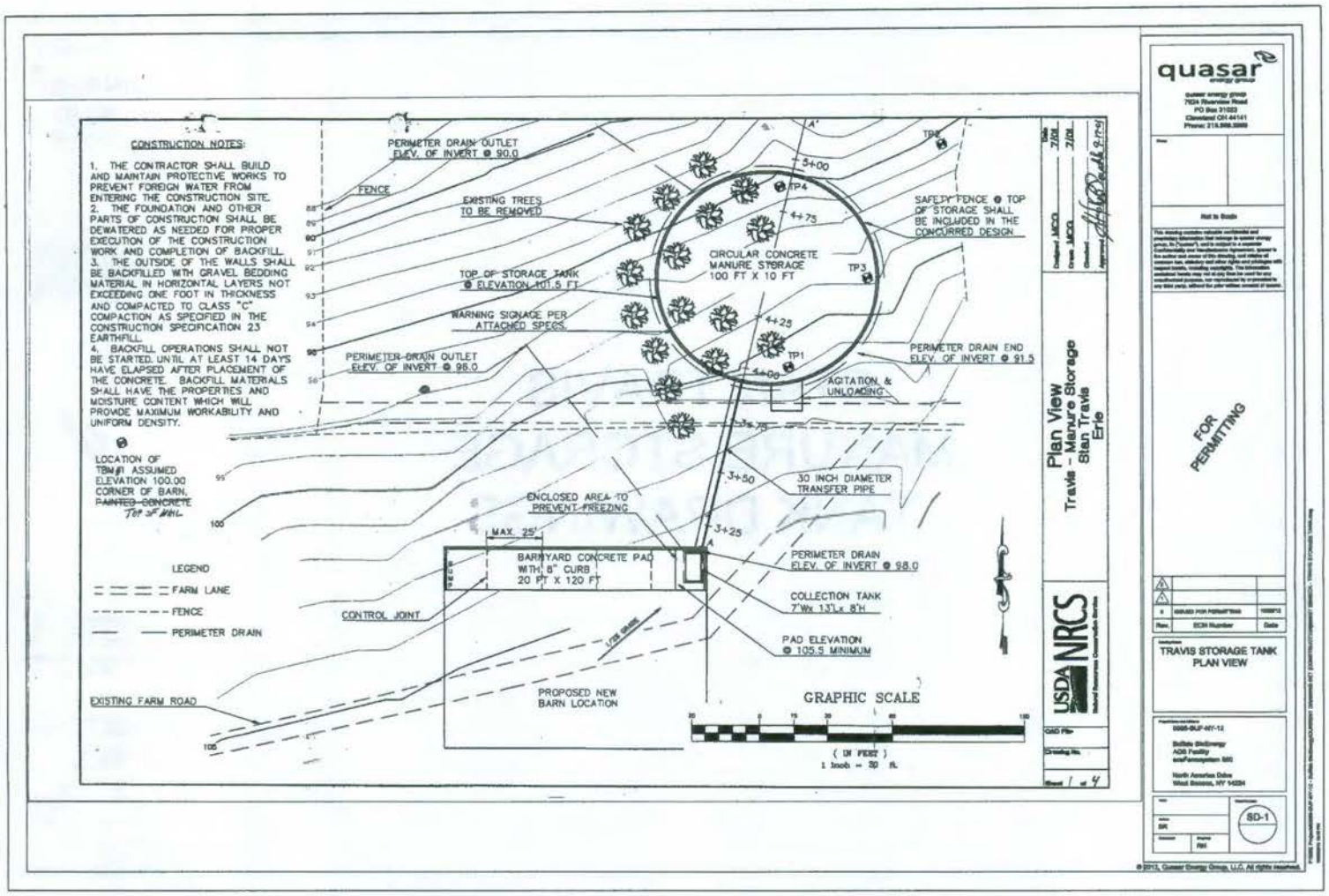
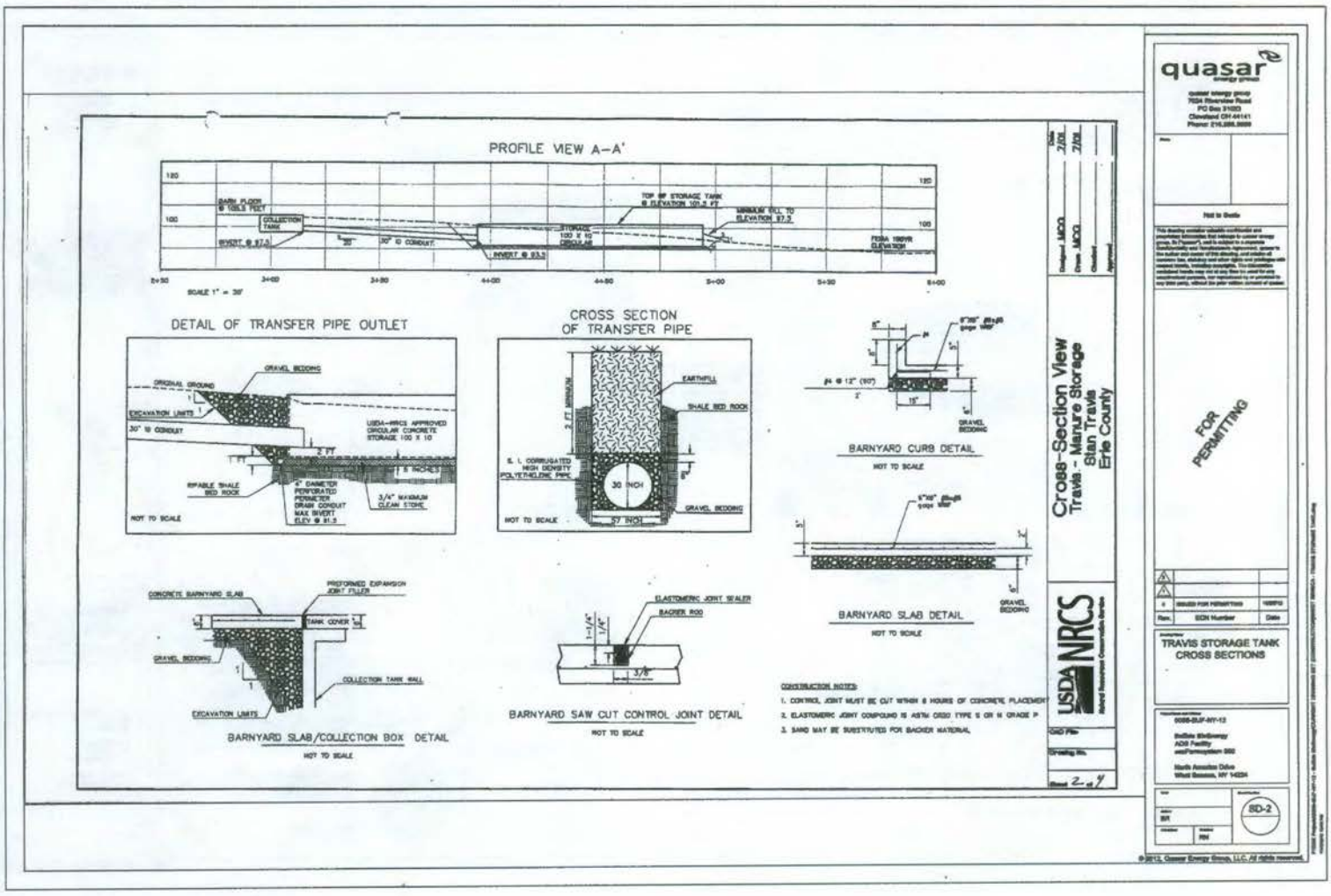
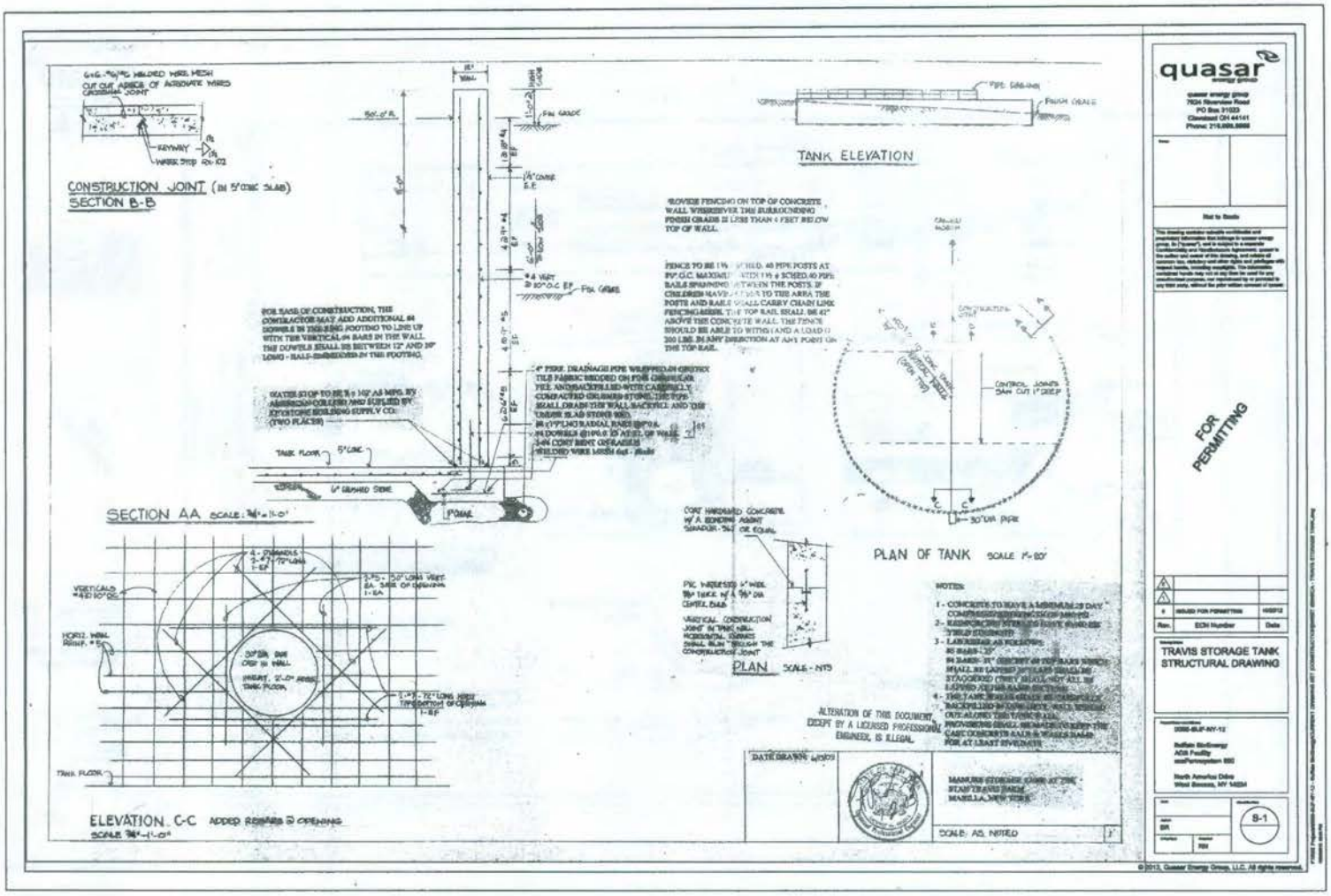
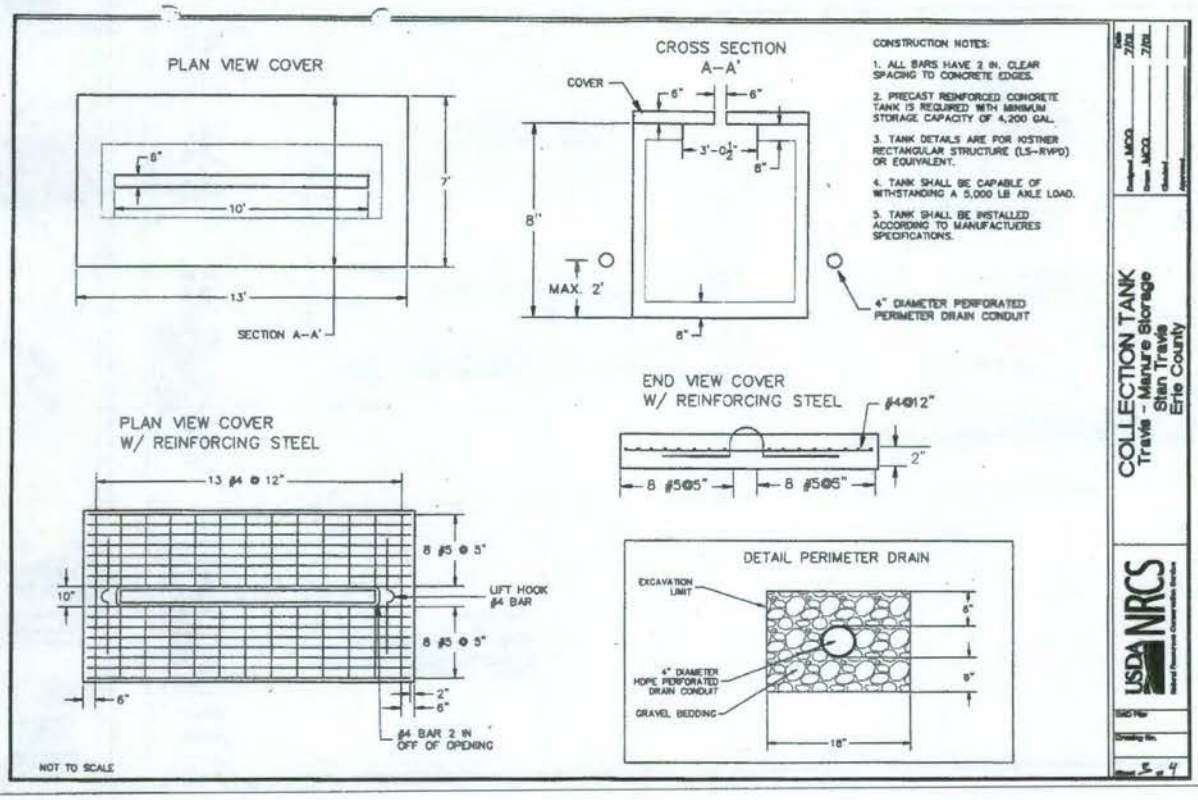
STAN TRAVIS
MANURE STORAGE
TANK DRAWINGS


CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL BUILD AND MAINTAIN PROTECTIVE WORKS TO PREVENT FOREIGN WATER FROM ENTERING THE CONSTRUCTION SITE.
2. THE FOUNDATION AND OTHER PARTS OF CONSTRUCTION SHALL BE DEWATERED AS NEEDED FOR PROPER EXECUTION OF THE CONSTRUCTION WORK AND COMPLETION OF BACKFILL.
3. THE OUTSIDE OF THE WALLS SHALL BE BACKFILLED WITH GRAVEL BEDDING MATERIAL IN HORIZONTAL LAYERS NOT EXCEEDING ONE FOOT IN THICKNESS AND COMPACTED TO CLASS "C" COMPACTION AS SPECIFIED IN THE CONSTRUCTION SPECIFICATION 23 EARTHFILL.
4. BACKFILL OPERATIONS SHALL NOT BE STARTED UNTIL AT LEAST 14 DAYS HAVE ELAPSED AFTER PLACEMENT OF THE CONCRETE. BACKFILL MATERIALS SHALL HAVE THE PROPERTIES AND MOISTURE CONTENT WHICH WILL PROVIDE MAXIMUM WORKABILITY AND UNIFORM DENSITY.
LOCATION OF TBM#1 ASSUMED ELEVATION 100.00 CORNER OF BARN, ~~PAINTED CONCRETE~~ TOP OF WALL
LEGEND
FARM LANE
FENCE
PERIMETER DRAIN
PERIMETER DRAIN OUTLET ELEV. OF INVERT @ 90.0
FENCE
EXISTING TREES TO BE REMOVED
TOP OF STORAGE TANK @ ELEVATION 101.5 FT
WARNING SIGNAGE PER ATTACHED SPECS.
PERIMETER DRAIN OUTLET ELEV. OF INVERT @ 96.0
CIRCULAR CONCRETE MANURE STORAGE 100 FT X 10 FT
SAFETY FENCE @ TOP OF STORAGE SHALL BE INCLUDED IN THE CONCURRED DESIGN
PERIMETER DRAIN END ELEV. OF INVERT @ 91.5
AGITATION & UNLOADING
30 INCH DIAMETER TRANSFER PIPE
ENCLOSED AREA TO PREVENT FREEZING
MAX. 25'
BARNYARD CONCRETE PAD WITH 8" CURB 20 FT X 120 FT
PERIMETER DRAIN ELEV. OF INVERT @ 98.0
COLLECTION TANK 7'Wx 13'Lx 8'H
PAD ELEVATION @ 105.5 MINIMUM
CONTROL JOINT
EXISTING FARM ROAD
PROPOSED NEW BARN LOCATION
GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.
Plan View
Travis - Manure Storage
Stan Travis
Erie
USDA NRCS
quasar
FOR PERMITTING
TRAVIS STORAGE TANK PLAN VIEW
SD-1


PROFILE VIEW A-A'
SCALE 1" = 30'
DETAIL OF TRANSFER PIPE OUTLET
CROSS SECTION OF TRANSFER PIPE
BARNYARD CURB DETAIL
NOT TO SCALE
BARNYARD SLAB DETAIL
NOT TO SCALE
BARNYARD SLAB/COLLECTION BOX DETAIL
NOT TO SCALE
BARNYARD SAW CUT CONTROL JOINT DETAIL
NOT TO SCALE
CONSTRUCTION NOTES:
1. CONTROL JOINT MUST BE CUT WITHIN 8 HOURS OF CONCRETE PLACEMENT
2. ELASTOMERIC JOINT COMPOUND IS ASTM C920 TYPE S OR N GRADE P
3. SAND MAY BE SUBSTITUTED FOR BACKER MATERIAL
Cross-Section View
Travis - Manure Storage
Stan Travis
Erie County
USDA NRCS
quasar
FOR PERMITTING
TRAVIS STORAGE TANK CROSS SECTIONS
SD-2


CONSTRUCTION JOINT (IN 5" CONC SLAB)
SECTION B-B
TANK ELEVATION
SECTION AA
PLAN OF TANK
PLAN
ELEVATION C-C ADDED REBARS @ OPENING
quasar
FOR PERMITTING
TRAVIS STORAGE TANK
STRUCTURAL DRAWING
S-1



CONSTRUCTION NOTES:

1. ALL BARS HAVE 2 IN. CLEAR SPACING TO CONCRETE EDGES.
2. PRECAST REINFORCED CONCRETE TANK IS REQUIRED WITH MINIMUM STORAGE CAPACITY OF 4,200 GAL.
3. TANK DETAILS ARE FOR KISTNER RECTANGULAR STRUCTURE (LS-RVPD) OR EQUIVALENT.
4. TANK SHALL BE CAPABLE OF WITHSTANDING A 5,000 LB AXLE LOAD.
5. TANK SHALL BE INSTALLED ACCORDING TO MANUFACTUERES SPECIFICATIONS.

Designed MCG 7/01
Drawn MCG 7/01
Checked
Approved

COLLECTION TANK
Travis - Manure Storage
Stan Travis
Erie County

USDA NRCS
Natural Resources Conservation Service

DAD File
Drawing No.
Sheet 3 of 4

quasar energy group
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PO Box 31023
Cleveland OH 44141
Phone: 216.556.8000

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TRAVIS MANURE STORAGE
COLLECTION TANK
STRUCTURAL DRAWING

0065-SUP-NY-13
Buffalo Stationary
ADS Facility
Ann Pennington 2003
North America Drive
West Seneca, NY 14224

S-2

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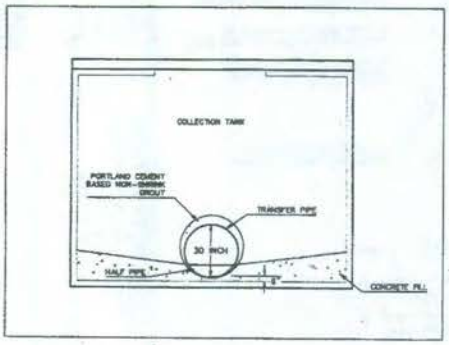
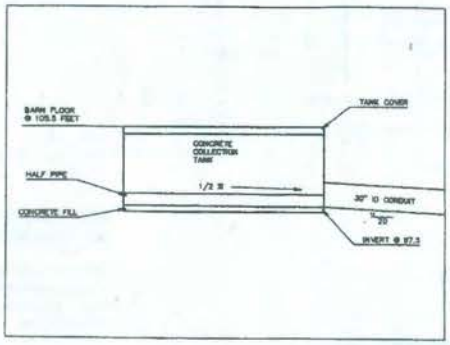
CROSS SECTION
OF TRANSFER PIPE/
COLLECTION TANK



PROFILE COLLECTION
TANK/TRANSFER PIPE



CONSTRUCTION NOTES:

1. COLLECTION TANK SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS.

2. GROUT MATERIAL SHALL BE A PORTLAND CEMENT BASED NON-SHRINK GROUT OR AS SPECIFIED BY THE MANUFACTURER.

NOT TO SCALE

USDA NRCS
Natural Resources Conservation Service

COLLECTION TANK
Travis - Manure Storage
Stan Travis
Erie County

CAD File:

Drawing No.

Sheet 4 of 4

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TRAVIS MANURE STORAGE
COLLECTION TANK
CROSS SECTIONS

05656-SLF-NY-12

Selkie Electricity
AD8 Facility
xxxPermopticon 666

North Amoritas Drive
West Seaxon, NY 14224

BR

RSI

S-3

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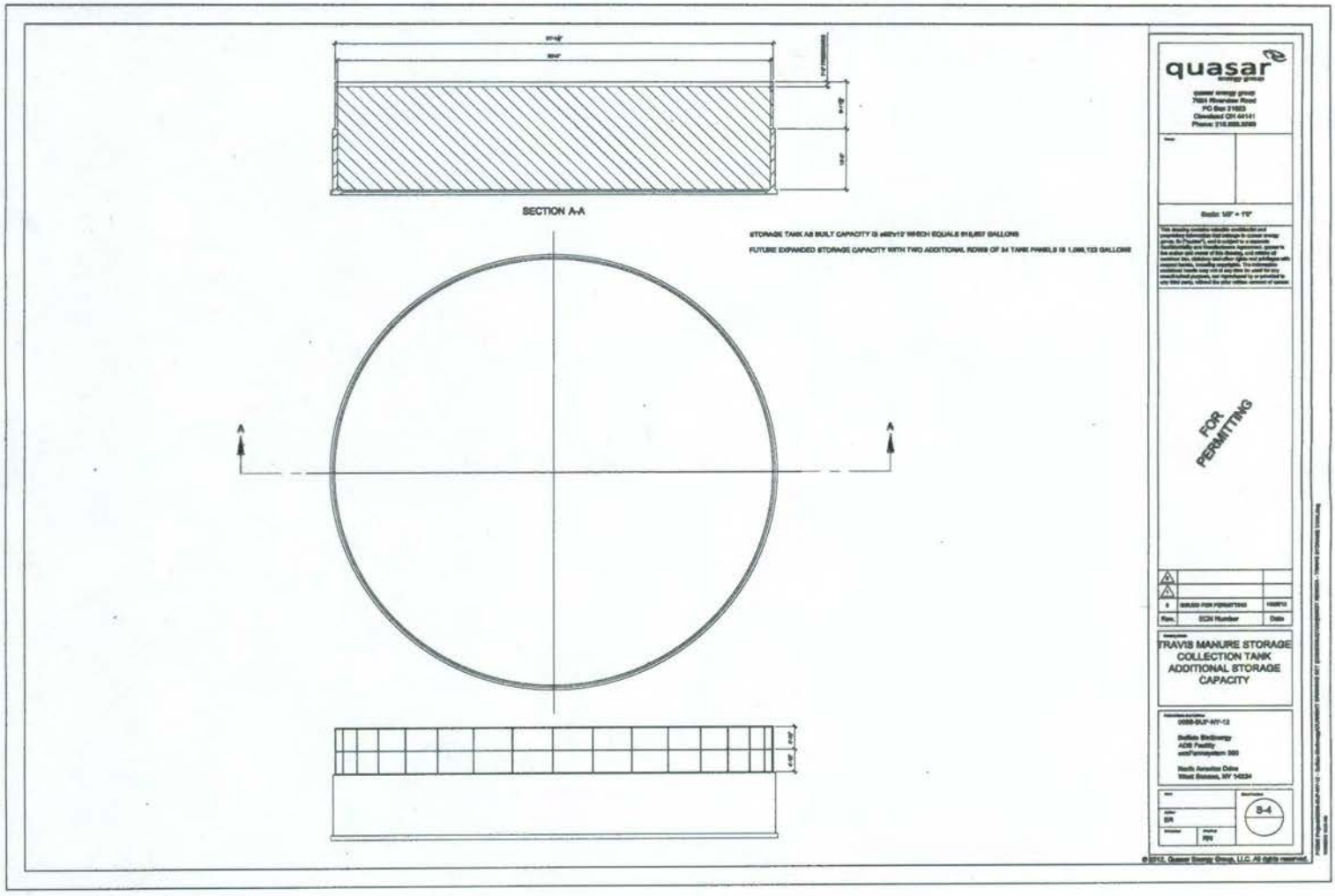
SECTION A-A
STORAGE TANK AS BUILT CAPACITY IS ø82'x12' WHICH EQUALS 616,657 GALLONS
FUTURE EXPANDED STORAGE CAPACITY WITH TWO ADDITIONAL ROWS OF 34 TANK PANELS IS 1,066,122 GALLONS
A
A
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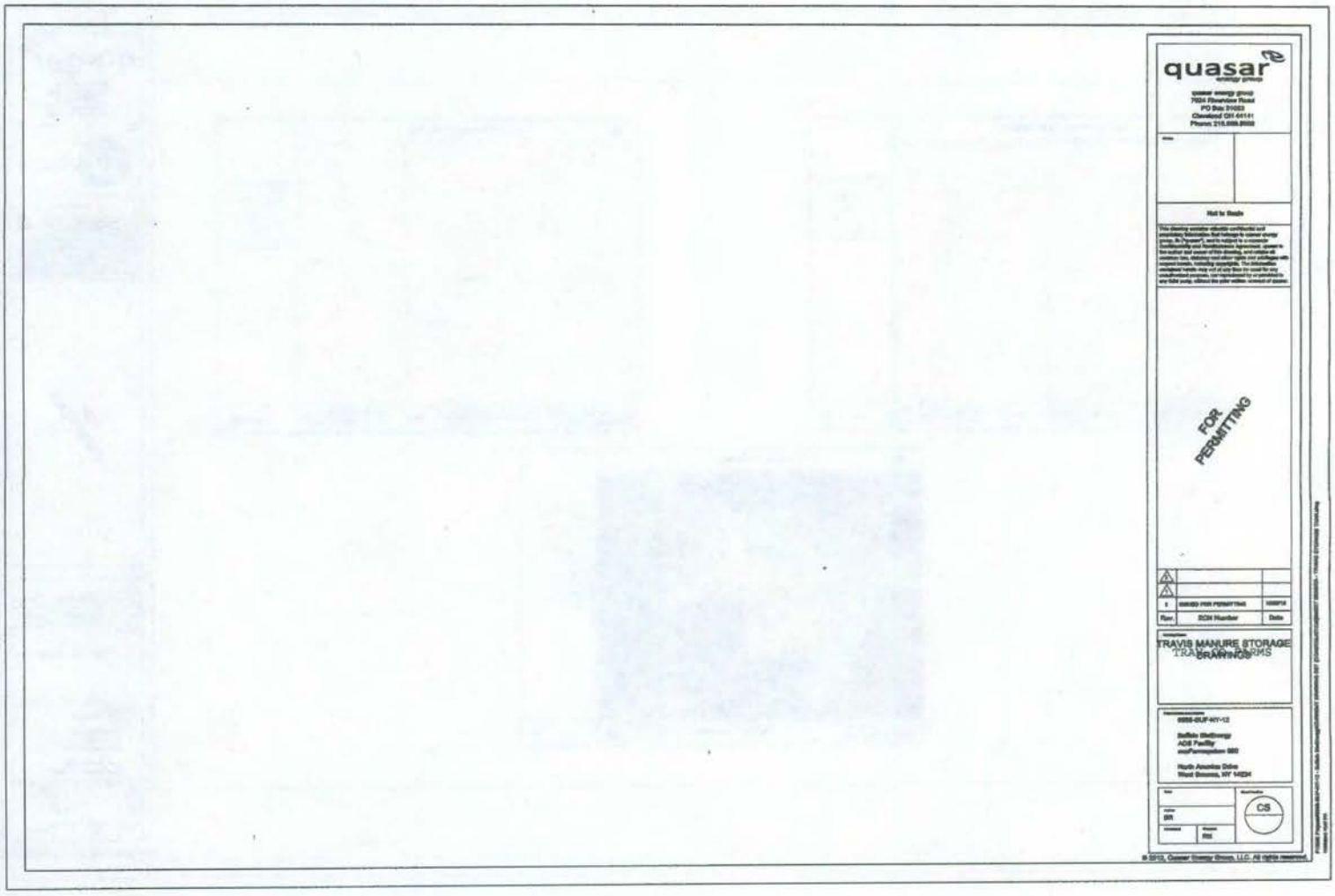
FOR PERMITTING
TRAVIS MANURE STORAGE
COLLECTION TANK
ADDITIONAL STORAGE
CAPACITY
S-4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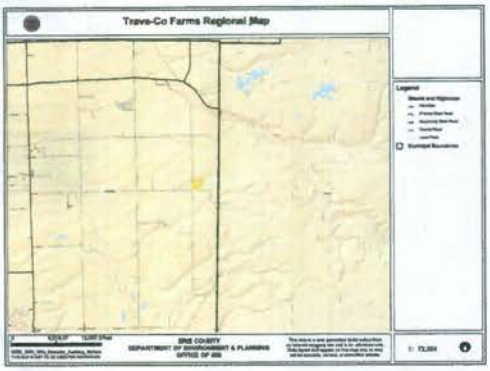
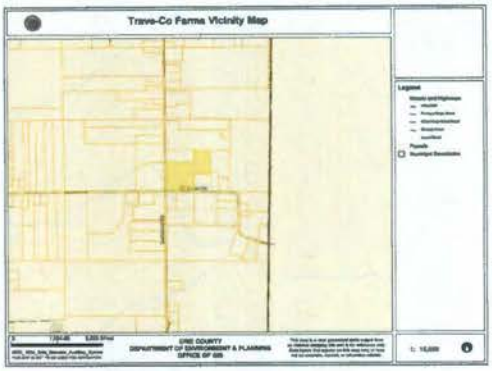
FOR PERMITTING
TRAVIS MANURE STORAGE
C5





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2		
1		
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TRAV-CO FARMS

0088-BUF-NY-12

Buffalo BioEnergy
ADS Facility
Farmingdale 880

North Alaska Drive
West Seneca, NY 14224

FS-1

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Trav-Co Farms
Storage Tank Facility
Sustainable BioVolt, LLC

Trav-Co Farms
Storage Tank Facility
Sustainable BioVolt, LLC

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TRAVIS STORAGE TANK
CROSS SECTIONS

Sullivan BioEnergy
ADS Facility
and Farmingdale BIO

North America Drive
West Seneca, NY 14224

SD-2

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USGS
science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

The National Map
US Topo

COWLESVILLE QUADRANGLE
NEW YORK
7.5-MINUTE SERIES

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 17T
10 000-foot tick: New York Coordinate System of 1983
(east zone)

Imagery ..... NAIP, July 2009
Roads ..... US Census Bureau TIGER data
with limited USGS updates, 2005 - 2009
Names ..... GNIS, 2010
Hydrography ..... National Hydrography Dataset, 2009
Contours ..... National Elevation Dataset, 1999

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET

This map was produced to conform with version 0.5.10 of the
draft USGS Standards for 7.5-Minute Quadrangle Maps.
A metadata file associated with this product is also draft version 0.5.10

ROAD CLASSIFICATION

Interstate Route
US Route
Ramp
State Route
Local Road
4WD

COWLESVILLE, NY
2010