

ROSE ARBOR NO. 3 DRAIN RETENTION BASIN MAINTENANCE

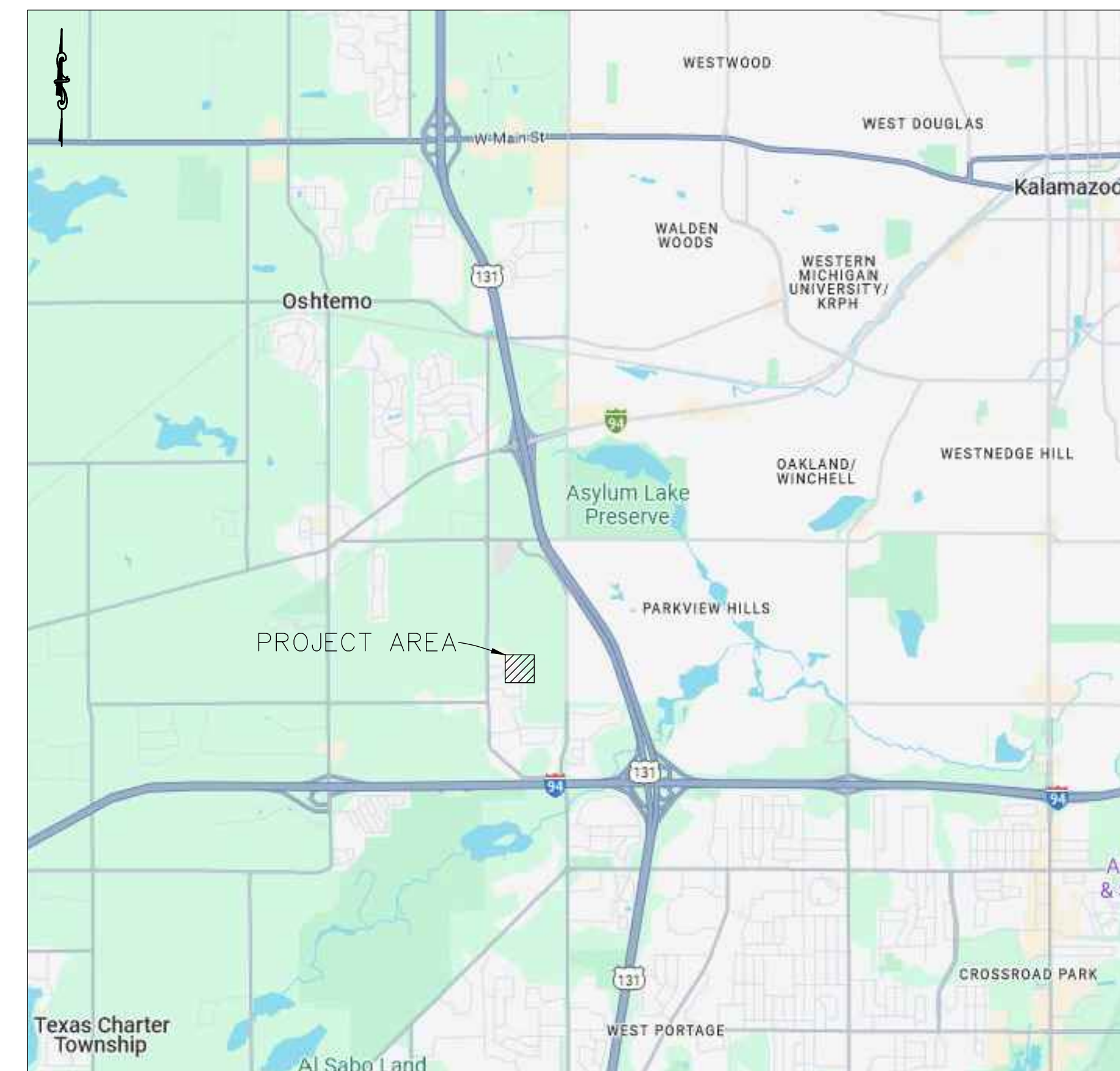
KALAMAZOO COUNTY, SW ¼ OF THE SE ¼ OF SECTION 36 OF OSHTEMO TWP (T2S, R12W)



CLIENT:

ROSE ARBOR NO. 3 DRAIN DRAINAGE DISTRICT
C/O JASON WIERSMA
KALAMAZOO COUNTY DRAIN COMMISSIONER
201 W KALAMAZOO AVE.
KALAMAZOO, MI 49007

LOCATION MAP
NOT TO SCALE



The location of existing utilities, both underground and overhead are approximate only and have not independently been verified by the owner or its representative. The contractor shall be responsible for determining the exact location of all existing utilities whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities.

Call Miss Dig

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269•962•5127
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"Professional Engineering Since 1993"

JOB NO. 240701



DATE: 8/7/2025
REV:

SHEET 1 OF 4

Aug 14, 2025 8:51am P:_2024\240701_Rose Arbor Drainage Consultation\O & M\Drawings\Rose Arbor Plan.dwg



ADDITIONAL SPECIFICATIONS NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND ABIDING BY ANY NECESSARY PERMITS UNLESS OTHERWISE STATED.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SITE SAFETY.
3. THE CONTRACTOR SHALL MAINTAIN INSURANCES FOR THE DURATION OF THE PROJECTS THAT ARE TYPICAL TO THE INDUSTRY FOR THIS TYPE OF CONSTRUCTION.
4. CLEARING: THE CONTRACTOR MUST REMOVE ALL ORGANIC MATERIAL & NONORGANIC DEBRIS NECESSARY TO PERFORM THE WORK INDICATED IN THESE PLANS. DISPOSAL OF MATERIAL & DEBRIS IS THE CONTRACTOR'S RESPONSIBILITY. ON-SITE BURNING WILL ONLY BE ALLOWED WITH THE OWNER'S PERMISSION & WITH NECESSARY BURNING PERMITS. BURIAL OF MATERIAL & DEBRIS WILL NOT BE PERMITTED.
5. STRIP & STOCKPILE TOPSOIL: THE CONTRACTOR SHALL REMOVE ALL TOPSOIL & STOCKPILE THE UNCONTAMINATED (FREE OF ROCKS, STICKS, & NONORGANIC SOIL UNDER THE TOPSOIL) TOPSOIL FOR REUSE IN AREAS ACCEPTABLE TO THE OWNER.
6. RELOCATE EXISTING BURIED UTILITY LINES THAT CONFLICT WITH NEW SEWER. COORDINATE WITH SERVICE PROVIDER.
7. COMPACTION: THE CONTRACTOR MUST COMPACT ALL FILL MATERIAL. COMPACTION MUST BE TO 95% MAXIMUM DENSITY. ONE FOOT LIFTS ARE RECOMMENDED, & MUST BE PRACTICED UNDER ROADS.
8. FILL MATERIAL MUST AT A MINIMUM MEET THE REQUIREMENTS OF MDOT 2020 STANDARD SPECIFICATIONS FOR CLASS III GRANULAR MATERIALS. FOR PIPE TRENCH SEE THE DETAILS ON THIS SHEET.
9. PROOF ROLLING: THE CONTRACTOR MUST PERFORM PROOF ROLLING PRIOR TO PLACEMENT OF THE AGGREGATE BASE. THIS MUST BE DONE USING APPROVED EQUIPMENT, & WILL NOT BE ACCEPTED UNLESS IT IS DONE IN THE PRESENCE OF A REPRESENTATIVE OF CIVIL ENGINEERS, INC.
10. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING FULLY VEGETATED COVER THAT STABILIZES EROSION. A MINIMUM OF 3" OF TOPSOIL, FERTILIZER, LAWN SEED & MULCH MUST BE PLACED. EROSION CONTROL BLANKETS SHOULD BE USED ON SLOPES THAT MAY CONTINUALLY WASHOUT SO THAT THE CONTRACTOR CAN MINIMIZE RETURN TRIPS TO FIX THESE WASHOUTS. TOPSOIL IN THE BOTTOM OF THE STORMWATER RETENTION BASIN SHALL BE 2-3" THICK AND CONSIST OF 20%± ORGANIC MATERIAL (COMPOST), 40%± SAND, AND 40%± REGULAR TOPSOIL. LOAM TOPSOIL AND/OR TOPSOIL GREATER THAN 3" THICK IS NOT ACCEPTABLE AT THE BOTTOM OF THE BASIN.
11. ANY INFORMATION OR DATA ON THIS DRAWING IS NOT INTENDED TO BE SUITABLE FOR REUSE BY ANY PERSON, FIRM, OR CORPORATION, OR ANY OTHERS ON EXTENSIONS OF THIS PROJECT OR FOR ANY USE ON ANY OTHER PROJECT. ANY REUSE WITHOUT WRITTEN VERIFICATION AND ADAPTATION BY THE ENGINEER FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO THE ENGINEER.



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JOB NO: 240701
DATE: 8/07/2025

DRAWN BY: AJS
REVIEWED BY: RAR

OWNER
ROSE ARBOR NO. 3 DRAIN
DRAINAGE DISTRICT
KALAMAZOO COUNTY
DRAIN COMMISSIONER
JASON WIERSMA



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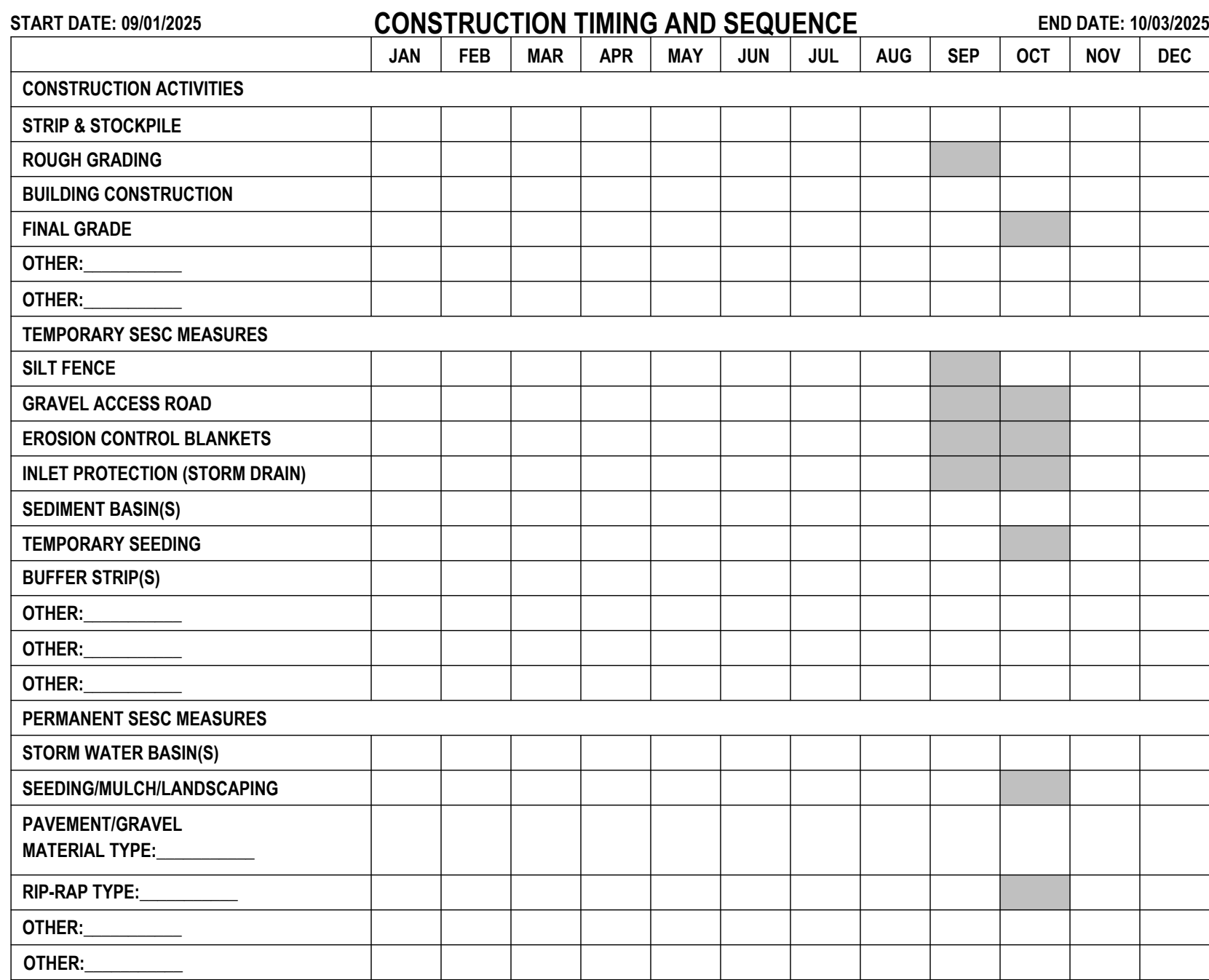
SITE PLAN

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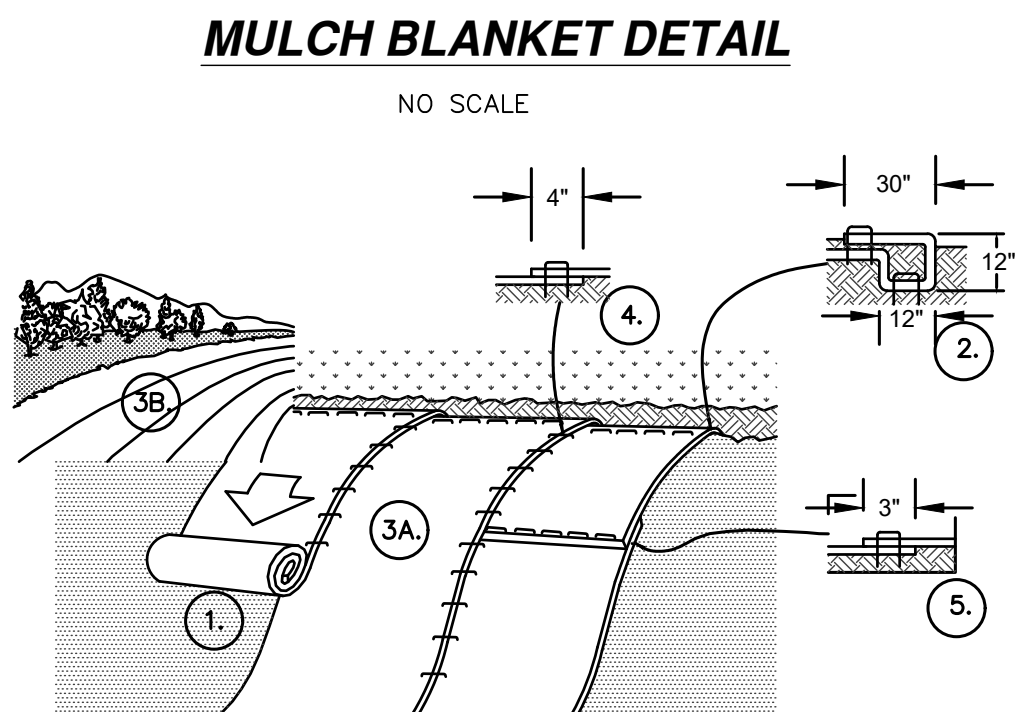


REVISIONS

Date	Comment



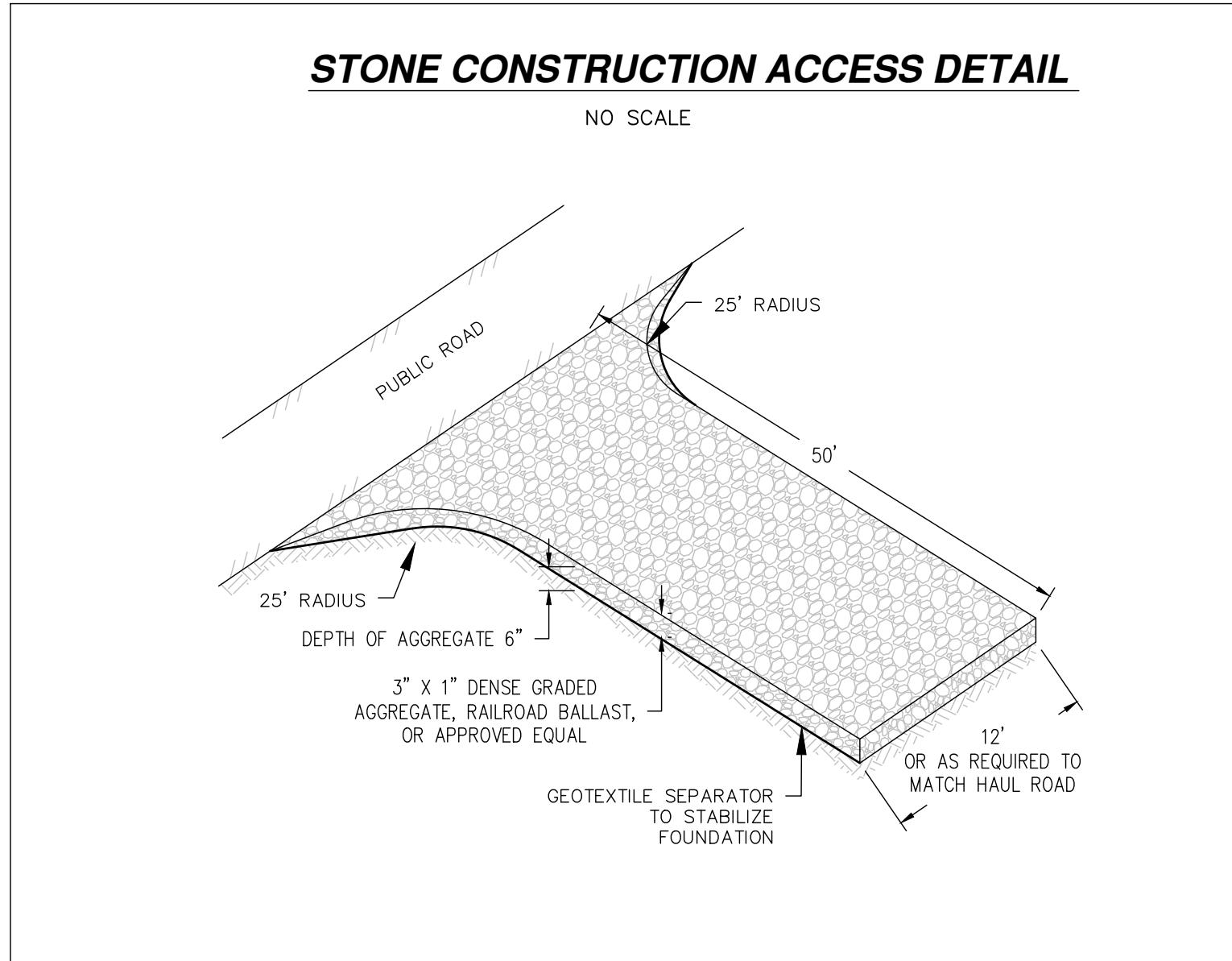
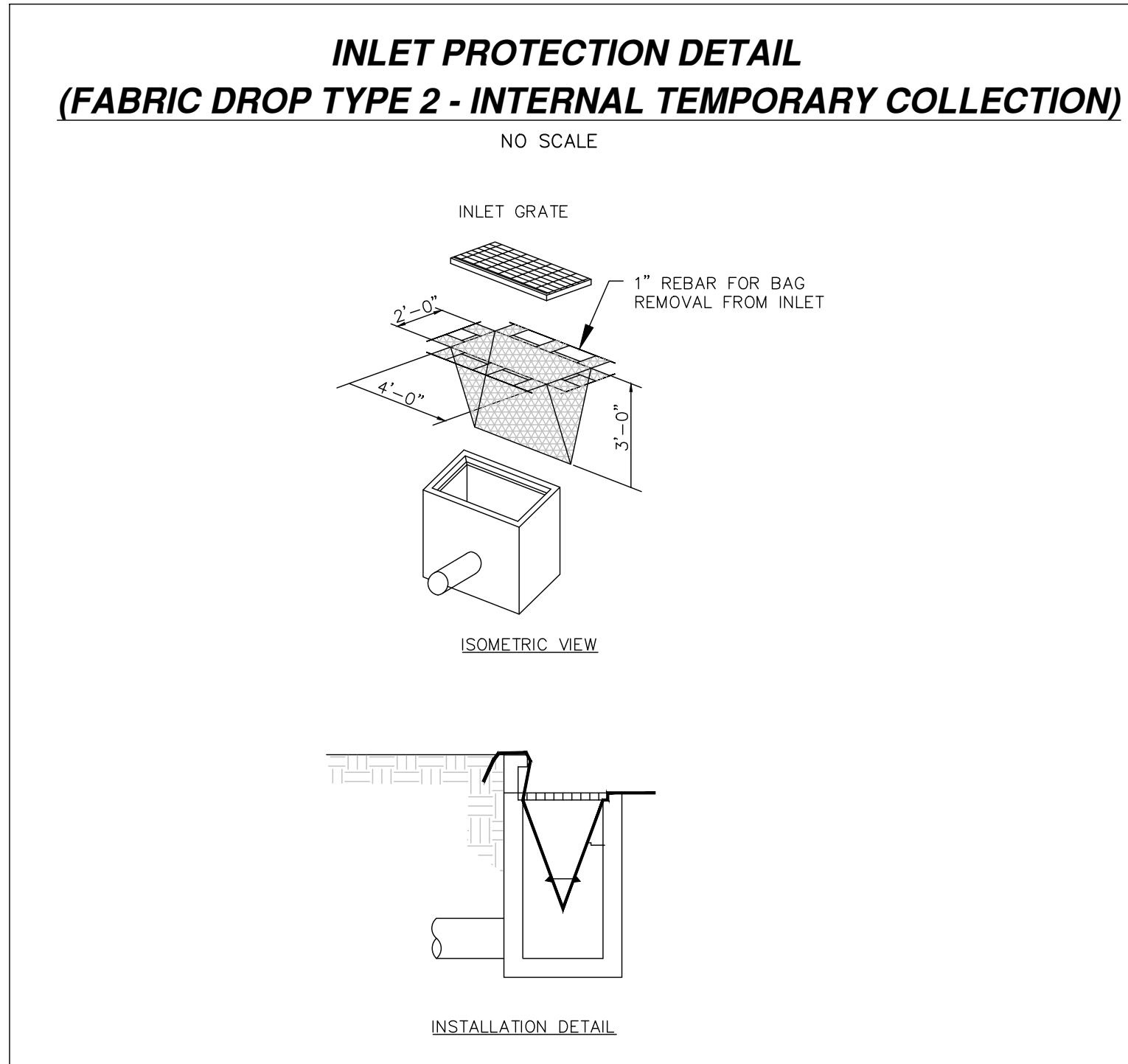
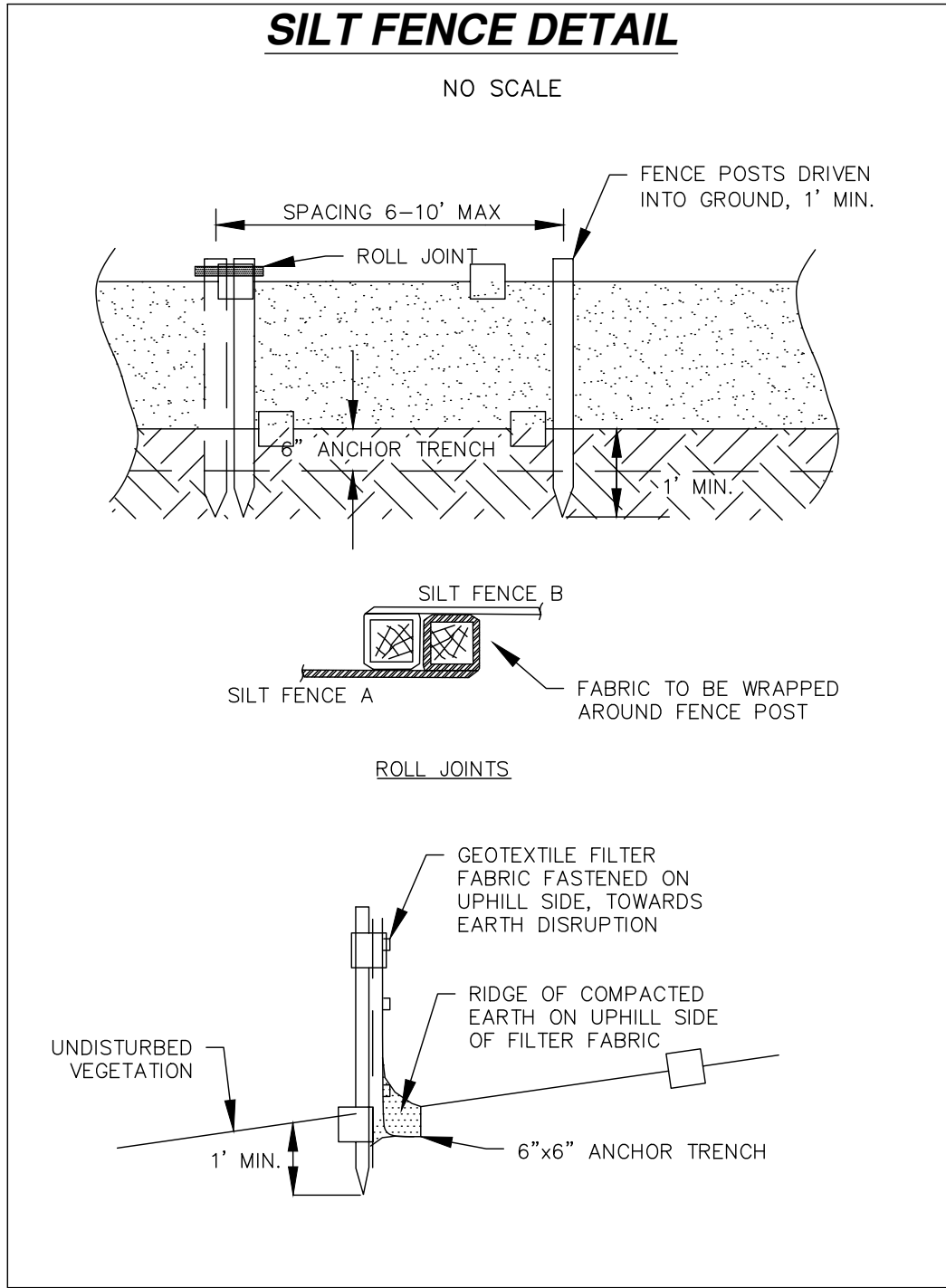
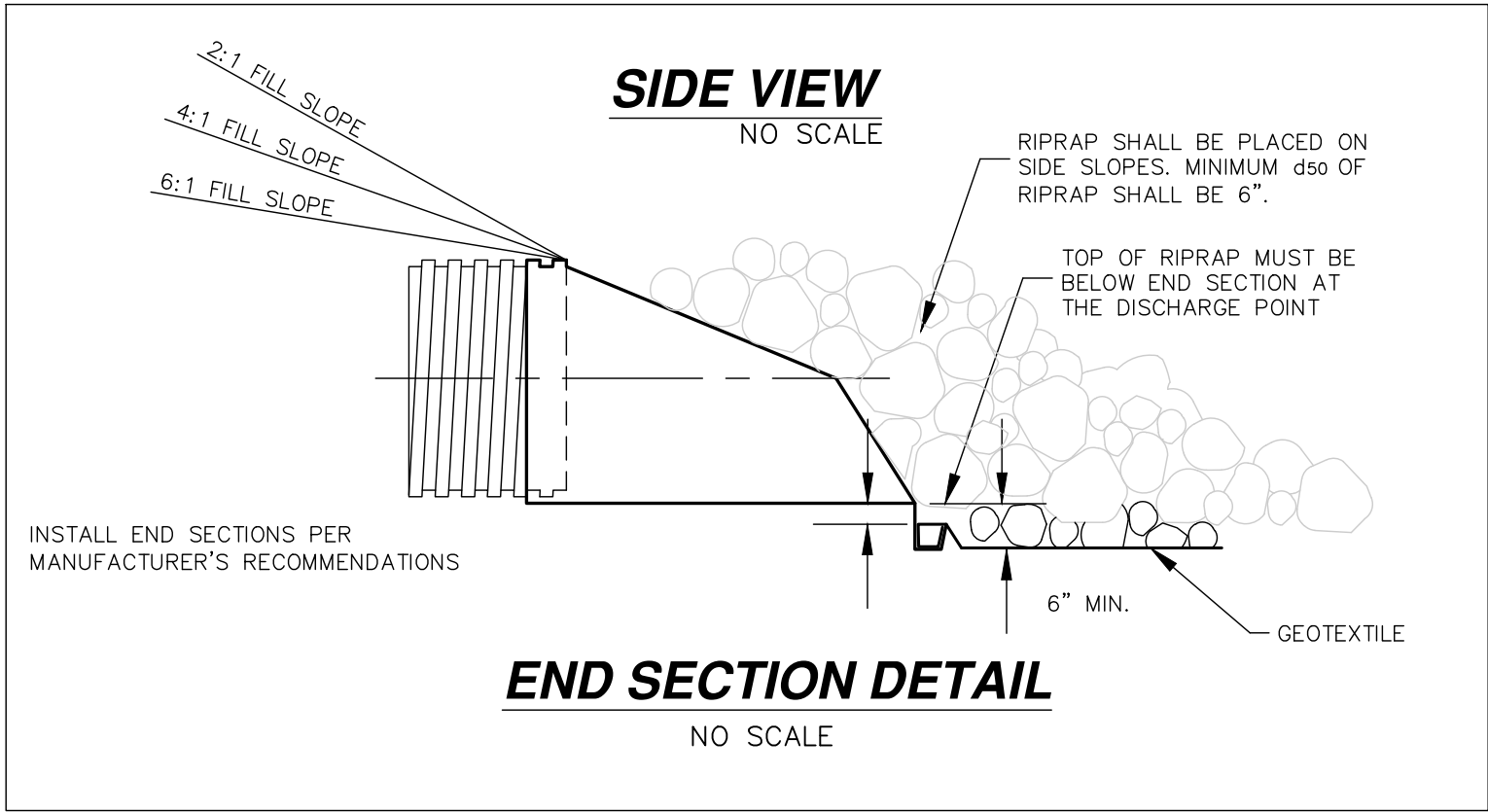
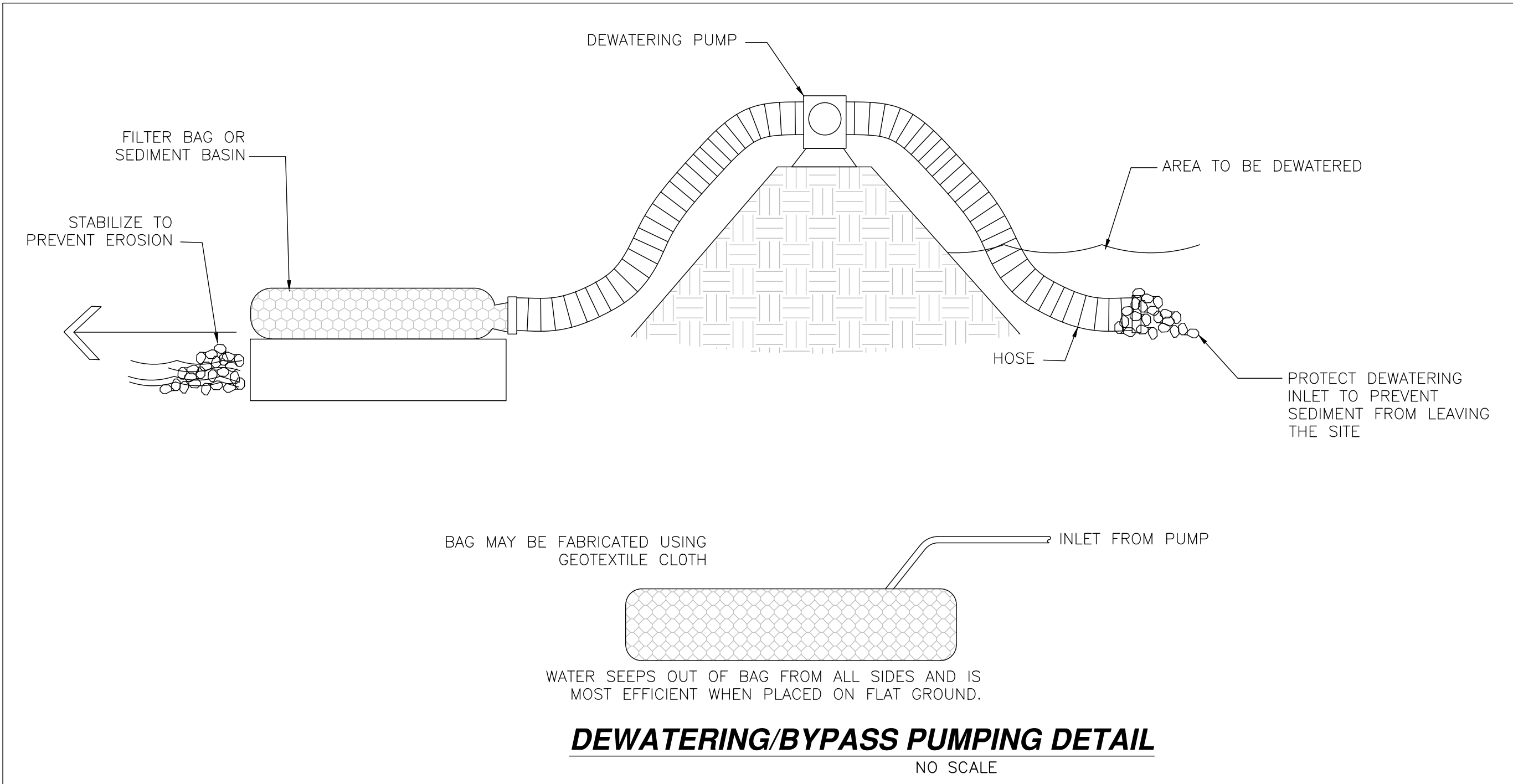
- NOTE: ALL SESC MEASURES NEED TO BE INSTALLED IN ACCORDANCE WITH THE MICHIGAN ASSOCIATION OF COUNTY DRAIN COMMISSIONERS (MACDC) SESC MANUAL



- THE INFORMATION PRESENTED HEREIN IS GENERAL INFORMATION ONLY. INSTALL ACCORDING TO MANUFACTURERS SPECIFIC INSTRUCTIONS.
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 12" DEEP X 12" WIDE TRENCH WITH APPROXIMATELY 30" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF WOODEN (ONLY) STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAKING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 30" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF WOODEN STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING WOODEN STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE MANUFACTURERS ANCHORING DETAIL.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAKED WITH APPROXIMATELY 4" OVERLAP. STAKE THROUGH OVERLAPPED AREA APPROXIMATELY 12 IN APART ACROSS ENTIRE BLANKET WIDTH. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 5. THE TERMINAL END OF THE BLANKET MUST BE ANCHORED WITH A ROW OF WOODEN STAKES APPROXIMATELY 12" APART IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF WOODEN STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

WOODEN STAKES ONLY, NO STAPLES



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SOIL EROSION & SEDIMENTATION CONTROL PLAN

Know What's
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REVISIONS

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