

# Information for File #2015-02994-MHK

**Applicant:** Global Jet Properties, LLC  
**Corps Contact:** Marie Kopka  
**Address:** 250 N. Sunnyslope Road, Suite 296  
Brookfield, Wisconsin 53005  
**E-Mail:** Marie.H.Kopka@usace.army.mil  
**Phone:** (651) 290-5733  
**Primary County:** Kenosha  
**Section:** 29 and 32  
**Township:** 2N  
**Range:** 22E  
**Information Complete On:** October 20, 2015  
**Posting Expires On:** November 20, 2015  
**Authorization Type:** Section 404 Letter of Permission

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are subject to Corps of Engineers jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link:  
<http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

**Project** PROJECT DESCRIPTION AND PURPOSE: The applicant is applying for a Department of the Army permit to discharge fill material into waters of the U.S. for the construction of a 134,517 square foot airport apron, a 37,275 square foot hangar/office/shop building complex, installation of a storm sewer line, access drives, and parking lot for the purpose of expanding commercial development at the Kenosha Regional Airport. In conjunction with this project, a dry detention basin would also be constructed.

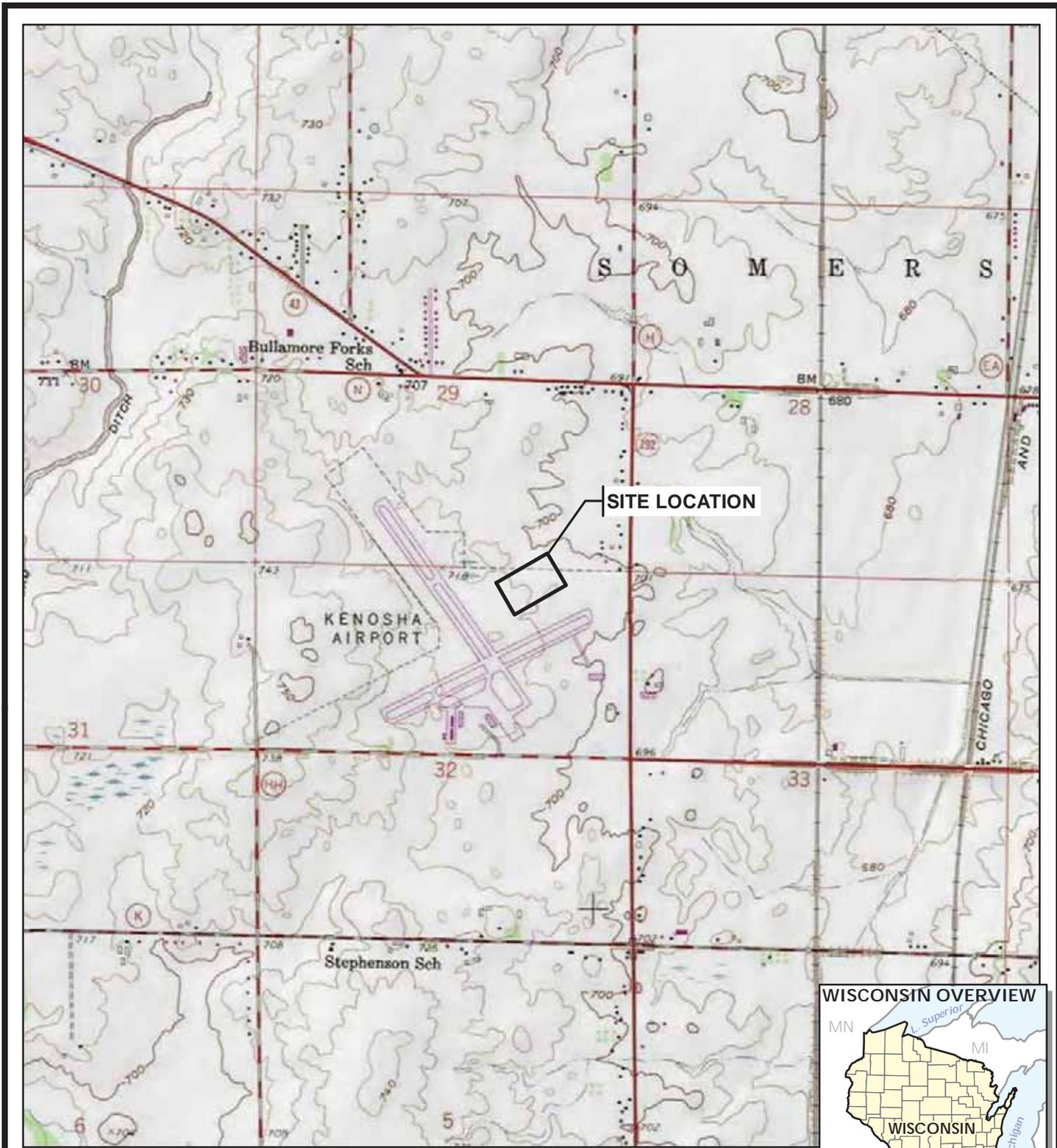
NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS: The proposed project would result in the discharge of fill material and permanent loss of 0.49 acre of wetlands adjacent to an unnamed tributary to Pike Creek. The 0.25 acre of Wetland 3 that would be lost consists of fresh wet meadow dominated by reed canary grass. The 0.24 acre of Wetland 2 that would be impacted is dominated by redtop grass, broom sedge, and common spike rush in the fresh wet meadow portion and narrow-leaf cattail in the shallow marsh community.

ALTERNATIVES CONSIDERED: The applicant has stated that there are no other parcels of land at the airport that are accessible with utilities available. The applicant also stated that the remaining developable land to the north of the existing Stein Aviation Services Hangar is too small to accommodate the proposed building complex. Other site constraints include the runway clear zones and the need to align the proposed apron with the existing apron. An additional alternative site configuration was dismissed due to larger wetland impacts. The no-build alternative would avoid impacts to aquatic resources but was not considered by the applicant because it failed to address the purpose of the project.

COMPENSATORY MITIGATION: The applicant proposes to fulfill federal compensatory mitigation requirements by purchasing advanced credits from the Wisconsin Wetland Conservation Trust (In-Lieu Fee) contingent upon Corps approval.

Additional information is available upon request.

**Drawings** See attached exhibits labeled, MVP-2015-02994-MHK, Pages 1 through 4.



BASE MAP FROM USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES.




150 North Patrick Blvd.  
Suite 180  
Brookfield, WI 53045  
Phone: 262.879.1212

TRC - GIS

PROJECT:	<b>KENOSHA REGIONAL AIRPORT PARTIAL SITE WETLAND DELINEATION KENOSHA, WISCONSIN</b>
TITLE:	<b>SITE LOCATION MAP</b>

DRAWN BY:	RHODE B
CHECKED BY:	BROTKOWSKI L
APPROVED BY:	LONDRE R
DATE:	AUGUST 2015
PROJ. NO.:	240991
FILE:	240991-001slm.mxd
<b>FIGURE 1</b>	

TRC - GIS

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet (Foot US)  
Map Resolution: 0

Plot Date: 8/9/2015 14:21:21 PM by JPAREZ - J:\OUT\ANSI\11\177  
Path: E:\Wetland\General\Kenosha\airport\2015\_2\0991\24091\_1008.mxd

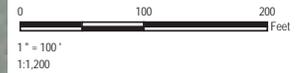


**LEGEND**

-  STUDY AREA
-  UPLAND SAMPLE LOCATION
-  WETLAND SAMPLE LOCATION
-  TRC DELINEATED WETLAND

**NOTES**

1. BASE MAP IMAGERY FROM GOOGLE EARTH PRO & PARTNERS, JUNE 2015.
2. WETLAND BOUNDARIES DELINEATED BY TRC ON JULY 30, 2015. ACREAGES PROVIDED REPRESENT WETLAND AREAS WITHIN THE STUDY AREA ONLY.



PROJECT:		
<b>KENOSHA REGIONAL AIRPORT PARTIAL SITE WETLAND DELINEATION KENOSHA, WISCONSIN</b>		
TITLE:		
<b>WETLAND DELINEATION MAP</b>		
DRAWN BY:	RHODE B	PROJ. NO.: 240991
CHECKED BY:	BROTKOWSKI L	
APPROVED BY:	LONDRE R	<b>EXHIBIT A</b>
DATE:	AUGUST 2015	
		150 North Patrick Blvd., Suite 180 Brookfield, WI 53005 Phone: 262.879.1212 www.trcsolutions.com
FILE NO.:	240991-008.mxd	



**GENERAL GRADING NOTES**

- CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL DRAIN PROFILES AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
- ALL PROPOSED GRADES SHOWN ARE FINISHED SURFACE GRADES, PAVING LOT AND DRAINAGE LEAVES ARE FINISHED GRADES. SPOT GRADES SHALL BE REFERENCED TO FINISH GRADES, NOT TOP OF CURB GRADES, UNLESS OTHERWISE SPECIFICALLY NOTED.
- CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND COUNTY OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORM WATER MANAGEMENT PLANS. CHANGES OF RECORD AND VARIANCE MUST BE APPROVED PRIOR TO EXCAVATION FROM THE.
- THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JOB ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EROSION CONTROL DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARD OF CARE, THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
- CONTRACTOR IS RESPONSIBLE FOR CONDUCTING APPROPRIATE UTILITY COMPANIES TO DETERMINE IF RELATIONSHIP OF UTILITY POLES, TELEPHONE AND OTHER UTILITY BODIES, AND/OR OTHER UTILITIES WILL BE REQUIRED. CONTRACTOR SHALL NOTIFY OWNER FOR APPROVAL PRIOR TO RELATIONSHIP OF SAID UTILITIES.

**CONSTRUCTION SITE SEQUENCING:**

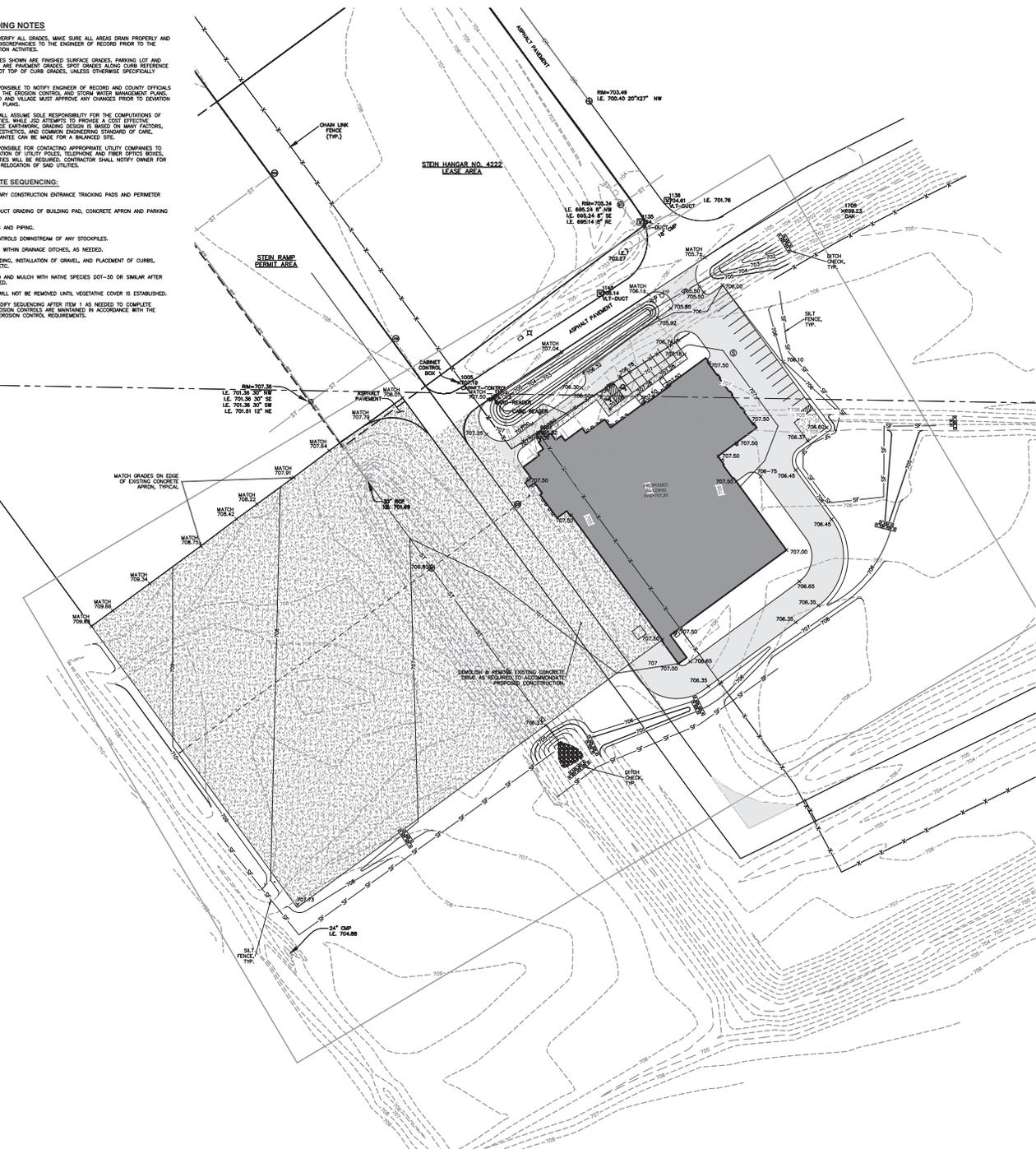
- INSTALL THE TEMPORARY CONSTRUCTION ENTRANCE TRACKING PADS AND PERIMETER EROSION CONTROLS.
- STRIP TOPSOIL, CONDUCT GRADING OF BUILDING PAD, CONCRETE APRON AND PARKING AREAS.
- INSTALL UTILITY LINES AND PIPING.
- INSTALL EROSION CONTROLS DOWNSTREAM OF ANY STOCKPILES.
- NESTAL CHECK DAMS WITHIN DRAINAGE DITCHES, AS NEEDED.
- COMPLETE FINAL GRADING, INSTALLATION OF CURBS, AND PLACEMENT OF CURBS, PAVEMENTS, WALLS, ETC.
- PLACE TOPSOIL, SEED AND MULCH WITH NATIVE SPECIES DOT-30 OR SIMILAR AFTER GRADING IS COMPLETED.
- EROSION CONTROLS WILL NOT BE REMOVED UNTIL VEGETATIVE COVER IS ESTABLISHED.
- CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM 1 IS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.

**EROSION AND SEDIMENT CONTROL NOTES:**

- ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN WISCONSIN'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER GENERAL PERMIT FOR CONSTRUCTION SITE LAND DISTURBANCE ACTIVITIES. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND BALDWIN COUNTY ORDINANCES. THESE PROCEDURES AND STANDARDS SHALL BE REFERENCED TO AS BEST MANAGEMENT PRACTICES (BMP'S). IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF, AND UNDERSTAND, THE BMP'S PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL CONTROL MEASURES AS DIRECTED BY JOB PROFESSIONAL SERVICES, INC. OR GOVERNING AGENCIES SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
- MODIFICATIONS TO THE APPROVED EROSION CONTROL PLAN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED. E MODIFICATIONS CONFORM TO BMP'S. ALL MODIFICATIONS MUST BE APPROVED BY JSD AND MUST BE IN ACCORDANCE WITH THE BMP'S PROCEDURES AND STANDARDS.
- INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND PROTECTION TO EXISTING NEETS) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN IN PROPOSED TRACKING SYSTEM FROM SEDIMENT TRANSPORT.
- CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN ACCORDANCE WITH BMP'S AT ALL LOCATIONS OF VEHICLE ACCESS/EGRESS POINTS. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATIONS WITH THE PROPER AUTHORITIES, PROVIDE NECESSARY LOTS AND CLOSURE REQUIRED APPROVALS OR PERMITS. ALL CONSTRUCTED ENTRANCES (AS SHOWN ON THE PLANS) MUST BE PRE-APPROVED BY THE APPLICABLE GOVERNING AGENCIES PRIOR TO INSTALLATION.
- PAVED SURFACES IN AND ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEEP AND/OR SCAMPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR GROUT AFTER THE END OF EACH WORK DAY AND AS REQUIRED BY THE GOVERNING AGENCIES.
- ALL EXISTING STORM SEWER FACILITIES THAT WILL COLLECT RUNOFF FROM DISTURBED AREAS SHALL BE PROTECTED TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS. INTAKE STRUCTURES SHALL BE IMMEDIATELY FITTED AT THE POINT OF ALL INSTALLED STORM SEWER ALL INLETS, STRUCTURES, PIPES, AND SMOLES SHALL BE KEPT CLEAR AND FREE OF SEDIMENTATION AND DEBRIS.
- EROSION CONTROL FOR ALL CONSTRUCTION OUTSIDE OF THE PERIMETER CONTROLS SHALL INCORPORATE THE FOLLOWING:
  - ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER CONSTRUCTION.
  - DISCHARGE ACCUMULATED WATER INTO A FILTERING TANK, IN ACCORDANCE WITH BMP PRACTICES, PRIOR TO RELEASE INTO STORM SEWER OR DRAINAGE.
- AT A MINIMUM, ANY REQUIRED SEDIMENT BARRIERS AND/OR NECESSARY TEMPORARY DRAINAGE PROVISIONS SHALL BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED IMMEDIATELY AFTER THE COMPLETION OF EACH WORK DAY.
  - ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRS DURING CONSTRUCTION AND UPON THE SITE IS COMPLETELY STABILIZED AND HAS BEEN APPROVED AND ACCEPTED BY THE OWNER.
- TOPSOIL STOCKPILES SHALL BE MADE A BERM OR TRENCH ALONG THE CIRCUMFERENCE AND PERIMETER SILT FENCE TO PREVENT TOPSOIL STOCKPILES FROM BEING UNSTABILIZED FOR MORE THAN SEVEN (7) DAYS. TEMPORARY SEEDING AND MULCHING SHALL BE INSTALLED TO THE SURFACE OF EACH STOCKPILE.
- EROSION CONTROL MEASURES TEMPORARILY REMOVED FOR UNAVOIDABLE CONSTRUCTION ACTIVITIES SHALL BE IN WORKING ORDER PRIOR TO THE COMPLETION OF EACH WORK DAY.
- MAINTAIN OVER EROSION CONTROL DURING THE DURATION OF THE PROJECT. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE PROJECT IS COMPLETELY STABILIZED. DISTURBANCES ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
- PUMPS MAY BE USED AS SPREAD DEVICES, IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS WITHOUT PRE-TREATMENT IN ACCORDANCE WITH ACCEPTED BMP METHODS.
- GRADING EFFORTS SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. EROSION AND SEDIMENT CONTROL MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF THIRTY (30) DAYS REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING SHALL BE INSTALLED TO THE SURFACE OF EACH STOCKPILE AND SUPERVISED BY A LICENSED LANDSCAPE ARCHITECT.
- ALL DISTURBED SLOPES EXCEEDING 1:1 HORIZONTAL TO 2:1 VERTICAL SHALL BE STABILIZED WITH NORTH MICHIGAN GREEN STRIP EROSION MATTING (OR APPROVED EQUIVALENT) AND DISTURBED SLOPES EXCEEDING 3:1 VET LESS THAN 2:1 SHALL BE STABILIZED WITH NORTH MICHIGAN GREEN STRIP EROSION MATTING (OR APPROVED EQUIVALENT) OR IMPLICATION OF AN APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED. EROSION MATTING AND/OR NETTING USED ON SLOPES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE FOR THE PURPOSE OF WATERING DOWN SOILS WHICH MAY OTHERWISE BECOME AIRBORNE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT HIS/HER EXPENSE.
- DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE VISUALLY INSPECTED ON A DAILY BASIS FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM.
- QUALIFIED PERSONNEL (PROVIDED BY THE GENERAL/FRAME CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AND EROSION AND SEDIMENT CONTROL WITHIN 24 HOURS UPON IDENTIFICATION. DEFICIENCIES IN STORMWATER CONTROL MEASURES SHALL BE ADDRESSED IMMEDIATELY. THE MAINTENANCE PROCEDURES FOR THE DEVELOPMENT SHALL BE LIMITED TO THE FOLLOWING:
  - ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED.
  - SILT FENCE - REPAIR OR REPLACE ANY DAMAGED FILTER FABRIC AND/OR STAKES. REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE MOUND GRADE HEIGHT OF THE FENCE.
  - CONSTRUCTION ENTRANCE - SWEEP PAVEMENT IMMEDIATELY WHEN SEDIMENT IS CLEARLY VISIBLE ON THE PAVEMENT AT THE ESCORTED CONSTRUCTION ENTRANCES.
  - SEDIMENT CHECK (STRIP) AREAS - RE-SECURE STAKES, ADJUST OR REPOSITION BALES TO ADDRESS PROPER FLOW OF SEDIMENT AND MAINTAIN ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE BALE.
  - SEDIMENT CHECK (STRIP) AREAS - IMMEDIATELY INSPECT REPAIRS BROUGHT ON FULL CONDITIONS. REPAIR AND RE-GRABE SOIL WHERE CHANNELIZATION HAS OCCURRED.
  - SILT PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC AND/OR STAKES WHEN CONTROL MEASURE IS CLOGGED. INLET FILTER BAGS SHALL BE REPLACED ONCE BAG BECOMES ONE-HALF FULL OF SEDIMENT.
- ADDITIONAL POLLUTANT CONTROL MEASURES TO BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
  - CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF THIS INCLUDES ALL CONSTRUCTION SITE WASTE MATERIAL, SANITARY WASTE, AND WASTE FROM TRUCKS OR SEMI-TRAILERS. THE CONTRACTOR SHALL ENSURE THAT NO MATERIAL WASTES OR UNPAID WASTING MATERIALS SHALL BE BURIED, DUMPED, BURNED, OR DISPOSED TO THE BACKS OF THE SITES. VEHICLES Hauling MATERIAL AWAY FROM THE SITE SHALL BE COVERED WITH A TARPULIN TO PREVENT WASTING MATERIALS FROM BEING SPILLED OR LEAKED.
  - SLURRY CONTROL SHALL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS:
    - CONSTRUCTION WASTE SHALL BE PROPERLY DISPOSED OF THIS INCLUDES ALL CONSTRUCTION SITE WASTE MATERIAL, SANITARY WASTE, AND WASTE FROM TRUCKS OR SEMI-TRAILERS. THE CONTRACTOR SHALL ENSURE THAT NO MATERIAL WASTES OR UNPAID WASTING MATERIALS SHALL BE BURIED, DUMPED, BURNED, OR DISPOSED TO THE BACKS OF THE SITES. VEHICLES Hauling MATERIAL AWAY FROM THE SITE SHALL BE COVERED WITH A TARPULIN TO PREVENT WASTING MATERIALS FROM BEING SPILLED OR LEAKED.
    - REINFORCING THE SOIL TO PRODUCE ROUGH PERPENDICULAR TO THE PREVAILING WIND. ROCKES SHALL BE AT LEAST 30 (30) INCHES IN HEIGHT.
    - PREVENT WASTING OF EXCAVATION AND FILL AREAS.
    - SLURRY CONTROL SHALL BE PERFORMED TO IMMEDIATELY REMOVE ANY SEDIMENT TRACKED ON PAVEMENTS.

**LEGEND**

- ⊙ SANITARY SEWER MANHOLE
- ⊙ STORM MANHOLE
- ⊙ UNKNOWN MANHOLE
- ⊙ CATCH BASIN ROUND
- ⊙ CATCH BASIN SQUARE
- ⊙ FIRE HYDRANT
- ⊙ WATER VALVE
- ⊙ POST INDICATOR VALVE
- ⊙ SPRINKLER CONTROL VALVE
- ⊙ SLAMME CONNECTION
- ⊙ WATER MANHOLE
- ⊙ LIGHT POLE
- ⊙ YARD LIGHT
- ⊙ POWER POLE
- ⊙ BOLLARDS
- ⊙ METAL POST
- ⊙ SIGN
- ⊙ GAS VALVE
- ⊙ MONITORING WELL
- ⊙ CONFERENTIAL TREE
- ⊙ DECIDUOUS TREE
- ⊙ BUSH/PLANTER
- SAN — SANITARY SEWER
- W — WATER MAIN
- ST — STORM SEWER
- UG — UNDERGROUND GAS
- E — UNDERGROUND ELECTRIC
- T — UNDERGROUND TELEPHONE
- F — UNDERGROUND FIBER OPTICS
- CH — CHAIN LINK FENCE
- TREE LINE — TREE LINE
- 888 — MAJOR PROPOSED CONTOUR
- 84 — MINOR PROPOSED CONTOUR
- 84.00 — PROPOSED SPOT GRADE (TPR)



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SERVICES PROVIDED TO:

PROJECT:  
**GLOBAL JET HANGAR  
 KENOSHA REGIONAL  
 AIRPORT  
 KENOSHA, WI**

PROJECT LOCATION:  
 KENOSHA COUNTY, WI

JSD PROJECT NO.: 14-6485

REALSIGNATURE:

ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, THE CONTRACTOR AND SUBCONTRACTORS MUST CHECK ALL DETAIL AND DIMENSIONS OF THEIR TRADE AND BE RESPONSIBLE FOR THE SAME.

DESIGN BY:	JSD	03/23/15
DRAWN BY:	JSD	03/23/15
CHECKED BY:	JSD	03/23/15

**REGISTRATION**  
 Call 811 or (800) 246-6501  
 (Before 8:00 AM on 3/31/15)  
 New York From 100-942-9209  
 www.1call811.com

SHEET TITLE:  
**GRADING AND  
 EROSION CONTROL  
 PLAN**

SHEET NUMBER:  
**C-102**