SITE PLAN

1" = 20'-0"

NOTE!
SEE SPECIAL POLUTION ABATEMENT PERMIT (SPAP) APPLICATION AND SUPPORTING DOCUMENTATION BY OTHERS FOR ADDITIONAL INFORMATION.

SITE PLAN LEGEND

- BOUNDARY LINE
- BUILDING SETBACK
- NEW 4" 4000 PSI AIR ENTRAINED CONCRETE SIDEWALK W/ SYNTHETIC FIBER REINFORCEMENT EQUAL TO FIBERMESH ON 4" MIN. GRAVEL FILL W/ CONTROL JOINTS AT 5'-0" MAX. AND EXPANSION JOINTS AT 25'-0" O.C. MAX. – SEE 9-11/A2 – RUNNING SLOPE IN DIRECTON OF TRAVEL SHALL BE 1:20 MAX. – CROSS SLOPE SHALL BE 1:48 MAX.
- NEW STANDARD DUTY ASPHALT PAVING (BY OWNER – N.I.C.) – SEE 4/A2
- 6" MIN. CONC. PAD WITH 6x6 W4.0 x W4.0 W.W.F. ON 4" MIN. GRAVEL FILL W/ DOWELLED CONTRACTION JOINTS AT 25'-0" MAX.
- 977 REVISED CONTOUR LINE
- 977.18 REVISED SPOT ELEVATION
- 980 EXISTING CONTOUR LINE
- SILT FENCE – SEE 12/A2 – USE SANDBAG BARRIER WHERE NECESSARY ON EXISTING ASPHALT LOCATIONS – SEE 21/A2
- X — X — NEW CHAIN LINK FENCE (BY OWNER – N.I.C.) – SEE 17/A2
- x — x — x — EXISTING FENCING TO REMAIN
- x — x — x — EXISTING FENCING TO BE REMOVED
- NEW UNDERGROUND PVC ROOF DRAIN LEADER – SEE 16/A2 – SEE SITE PLAN FOR PIPE SIZE
- APPROX. LOCATION OF EXIST. STRUCTURE TO BE REMOVED (BY OWNER – N.I.C.)
- SA — NEW SANITARY SEWER LINE – SEE 16/A2
- W — W — NEW WATER LINE
- E — E — NEW OVERHEAD ELECTRIC LINE
- GAS — GAS — NEW GAS LINE (ADD ALTERNATE "A") – SEE SHEET G101
- GAS — EXISTING GAS LINE TO REMAIN
- W — W — EXISTING WATER LINE TO REMAIN
- ESA — EXISTING SANITARY SEWER LINE TO REMAIN
- EXISTING STORM SEWER TO REMAIN
- OE — EXISTING OVERHEAD ELECTRIC LINE
- EXISTING LIGHT POLE TO REMAIN
- EXISTING TREE CANOPY TO REMAIN

GENERAL SITE NOTES

1. SUITABILITY OF SITE SOIL FOR CONSTRUCTION SHALL BE DETERMINED BY OTHERS. REFER TO GEOTECHNICAL REPORT BY FOUNDATIONS SYSTEMS ENGINEERING P.C. DATED SEPTEMBER 13, 2017, PROJECT # 317176. MECHANICALLY COMPACTED SOIL SHALL BE COMPACTED IN ACCORDANCE WITH GEOTECHNICAL REPORT. ARCHITECT ASSUMES NO RESPONSIBILITY FOR SOIL CONDITIONS. CONTRACTOR TO VERIFY SOILS CONDITIONS WITH GEOTECHNICAL ENGINEERS AND PREPARE SITE PRIOR TO CONSTRUCTION.

2. THE ARCHITECT HAS NOT RECEIVED A BOUNDARY OR TOPOGRAPHIC SURVEY OF THE PROPERTY. ALL BOUNDARY AND TOPOGRAPHICAL INFORMATION TAKEN FROM DIGITAL DATA SUPPLIED BY KGIS ON MARCH 10, 2017. ALL SITE UTILITY INFORMATION TAKEN FROM DATA SUPPLIED BY SCOTT WILLIAMS, SURVEY PROJECT MANAGER, TN RLS 1753, CITY OF KNOXVILLE DEPARTMENT OF ENGINEERING, ON JUNE 27, 2018. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING SITE INFORMATION.

3. ALL RADII ARE FIVE FEET UNLESS NOTED OTHERWISE.

4. THE CONTRACTOR SHALL VERIFY THE LOCATION AND INVERT ELEVATION OF ALL UNDERGROUND UTILITIES AND VERIFY PROPERTY CORNERS AND TOPOGRAPHY BEFORE ANY CONSTRUCTION IS STARTED.

5. EARTHWORK SHALL BE SLOPED TO DRAIN AWAY FROM THE BUILDING. PROOF-ROLLING AND COMPACTION TESTS SHALL BE ACCOMPLISHED IN THE FIELD TO TEST ALL AREAS IF NECESSARY THE CONTRACTOR SHALL RETAIN THE SERVICES OF A TESTING COMPANY TO TEST ALL AREAS REQUIRING COMPACTION. ALL EARTHWORK AND DRAINAGE SHALL BE EXECUTED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE CITY OF KNOXVILLE.

6. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY.

KEYED NOTES

1. NEW CONCRETE SIDEWALK – SLOPE AWAY FROM BUILDING – SEE 9-11/A2
2. BICYCLE RACKS W/ CONCRETE BASE – MIN. (4) BICYCLE SPACES – SEE 14/A2 (BY OWNER – N.I.C.)
3. INSTALL SILT FENCE AS NECESSARY TO PREVENT CONSTRUCTION RUNOFF – SEE 12/A2 – USE SANDBAG BARRIER WHERE NECESSARY ON EXISTING ASPHALT LOCATIONS – SEE 21/A2
4. ACCESSIBLE PARKING SPACES – SEE 2/A2 (STRIPING BY OWNER – N.I.C.)
5. REMOVE AND REPLACE EXISTING ASPHALT IN THIS AREA AS REQUIRED TO SLOPE AND DRAIN ALL STORMWATER AWAY FROM THE BUILDING – SEE 4/A2 (BY OWNER – N.I.C.)
6. **ADD ALTERNATE "A"** – EMERGENCY GENERATOR AND FUEL TANK – SEE SHEET E101
7. EXISTING FENCING TO BE REMOVED – TYP. (BY OWNER – N.I.C.) — 1
8. CHAIN LINK FENCING AND GATE BY OWNER (N.I.C.) VIKING F-1 SWING GATE OPERATOR WITH V-FLEX CONTROLLER TO BE FURNISHED AND INSTALLED BY CONTRACTOR – SEE 17/A2
9. EXISTING PARKING SPACES TO REMAIN – TYP.
10. EXISTING BUILDING TO BE REMOVED (BY OWNER – N.I.C.)
11. APPROXIMATE EXTENT OF ASPHALT REPLACEMENT (BY OWNER – N.I.C.)
12. NEW SPACES FOR IMPOUNDED VEHICLE STORAGE TO BE STRIPED IN THESE AREAS (4" PAINTED LINES WHITE TRAFFIC PAINT) AS INDICATED BY PARKING SPACE DIMENSIONS – SEE 1 AND 4/A2 (BY OWNER – N.I.C.)
13. CONSTRUCTION ENTRANCE – SEE 13/A2
14. NEW SPACES FOR CUSTOMER AND STAFF PARKING AS INDICATED BY PARKING SPACE DIMENSIONS (4" PAINTED LINES WHITE TRAFFIC PAINT) – SEE 1 AND 4/A2 (BY OWNER – N.I.C.)
15. CONDENSING UNIT ON CONCRETE PAD – SEE SHEET M101 — 2
16. NOTE: CONTRACTOR SHALL LOCATE EXISTING CATCH BASINS THAT MAY BE SUSCEPTIBLE TO RUNOFF FROM CONSTRUCTION AREAS – INSTALL INLET PROTECTION DURING CONSTRUCTION – SEE 15/A2
17. PIPE BOLLARD – SEE 8/A2 (BOLLARDS AROUND EMERGENCY GENERATOR AND FUEL TANK ARE **ADD ALTERNATE "A"**
18. 8" MIN. CONC. PAD WITH 6x6 W4.0 x W4.0 W.W.F. ON 4" MIN. GRAVEL FILL W/ DOWELLED CONTRACTION JOINTS AT 25'-0" MAX. AND DOWELLED EXPANSION JOINTS @ 50'-0" MAX. – SEE 19 & 20/A2
19. EXTEND 8" PVC DOWNSPOUT LEADER UNDER PAVING TO OUTLET WITH RIPRAP PROTECTION – SEE CITY OF KNOXVILLE BMP MANUAL ACTIVITY ES-23 AND 18/A2 – CONTRACTOR TO TRENCH EXISTING PAVING AND INSTALL BEDDING MATERIAL, PIPE AND AGGREAGATE BASE IN PREPARATION FOR OWNER'S SEPARATE PAVING CONTRACTOR TO INSTALL ASPHALT – SEE 16/A2 — 1
20. EXTEND NEW CHAIN LINK FENCING TO EXISTING AS DIRECTED BY OWNER TO ENCLOSE IMPOUND LOT (BY OWNER – N.I.C.)
21. TIE NEW 1" WATER LINE INTO EXISTING WATER METER AS DIRECTED BY UTILITY AND ALL APPLICABLE AUTHORITIES – FIELD VERIFY EXACT METER LOCATION – SEE SHEET P101 FOR CONTINUATION
22. TIE NEW 4" SANITARY LINE INTO EXISTING SANITARY SEWER MANHOLE AS DIRECTED BY UTILITY AND ALL APPLICABLE AUTHORITIES – SEE SHEET P101 FOR CONTINUATION
23. CONCRETE WHEELSTOP – SEE 3/A2 (BY OWNER – N.I.C.)
24. SANITARY CLEANOUT WITH CAST IRON COVER FLUSH WITH SIDEWALK – SEE SHEET P101
25. NEW CROSSWALK – SEE 22/A2 – RUNNING SLOPE IN DIRECTION OF TRAVEL SHALL BE 1:20 MAX. AND CROSS SLOPE SHALL BE 1:48 MAX. FOR COMPLETE PATH FROM ACCESSIBLE PARKING SPACES TO CURB RAMP LANDING (BY OWNER–N.I.C.)
26. INLINE CURB RAMP – SEE 4/A3
27. CHAIN LINK FENCE PERSONNEL GATE BY OWNER (N.I.C.) – GATE SHALL BE SUPPLIED WITH ADA-COMPLIANT EGRESS HARDWARE. UNLATCHING OF THE GATE FROM THE EGRESS SIDE SHALL NOT REQUIRE MORE THAN ONE OPERATION AND SHALL NOT REQUIRE USE OF A KEY. HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. HARDWARE SHALL BE LOCATED 34" MIN. – 48" MAX. ABOVE FINISHED GRADE. — 1
28. PROPOSED NEW ELECTRICAL SERVICE WITH SINGLE PHASE TRANSFORMER AND OVERHEAD POWER LINE TO METER CENTER ON THE BUILDING (SEE SHEET E002) – COORDINATE TRANSFORMER PLACEMENT AND OVERHEAD SERVICE WITH KUB – SLACK POLE MAY BE REQUIRED
29. NEW WATER QUALITY EASEMENT – COORDINATE FINAL LOCATION WITH CITY OF KNOXVILLE ENGINEERING DEPARTMENT — 2

GRADING AND EROSION NOTES

1. PRIOR TO GRADING, THE GRADING CONTRACTOR SHALL STRIP SITE OF ALL VEGETATION AND TOPSOIL IN AREAS OF GRADING OPERATION. AREAS OF SOFT OR UNSUITABLE MATERIALS SHALL BE REMOVED AT THE DIRECTION OF THE SOILS ENGINEER.

2. THE GRADING CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE SITE AND USE ALL MEANS NECESSARY TO PREVENT SEDIMENT FROM EXITING THE SITE.

3. SILT FENCES SHALL BE PLACED PRECEDING ALL CULVERT INLETS OR OTHER DRAINAGE DITCHES BEFORE RUNOFF EXITS THE PROJECT OR ENTERS A SWALE AND AT OTHER LOCATIONS DESIGNATED BY THE ARCHITECT AND ALL APPLICABLE AUTHORITIES.

4. SILT FENCES SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED WITH SUCH SEDIMENT.

5. ALL DIMENSIONS AND LOCATIONS OF TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL DEVICES SHALL BE SUBJECT TO ADJUSTMENTS AS DESIGNATED BY THE ARCHITECT AND ALL APPLICABLE AUTHORITIES.

6. THE GRADING CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CHANGES IN EXISTING TOPOGRAPHIC FEATURES, SPOT ELEVATIONS, OR UTILITIES SHOWN ON THE SURVEY AND/OR SITE PLAN.

7. THE GRADING CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO THE INSTALLATION OF ALL CULVERTS TO VERIFY INVERTS.

8. ALL GRADED AREAS INCLUDING SLOPES ARE TO BE MULCHED AND SEEDED AS SOON AS POSSIBLE AFTER GRADING IS COMPLETED. SOD ALL SLOPES GREATER THAN 2:1.

9. ALL GRADING AND DRAINAGE ORDINANCES OF THE CITY OF KNOXVILLE SHALL BE FOLLOWED.

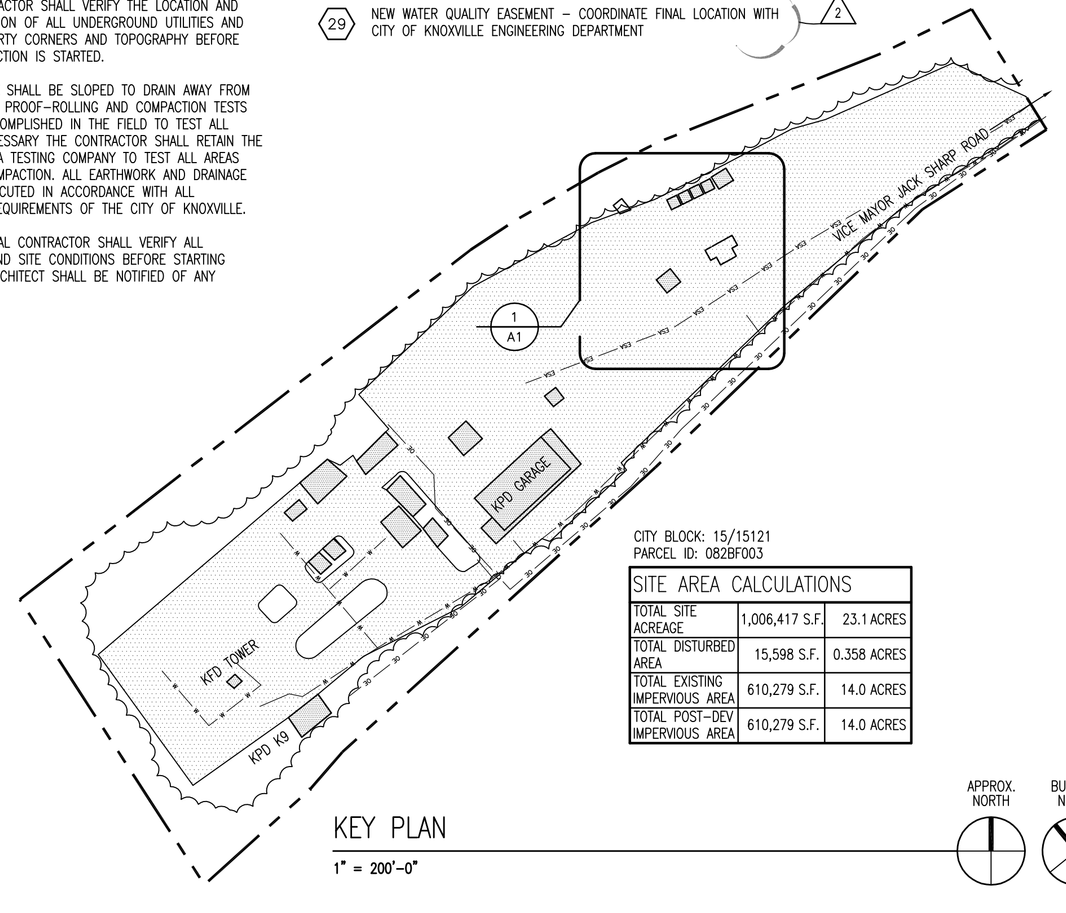
10. APPLY TEMPORARY SEEDING WHENEVER GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND FINAL GRADING OF EXPOSED SURFACES IS TO BE COMPLETED WITHIN ONE YEAR. APPLY TEMPORARY SEEDING TO SOIL STOCKPILES. APPLY PERMANENT SEEDING WHENEVER GRADING OPERATIONS ARE COMPLETED AND ALL CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. APPLY PERMANENT SEEDING TO ALL NON-CONSTRUCTION AREAS WHICH SHOW SIGNS OF EXCESSIVE EROSION.

11. THE GRADING CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION OF ALL EROSION CONTROL MEASURES. INSPECTION OF EROSION CONTROL MEASURES WILL BE PERFORMED ON A BI-WEEKLY BASIS, BEFORE ANTICIPATED STORM EVENTS AND WITHIN 24 HOURS AFTER A STORM EVENT OF 0.5 INCHES. INSPECTION CERTIFICATIONS WILL BE KEPT ON RECORD BY THE GRADING CONTRACTOR. AS OF JUNE 17, 2007, ALL INSPECTORS MUST HAVE COMPLETED THE WATER RESOURCES RESEARCH CENTER COURSE IN FUNDAMENTALS OF EROSION PREVENTION & SEDIMENT CONTROL OR EQUIVALENT COURSE.

12. THE CONTRACTOR IS REPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF CONSTRUCTION POLLUTION PREVENTION CONTROLS THROUGHOUT THE LIFE OF THE PROJECT.

13. ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE GRADING CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE GRADING PERMITTEE.

14. INSTALL SAND BAG BARRIER (ES-16) WHERE INDICATED IF NECESSARY, AS DIRECTED BY THE CITY OF KNOXVILLE. — 1



CITY BLOCK: 15/15121
PARCEL ID: 082BF003

SITE AREA CALCULATIONS		
TOTAL SITE ACREAGE	1,006,417 S.F.	23.1 ACRES
TOTAL DISTURBED AREA	15,598 S.F.	0.358 ACRES
TOTAL EXISTING IMPERVIOUS AREA	610,279 S.F.	14.0 ACRES
TOTAL POST-DEV IMPERVIOUS AREA	610,279 S.F.	14.0 ACRES

KEY PLAN

1" = 200'-0"

A NEW FACILITY FOR:
CITY OF KNOXVILLE
VEHICLE IMPOUNDMENT
KNOXVILLE, TENNESSEE

THE DESIGN PROFESSIONAL WAIVES ANY LIABILITY ARISING OUT OF PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT CONTAINED HEREIN AND PROBLEMS WHICH ARISE FROM OTHER'S FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY DISCREPANCIES, AMBIGUITIES, OR CONFLICTS WHICH ARE ALLEGED.

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THOMAS J. CALDWELL
REGISTERED ARCHITECT
No. 02094
STATE OF TENNESSEE
4/26/19

DRAWING NAME:
SITE PLAN, NOTES, AND DETAILS

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REVISION DATE:
1 04/26/19
2 05/23/19

DATE: 12/31/18
DRAWN BY: WAD
COMM. NO: 1612
SHEET: 4 OF 25
DRAWING NO: A1

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