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5	Temporary Curb Inlet Protection
6	Temporary Check Dam, Revetment Riprap
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9	Temporary Sediment Trap
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INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL INDEX SHEET

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-01

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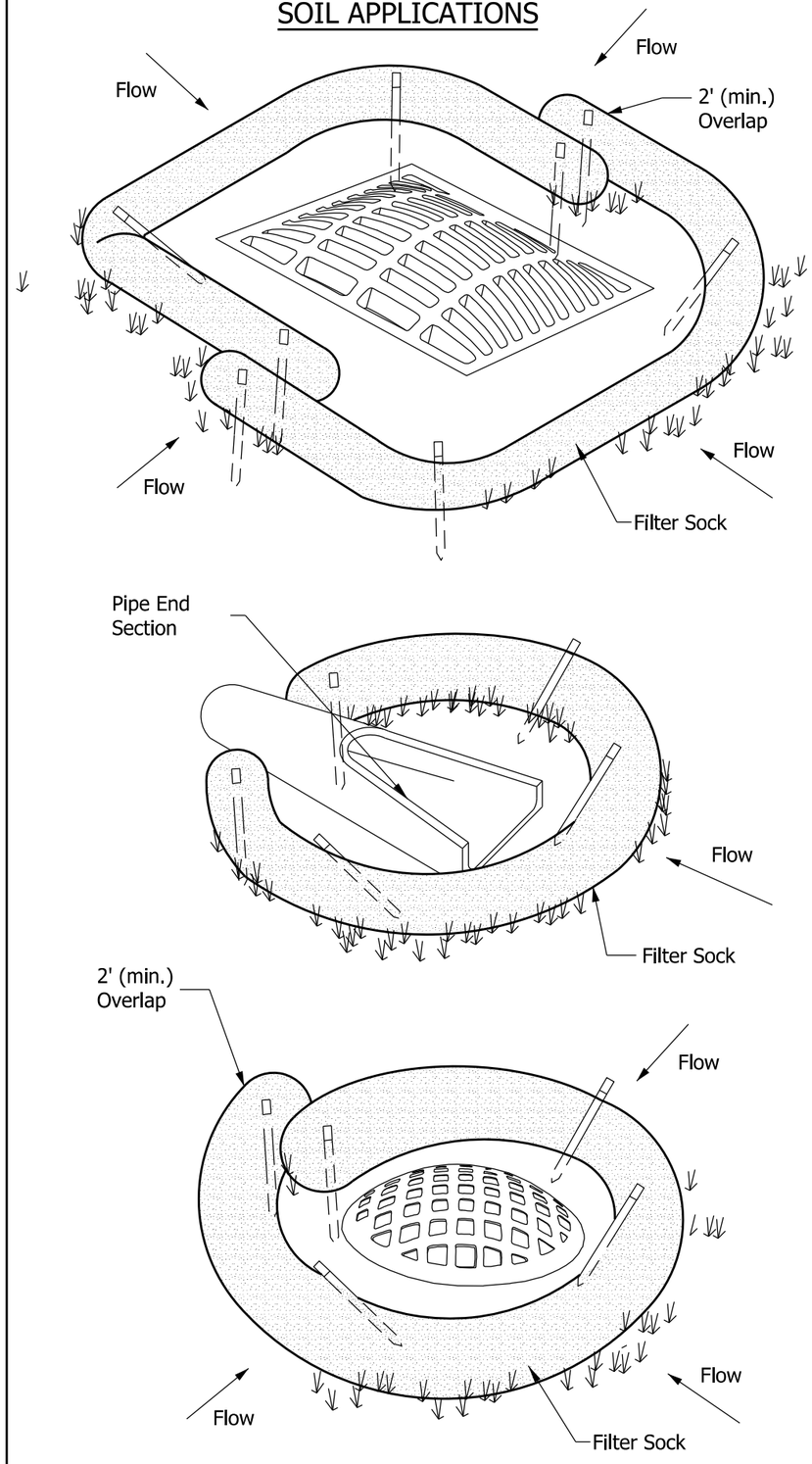
No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

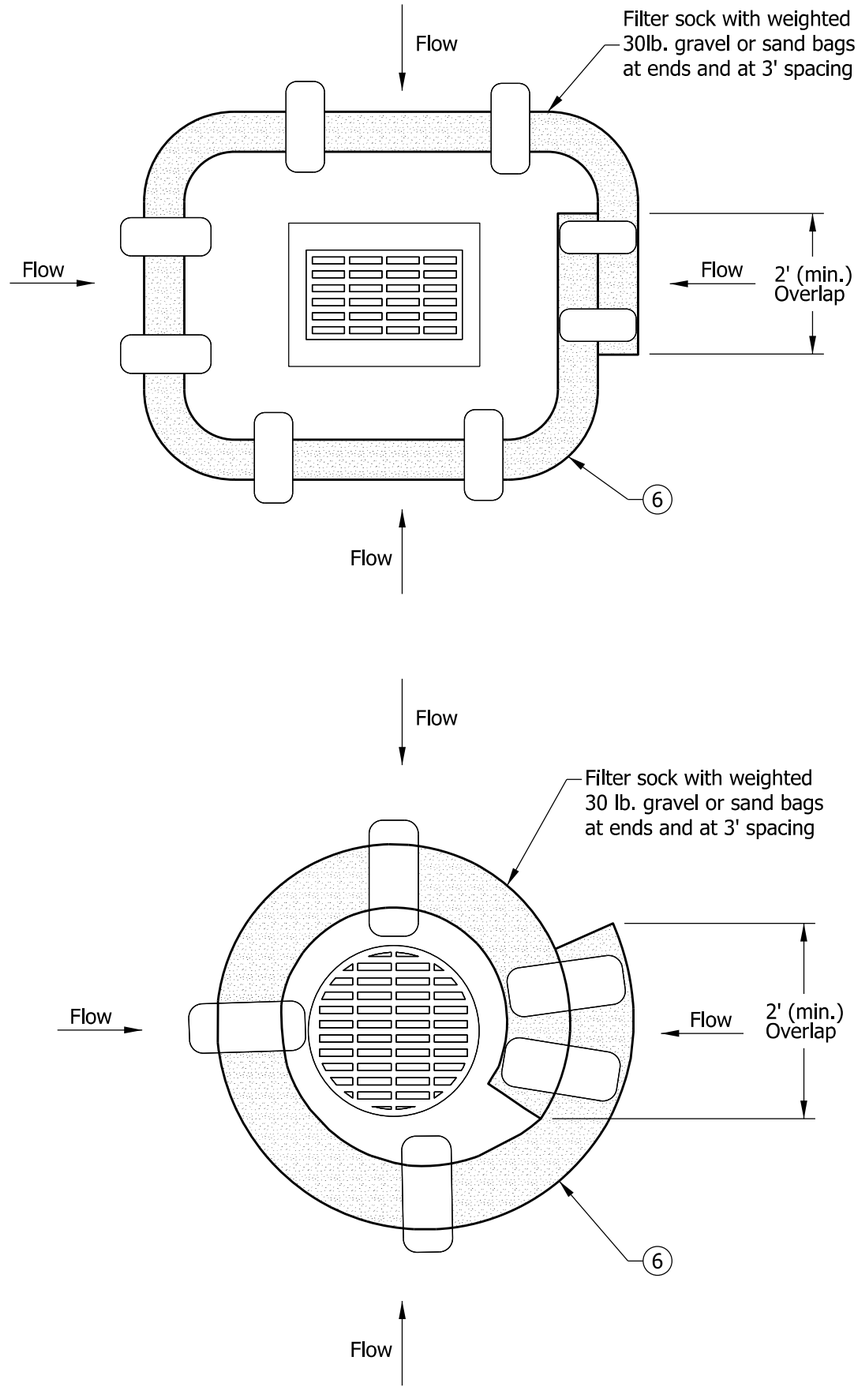
5/2/2019
DESIGN STANDARDS ENGINEER DATE

5/31/2019
CHIEF ENGINEER DATE

INLET PROTECTION
SOIL APPLICATIONS



INLET PROTECTION
PAVEMENT APPLICATIONS



NOTES:

1. Fiber roll may be substituted for filter sock.
2. Filter sock shall be secured to prevent movement and undercutting as shown or in accordance with the manufacturer's instructions. See Standard Drawing E 205-TECD-10 for securing methods.
3. Inlet protection shall be inspected, at a minimum once every seven days and after each storm event. Sediment shall be removed when 1/3 of the filter sock depth has been filled or as directed.
4. Sediment and gravel deposited on roadways shall be removed once identified after each storm event.
5. Inlet protection shall be removed after the surrounding area becomes stable.
6. Inlet protection shall be used within a lane or shoulder only when closed to traffic. Inlet protection shall not cause water to encroach upon a lane open to traffic.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY INLET PROTECTION, FILTER SOCK

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-02

ELIZABETH W. PHILLIPS
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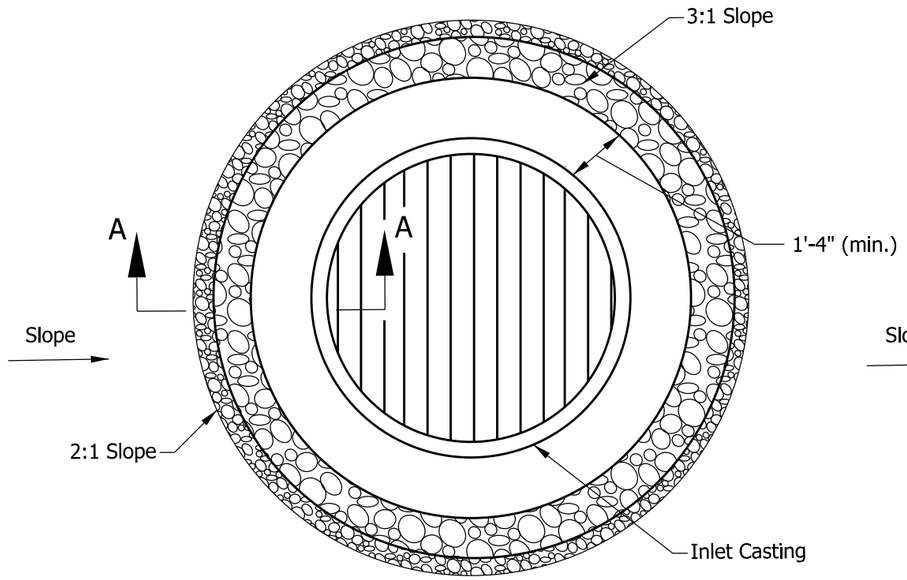
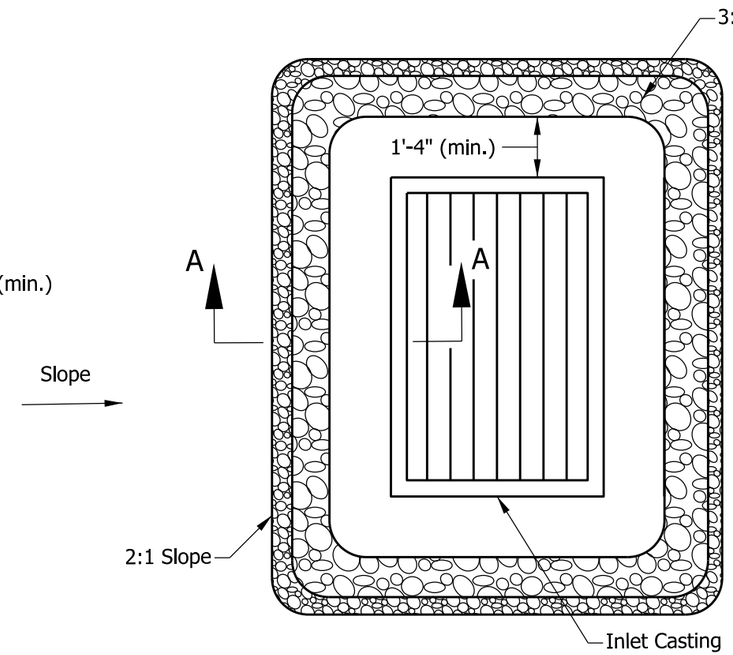
5/2/2019
DESIGN STANDARDS ENGINEER — DATE

5/31/2019
CHIEF ENGINEER — DATE



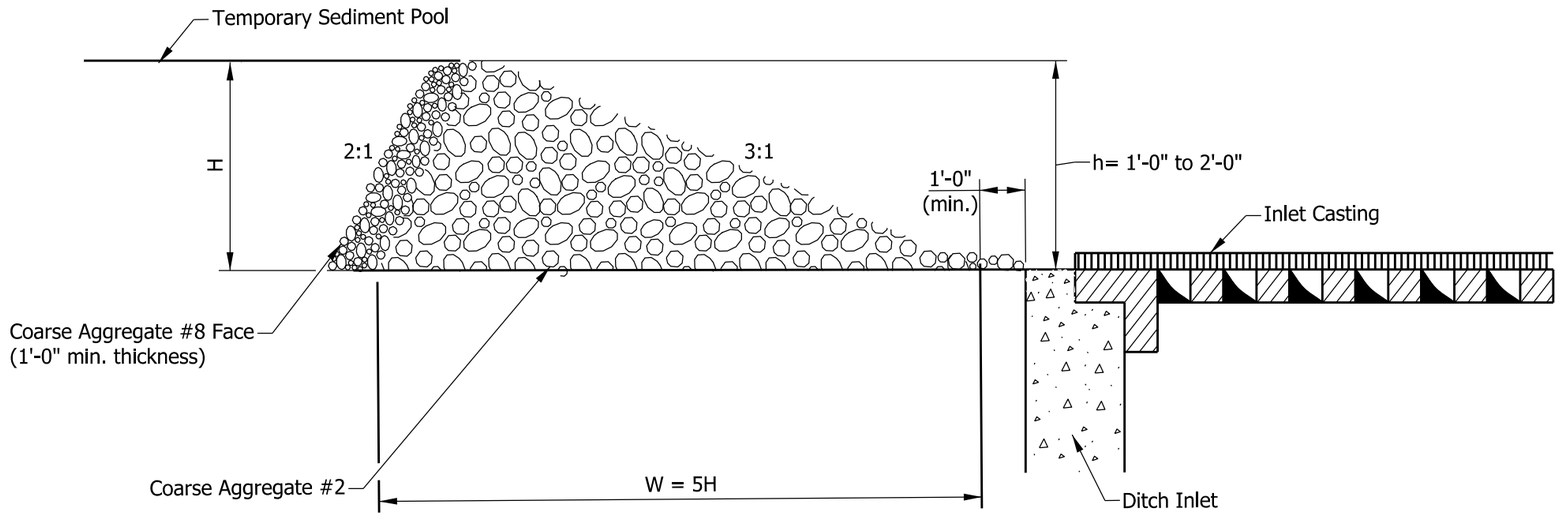
PLAN VIEW



PLAN VIEW

NOTES:

1. H = h + 0.25, ft
2. Weight of coarse aggregate #2, Tons:
   $(6.28/27)(0.67^2 + 2.5H)(1 + 3H + \frac{1}{2}$ inlet width$)(0.6)$
3. Weight of coarse aggregate #8, Tons:
   $(6.28/27)(H)(1 + 4H + \frac{1}{2}$ inlet width$)(0.6)$



SECTION A-A

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY INLET
PROTECTION, GRAVEL RING

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-03

ELIZABETH W. PHILLIPS
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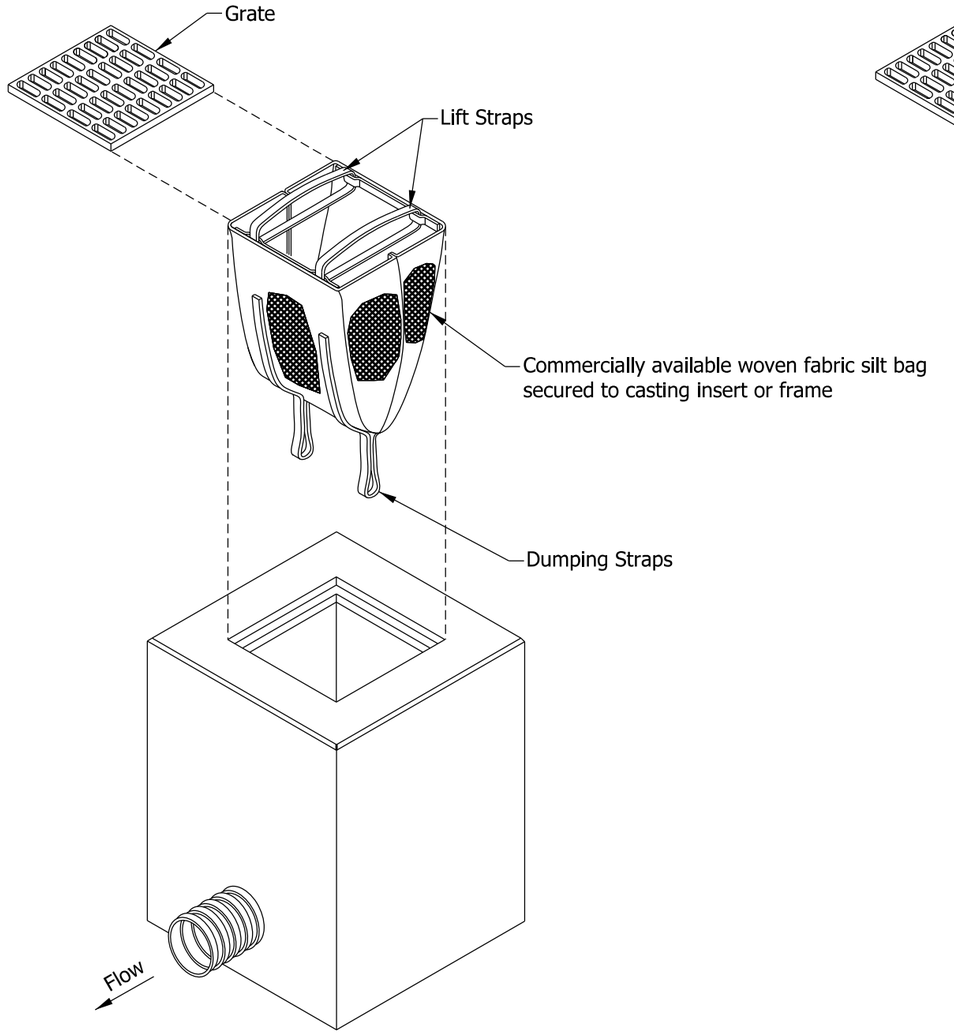
No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
DESIGN STANDARDS ENGINEER DATE

5/31/2019
CHIEF ENGINEER DATE



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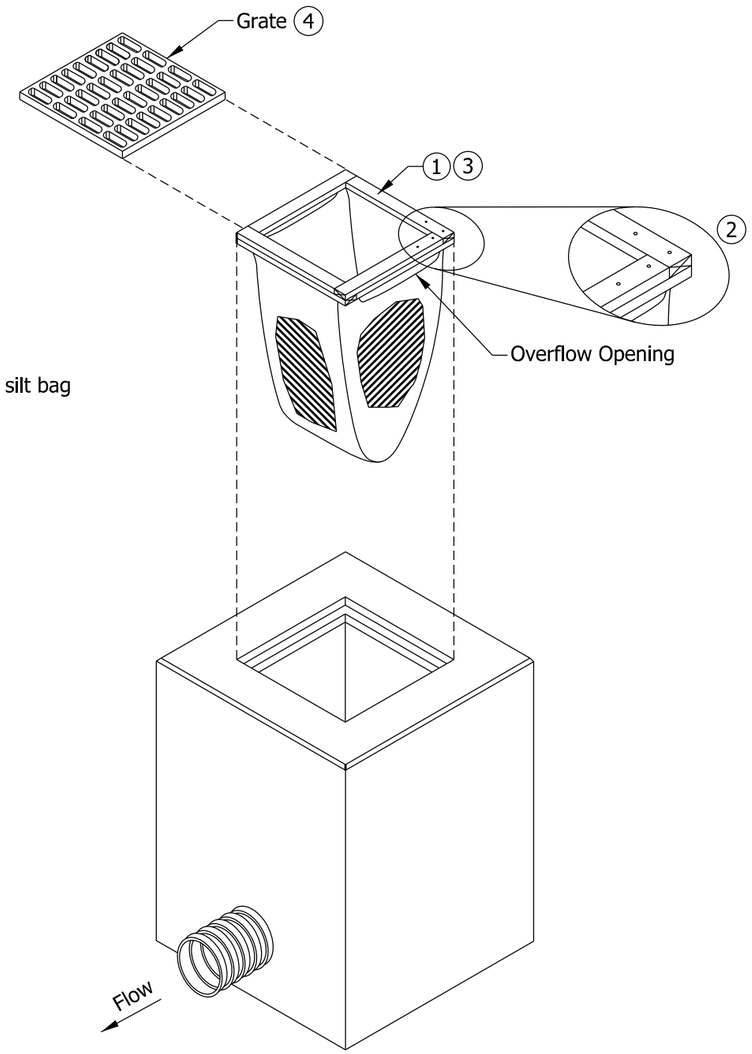

BUILT IN FIELD

NOTES:

1. Frame opening size to match inlet opening.
2. Geotextile bag shall be fabricated from a piece of geotextile 2 times the opening size pushed through the opening to form an overflow opening. Secure by nails.
3. Frame with bag to be placed over inlet opening.
4. Bag frame shall be secured in place by weight of inlet grate. Grate may be rotated 45 degrees to the bag's frame.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY INLET PROTECTION, FILTER BAG INSERT

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-04

ELIZABETH W. PHILLIPS
REGISTERED
No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
DESIGN STANDARDS ENGINEER DATE

5/31/2019
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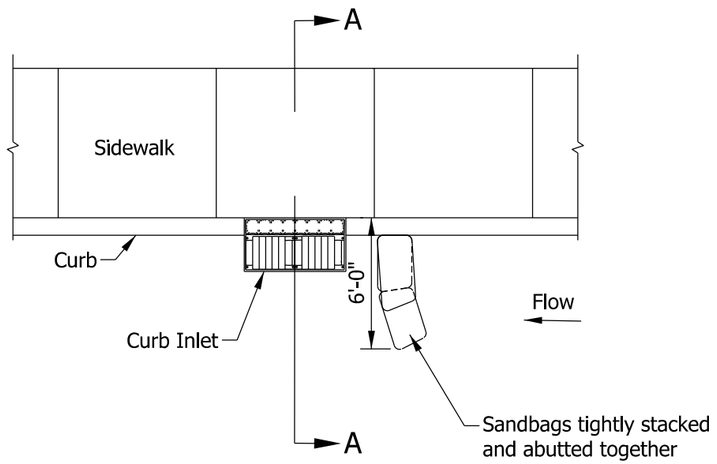
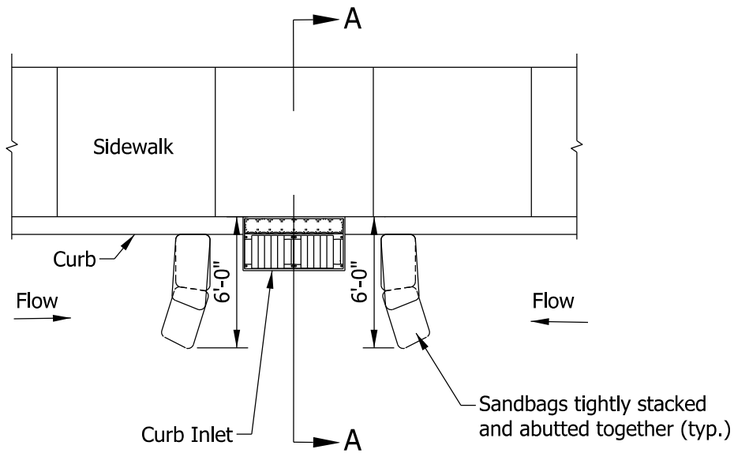


SANDBAG
SINGLE DIRECTION FLOW



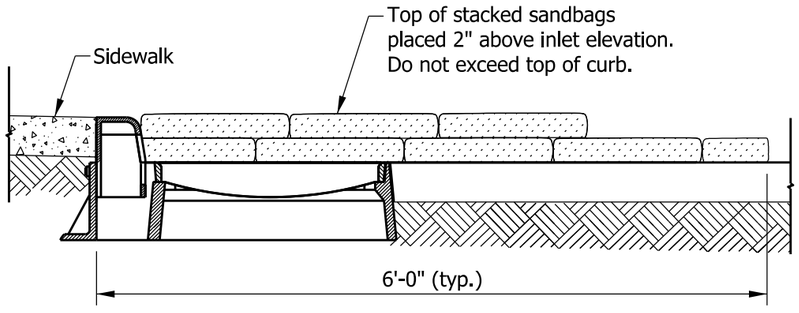
SANDBAG
DUAL DIRECTION FLOW

NOTES:

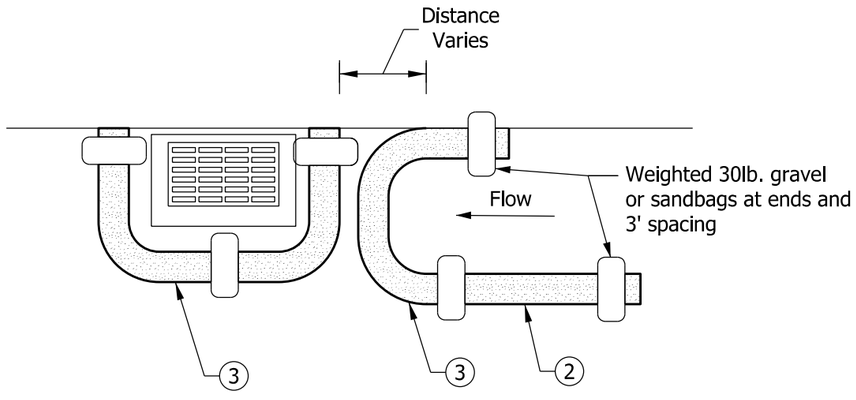
1. Curb inlet protection shall be used within a lane or shoulder only when closed to traffic. Curb inlet protection shall not cause water to encroach upon a lane open to traffic.

(2) May be used in conjunction with drain inlet protection as a best management practice (BMP) in combination with bag or drop inlet protection inserts.

(3) Inlet protection shall be used within a lane or shoulder only when closed to traffic. Inlet protection shall not cause water to encroach upon a lane open to traffic.



SECTION A-A



FILTER SOCK SINGLE OR DUAL
DIRECTION FLOW

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CURB INLET PROTECTION

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-05

ELIZABETH W. PHILLIPS
REGISTERED
No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
DESIGN STANDARDS ENGINEER DATE

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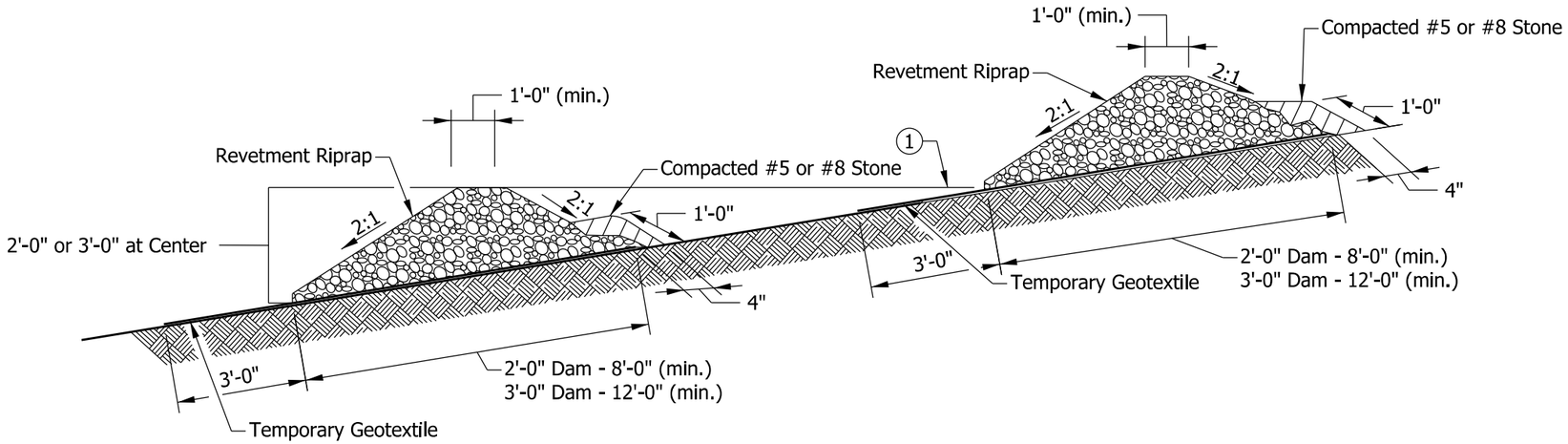
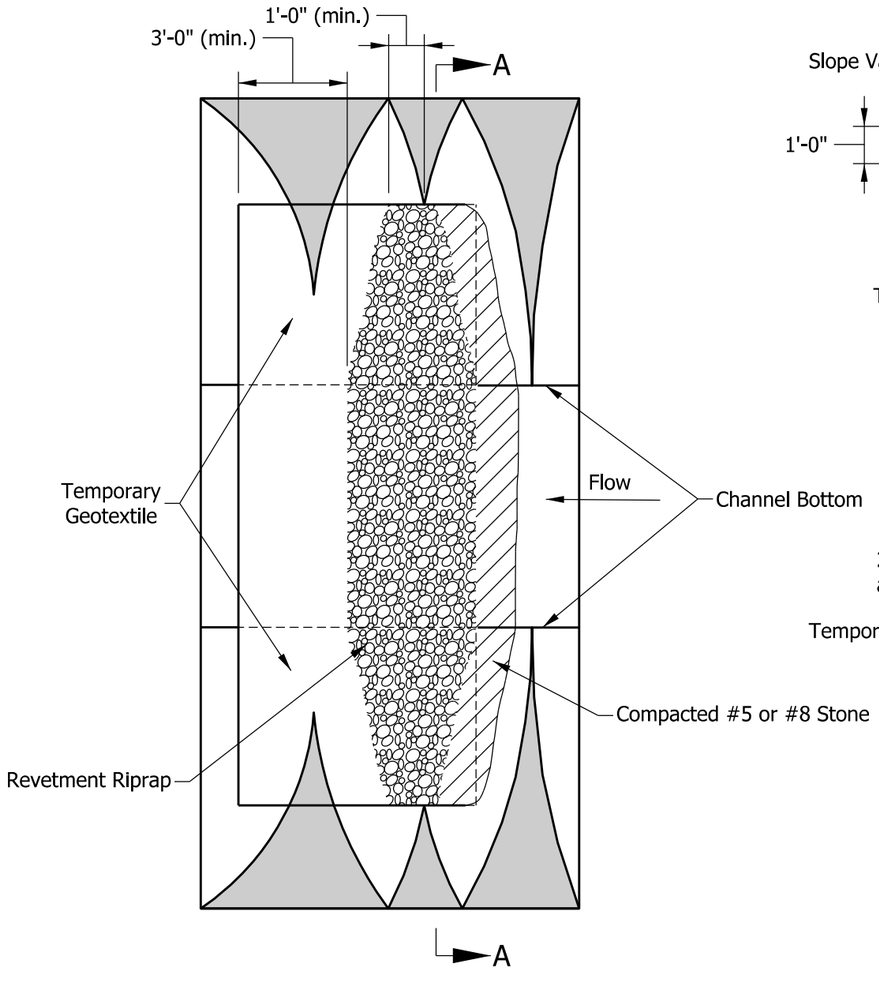


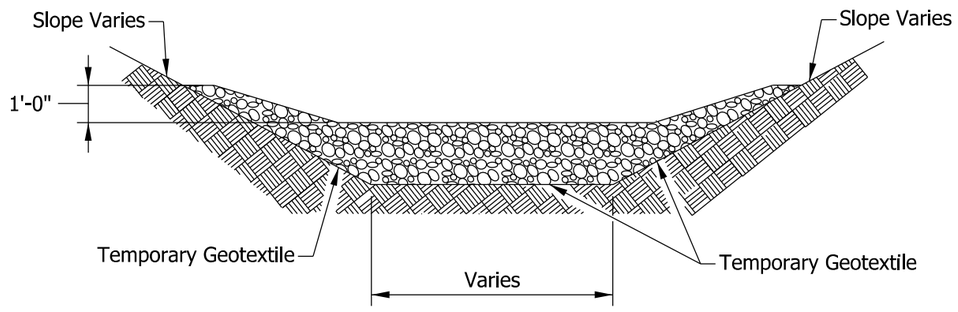
ELEVATION

NOTE:

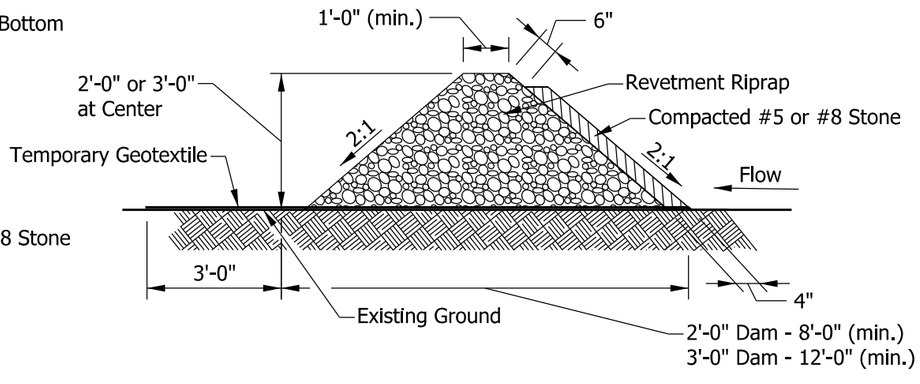
1. Riprap check dams shall be spaced such that the top of the downstream check dam is at the same elevations as the toe of the adjacent upstream check dam.



PLAN



SECTION A-A



MODIFIED CHECK DAM

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CHECK DAM,
REVETMENT RIPRAP

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-06

ELIZABETH W. PHILLIPS
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No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
DESIGN STANDARDS ENGINEER DATE

5/31/2019
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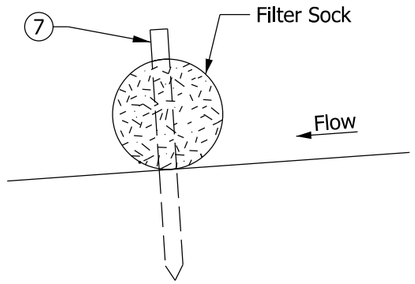
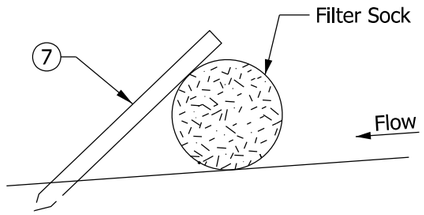
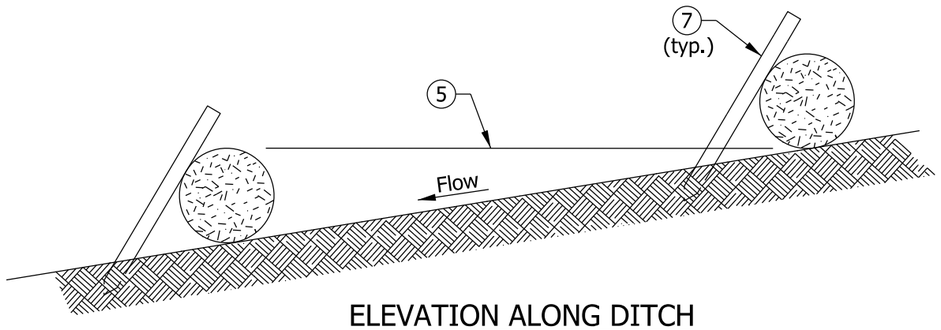


STAKE THROUGH SECURING METHOD



SLANTED STAKE SECURING METHOD



ELEVATION ALONG DITCH

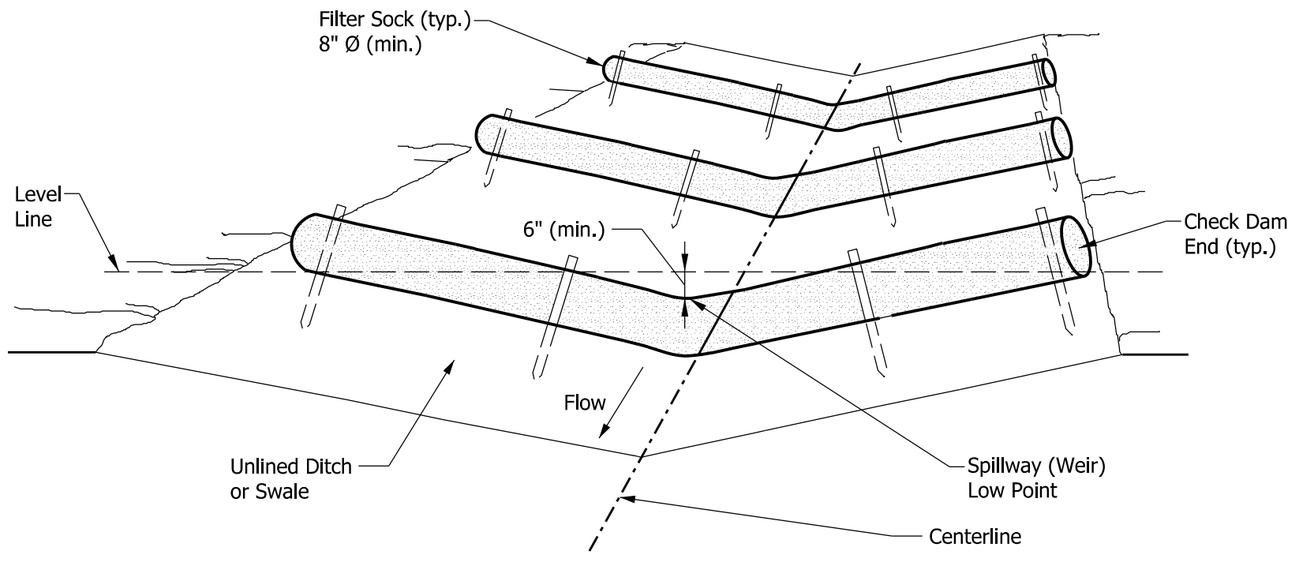
NOTES:

1. Fiber roll may be substituted for filter sock.
2. Check dams shall be placed perpendicular to the flow of water.
3. Check dam ends shall be positioned as shown such that storm water flows over the weir low point and does not flow around the ends.
4. Check dams shall remain in place until all upstream areas become stable.

(5) Check dams shall be spaced such that the top of the downstream check dam is at the same elevation as the toe of the adjacent upstream check dam.

6. Filter sock shall be shall be secured as shown or in accordance with the manufacturer's instructions.

(7) Stake angle and length shall be sufficient to wedge filter sock to the ground to prevent movement and undercutting.



ISOMETRIC VIEW

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CHECK DAM,
TRAVERSABLE, LOW PROFILE

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-07

ELIZABETH W. PHILLIPS
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No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
DESIGN STANDARDS ENGINEER DATE

5/31/2019
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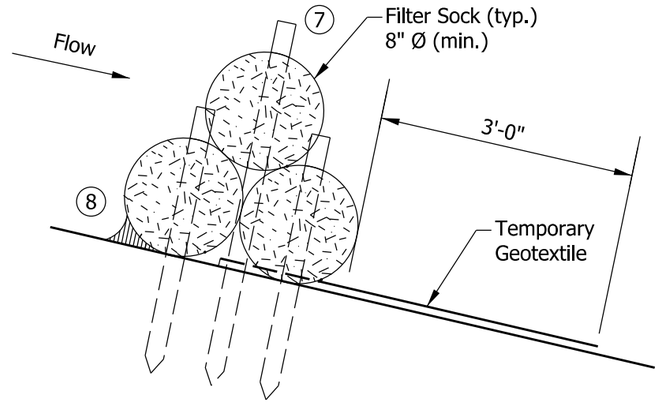
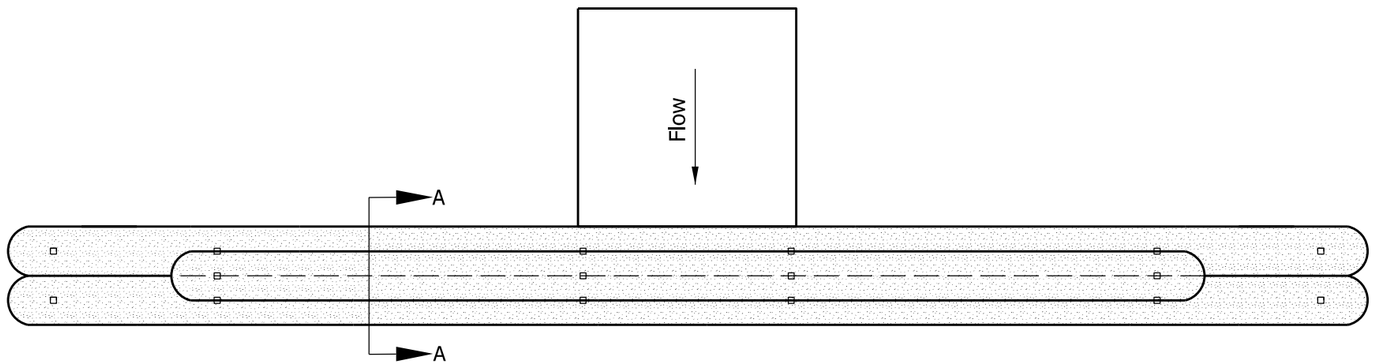
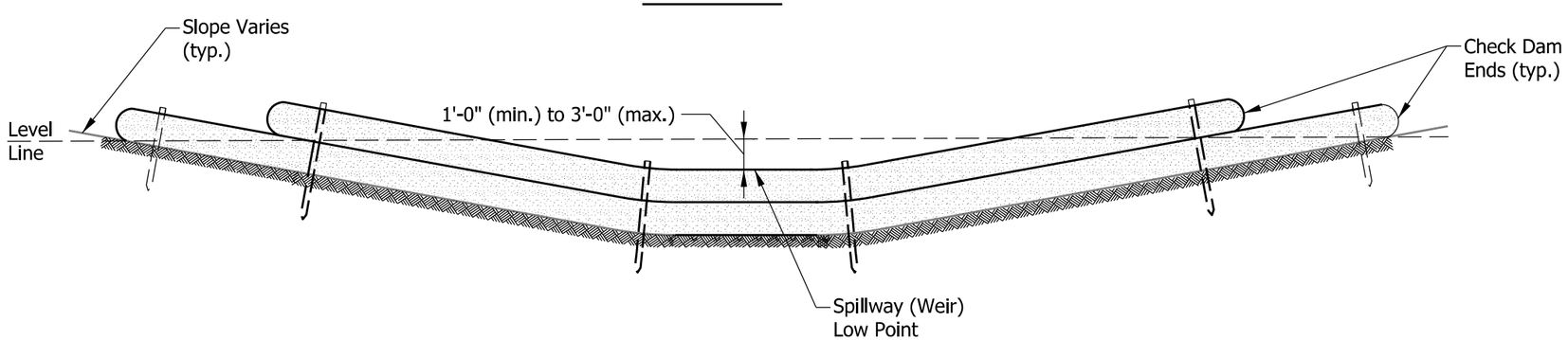


SECTION A-A



TRAVERSABLE CHECK DAM
PLAN VIEW



TRAVERSABLE CHECK DAM
ELEVATION

NOTES:

1. Fiber roll may be substituted for filter sock.
2. Check dams shall be placed perpendicular to the flow of water.
3. Check dam ends shall be positioned as shown such that storm water flows over the weir low point and does not flow around the ends.
4. Check dams shall remain in place until all upstream areas become stable.
5. Check dams shall be spaced such that the top of the downstream check dam is at the same elevation as the toe of the adjacent upstream check dam.
6. Filter sock shall be shall be secured as shown or in accordance with the manufacturer's instructions.

(7) Stake length shall be sufficient to wedge filter sock to the ground to prevent movement and undercutting.

(8) When undercutting is identified, compacted #5 or #8 stone shall be placed as shown.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY CHECK DAM,
TRAVERSABLE

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-08

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No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
DESIGN STANDARDS ENGINEER — DATE

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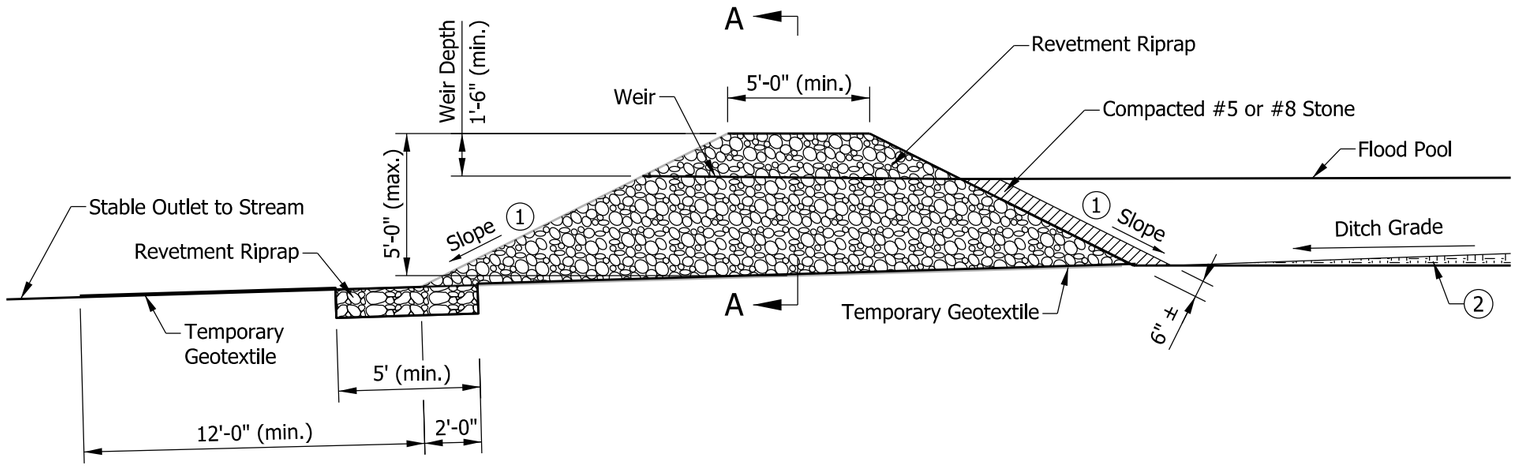
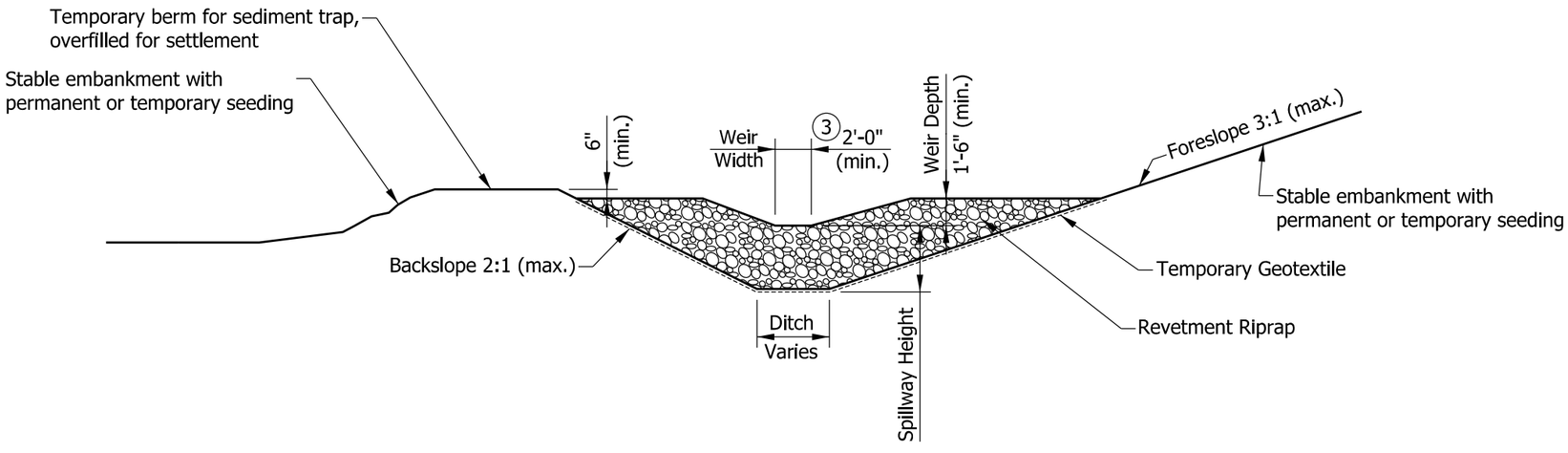
CHIEF ENGINEER — DATE



ELEVATION VIEW



SECTION A-A

NOTES:

1. Slope should be 3:1 maximum on the near side with respect to the direction of traffic while the far side slope may be 2:1 maximum.
2. This area may be excavated below proposed ditch grade to achieve sediment trap capacity. Area shall not be excavated below the bottom elevation of sediment trap riprap. Over-excavation does not count toward trap capacity of 2-year, 24-hour storm event.
3. Weir width equals ditch bottom width, minimum 2ft.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY SEDIMENT TRAP

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-09

ELIZABETH W. PHILLIPS
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No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
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5/31/2019
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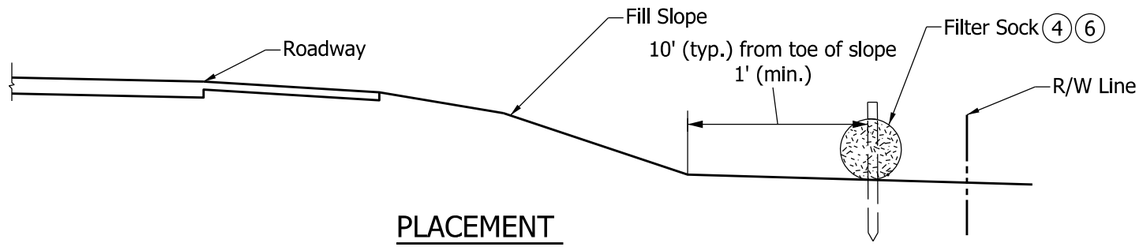
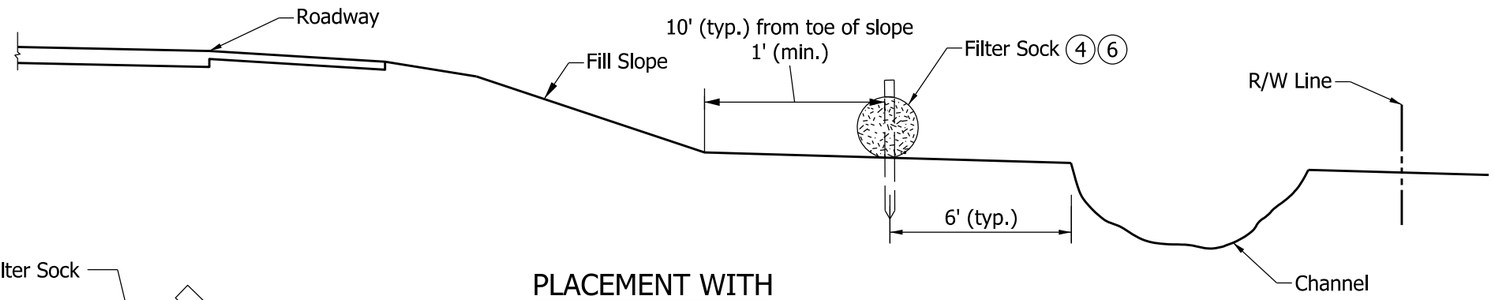
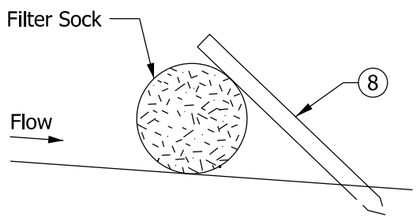


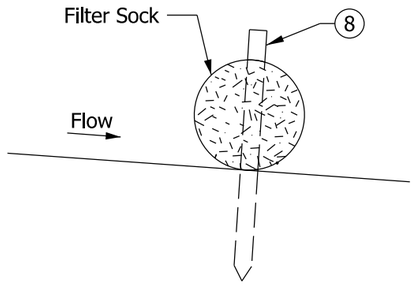
PLACEMENT
RELATIVE TO RIGHT-OF-WAY LINE



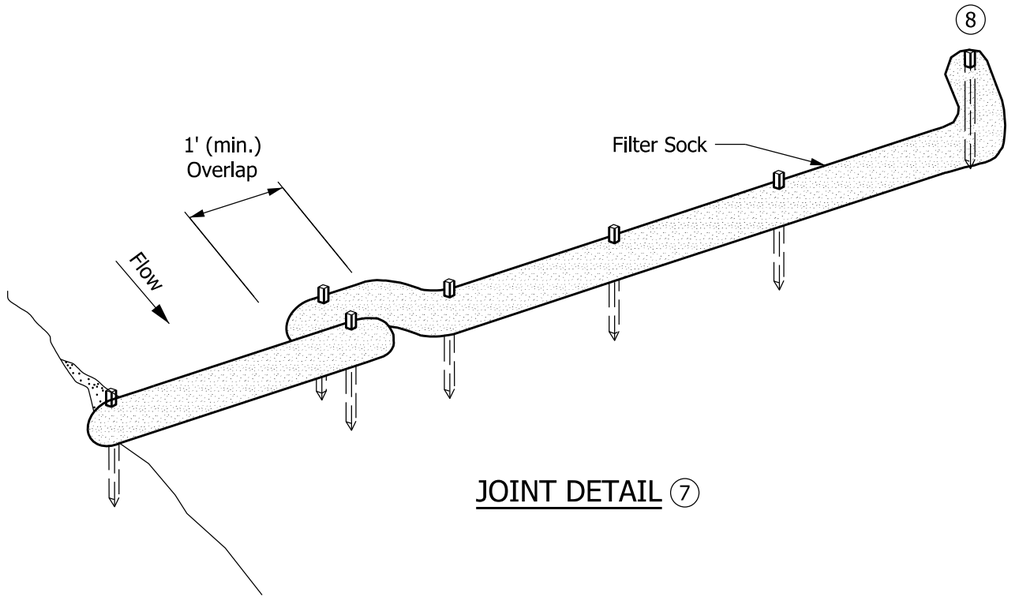
PLACEMENT WITH
CHANNEL IN RIGHT OF WAY



SLANTED STAKE
SECURING METHOD



STAKE THROUGH
SECURING METHOD



JOINT DETAIL 7

NOTES:

1. Fiber roll may be substituted for filter sock.
2. Filter sock shall be installed as shown or in accordance with manufacturer's recommendations.
3. Filter sock diameter shall be as required by design based on watershed area.

(4) Filter sock shall be placed perpendicular to the flow of water.

5. Filter sock shall be secured as shown or in accordance with the manufacturer's instructions.

(6) Filter sock does not require staking when fill slope is less than or equal to 12%, except when fill slope is below the Q_{100} water surface elevation and flood prone area.

(7) Filter socks shall be secured in locations below the Q_{100} water surface elevation and flood prone location. Filter sock end shall be secured using the stake through method. Intermediate points may be secured using either the stake through or slanted stake method.

(8) Stake angle and length shall be sufficient to wedge filter sock to the ground to prevent movement and undercutting.

INDIANA DEPARTMENT OF TRANSPORTATION

PERIMETER PROTECTION,
FILTER SOCK

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-10

ELIZABETH W. PHILLIPS
REGISTERED
No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
DESIGN STANDARDS ENGINEER DATE

5/31/2019
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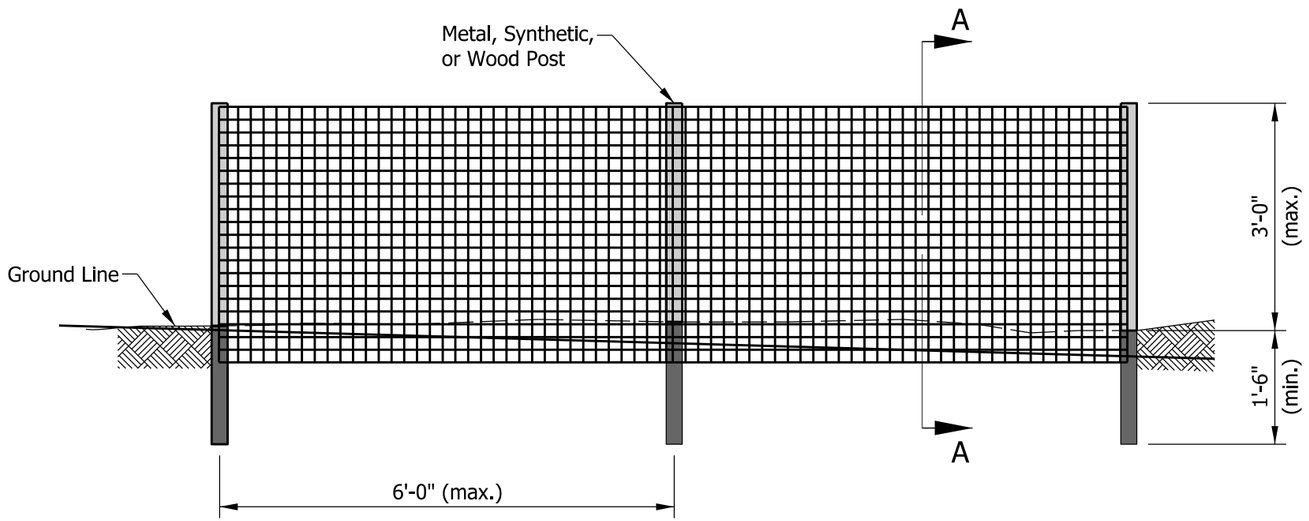
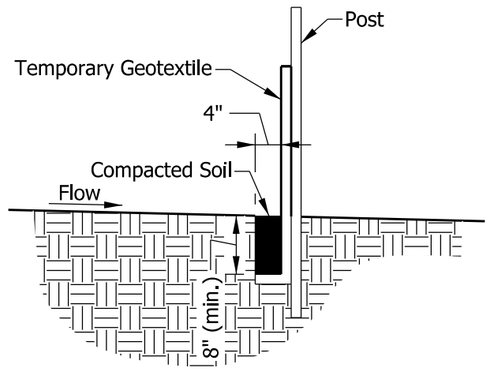


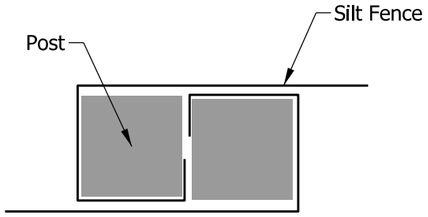
ELEVATION

NOTES:

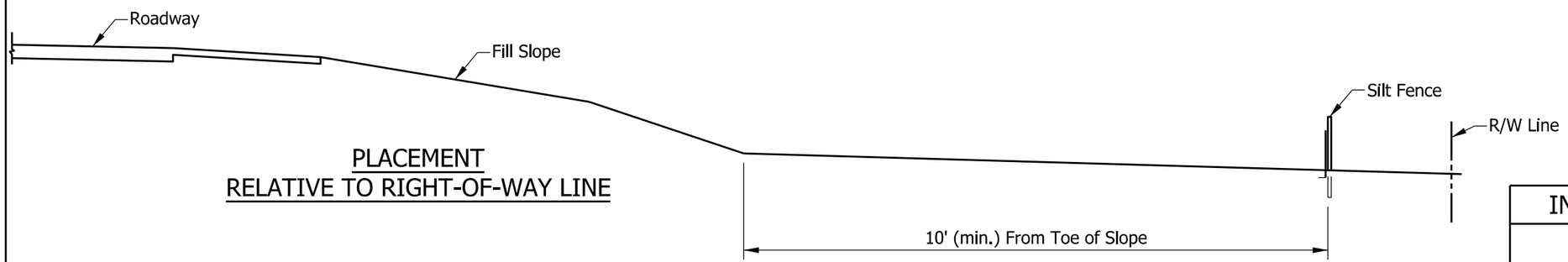
1. Dimensions will vary based on right-of-way availability. Silt fence shall be placed as close as possible to the edge of construction limits.
2. The spacing of the tiebacks shall equal the spacing of the posts. Additional post depth or tiebacks may be required in unstable soils
3. Filter Sock shall be used instead of silt fence at or below Q_{100}.



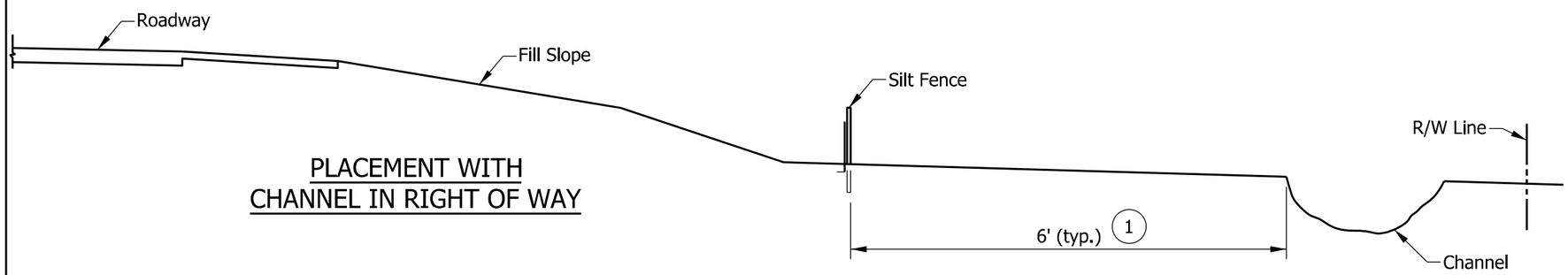
SECTION A-A



JOINT DETAIL
PLAN VIEW



PLACEMENT
RELATIVE TO RIGHT-OF-WAY LINE



PLACEMENT WITH
CHANNEL IN RIGHT OF WAY

INDIANA DEPARTMENT OF TRANSPORTATION

PERIMETER PROTECTION,
SILT FENCE

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-11

ELIZABETH W. PHILLIPS
REGISTERED
No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
DESIGN STANDARDS ENGINEER DATE

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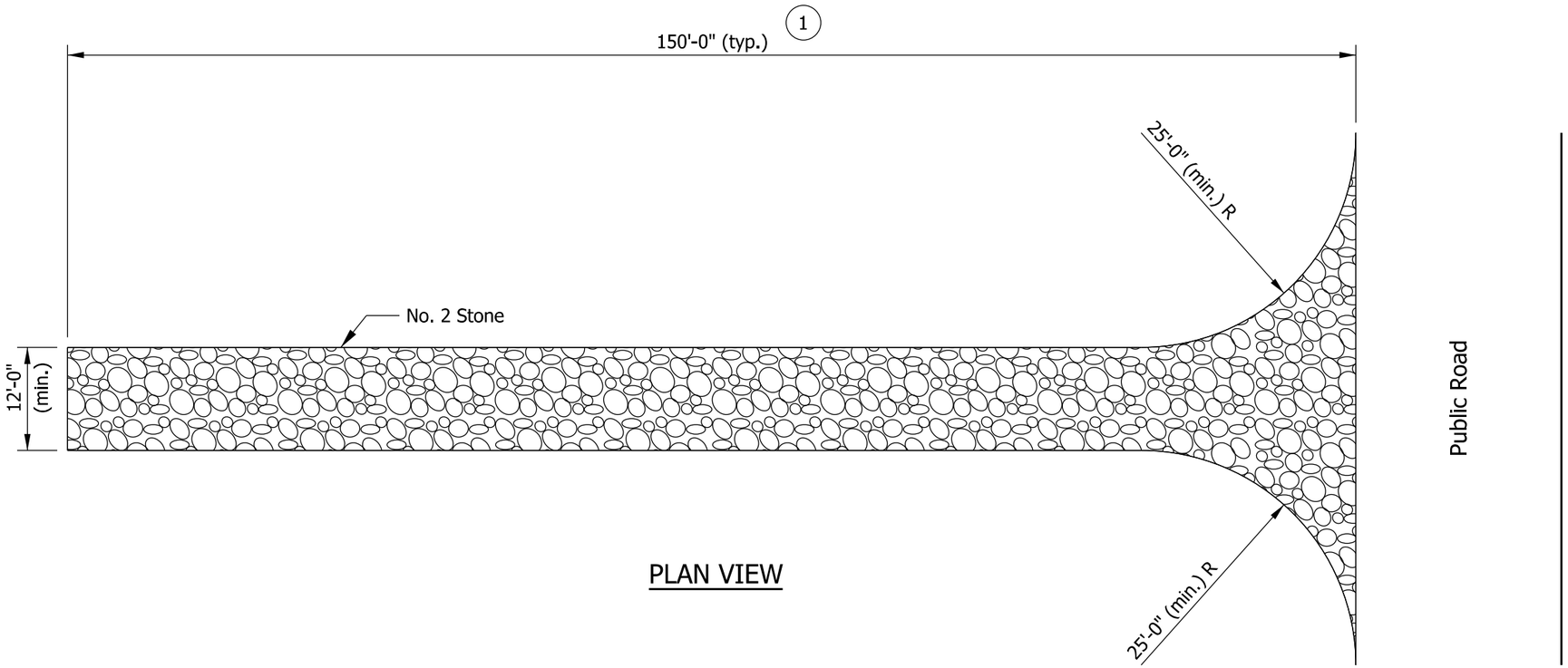
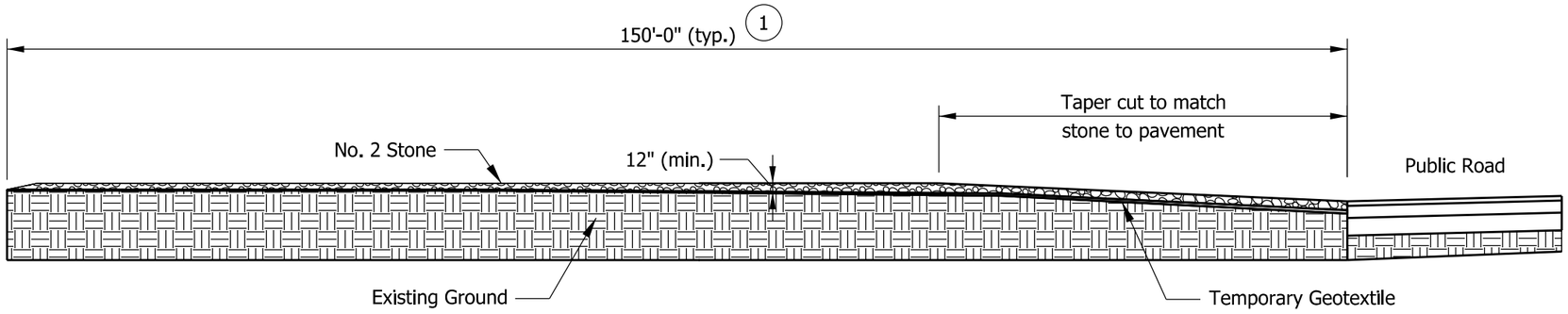


PLAN VIEW



PROFILE VIEW

NOTE:

(1) May be reduced as justified by site conditions, but shall not be less than 50 ft.

INDIANA DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION CONTROL PERIMETER CONSTRUCTION ENTRANCE

SEPTEMBER 2019

STANDARD DRAWING NO. E 205-TECD-12

ELIZABETH W. PHILLIPS
REGISTERED
No. 10200124
STATE OF INDIANA
PROFESSIONAL ENGINEER

5/2/2019
DESIGN STANDARDS ENGINEER — DATE

5/31/2019
CHIEF ENGINEER — DATE