

CITY OF TONTITOWN PLANNING OFFICE

201 E. Henri de Tonti Blvd. 479-361-2700 planning@tontitownar.gov

Meeting: August 28, 2018
Project: WM CNG Facility LSD
Planner: Courtney McNair

AGENDA ITEM

D

PRELIMIANRY LARGE SCALE DEVELOPMENT PLAN APPROVAL REQUEST

1041 Arbor Acres Road **Parcel #s:** a portion of 830-38365-000

SUMMARY: Waste Management Compressed Natural Gas (CNG) Fueling Facility is requesting to add a CNG facility at the existing Hauling Company property.

CURRENT ZONING: Requested C2-must be approved before LSD can be heard.

CITY WARD: 3- Don Doudna & Tommy Granata

FLOODPLAIN: No

INFRASTRUCTURE SERVICE AREAS (not a guarantee of service availability):

Water: Washington Water Authority, existing 4-inch

Electric: Ozarks Electric

Sewer/Septic: Tontitown Sewer

Phone: AT&T

Natural Gas: Black Hills Energy Cable: Cox Communications School District: Springdale

PROJECT SYNOPSIS:

Waste Management Compressed Natural Gas (CNG) Fueling Facility is requesting to add a CNG facility at the existing Hauling Company property.

They are requesting 43 Time Fill pumps. Time Fill pumps take several hours to slowly fill the truck's tank. They trucks would be parked overnight at the Time Fill pumps.

There is also a Fast Fill pump on the Equipment Compound that takes approximately 30 minutes to fuel a truck. It is staff's understanding that this will not be used frequently.

TECHNICAL INFORMATION:

Utilities:

Water: Washington Water Authority, existing 4" line-This line cannot serve as a fire protection line. The applicant is proposing to install a tank and dry hydrant to meet firefighting capacity.

Electric: Ozarks Electric-submitted general comments. Any relocation, extension, or easements needed will be the owner's expense. Utility Easements must be dedicated for existing lines.

Sewer/Septic: Sewer-there is an existing Private Force Main that pumps to the lift station across from S. Pianalto Road. This is shown to be under the proposed CNG pumps. The applicant is aware of the location. As it is a private line, the Public Works Director has no comments.

Phone: AT&T-No concerns were submitted for the requested facility.

Natural Gas: Black Hills Energy-No concerns were submitted for the requested facility.

Cable: Cox Communications -No concerns were submitted for the requested facility.

It is the applicant's responsibility to coordinate any additional utility easements or connections as needed to service their property.

Streets:

This property access Arbor Acres Road at the existing entrance. No additional entrances are proposed. Staff will need confirmation that the proposed meets all required setbacks. The road ROW and easement are not dimensioned and the scale is slightly off.

Fire:

An additional hydrant is required. The applicant is providing a water tank and dry hydrant to meet this requirement. A knox box will be required for locking gates and the existing building.

The Fire Marshal also requested an emergency shut off be located at the existing building. This has been added.

All interior drives must meet the required compaction rating to support emergency vehicles.

Police:

No concerns were submitted for the proposed CNG Facility.

Stormwater Drainage, Detention, and Pollution Prevention Plan (SWPPP):

The applicant has not provided a grading plan. A SWPPP must be completed and posted on site prior to construction.

The applicant has requested to submit a full drainage study at the time the expansion of the actual landfill portion of this property is reviewed. This has been discussed with the City Engineer, and he agrees that this is fine to allow for this project based on information submitted by the applicant's engineer. The previous drainage report for the basin this will drain to was submitted, and this proposed will not add a significant amount of hard surface.

Police:

No concerns were found for the proposed facility.

Roads:

This project has access to Arbor Acres Road. No changes are proposed to the entrance. Site visibility appears to be adequate from the proposed entrance location.

Most of the surface is already paved or graveled.

As stated above, all interior drives must meet the required compaction rating to support emergency vehicles.

Planning:

There are several checklist items that will need to be corrected prior to Construction Plan submittal. All requirements must be met.

STAFF RECOMMENDATION: There are some plan corrections that must be addressed, and some minor details that remain to be addressed at the Construction Plan phase of plan review, but nothing that should significantly impact the overall design.

Therefore, staff recommends approval of the Waste Management Compressed Natural Gas (CNG) Fueling Facility Preliminary Large-Scale Development Request with conditions.

CONDITIONS RECOMMENDED FOR APPROVAL:

- 1. It is the applicant's responsibility to coordinate any additional utility easements or connections as needed to service their property.
- 2. The SWPPP must be completed and posted on site prior to construction.
- 3. The gate shall have a knox box system for emergency access.
- 4. Correct all remaining items on the "Plat Requirement Worksheet" prior to Construction Plan approval. Planning Staff will provide a copy of the remaining requirements to the engineer for the project.
- 5. Confirm that setbacks for the facility are correct.
- 6. "No Parking" signs may be required for fire lane access.
- 7. A full drainage study must be completed when the landfill expansion is presented.
- 8. All interior drives must meet the required compaction rating to support emergency vehicles.
- 9. The requested rezoning must be ratified by the City Council prior to the LSD project becoming valid.
- 10. The applicant shall apply for all required permits prior to construction.

GENERAL NOTES

- 1. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, OMISSIONS AND/OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF CONTRACT DOCUMENTS, AND ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS AT THE SITE.
- CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL PERMITS REQUIRED FOR THIS
- CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE PROJECT DESIGN IS COMPLIANT WITH THE SCOPE OF WORK (THIS SHEET). ANY SPECIFIC EQUIPMENT SHOWN IN THESE DRAWINGS IS CONCEPTUAL ONLY UNLESS OTHERWISE NOTED.
- 4. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF ANY DISCREPANCY,
- INCONSISTENCY OR OMISSION BEFORE PROCEEDING WITH THE WORK.
- 5. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF ALL REGULATING AGENCIES HAVING JURISDICTION OVER ANY OR ALL PORTIONS OF THE WORK INCLUDING THE STATE AND OSHA.
- 6. ALL WORK TO CONFORM TO THE BEST PRACTICES PREVAILING IN THE VARIOUS TRADES AT THE TIME OF THE WORK
- SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. DO NOT SCALE DIMENSIONS FROM DRAWINGS.
- 8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN ON THESE DRAWINGS OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL COSTS OF REPAIR OR REPLACEMENT DUE TO SUCH DAMAGE IN THE EXECUTION OF THIS WORK.
- 9. NO STRUCTURAL MEMBER IS TO BE CUT FOR PIPES, CONDUITS, ETC. UNLESS SHOWN ON THE STRUCTURAL DRAWINGS. ALL OTHER DRAWINGS AND SKETCHES BY OTHERS SHOWING SUCH MUST BE APPROVED A STRUCTURAL ENGINEER.
- 10. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND NOT LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT EXCEPTING FOR LIABILITY RISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 11. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO BRACING AND SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES AND PARTIAL STRUCTURES, AND PARTIALLY COMPLETED WORK, ETC.
- 12. CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND TAKE ALL NECESSARY FIELD MEASUREMENTS PRIOR TO FABRICATION.
- 13. CONTRACTOR'S SCOPE OF WORK INCLUDES COORDINATING THE WORK OF ALL SUBCONTRACTORS AND CONSULTANTS.
- 14. ANY DAMAGE TO THE EXISTING BUILDING AND ITS CONTENTS DURING THE EXECUTION OF THIS WORK SHALL BE REPAIRED OR RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- 15. CONTRACTOR SHALL MAINTAIN A SET OF AS-BUILT DRAWINGS AS WORK PROGRESSES
- ON THE JOB SITE. 16. CONTRACTOR SHALL PROVIDE THE OWNER COPIES OF INSTALLATION, MAINTENANCE, AND
- 17. ACCESS TO FIRE SAFETY EQUIPMENT MUST BE PROVIDED AND MAINTAINED SERVICEABLE PRIOR TO AND DURING CONSTRUCTION.
- 18. CONTRACTOR TO REMOVE ALL EXCAVATED MATERIAL AND DEBRIS.
- 19. NEW CONCRETE SHALL CONFORM TO IBC AND ACI CODE.

OPERATION MANUALS OF ALL EQUIPMENT INSTALLED.

20. THE OWNER OF THE FACILITY SHALL INSURE THE SAFE OPERATION OF THE CNG FUELING EQUIPMENT AND TRAINING OF USERS.

SPECIAL INSPECTIONS:

- 1. SPECIAL INSPECTION IS REQUIRED FOR THE INSTALLATION OF
- ANCHOR BOLTS. 2. SPECIAL TESTING IS REQUIRED FOR HIGH PRESSURE GAS TESTING. SEE SHEET P-200 FOR PRESSURE TESTING PROCEDURES.

CERTIFICATE OF PRELIMINARY SURVEY ACCURACY.

__, HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A BOUNDARY SURVEY MADE BY ME AND ALL MONUMENTS SHOWN HEREON ACTUALLY EXIST AND THEIR LOCATION, SIZE, TYPE AND MATERIAL ARE CORRECTLY SHOWN. DATE OF EXECUTION: _____

REGISTERED LAND SURVEYOR STATE OF ARKANSAS REGISTRATION NO. _____

CERTIFICATE OF PRELIMINARY ENGINEERING ACCURACY. EACH SET OF STREET AND DRAINAGE PLANS MUST BE SUBMITTED IN ACCORDANCE WITH APPLICABLE STATE STATUTES AND ANY PLANS AND SPECIFICATIONS REQUIRED:

_____, HEREBY CERTIFY THAT THIS PLAN CORRECTLY REPRESENTS A PLAN PREPARED UNDER MY DIRECTION AND ENGINEERING REQUIREMENTS OF THE TONTITOWN SUBDIVISION REGULATIONS HAVE BEEN COMPLIED WITH.

DATE OF EXECUTION: _____

REGISTERED ENGINEER: ______

STATE OF ARKANSAS REGISTRATION NO. _____

CERTIFICATE OF PRELIMINARY PLAT APPROVAL.

THIS PLAT HAS BEEN GIVEN PRELIMINARY PLAT APPROVAL ONLY AND HAS NOT BEEN APPROVED FOR RECORDING PURPOSES AS A PUBLIC RECORD. THIS CERTIFICATE SHALL EXPIRE

ON _____ (DATE).

DATE OF EXECUTION: ______

CHAIRMAN, CITY OF TONTITOWN PLANNING COMMISSION

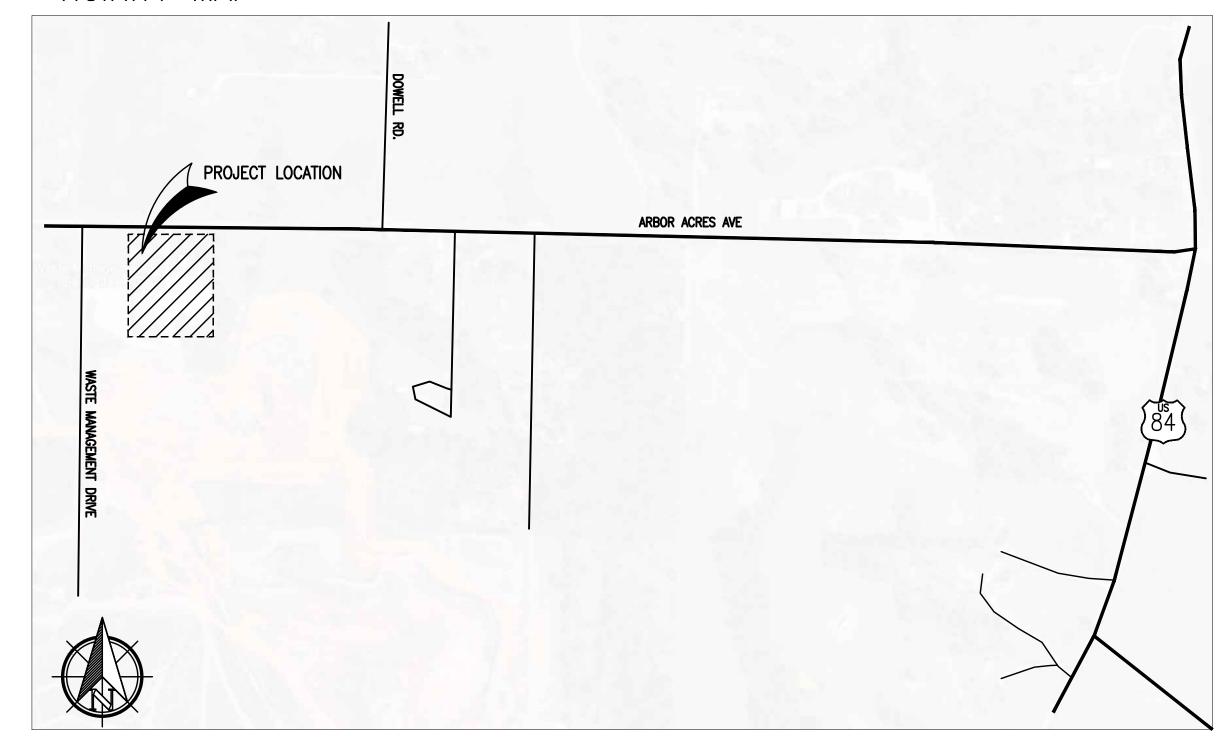


WASTE MANAGEMENT

1041 ARBOR ACRES AVE. CNG FUELING FACILITY

PARCEL NO. 830-38365-000 FLOOD ZONE: ZONE X ZONING: R-M-H

VICINITY MAP



PROJECT SITE



PROJECT DESCRIPTION:

INSTALLATION OF COMPRESSED NATURAL GAS (CNG) FUELING STATION EQUIPMENT TO SUPPLY FUEL TO THE CLIENT'S PRIVATE NATURAL GAS VEHICLE FLEET.

EQUIPMENT:

ANGI COMPRESSOR NG300

ANGI DRYER GD-024-S-M-460-150-3

4 BOTTLE BUFFER STORAGE MANUAL TRANSFER SWITCH 600 AMP

DUAL MOTOR STARTER PANEL

WM COMMUNICATIONS PANEL

TSE COMMUNICATIONS PANEL DEFUELING POST

DIRECT FILL POST

CAISSON FOR CUSTOMER SUPPLIED TRUSS 10) EMEMERGENCY-SHUT DOWN SWITCH W/ FIRE EXTINGUISHER

20' DUAL LED LIGHT

FILTER ASSEMBLY

(43) WHEEL STOP

REMOVABLE BOLLARD

(34) 4" FIXED BOLLARD

(20) 8" FIXED BOLLARD (188') 6' CHAIN LINK FENCE

THE SYSTEM SHALL BE DESIGNED IN FULL COMPLIANCE WITH THE LATEST EDITION OF THE APPLICABLE SECTIONS OF THE FOLLOWING CODES, STANDARDS, AND GUIDELINES AS AMENDED BY THE STATE HAVING JURISDICTION. WHERE CONFLICT EXISTS, CONTRACTOR SHALL FOLLOW THE MOST STRINGENT REQUIREMENTS. IN CASE OF A CONFLICT BETWEEN THE NATIONAL FIRE PREVENTION ASSOCIATION, AND OSHA STANDARDS, THE MOST STRINGENT CONDITION SHALL APPLY:

EXISTING BUILDING CODE

ARKANSAS MECHANICAL

ARKANSAS ENERGY CODE

ARKANSAS FUEL CODE

NATIONAL ELECTRICAL CODE ARKANSAS FIRE CODE

NFPA (AS APPLICABLE)

INDUSTRY STANDARDS

AMERICAN CONCRETE INSTITUTE (ACI)

AMERICAN GAS ASSOCIATION NATURAL GAS VEHICLE (AGA-NGV) AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

AMERICAN PETROLEUM INSTITUTE (API)

AMERICAN STANDARD MECHANICAL ENGINEERS (ASME)

AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) AMERICAN WELDING SOCIETY (AWS)

INSTRUMENT SOCIETY OF AMERICA (ISA)

INTERNATIONAL APPROVAL SERVICES (IAS)

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) #52

NATIONAL INSTITUTE OF STANDARDS AND TESTING (NIST)

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

UNDERWRITERS LABORATORY (UL) AND/OR FACTORY MUTUAL (FM) CIVIL ENGINEER

ELECTRICAL ENGINEER

JAY CARILLO, P.E. DESIGN WEST ENGINEERING

275 W. HOSPITALITY LANE. SUITE 100

SAN BERNARDINO, CA 92408

(909) 890-3700

SHEET INDEX G-100 SITE - TITLE SHEET

G-200 SITE - SITE PLAN

G-201 SITE - EQUIPMENT COMPOUND G-202 SITE - TIME FILL

SITE - LANDSCAPE PLAN G-203

ELECTRICAL - PHOTOMETRICS LAYOUT

CERTIFICATE OF APPROVAL

PERSUANT TO THE CITY OF TONTITOWN SUBDIVISION REGULATIONS AND ALL OTHER CONDITIONS AND APPROVALS HAVING BEEN COMPLETED, THIS DOCUMENT IS HEREBY ACCEPTED. THIS CERTIFICATE IS HEREBY EXECUTED UNDER THE AUTHORITY OF THE SAID RULES AND REGULATIONS.

TIM NELLIGAN P.E.

(310) 801-8685

KATAHDIN ENVIRONMENTAL

SAN CLEMENTE, CA. 92672

3553 CAMINO MIRA COSTA. SUITE E

THIS APPROVAL DOES NOT GUARANTEE ANY OF THE FOLLOWING:

1. DELIVERY OF PUBLIC WATER OR SEWER SERVICE.

2. DELIVERY OF ANY OTHER UTILITY SERVICE.

3. IMPROVEMENTS TO ANY AFFECTED CITY STREETS OR COUNTY ROADS.

4. APPROVAL FROM THE ARKANSAS DEPARTMENT OF HEALTH. 5. ACCESS TO PROPERTY VIA EASEMENT OR OTHERWISE EITHER KNOWN OR UNKNOWN.

DATE OF EXECUTION: ______

SIGNED: _____ CHAIRMAN, TONTITOWN PLANNING COMMISSION

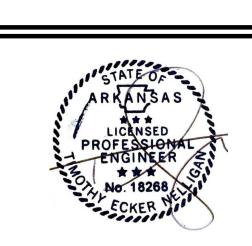
MAYOR, CITY OF TONTITOWN

RECORDER/TREASURER, CITY OF TONTITOWN

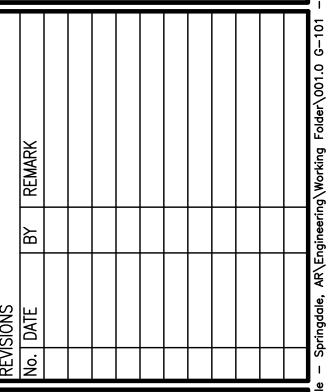


GEME

VE 62 CILITY A K RBOR GDAL A A B 104 SP



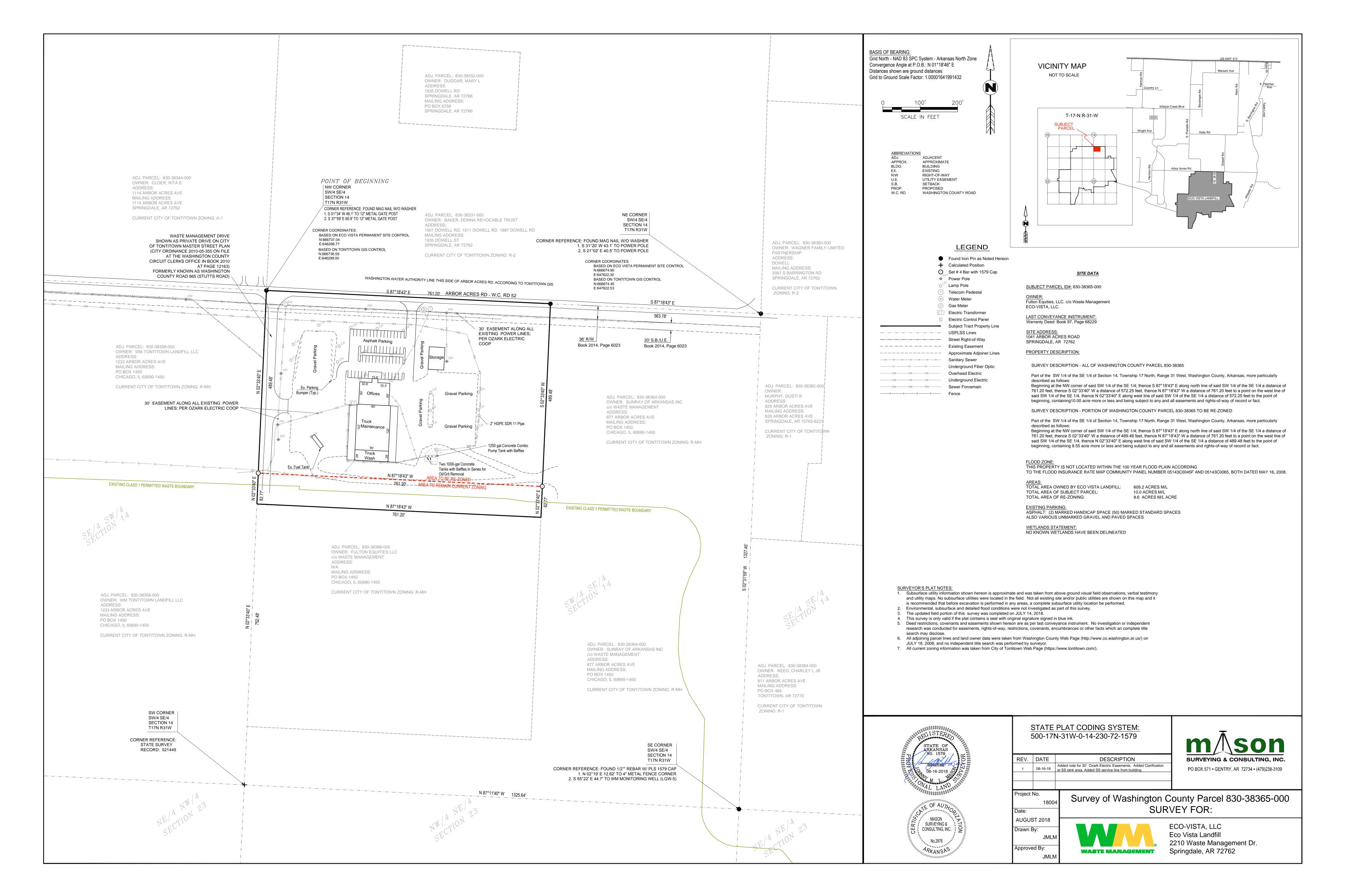


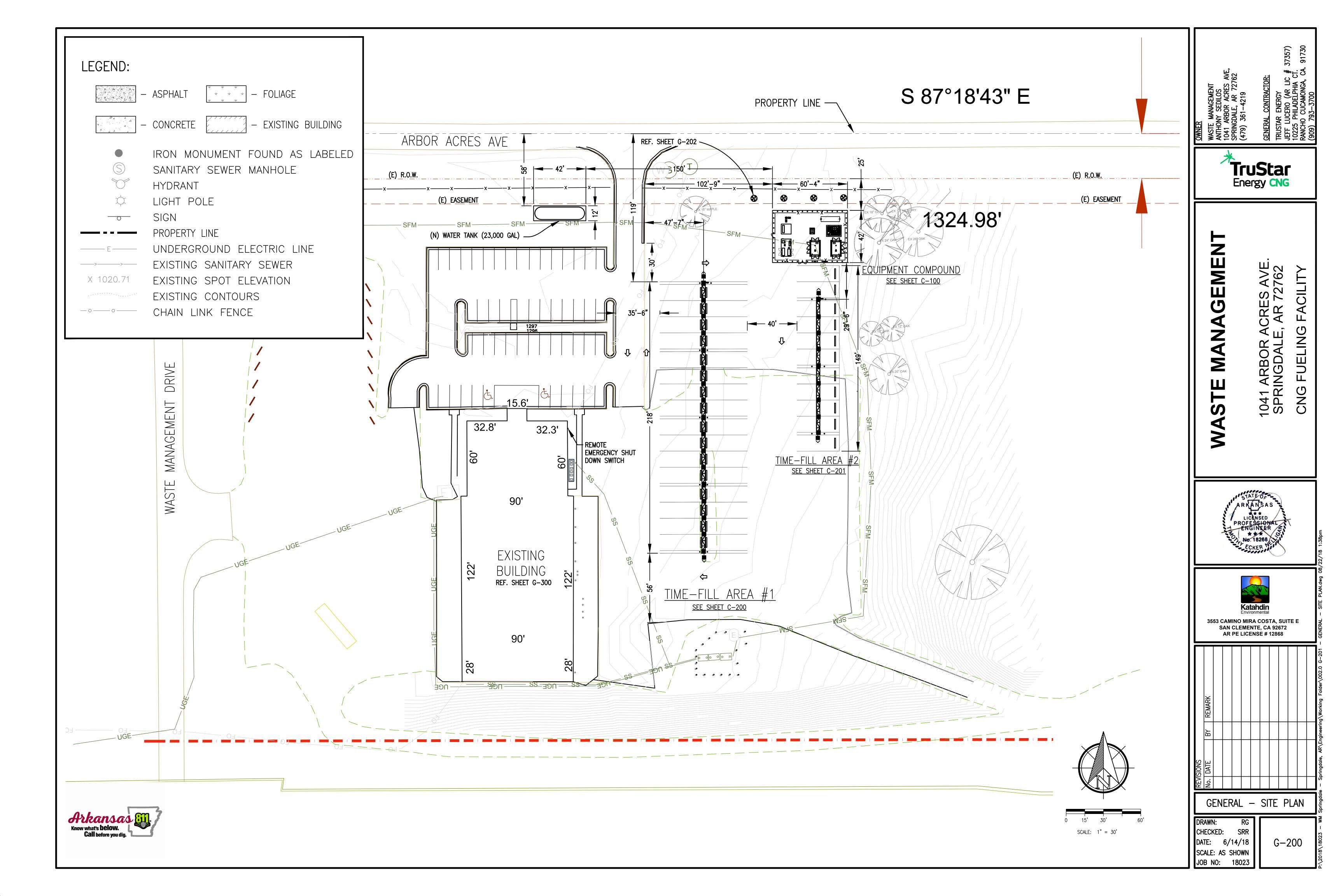


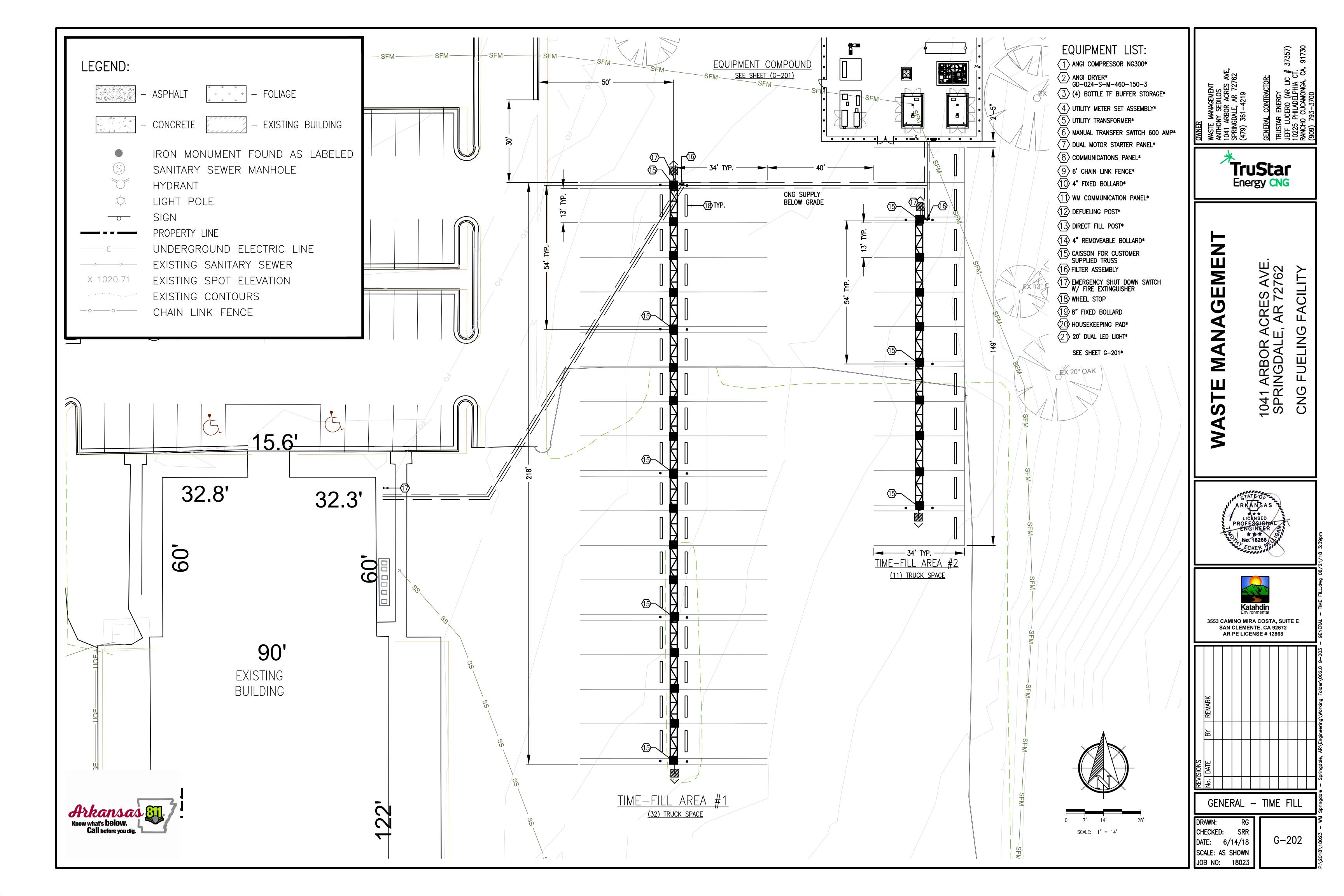
GENERAL - TITLE SHEET

CHECKED: SRR DATE: 6/14/18 SCALE: AS SHOWN JOB NO: 18023

G-100







LOCATE UTILITIES PRIOR TO COMMENCING LANDSCAPE OPERATIONS. ALL TREES SHALL BE FIELD POSITIONED AS TO AVOID CONFLICTS WITH EXISTING AND PROPOSED UTILITIES. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS OR OBSTRUCTIONS. CONTRACTOR SHALL STAKE ALL PLANTING AREAS IN THE FIELD PRIOR TO PLANTING FOR APPROVAL OF THE OWNER OR THEIR REPRESENTATIVE. CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES PRIOR TO PLANTING. ANY DISCREPANCIES WITH THE PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE PLAN QUANTITIES SHALL

SUPERCEDE SCHEDULED QUANTITIES.

ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY AND SHALL COMPLY WITH RECOMMENDATIONS AND

REQUIREMENTS OF ANSI Z60.1 THE 'AMERICAN STANDARD FOR NURSERY STOCK'.

ALL PLANTING BEDS & TURFGRASS STANDS SHALL BE EDGED AS SHOWN IN PLAN.

PREPARE PLANTING BEDS AND INCORPORATE AMENDMENTS ACCORDING TO PLANS.

SHREDDED HARDWOOD MULCH, PER SPECIFICATIONS SHALL BE USED AS A THREE INCH (3") TOP DRESSING IN ALL PLANTING BEDS AND AROUND ALL TREES. SINGLE TREES AND SHRUBS SHALL BE MULCHED TO THE OUTSIDE EDGE OF THE SAUCER OR LANDSCAPE ISLAND.

ALL TREES SHALL BE STAKED PER DETAIL.

ALL PLANT MATERIAL SHALL BE INSTALLED TO ALLOW A MINIMUM ONE FOOT (1') CLEARANCE BETWEEN PLANT AND ADJACENT PAVEMENT. SHRUBS & TREES SHALL MAINTAIN A MINIMUM OF 4' CLEARANCE UNLESS OTHERWISE SHOWN.

THE LANDSCAPE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL THE SITE IS FREE OF DEBRIS CAUSED BY ON-GOING CONSTRUCTION OPERATIONS. REMOVAL OF DEBRIS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. LANDSCAPE WORK SHALL NOT BEGIN UNTIL THE LANDSCAPE ARCHITECT AND OWNER HAVE GIVEN WRITTEN APPROVAL FOR SUCH. THERE SHALL BE NO DELAYS DUE TO LACK OF COORDINATION FOR THIS ACTIVITY.

THE LANDSCAPE ARCHITECT AND OWNER SHALL APPROVE GRADES AND CONDITION OF SITE PRIOR TO SODDING/SEEDING OPERATIONS.

ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED FOR OTHER PLANTINGS OR HARDSCAPE SHALL BE SEEDED WITH TURF TYPE FESCUE.

Plant	Schedule			
Quantity	Common Name	Botanical Name	Condition	<u>Spacing</u>
4	Sugar Maple	Acer Saccharum	ВВ	As Shown

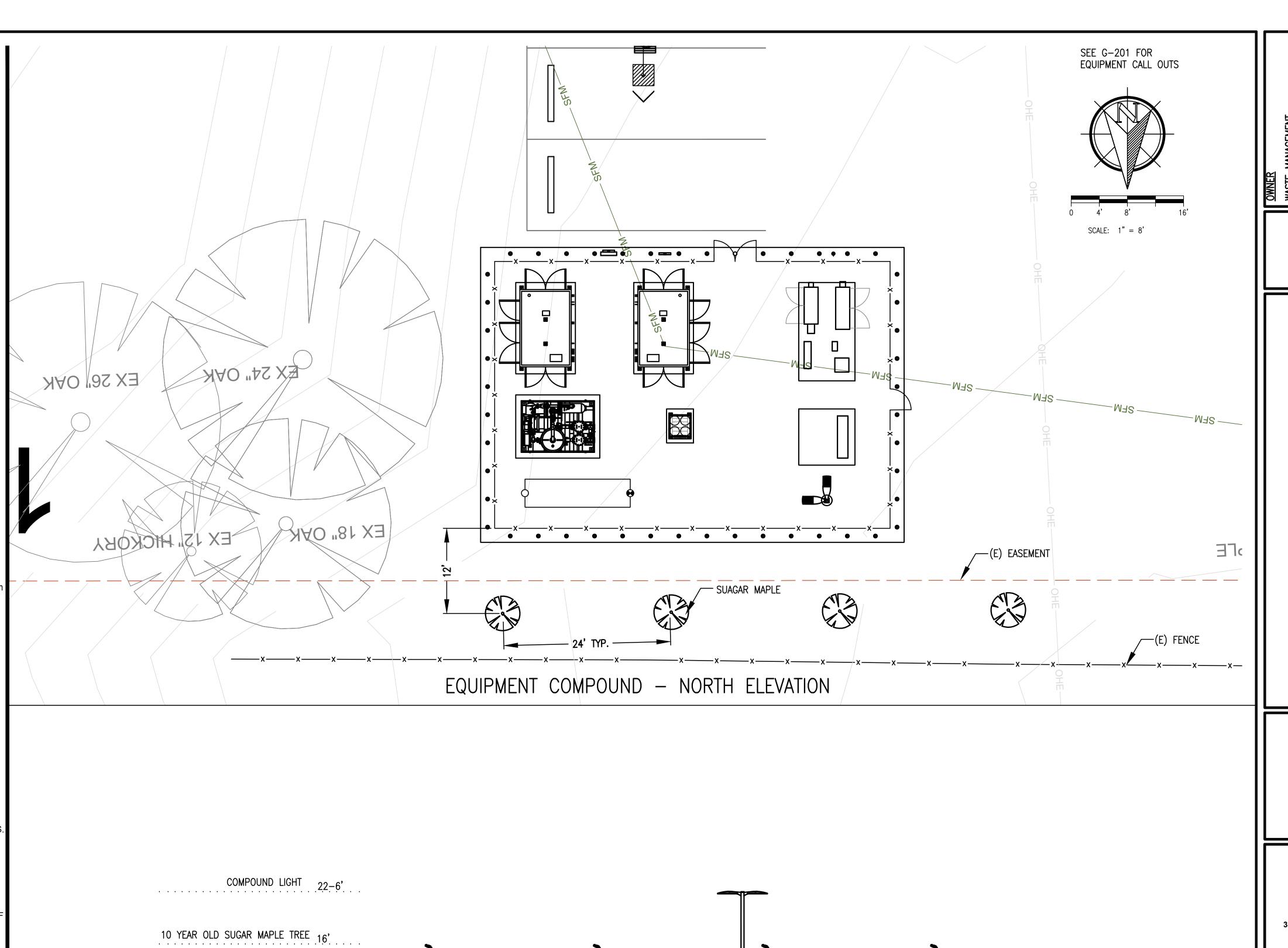
NOTES:

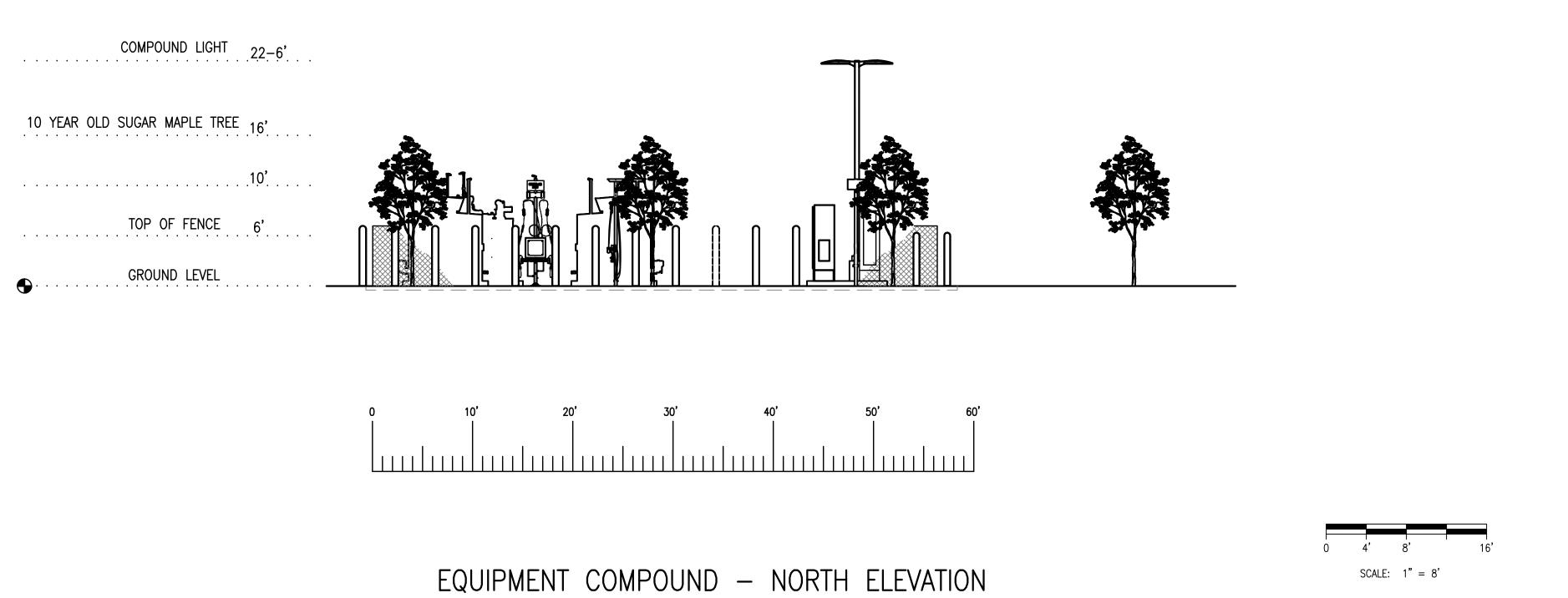
TREES THAT DO NOT MEET THE SIZE REQUIREMENT WILL BE REJECTED
 TREES SHALL BE INSPECTED BY OWNERS REPRESENTATIVE PRIOR TO

INSTALLATION. PRUNE OUT ANY DEAD OR BROKEN BRANCHES AND REMOVE DEBRIS FROM SITE. SECURE TREE TO STAKES WITH STRAPS (RE: SPECS).
STRAPS SHALL BE LOOSE ENOUGH TO ALLOW SOME
MOVEMENT OF THE TRUNK WITH THE WIND SET TREE WITH TOP OF ROOT BALL FLUSH WITH GRADE. TRUNK FLARE MUST BE VISIBLE AT THE TOP OF ROOT BALL. REMOVE EXCESS SOIL TO TOP OF LATERAL ROOTS. MIN. 6' LONG STEEL STAKES SECURED INTO UNDISTURBED SOIL. PLACE NORTH AND SOUTH OF TREE. → 3" MULCH PER SPECIFICATIONS. DO NOT PLACE ON TRUNK OR TRUNK FLARE. BERM AT OUTER EDGES OF RING TO CREATE A SAUCER FORM. REMOVE TWINE AND CAGE FROM ROOT BALL AND TRUNK. PEEL AND REMOVE BURLAP FROM TO 1/3 OF THE ROOT BALL. PLANTING HOLE SHALL BE AT LEAST 3 TIMES WIDER THAN THE SPREAD OF ITS ROOTS, BUT NO DEEPER. PLACE ROOT BALL ON UNDISTURBED SOIL WITH ROOT FLARE EVEN WITH OR 1" ABOVE GRADE. SCARIFY SIDES 3 x ROOT BALL DIA. AND BOTTOM OF PIT. - AMEND SOIL ACCORDING TO SPECIFICATIONS. SECTION

PLANTING DETAIL









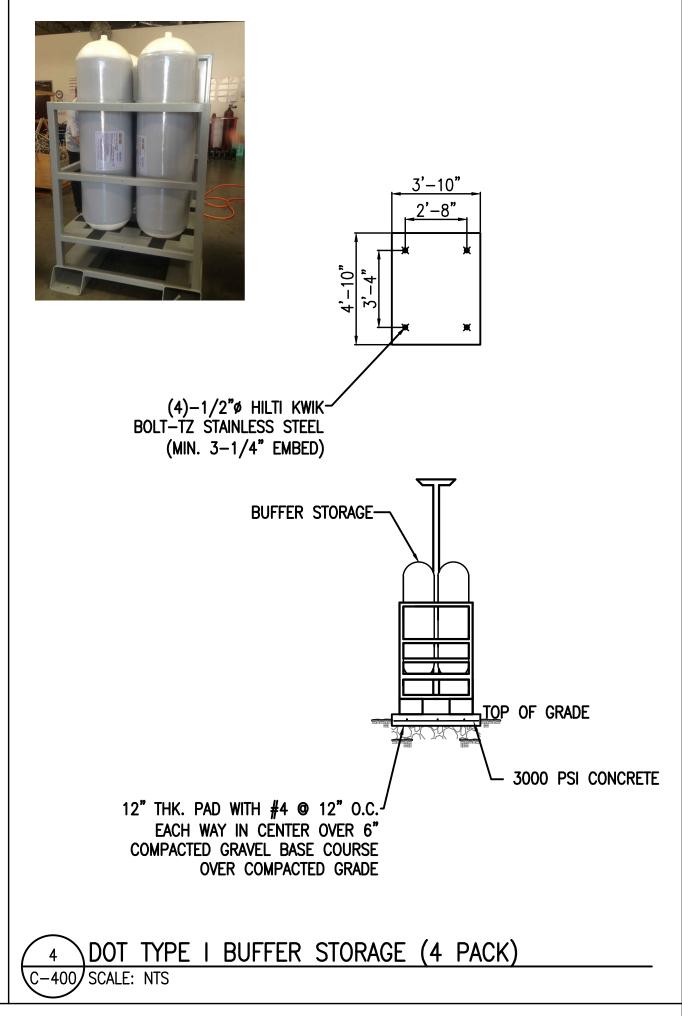
Energy CNG

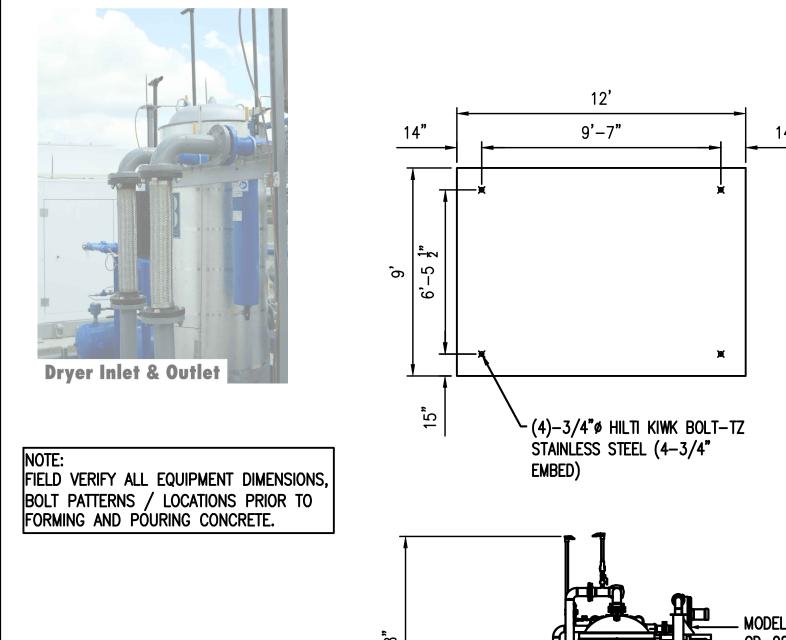
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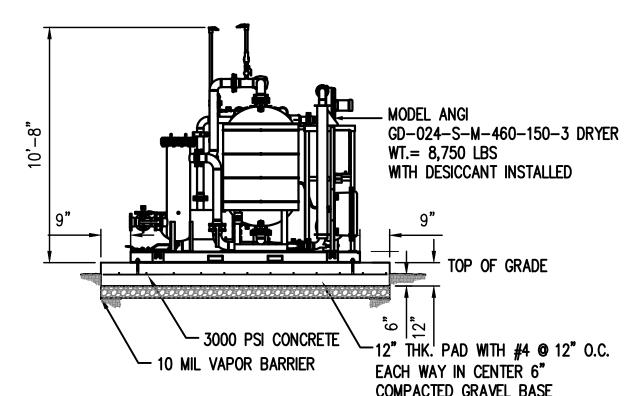
GENERAL-LANDSCAPE PLAN

DRAWN: RG
CHECKED: SRR
DATE: 6/14/18
SCALE: AS SHOWN
JOB NO: 18023

G-203







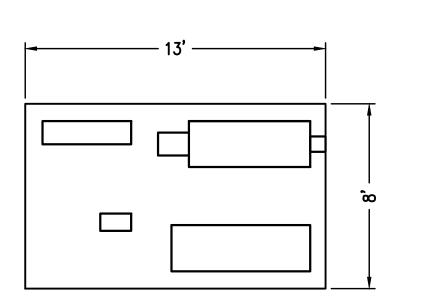
2 DRYER PAD DETAIL (GD-024-S-M-460-150-3)
C-400 SCALE: NTS

12" THK. PAD WITH #4 @ 12" O.C.
EACH WAY IN CENTER 6"
COMPACTED GRAVEL BASE
COURSE OVER COMPACTED GRADE

CONCRETE AND ANCHOR NOTES:

- 1. CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 3000 PSI AFTER 28 DAYS
- 2. CONCRETE SHALL BE REINFORCED WITH #4 REBAR (UNLESS OTHERWISE SPECIFIED) SPACED 12" O.C. IN BOTH DIRECTIONS AT CENTER DEPTH. REBAR SHALL BE A MINIMUM OF 3" FROM EDGE OF CONCRETE.
- 3. ANCHORS SHALL BE INSTALLED NOT CLOSER THAN 6" FROM EDGE OF CONCRETE.
- 4. CONTRACTOR TO FIELD VERIFY LOCATION OF ANCHORS PRIOR TO INSTALLATION.
- 5. INSPECTOR SHALL VERIFY EMBEDMENT DEPTH, NUT TIGHTNESS, AND DISTANCE TO EDGE OF CONCRETE.
- 6. ANCHORS SHALL BE HILTI KB-TZ STAINLESS OR EQUIVALENT WITH 4-3/4"MIN. EMBEDMENT UNLESS OTHERWISE SPECIFIED IN FULLY HARDENED CONCRETE. ANCHOR NUTS SHALL BE TIGHTEN TO 110 FT-LB TORQUE AND SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.

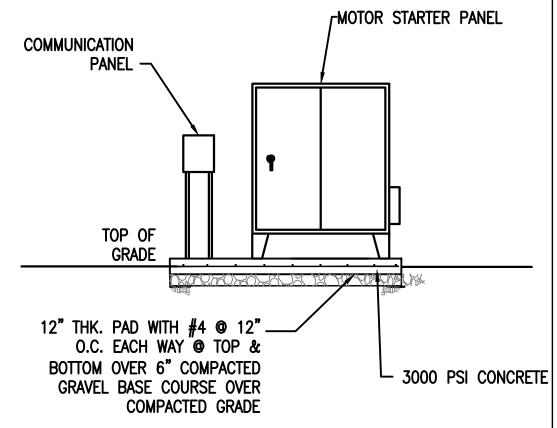


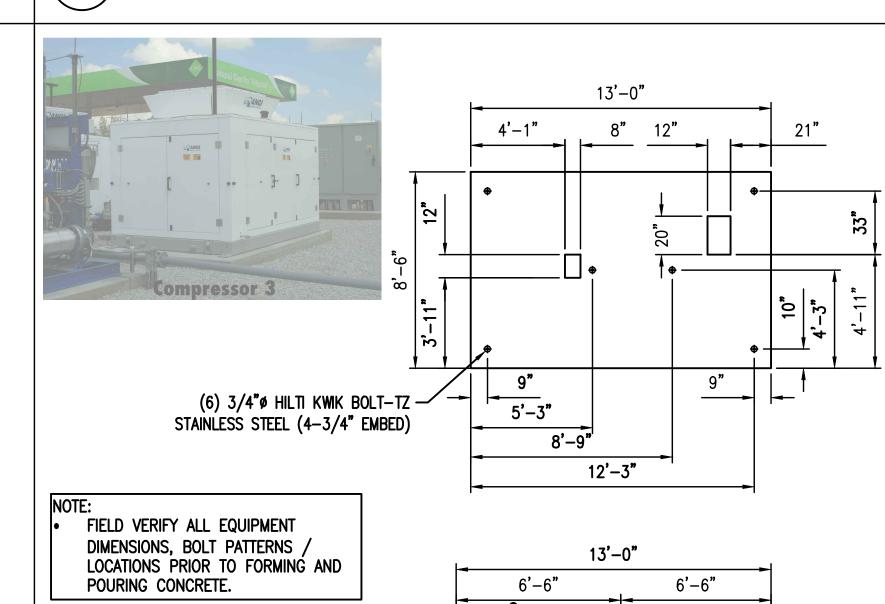


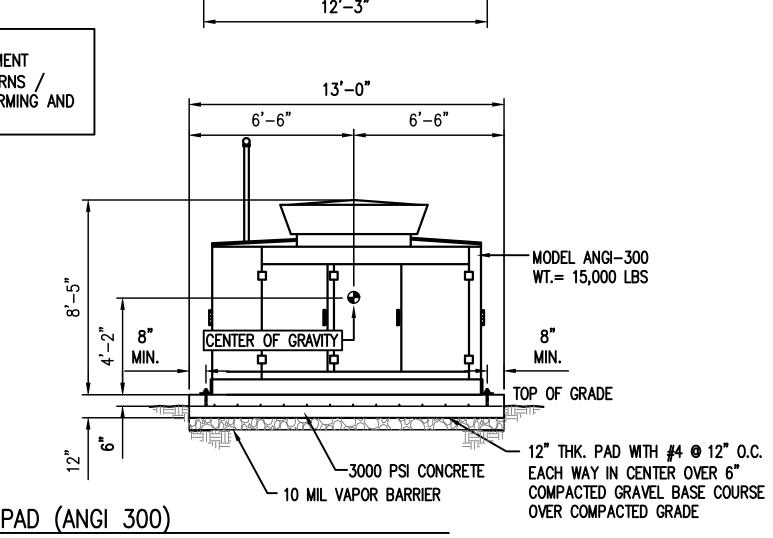


3 ELECTRICAL PAD DETAIL

C-400 SCALE: NTS



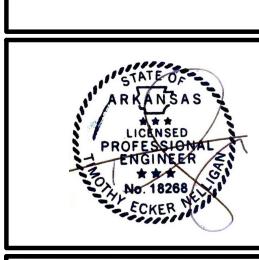




C-400 SCALE: NTS

\COMPRESSOR PAD (ANGI 300)

MANAGEMENT

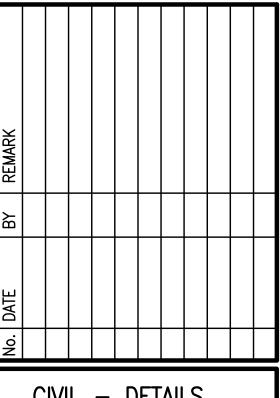


TruStar Energy CNG

1041 ARBOR ACRES AVE SPRINGDALE, AR 72762

CNG FUELING FACILITY





CIVIL - DETAILS

DRAWN: SRR CHECKED: SCALE: AS SHOWN JOB NO: 18023

C - 400



