

Storm Water

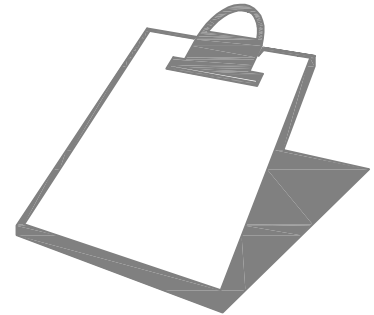


AWARENESS!

CITY OF WEST MEMPHIS

The City of West Memphis requires that construction contractors implement Best Management Practices on sites to prevent polluted runoff and eroded soil from entering storm drains. Debris and chemicals can flow into local waterways through the storm drain system. This type of pollution is harmful to both humans and natural ecosystems. See detail for a quick-reference guide to the maintenance requirements related to pollution prevention planning.

City of West Memphis Storm Water Program
(870) 732 - 7500



MAINTENANCE

Name of the person responsible for erosion control checks:

- ✓ All erosion control and sediment removal structures must be in place and operational by the end of each work day.
- ✓ Keep mud out of roads. Most construction site complaints are caused by dirt in the road! It is the responsibility of the contractor/developer to keep roads clean!
- ✓ All deposited soil must be removed and returned to the site to restore the sediment removal capacity.

Storm water runoff flows into storm drains located in the streets. In most cases, it goes directly to our streams, lakes and rivers.

Storm Water

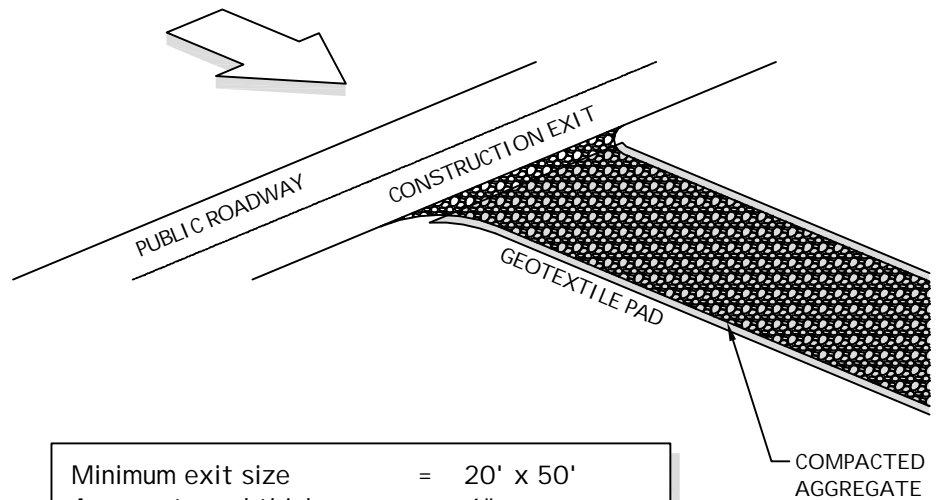


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Locate the exit, so that it slopes into the construction site. If not, then silt fence may be needed to retain soil on site.



Minimum exit size = 20' x 50'
Aggregate pad thickness = 6"
Minimum aggregate size = 1.5"
(Place geotextile fabric under the aggregate to increase effectiveness and life of aggregate.)

CONSTRUCTION EXIT

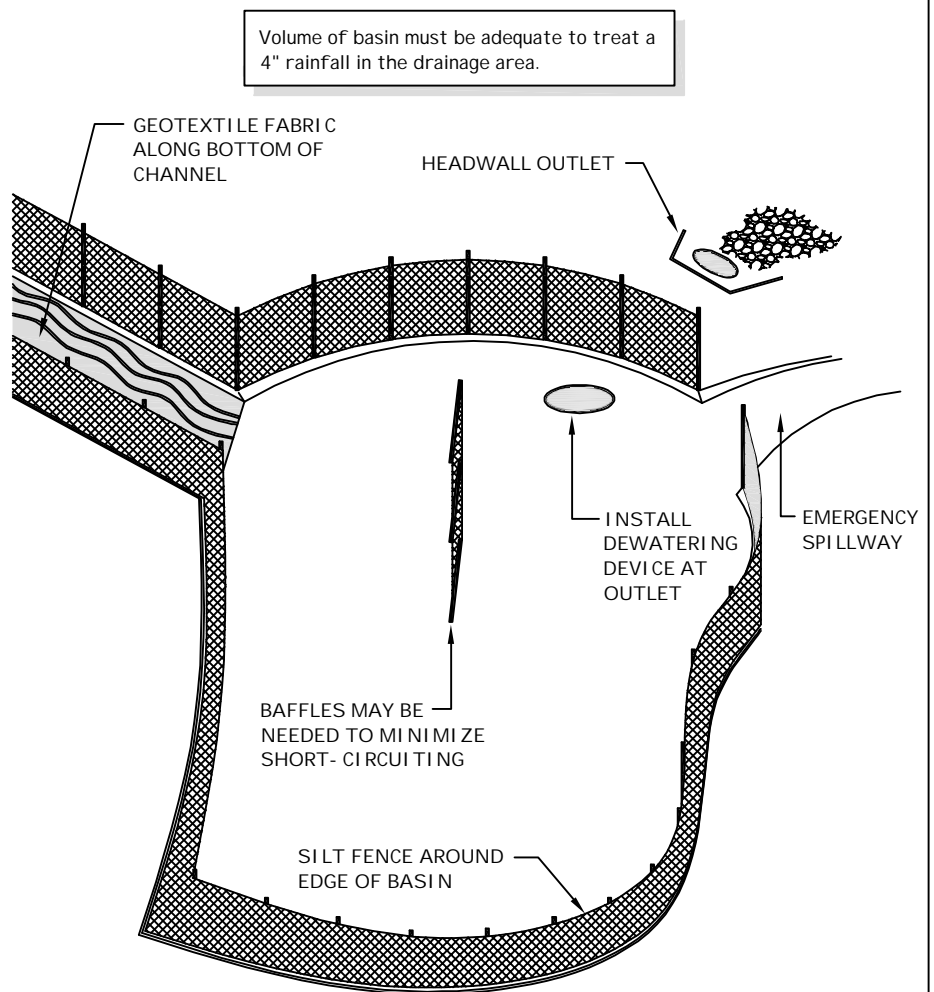
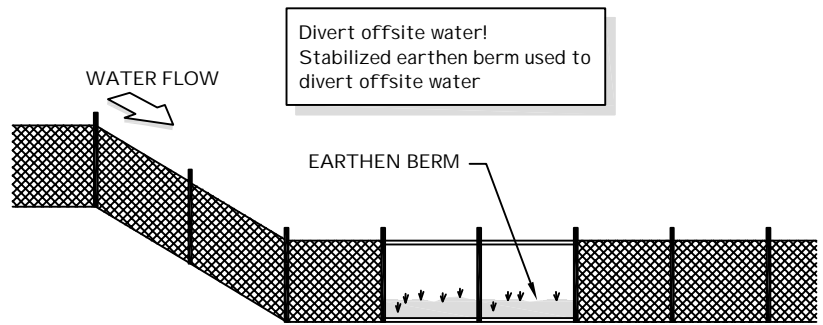
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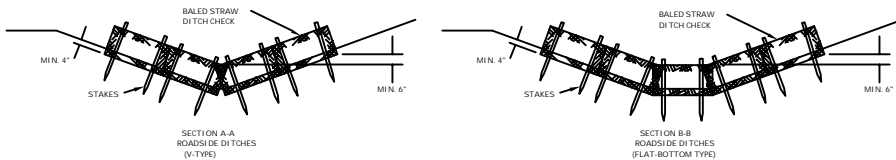
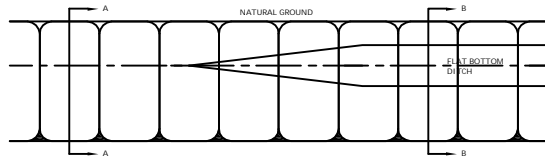
SEDIMENT BASIN

(required for drainage areas larger than 10 acres)

Storm water runoff flows into storm drains located in the streets. In most cases, it goes directly to our streams, lakes and rivers.

GENERAL NOTES

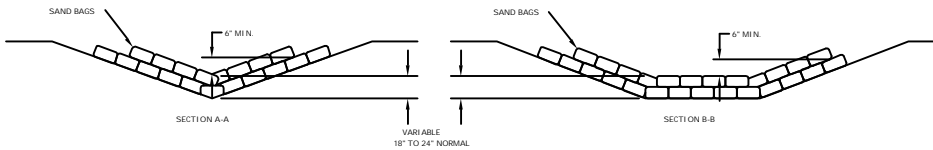
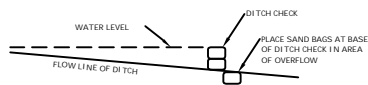
1. STRAW BALES SHALL BE INSTALLED SO THAT THE BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES. THE BALES SHALL BE A MINIMUM OF 30 INCHES IN LENGTH.
2. STRAW BALES SHALL BE KEYED INTO SOIL A MINIMUM OF 4 INCHES AND NO GAPS SHALL BE LEFT BETWEEN BALES.



BALES STRAW DITCH CHECK

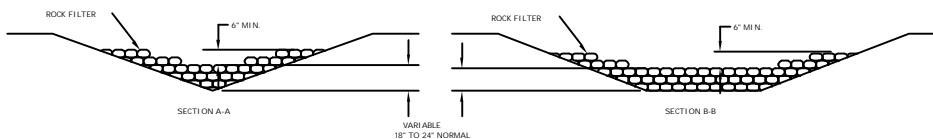
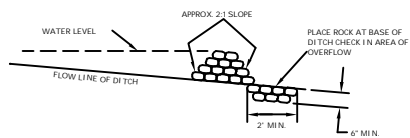
N.T.S.

NUMBER OF SAND BAGS AND ARRANGEMENT VARIABLE WITH ON-SITE CONDITIONS.



SAND BAG DITCH CHECK

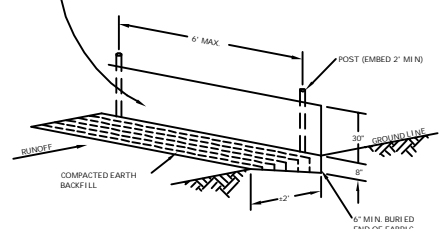
N.T.S.



ROCK DITCH CHECK

N.T.S.

GEOTEXTILE FABRIC (TYPE 4) IN ACCORDANCE WITH SECTION 625



GENERAL NOTES

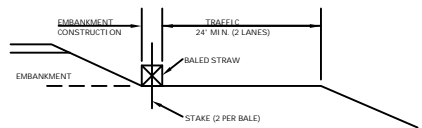
1. GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST, OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.

SILT FENCE

N.T.S.

NOTES

1. STRAW BALES SHOULD BE INSTALLED SO THAT THE BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES. THE BALES SHALL BE A MINIMUM OF 30 INCHES IN LENGTH.
2. NO GAPS SHALL BE LEFT BETWEEN BALES.
3. BALED STRAW FILTER BARRIERS COMPLETED AND ACCEPTED WILL BE MEASURED BY THE BALE IN PLACE AS AUTHORIZED BY THE ENGINEER AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER BALE FOR BALED STRAW DITCH CHECKS.

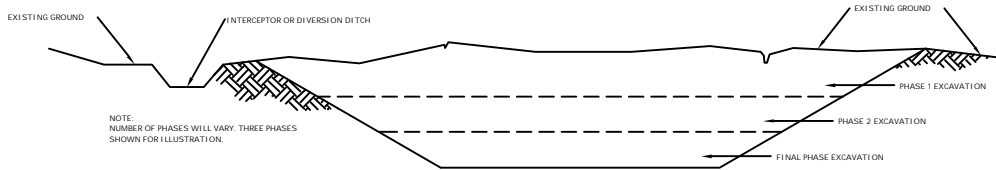


BALED STRAW FILTER BARRIER

N.T.S.

BEST MANAGEMENT PRACTICES

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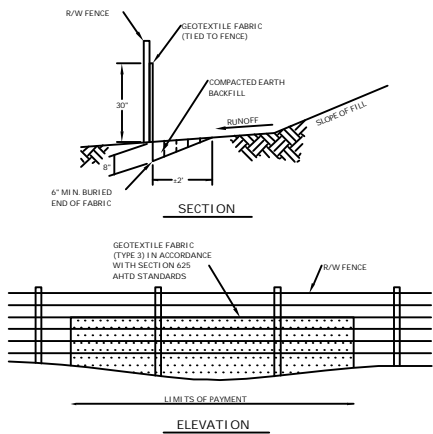


GENERAL NOTE:
ALL CUT SLOPES SHALL BE DRESSED, PREPARED, SEEDING, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE EXCAVATED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

- CONSTRUCTION SEQUENCE:
1. EXCAVATE AND STABILIZE INTERCEPTOR AND/OR DIVERSION DITCHES.
 2. PERFORM PHASE 1 EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING.
 3. PERFORM PHASE 2 EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING.
 4. PERFORM FINAL PHASE OF EXCAVATION. PLACE PERMANENT OR TEMPORARY SEEDING. STABILIZE DITCHES. CONSTRUCT DITCH CHECKS, DIVERSION DITCHES, SEDIMENT BASINS, OR OTHER EROSION CONTROL DEVICES AS REQUIRED.

EXCAVATION

N.T.S.

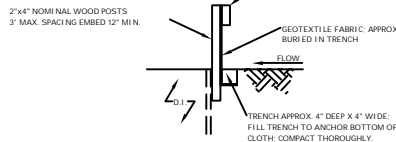
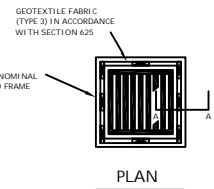
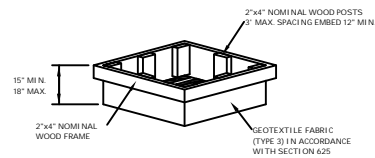


GENERAL NOTES

GEOTEXTILE FABRIC SHALL BE SPLICED TOGETHER WITH A SEWN SEAM ONLY AT A SUPPORT POST, OR TWO SECTIONS OF FENCE MAY BE OVERLAPPED INSTEAD. PAYMENT OF ADDITIONAL MATERIAL FOR OVERLAP WILL NOT BE MADE.

SILT FENCE ON R/W FENCE

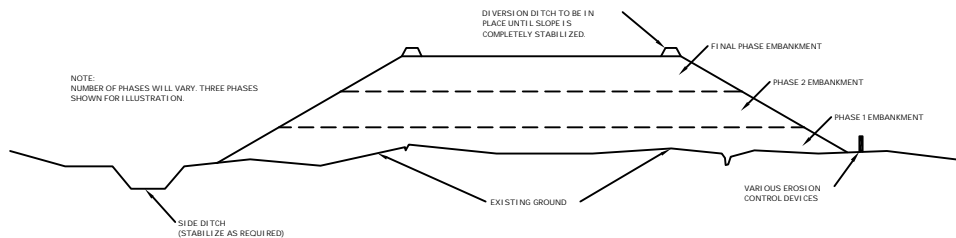
N.T.S.



SECTION A-A

DROP INLET SILT FENCE

N.T.S.



GENERAL NOTE:
ALL EMBANKMENT SLOPES SHALL BE DRESSED, PREPARED, SEEDING, AND MULCHED AS THE WORK PROGRESSES. SLOPES SHALL BE CONSTRUCTED AND STABILIZED IN EQUAL INCREMENTS NOT TO EXCEED 25 FEET, MEASURED VERTICALLY.

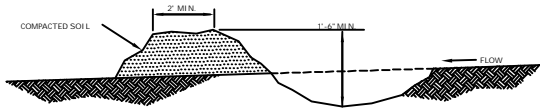
- CONSTRUCTION SEQUENCE:
1. CONSTRUCT DIVERSION DITCHES, DITCH CHECKS, SEDIMENT BASINS, SILT FENCES, OR OTHER EROSION CONTROL DEVICES AS SPECIFIED.
 2. PLACE PHASE 1 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
 3. PLACE PHASE 2 EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PROVIDE DIVERSION DITCHES AND SLOPE DRAINS IF EMBANKMENT CONSTRUCTION IS TO BE TEMPORARILY ABANDONED FOR A PERIOD OF GREATER THAN 21 DAYS.
 4. PLACE FINAL PHASE OF EMBANKMENT WITH PERMANENT OR TEMPORARY SEEDING. PLACE DIVERSION DITCHES AND SLOPE DRAINS AND MAINTAIN UNTIL ENTIRE SLOPE IS STABILIZED.

EMBANKMENT

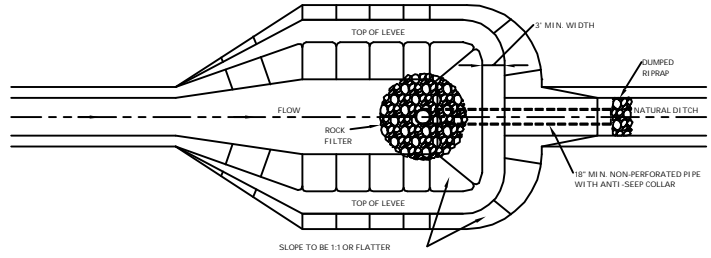
N.T.S.

BEST MANAGEMENT PRACTICES

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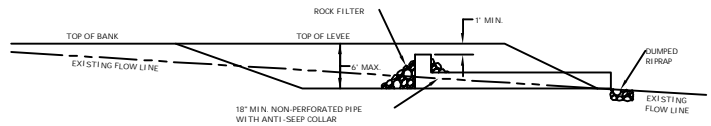


DIVERSION DITCH
N.T.S.



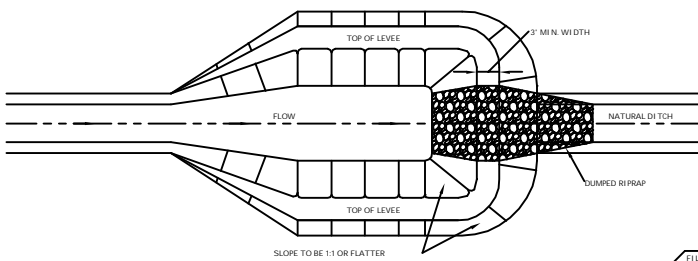
PLAN

NOTE:
SIZE OF BASIN TO BE DETERMINED BY VOLUME
REQUIRED, HOWEVER A MINIMUM LENGTH-TO-WIDTH
RATIO OF 2:1 SHALL BE USED.



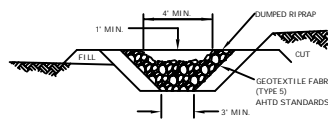
SECTION OF FLOW LINE

SEDIMENT BASIN WITH PIPE OUTLET
N.T.S.

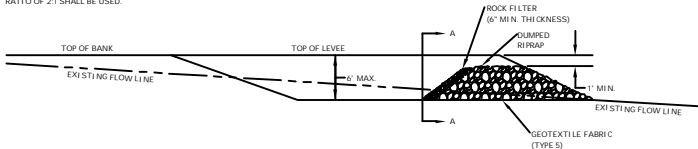


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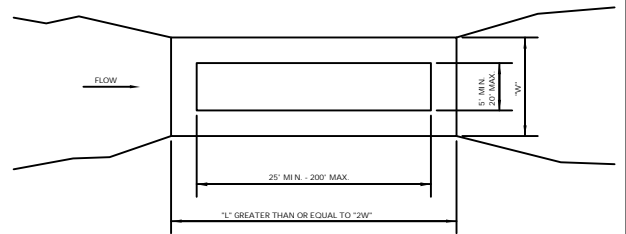


SECTION A-A

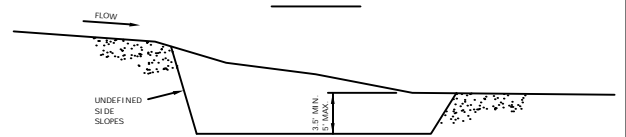


SECTION OF FLOW LINE

SEDIMENT BASIN WITH RIPRAP OUTLET
N.T.S.

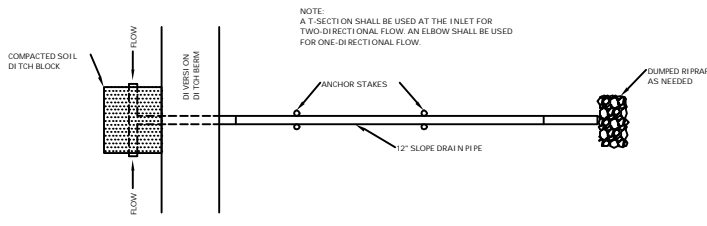


PLAN



PROFILE

SEDIMENT BASIN
N.T.S.



SLOPE DRAIN
N.T.S.

NOTE:
EXTEND DRAIN AS REQUIRED
TO COINCIDE WITH HEIGHT OF
FINISHED EMBANKMENT.

BEST MANAGEMENT PRACTICES

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