

SEDIMENT & EROSION CONTROL NOTES

GENERAL

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION, AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES, AND WATERBODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

LAND GRADING

GENERAL

- THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES, SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
 - THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
 - THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
 - THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).
 - EXCAVATIONS SHOULD NOT BE MADE SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTY WITHOUT PROTECTING SUCH PROPERTY FROM EROSION, SLIDING, SETTLING, OR CRACKING.
 - NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSES, OR WATERBODIES.

EROSION CHECKS

GENERAL

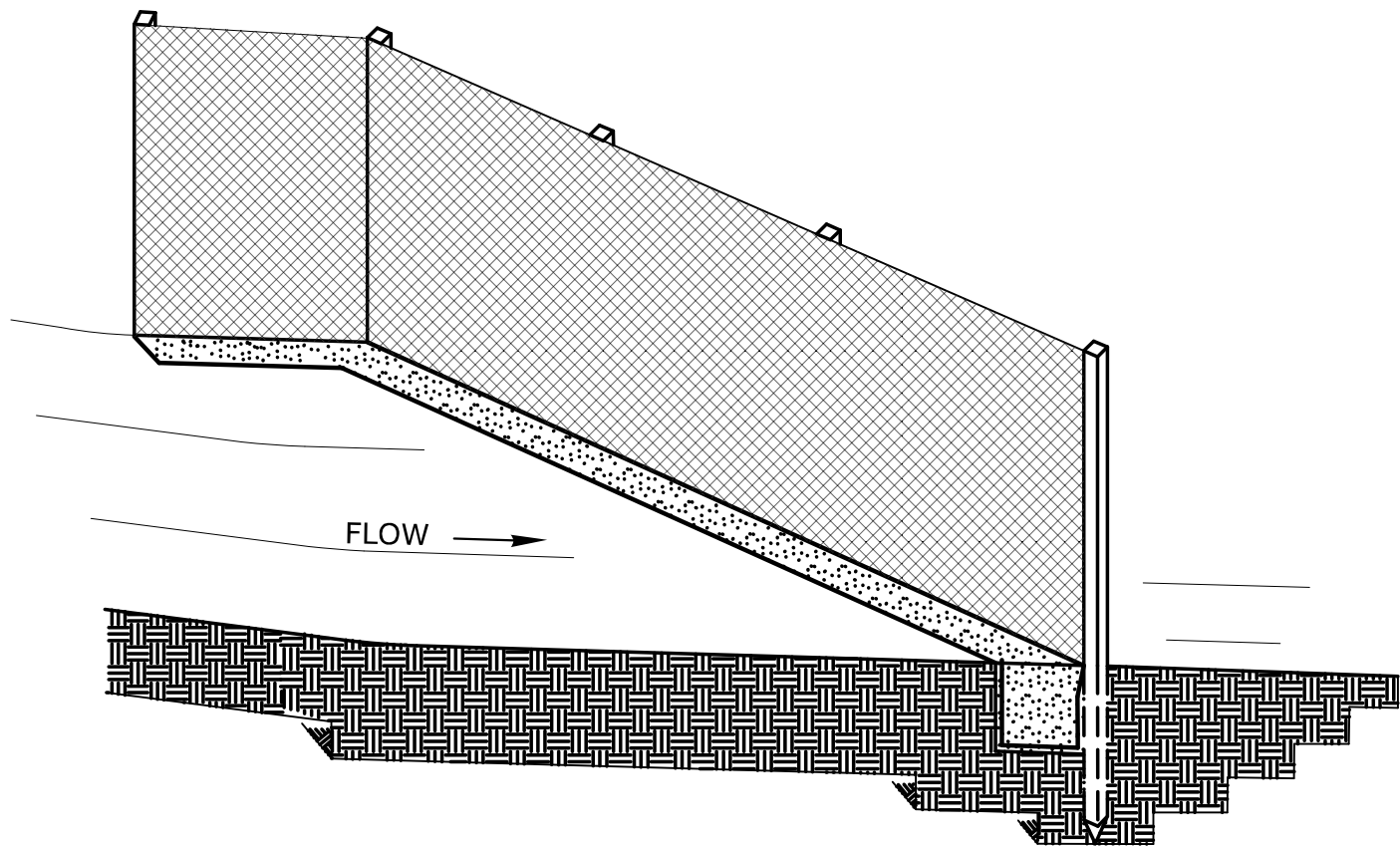
- TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND OR GEOTEXTILE FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION TO BE PAID FOR UNDER THE ITEM "SEDIMENTATION CONTROL SYSTEM".

CONSTRUCTION

- BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR INCHES (4").
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
- GEOTEXTILE FABRIC SHALL BE SECURELY ANCHORED AT THE TOP OF A THREE FOOT (3') HIGH FENCE AND BURIED A MINIMUM OF FOUR INCHES (4") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO FEET (2').

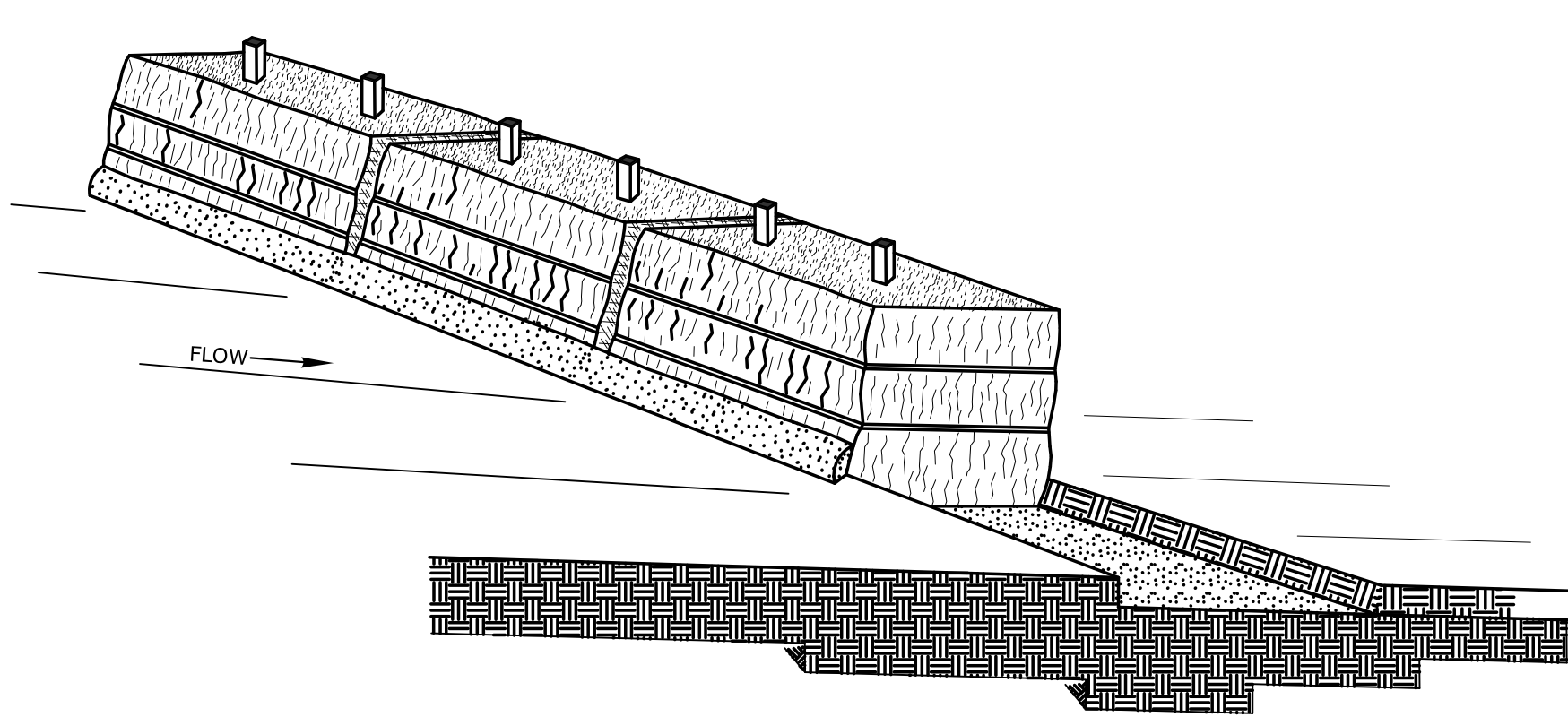
INSTALLATION AND MAINTENANCE

- BALED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
- ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
- INSPECTION SHALL BE FREQUENT (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

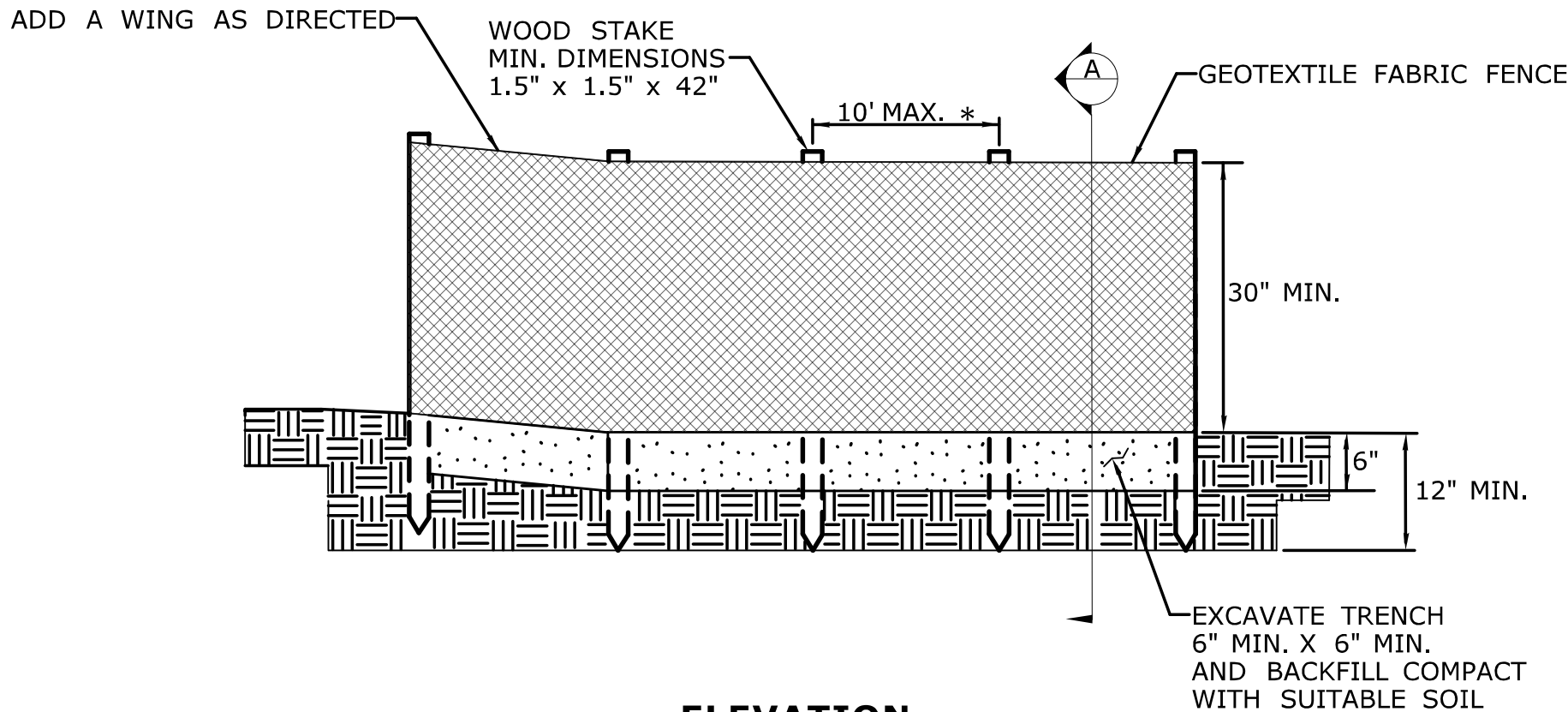


SEDIMENTATION CONTROL SYSTEM

INSTALL THE WING WHEN THE FENCE IS MORE THAN 4' FROM THE TOE OF SLOPE AND THE FENCE LINE GRADIENT IS 5% OR MORE

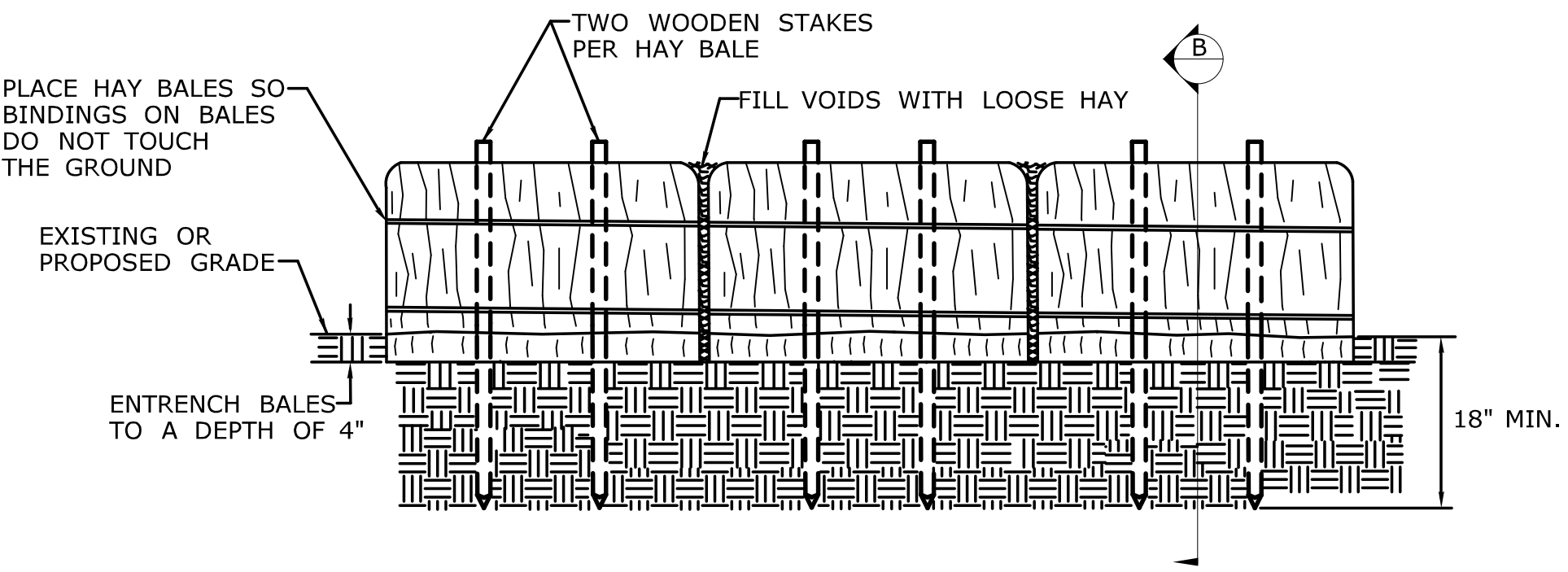


SEDIMENTATION CONTROL SYSTEM

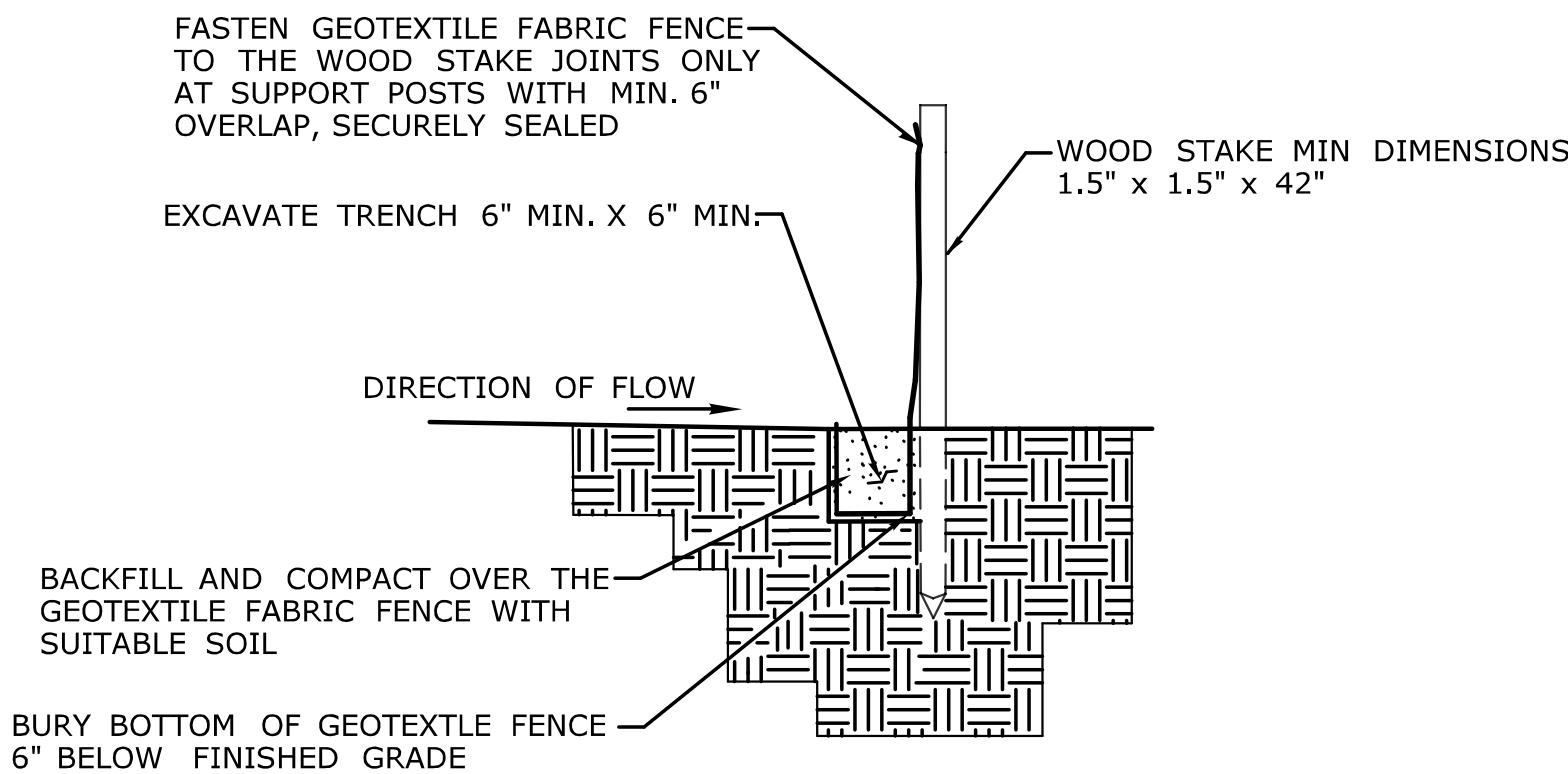


ELEVATION

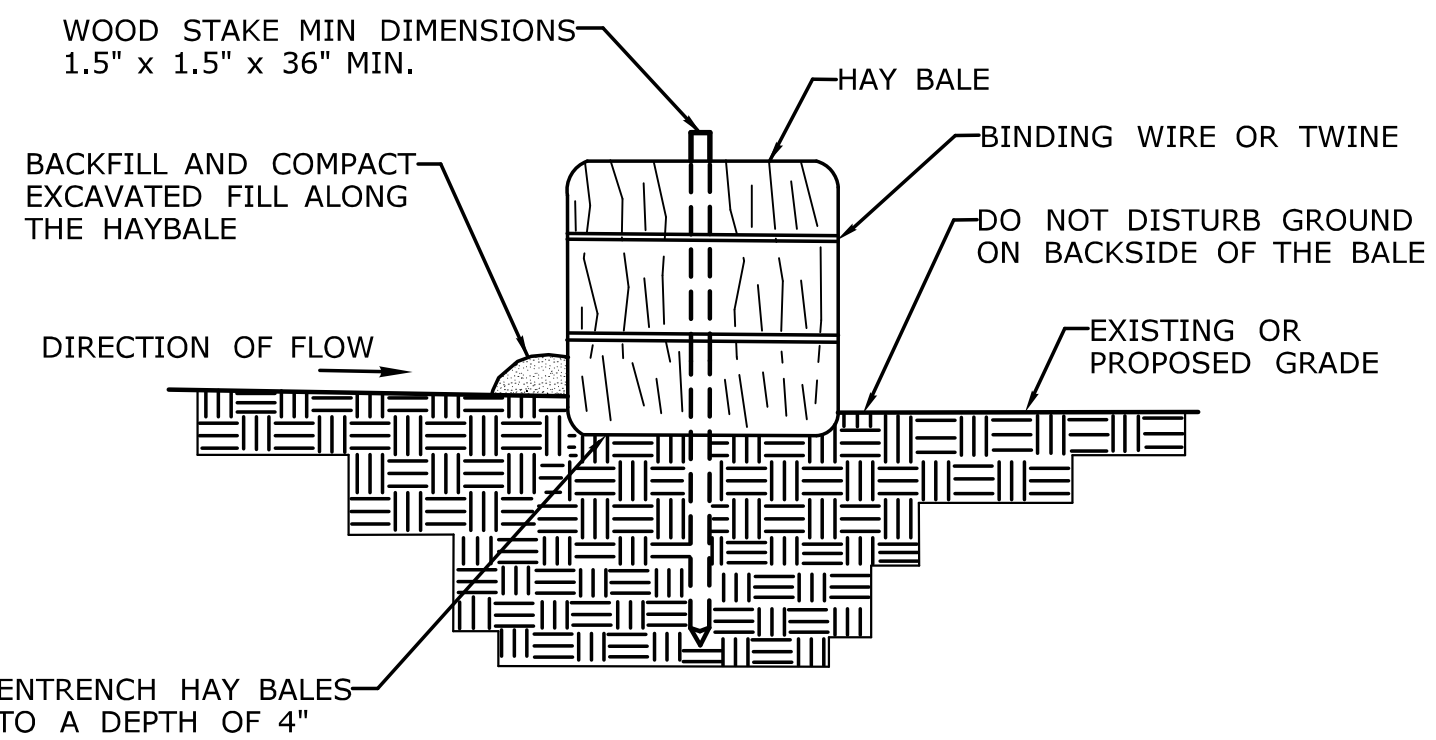
* FOR SLOPES STEEPER THAN 2:1
USE A 5' POST SPACING OR AS
DIRECTED BY THE ENGINEER



ELEVATION



SECTION A



SECTION B

REV	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:



99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM



DESIGNER/DRAFTER: L. BUCHELI
CHECKED BY: S. FLUDE



CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 05623 COLONY ROAD
OVER LATIMER BROOK

TOWN(S):

EAST LYME

DRAWING TITLE:

SEDIMENT AND EROSION
CONTROL DETAILS - 1

PROJECT NO.:

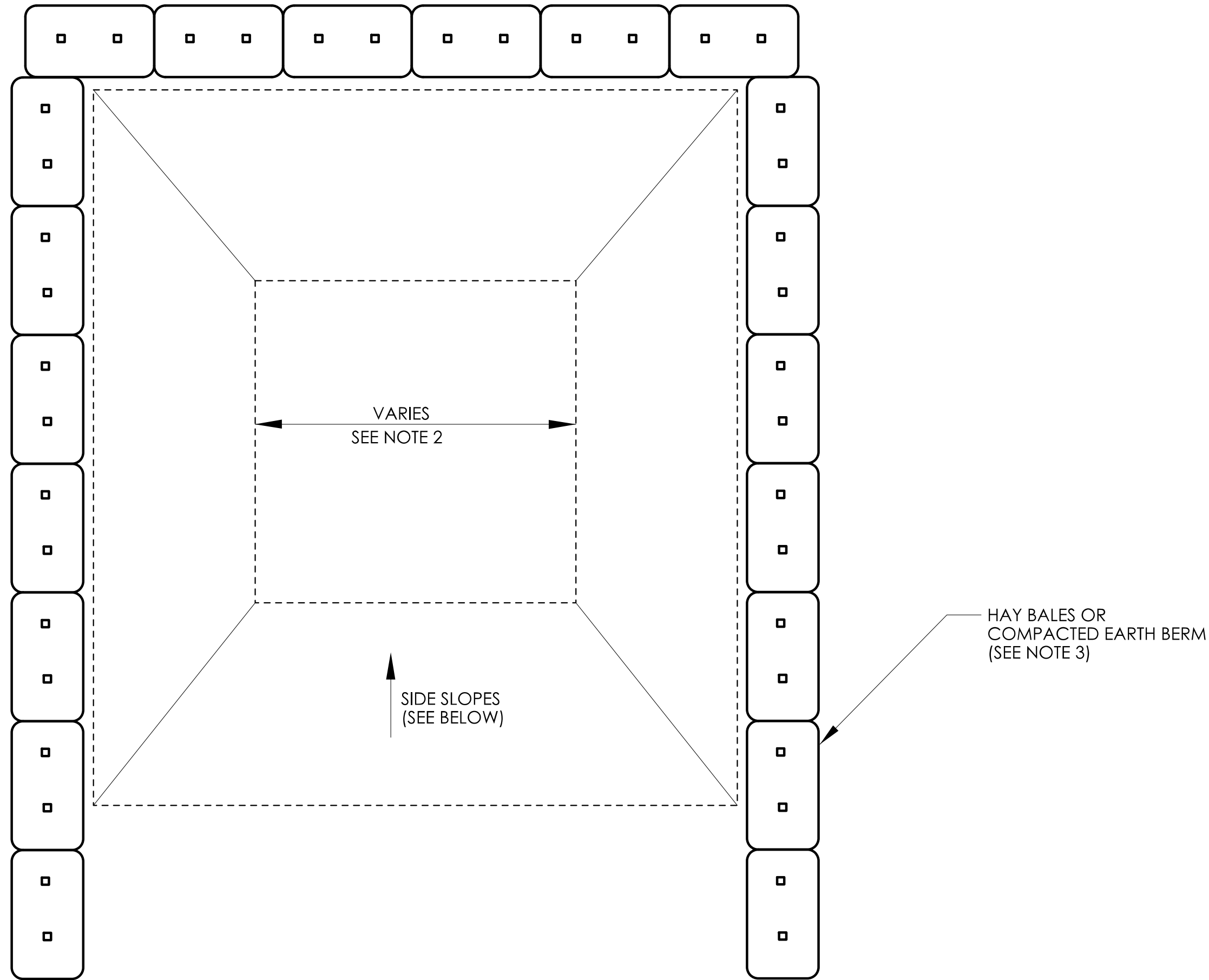
0044-0161

DRAWING NO.:

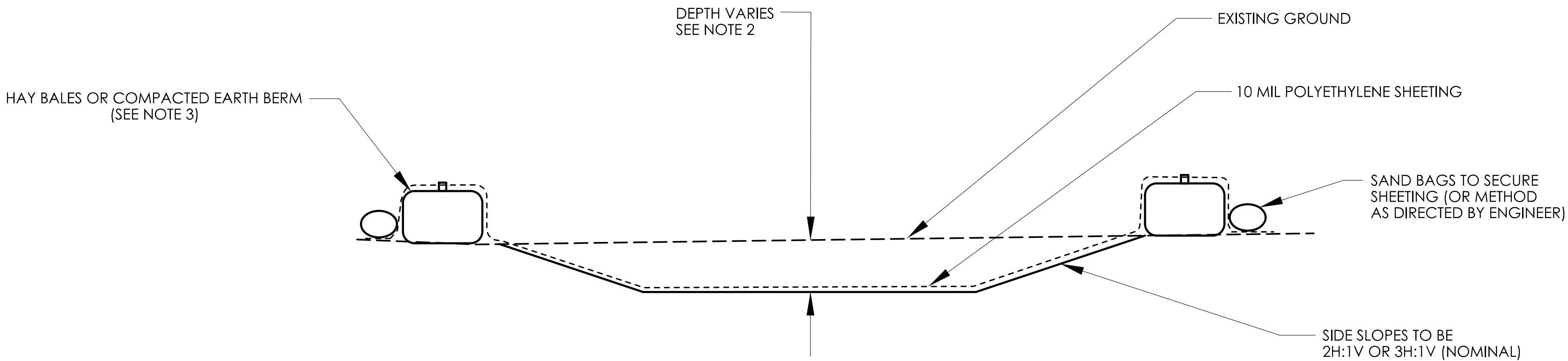
SE-01

SHEET NO.:

03.07



PLAN



CONCRETE WASHOUT AREA

NOT TO SCALE
(SEE NOTE 2)

GENERAL NOTES:

1. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.
2. THE CONTRACTOR SHALL SUBMIT THE DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREA(S) WITH THE PROJECT'S EROSION AND SEDIMENTATION CONTROL PLAN AND SHALL BE APPROVED BY THE ENGINEER.

LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50 FEET FROM ANY STREAM, WETLAND, STORM DRAINS, OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOODPLAIN.

SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO, OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.
3. SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, HAY BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.
4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING OR OTHER APPROVED METHOD.
5. WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECKED FOR LEAKS, TEARS, OR OVERFLOWS. (AS REQUIRED BY THE CONSTRUCTION SITE ENVIRONMENTAL INSPECTION REPORT) WASHOUT AREA(S) SHOULD BE CHECKED AFTER HEAVY RAINS.
6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S DEPTH. THE WASTE CAN BE STORED AT AN UPLAND LOCATION, AS APPROVED BY THE ENGINEER. ALL CONCRETE WASTE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS, AND GUIDELINES.
7. PAYMENT FOR THIS ITEM IS TO BE INCLUDED UNDER THE GENERAL COST OF THE WORK FOR THE PROJECT, INCLUDING SITE RESTORATION.

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CHECKED BY: S. FLUDE



PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 05623 COLONY ROAD
OVER LATIMER BROOK

TOWN(S):

EAST LYME

DRAWING TITLE:

SEDIMENT AND EROSION
CONTROL DETAILS - 2

PROJECT NO.:

0044-0161

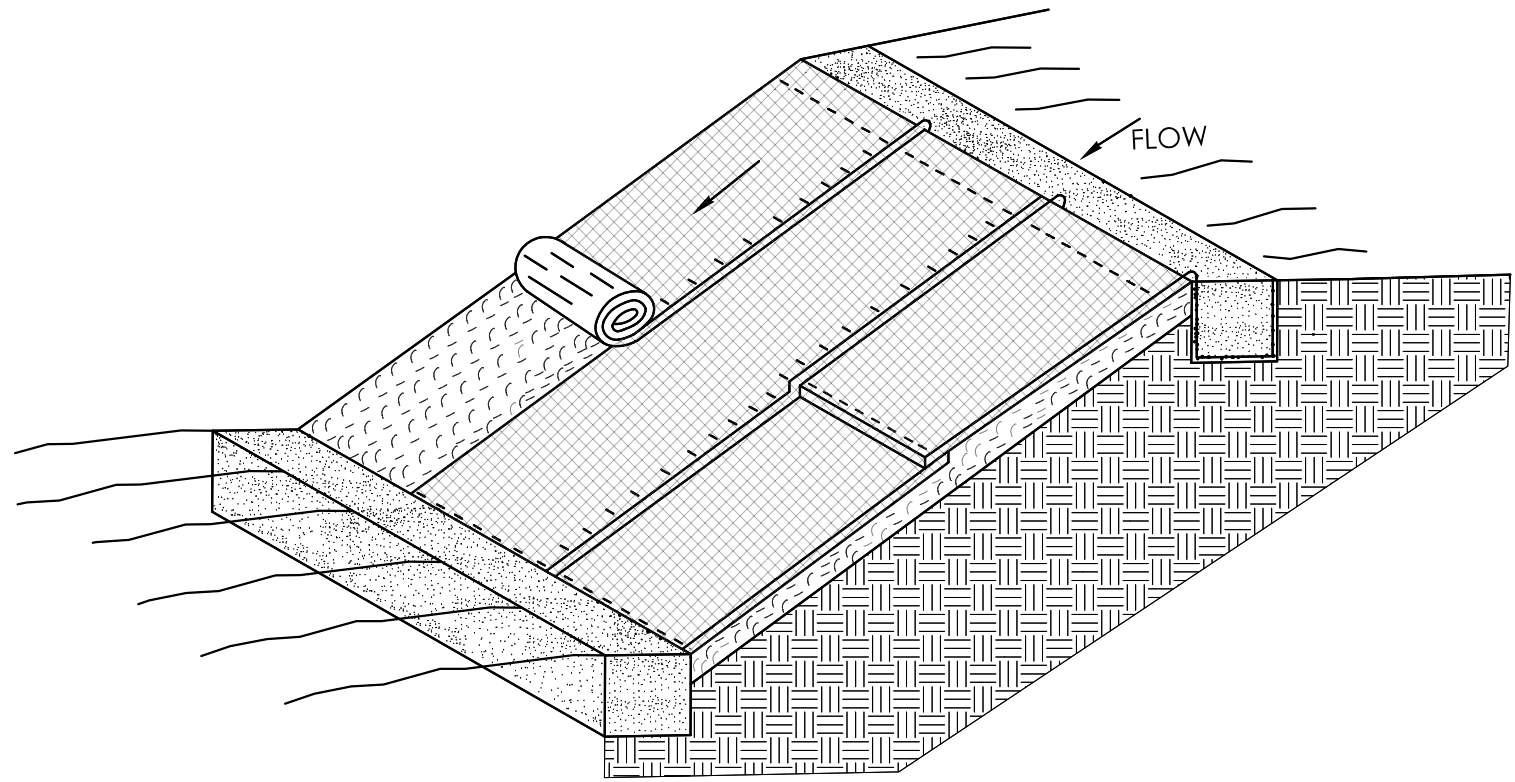
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SE-02

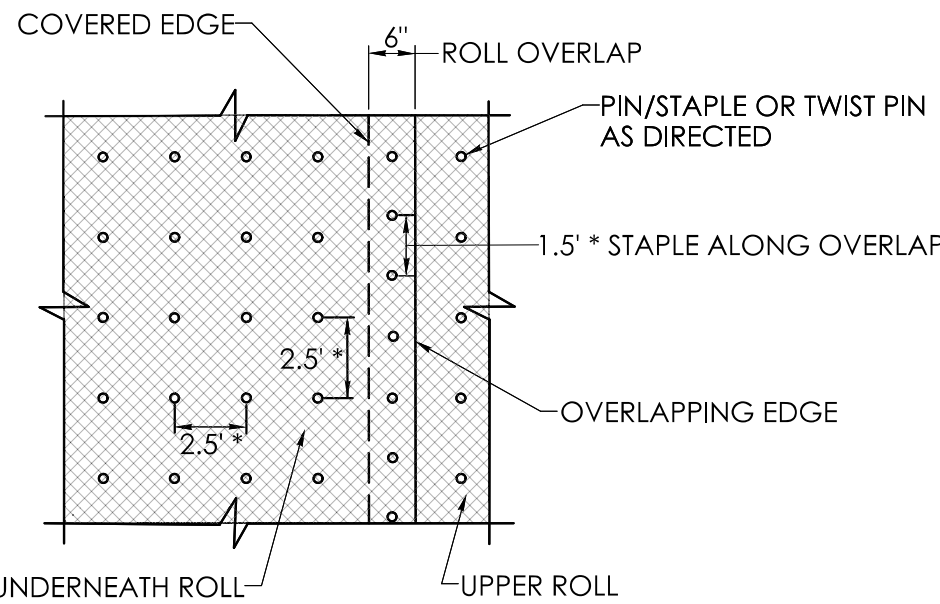
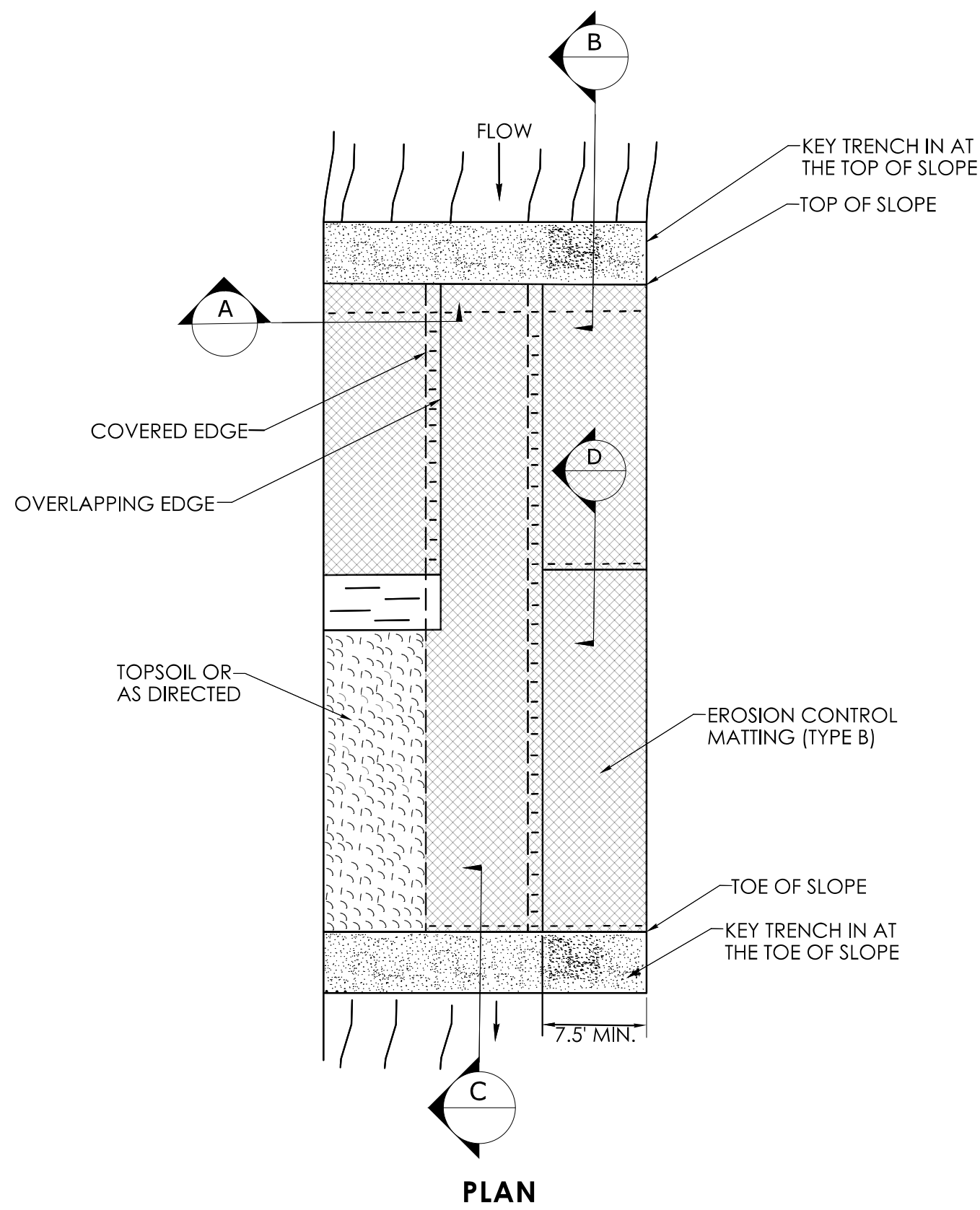
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03.08

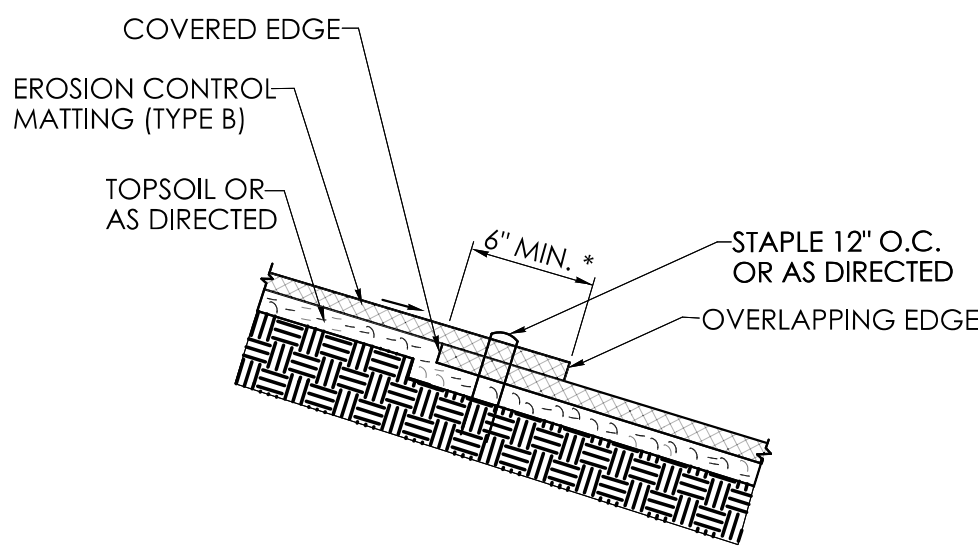
GENERAL NOTE:
1. USE THE MINIMUM DIMENSIONS SHOWN OR AS RECOMMENDED BY THE MANUFACTURER



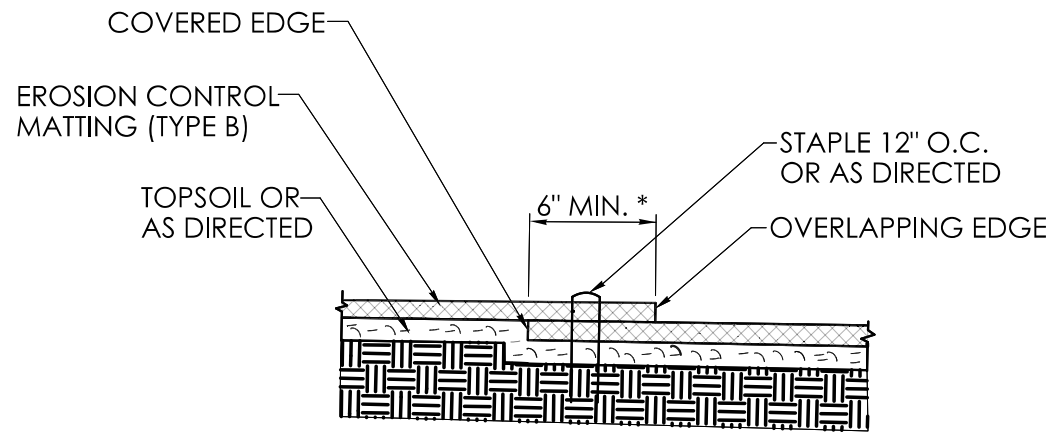
TYPICAL EROSION CONTROL MATTING



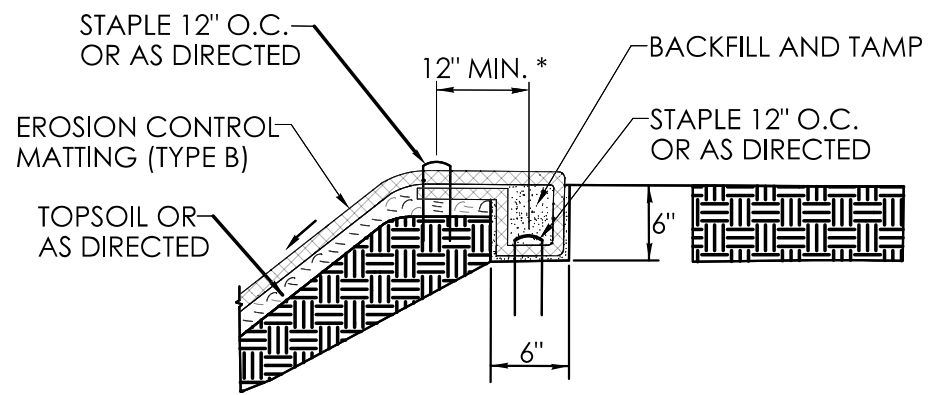
STAPLE PATTERN
* SEE NOTE 1



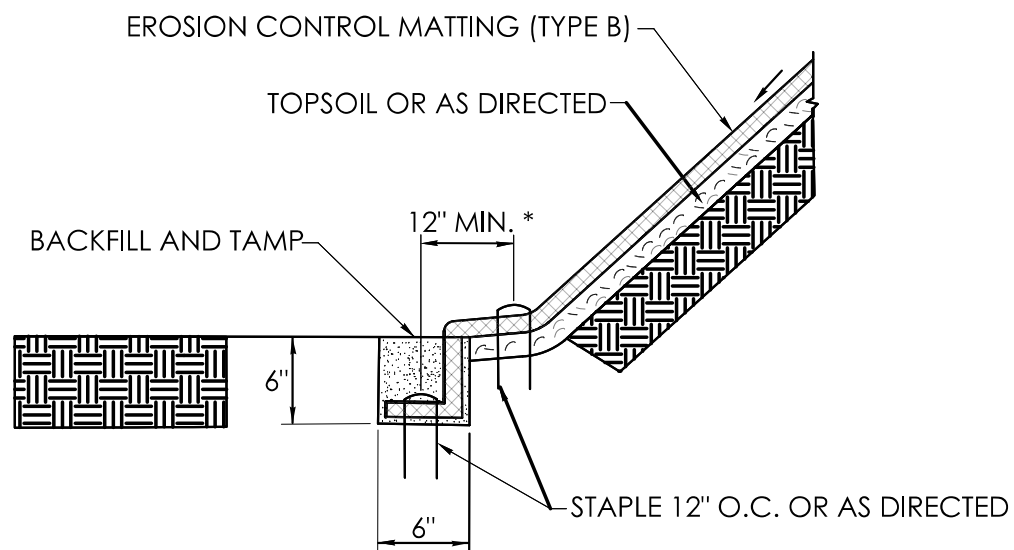
SECTION D



SECTION A



SECTION B
KEY IN TRENCH AT TOP OF SLOPE
* SEE NOTE 1



SECTION C
KEY TRENCH AT TOE OF SLOPE

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: L. BUCHELI
CHECKED BY: S. FLUDE

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CHESHIRE, CT 06410
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CONNECTICUT
DEPARTMENT OF
TRANSPORTATION

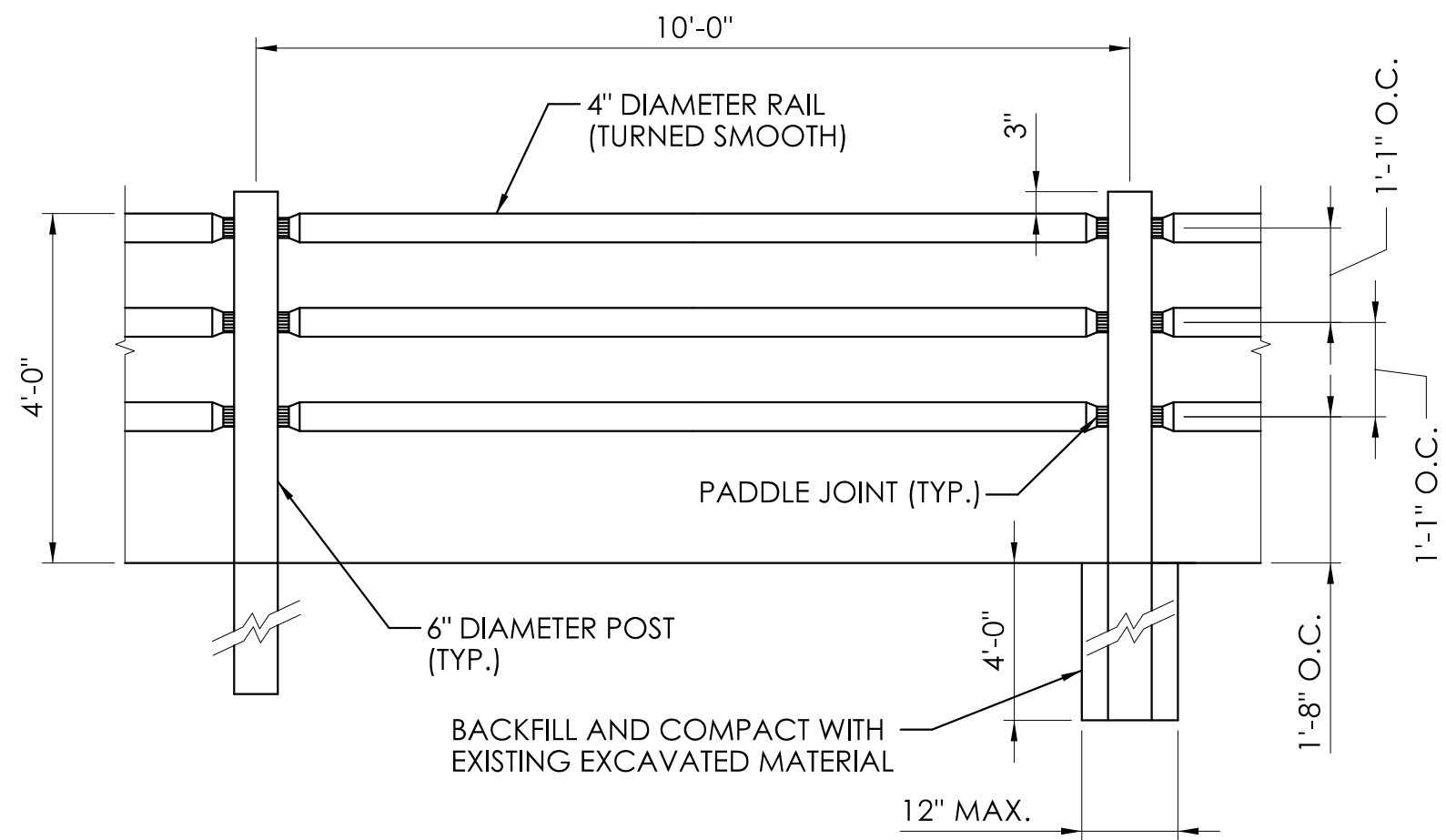
PROJECT TITLE:
**REPLACEMENT OF BRIDGE NO. 05623 COLONY ROAD
OVER LATIMER BROOK**

TOWN(S):
EAST LYME

DRAWING TITLE:
**SEDIMENT AND EROSION
CONTROL DETAILS - 3**

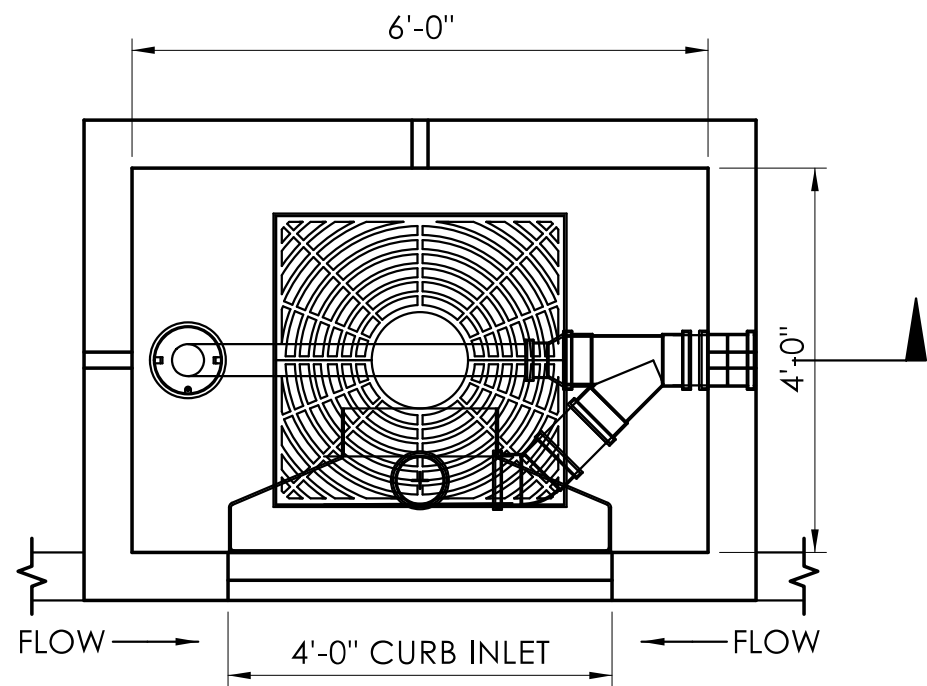
PROJECT NO.:
0044-0161

DRAWING NO.:
SE-03
SHEET NO.:
03.09

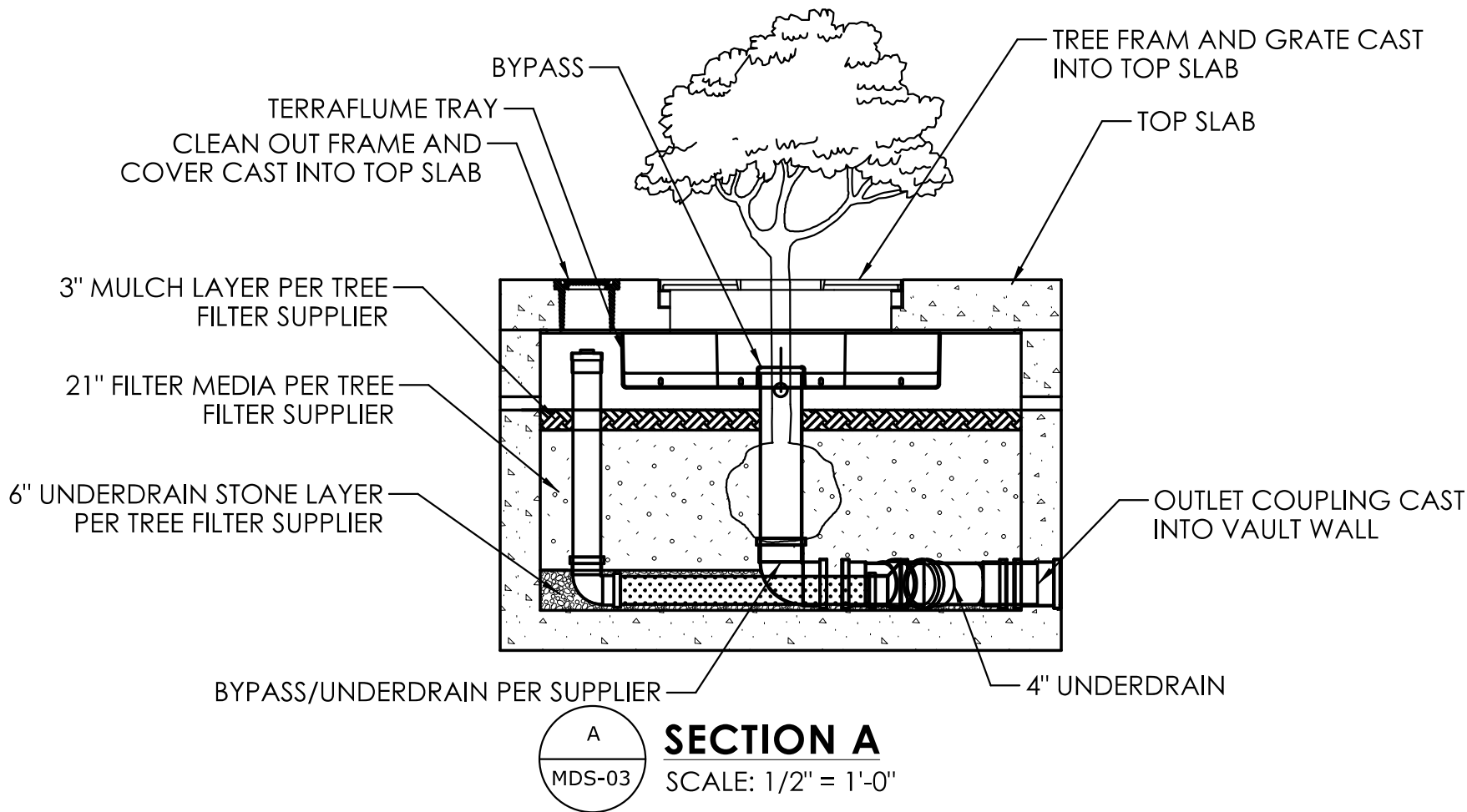


THREE RAIL WOOD FENCE
NOT TO SCALE

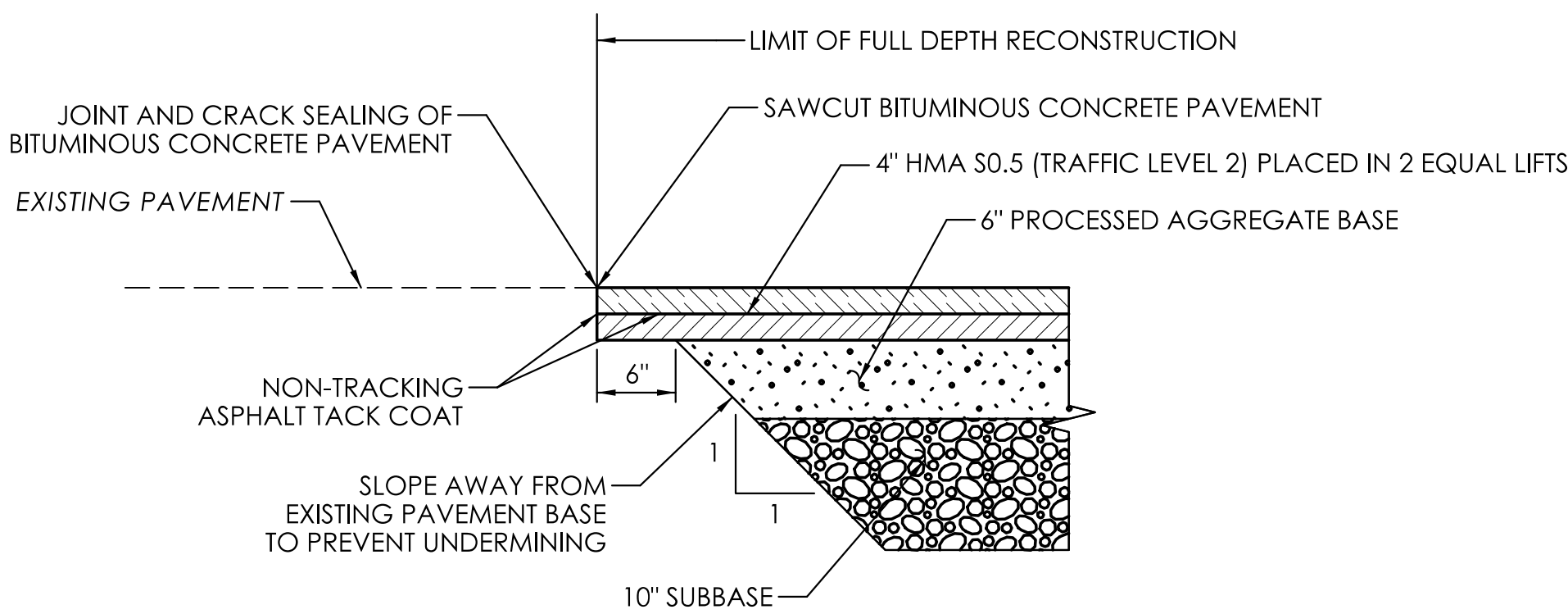
NOTE:
ALL WOOD IS TO BE PRESSURE
TREATED SOUTHERN YELLOW PINE.



PLAN VIEW
SCALE: 1/2" = 1'-0"

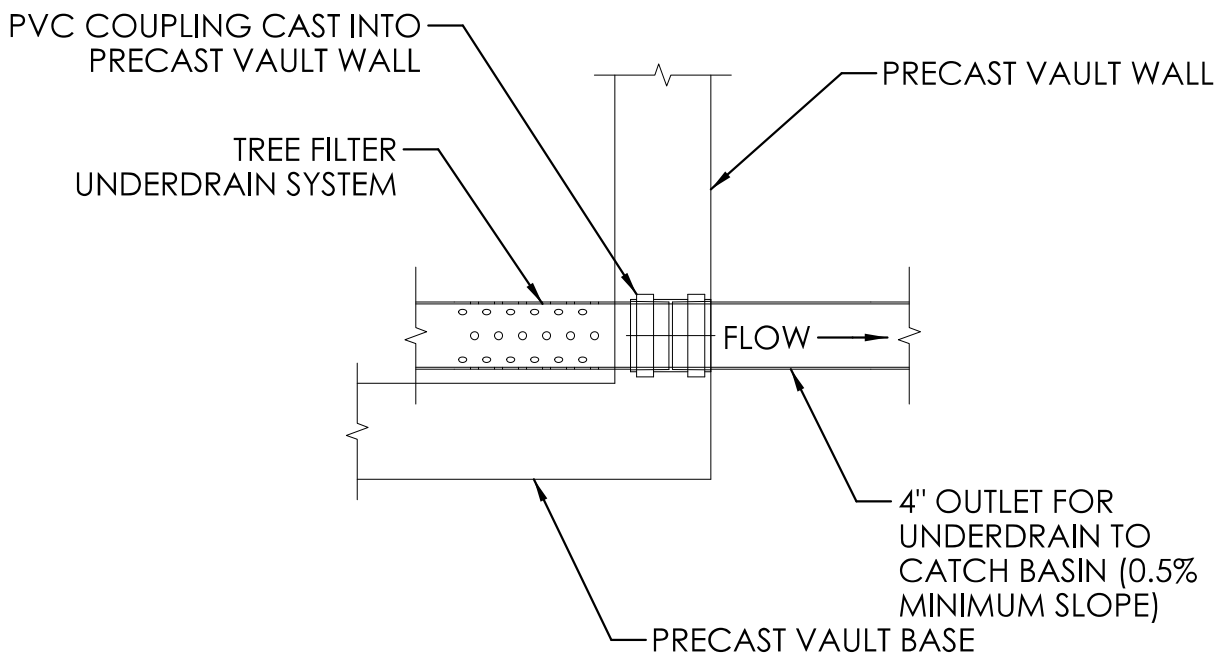


NOTES:
1. THE TREE FILTER SHALL BE BY CONTECH ENGINEERED SOLUTIONS, LLC (MODEL: FILTERRA - VAULT CONFIGURATION) OR APPROVED EQUAL.
2. THE MULCH, FILTER MEDIA, AND UNDERDRAIN STONE SHALL BE AS SPECIFIED BY THE TREE FILTER MANUFACTURER AND INCLUDED IN THE LUMP SUM COST OF THE ITEM "TREE FILTER".

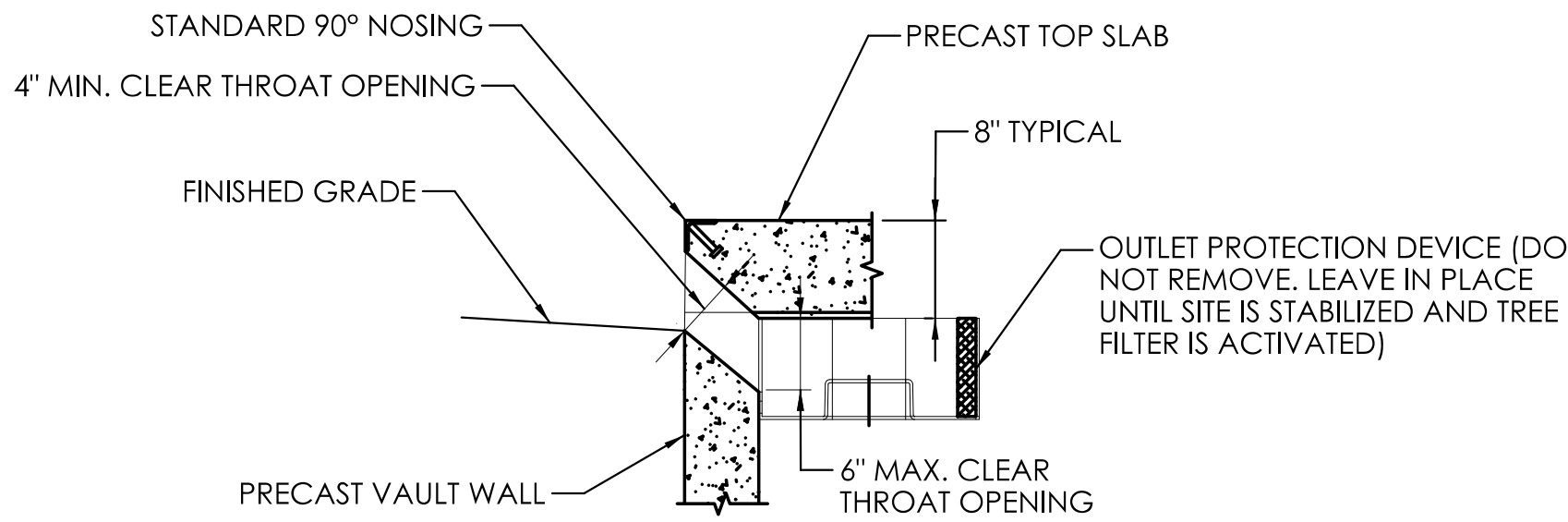


PAVEMENT TRANSITION DETAIL FOR
PLACEMENT AT EXISTING PAVEMENT

STA. 10+45
STA. 14+60
SCALE: 1" = 1'-0"



OUTLET CONNECTION DETAIL
SCALE: 1" = 1'-0"



STANDARD CURB INLET
NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:  DESIGNER/DRAFTER: L. BUCHELI CHECKED BY: S. FLUDE	99 REALTY DRIVE CHESHIRE, CT 06410 203.271.1773 SLRCONSULTING.COM 	CONNECTICUT DEPARTMENT OF TRANSPORTATION	PROJECT TITLE: REPLACEMENT OF BRIDGE NO. 05623 COLONY ROAD OVER LATIMER BROOK	TOWN(S): EAST LYME	DRAWING TITLE: MISCELLANEOUS DETAIL SHEET - 1	PROJECT NO.: 0044-0161	DRAWING NO.: MDS-01 SHEET NO.: 03.10
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