EROSION CONTROL NOTES

DURING ALL PHASES OF CONSTRUCTION THE SITE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL EXERCISE MEASURES TO PREVENT THE EROSION OF SOILS DUE TO THE ACTION OF WATER AND WIND. THE CONTRACTORS SHALL USE THE FOLLOWING MEASURES TO ACCOMPLISH THIS OBJECTIVE:

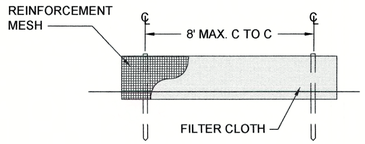
A. SURFACE PROTECTION
1. CLEARING SHALL BE LIMITED SO AS TO EXPOSE THE SMALLEST POSSIBLE AREA OF LAND FOR THE SHORTEST POSSIBLE TIME.
2. EXPOSED AREAS SHALL BE IMMEDIATELY GRADED AND PROTECTED WITH TEMPORARY OR PERMANENT COVER, SUCH AS SOD, SEED AND MULCH, CROWN VETCH, LESPEDEZA OR CREEPER. NEWLY GRADED CHANNELS OR STEEP SLOPES WILL REQUIRE THE USE OF FIBROUS MATTING, NETTING OF SEEDED AND MULCHED AREAS, OR THE STAKING OR SHINGLING OF SOD WHILE VEGETATION IS BECOMING ESTABLISED.

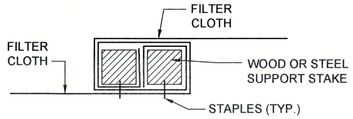
B. RUN-OFF CONTROL
1. LONG AND/OR STEEP SLOPES WILL REQUIRE CONTOUR AND FURROWING, OR BERMS TO REDUCE RUN-OFF VELOCITIES.

C. SEDIMENT TRAPPING
1. THE TRAPPING OF ERODED PARTICLES WILL BE ACCOMPLISHED BY THE DIVERSION OF RUN-OFF TO SEDIMENT BASINS, EXCAVATION TRAPS, BERMS, STAKED HAY BALES, OR FLOATING SILT CURTAINS.
2. THE PROPOSED RETENTION AND/OR DETENTION POND(S) ALONG WITH ANY ENVIRONMENTAL BERM(S)/REAR YARD SWALE(S) SHALL BE CONSTRUCTED FIRST. THE POND(S) AND OUTFALL STRUCTURE(S) MUST BE COMPLETE AND OPERATIONAL PRIOR TO THE PLACEMENT OF ANY IMPERVIOUS SURFACE.
3. TRAPPING DEVICES SHALL BE PERIODICALLY INSPECTED DURING DRY PERIODS AND AFTER EACH RAINFALL EVENT BY THE SITE CONTRACTOR. TRAPPING DEVICES SHALL BE REPLACED IF DETERMINED TO BE INCAPABLE OF PERFORMING INTENDED FUNCTION OF SEDIMENT TRAPPING.
4. TRAPPING DEVICES SHALL REMAIN IN PLACE UNTIL A VEGETATIVE COVER HAS ESTABLISHED SUFFICIENTLY TO STABILIZE THE SOILS AND PREVENT EROSION.

D. SOIL MOISTURE
1. THE CONTRACTOR SHALL HAVE AVAILABLE ON THE CONSTRUCTION SITE A WATER SOURCE CAPABLE OF APPLYING WATER TO DRY EXPOSED SOIL IN ORDER TO PREVENT WIND EROSION. THE APPLICATION RATE AND MANNER SHALL BE SUCH THAT SOIL MOISTURE IS ATTAINED AND NO SURFACE RUN-OFF IS CREATED.

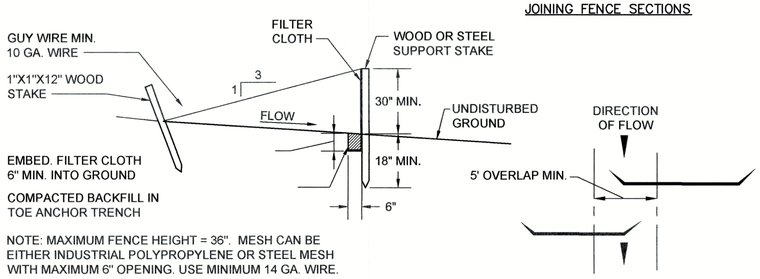
E. RESPONSIBILITY
1. THE CONTRACTOR SHALL BE HELD RESPONSIBLE UNTIL THE CERTIFICATE OF COMPLETION IS ISSUED. AFTER THAT, THE OWNER WILL BE RESPONSIBLE FOR MAINTENANCE OF THE STORMWATER COLLECTION AND DETENTION SYSTEM.





NOTE: FILTER CLOTH TO BE SPUN AROUND STAKES AND STAPLED AS SHOWN AT ALL FENCE OR MATERIAL SPLICES

JOINING FENCE SECTIONS



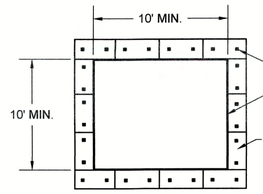
NOTE: MAXIMUM FENCE HEIGHT = 36". MESH CAN BE EITHER INDUSTRIAL POLYPROPYLENE OR STEEL MESH WITH MAXIMUM 6" OPENING. USE MINIMUM 14 GA. WIRE.

FF-30 FILTER FABRIC FENCE

STAGGERED FENCE DETAIL

DETAILS - FILTER FABRIC FENCE

NOT TO SCALE

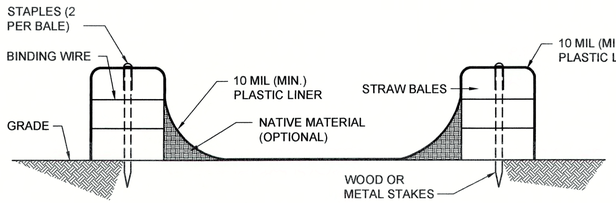


PLAN

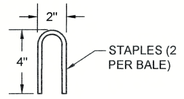
NOTES:

1. ACTUAL LAYOUT AND LOCATION TO BE DETERMINED IN FIELD.

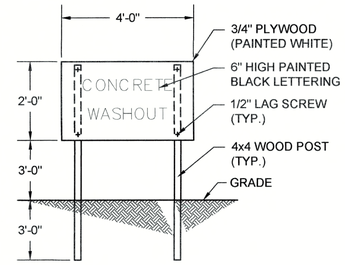
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.



SECTION



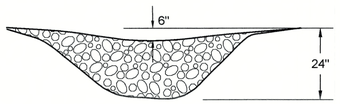
STAPLE DETAIL



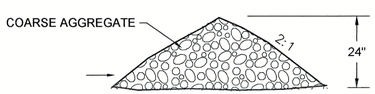
SIGN DETAIL

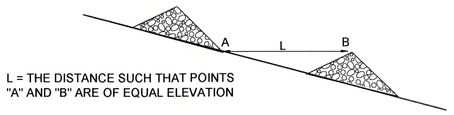
DETAILS - CONCRETE WASHOUT

NOT TO SCALE



ROCK CHECK DAM





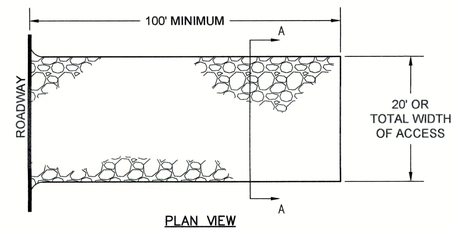
L = THE DISTANCE SUCH THAT POINTS "A" AND "B" ARE OF EQUAL ELEVATION

SPACING BETWEEN CHECK DAMS

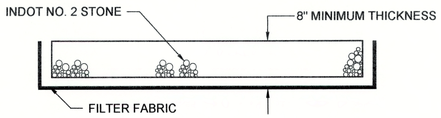
DETAILS - CHECK DAM

NOT TO SCALE

IN EVENT OF A HAZARDOUS SPILL, CONTACT
MADISON EMERGENCY MANAGEMENT AGENT: (765) 642-0221



PLAN VIEW

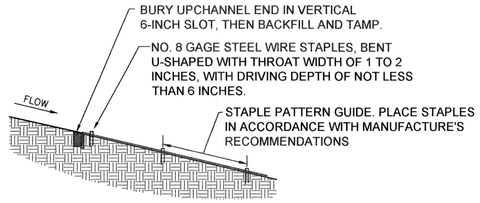


SECTION A-A

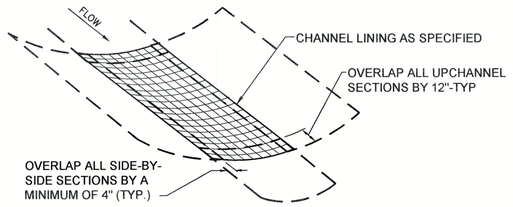
MAINTENANCE: THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED WHERE SHOWN ON THE PLAN. THE ENTRANCE SHALL BE INSPECTED WEEKLY AND ADDITIONAL INDOT NO. 2 STONE STONE SHALL BE KEPT ON SITE SO THAT THE MINIMUM DIMENSIONS CAN BE MAINTAINED THROUGHOUT THE PROJECT. SEDIMENT TRACKED ONTO A PUBLIC ROADWAY SHALL BE REMOVED AT THE END OF EACH CONSTRUCTION DAY AND PLACED ON THE TOPSOIL STOCKPILE. NO OTHER ENTRANCE SHALL BE USED TO GAIN ACCESS TO THE SITE BY ANY CONSTRUCTION, PERSONAL OR DELIVERY VEHICLES.

ROCK CONSTRUCTION ENTRANCE

NOT TO SCALE



SIDE VIEW

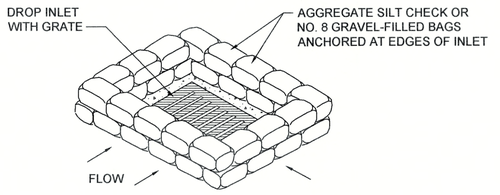


FRONT VIEW

SEEDING TO BE APPLIED PRIOR TO THE INSTALLATION OF BLANKET. CONTRACTOR TO ENSURE A STABLE AND UNIFORM GRASS COVER DEVELOPS IN THE SWALE.

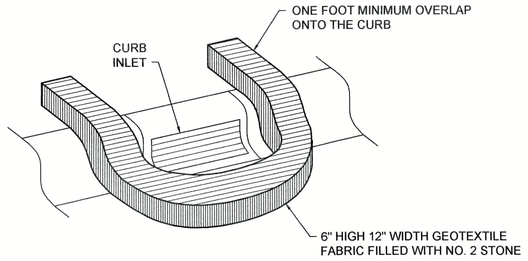
DETAILS - EROSION CONTROL BLANKET INSTALLATION

NOT TO SCALE



DETAIL - INLET SEDIMENT FILTER

NOT TO SCALE



DETAIL - INLET PROTECTION

NOT TO SCALE

SEASONAL SOIL PROTECTION CHART

STABILIZATION PRACTICE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING				A		*////////						
DORMANT SEEDING	B										B	
TEMPORARY SEEDING				C					D			
SODDING				E**		*////////						
MULCHING	F											

A = INDOT SEED MIXTURE TYPE "R" - 170 LBS/ACRE PLUS 2 TONS STRAW MULCH/ACRE.
B = KENTUCKY BLUEGRASS 60 LBS/ACRE; CREEPING RED FESCUE 60 LBS/ACRE; PLUS 2 TONS STRAW MULCH/ACRE, OR ADD ANNUAL RYEGRASS 30 LBS/ACRE.
C = INDOT SEED MIXTURE TYPE "T" SPRING OATS - 150 LBS/ACRE
D = INDOT SEE MIXTURE TYPE "T" WINTER WHEAT - 150 LBS/ACRE
E = SOD
F = STRAW MULCH 2 TONS/ACRE
*//// IRRIGATION NEEDED DURING JUNE, JULY, AND/OR AUGUST.
** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

JOSEPH P. TIERNEY REGISTERED No. 19300407 STATE OF INDIANA PROFESSIONAL ENGINEER

GRW PROJECT NO. 4447-24
SRF NO. WW16074803 --

ALL RIGHTS RESERVED
THIS DRAWING IS THE PROPERTY OF GRW ENGINEERS, INC. AND SHALL NOT BE REPRODUCED, PUBLISHED OR USED FOR CONSTRUCTION OF ANY PROJECT WITHOUT WRITTEN PERMISSION

engineering | architecture | geospatial
www.grwinc.com

EROSION CONTROL DETAILS
SANITARY SEWER REHABILITATION
SEWER REHABILITATION PROJECT PHASE II
TOWN OF PENDLETON, INDIANA

DESIGNED	DRAWN	REVIEWED	APPROVED
GWL	GCR	JPT	JPT

REVISIONS			
NO.	DESCRIPTION	DATE	BY
----	----	----	----

THIS MARK SHOULD MEASURE EXACTLY 1" WHEN PLOTTED
SCALE CHECK

DATE: MARCH 2017
SCALE: N.T.S.
SHEET NO. C-46

PRINTED: 3/11/2017 @ 3:54PM
FILE NAME: G:\4447-FCRWD-2015\Working Drawings\AutoCAD\REHABILITATION PHASE II\4447-24-C-46-Erosion.dwg