



**CALL DIGGER'S HOTLINE**  
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 TOLL FREE

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WIS. STATUTE 182.075 (1979)  
 REQUIRES MINIMUM OF 3 WORKING DAYS  
 NOTICE BEFORE YOU EXCAVATE

**GRAPHIC SCALE FEET**  
 0 5 10 20

**GRADING AND EROSION CONTROL LEGEND**

- 820- EXISTING MAJOR CONTOURS
- 818- EXISTING MINOR CONTOURS
- 862.33 EXISTING SPOT ELEVATIONS
- 863.13 PROPOSED SPOT ELEVATIONS
- ← DRAINAGE DIRECTION
- ▭ SILT SOCK
- ▭ PROPERTY BOUNDARY
- ▭ PROPOSED BUILDING OUTLINE
- ▭ PROPOSED CURB AND GUTTER
- ▭ EXISTING CONCRETE
- ▭ PROPOSED CONCRETE
- ▭ PROPOSED COLORED AND STAMPED CONCRETE
- ▭ EXISTING ASPHALT PAVEMENT

**ABBREVIATIONS**

- C - BACK OF CURB
- P - EDGE OF PAVEMENT
- W - EDGE OF SIDEWALK
- T/W - TOP OF WALL
- B/W - BOTTOM OF WALL

- EROSION CONTROL MEASURE NOTES:**
- EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE CITY EROSION CONTROL ORDINANCE AND CHAPTER NR 216 OF THE WISCONSIN ADMINISTRATIVE CODE.
  - CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARDS (<http://dnr.wi.gov/runoff/stormwater/techstds.htm>) AND WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.
  - INSTALL SEDIMENT CONTROL PRACTICES (TRACKING PAD, PERIMETER SILT FENCE, ETC.) PRIOR TO INITIATING OTHER LAND DISTURBING CONSTRUCTION ACTIVITIES.
  - THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR AND/OR CITY. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
  - EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
  - A 3' CLEAR STONE TRACKING PAD SHALL BE INSTALLED TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE ADJACENT PAVED PUBLIC ROADWAY. SEDIMENT TRACKING PAD SHALL CONFORM TO W60NR TECHNICAL STANDARD 1057. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORK DAY.
  - STABILIZED DISTURBED GROUND: ANY SOIL OR DIRT PILES WHICH WILL REMAIN IN EXISTENCE FOR MORE THAN 7-CONSECUTIVE DAYS, WHETHER TO BE WORKED DURING THAT PERIOD OR NOT, SHALL NOT BE LOCATED WITHIN 25-FEET OF ANY ROADWAY, PARKING LOT, PAVED AREA, OR DRAINAGE STRUCTURE OR CHANNEL (UNLESS INTENDED TO BE USED AS PART OF THE EROSION CONTROL MEASURES). TEMPORARY STABILIZATION AND CONTROL MEASURES (SEEDING, MULCHING, TARPING, EROSION MATTING, BARRIER FENCING, ETC.) ARE REQUIRED FOR THE PROTECTION OF DISTURBED AREAS AND SOIL PILES, WHICH WILL REMAIN UN-WORKED FOR A PERIOD OF MORE THAN 14-CONSECUTIVE CALENDAR DAYS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SITE HAS STABILIZED.
  - SITE DE-WATERING:** WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS OR OTHER APPROPRIATE CONTROL MEASURES. SEDIMENTATION BASINS SHALL HAVE A DEPTH OF AT LEAST 3 FEET, BE SURROUNDED BY SNOWFENCE OR EQUIVALENT BARRIER AND HAVE SUFFICIENT SURFACE AREA TO PROVIDE A SURFACE SETTLING RATE OF NO MORE THAN 750 GALLONS PER SQUARE FOOT PER DAY AT THE HIGHEST DEWATERING PUMPING RATE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, A NEIGHBORING SITE, OR THE BED OR BANKS OF THE RECEIVING WATER. FLOWERS MAY BE USED AS DIRECTED BY DNR TECHNICAL STANDARD 1061 (DE-WATERING). PUMPING OF WATER FROM FOUNDATION AREA DURING CONSTRUCTION SHALL NOT EXCEED A RATE OF 70 GALLONS PER MINUTE. SUMP PUMP SHALL BE PLACED ON A CLEAR STONE BEDDING AND A CLOTH/MESH SOCK SHALL BE PLACED ON THE OUTLET END OF THE PIPE TO CONTROL SEDIMENT LOSS.
  - WASHED STONE WEEDERS OR TEMPORARY EARTH BERMS SHALL BE BUILT AS NECESSARY BY CONTRACTOR TO TRAP SEDIMENT OR SLOW THE VELOCITY OF STORM WATER.
  - INLET FILTERS ARE TO BE PLACED IN STORMWATER INLET STRUCTURES AS SOON AS THEY ARE INSTALLED. ALL PROJECT AREA STORM INLETS NEED WISCONSIN D.O.T. TYPE D INLET PROTECTION. THE FILTERS SHALL BE MAINTAINED UNTIL THE CITY HAS ACCEPTED THE BINDER COURSE OF ASPHALT.
  - RESTORATION (SEED, FERTILIZE AND MULCH) SHALL BE PER SPECIFICATIONS ON THIS SHEET UNLESS SPECIAL RESTORATION IS CALLED FOR ON THE LANDSCAPE PLAN.
  - ALL AREAS WHICH ARE NOT PAVED SHALL RECEIVE A MINIMUM OF 4" TOPSOIL PRIOR TO SEEDING.
  - SEED, FERTILIZER AND MULCH SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING, TEMPORARY SEED SHALL BE PLACED.
  - FOR THE FIRST SIX WEEKS AFTER RESTORATION (E.G. SEED & MULCH, EROSION MAT, SOD) OF A DISTURBED AREA, INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
  - EROSION MAT (TYPE I CLASS A PER WISCONSIN D.O.T. P.A.L.) SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER BUT LESS THAN 1:1.
  - SOIL STABILIZERS SHALL BE APPLIED TO DISTURBED AREAS WITH SLOPES BETWEEN 10% AND 3:1 (DO NOT USE IN CHANNELS). SOIL STABILIZERS SHALL BE TYPE B, PER WISCONSIN D.O.T. P.A.L. (PRODUCT ACCEPTABILITY LIST), OR EQUAL. APPLY AT RATES AND METHODS SPECIFIED PER MANUFACTURER. SOIL STABILIZERS SHALL BE RE-APPLIED WHENEVER VEHICLES OR OTHER EQUIPMENT TRACK ON THE AREA.
  - SILT FENCE TO BE USED ACROSS AREAS OF THE LOT THAT SLOPE TOWARDS A PUBLIC STREET OR WATERWAY.
  - SEDIMENT SHALL BE CLEANED FROM CURB AND GUTTER AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE.
  - ALL CONSTRUCTION ENTRANCES SHALL HAVE TEMPORARY ROAD CLOSED SIGNS THAT WILL BE IN PLACE WHEN THE ENTRANCE IS NOT IN USE AND AT THE END OF EACH DAY.
  - ANY PROPOSED CHANGES TO THE EROSION CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY OF MADISON.
  - THE CITY OF MADISON, OWNER AND/OR ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME DURING CONSTRUCTION.
  - IF THE TERRACE IN THE R/W IS TO BE DISTURBED, CONTRACTOR SHALL CONSIDER PLACING STONE/MULCH TO MINIMIZE RUNOFF.

- SITE CONSTRUCTION NOTES:**
- CONCRETE SIDEWALK TO BE 5" THICK, CONSTRUCTED ON A BASE OF 4" COMPACTED SAND OR CRUSHED STONE. SEE SHEET C-2.3 FOR DETAILS.
  - CONCRETE FOR DRIVEWAYS AND SIDEWALK AT DRIVEWAY ENTRANCES SHALL BE 7" THICK, CONSTRUCTED ON A BASE OF 5" COMPACTED SAND OR CRUSHED STONE.
  - CONTRACTOR TO OBTAIN ANY NECESSARY UTILITY CONNECTION, DEMOLITION, OR RIGHT-OF-WAY PERMITS.
  - CONTOURS ARE SHOWN FOR PURPOSES OF INDICATING ROUGH GRADING. FINAL GRADE SHALL BE ESTABLISHED ON PAVED SURFACES BY USING SPOT GRADES ONLY.
  - ALL ABANDONED DRIVEWAYS ADJACENT TO THE SITE SHALL BE REPLACED WITH CURB AND THE TERRACE SHALL BE RESTORED WITH GRASS.
  - CONTRACTOR SHALL OBTAIN ANY NECESSARY DRIVEWAY CONNECTION, WORK IN RIGHT-OF-WAY AND EXCAVATION PERMITS PRIOR TO CONSTRUCTION.
  - ANY SIDEWALK AND CURB & GUTTER ABUTTING THE PROPERTY SHALL BE REPLACED IF IT IS DAMAGED DURING CONSTRUCTION OR IF THE CITY ENGINEERING DEPARTMENT DETERMINES THAT IT IS NOT AT A DESIRABLE GRADE, REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
  - PUBLIC RIGHT-OF-WAY IMPROVEMENTS TO BE CONSTRUCTED PER CITY OF MADISON PLANS (PROJECT 5382364).
  - ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY-LICENSED CONTRACTOR.

- CONSTRUCTION SEQUENCE:**
- INSTALL SILT FENCE AND TRACKING PAD.
  - INSTALL INLET PROTECTION ON EXISTING INLETS ADJACENT TO PROPERTY.
  - PERFORM SITE DEMOLITION AND REMOVE PAVEMENT.
  - STRIP SITE TOPSOIL AND STOCKPILE/REMOVE EXCESS.
  - ROUGH GRADE FOR BUILDING PADS AND WALKS.
  - CONSTRUCT UNDERGROUND UTILITIES.
  - INSTALL INLET PROTECTION ON NEW INLETS.
  - CONSTRUCT WALKS, DRIVE, CURB AND GUTTER AND LOADING AREA.
  - FINAL GRADE SITE. INSTALL TOPSOIL, SEED, FERTILIZER AND MULCH.
  - REMOVE SILT FENCE AFTER DISTURBED AREAS ARE RESTORED.

- SEEDING RATES:**
- TEMPORARY:**
- USE ANNUAL OATS AT 3.0 LB./1,000 S.F. FOR SPRING AND SUMMER PLANTINGS.
  - USE WINTER WHEAT OR RYE AT 3.0 LB./1,000 SF FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 15.
- PERMANENT:**
- USE WISCONSIN D.O.T. SEED MIX #40 AT 2 LB./1,000 S.F.
- FERTILIZING RATES:**
- TEMPORARY AND PERMANENT:**
- USE WISCONSIN D.O.T. TYPE A OR B AT 7 LB./1,000 S.F.
- MULCHING RATES:**
- TEMPORARY AND PERMANENT:**
- USE 3/8" TO 1-1/2" STRAW OR HAY MULCH, CRIMPED PER SECTION 607.3.2.3, OR OTHER RATE AND METHOD PER SECTION 627, WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION

**vierbicher**  
 engineers | architects  
 planners | geomorphologists

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**GRADING AND EROSION CONTROL PLAN**  
 E. MIFFLIN & N. WEBSTER STREETS  
 CITY OF MADISON  
 DANE COUNTY, WISCONSIN

REVISIONS	NO.	DATE	REMARKS
REVISIONS	NO.	DATE	REMARKS
REVISIONS	NO.	DATE	REMARKS

SCALE  
 1"=20' (24"x36")  
 1"=40' (11"x17")

DATE  
 2/19/14

DRAFTER  
 JFEL

CHECKED

PROJECT NO.  
 130037

SHEET  
 2 OF 3

DWG. NO.  
 C2.0