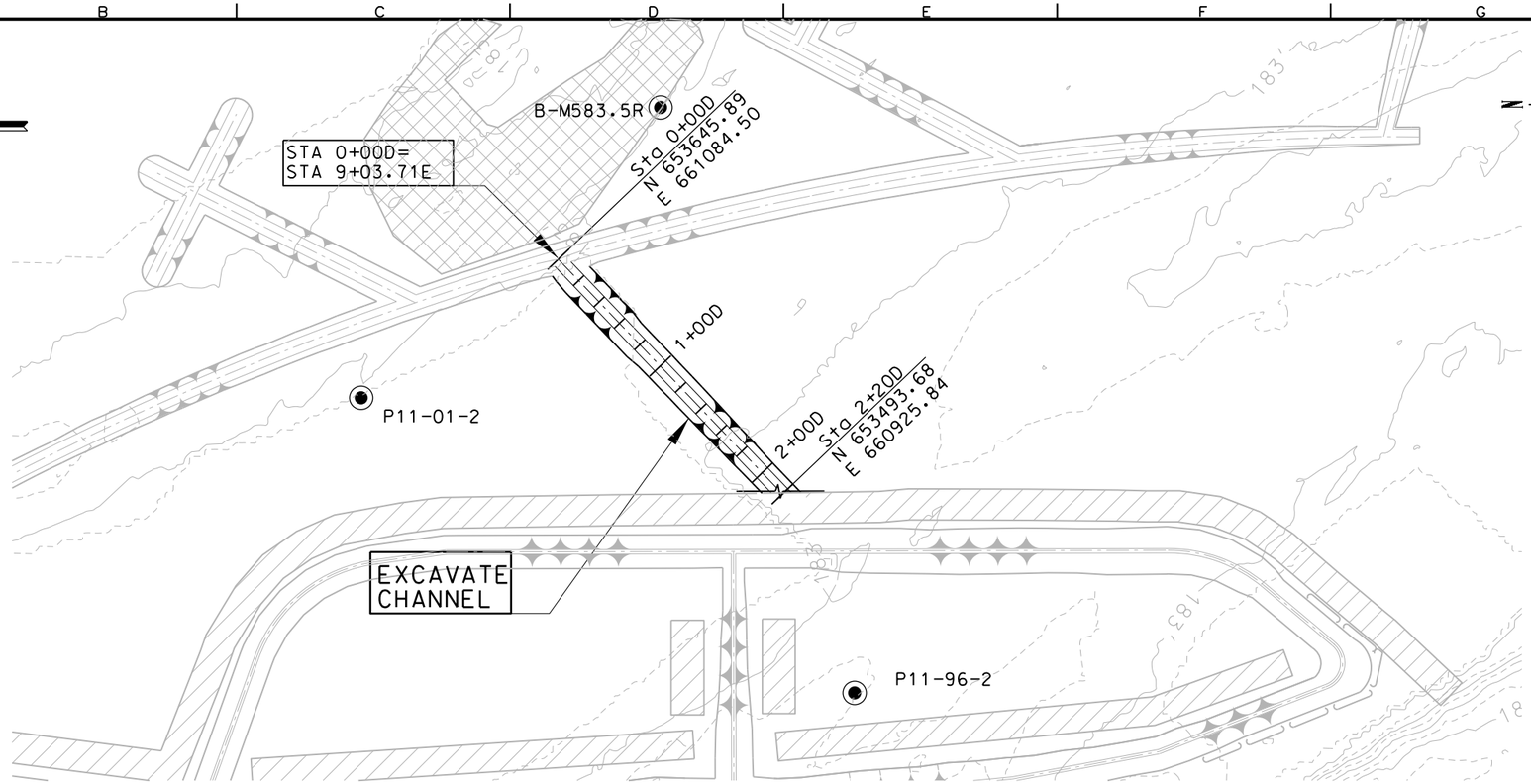
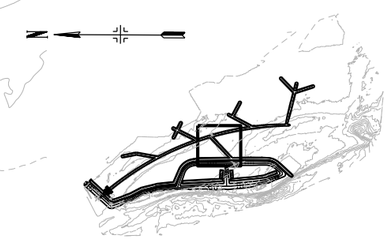



PLAN

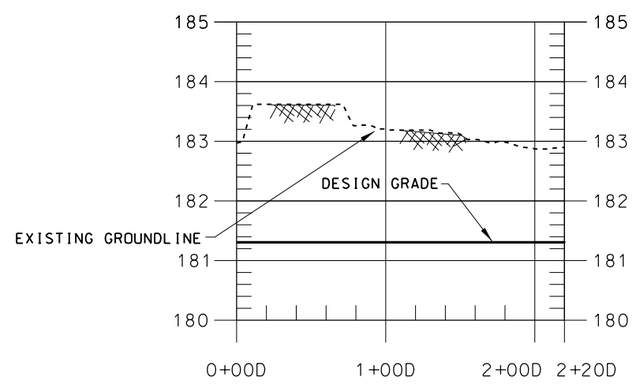
0 100 200
SCALE IN METERS



KEY PLAN

LEGEND

P11-99-1 BORING LOCATION




CHANNEL EXCAVATION PROFILE D

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED | 27JUL04 | RP/REH |
| | AMENDMENT #1 - SCALE BAR CHANGE | 1JUN02 | RTN/DJH |

Revisions

Designed By: RTN
Date: 21 SEP 2002
Drawn By: SDB
Scale: AS SHOWN
Checked By: MJA
Drawing Code: EP66
Reviewed By: DJH
Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**CHANNEL EXCAVATION PLAN AND PROFILE STA. 0+00D TO 2+20D**

Sheet Reference Number:
**PLATE 11**

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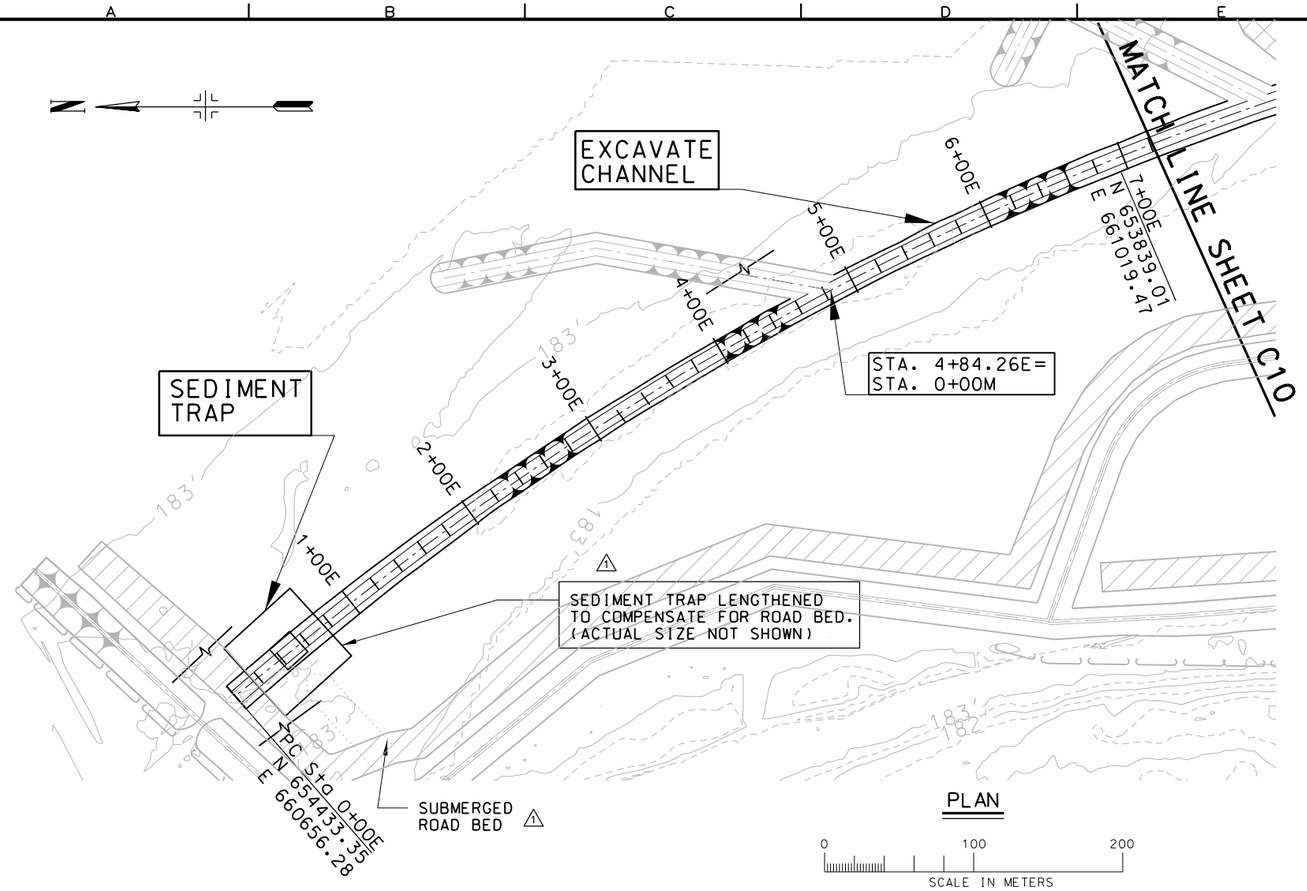
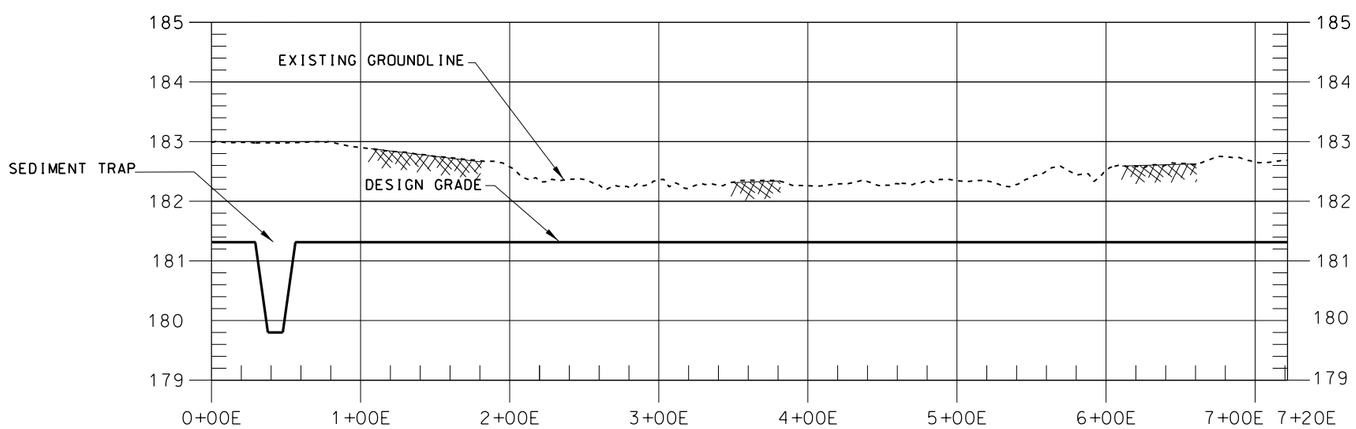


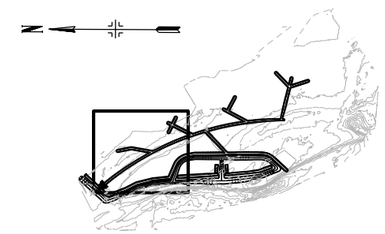

PLAN

0 100 200

SCALE IN METERS




CHANNEL EXCAVATION PROFILE E



KEY PLAN

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | REVISED AS CONSTRUCTED | 27JUL04 | RP/REH |
| | AMENDMENT #1 - SCALE BAR CHANGE | 1JUN02 | RTN/DJH |

Revisions

Designed By: RTN
Date: 21 SEP-2002
Drawn By: SDB
Scale: AS SHOWN
Checked By: MJA
Drawing Code: EP66
Reviewed By: DJH
Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**CHANNEL EXCAVATION PLAN AND PROFILE STA. 0+00E TO 7+20E**

Sheet Reference Number:

**PLATE 12**

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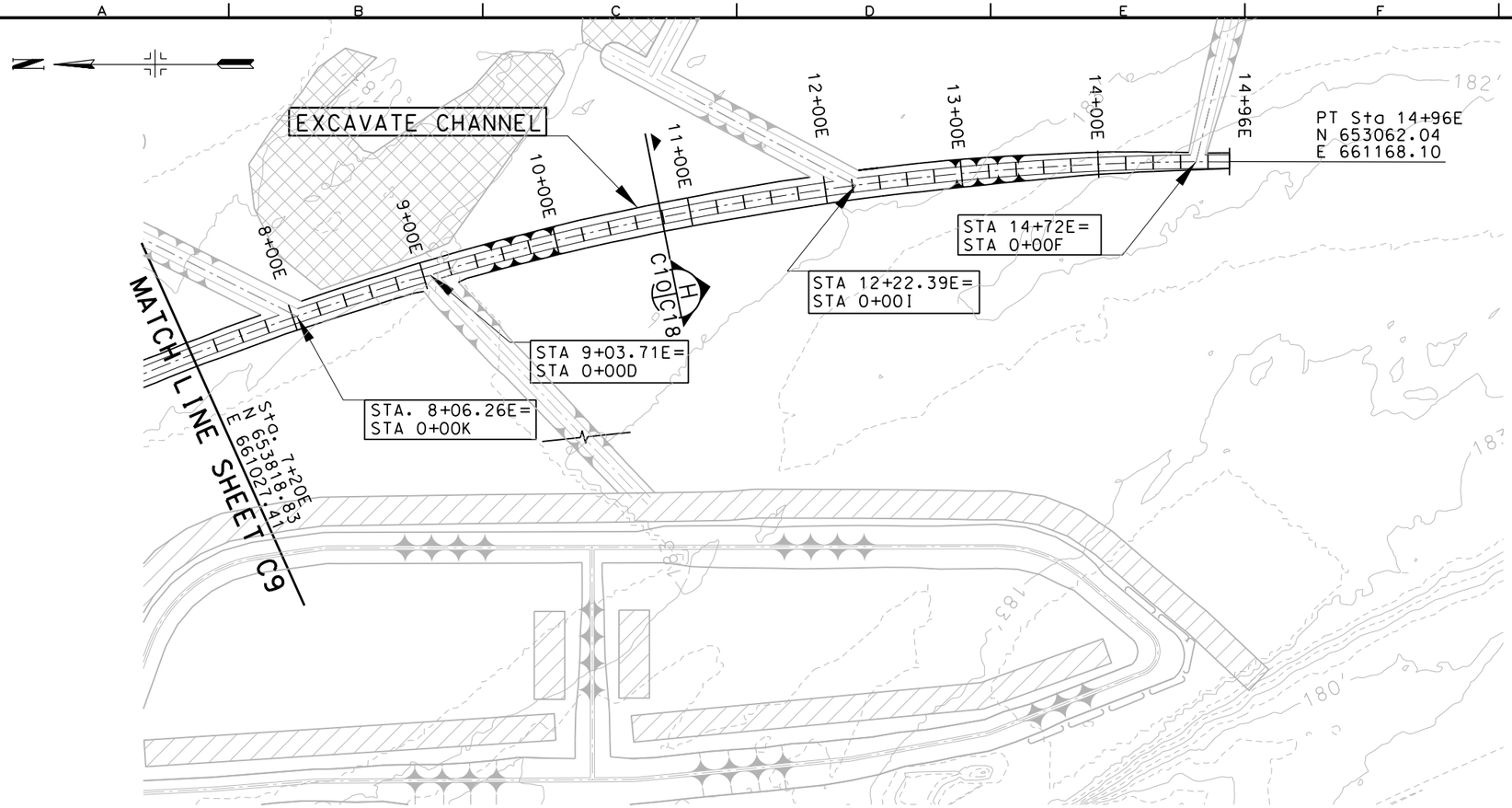
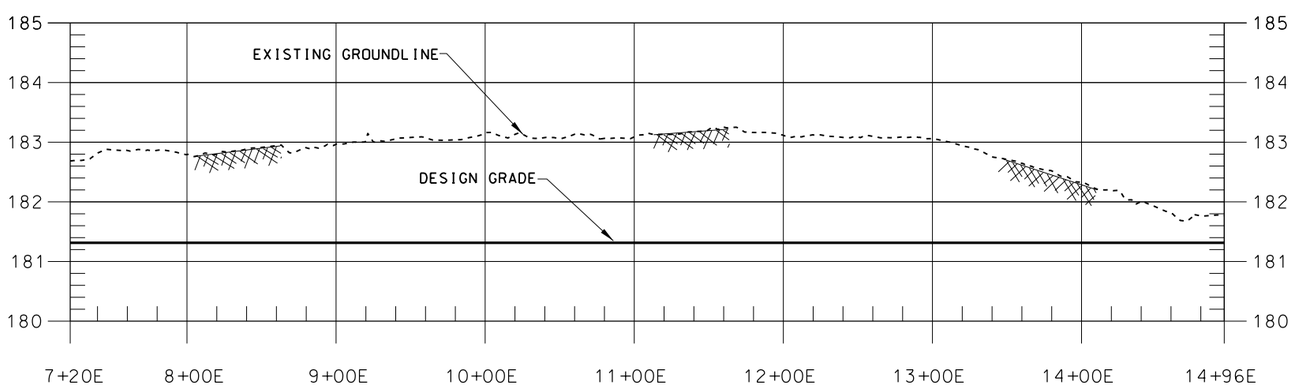


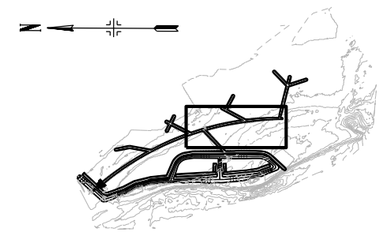

PLAN

0 100 200

SCALE IN METERS




CHANNEL EXCAVATION PROFILE E



KEY PLAN

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED AMENDMENT #1 - SCALE BAR CHANGE | 27JUL04 | RP/REH |
| | | 7JUN02 | RTN/DJH |

Revisions

Designed By: RTN
Date: 21 SEP-2002
Drawn By: SDB
Scale: AS SHOWN
Checked By: MJA
Drawing Code: EP66
Reviewed By: DJH
Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**CHANNEL EXCAVATION PLAN AND PROFILE STA. 7+20E TO 14+96E**

Sheet Reference Number:
**PLATE 13**

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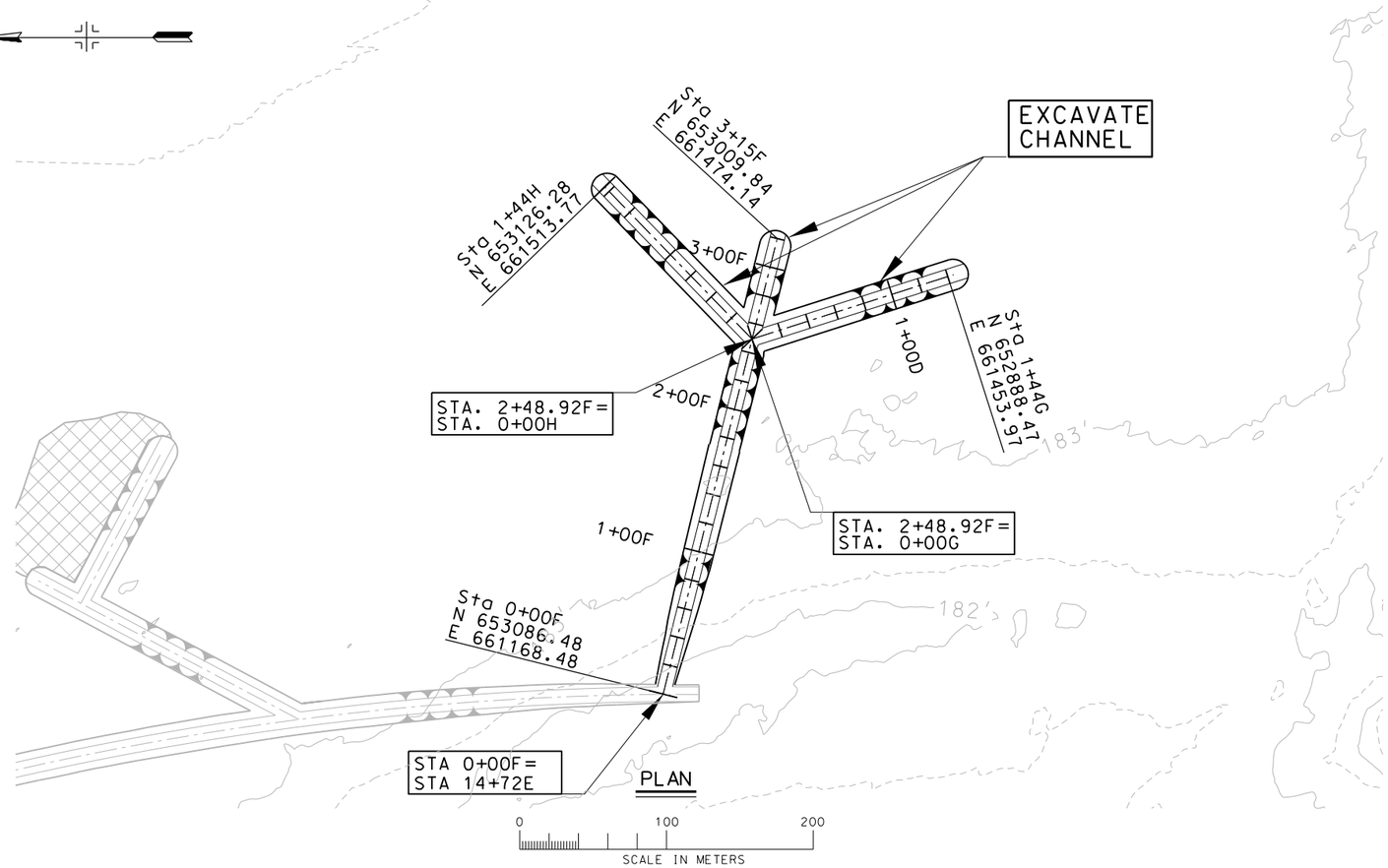
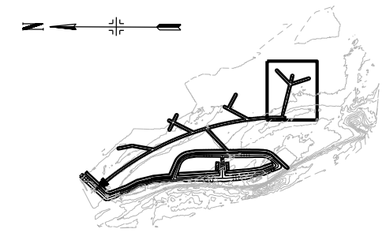
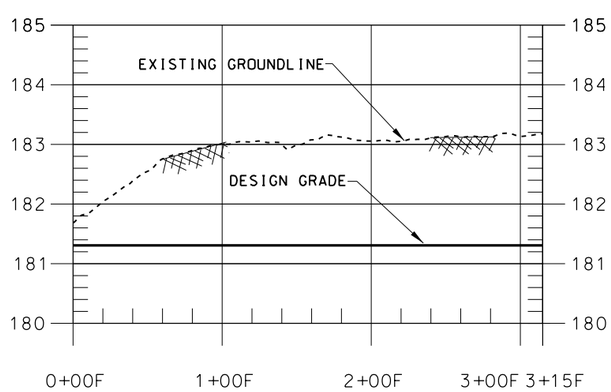


KEY PLAN

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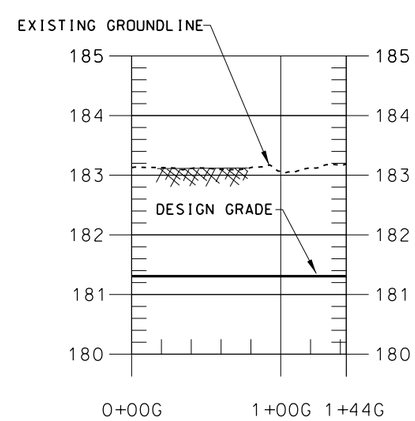


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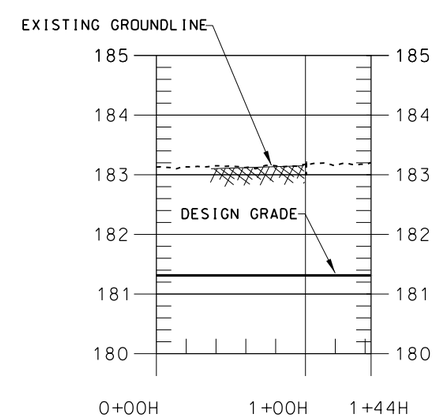


CHANNEL EXCAVATION PROFILE H

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED AMENDMENT #1 - SCALE BAR CHANGE | 27JUL04 | RP/REH |
| | | 1JUN02 | RTN/DJH |

Revisions

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

Designed By: RTN
Drawn By: SDB
Checked By: MJA
Reviewed By: DJH
Date: 21 SEP 2002
Scale: AS SHOWN
Drawing Code: EP66
Solicitation Number: DACW25-02-R-0008

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**CHANNEL EXCAVATION PLAN AND PROFILES F,G,H**

Sheet Reference Number:
**PLATE 14**

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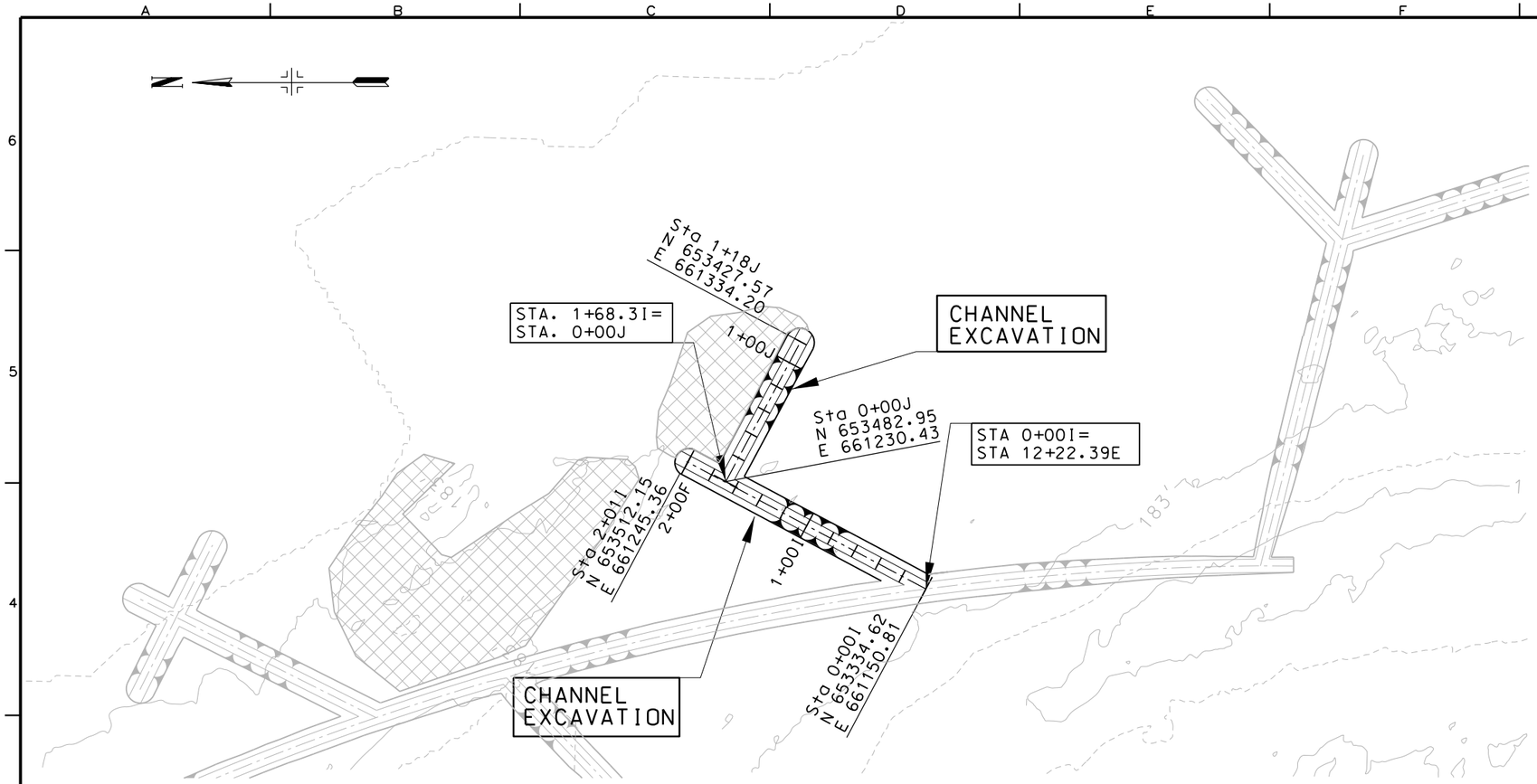
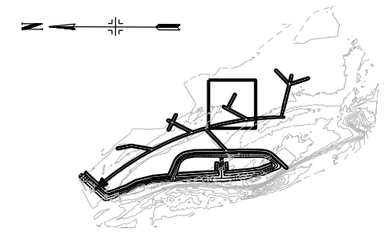


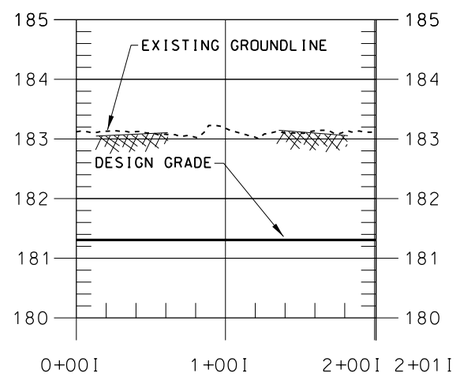

PLAN

0 100 200

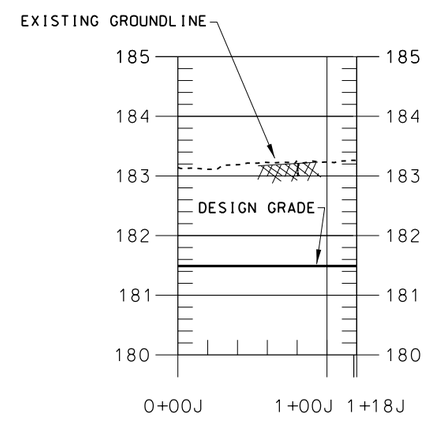
SCALE IN METERS



KEY PLAN




CHANNEL EXCAVATION PROFILE I




CHANNEL EXCAVATION PROFILE J

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED AMENDMENT #1 - SCALE BAR CHANGE | 27JUL04 | RP/REH |
| | | 1JUN02 | RTN/DJH |

Revisions

Designed By: RTN
Drawn By: SDB
Checked By: MJA
Reviewed By: DJH
Date: 21 SEP-2002
Scale: AS SHOWN
Drawing Code: EP66
Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**CHANNEL EXCAVATION PLAN AND PROFILES I,J**

Sheet Reference Number:
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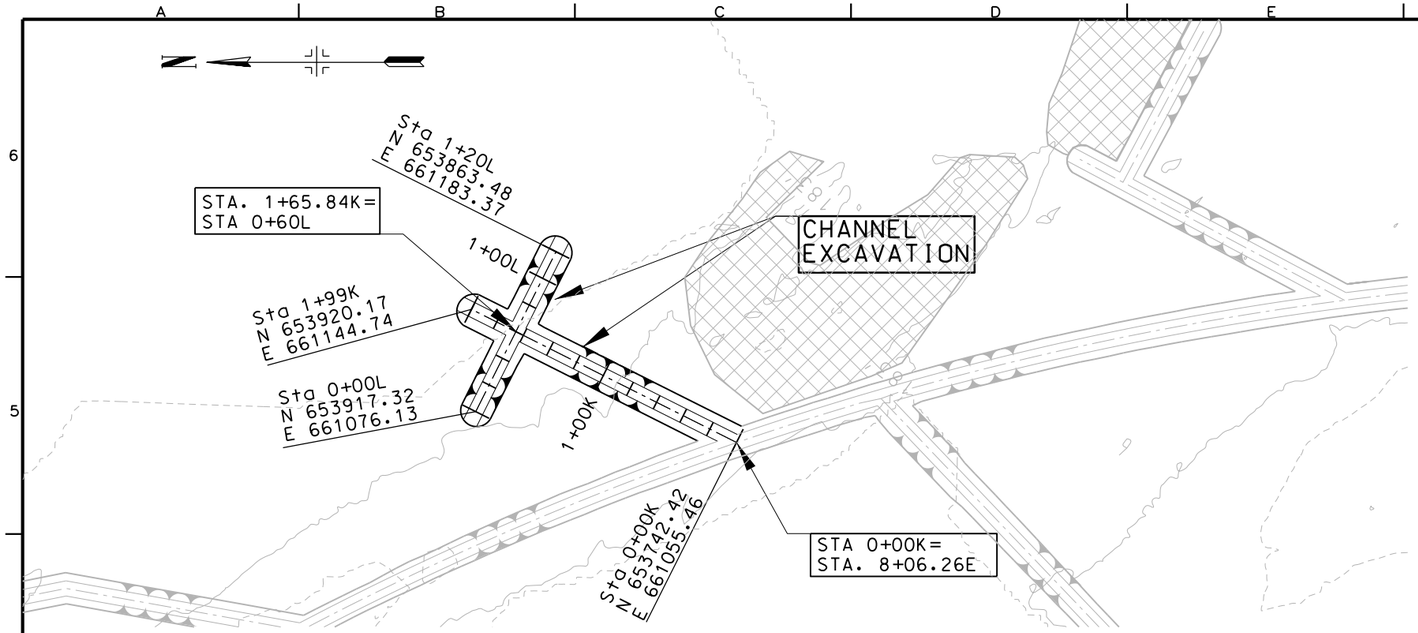


PLAN

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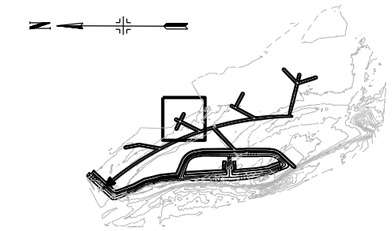
SCALE IN METERS



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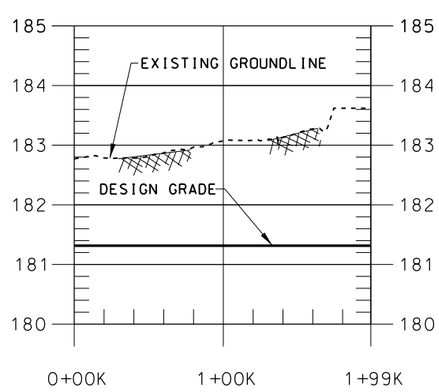
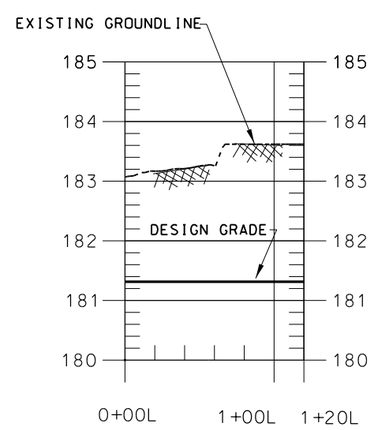



CHANNEL EXCAVATION PROFILE K




CHANNEL EXCAVATION PROFILE L

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED AMENDMENT #1 - SCALE BAR CHANGE | 27JUL04 | RPZ/REH |
| | | 1JUN02 | RTN/DJH |

Revisions

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

Designed By: RTN
Drawn By: SDB
Checked By: MJA
Reviewed By: DJH
Date: 21 SEP 2002
Scale: AS SHOWN
Drawing Code: EP66
Solicitation Number: DACW25-02-R-0008

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**CHANNEL EXCAVATION PLAN AND PROFILES K,L**

Sheet Reference Number:
**PLATE 16**

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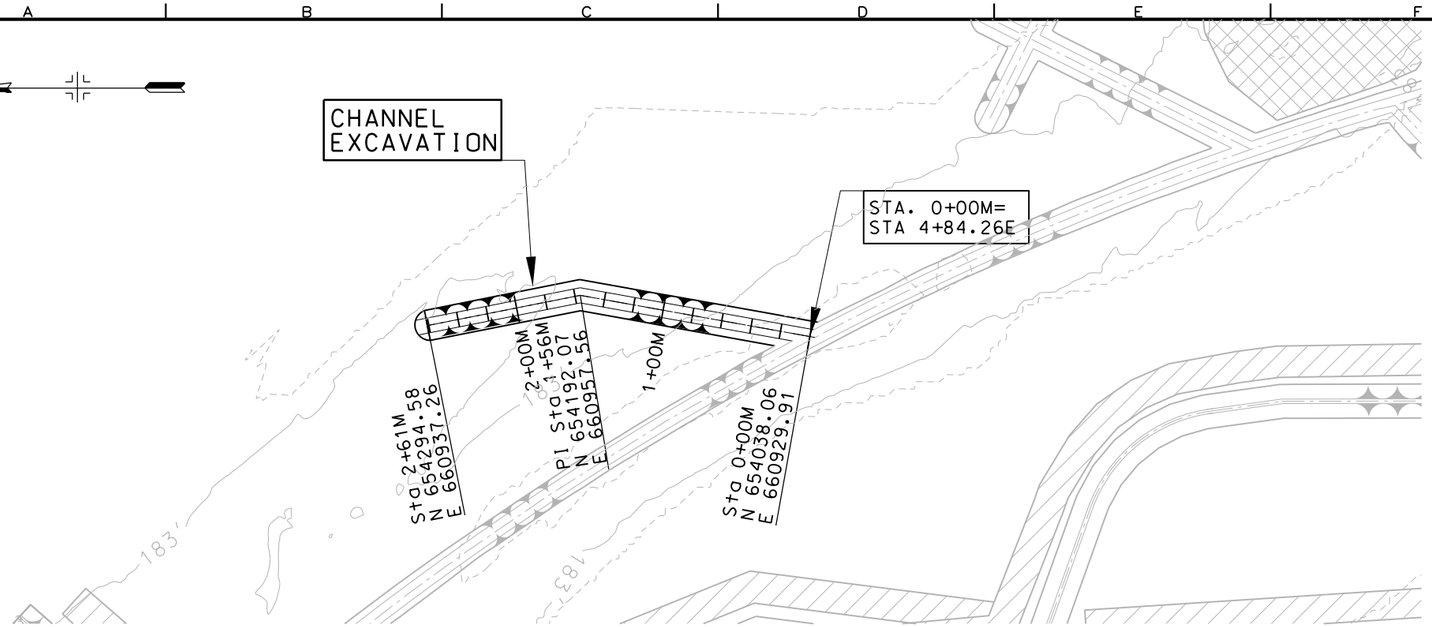


PLAN

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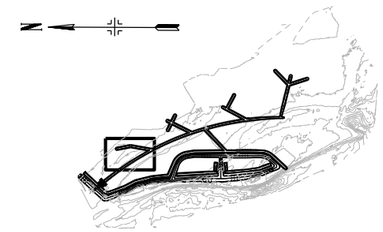
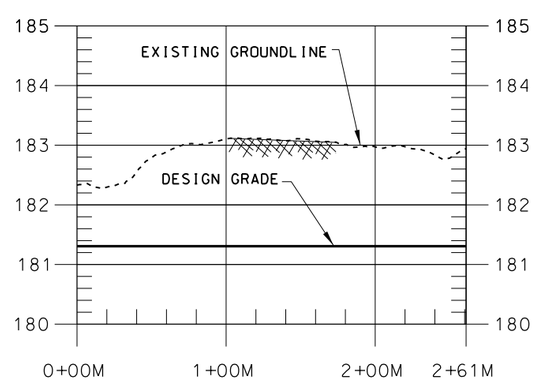
SCALE IN METERS



KEY PLAN




CHANNEL EXCAVATION PROFILE M

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers
Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED AMENDMENT #1 - SCALE BAR CHANGE | 27JUL04 | RP/REH |
| | | 1JUN02 | RTN/DJH |

Revisions

Designed By: RTN
Date: 21 SEP 2002
Drawn By: SDB
Scale: AS SHOWN
Checked By: MJA
Drawing Code: EP66
Reviewed By: DJH
Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**CHANNEL EXCAVATION PLAN AND PROFILE M**

Sheet Reference Number:
**PLATE 17**

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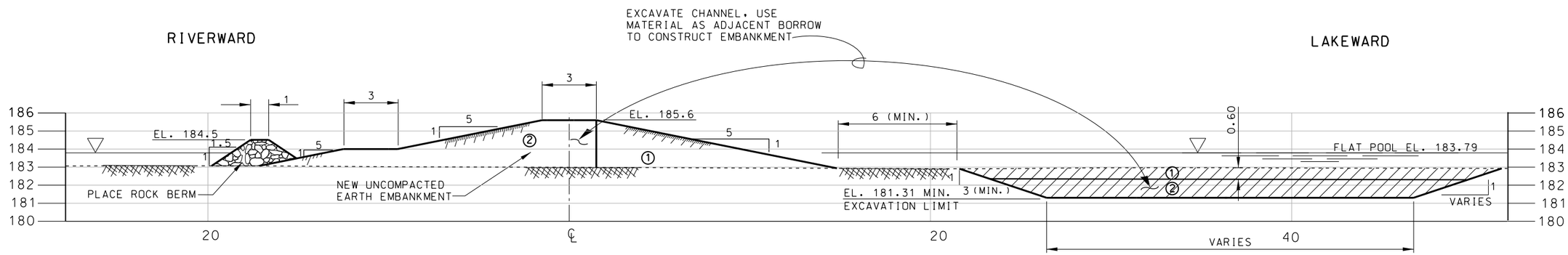



A C4 C15 TYPICAL SECTION EMBANKMENT AND EXCAVATION

NO SCALE

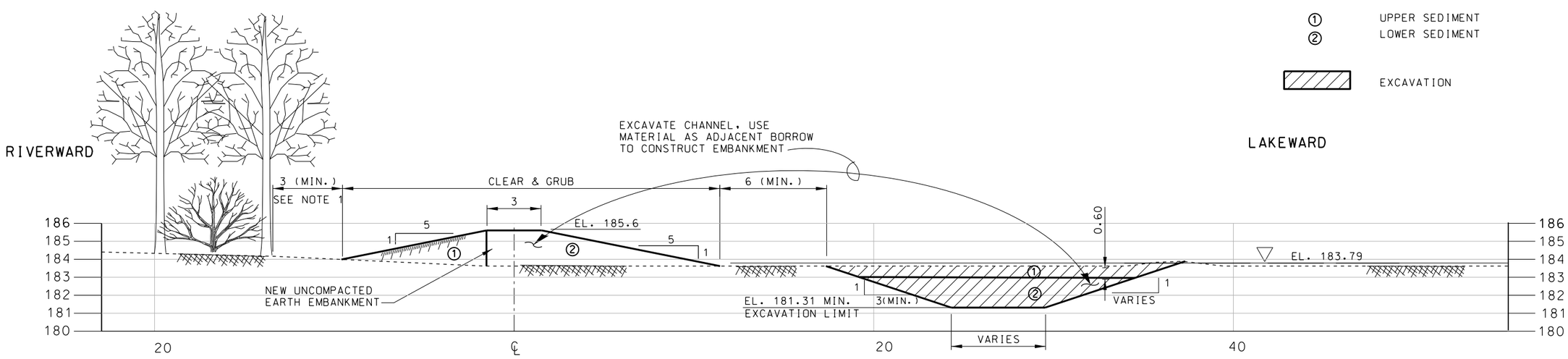
STA. 0+00A TO 3+50A

LEGEND

① UPPER SEDIMENT

② LOWER SEDIMENT

EXCAVATION




B C4 C15 TYPICAL SECTION EMBANKMENT EXCAVATION

NO SCALE

ADJACENT TO EXISTING ISLAND

NOTES:

1. EMBANKMENT CENTERLINE MAY BE ADJUSTED AS NECESSARY TO MAINTAIN MINIMUM DISTANCE FROM TREE LINE. NO DAMAGE MAY BE CAUSED TO ANY TREE LARGER THAN 10 CENTIMETER DIAMETER.

ALL DISTANCES, MEASUREMENTS AND ELEVATIONS SHOWN ARE IN METERS UNLESS NOTED OTHERWISE.

US Army Corps of Engineers Rock Island District

| Symbol | Description | Date | Approved |
|---|---|---|---|
| 1 | AS CONSTRUCTED | 27JUL04 | RPJ/REH |

Revisions

Designed By: RTN
Date: 21 SEP 2002
Drawn By: SDB
Scale: AS SHOWN
Checked By: MJA
Drawing Code: EP66
Reviewed By: DJH
Solicitation Number: DACW25-02-R-0008

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
ROCK ISLAND, ILLINOIS

POOL 11 ISLANDS
HABITAT REHABILITATION
& ENHANCEMENT PROJECT
SUNFISH LAKE AND MUD LAKE

**TYPICAL SECTIONS I**

Sheet Reference Number:

**PLATE 18**

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