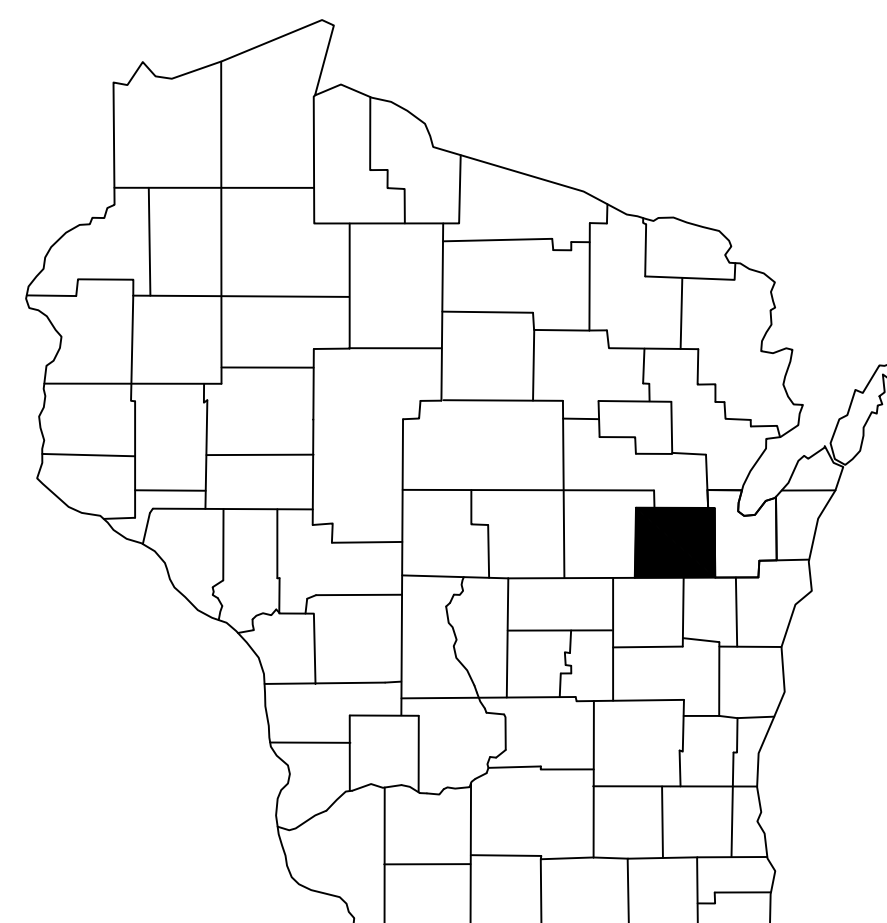


Straightline Refrigeration

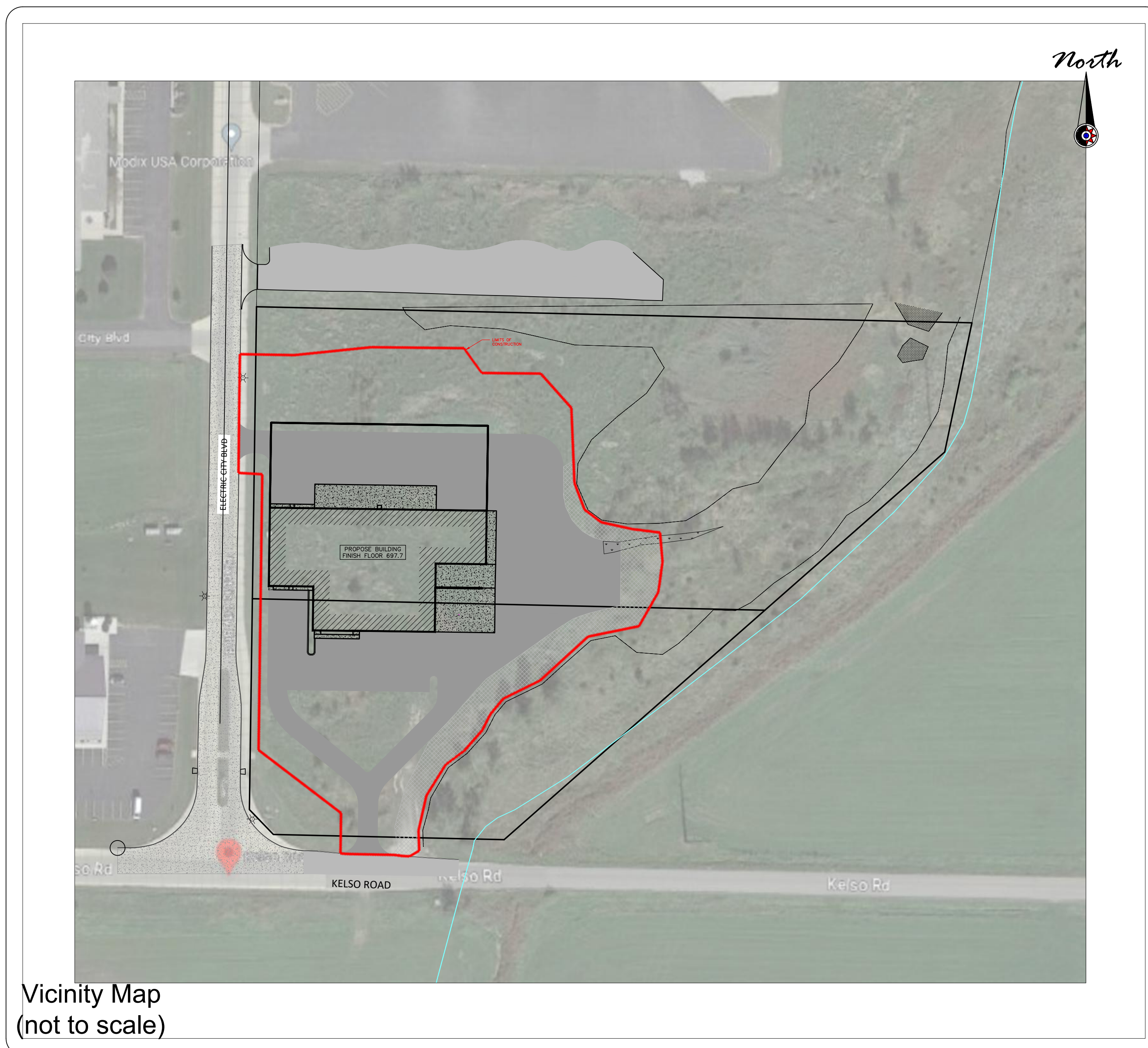
City of Kaukauna
Outagamie County, WI



SITE STATISTICS

BEFORE CONSTRUCTION
SITE AREA: 9.73 ACRES
PAVEMENT: 0 ACRES (0%)
BUILDINGS: 0 ACRES (0%)
GREEN SPACE: 9.73 ACRES (100%)
IMPERVIOUS: 0 ACRES (0%)

AFTER CONSTRUCTION
SITE AREA: 9.73 ACRES
PAVEMENT: 2.19 ACRES (22.5%)
BUILDING: 0.74 ACRES (7.6%)
GREEN SPACE: 6.80 ACRES (69.9%)
(IMPERVIOUS: 2.93 ACRES (30.1%))



Vicinity Map
(not to scale)

Mau & Associates
LAND SURVEYING & PLANNING
CIVIL & WATER RESOURCE ENGINEERING
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PROJECT INFORMATION

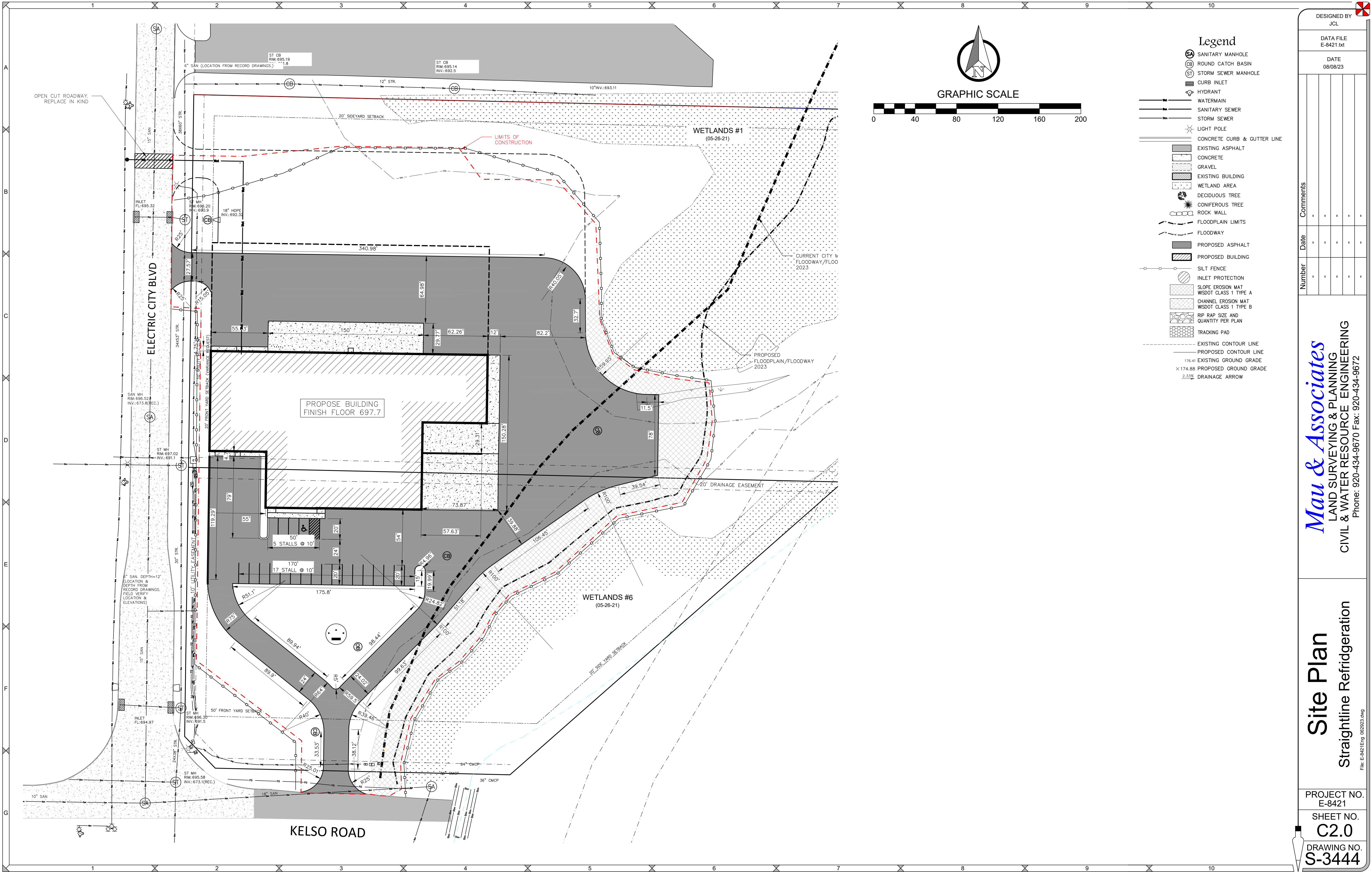
OWNER(S):	Straightline Refrigeration
PROJECT NAME:	Office & Fabrication Shop
PROJECT DESCRIPTION:	32,000 S.F. Building and associated pavement/parking
PROJECT LOCATION:	Northeast Corner of Electric City Blvd. & Kelso Road
PARCEL NUMBER(S):	2-1128 & 2-1129

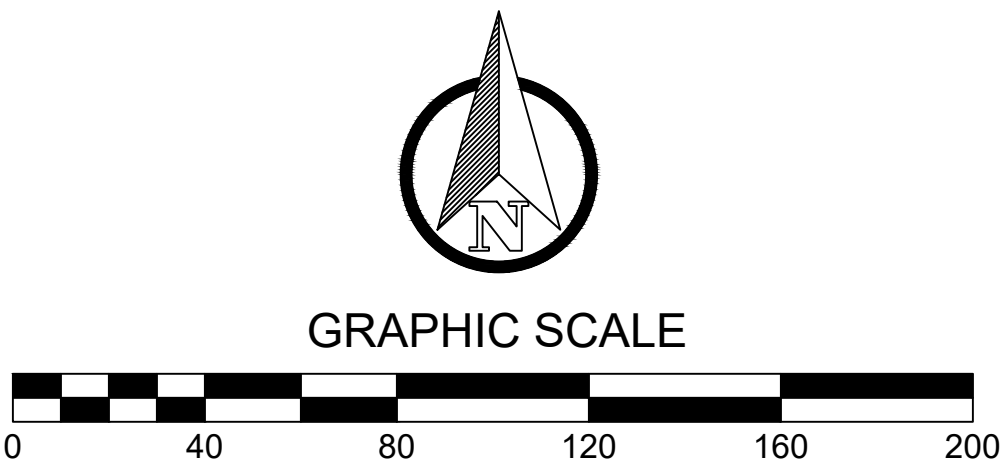
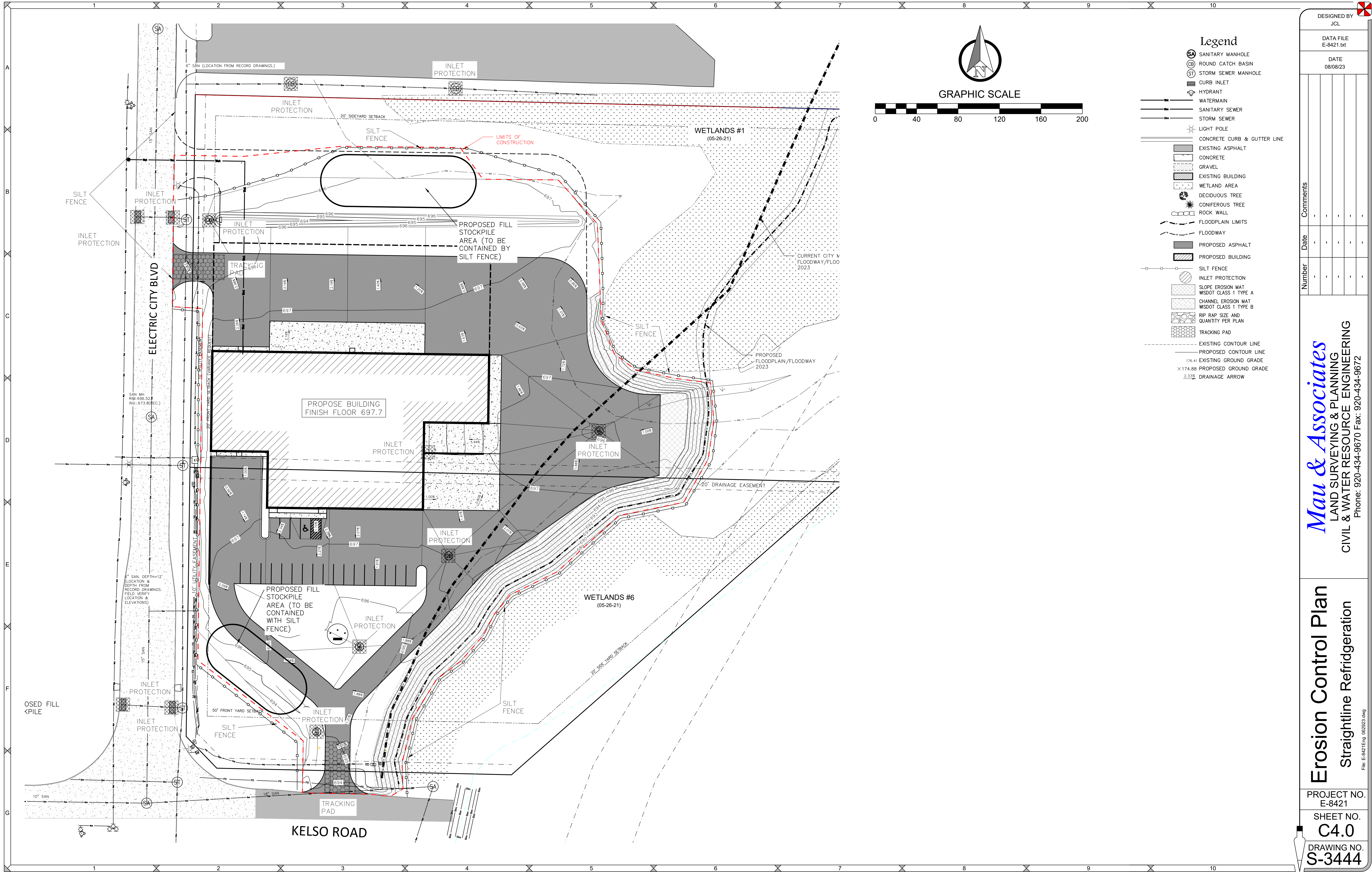
CONTACT INFORMATION

OWNER(S):	Straightline Refrigeration Nate Luedtke , Korry Boisvert 1925 W. Packard St. Appleton, WI 54914 PH.: 920-903-1043
ENGINEER:	Vierbicher Contact: Tonya Wagner, P.E. 400 Security Blvd. Suite 1 Green Bay, WI 54313-9712 Ph.: 920-434-9670

SHEET INDEX:
C1.0 TITLE SHEET
C2.0 SITE LAYOUT PLAN
C3.0 EXISTING SITE
C4.0 EROSION CONTROL PLAN
C5.0 GRADING & SITE UTILITY PLAN
C6.0 NOTES & DETAILS
C6.1 NOTES & DETAILS
C7.0 EXISTING WATERSHED
C8.0 PROPOSED WATERSHED
C9.0 DSPTS ISOMETRIC PLAN

DATE:	08/08/23
PROJECT NO.	E-8421
SHEET NO.	C1.0
DRAWING NO.	S-3444





- Legend**
- SANITARY MANHOLE (SA)
 - ROUND CATCH BASIN (CB)
 - STORM SEWER MANHOLE (ST)
 - CURB INLET
 - HYDRANT
 - WATERMAIN
 - SANITARY SEWER
 - STORM SEWER
 - LIGHT POLE
 - CONCRETE CURB & GUTTER LINE
 - EXISTING ASPHALT
 - CONCRETE
 - GRAVEL
 - EXISTING BUILDING
 - WETLAND AREA
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - ROCK WALL
 - FLOODPLAIN LIMITS
 - FLOODWAY
 - PROPOSED ASPHALT
 - PROPOSED BUILDING
 - SILT FENCE
 - INLET PROTECTION
 - SLOPE EROSION MAT WSDOT CLASS 1 TYPE A
 - CHANNEL EROSION MAT WSDOT CLASS 1 TYPE B
 - RIP RAP SIZE AND QUANTITY PER PLAN
 - TRACKING PAD
 - EXISTING CONTOUR LINE
 - PROPOSED CONTOUR LINE
 - 176.41 EXISTING GROUND GRADE
 - 174.88 PROPOSED GROUND GRADE
 - 2.33% DRAINAGE ARROW

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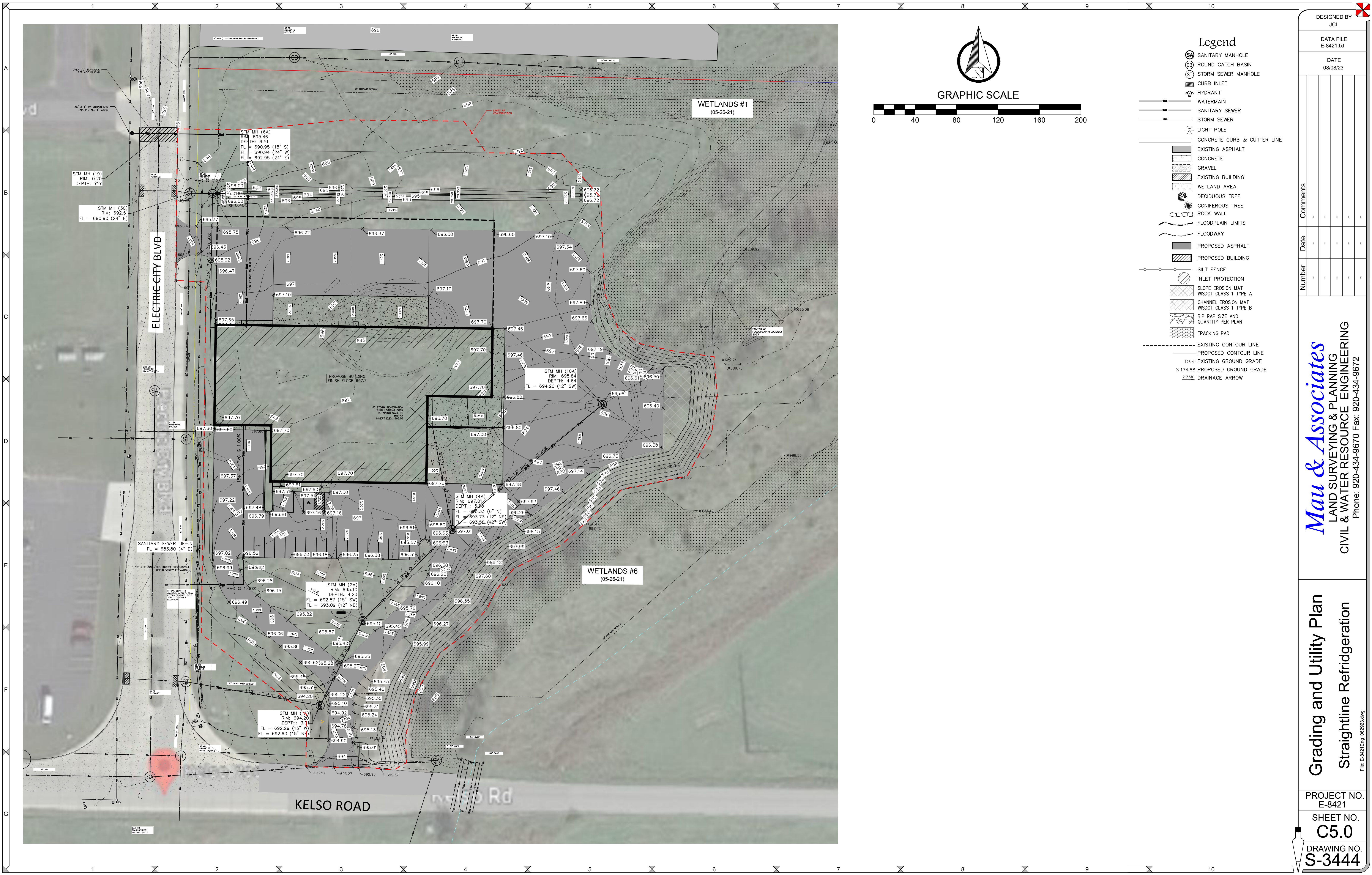
Erosion Control Plan
 Straightline Refrigeration

PROJECT NO.
E-8421

SHEET NO.
C4.0

DRAWING NO.
S-3444

File: E-8421.dwg 08/08/23 dwg



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Grading and Utility Plan
Straightline Refrigeration

PROJECT NO.
E-8421

SHEET NO.
C5.0

DRAWING NO.
S-3444

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS AND IF NO STANDARD EXISTS THE WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK (CURRENT EDITION) SHALL BE REFERENCED. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO DISTURBING THE SITE. CONTRACTORS SHALL MINIMIZE THE DURATION AND SIZE OF DISTURBED AREAS TO THE MAXIMUM EXTENT PRACTICABLE. EROSION AND SEDIMENT CONTROL PRACTICES PROPOSED FOR THIS PROJECT ARE DESCRIBED AS FOLLOWS:

- STONE TRACKING PAD(S) - TECHNICAL STANDARD 1057
- STONE TRACKING PADS WILL BE INSTALLED AT ENTRANCES SHOWN. ON THE SITE, TRACKING PADS SHALL BE IN PLACE PRIOR TO LAND DISTURBING ACTIVITIES.
- WASH WATER FROM VEHICLE AND WHEEL WASHING SHALL BE TREATED BEFORE ENTERING WATERS OF THE STATE.
- STREET SWEEPING/CLEANING
- SEDIMENT TRACKED FROM THE CONSTRUCTION SITE SHALL BE CLEANED UP AT THE END OF EACH WORK DAY UNLESS THE SEDIMENT PRESENTS A HAZARD. SEDIMENT PRESENTING A HAZARD MUST BE CLEANED UP IMMEDIATELY.

- **SILT FENCE - TECHNICAL STANDARD 1056**
SILT FENCE WILL BE INSTALLED DOWN-SLOPE OF ALL DISTURBED AREAS OF THE SITE. THE FENCE SHALL BE INSTALLED ALONG THE CONTOURS AND BE IN-PLACE PRIOR TO LAND DISTURBING ACTIVITIES.
- **SEEDING - TECHNICAL STANDARD 1059; MULCHING - TECHNICAL STANDARD 1058**
DISTURBED AREAS OF THE SITE SHALL BE SEEDDED AND MULCHED AS SOON AS THEY ARE BROUGHT TO FINISHED GRADE. IN ADDITION, ANY STOCK PILES IN PLACE FOR 7 DAYS OR MORE SHALL BE SEEDDED AND MULCHED.
- **NON-CHANNEL EROSION MAT - TECHNICAL STANDARD 1052**
EROSION CONTROL MAT SHALL BE PLACED AS SHOWN ON THE PLANS, AND/OR AS DETERMINED IN THE FIELD, TO PROTECT THE DISTURBED SLOPES FROM EROSION. NON-CHANNEL EROSION MAT SHALL BE INSTALLED AS SOON AS THE SLOPE HAS BEEN BROUGHT TO FINISHED GRADE.
- **CONSTRUCTION SITE DIVERSION - TECHNICAL STANDARD 1066**
WHERE POSSIBLE, THE SITE WILL BE GRADED SUCH THE RUNOFF FROM UNDISTURBED AREAS IS ROUTED AROUND DISTURBED AREAS OF THE SITE.

- DEWATERING - TECHNICAL STANDARD 1061
DEWATERING IS NOT ANTICIPATED FOR THIS PROJECT. IF IT IS REQUIRED, DEWATERING SHALL BE IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD. ANY NECESSARY PERMITS SHALL BE OBTAINED PRIOR TO DEWATERING OPERATIONS TAKE PLACE.

- STORM DRAIN INLET PROTECTION - TECHNICAL STANDARD 1060

ALL INLETS, PROPOSED AND EXISTING, ACCEPTING RUNOFF FROM DISTURBED AREAS OF THE SITE SHALL HAVE INLET PROTECTION INSTALLED PRIOR TO LAND DISTURBING ACTIVITY WITHIN THE AREA DISCHARGING TO THE INLET.

- DUST CONTROL - TECHNICAL STANDARD 1068
WHEN REQUIRED, DUST CONTROL MEASURES SHALL BE EMPLOYED TO PREVENT DUST FROM BLOWING OFF-SITE.

- CONCRETE WASHOUT SHALL BE COLLECTED AND RETAINED, BOTH WATER AND CONCRETE, IN LEAK PROOF CONTAINERS. WASHOUT CAN BE RECYCLED OR REUSED. SEE <http://water.epa.gov/polwaste/npdes/swbwp/upload/concretewashout.pdf> FOR DETAILS.

1. ALL CLEARING, GRADING, GRAVELING, PAVING, AND RESTORATION SHALL BE DONE IN ACCORDANCE WITH THE WISCONSIN DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION.

THE CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS UNTIL THE CONSTRUCTION SITE IS PERMANENTLY STABILIZED WITH A DENSE GRASS COVER. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROLS WEEKLY AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROLS FOR STRUCTURAL DAMAGE, SEDIMENT ACCUMULATION, OR ANY OTHER UNDESIRABLE CONDITION. THE CONTRACTOR SHALL REPAIR DAMAGED STRUCTURES PRIOR TO THE END OF EACH WORKING DAY. SEDIMENT SHALL BE REMOVED FROM THE STRUCTURE WHEN THE DEPTH OF SEDIMENT HAS ACCUMULATED TO ONE HALF THE HEIGHT OF THE DEVICE OR AS REQUIRED BY THE APPLICABLE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD (CURRENT EDITION).

AND AN ASSESSMENT OF EROSION AND SEDIMENT CONTROL CONDITIONS:

ALL WASTE FROM THE CONSTRUCTION SITE SHALL BE PROPERLY DISPOSED OF AND NOT BE ALLOWED TO ENTER THE STORM SEWER SYSTEM, DRAINAGE SYSTEM, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS LOCATED WITHIN THE CONSTRUCTION SITE, INCLUDING ANY STATE OR FEDERAL WATERS TO THE EAST.

BEFORE CONSTRUCTION
SITE AREA - 16.20 Acres
TOTAL PAVEMENT 0 Acres (0%)
BUILDINGS 0 Acres (0%)
PERVIOUS 16.20 Acres (100%)

AFTER CONSTRUCTION
SITE AREA - 16.20 Acres
 PAVEMENT 1.44 Acres (08.8%)
 BUILDINGS 0.73 Acres (04.5%)
 PERVIOUS 14.03 Acres (86.7%)

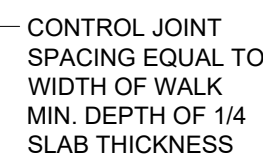


NOTES:

1) ASPHALT PAVEMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH WISDOT FDM.

PAVEMENT SECTIONS

N.T.S.



- EXPANSION JOINT EVERY 60- FEET



SIDEWALK

N.T.S.

NOTES:

1) CONCRETE SHALL BE 3000 P.S.I. @ 28 DAYS

2) MIN. 6-INCH THICKNESS THROUGH DRIVEWAYS.

3) EDGE SIDEWALK WITH 3/8" RADIUS EDGING TOOL.

4) ROUND EDGES AT EXPANSION JOINTS TO 3/8" RADIUS.



NOTES

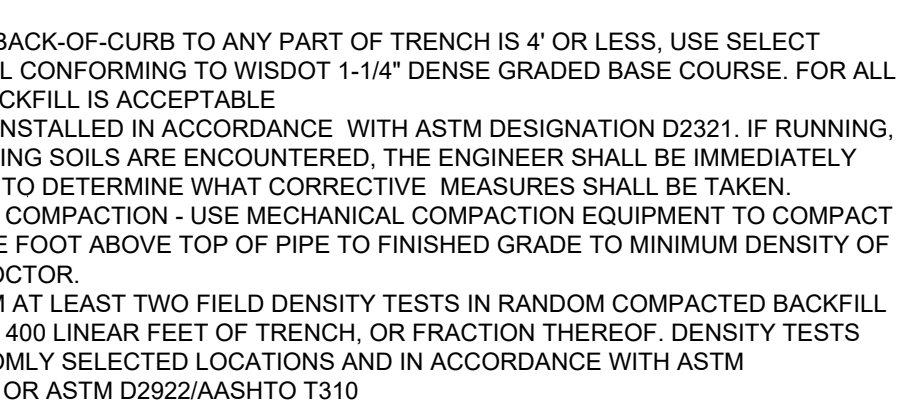
1. FINAL ADJUSTMENT RING SHALL BE A 2-INCH RECYCLED RUBBER RING FOR MANHOLES WITHIN THE ROAD SECTION.

2. SEAL SPACES BETWEEN RUBBER RINGS WITH POLYURETHANE SEALANT.



MANHOLE JOINT

NTS



NOTE-

1. IF DISTANCE FROM BACK-OF-CURB TO ANY PART OF TRENCH IS 4' OR LESS, USE SELECT GRANULAR BACKFILL CONFORMING TO WISDOT 1-14" DENSE GRADE BASE COURSE, FOR ALL OTHERS, NATIVE BACKFILL IS ACCEPTABLE.
2. IF SMALL EROSION OR AVOIDANCE WITH ASTM DESIGNATION D3221, IF RUNNING, CAVING OR SQUEEZING SOILS ARE ENCOUNTERED, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED IN ORDER TO DETERMINE WHAT CORRECTIVE MEASURES SHALL BE TAKEN.
3. STANDARD TRENCH COMPACTION - USE MECHANICAL COMPACTION EQUIPMENT TO COMPACT TO 95% OF MAXIMUM DENSITY OF MATERIAL ABOVE TOP OF PIPE TO FINISHED GRADE TO MINIMUM DENSITY OF 95% STANDARD PROCTOR.
4. TESTING - PERFORM AT LEAST TWO FIELD DENSITY TESTS IN RANDOM COMPACTED BACKFILL LAYERS FOR EVERY 400 LINEAL FEET OF TRENCH, OR FRACTION THEREOF, DENSITY TESTS AT 10' INTERVALS IN TRENCHES DEEPER THAN 4' IN ACCORDANCE WITH ASTM D1556/ASHTO T191, OR ASTM D2922/ASHTO T310

TYPICAL TRENCH DETAIL FOR PLASTIC PIPE

N.T.S



NTS

NOTES:

1) INLETS SHALL MEET ASTM C-478 STANDARD FOR REINFORCED CONCRETE INLETS

2) CATCH BASIN BARREL TO MEET ASTM C-76-3 STANDARD SPECIFICATION FOR REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE.

STANDARD CATCH BASIN

MTC

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Notes & Details

Straightline Refrigeration

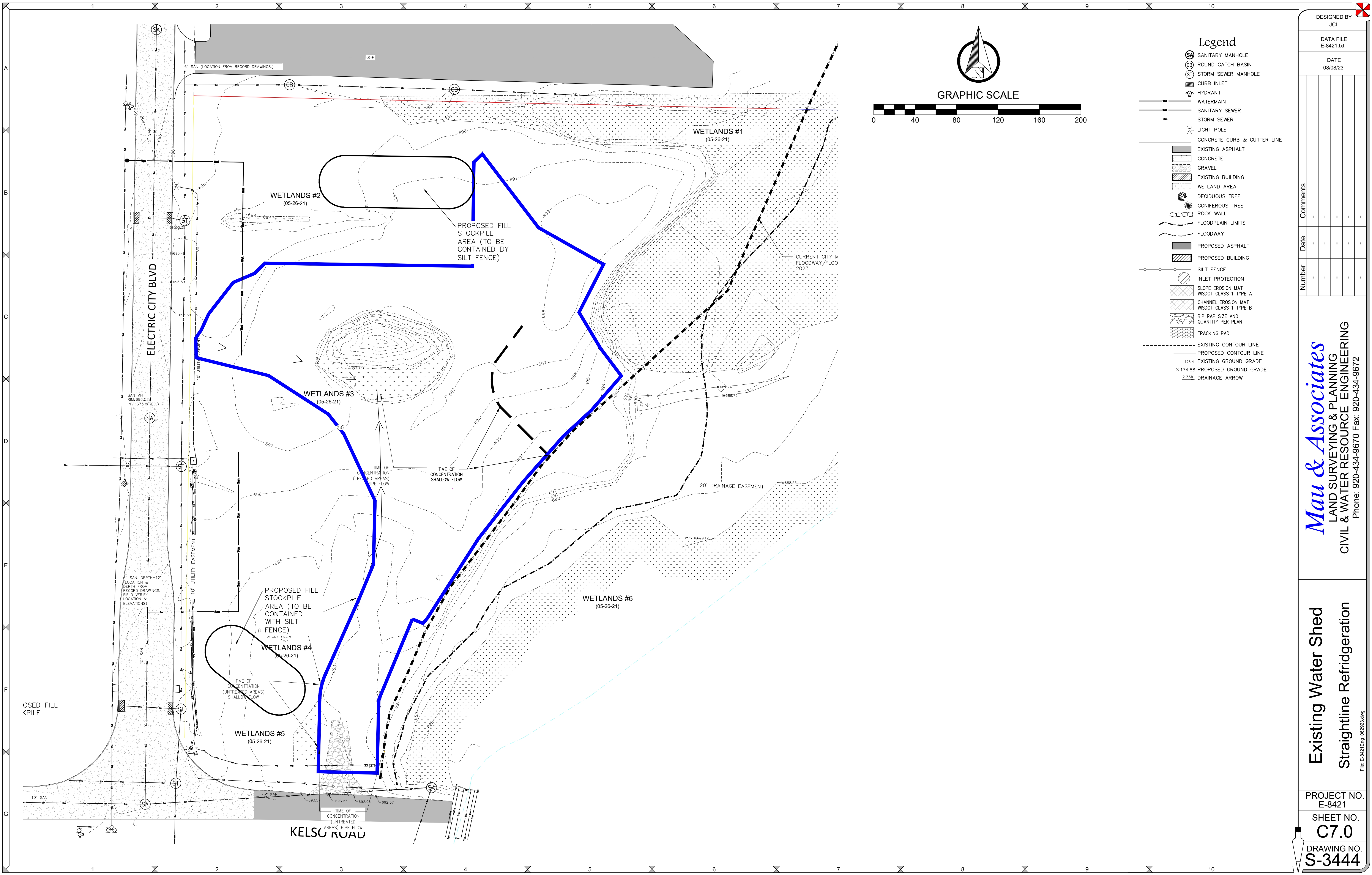
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PROJECT NO. E-8421

SHEET NO.

C6.1

DRAWING NO.
S-3444



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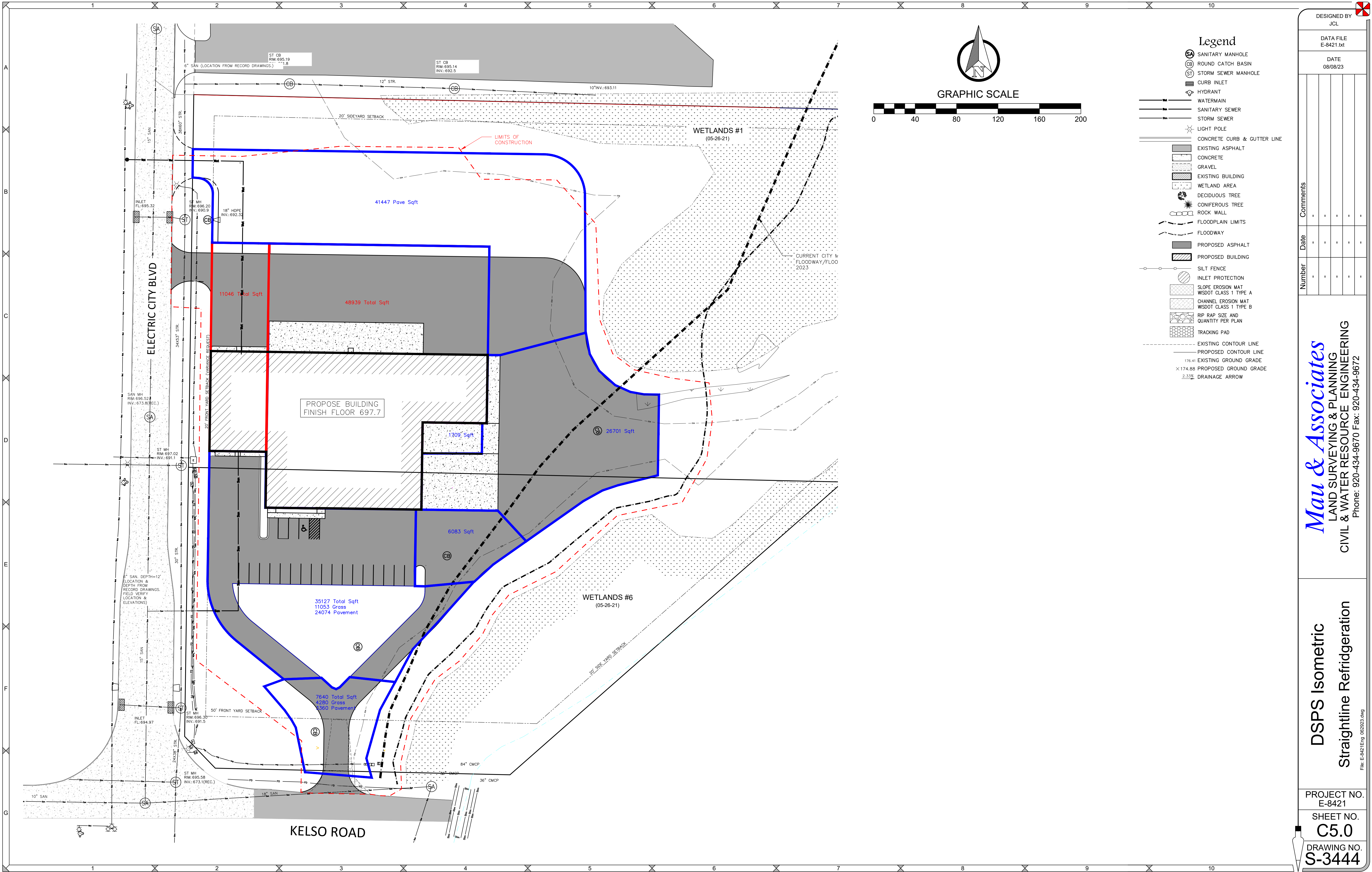
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**Existing Water Shed
Straightline Refridgeration**

PROJECT NO.
E-8421

SHEET NO.
C7.0

DRAWING NO.
S-3444



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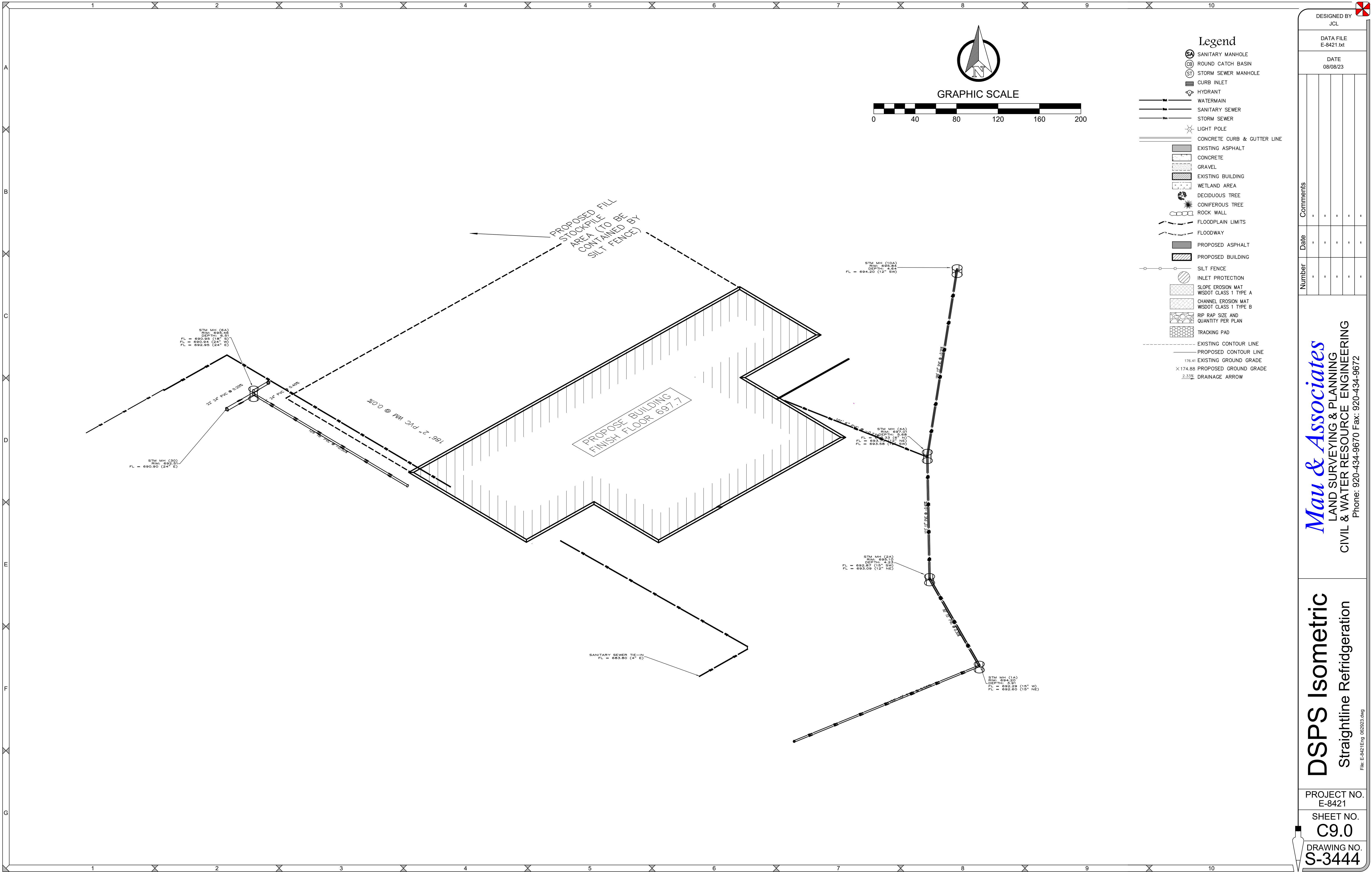
DSPS Isometric
Straightline Refrigeration

PROJECT NO.
E-8421

SHEET NO.
C5.0

DRAWING NO.
S-3444

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DSPS Isometric
Straightline Refrigeration

PROJECT NO.
E-8421

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C9.0

DRAWING NO.
S-3444

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