

Appendix A

Construction Drawings

INDEX OF DRAWINGS

- 1-2 SITE PLAN WEST BOUND
- 2-2 SITE PLAN EAST BOUND

GENERAL CONDITIONS

1. THESE DRAWINGS ARE PROVIDED FOR PRICING AND GENERAL CONSTRUCTION. CONTRACTORS SHALL VERIFY EXISTING CONDITIONS AT TIME OF BIDDING AND NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY WHEN DISCREPANCIES ARE DISCOVERED.
2. ALL CONSTRUCTION DEBRIS MUST BE DISPOSED OF BY THIS CONTRACTOR.
3. ANY PERMITS REQUIRED TO START AND COMPLETE THIS PROJECT SHALL BE OBTAINED AND PAID FOR BY THIS CONTRACTOR.
4. ALL DISCHARGES TO WATERS OF THE STATE MUST MEET THE APPLICABLE REQUIREMENTS OF THE MISSOURI STATE OPERATING PERMITS MADE PART OF THESE BIDDING DOCUMENTS. ALL TESTING AND SAMPLING REQUIRED BY EXISTING PERMITS AND THE LAGOON CLOSURE PLAN SHALL BE PERFORMED BY MODOOT FORCES.
5. ALL LAND DISTURBANCE ACTIVITIES ARE AUTHORIZED BY, AND THEREFORE MUST COMPLY WITH, CURRENT MODOOT STATE OPERATING PERMITS AND SHPPP. ALL TEMPORARY AND PERMANENT BMPs FOR EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED, MAINTAINED AND INSPECTED UNTIL THE PROJECT ACHIEVES FINAL STABILIZATION IN ACCORDANCE WITH PERMIT. UPON ACHIEVING FINAL STABILIZATION, ALL TEMPORARY BMPs SHALL BE REMOVED AND, IF NECESSARY, THOSE AREAS APPROPRIATELY SHAPED AND PERMANENTLY STABILIZED. PERIMETER AND OUTFALL BMPs SHALL BE INSTALLED PRIOR TO INITIATING LAND DISTURBANCE ACTIVITIES.
6. LAND DISTURBANCE ACTIVITIES OF ONE ACRE OR MORE REQUIRE A MISSOURI STATE OPERATING PERMIT TO DISCHARGE STORM WATER (10 CSR 20-6.200). THE PERMIT REQUIRES BEST MANAGEMENT PRACTICES SUFFICIENT TO CONTROL RUNOFF AND SEDIMENTATION TO PROTECT WATERS OF THE STATE. MODOOT'S PERMIT #MO-R100007 COVERS THIS LAND DISTURBANCE ACTIVITY STATEWIDE.
7. ALL EXISTING SURFACES INDICATED TO REMAIN AS EXISTING FINISHED SURFACES OR SUBSTRATES OF NEW FINISHES ARE TO BE REPLACED TO ORIGINAL CONDITION IF DAMAGED BY WORK PERFORMED UNDER THIS CONTRACT, AT NO ADDITIONAL COST TO OWNER.
8. SEED AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION, PER MODOOT SPECIFICATIONS IMMEDIATELY AFTER FINAL GRADING.
9. ALL EXISTING UTILITIES INDICATED ON THE DRAWINGS ARE ACCORDING TO THE BEST INFORMATION AVAILABLE; HOWEVER, ALL UTILITIES ACTUALLY EXISTING MAY NOT BE SHOWN. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF SAME SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
10. REMOVAL OF ANY SEWER LINE, SERVICE LINE, OR PUMPS OR FOUNDATIONS THEREOF REQUIRED FOR THE CLOSURE OF THE LAGOON CELLS FOR THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT HIS EXPENSE.
11. WHEN FINAL CLOSURE IS COMPLETE, CONTRACTOR SHALL NOTIFY MDOIR, IN WRITING, THAT THE LAGOONS HAVE BEEN CLOSED IN ACCORDANCE WITH THE APPROVED PLAN.

MISSOURI DEPARTMENT
OF TRANSPORTATION

WASTE WATER SEWER LAGOON CLOSURE
at
I-70 Rest Areas
NORTHEAST DISTRICT - Mineola, Missouri
Montgomery County



COVER SHEET

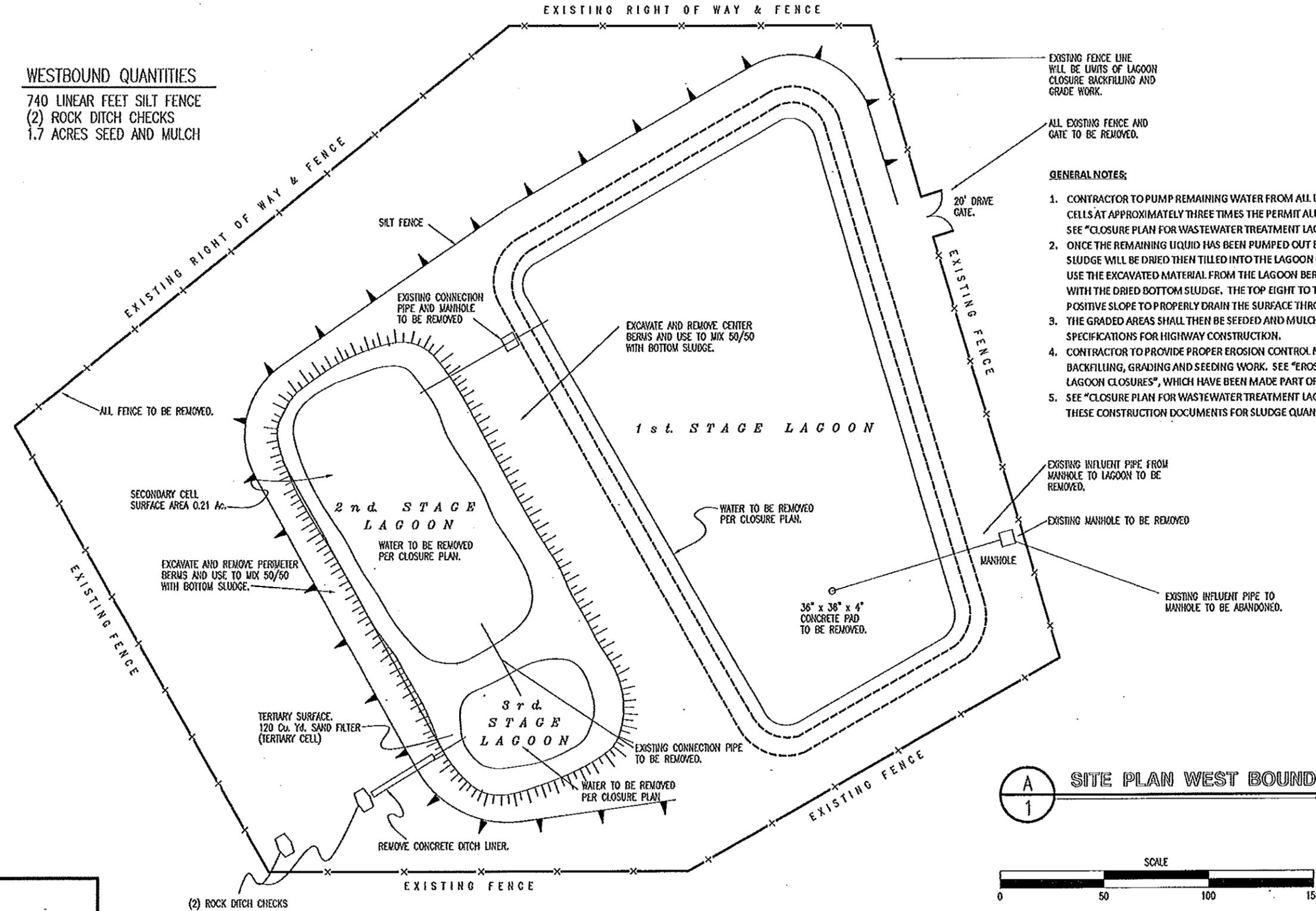
MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

MINEOLA LAGOON CLOSING
Northeast District - Montgomery County

DRAWN BY: LARRY CARRIER
CHECKED BY: DONALD RECORD
DATE: 4-8-12
Sheet
- OF -

WESTBOUND QUANTITIES

740 LINEAR FEET SILT FENCE
 (2) ROCK DITCH CHECKS
 1.7 ACRES SEED AND MULCH



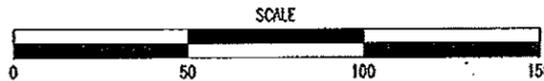
EXISTING FENCE LINE WILL BE LIMITS OF LAGOON CLOSURE BACKFILLING AND GRADE WORK.

ALL EXISTING FENCE AND GATE TO BE REMOVED.

GENERAL NOTES:

1. CONTRACTOR TO PUMP REMAINING WATER FROM ALL LAGOON CELLS. CONTRACTOR MAY PUMP CELLS AT APPROXIMATELY THREE TIMES THE PERMIT ALLOWANCE OR 27,000 GALLONS PER DAY. SEE "CLOSURE PLAN FOR WASTEWATER TREATMENT LAGOON" FOR PUMPING INSTRUCTIONS.
2. ONCE THE REMAINING LIQUID HAS BEEN PUMPED OUT BY THE CONTRACTOR, THE REMAINING SLUDGE WILL BE DRIED THEN TILLED INTO THE LAGOON CELL BOTTOM. THE CONTRACTOR WILL USE THE EXCAVATED MATERIAL FROM THE LAGOON BERMS AND EMBANKMENTS TO MIX 50/50 WITH THE DRIED BOTTOM SLUDGE. THE TOP EIGHT TO TEN INCHES SHALL BE GRADED WITH POSITIVE SLOPE TO PROPERLY DRAIN THE SURFACE THROUGH THE EXCAVATED OPENING.
3. THE GRADED AREAS SHALL THEN BE SEEDED AND MULCHED PER MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
4. CONTRACTOR TO PROVIDE PROPER EROSION CONTROL MEASURES USING BMP METHODS DURING BACKFILLING, GRADING AND SEEDING WORK. SEE "EROSION CONTROL INSTRUCTIONS FOR LAGOON CLOSURES", WHICH HAVE BEEN MADE PART OF THESE CONSTRUCTION DOCUMENTS.
5. SEE "CLOSURE PLAN FOR WASTEWATER TREATMENT LAGOON", WHICH HAVE BEEN MADE PART OF THESE CONSTRUCTION DOCUMENTS FOR SLUDGE QUANTITIES.

A
1 SITE PLAN WEST BOUND



REVISED 4-17-12

SITE PLAN WEST BOUND

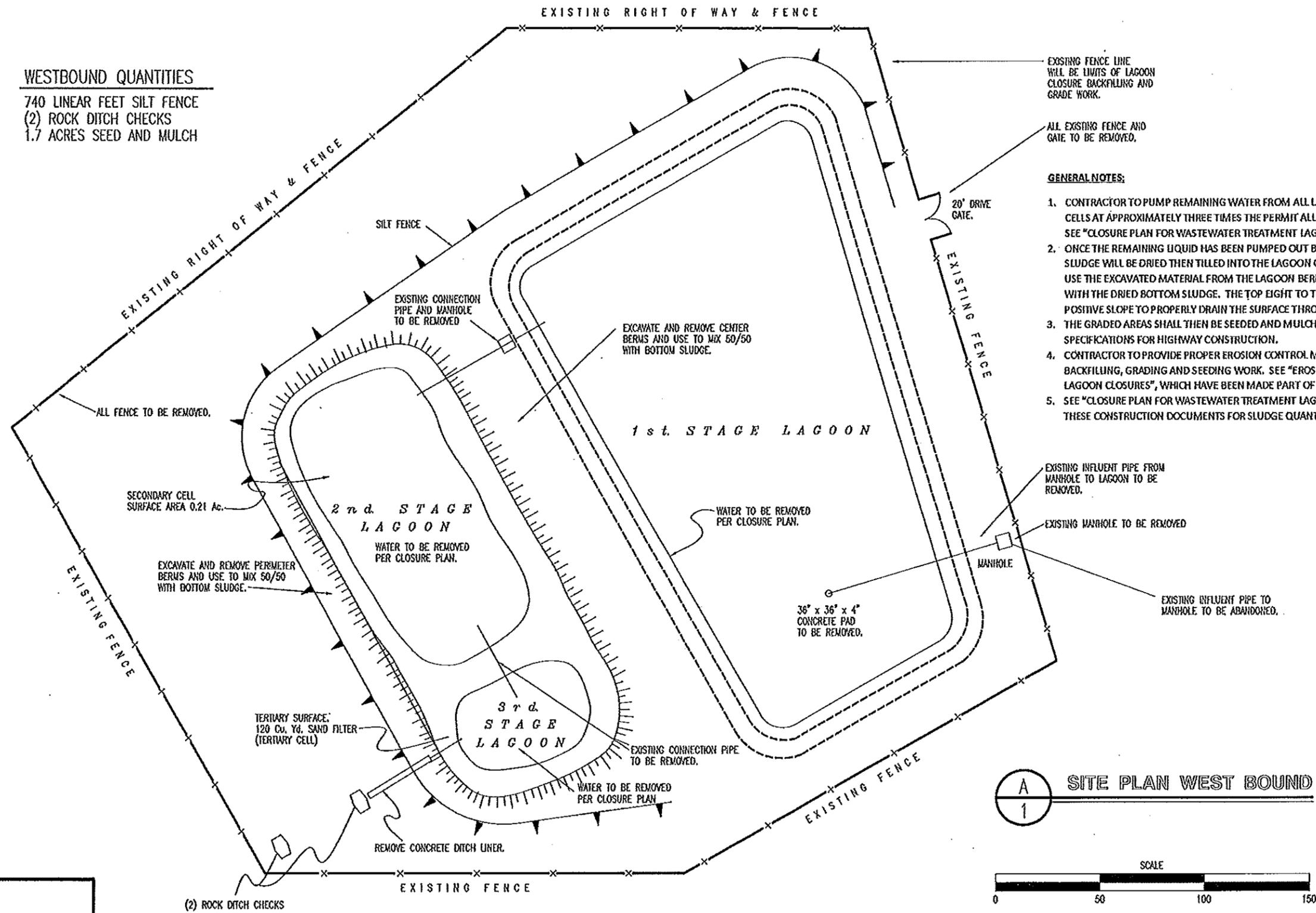
MISSOURI DEPARTMENT
 OF TRANSPORTATION
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 FACILITIES MANAGEMENT

MINEOLA LAGOON CLOSING
 Northeast District - Montgomery County

DRAWN BY: LARRY CARYER
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DATE: 1-8-12
Sheet 1 of 2

WESTBOUND QUANTITIES

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 (2) ROCK DITCH CHECKS
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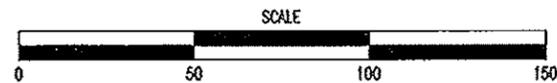
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EXISTING INFLUENT PIPE FROM MANHOLE TO LAGOON TO BE REMOVED.

EXISTING MANHOLE TO BE REMOVED

EXISTING INFLUENT PIPE TO MANHOLE TO BE ABANDONED.

A
1
SITE PLAN WEST BOUND



REVISED 4-17-12

SITE PLAN EAST BOUND

MISSOURI DEPARTMENT OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

MINEOLA LAGOON CLOSING
 Northeast District - Montgomery County

DRAWN BY: LARRY CARVER
 CHECKED BY: BOB ROSS
 DATE: 4-6-12
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 2 of 2