

Engineering Department
Manual Of
Practice



Life. Well Crafted.

100 Erosion/Sedimentation Control

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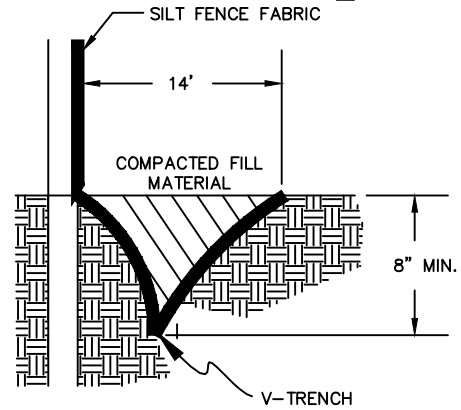
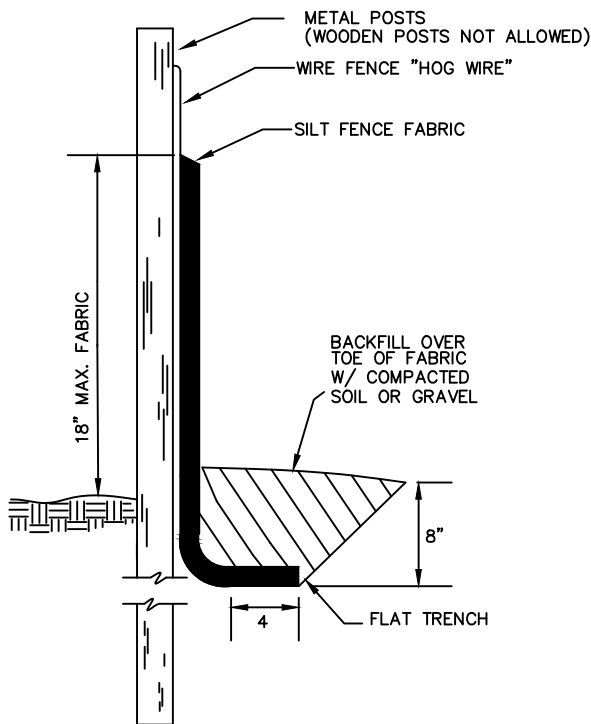
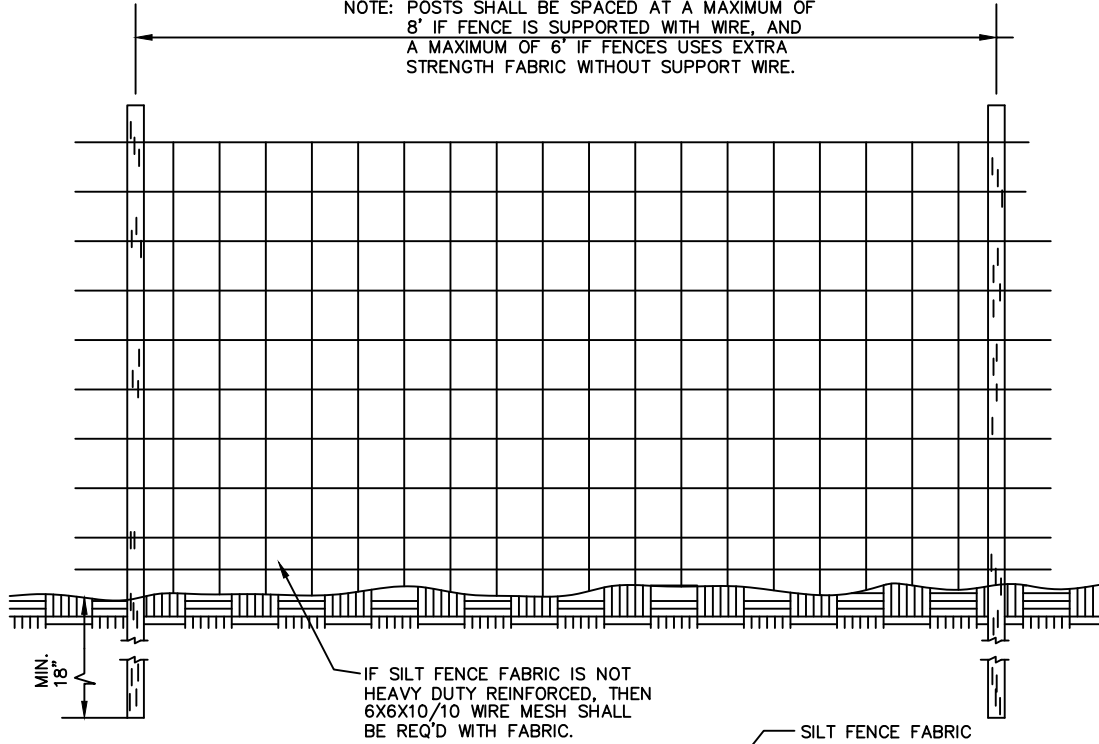


CITY OF HICKORY
GENERAL NOTES FOR
EROSION/SEDIMENTATION CONTROL

DATE:
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STD. NO.
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NOTE: POSTS SHALL BE SPACED AT A MAXIMUM OF 8' IF FENCE IS SUPPORTED WITH WIRE, AND A MAXIMUM OF 6' IF FENCES USES EXTRA STRENGTH FABRIC WITHOUT SUPPORT WIRE.



ALTERNATE TRENCHING DETAIL

GENERAL NOTES

- 1) FENCE FABRIC SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
- 2) SILT FENCE FABRIC SHALL BE SYNTHETIC OR OTHER APPROVED MATERIAL MEETING AN 85% MIN. FILTERING EFFICIENCY AND MIN. 30 LB./ LIN IN TENSILE STRENGTH WITH A MIN 6 MONTH EXPECTED USEABLE CONSTRUCTION LIFE. INSTALL FABRIC IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 3) STEEL POST SHALL BE THE SELF-FASTENER ANGLE STEEL TYPE.
- 4) BACKFILL OVERTOP OF FABRIC SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR

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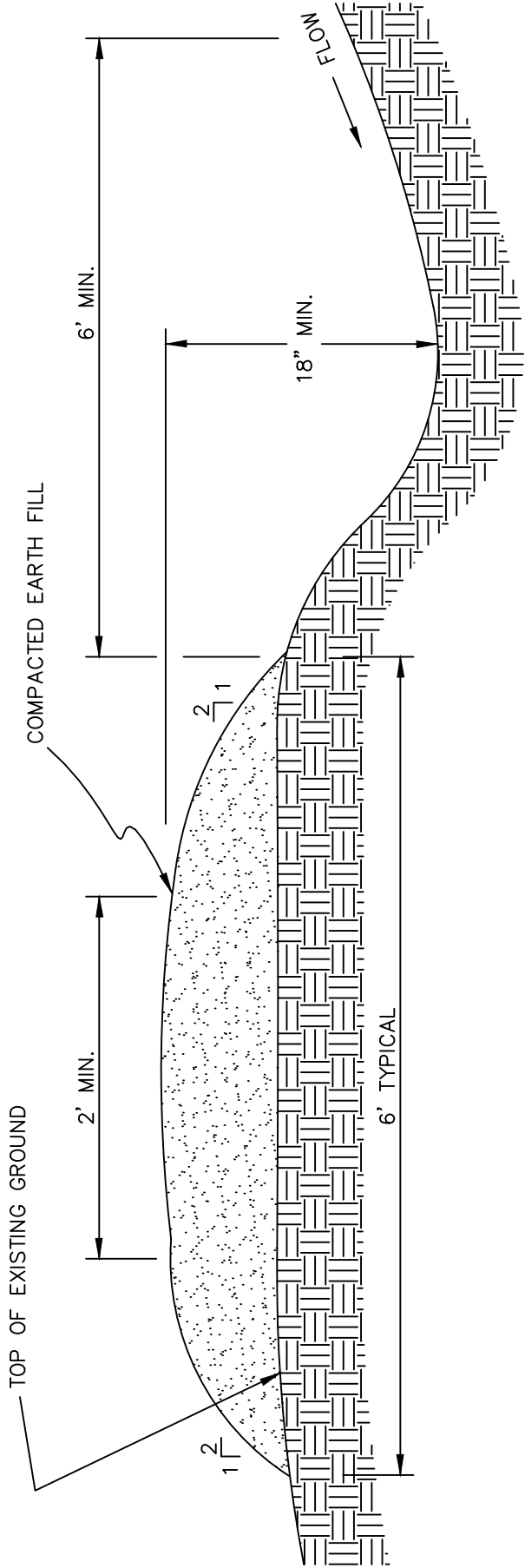


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TEMPORARY SILT FENCE

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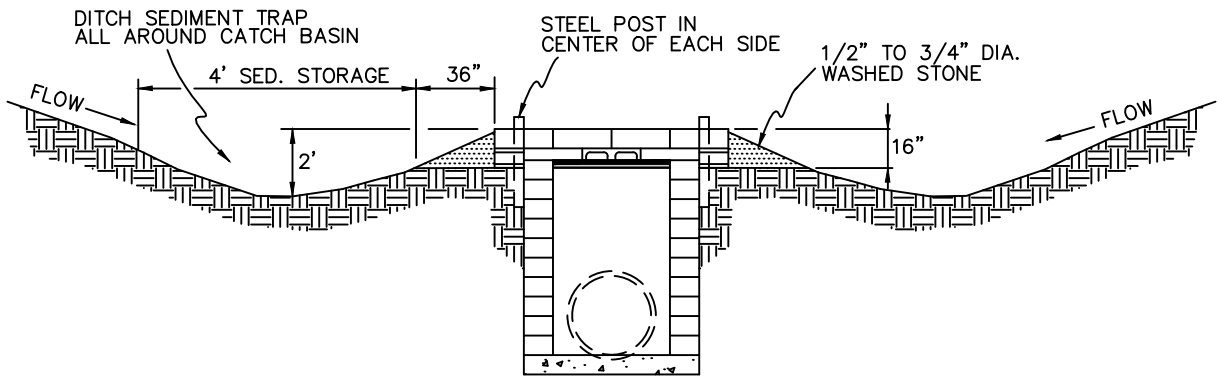
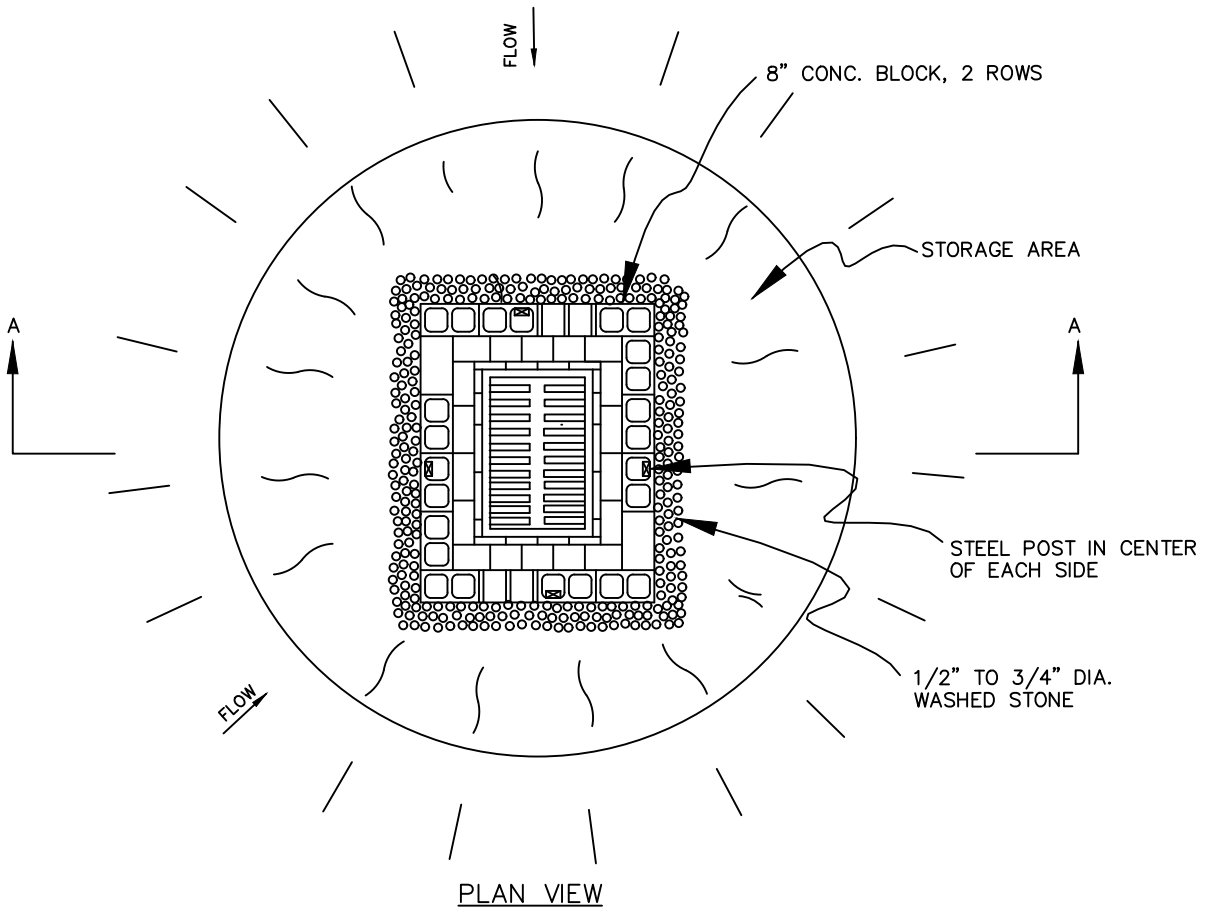
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CITY OF HICKORY

TEMPORARY DIVERSION
CROSS-SECTION

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GENERAL NOTES:

SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.

CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.

THE SEDIMENT TRAP SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

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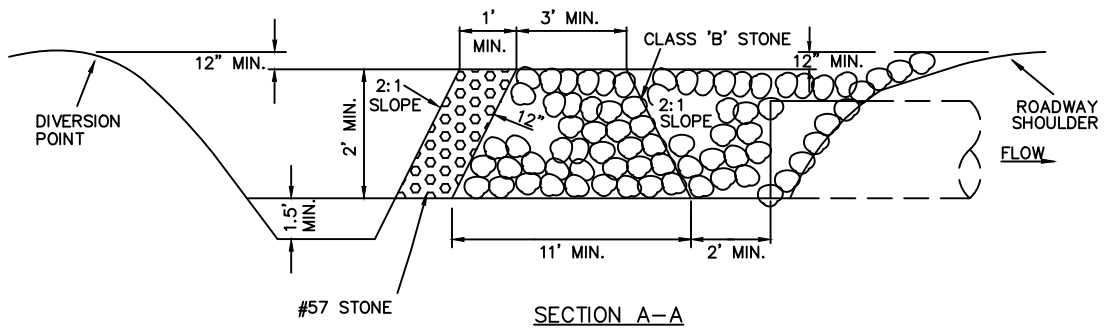
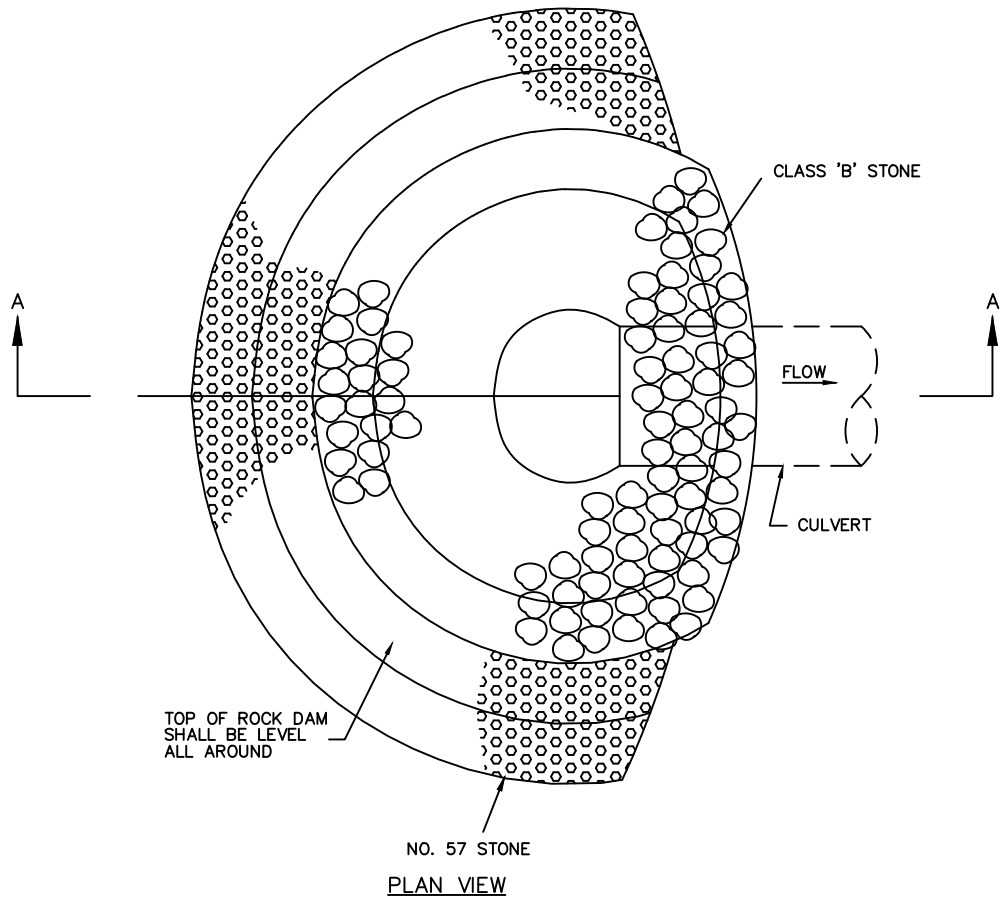
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BLOCK & GRAVEL
DROP INLET PROTECTION

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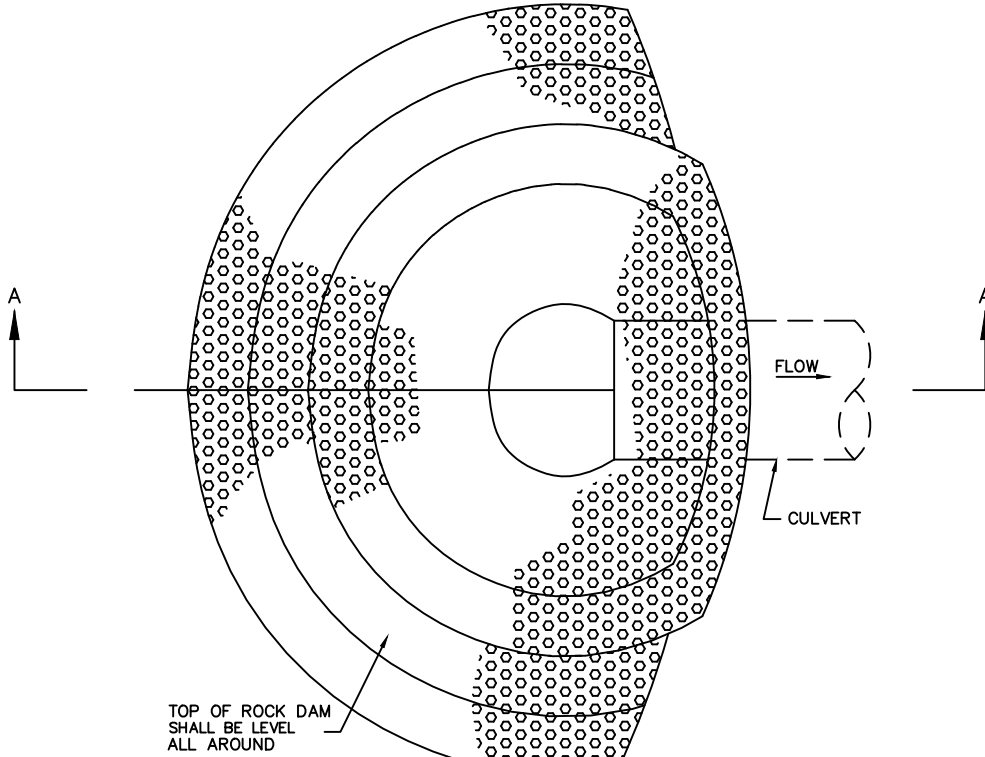
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ROCK PIPE INLET
SEDIMENT TRAP

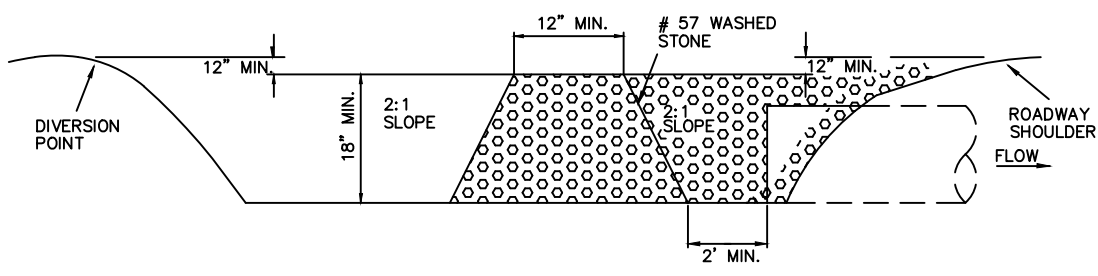
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57 STONE
PLAN VIEW



SECTION A-A

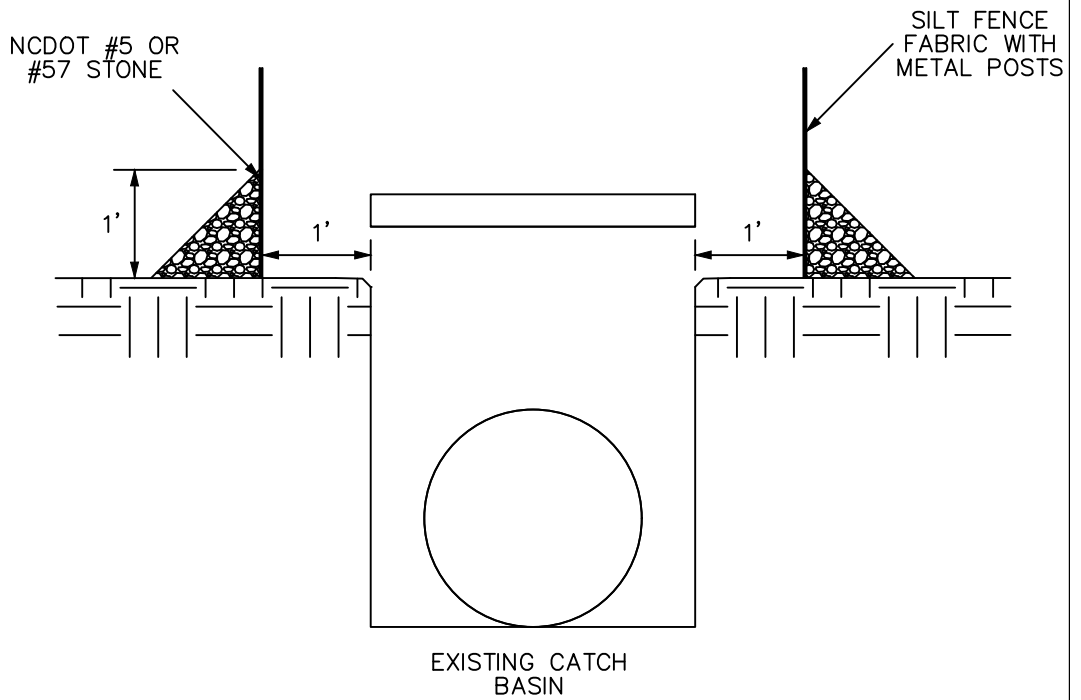
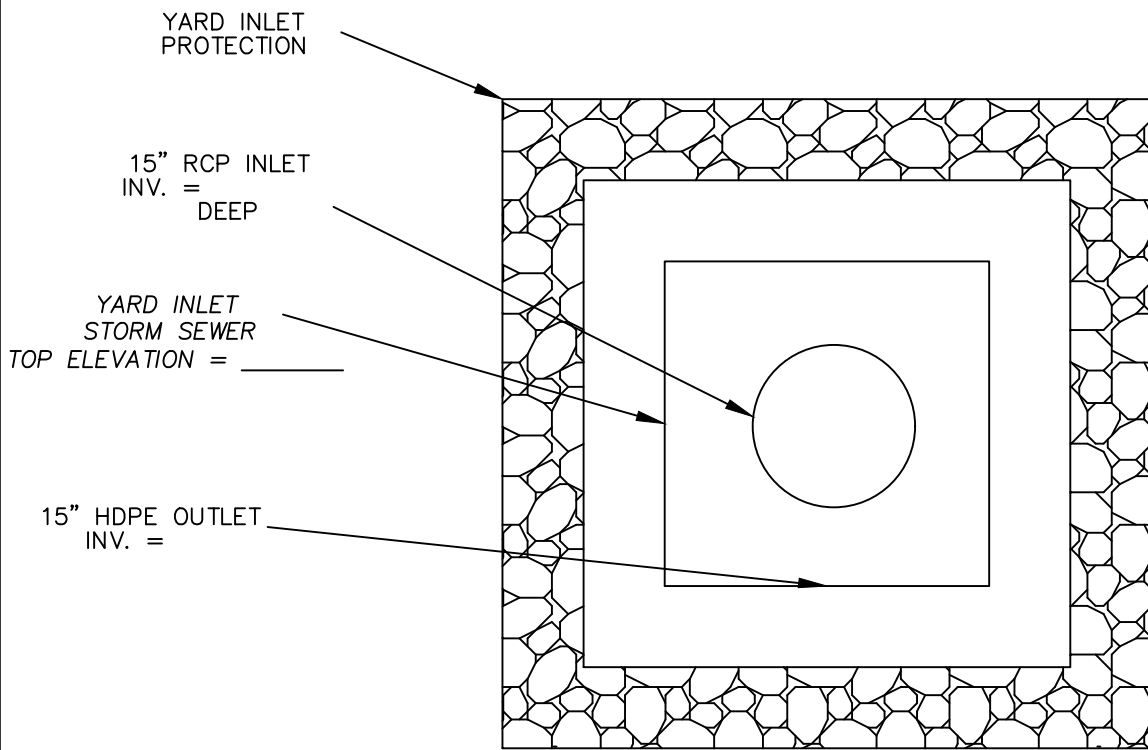
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MODIFIED SMALL DRAINAGE AREA
ROCK PIPE INLET
SEDIMENT TRAP

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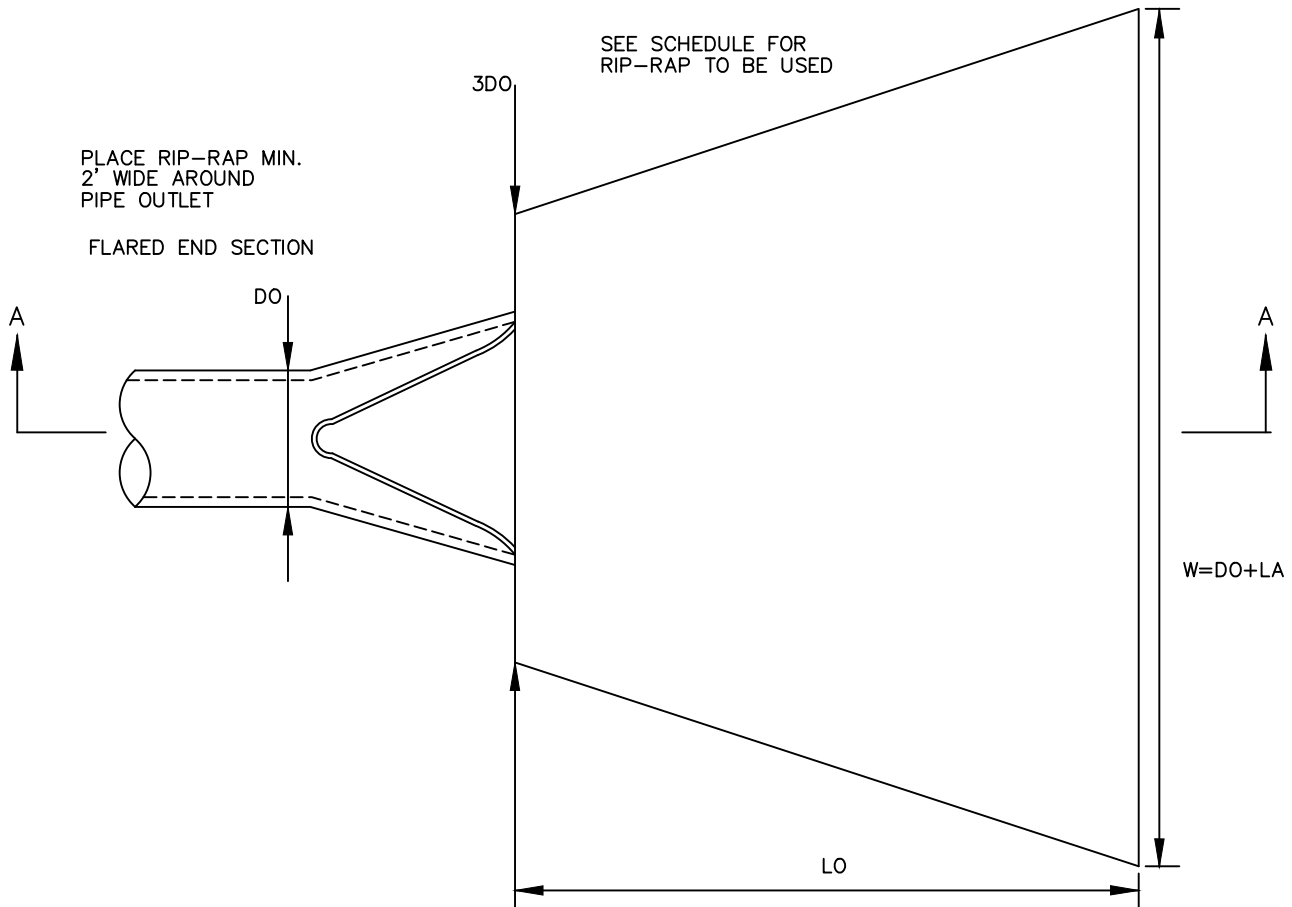
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YARD INLET PROTECTION

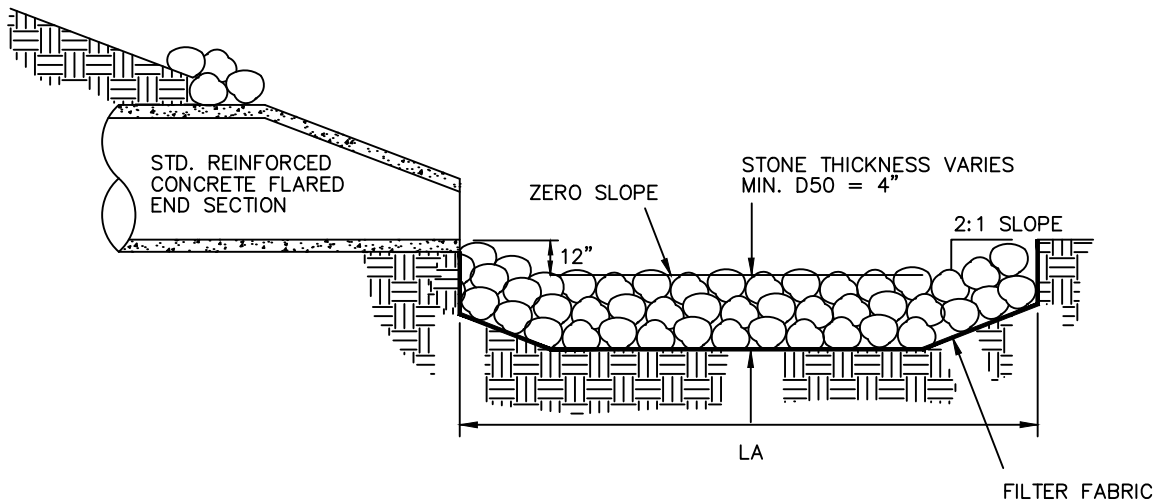
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PLAN VIEW



SECTION A-A

SIZE OF DISSIPATOR TO BE DETERMINED AS SHOWN IN SECTION 8.06 OF NCDEQ

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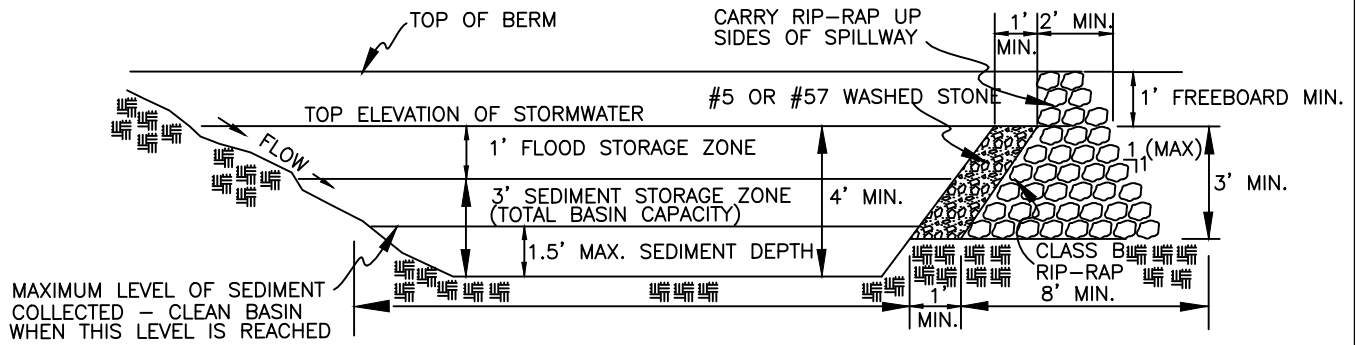
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RIP-RAP OUTLET PROTECTION

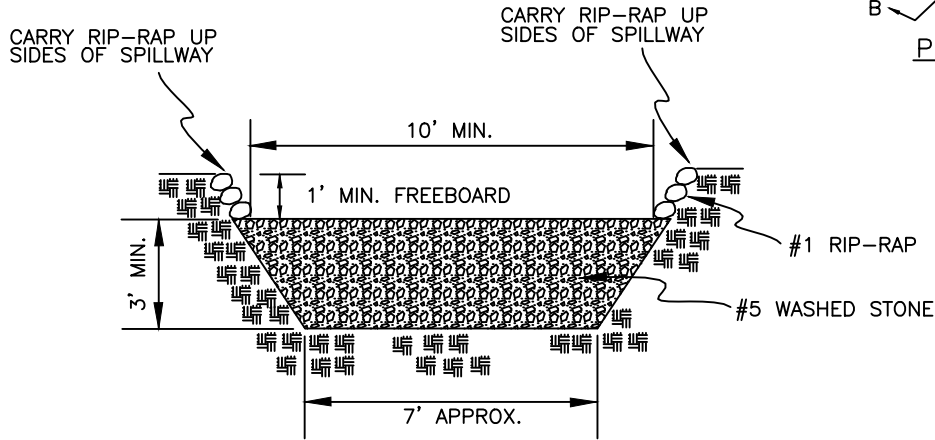
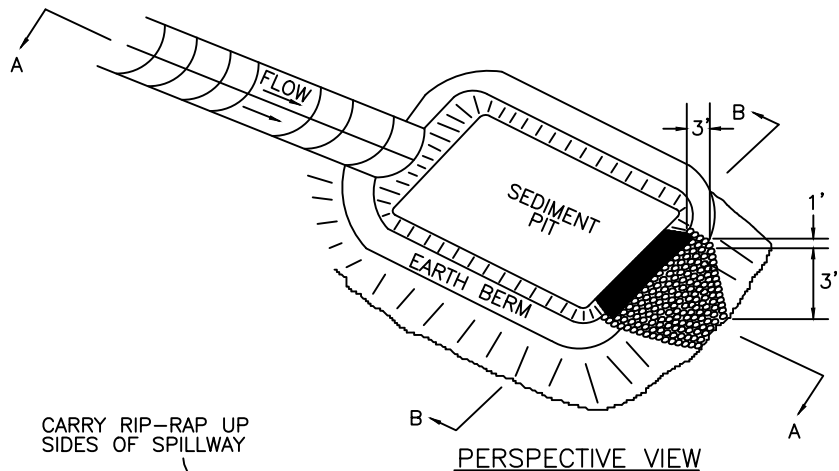
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SECTION THRU BASIN & FILTER A-A
GRAVEL & RIP-RAP FILTER BASIN DETAIL



SECTION THRU BASIN & FILTER B-B

NOTE: THIS STRUCTURE MUST BE DESIGNED TO PASS THE 10-YEAR STORM WITHOUT OVERTOPPING THE EARTH BERM.

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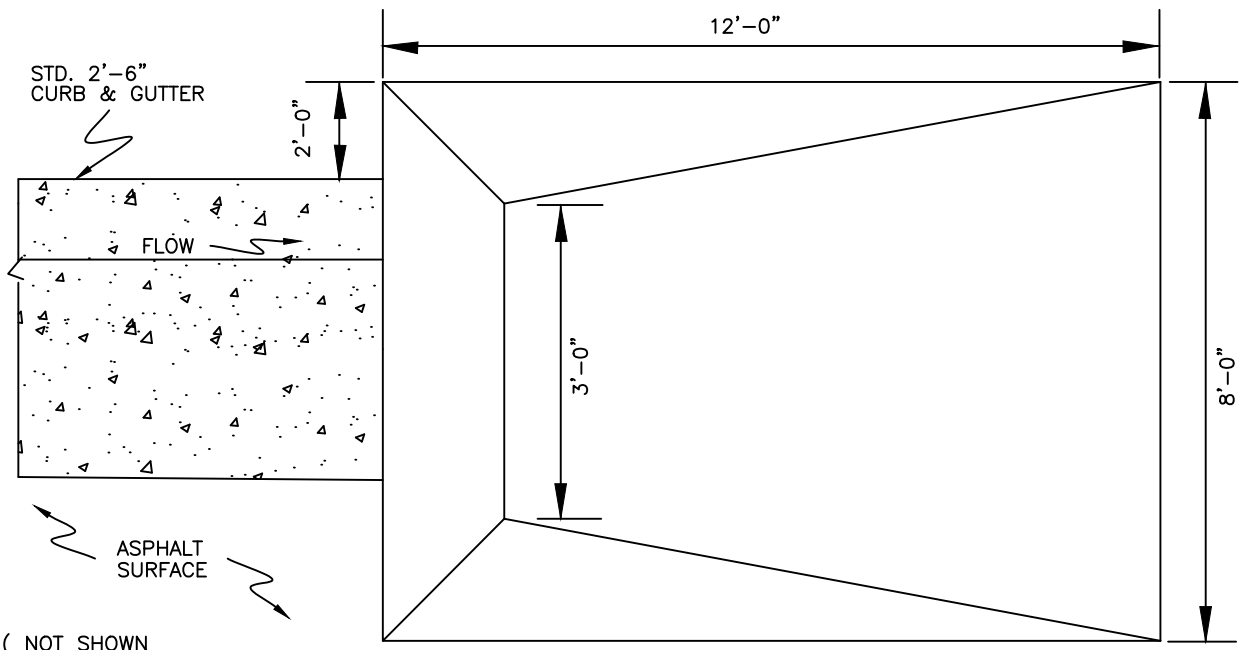


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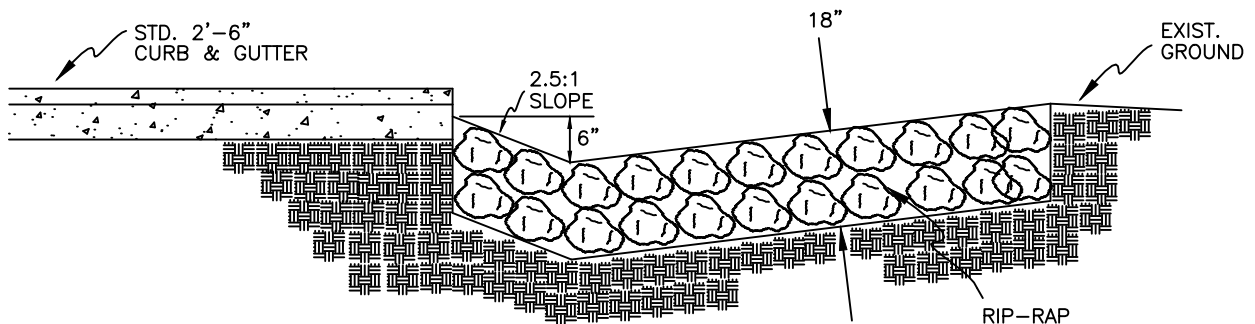
TEMPORARY SEDIMENT TRAP

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PLAN VIEW



CLASS 1 RIP-RAP TO BE USED.

QUANTITY OF RIP-RAP REQUIRED FOR ONE GUTTER WILL BE 12 S.Y.

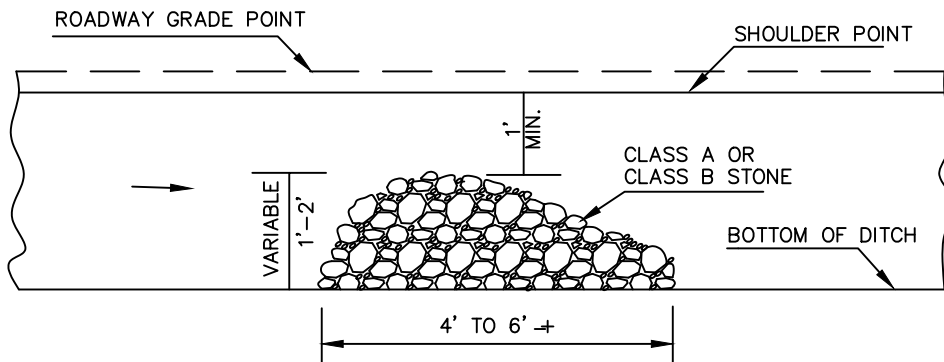
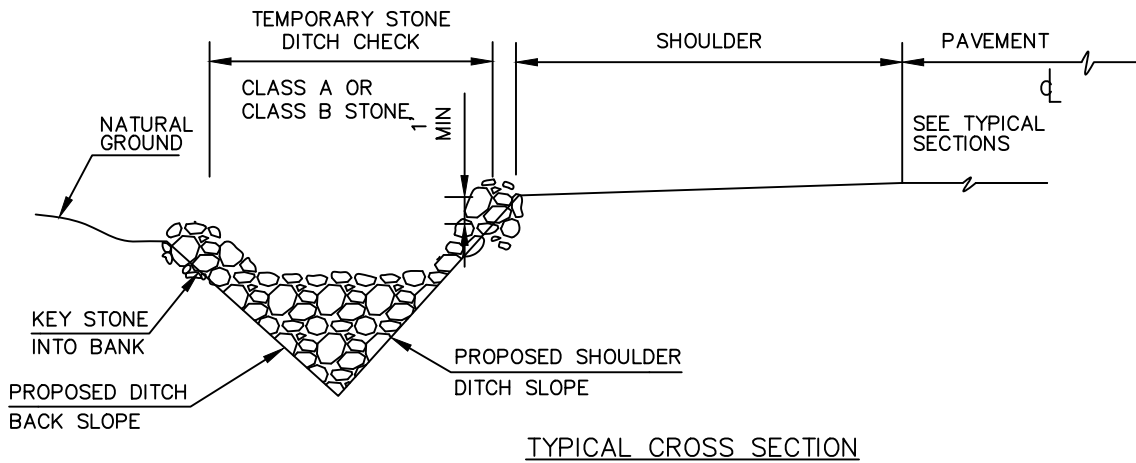
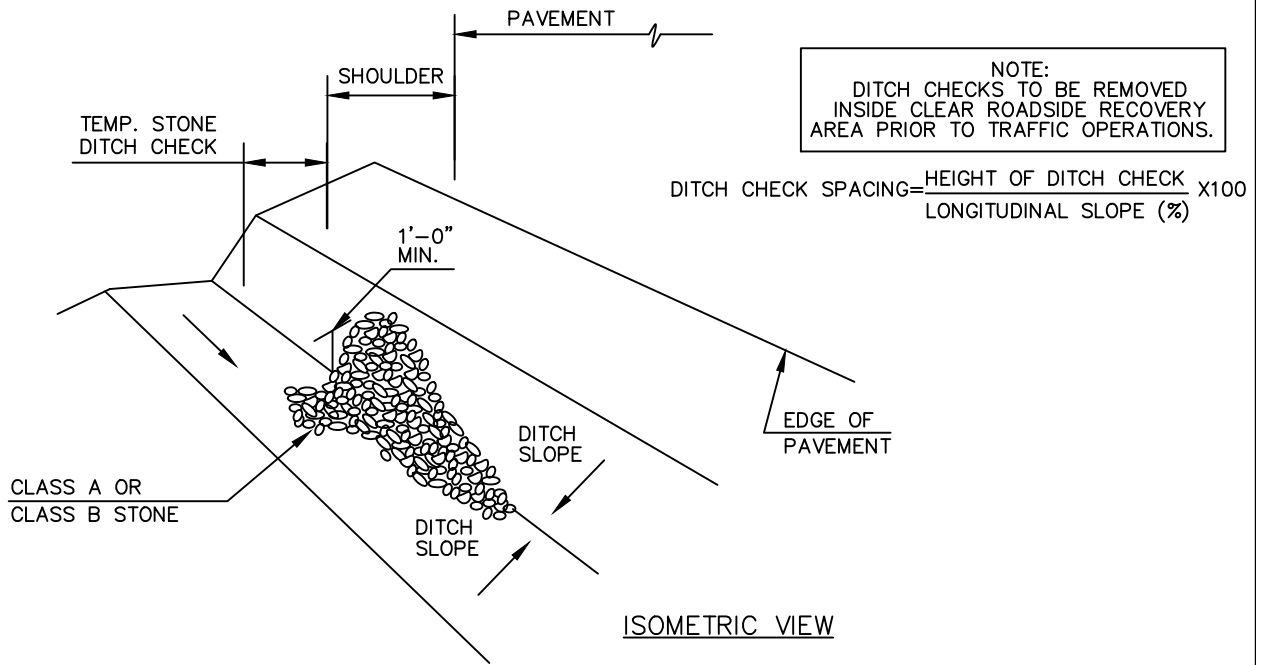
SECTION THROUGH DEVICE

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CITY OF HICKORY
 DEAD END STREET
 EROSION CONTROL DEVICE

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QUANTITY APPROXIMATELY 1 TO 2 TONS STONE

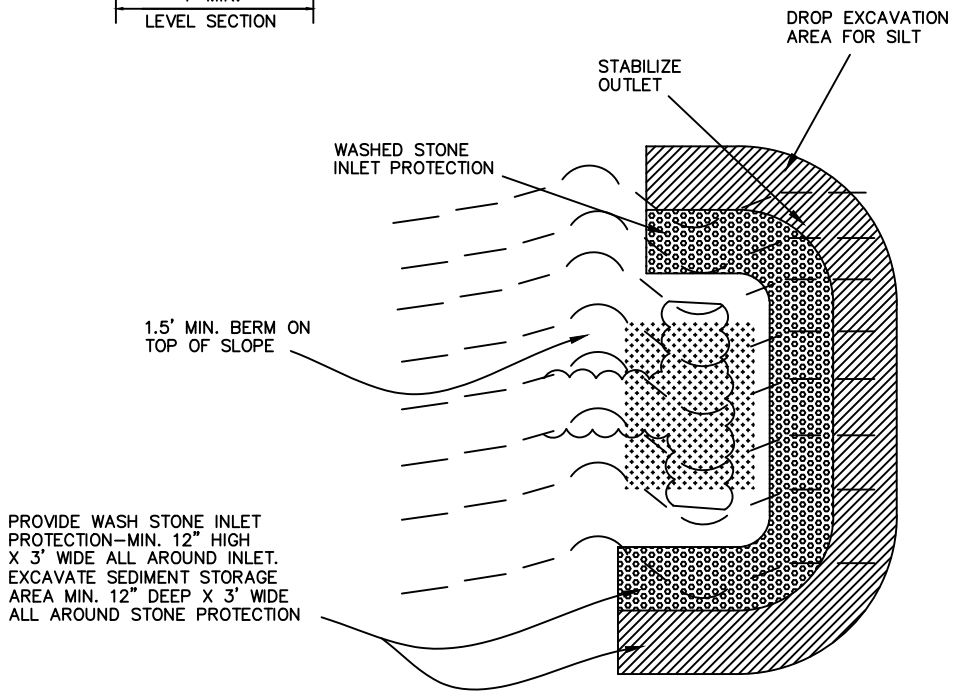
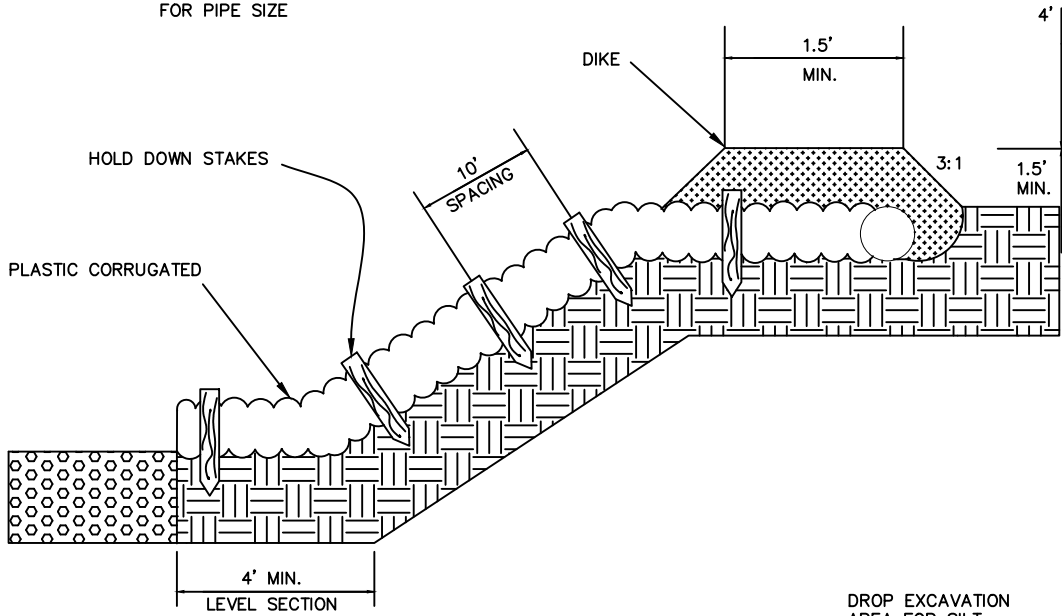
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TEMPORARY STONE
DITCH CHECK

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*NOTE: SEE EROSION CONTROL PLAN FOR PIPE SIZE



PROVIDE WASH STONE INLET PROTECTION—MIN. 12" HIGH X 3' WIDE ALL AROUND INLET. EXCAVATE SEDIMENT STORAGE AREA MIN. 12" DEEP X 3' WIDE ALL AROUND STONE PROTECTION

PLAN VIEW
STANDARD T-SECTION

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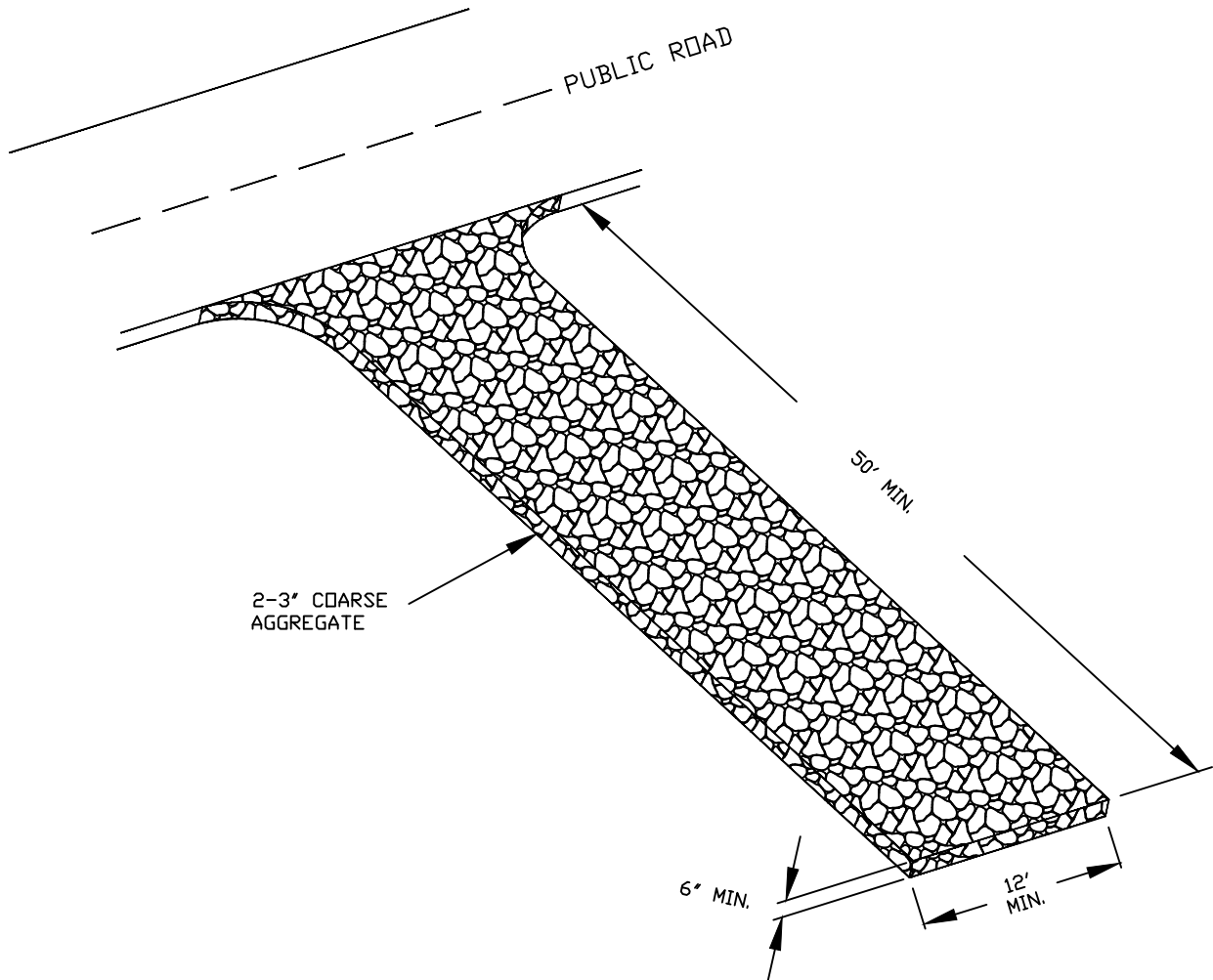


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TEMPORARY SLOPE
DRAIN DETAIL

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- NOTE:
1. TEMPORARY GRAVEL CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO REMOVE MUD & SOIL BUILDUP AFTER EACH RAIN EVENT AND AS NEEDED WHEN EFFECTIVENESS IS DIMINISHED
 2. ABC STONE IS NOT ACCEPTABLE

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CITY OF HICKORY

TEMPORARY GRAVEL
CONSTRUCTION ENTRANCE

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