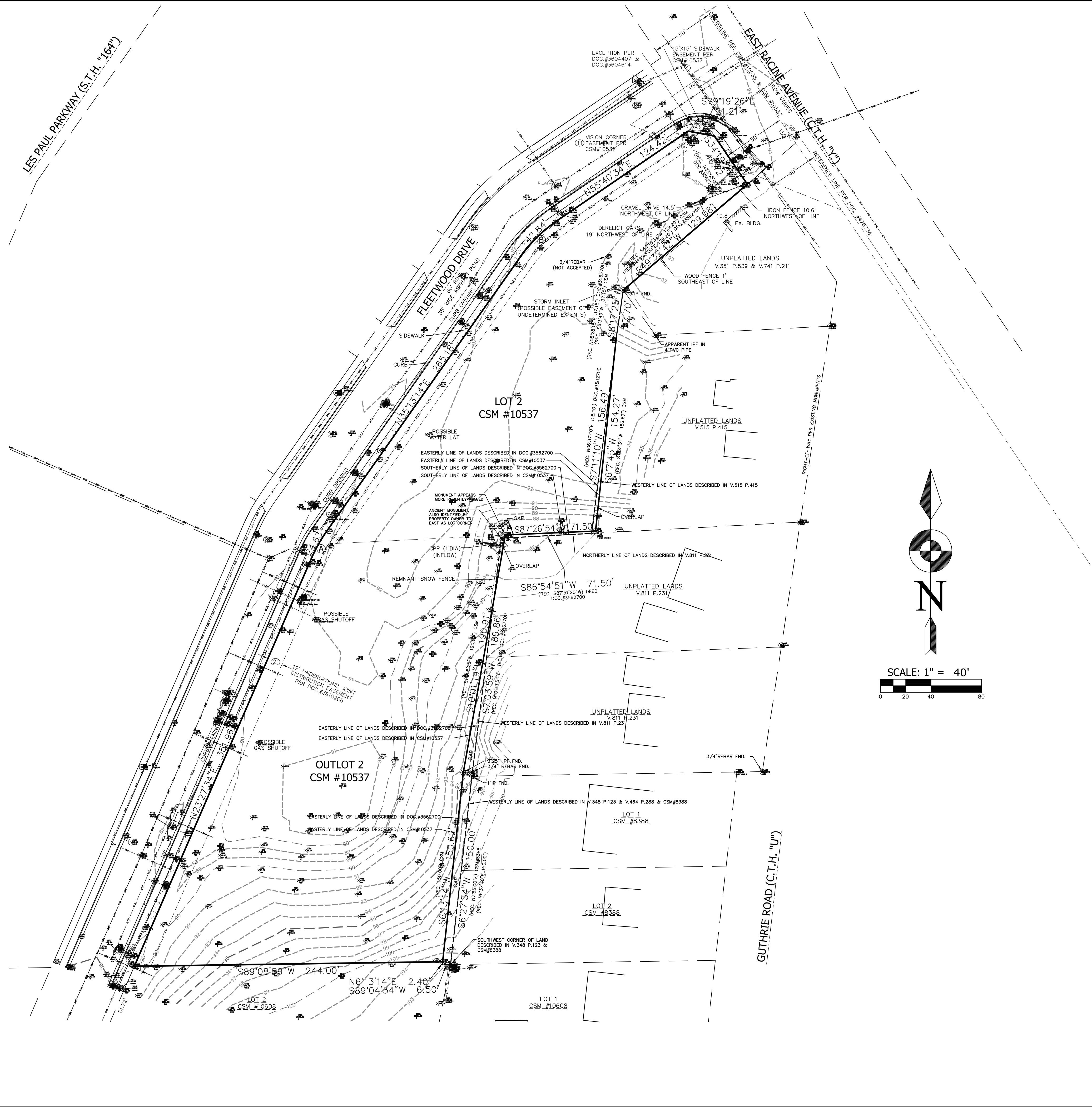


LEGEND

- - 1" IRON PIPE FOUND
- - 2" IRON PIPE FOUND
- (NXXXXXX"E)
(XXXXXX"E) - RECORDED AS
- ⊙ - STORM INLET
- ⊠ - UTILITY BOX
- ▭ - CONCRETE
- ⊕ - EXISTING SPOT GRADE
- - - - EXISTING CONTOUR
- - - - WATER
- - - - SANITARY SEWER
- - - - STORM SEWER
- - - - TELECOMMUNICATIONS
- - - - GAS
- - - - ELECTRIC
- - - - OVERHEAD UTILITIES
- ⊕ - WATER VALVE
- ⊕ - HYDRANT
- ⊕ - GAS SHUTOFF VALVE
- - - - EROSION CONTROL BARRIER
- Ⓢ - ANNOTATION



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ENGINEERING SCIENCES, INC.

119 COOLIDGE AVE., SUITE 100, WAUKESHA, WI 53186
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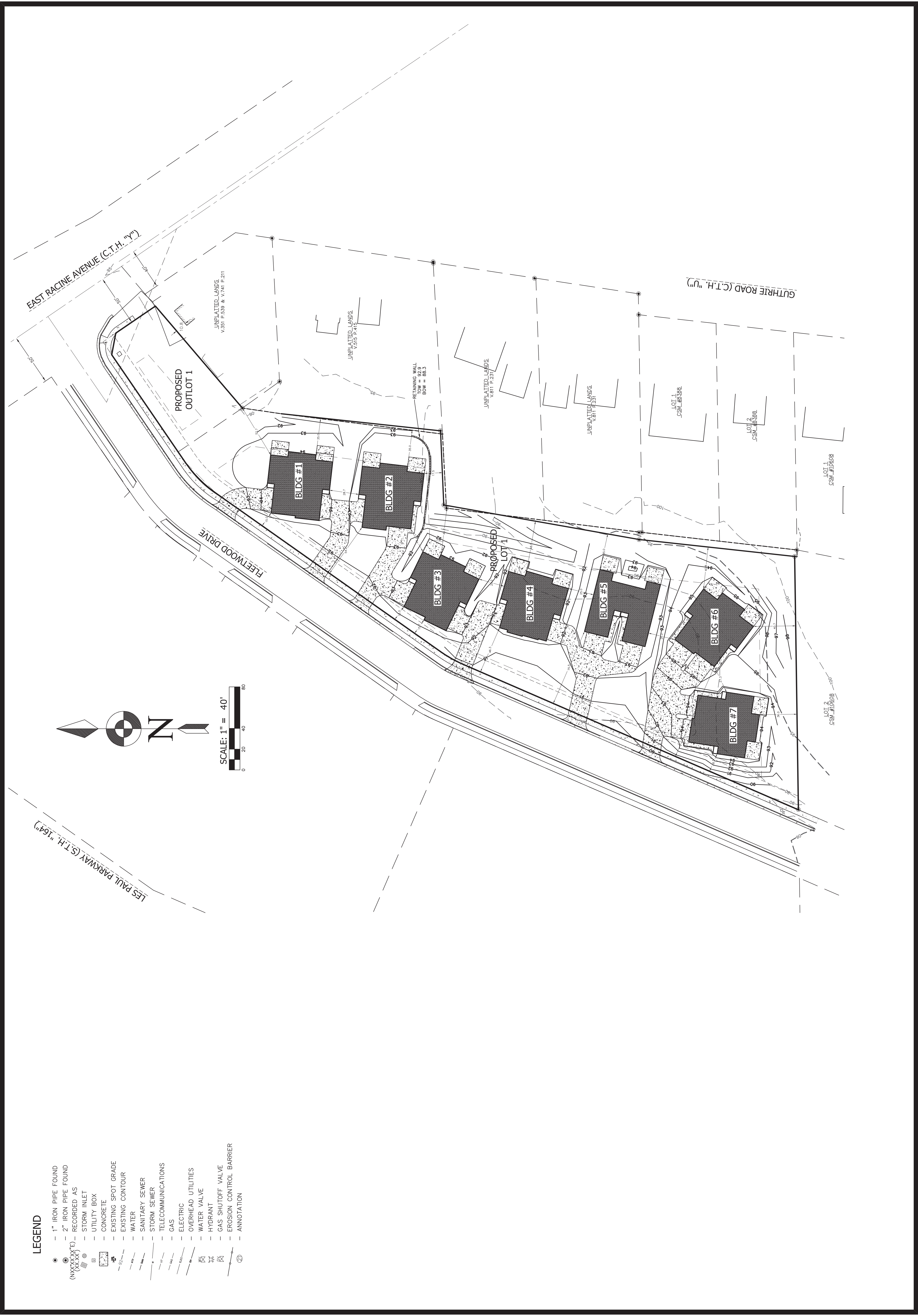
MAD DOG PROPERTIES, LLC
 900 & 1000 BLOCK OF FLEETFOOT DRIVE
 WAUKESHA, WI 53186

BASE MAP

PROJECT #	2404.05
DATE	19 FEB 2017
DRAWN BY	MA
DESIGNED BY	MA
REVISIONS	
SHEET NUMBER	

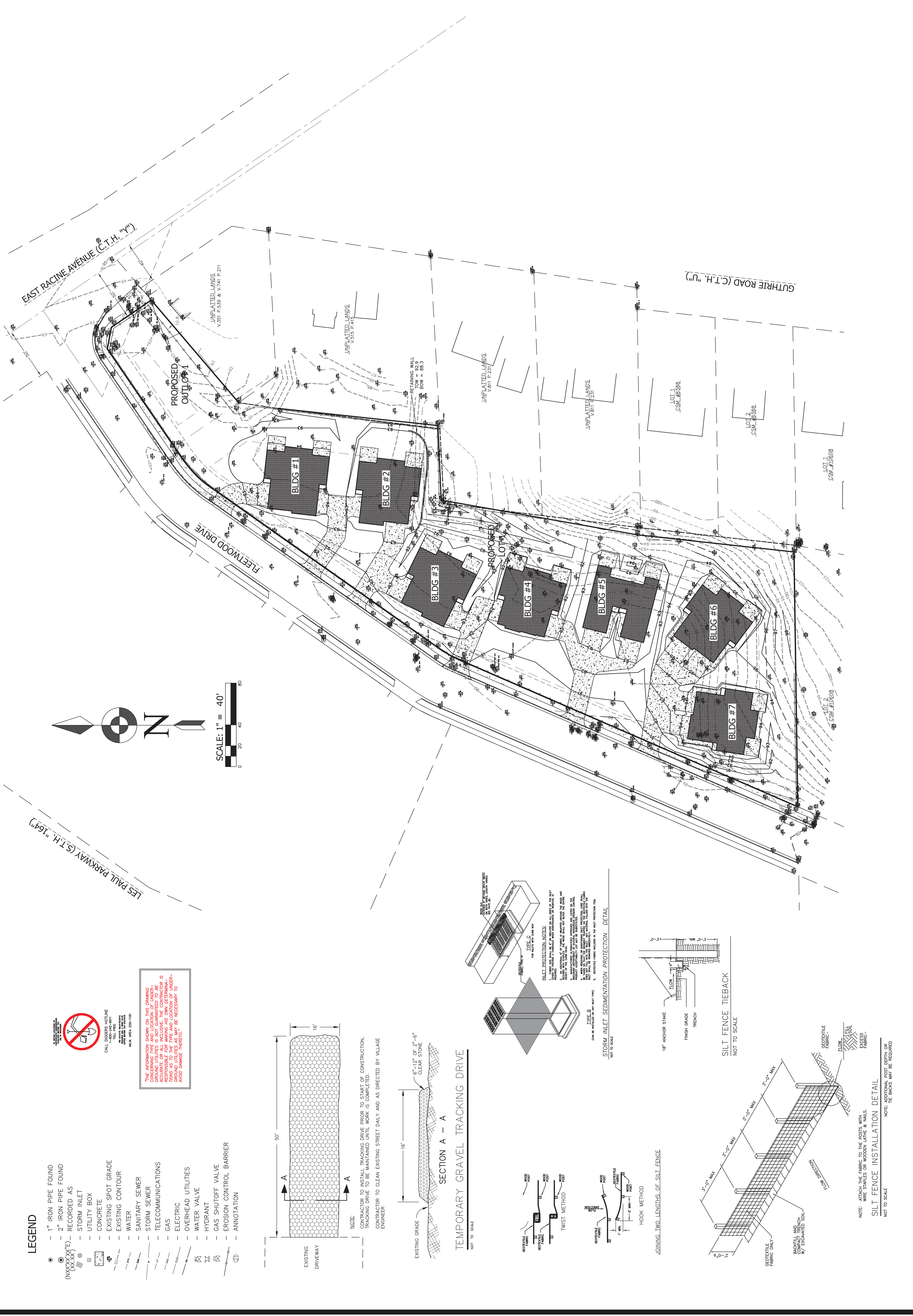
C-1

PROJECT #	2404.05
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DRAWN BY	MA
DESIGNED BY	MA
REVISIONS	
SHEET NUMBER	



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PROJECT #	2404.05
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DRAWN BY	MA
DESIGNED BY	MA
REVISIONS	
SHEET NUMBER	C-3

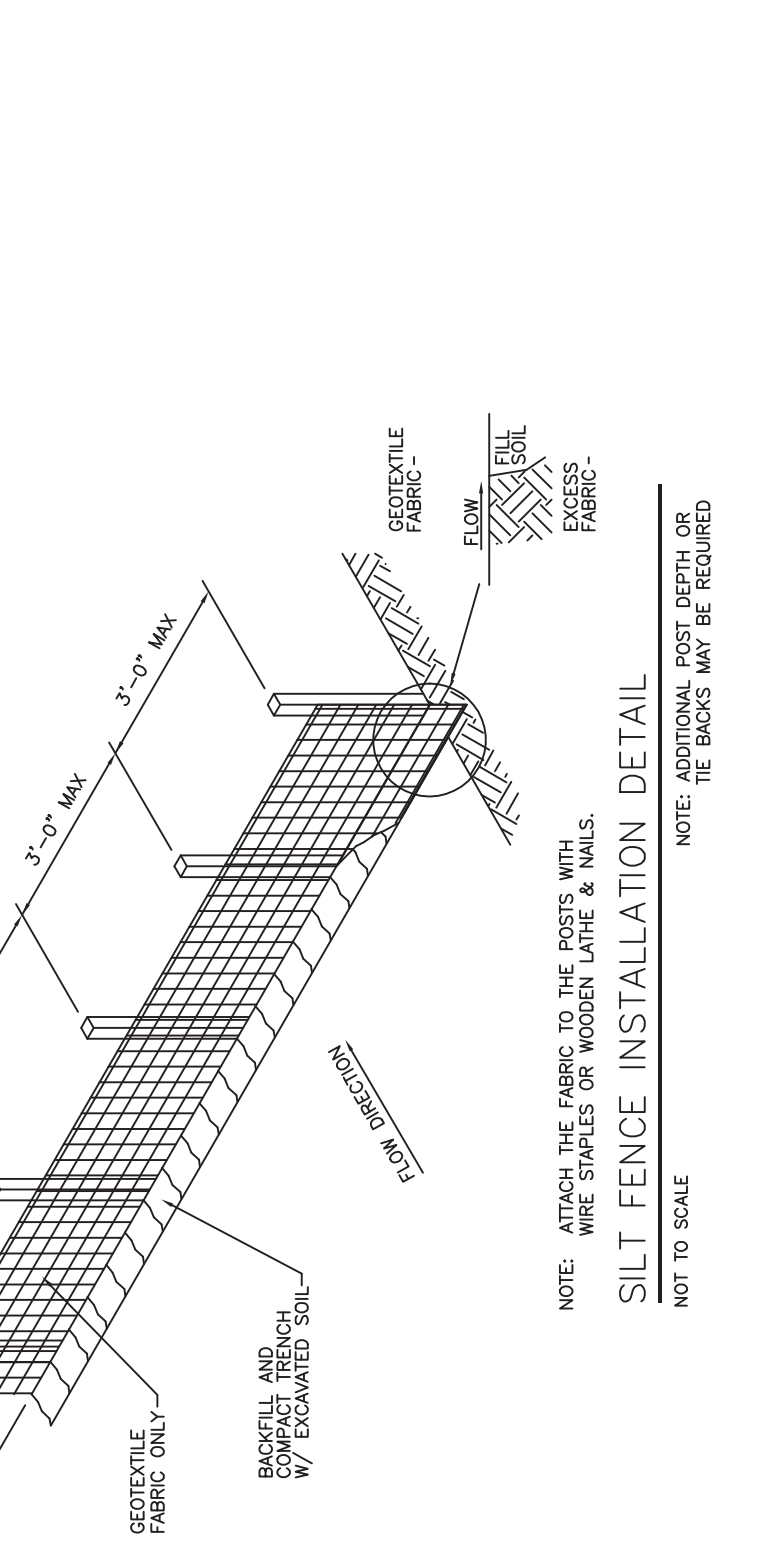
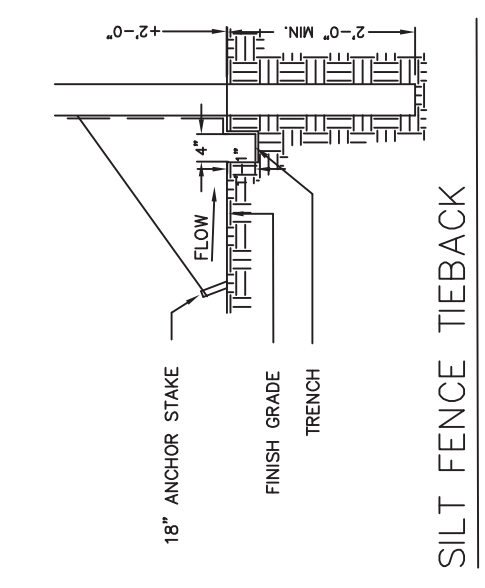
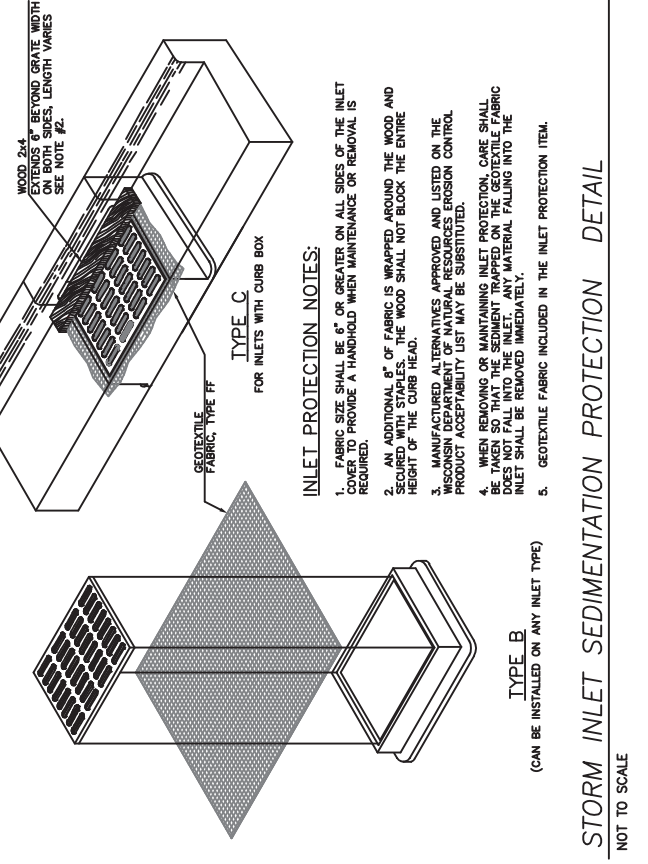
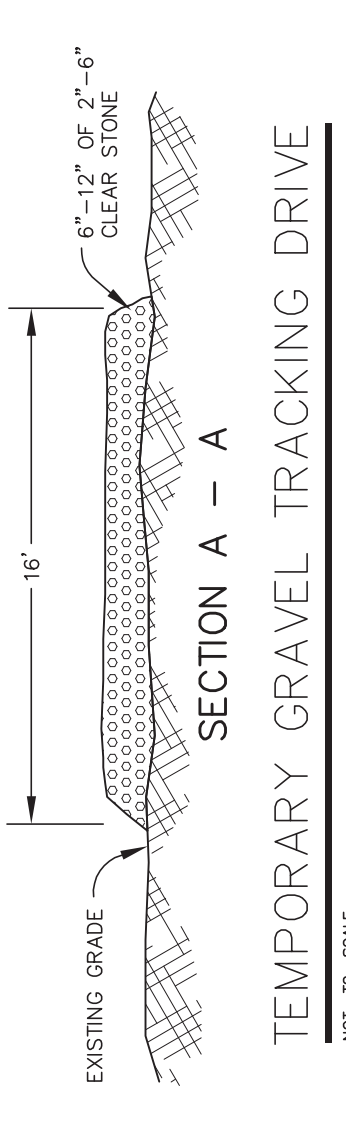
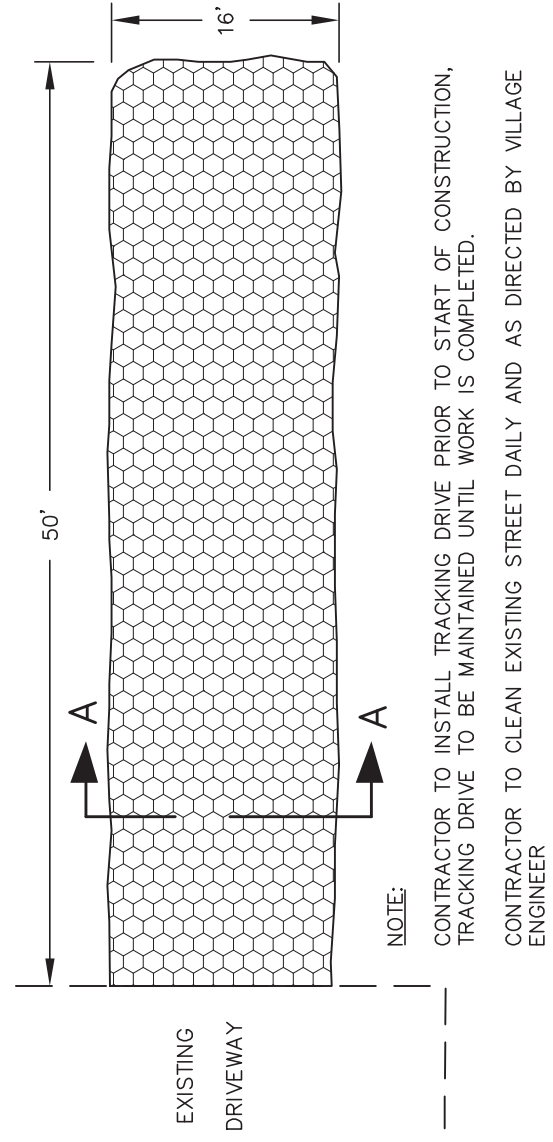
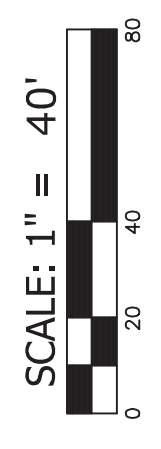


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THE INFORMATION SHOWN ON THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION. THE CONTRACTOR IS NOT GUARANTEED TO BE ACCURATE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES. IT IS NECESSARY TO AVOID DAMAGE THEREOF.



NOTE: ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATHES & NAILS.
SILT FENCE INSTALLATION DETAIL
NOTE: ADDITIONAL POST DEPTH OR THE BACKS MAY BE REQUIRED.

GENERAL GRADING NOTES:

- CUT AND FILL SLOPES WILL BE 3:1 MAXIMUM, UNLESS OTHERWISE NOTED.
- STABILIZE ALL DISTURBED AREAS W/POLYACAMIDE COMING FOR WINTER STABILIZATION AFTER OCTOBER 15TH. DEADLINES FOR SEEDING ARE:
SEPTEMBER 15 -COOL GRASS SEEDING.
OCTOBER 15 -TEMPORARY SEEDING.
NOVEMBER 15 -DORMANT SEEDING.
- TEMPORARY SEEDING TO CONFORM WITH SECTION 630.2.1.5.1.2 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION. (ANNUAL OATS -BEFORE AUGUST 31ST, WINTER RYE AFTER AUGUST 31ST.)
- ANY NON-STRUCTURAL FILL MATERIAL REQUIRED WILL BE FURNISHED VIA ON SITE EXCAVATION ACTIVITIES, EXCEPT FOR WHERE CLEAN STONE BACKFILL IS SPECIFIED. CLEAN STONE AND OTHER STRUCTURAL MATERIAL SHALL BE IMPORTED TO THE SITE, AS NECESSARY.
- TOPSOIL SHALL NOT RE USED AS FILL MATERIAL IN THE NON-STRUCTURAL AREAS UNTIL ALL SOURCES OF STRUCTURAL CUT AND EXCAVATION SPOILS HAVE BEEN EXHAUSTED.
- TYPICAL RESTORATION SHALL BE 6" TOPSOIL (REASONABLY FREE OF STONES, STICKS, ROOTS, AND OTHER OBJECTIONABLE MATTER AND DEBRIS). ONCE TOPSOIL HAS BEEN SPREAD, THE AREA SHALL BE SEEDED WITH SEED MIXTURE NO. 10, IN ACCORDANCE WITH SECTION 630 OF THE "STATE SPECIFICATIONS". THE CONTRACTOR SHALL APPLY A FERTILIZER (20-0-0) OVER THE SEEDED AREA AT A RATE OF 10 LBS PER 1000 SQUARE FEET. THIS AREA SHALL BE MAINTAINED BY THE CONTRACTOR. STRAW MULCH SHALL RE PLACED WITH METHOD "B OR C" AS DESCRIBED IN SECTION 627 OF THE STATE SPECIFICATIONS, EXCEPT THAT MULCH SHALL BE PLACED WITHIN ONE (1) DAY AFTER THE SEEDING HAS BEEN COMPLETED. MULCH SHALL BE ANCHORED OR CRIMPED IMMEDIATELY AFTER APPLICATION. EROSION MATTING SHALL BE PLACED AS SPECIFIED ON THE GRADING AND EROSION CONTROL PLANS.
- IN THE EVENT EXCAVATION DE-WATERING IS REQUIRED DURING CONSTRUCTION, CONTRACTOR TO PROVIDE A TEMPORARY SETTLING BASIN, FILTER BAG OR ALTERNATE PROCESS APPROVED BY THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES FOR SEDIMENT REMOVAL.

CONSTRUCTION SCHEDULE:

- PRE-CONSTRUCTION ACTIVITIES
**A. INSTALL ALL EROSION CONTROL SILT FENCE. SILT FENCE FOR DIVERSION SWALES, IF NEEDED, AND STOCKPILES TO BE INSTALLED IMMEDIATELY AFTER COMPLETION.
**B. INSTALL TEMPORARY TRACKING DRIVE.
C. DEMOLISH EXISTING STRUCTURE AND REMOVE FOUNDATION.
D. PERFORM CONSTRUCTION STAKING OF DRAINAGE WAYS, DRAINAGE SYSTEM CONVEYANCE PIPING, AND BUILDING LOCATIONS.
E. CONTACT ALL APPROPRIATE AGENCIES, AUTHORITIES, AND THE PROJECT ENGINEER A MINIMUM OF THREE WORKING DAYS. (72 HOURS) PRIOR TO THE START OF CONSTRUCTION.
F. CONTRACTOR MUST CONTACT DIGGERS HOTLINE A MINIMUM OF THREE WORKING DAYS (72 HOURS) PRIOR TO START OF CONSTRUCTION.
 - BEGIN CONSTRUCTION ACTIVITIES:
A. SELECTIVELY CLEAR AND GRUB TREES PER GRADING PLAN.
**B. STRIP TOPSOIL AND STOCKPILE FOR RE-USE ON SITE.
* C. STRIP/REMOVE UNSUITABLE LOAD-BEARING SURFACE MATERIAL FROM A MINIMUM OF 5' BEYOND ALL PROPOSED BUILDING AND PAVEMENT AREAS. UNSUITABLE LOAD-BEARING SURFACE MATERIALS INCLUDED SUCH AS: VEGETATION, ROOT-BALLS OF TREES AND SHRUBS, NON-ENGINEERED FILL, EXISTING/DEMOLISHED BUILDINGS AND PAVEMENT, DELETERIOUS DEBRIS, ETC.
* D. COMPLETE ROUGH GRADING
* E. EXCAVATE BUILDING BASEMENT AND FOUNDATION AREA. STOCKPILE EXCAVATED SOIL MATERIAL ON-SITE FOR LATER USE AS NON-STRUCTURAL FILL MATERIAL.
**F. INSTALL SILT FENCE OR OTHER PERIMETER BMP AROUND STOCKPILES WITHIN 7 DAYS OF LAY-UP.
**G. SEED OR COVER STOCKPILES WITHIN 30 DAYS OF LAY-UP.
**H. ALL DISTURBED AREAS THAT REMAIN INACTIVE FOR LONGER THEN 7 DAYS SHALL BE STABILIZED ACCORDINGLY.
* I. FORM AND POUR FOUNDATION FOOTINGS AND COLUMN PADS.
* J. INSTALL FLOOR SLAB, DRAINAGE TILE, AND SUMP CROCK. CONNECT TO 'FORM-A-DRAIN' FOOTING DRAINS PER THE DETAIL SHEETS.
* K. INSTALL NO. 1 CLEAN STONE A MINIMUM OF 6" THICK IN FLOOR SLAB AREAS.
* L. BACKFILL FOUNDATION WITH NO.1 CLEAN STONE TO WITHIN 18" OF FINAL GRADE. COVER WITH 12" CLAY LOAM, THEN USE TOPSOIL TO BRING TO FINAL GRADE.
 - PROJECT WRAP-UP:
**A. AFTER VEGETATIVE COVER IS WELL ESTABLISHED, REMOVE ALL SILT FENCE AND OTHER TEMPORARY BMPS.
* B. RESTORE DISTURBED AREAS. REFER TO THE GRADING PLAN AND SPECIFICATIONS FOR SITE RESTORATIONS DETAILS.
* C. PROJECT ENGINEER WILL PREPARE AND SUBMIT VERIFICATIONS FOR DRAINAGE SYSTEM STRUCTURES.
- NOTE: CONTRACTOR MUST PROVIDE 3 WORKING DAYS (72 HOURS) NOTICE PRIOR TO ANY INSPECTIONS REQUIRED DURING OR AFTER CONSTRUCTION.
* ACTIVITY MUST BE INSPECTED BY PROJECT ENGINEER.
**ACTIVITY MUST BE INSPECTED BY EROSION CONTROL INSPECTOR.

STANDARD SPECIFICATIONS:

- PERFORM ALL WORK IN ACCORDANCE WITH THE PROVISIONS SPECIFIED IN THESE DETAILS. ALL CONTRACTORS SHALL OBTAIN A COPY OF THESE DETAILS PRIOR TO THE START OF CONSTRUCTION.
- THE LOCATION OF STRUCTURES AND OBSTACLES SHALL NOT BE TAKEN AS CONCLUSIVE. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR SHALL BE ASSUMED AS A CONDITION OF HIS BID; THEREFORE, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL DAMAGES RESULTING FROM HIS ACTIVITIES.
 - ALL PROPOSED GRADES SHOWN ON THE GRADING PLAN ARE FINISHED GRADES.
 - THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BARRICADING AREAS OF CONSTRUCTION TO PROTECT AGAINST PERSONAL INJURY AS WELL AS WARN TRAFFIC OF THE CONSTRUCTION SITE. WARNING SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 - CONTRACTOR SHALL PROVIDE 72 HOURS (3 WORKDAYS) NOTICE TO ENGINEER OF RECORD OF THE ANTICIPATED NEED FOR INSPECTION SERVICES. NO WORK SHALL BE UNDERTAKEN WITHOUT AN INSPECTOR BEING ON SITE OR WITHOUT THE PERMISSION OF THE OWNER.
 - THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES PRIOR TO CONSTRUCTION. EROSION CONTROL DEVICES SHALL BE REMOVED FROM THE SITE AFTER THE SITE HAS BEEN RE-VEGETATED AND EROSION CONTROL IS NO LONGER NECESSARY.
 - THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING TRENCH SUPPORT IN ACCORDANCE WITH ALL APPLICABLE STATE AND FEDERAL REGULATIONS. THE ENGINEER, OWNER, AND INSPECTOR SHALL BE HELD HARMLESS IN ALL MATTERS REGARDING SHORING AND BRACING.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE ROAD ADJACENT TO THE CONSTRUCTION SITE CLEAN AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL.
 - WHERE CONNECTING TO EXISTING UTILITY SERVICES, THE CONTRACTOR SHALL EXCAVATE THE CONNECTION POINT SO THAT ELEVATIONS OF THE EXISTING SERVICES CAN RE VERIFIED AND ANY NECESSARY ADJUSTMENTS TO THE DESIGN BE MADE.

EROSION CONTROL:

- CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE "WISCONSIN STORMWATER CONSTRUCTION AND POST - CONSTRUCTION TECHNICAL STANDARDS".
- SEDIMENT CONTROL MEASURES MAY NEED TO RE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.
- PROVIDE PERIODIC INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL STRUCTURES TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. SEDIMENT CONTROL MEASURES ARE TO BE IN WORKING CONDITION AT THE END OF EACH DAY.
- ALL EROSION CONTROL PRACTICES MUST BE CHECKED FOR STABILITY AND OPERATION WEEKLY AND WITHIN 24 HOURS OF EVERY RAINFALL (1/2" OR MORE), AND AT LEAST ONCE PER WEEK. CORRECT ANY DAMAGED STRUCTURES IMMEDIATELY.
- DO NOT REMOVE ANY SEDIMENT CONTROL MEASURES UNTIL THE AREAS SERVED HAVE 70% OR MORE ESTABLISHED CONTINUOUS VEGETATIVE COVER.
- ALL TRACKED SOIL ON ADJACENT STREETS FROM THIS PROJECT MUST BE CLEANED AT LEAST ON A DAILY BASIS. CONTRACTORS ARE REQUIRED TO ONLY USE THE TRACKING DRIVE FOR ACCESS TO THE SITE.
- DISCHARGE ALL TRENCH WATER, IF ENCOUNTERED, INTO A TEMPORARY SETTLING BASIN, SEDIMENT FILTER BAG OR ALTERNATIVE PROCESS APPROVED BY WDNR PRIOR TO RELEASE INTO SWALE.
- PREVENT OVERLAND FLOW FROM LEAVING ANY PORTION OF THE WORK SITE BY INSTALLING SILT FENCE PARALLEL TO THE SLOPE DOWNHILL FROM THE WORK AREA OR AS SHOWN ON THE PLAN SET. PROTECT SILT FENCE OR STRAW BALES WITH A SMALL EARTHEN BERM WHERE FEASIBLE.
- SEDMIMENT CONTROL FOR UTILITY CONSTRUCTION:
A. PLACE EXCAVATED TRENCH MATERIAL ON HIGH SIDE OF THE TRENCH.
B. BACKFILL COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE INSTALLATION.

GENERAL SILT FENCE NOTES:

- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POST SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.
- CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY, USE ONE OF THE FOLLOWING METHODS:
A) TWIST METHOD: OVERLAP THE END POST AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, OR
B) HOOK METHOD: HOOK THE END OF EACH SILT FENCE LENGTH.
- THE EROSION CONTROL METHODS AND SCHEDULES MUST BE STRICTLY FOLLOWED AT ALL TIMES. NO DEVIATION IS TO BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE DESIGN ENGINEER, MUNICIPALITY OR WDNR.

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