

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE | | | | | | |
|----------|--|-------|----------------|-------------------|------------|-----------------|--|--|--|--|
| | | | | WOODFORD COUNTY | | WOODFORD COUNTY | | | | |
| | | | | SWLI 100% STATE | 100% STATE | | | | | |
| | | | | 0005 | 0005 | | | | | |
| | | | | RURAL | RURAL | | | | | |
| 20101400 | NITROGEN FERTILIZER NUTRIENT | LBS | 30 | 30 | | | | | | |
| 20101500 | PHOSPHOROUS FERTILIZER NUTRIENT | LBS | 30 | 30 | | | | | | |
| 20101600 | POTASSIUM FERTILIZER NUTRIENT | LBS | 30 | 30 | | | | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 376 | 376 | | | | | | |
| 20800150 | TRENCH BACKFILL | CU YD | 33 | 33 | | | | | | |
| 25000100 | SEEDING, CLASS 1 | ACRE | 0.1 | | 0.1 | | | | | |
| 25000300 | SEEDING, CLASS 3 | ACRE | 0.3 | 0.3 | | | | | | |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 3848 | 3848 | | | | | | |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 2351 | 2351 | | | | | | |
| 28100105 | STONE RIPRAP, CLASS A3 | SQ YD | 63 | 63 | | | | | | |
| 35101800 | AGGREGATE BASE COURSE, TYPE B 6" | SQ YD | 9 | 9 | | | | | | |
| 40200300 | AGGREGATE SURFACE COURSE, TYPE A 4" | SQ YD | 1110 | 1110 | | | | | | |
| 42300200 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH | SQ YD | 3 | 3 | | | | | | |
| 42400100 | PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH | SQ FT | 87 | 87 | | | | | | |

376 376



* SPECIALTY ITEM

MODEL: Default; FILE: Mackinaw_Plan; Location: C:\Users\l18\Documents\CADD_Sheets\03-05_Summary of Quantities.dgn

KLINGNER & ASSOCIATES, P.C.
 Engineers • Architects • Surveyors
 Galesburg, Illinois
 48 North Prairie Street
 304-944

| | | |
|------------------------------|----------------|-----------|
| USER NAME = mrich | DESIGNED - ANM | REVISED - |
| PLOT SCALE = 100.0000' / in. | DRAWN - MCR | REVISED - |
| PLOT DATE = 2/9/2024 | CHECKED - MCL | REVISED - |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MACKINAW DELL EASTBOUND LAGOON
SUMMARY OF QUANTITIES**

SCALE: NONE SHEET 1 OF 3 SHEETS STA. N/A TO STA. N/A

| | | | | |
|--------------------|---------------|----------|------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | (X3-16RA)I-15 | WOODFORD | 22 | 3 |
| CONTRACT NO. 68101 | | | | |
| ILLINOIS | | | FEDERAL-AID INTERSTATE | |

| SANITARY SEWER STRUCTURE SCHEDULE | | | |
|-----------------------------------|----------------------|---|-------------|
| STRUCT. NO. | TOP | FLOWLINES | DESCRIPTION |
| A | T - 663.60 | W FL - 653.50 E FL - 653.45 | MANHOLE |
| B | T - 657.57 | W FL - 651.02 E FL - 651.03 | MANHOLE |
| C | T - 655.00 | N FL - 648.75 W FL - 648.00 E FL - 648.00 | MANHOLE |
| D | T - 649.36 | W FL - 644.31 E FL - 644.34 | MANHOLE |
| E | T - 647.04 | NE FL - 641.91 SW FL - 644.75 | MANHOLE |
| F | CONTRACTOR TO VERIFY | CONTRACTOR TO VERIFY | CLEANOUT |

| SANITARY SEWER REMOVAL | | | | |
|------------------------|------------------------|----------------------------------|----------------------------------|------------------------------|
| LOCATION | MANHOLE REMOVAL (EACH) | SANITARY SEWER REMOVAL 8" (FOOT) | UTILITY STRUCTURE REMOVAL (EACH) | LAGOON SLUDGE PUMPING (EACH) |
| 0+00.00 | 1 | | | |
| 1+81.57 | 1 | | | |
| 4+07.45 | 1 | | | |
| 0+00.00 | 4+67.84 | 467.9 | | |
| ROCK FILTER | 1 | 32.0 | | |
| LAGOON | | | 2 | 1 |
| TOTALS | 4 | 499.9 | 2 | 1 |
| USE | 4 | 500 | 2 | 1 |

| PAVEMENT REMOVAL SCHEDULE | | | | |
|---------------------------|------------|--------------------------|--------------------------|----------------------------------|
| LOCATION | OFFSET | PAVEMENT REMOVAL (SQ YD) | SIDEWALK REMOVAL (SQ FT) | CONCRETE REMOVAL SPECIAL (SQ YD) |
| 0+61.71 | 0+88.28 | | 62.5 | |
| 1+37.94 | 1+42.38 | | 10.0 | |
| 2+03.03 | 2+10.08 | | 12.5 | |
| 4+21.43 | 106.16 RT | | | 4 |
| 2000+25.78 | 2000+36.02 | 2.8 | | |
| 2000+88.81 | 2000+94.74 | | 1.4 | |
| TOTALS | | 2.8 | 86.4 | 4 |
| USE | | 3 | 87 | 4 |

| FENCE SCHEDULE | | | |
|------------------|----------------------|-----------------------------|--|
| LOCATION | FENCE REMOVAL (FOOT) | CHAIN LINK FENCE, 6' (FOOT) | CHAIN LINK GATES, 6'X12' DOUBLE (EACH) |
| LAGOON PERIMETER | 1905 | 1905 | 1 |
| TOTALS | 1905 | 1905 | 1 |

| LANDSCAPING & SEEDING SCHEDULE | | | | | |
|--------------------------------|------------------------|------------------------|--------------------------------------|---|---------------------------------------|
| LOCATION | SEEDING CLASS 1 (ACRE) | SEEDING CLASS 3 (ACRE) | NITROGEN FERTILIZER NUTRIENT (POUND) | PHOSPHOROUS FERTILIZER NUTRIENT (POUND) | POTASSIUM FERTILIZER NUTRIENT (POUND) |
| LAGOON PERIMETER | 0.1 | 0.3 | 30 | 30 | 30 |
| TOTALS | 0.1 | 0.3 | 30 | 30 | 30 |

| PORTLAND CEMENT CONCRETE SCHEDULE | | | | |
|-----------------------------------|------------|----------------------------------|--------------------------|-----------------------------|
| LOCATION | OFFSET | PCC DRIVEWAY PAVEMENT 6" (SQ YD) | PCC SIDEWALK, 4" (SQ FT) | CONCRETE STRUCTURES (CU YD) |
| 0+61.71 | 0+88.28 | | 62.5 | |
| 1+37.94 | 1+42.38 | | 10.0 | |
| 2+03.03 | 2+10.08 | | 12.5 | |
| 4+21.43 | 106.16 RT | | | 1.5 |
| 2000+25.78 | 2000+36.02 | 2.8 | | |
| 2000+88.81 | 2000+94.74 | | 1.4 | |
| TOTALS | | 2.8 | 86.4 | 1.5 |
| USE | | 3 | 87 | 1.5 |

| EROSION CONTROL SCHEDULE | | |
|--------------------------|---------------------------------|----------------------------------|
| LOCATION | EROSION CONTROL BLANKET (SQ YD) | PERIMETER EROSION BARRIER (FOOT) |
| LAGOON PERIMETER | 3848 | 2351 |
| TOTALS | 3848 | 2351 |

| ELECTRICAL SCHEDULE | | | | | |
|---------------------|------------|---|---|-----------------|--|
| LOCATION | OFFSET | UNDERGROUND CONDUIT, PVC, 1" DIA (FOOT) | UNDERGROUND CONDUIT, PVC, 2" DIA (FOOT) | HANDHOLE (EACH) | ELECTRICAL SERVICE INSTALLATION (SPECIAL) (EACH) |
| REST AREA | BLOWERSHED | 415 | 415 | 1 | 1 |
| TOTALS | | 415 | 415 | 1 | 1 |

| BLOWERSHED SCHEDULE | | | |
|---------------------|-----------|--------------------------|--------------------------------|
| LOCATION | OFFSET | SPECIAL STRUCTURE (EACH) | CONCRETE FOUNDATIONS (SPECIAL) |
| 4+21.43 | 106.16 RT | 1 | 1 |
| TOTALS | | 1 | 1 |

| AGGREGATE SCHEDULE | | | |
|--------------------|-----------|----------------------------|-----------------------------|
| LOCATION | OFFSET | AGG BSE CSE, TB 6" (SQ YD) | AGG SURF CSE, TA 4" (SQ YD) |
| LAGOON PERIMETER | | | 1110 |
| 4+21.43 | 106.16 RT | 8.9 | |
| TOTALS | | 8.9 | 1110 |
| USE | | 9 | 1110 |

| SANITARY SEWER SCHEDULE | | | | | | | |
|-------------------------|---------------|--------|-------------------------|--------------------------|----------------------------------|----------------------------------|--|
| LOCATION | STRUCTURE NO. | OFFSET | TRENCH BACKFILL (CU YD) | SANITARY SEWER 8" (FOOT) | MANHOLES SAN 4 DIA T1F CL (EACH) | SANITARY SERVICE CLEANOUT (EACH) | REMOVE AND REPLACE CONCRETE HEADWALLS FOR PIPE DRAINS (EACH) |
| 2000+26.00 | 0+84.00 | | 16.7 | | | | |
| 0+59.00 | 1+38.00 | | 2.7 | | | | |
| 1+34.00 | 2+14.00 | | 3.4 | | | | |
| 2+09.00 | 2000+36.00 | | 6.7 | | | | |
| 2000+90.00 | 2000+95.00 | | 3.4 | | | | |
| 0+00.00 | 1+81.57 | | | 181.6 | | | |
| 1+81.57 | 2+67.75 | | | 86.2 | | | |
| 2+67.75 | 4+07.45 | | | 139.7 | | | |
| 4+07.45 | 4+67.84 | | | 60.4 | | | |
| 2000+00.00 | 2001+42.78 | | | 178.0 | | | |
| ROCK FILTER TO HEADWALL | | | | 32.0 | | | |
| OUTFLOW HEADWALL | | | | | | | 1 |
| 0+00.00 | A | | | | 1 | | |
| 1+81.57 | B | | | | 1 | | |
| 2+67.75 | C | | | | 1 | | |
| 4+07.45 | D | 7' LT | | | 1 | | |
| STRUCTURE E | E | | | | 1 | | |
| 2000+59.20 | F | | | | | 1 | |
| TOTALS | | | 32.9 | 677.9 | 5 | 1 | 1 |
| USE | | | 33 | 678 | 5 | 1 | 1 |

| EXCAVATION SCHEDULE | | |
|---------------------|--------------------------|--------------------------------|
| LOCATION | EARTH EXCAVATION (CU YD) | FURNISHED EXCAVATION (SPECIAL) |
| LAGOON | 376 | 6970 |
| TOTALS | 376 | 6970 |

MODEL: Mcdel; FILE: Mcdel; P:\Galesburg\2\filed13081\DOT - DIST 4 - PTB 2014-03\Work Order 19 - FY 2024\Galesburg18 Transportation\CADD Sheets\06_Schedule of Quantities.dgn



USER NAME = mirch
 DESIGNED - ANM
 DRAWN - MCR
 CHECKED - MCL
 DATE -
 PLOT SCALE = 2.0000 / in.
 PLOT DATE = 2/9/2024

REVISOR -
 REVISION -
 REVISOR -
 REVISION -
 REVISOR -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MACKINAW DELL EASTBOUND LAGOON
 SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------|--------------|----------|--------------|-----------|
| 74 | (X3-16RA)-15 | WOODFORD | 22 | 6 |
| CONTRACT NO. 68101 | | | | |
| ILLINOIS FEDERAL-AID INTERSTATE | | | | |

| DESIGN CRITERIA | | |
|------------------------|------|---------|
| POPULATION EQUIVALENT | 200 | |
| AVERAGE DAILY FLOW | 2000 | GAL/DAY |
| AVG INFLUENT BOD5 | 10 | LB/DAY |
| AVG INFLUENT TSS | 10 | LB/DAY |
| AVG INFLUENT AMMONIA-N | 2 | LB/DAY |

| DESIGN EFFLUENT CRITERIA - MONTHLY AVERAGE | | |
|--|-----|------|
| BOD5 | 20 | mg/L |
| TSS | 24 | mg/L |
| AMMONIA-N | 2.0 | mg/L |

① DESIGN CRITERIA
NTS

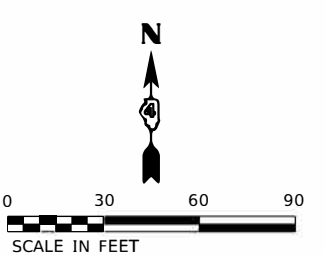
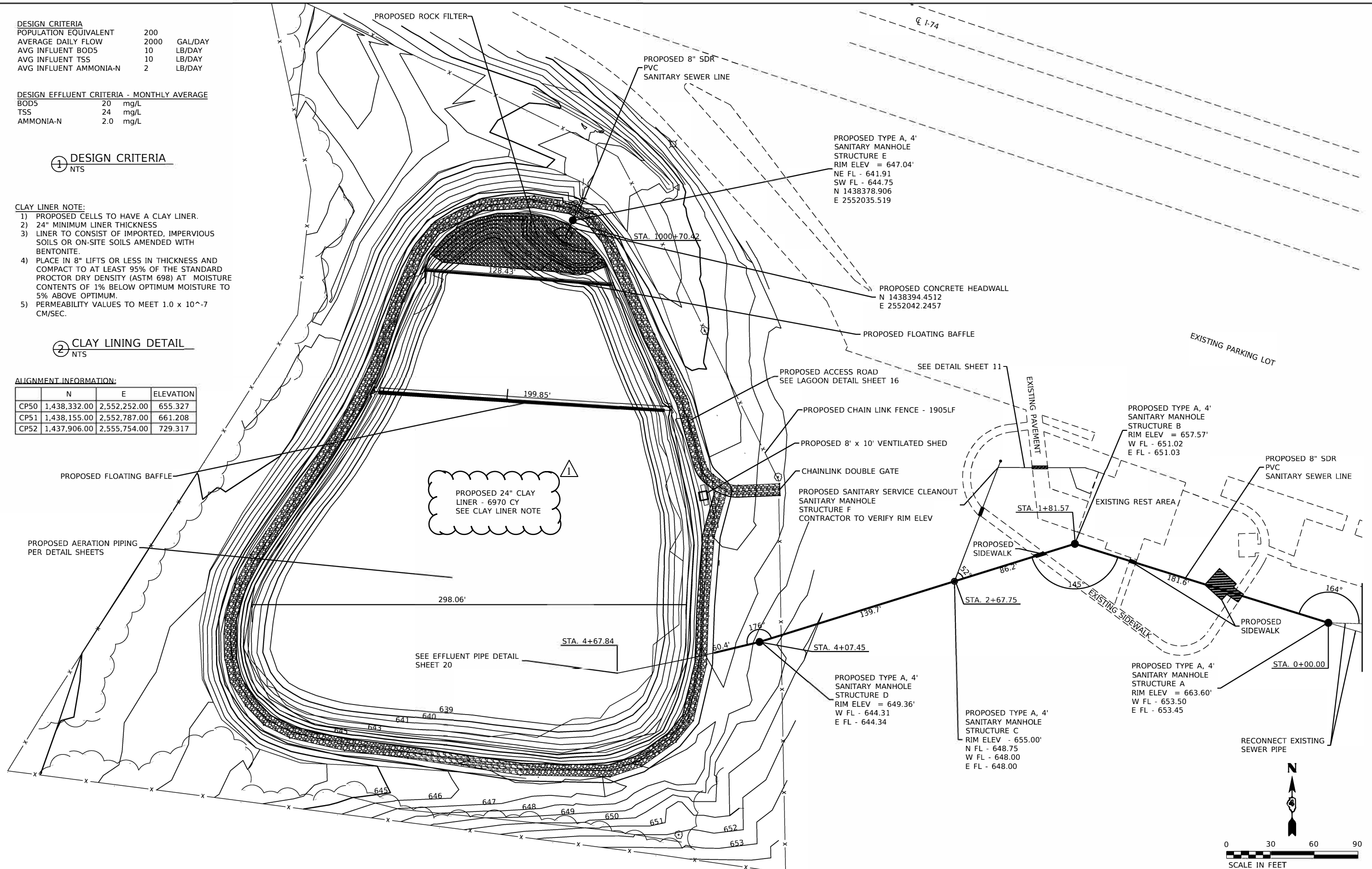
CLAY LINER NOTE:

- 1) PROPOSED CELLS TO HAVE A CLAY LINER.
- 2) 24" MINIMUM LINER THICKNESS
- 3) LINER TO CONSIST OF IMPORTED, IMPERVIOUS SOILS OR ON-SITE SOILS AMENDED WITH BENTONITE.
- 4) PLACE IN 8" LIFTS OR LESS IN THICKNESS AND COMPACT TO AT LEAST 95% OF THE STANDARD PROCTOR DRY DENSITY (ASTM 698) AT MOISTURE CONTENTS OF 1% BELOW OPTIMUM MOISTURE TO 5% ABOVE OPTIMUM.
- 5) PERMEABILITY VALUES TO MEET 1.0×10^{-7} CM/SEC.

② CLAY LINING DETAIL
NTS

ALIGNMENT INFORMATION:

| | N | E | ELEVATION |
|------|--------------|--------------|-----------|
| CP50 | 1,438,332.00 | 2,552,252.00 | 655.327 |
| CP51 | 1,438,155.00 | 2,552,787.00 | 661.208 |
| CP52 | 1,437,906.00 | 2,555,754.00 | 729.317 |



MODEL: Macki_Plan; FILE NAME: P:\Caleburg\21\file213081\DOT - DIST - 4 - PTB 201-033\Work Order 19 - FY 2024 Lagoon\18_Transportation\CADD_Sheets\08_EB_Plan.dgn
 DATE: 2/9/2024

KLINGNER & ASSOCIATES, P.C.
 Engineers - Architects - Surveyors
 Champaign, Illinois

| | | |
|--------------------------|----------------|-----------|
| USER NAME = mjr htc | DESIGNED - ANM | REVISIONS |
| PLOT SCALE = 2,000 / in. | DRAWN - MCR | REVISIONS |
| PLOT DATE = 2/9/2024 | CHECKED - MCL | REVISIONS |
| | DATE - | REVISIONS |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




**MACKI MW DELL EASTBOUND LAGOON
WASTEWATER PLAN OVERVIEW**

SCALE: 1"=30' SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

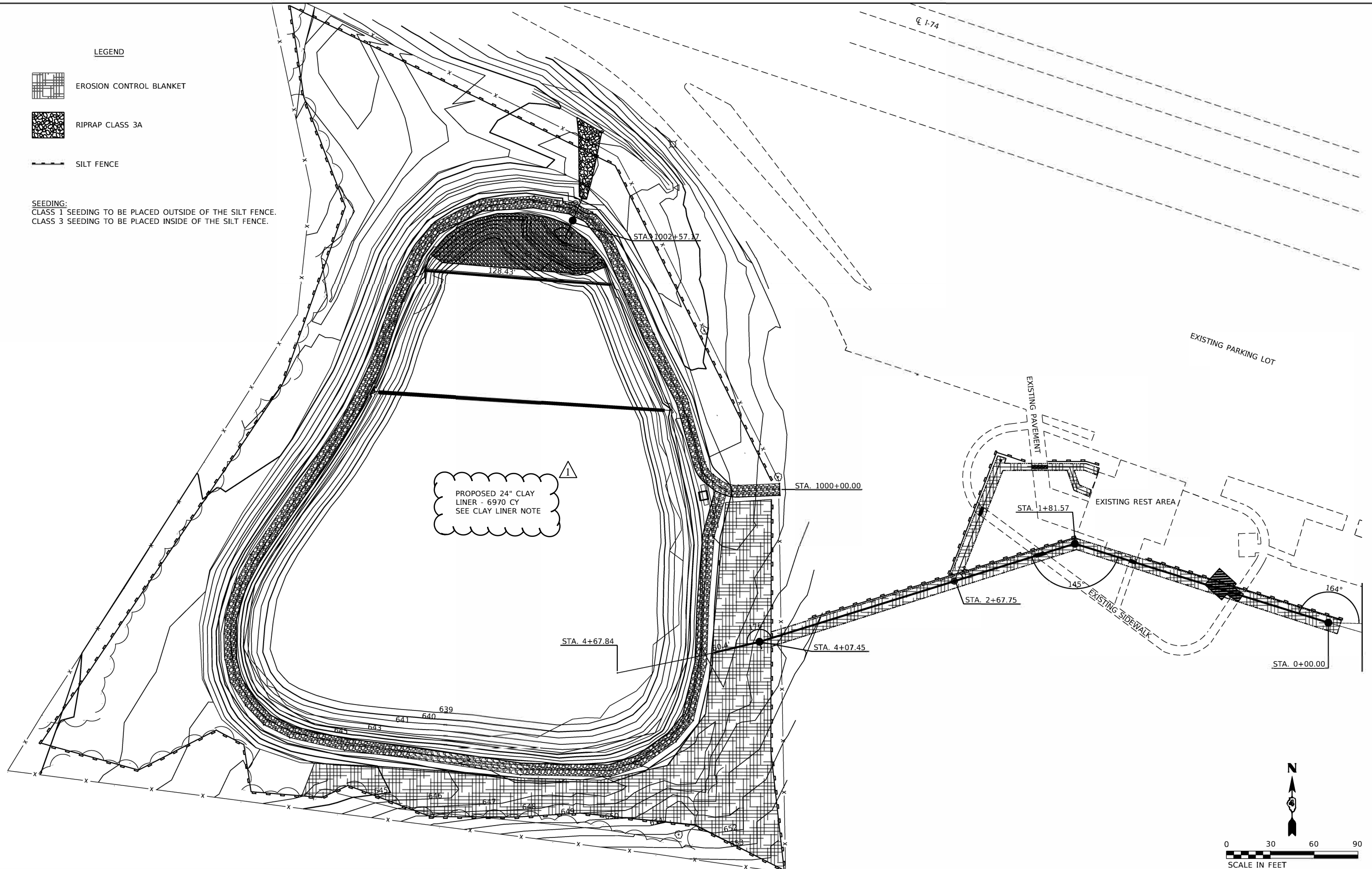
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------------|----------|--------------|-----------|
| 74 | (X3-16RA)I-15 | WOODFORD | 22 | 8 |

CONTRACT NO. 68101
ILLINOIS FEDERAL-AID INTERSTATE

LEGEND

-  EROSION CONTROL BLANKET
-  RIPRAP CLASS 3A
-  SILT FENCE

SEEDING:
 CLASS 1 SEEDING TO BE PLACED OUTSIDE OF THE SILT FENCE.
 CLASS 3 SEEDING TO BE PLACED INSIDE OF THE SILT FENCE.



PROPOSED 24" CLAY LINER - 6970 CY
 SEE CLAY LINER NOTE

MODEL: Model1
 FILE: Mackinaw_Plan_Calesburg2\Files\213081\DOT - DIST - 4 - PTB 201-033\Work Order 19 - FY 2024_Lapona\18_Transportation\CADD_Sheets\11_Erosion_Control.dgn
 CALESBURG ENGINEERS & ARCHITECTS - SURVEYORS
 49 East Third Street
 Burlington, WI 53009
 262.442.4242

KLINGNER & ASSOCIATES, P.C.
 Engineers - Architects - Surveyors
 Calesburg, Illinois
 www.klingner.com

| | | |
|---------------------------|----------------|-----------|
| USER NAME = mirch | DESIGNED - ANM | REVISED - |
| PLOT SCALE = 2.0000 / in. | DRAWN - MCR | REVISED - |
| PLOT DATE = 2/9/2024 | CHECKED - MCL | REVISED + |
| | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MACKINAW DELL EASTBOUND LAGOON
 EROSION CONTROL PLAN**

SCALE: 1"=30' SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------|---------------|----------|--------------|-----------|
| 74 | (X3-16RA)I-15 | WOODFORD | 22 | 11 |
| CONTRACT NO. 68101 | | | | |
| ILLINOIS FEDERAL-AID INTERSTATE | | | | |