

STABILIZED CONSTRUCTION ENTRANCE PLAN

_ <u>_25'</u>

PLAN VIEW

SIDE ELEVATION

1 Filter fabric shall meet the requirements of material specification

over the cleared area prior to the placing of rock.

592 GEOTEXTILE, Table I or 2, Class , I dr bhd shall be placed

2.Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according

to construction specification 25 ROCKFILL using placement Method 1

3 Any drainage facilities required because of washing shall be

4.If wash racks are used they shall be installed according to the

constructed according to manufacturers specifications.

Positive Drainage

Trapping Device.

To Sediment

- Existing

Existing

pavement

STANDARD DWG. NO.

SHEET 1 OF 2

IL-630

(Optional)

Existing

Coarse Aggregate

Operation.

Must Extend Full Width

Of Ingress And Egress

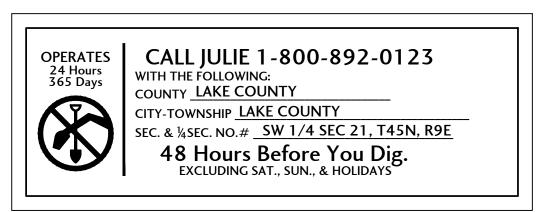
— Existing Ground

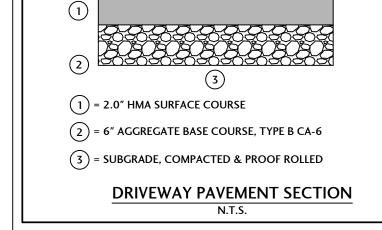
and Class III compaction.

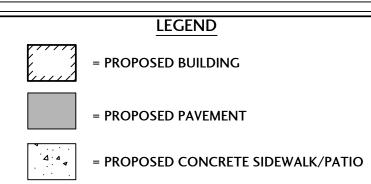
manufacturer's specifications.

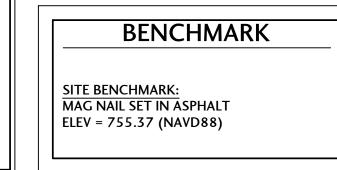
Ground

GEOMETRIC PLAN









GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft.

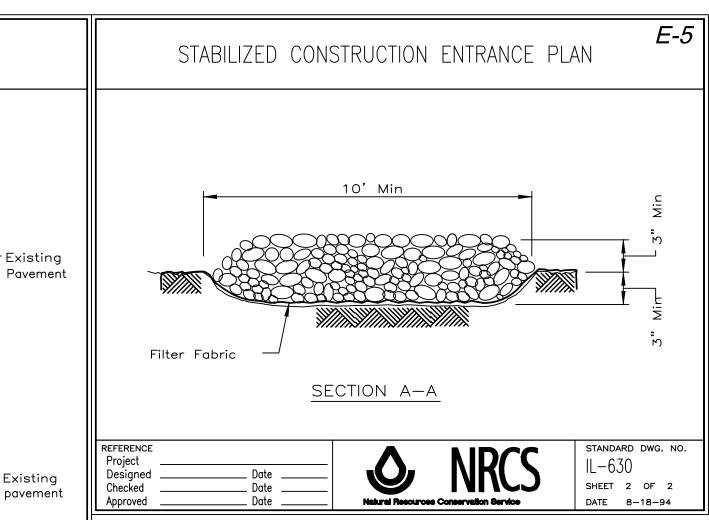
SITE DATA TABLE

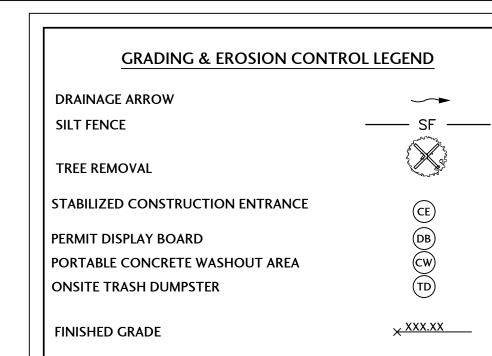
0.29 ACRES PROPERTY AREA: 1,920 SF IMPERVIOUS AREA: DISTURBANCE AREA: 9,408 SF

Know what's below.

Call before you dig.

GRADING & EROSION CONTROL PLAN







STORMWATER MANAGEMENT COMMISSION

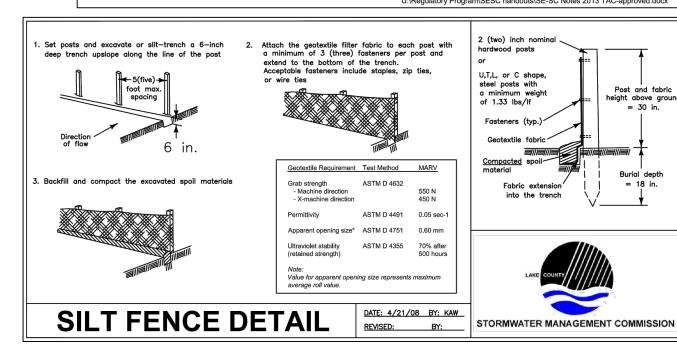
TYPICAL CONSTRUCTION SEQUENCING

- 1.) Installation of soil erosion and sediment control SE/SC measures
- a.) Selective vegetation removal for silt fence installation b.) Silt fence installation
- c.) Construction fencing around areas not to be disturbed d.) Stabilized construction entrance
- 2.) Tree removal where necessary (clear & grub)
- 3.) Construct sediment trapping devices (sediment traps, basins...)
- 4.) Construct detention facilities and outlet control structure with restrictor & temporary perforated riser
- 5.) Strip topsoil, stockpile topsoil and grade site
- 6.) Temporarily stabilize topsoil stockpiles (seed and silt fence around toe of slope)
- 7.) Install storm sewer, sanitary sewer, water and associated inlet & outlet protection
- 8.) Permanently stabilize detention basins with seed and erosion control blanket
- 9.) Temporarily stabilize all areas including lots that have reached temporary grade
- 10.) Install roadways
- 11.) Permanently stabilize all outlot areas
- 12.) Install structures and grade individual lots
- 13.) Permanently stabilize lots
- 14.) Remove all temporary SE/SC measures after the site is stabilized with vegetation
- * Soil erosion and sediment control maintenance must occur every two weeks and after every ½ or greater rainfall event

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LAKE COUNTY STORMWATER MANAGEMENT COMMISSION SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. • AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- . SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER. SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURESAS APPROVED BY THE ENFORCEMENT OFFICER.
- APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT
- (. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT
- IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.



Meghan a. Michel

062-057170

LICENSED

PROFESSIONAL

ENGINEER OF

I HEREBY CERTIFY THAT THE PLANS WITH THE FIRM'S NAME LISTED BELOW WERE PREPARED UNDER MY DIRECT SUPERVISION. FURTHERMORE, THE PROPOSED PROJECT WILL NOT RESULT IN DRAINAGE, EROSION OR RUNOFF WHICH ADVERSELY IMPACTS ADJACENT PROPERTIES OR THE PUBLIC RIGHT-OF-WAY.

DATED AT RINGWOOD, ILLINOIS THIS 17th DAY OF MARCH, 2025

MEGHAN A. MICHEL, P. E., J. CONDON & ASSOCIATES, INC. ILLINOIS REG. PROF. ENGINEER No. 062-057170 EXPIRATION DATE 11-30-2025 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION FIRM NUMBER: 184-006759

Condon & Associates, In CONSULTING ENGINEERS 5415 BUSINESS PARKWAY RINGWOOD, ILLINOIS 60072

> HABITAT FOR **HUMANITY OF** McHENRY COUNTY

815.728.0068 IL DESIGN FIRM # 184-006759

McHENRY, ILLINOIS



SCALE 1"=20' **ISSUE DATE**

3/17/25 PROJECT MANAGER MAM

DESIGNER

QUALITY CONTROL JEC

LOTS 80 & 81, **34681 NOKOMIS TRAIL**

> McHENRY, ILLINOIS

DESCRIPTION				
DATE				
NO.				

HABI-24013-3 SHEET TITLE

SITE ENGINEERING

PLANS

SHEET NUMBER

C1.0