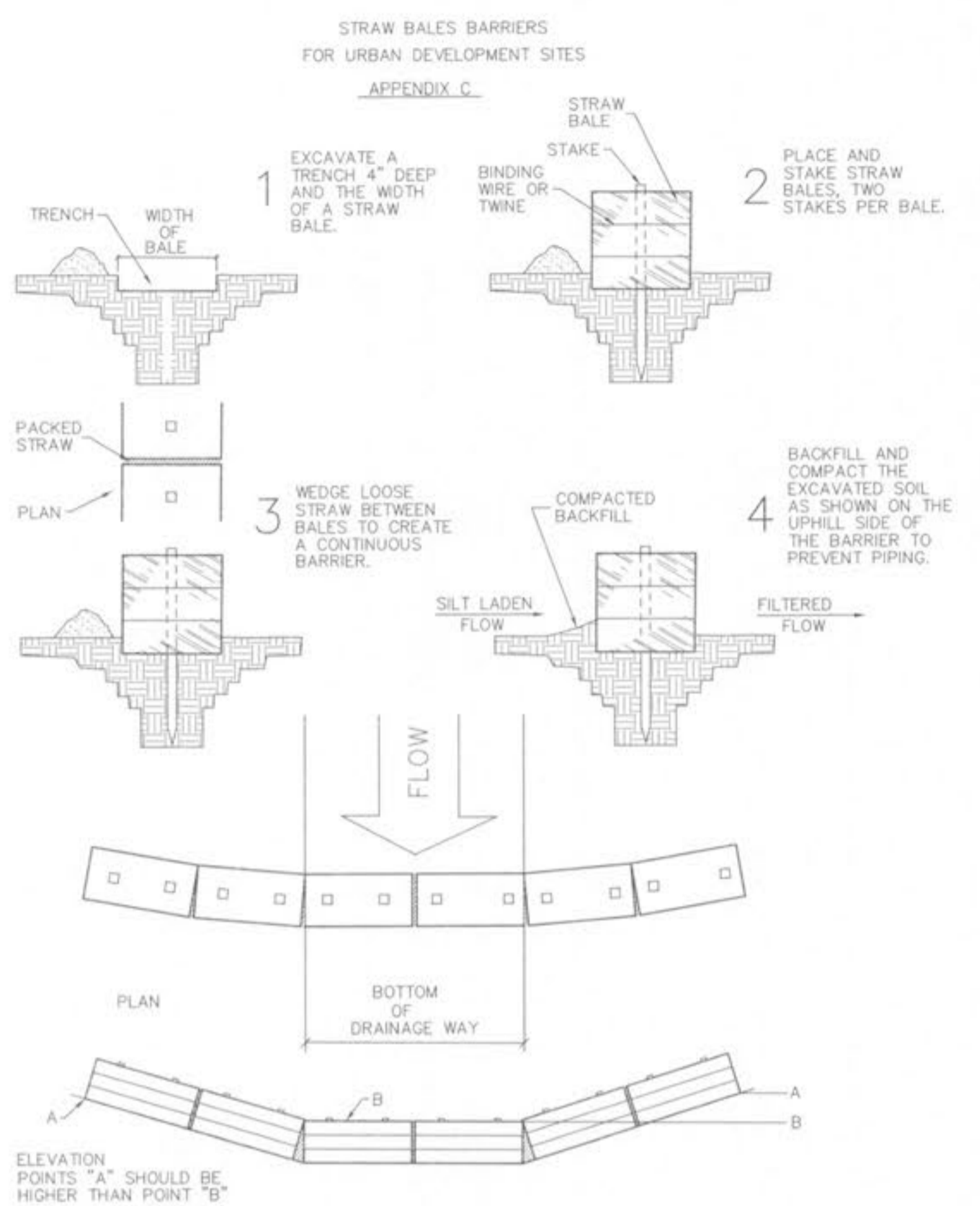


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APPENDIX C
STRAW BALES BARRIERS FOR URBAN DEVELOPMENT SITES

1. EXCAVATE A TRENCH 4" DEEP AND THE WIDTH OF A STRAW BALE.

2. PLACE AND STAKE STRAW BALES, TWO STAKES PER BALE.

3. WEDGE LOOSE STRAW BETWEEN BALES TO CREATE A CONTINUOUS BARRIER.

4. BACKFILL AND COMPACT THE EXCAVATED SOIL AS SHOWN ON THE UPHILL SIDE OF THE BARRIER TO PREVENT PIPING.

PLAN

BOTTOM OF DRAINAGE WAY

ELEVATION POINTS "A" SHOULD BE HIGHER THAN POINT "B"

PLAN

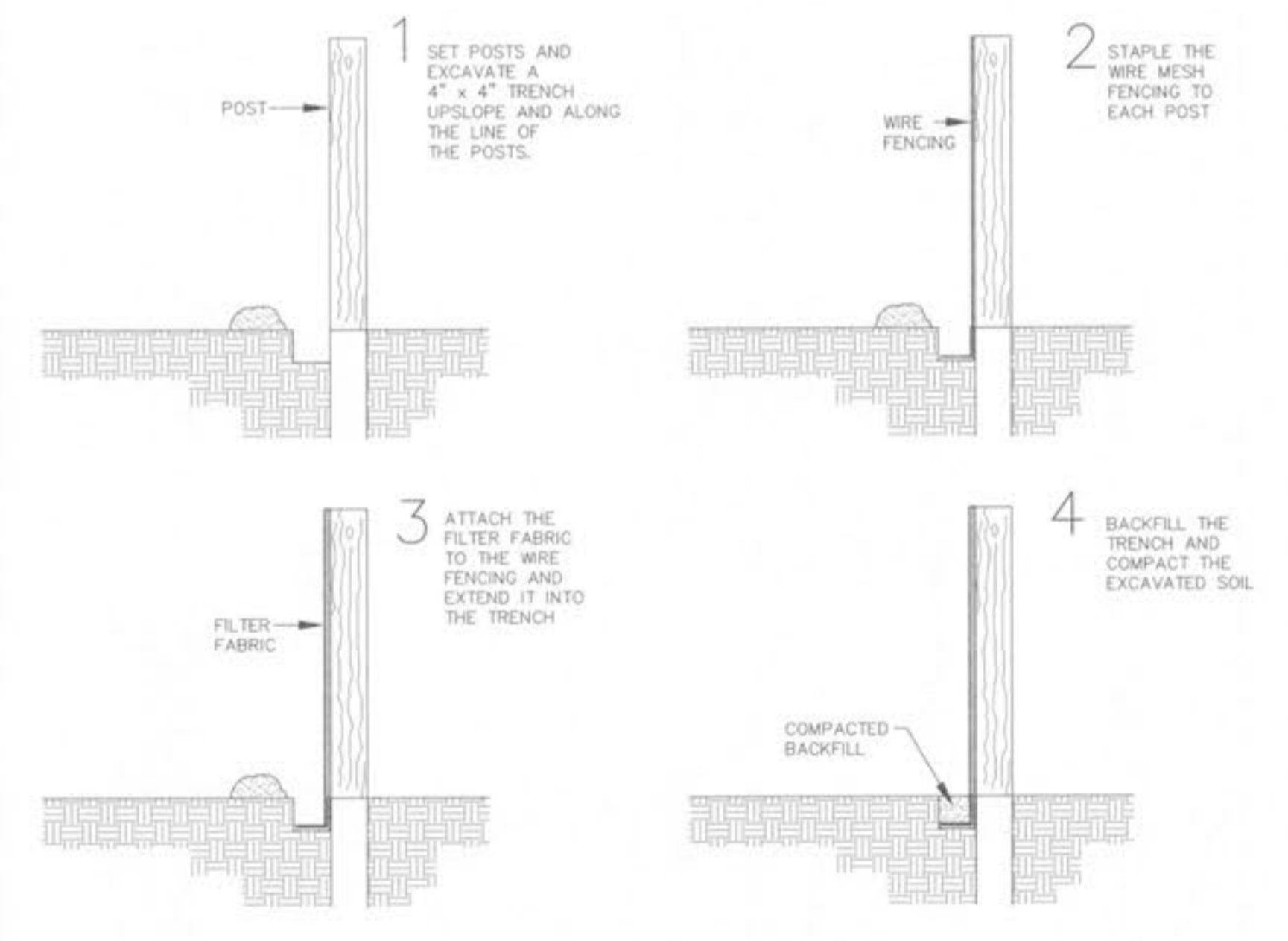
BOTTOM OF DRAINAGE WAY

ELEVATION POINTS "A" SHOULD BE HIGHER THAN POINT "B"

PLAN

BOTTOM OF DRAINAGE WAY

ELEVATION POINTS "A" SHOULD BE HIGHER THAN POINT "B"

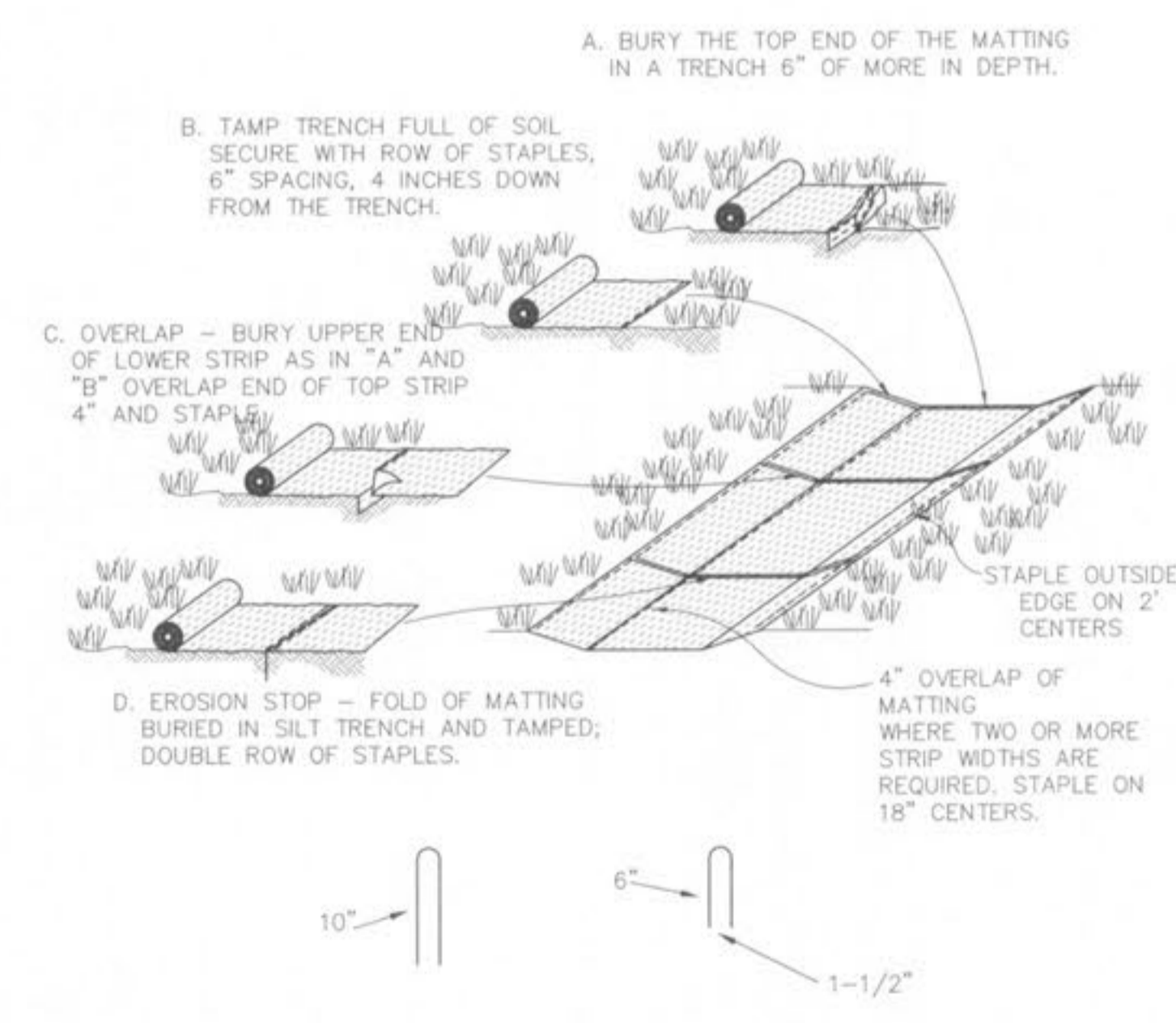


1. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.
4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEED.



SILTATION FENCE DETAIL

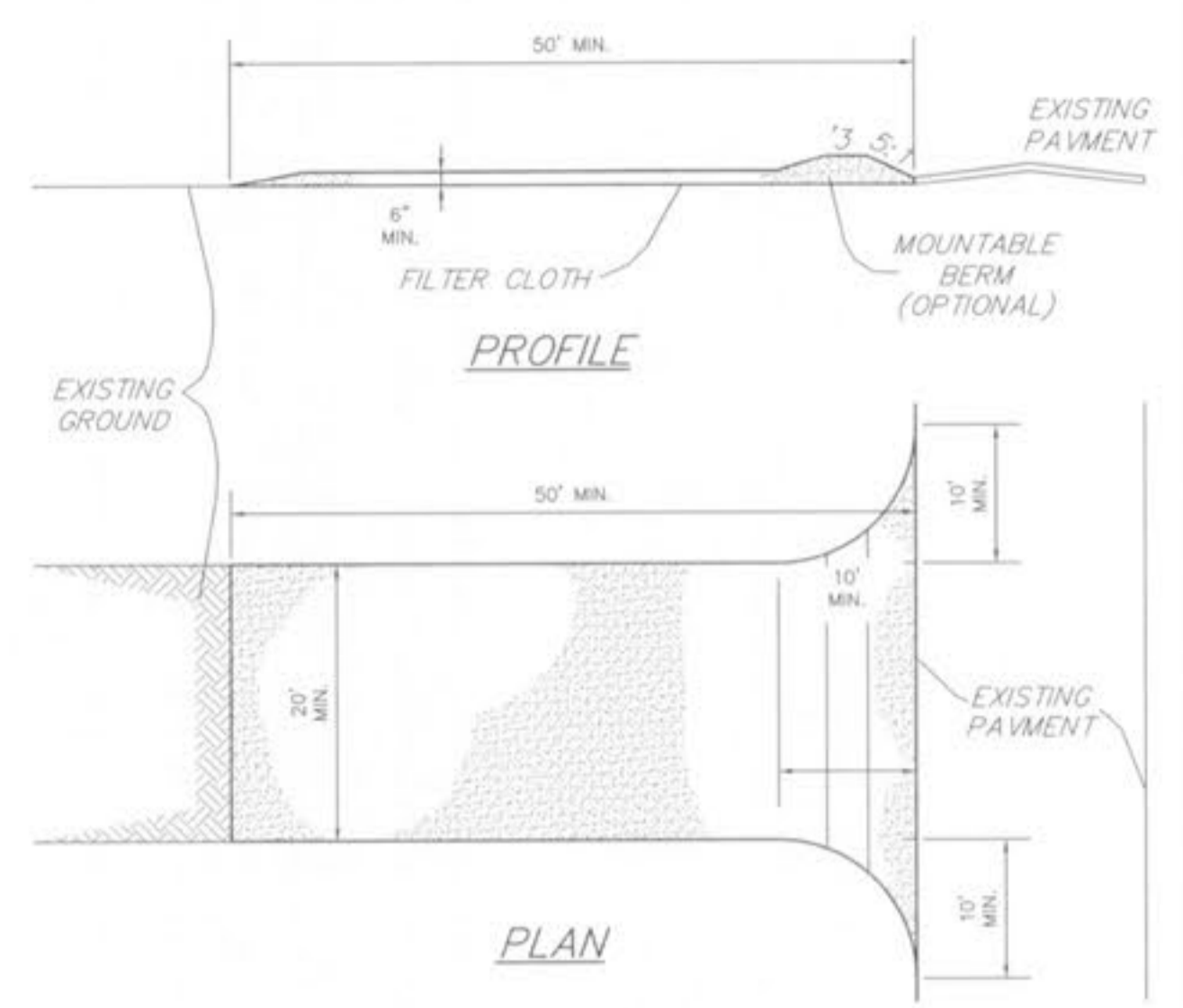
STABILIZED CONSTRUCTION ENTRANCE/WASHDOWN AREA
NOT TO SCALE



TYPICAL STAPLES NO. 11 GAUGE WIRE

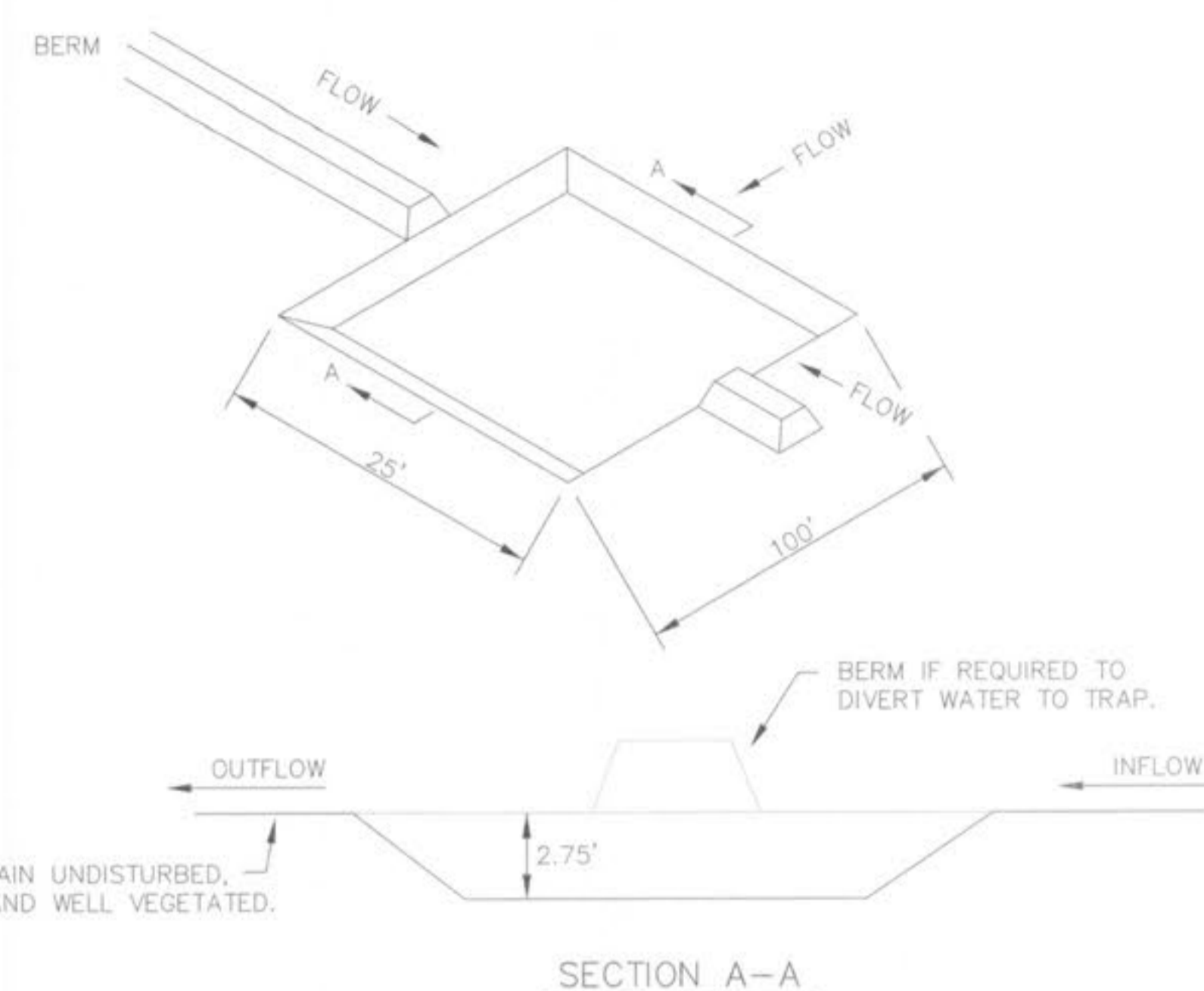
TYPICAL EROSION BLANKET INSTALLATION

THIS DETAIL IS FOR A GENERAL IDEA OF THE INSTALLATION OF A SEDIMENT CONTROL BLANKET INSTALLATION WILL VARY DEPENDING ON THE TYPE OF MANUFACTURER SELECTED. CONTRACTOR TO CHOOSE MANUFACTURER AND INSTALL PER THEIR RECOMMENDATIONS



CONSTRUCTION SPECIFICATIONS

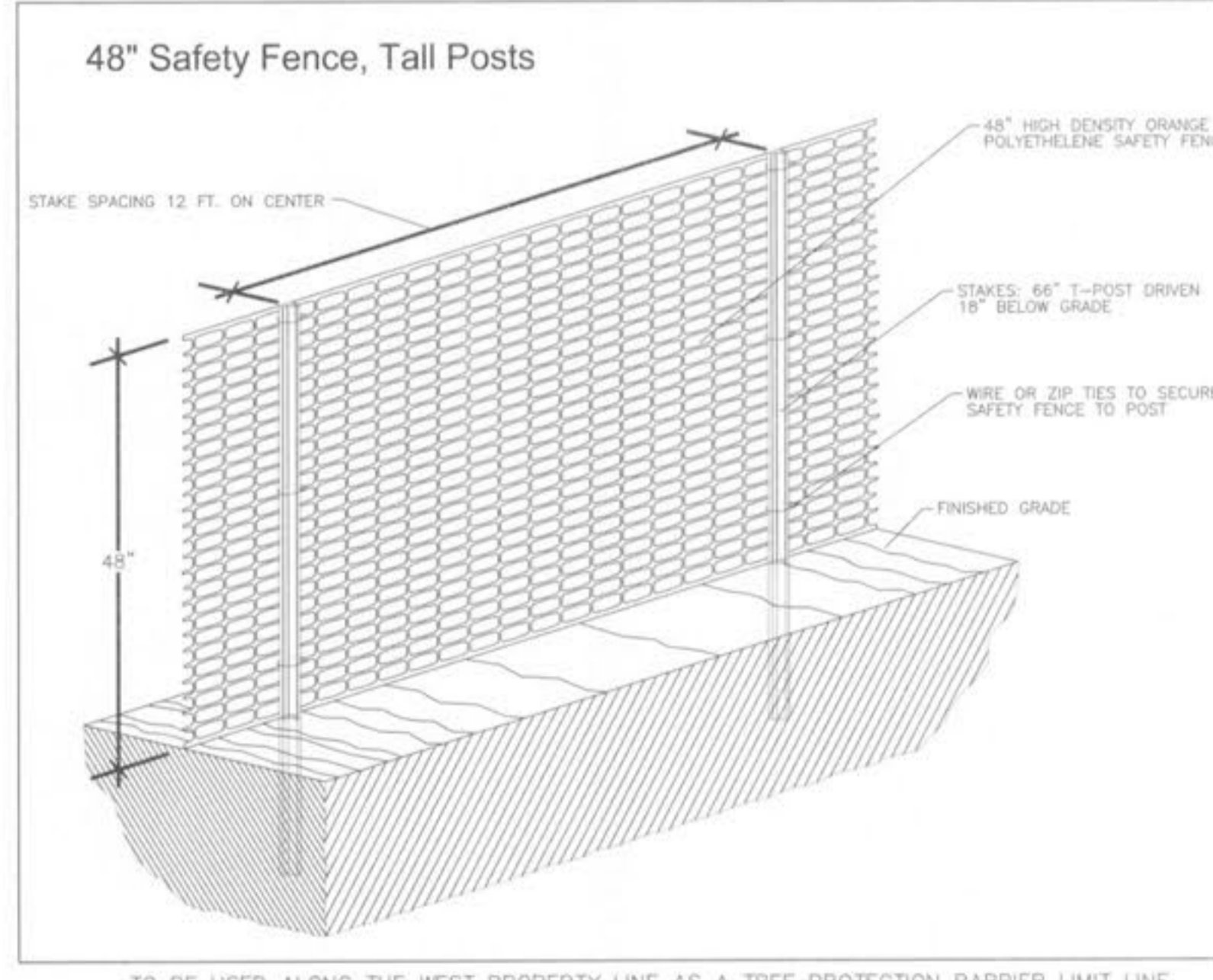
1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Twenty (20) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment, spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.



MAXIMUM DRAINAGE AREA: 5 ACRES

GRASS OUTLET SEDIMENT TRAP
NO SCALE

1. Volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage area.
2. Minimum crest width shall be 4 x Drainage Area.
3. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to $\frac{1}{4}$ the design of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
4. The structure shall be inspected after each rain and repairs made as needed.
5. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
6. The sediment trap shall be removed and area stabilized when the remaining drainage area has been properly stabilized.
7. All cut slopes shall be 1:1 or flatter.



TO BE USED ALONG THE WEST PROPERTY LINE AS A TREE PROTECTION BARRIER LIMIT LINE



SOMMERS ROAD ELEMENTARY SCHOOL - PHASE 1, 1.5 AND 2
2523 SOMMERS ROAD
O'FALLON, MISSOURI
WENTZVILLE R-IV SCHOOL DISTRICT

CONSULTING ENGINEERS:
ABS CONSULTING, INC.
MECHANICAL/ELECTRICAL/PLUMB
STRUCTURAL ARCHITECTS
ENGINEERING ASSOC.
DENNIS C. GLORE, INC.

HOENER ASSOCIATES, INC.
ARCHITECTS
ST. LOUIS, MISSOURI

221 Park West Blvd.
St. Charles, MO 63301
636-628-5522
636-628-5522
636-628-1718

ALL DIMENSIONS MUST BE VERIFIED AT BUILDING BEFORE WORK IS EXECUTED. THIS DRAWING IS THE PROPERTY OF THE ARCHITECTS AND SHALL NOT BE COPIED OR DUPLICATED WITHOUT THEIR CONSENT.

job no. 05-06B
date issued
AUG 15, 2008
date revised
10-24-08 CITY COMMENTS
12-4-08 CITY COMMENTS
12-24-08 CITY COMMENTS

drawn by SWR
checked by SWR
sheet no.

C27.0

JULY 17, 2008 CITY FILE #3407.03

DETAILS