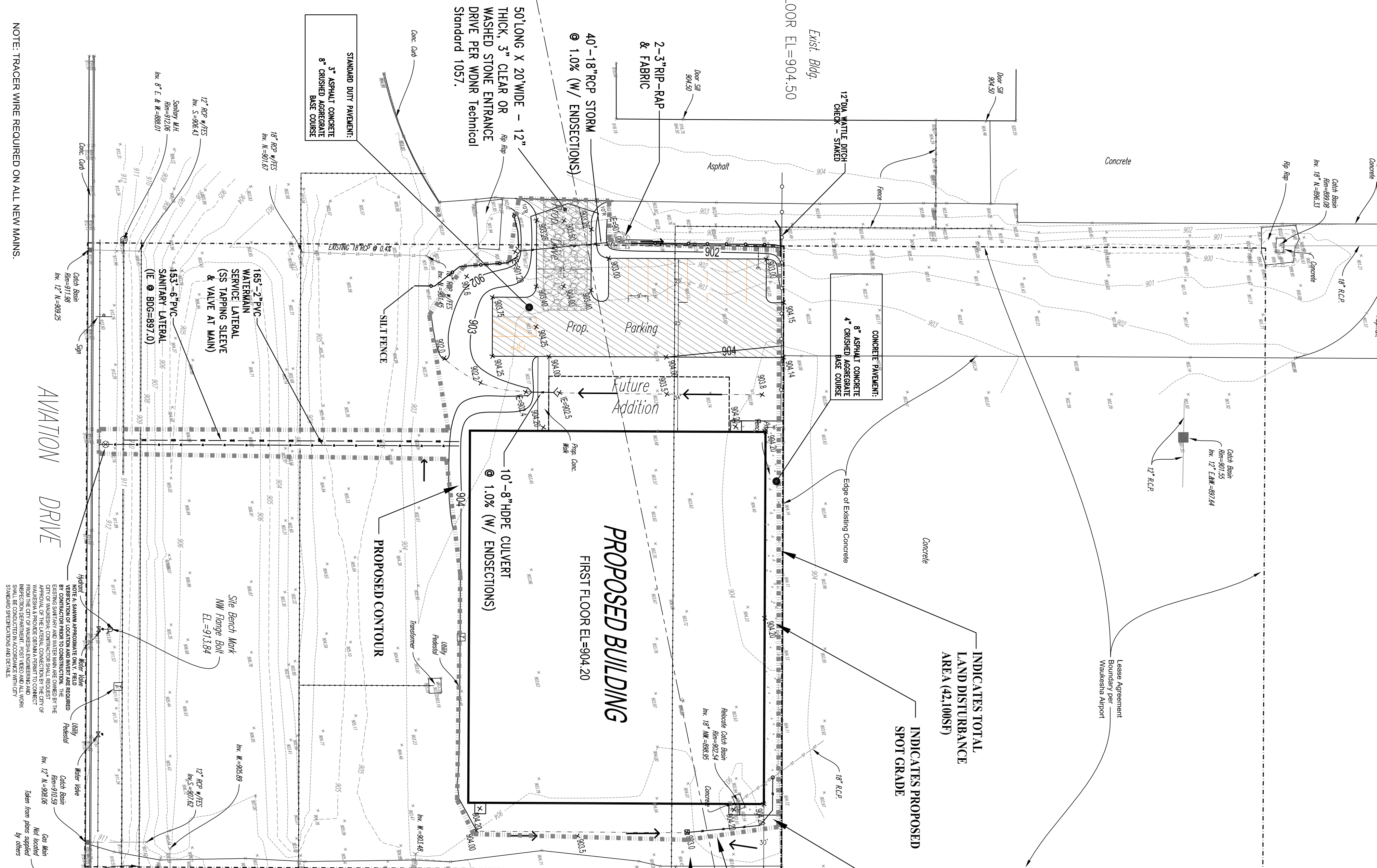


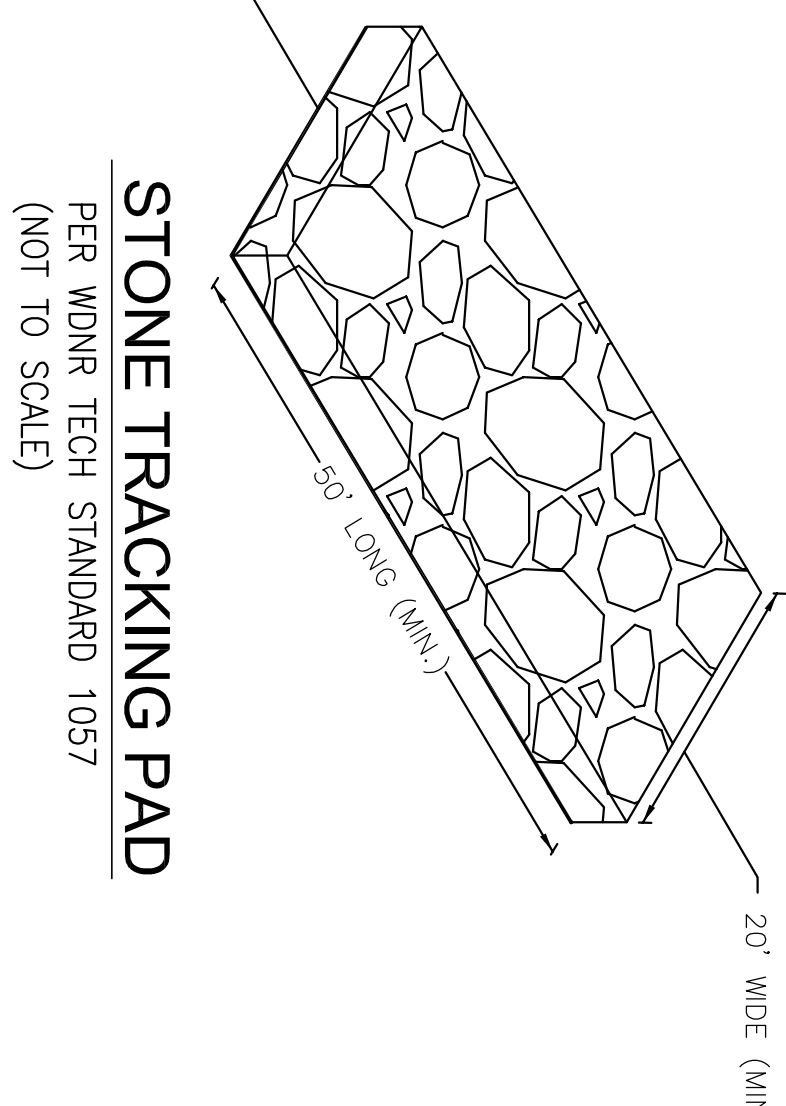
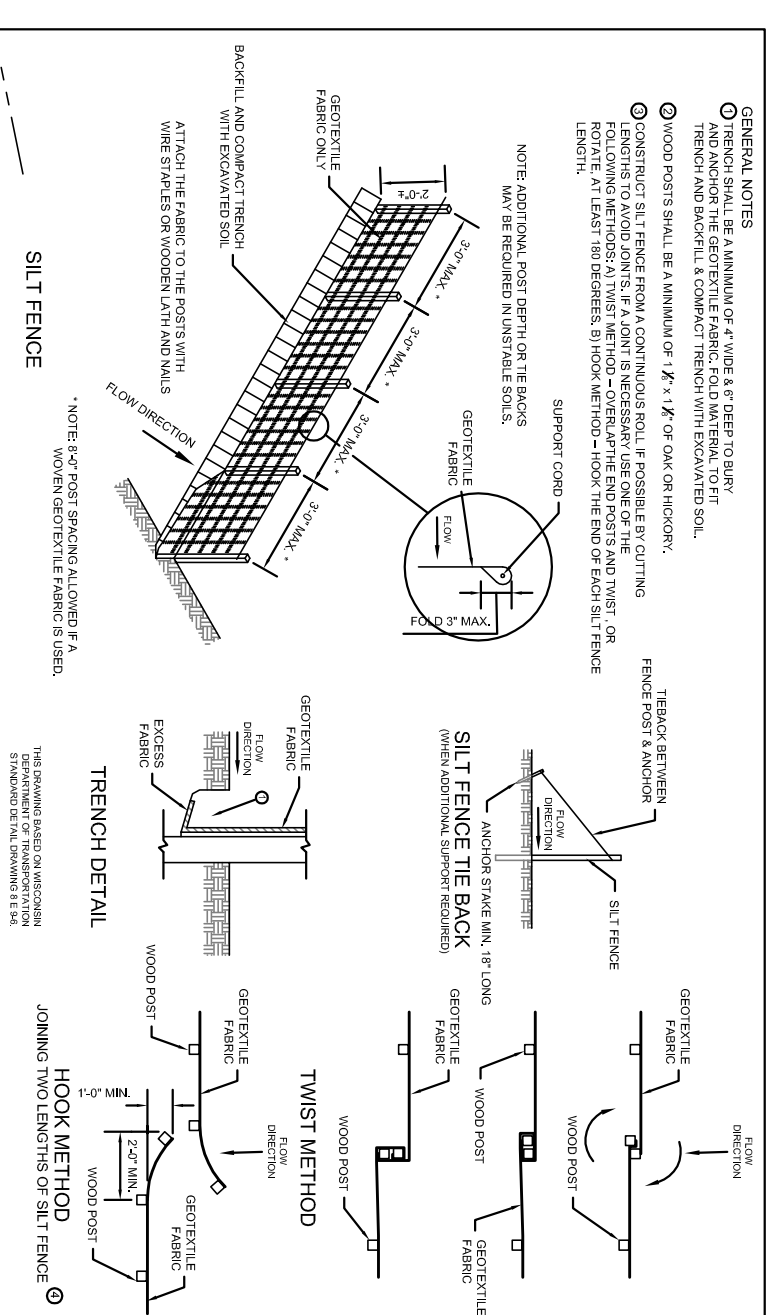
NOTE: THE EXISTING CONDITIONS SURVEY WAS CONDUCTED BY METROPOLITAN SURVEY SERVICE, INC. DATED DECEMBER 2018.



Graphic Scale  
1" = 30'  
1" = 60'

SCALE: 1" = 30'  
(SCALE: 1" = 60'  
@ 11 x 17)

INDICATES TOTAL LAND DISTURBANCE AREA (42,100SF)  
INDICATES PROPOSED SPOT GRADE



**STONE TRACKING PAD**  
PER WDMR TECH STANDARD 1057  
(NOT TO SCALE)

**NOTE:**  
THIS PROJECT SHALL FOLLOW ALL REQUIREMENTS WITHIN THE WAUKESHA COUNTY STORM WATER MANAGEMENT & EROSION CONTROL ORDINANCE.

TOTAL PROPOSED DISTURBED AREA = 423,560sf  
NO WDMR NOI GRADING PERMIT REQUIRED.  
CITY OF WAUKESHA STORM WATER EROSION CONTROL PERMIT IS REQUIRED BY THE CONTRACTOR PRIOR TO ANY LAND DISTURBANCE (CONTACT THE CITY ENGINEERING DEPARTMENT).

- PRIVATE WATER MAIN, SANITARY & STORM SEWER SPECIFICATIONS:**
- All work shall be in accordance with the Standard Specifications for Highway and Structure Construction, State of Wisconsin, Latest Edition; the State of Wisconsin Standard Specifications for Construction, State of Wisconsin, Latest Edition; the City of Waukesha Department of Safety and Professional Services Plumbing Code; and the City of Waukesha Ordinances.
  - The private water main, sanitary & storm sewer design, permitting, construction, installation, supervision, maintenance, inspection AND testing shall be in accordance with State of Wisconsin, Chapter SPS 382. All permits must be obtained by the contractor prior to commencing work.
  - Private sanitary laterals shall be PVC (solid wall) ASTM D-3024, DR-35 or 28; or PVC (solid wall) AWWA C-900 per the State of Wisconsin Plumbing Code, Chapter SPS 382 and the Standard Specifications for Sewer & Water Construction in Wisconsin.
  - Private Water main laterals shall be PVC (solid wall), AWWA C-900, CLASS 255, DR-18 with Push-On type integral elastomeric bell-spigot joints per the State of Wisconsin Plumbing Code, Chapter SPS 382 AND the Standard Specifications for Sewer & Water Construction in Wisconsin.
  - Private Storm Sewers shall be PVC (solid wall) DR-26 OR HDPE, per the State of Wisconsin Standard Specifications for Sewer & Water Construction in Wisconsin, in accordance with File No. 26 of the Standard Specifications for Sewer & Water Construction in Wisconsin with a Neenah No. R2471 frame & grate. Manhole diameter sized per File No. 12. Storm inlets shall be precast concrete box structures in accordance with File No. 29 of the Standard Specifications for Sewer & Water Construction in Wisconsin with a Neenah No. R3277-C frame & grate or EQUAL.

**EROSION CONTROL SPECIFICATIONS AND CONSTRUCTION SEQUENCING:**

- OWNER'S REPRESENTATIVE DATE
- DATE
1. Before grading begins the project surveyor will stake out the property lines, stilt fence and parking lot corners. The general contractor is charged with installing and maintaining all stilt fences, seeding and other erosion control practices.
2. application
3. Construction is scheduled to begin on or about \_\_\_\_\_
4. The gravel tracking pad will be installed at the entrance first.
5. The stilt fence shall be installed on a gravel pad at the site. Hour access material off-site. Excavated areas shall be protected with erosion control matting.
6. Constructed findings and place stone over entire parking area. Install inlet protection and restore disturbed areas with erosion control matting upon completion.
7. Erosion control inspections will be performed weekly and after each rain event of 0.5 inches or more. The contractor shall submit a report of inspection findings to the City of Waukesha.
8. Complete the parking lot after May, 2019.
9. Construction completion is anticipated for greater than 7 days shall be stabilized with temporary measures such as soil treatment, temporary seeding or mulching. "Inactive" means that no site grading, landscaping or utility work is occurring on the site and that rain is not limiting these activities. Frozen soils do not exclude the site from this requirement.
10. Erosion control measures shall be installed in accordance with the 2019 storm water stabilization specifications listed below.
11. After grass areas are well established, request final inspection by the county to remove the stilt fence.
12. After grass areas are well established, request final inspection by the county to remove the stilt fence.
13. Seeding rates and mixes for non-field areas shall conform to WisDOT Roadway Standard Section 630.

**Late Season Stabilization Requirements for Sites > 1 Acre**

1. Vegetated Channels (roadside, swales and other stormwater conveyances): All planned vegetated channels shall be treated with soil stabilization BMPs (i.e. erosion control matting, turf reinforcement mat, sod, riprap, soil stabilizers, etc.) by no later than November 15 in sediment traps, stilt fence and other sediment control BMPs are used only during grading work, and must be replaced with soil stabilization BMPs per the approved plans ASAP. None of the sediment control BMPs are acceptable for open channels over winter.
2. Liming: Liming materials, Regulators and BMPs: Soil stabilization BMPs are organized in three risk or Risk Level: 1. Permanent Vegetation (before September 15): Topsoil, seed and fertilizer oil distributed areas by September 15 in accordance with the rates and mixes of Wisconsin Department of Transportation (WisDOT) Roadway Standard Section 630.
3. Erosion Control: Immediately apply much erosion control matting, turf reinforcement mat, erosion control fabric, or other erosion control BMPs. Application of all BMPs shall follow DNR technical standards.
4. Maintenance: Inspect all seeded areas weekly. Ensure adequate water is provided until full break level 2: Temporary Vegetation (before October 15): Topsoil, seed and fertilizer oil distributed areas by October 15 in accordance with the following:
  1. Seeding: The above noted seeding mix must include a minimum of 2 lbs. per 1,000 sq. ft. of a temporary cover (i.e. white mulch or annual ryegrass for fall plantings) per WisDOT Roadway Standard Section 630.
  2. Erosion Control: Immediately apply much erosion control matting, turf reinforcement mat, erosion control fabric, following DNR technical standards. The following are minimum requirements for stabilizing sites during this period. Approved plans may be more restrictive due to site conditions:
    1. Channel Flow (roadside swales, etc.) and Backstops: Stake erosion matting over the entire channel flow. Apply Type 2 Soil Stabilizer, mulch and tackifier from the WisDOT Product list.
    2. Other disturbed areas: Apply Type 2 Soil Stabilizer, mulch and tackifier from the WisDOT Product list.
    3. Inlets/outlets: Install sod pads (2 rolls) at all culvert outlets, and other high-erosion locations in accordance with County standards.
    4. Maintenance: Inspect all seeded areas weekly. Ensure adequate water is provided until full break level 2: Temporary Vegetation (before November 15) in accordance with the following:
      1. Seeding Rate: Same seed mix as Risk Level 2 (including temporary cover crop) except the rates for perennial species must be applied at 1.5 x WisDOT section 630 rates (apply rates associated with dormant seeding due to frozen conditions).
      2. Fertilizer: In addition to applying topsoil, the above noted seed mix and starker fertilizer, the following are minimum requirements for stabilizing sites during this period. Approved erosion control plans may be more restrictive:
        1. Channel Flow (roadside swales, etc.) and Backstops: Apply Type 1 soil stabilizer and staked PAL. All channel back stops must be treated with Class II, Type A soil erosion control matting.
        2. Other Areas: Apply Type A Soil Stabilizer from the WisDOT Product Acceptability List to all other disturbed areas that remain exposed.
        3. Inlets/outlets: Install sod pads (2 rolls) at all culvert outlets, and other high-erosion locations in accordance with County standards.
      3. Maintenance: Inspect all seeded areas weekly. Ensure adequate water is provided until full break level 2: Temporary Vegetation (before November 15) in accordance with the following:
        1. Seeding Rate: Same seed mix as Risk Level 2 (including temporary cover crop) except the rates for perennial species must be applied at 1.5 x WisDOT section 630 rates (apply rates associated with dormant seeding due to frozen conditions).
        2. Fertilizer: In addition to applying topsoil, the above noted seed mix and starker fertilizer, the following are minimum requirements for stabilizing sites during this period. Approved erosion control plans may be more restrictive:
          1. Channel Flow (roadside swales, etc.) and Backstops: Apply Type 1 soil stabilizer and staked PAL. All channel back stops must be treated with Class II, Type A soil erosion control matting.
          2. Other Areas: Apply Type A Soil Stabilizer from the WisDOT Product Acceptability List to all other disturbed areas that remain exposed.
          3. Inlets/outlets: Install sod pads (2 rolls) at all culvert outlets, and other high-erosion locations in accordance with County standards.

**REGISTERED PROFESSIONAL ENGINEER**  
MARK R. ELLER  
STATE OF WISCONSIN  
No. 12-0000000000

**REGISTERED PROFESSIONAL ENGINEER**  
ELENA M. WALKER  
STATE OF WISCONSIN  
No. 12-0000000000

**REGISTERED PROFESSIONAL ENGINEER**  
MARK R. ELLER  
STATE OF WISCONSIN  
No. 12-0000000000

**ELLEN ENGINEERING CONSULTANTS, LLC**  
1000 Plain Parkway, Suite 100 • Elm Grove, WI 53122  
Phone: 262-784-0183 • Fax: 866-657-2284 • Email: mellen@elleneng.com

**GRADING, PAVING & UTILITY PLAN**

**PROPOSED FOR:**  
**STEINS AIRCRAFT SERVICES**  
CITY OF WAUKESHA WISCONSIN

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**PLANNERS ARCHITECTS BUILDERS**  
**Keller**  
2620 Stewart Avenue  
Kaukauna, WI 54130  
PHONE (920) 768-5795 or 1-800-238-2534  
FAX (920) 768-5004

**WWW.KELLERBUILDERS.COM**

**ARCHITECT:** S. LAUSTEN  
**DRAWN BY:**  
**EXPIRED:**  
**SUPERVISOR:**  
**PRELIMINARY NO.:**  
**CONTRACT NO.:**  
**DATE:** 01-08-18  
**SHEET:** C100