VILLAGE OF MINOOKA

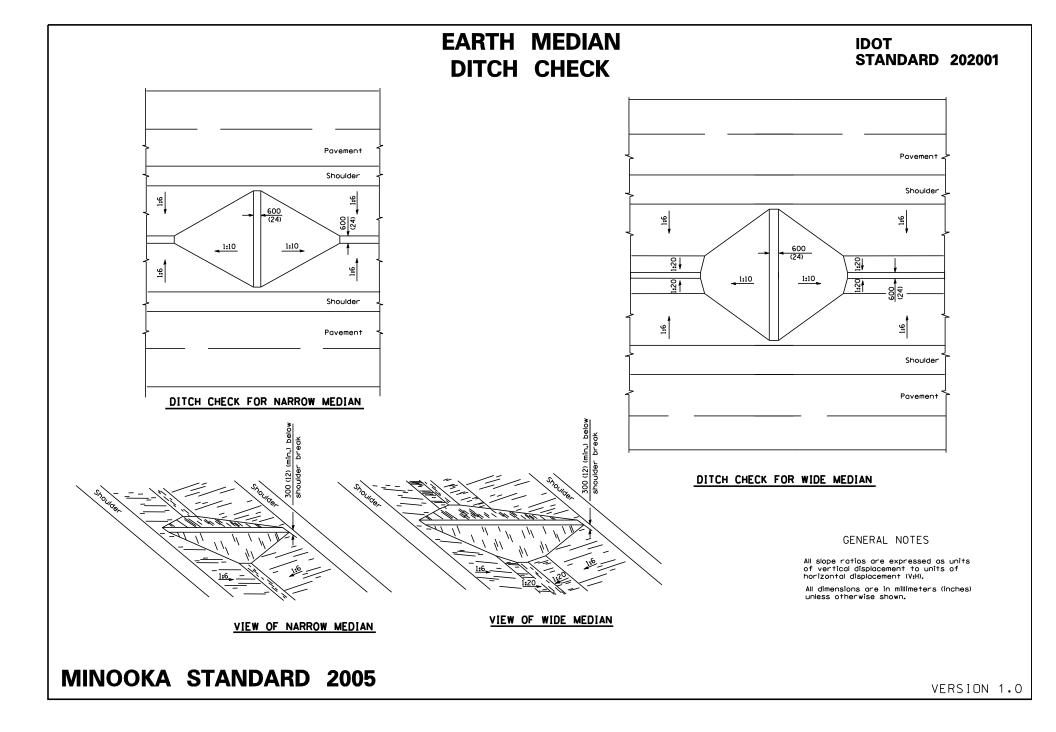
Construction Standards and Specifications For Soil Erosion and Sediment Control

General Provisions

The underground utilities general provisions shall be constructed in accordance with the requirements of the Federal or State Statutes and Regulations; Illinois Urban Manual, latest version; and Building Regulations for the Village of Minooka (enclosed here in); in addition, the following specifications shall apply:

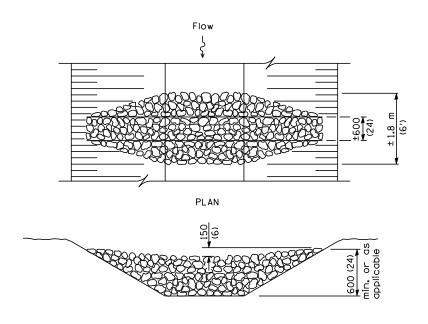
General

- All materials shall be manufactured in the United States of America. A letter of origin will be provided if requested by the Village.
- The Contractor is solely responsible for jobsite safety.



TEMPORARY EROSION CONTROL SYSTEMS

IDOT STANDARD 280001-02



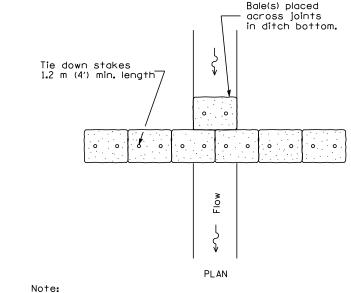
ELEVATION

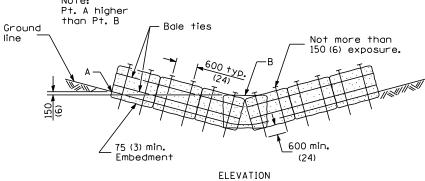
AGGREGATE DITCH CHECK

GENERAL NOTES

The dimensions and installation methods for ditch checks shall be the same for perimeter erosion barriers and inlet and outlet protection unless otherwise specified.

All dimensions are in millimeters (inches) unless otherwise shown.



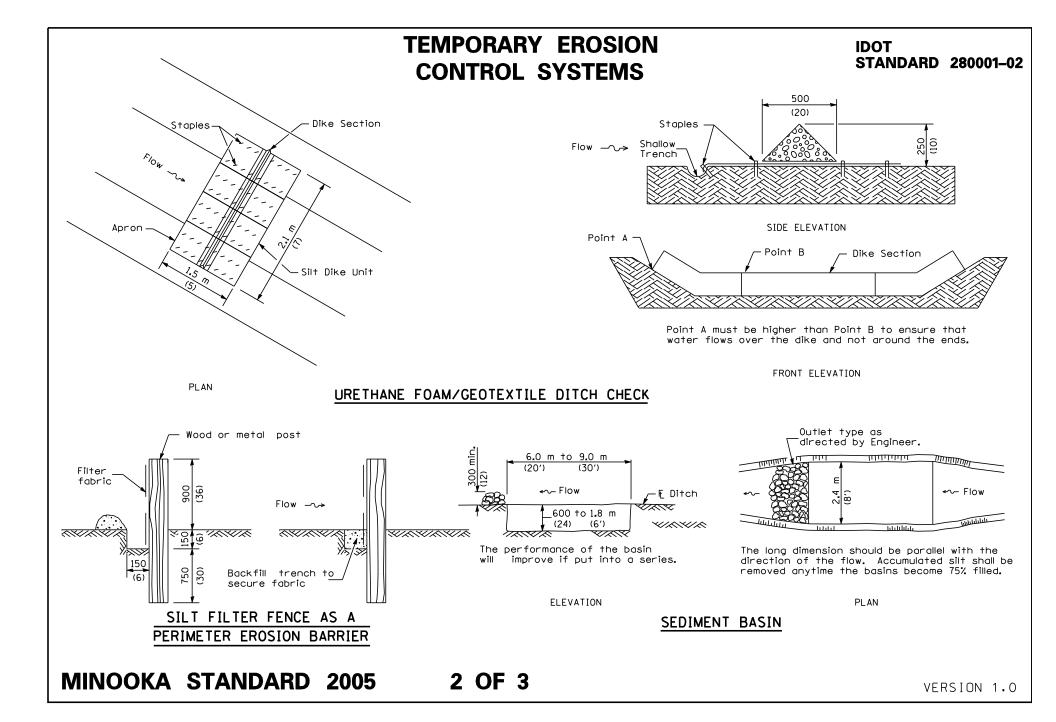


ROLLED EXCELSIOR OR STRAW BALES FOR DITCH CHECK

MINOOKA STANDARD 2005

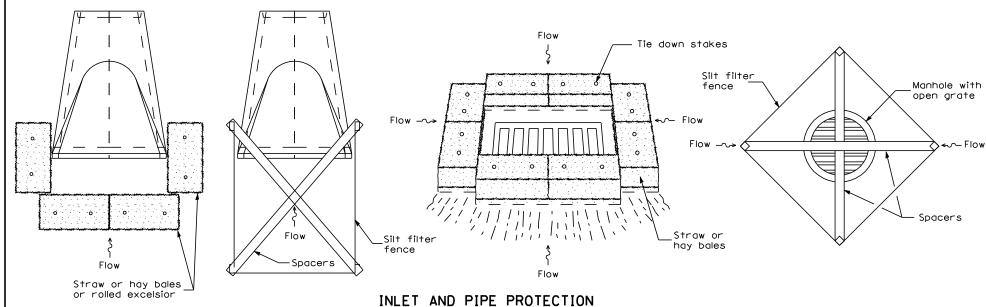
1 OF 3

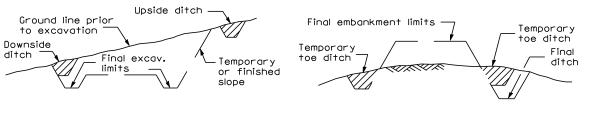
VERSION 1.0



TEMPORARY EROSION CONTROL SYSTEMS

IDOT STANDARD 280001-02





TYPICAL CUT CROSS SECTION

TYPICAL FILL CROSS SECTION

TEMPORARY DITCHES FOR **CUT & FILL SECTIONS**

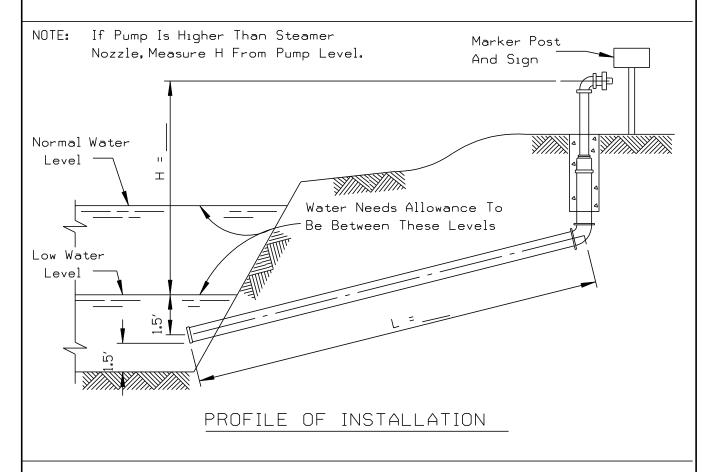
MINOOKA STANDARD 2005

3 OF 3

VERSION 1.0

DRY FIRE HYDRANT **DETAILS**

NRCS STANDARD IL-120



CALCULATING REQUIRED LIFT

TOTAL REQUIRED LIFT =

HEAD LOSS IN HYDRANT, + HEAD LOSS IN INTAKE + STATIC LIFT (H) FITTINGS AND GUARD PIPE (HL)

USING 500 GALLONS/MIN.

USING 250 GALLONS/MIN.

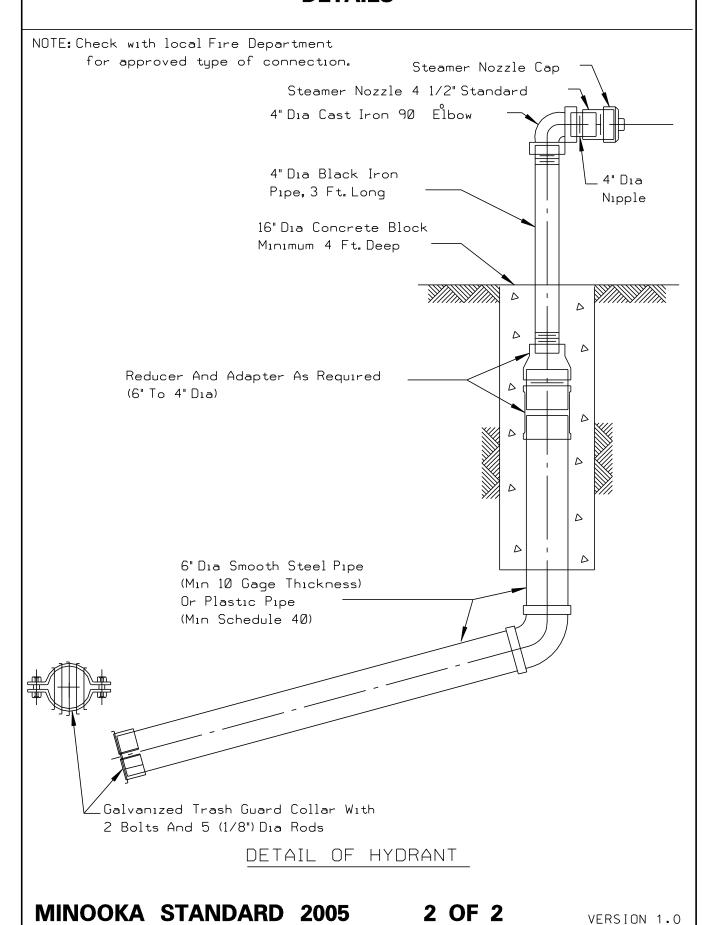
ILLINOIS		
Altıtude	Allowable	
(Feet)	Lıft (Feet)	
300	22.7	
1,000	22.0	
1,300	21 . 8	

HEAD LOSS IN FEET (HL)			
Gallons	Plastic	Smooth	
Per Minute	Pipe	Steel Pipe	
500	2.3	5.3	
250	0. 6	1.3	

NOTE: Total required lift value not to exceed value obtained from table of allowable lifts (above).

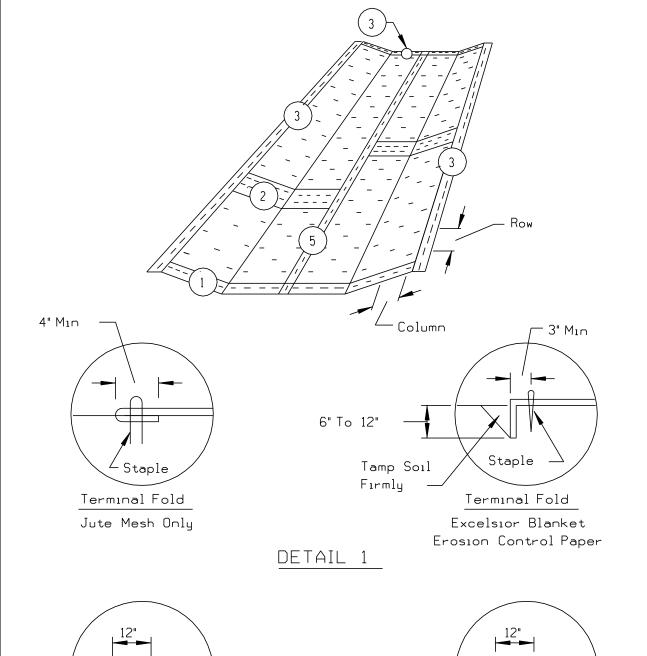
DRY FIRE HYDRANT DETAILS

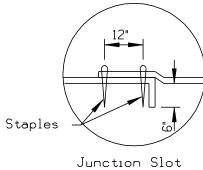
NRCS STANDARD IL-120



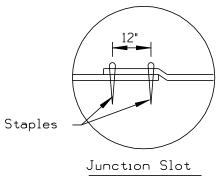
EROSION BLANKET PLAN

NRCS STANDARD IL-530





Jute Mesh
Erosion Control Paper



Excelsion Blanket

DETAIL 2

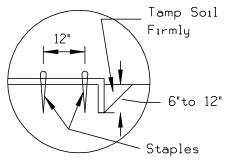
MINOOKA STANDARD 2005

1 OF 2

VERSION 1.0

EROSION BLANKET PLAN

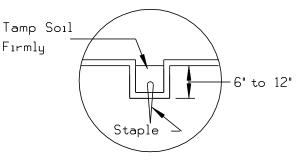
NRCS STANDARD IL-530



Anchor Slot

Jute Mesh Excelsion Blanket Erosion Control Paper

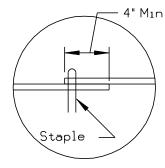
DETAIL 3



Check Slot

Erosion Control Paper

DETAIL 4

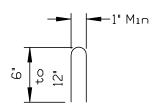


Lap Joint

Jute Mesh

Erosion Control Paper Excelsior Blanket Shall Be Butted Together.

DETAIL 5



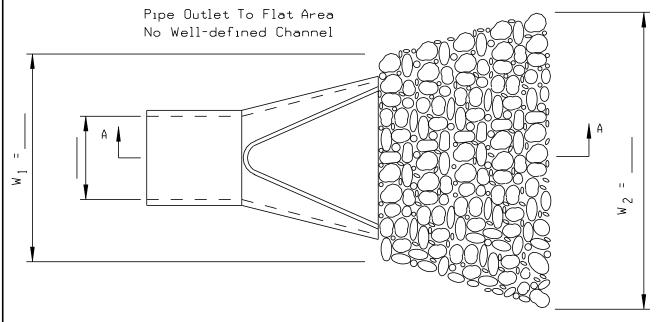
STAPLE DETAIL

NOTES:

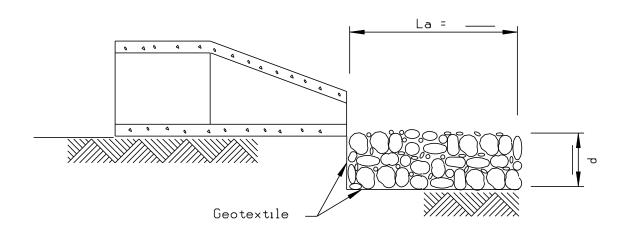
- 1. On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4%and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
- 2. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4'x 225' roll of material and 125 staples are required per 4'x 150' roll of material.
- 3. Erosion control material shall be placed loosely over ground surface.
- 4. All terminal ends and transverse laps shall be stapled at approximately 12" intervals.

PIPE OUTLET TO FLAT AREA

NRCS STANDARD IL-610





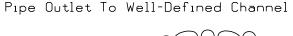


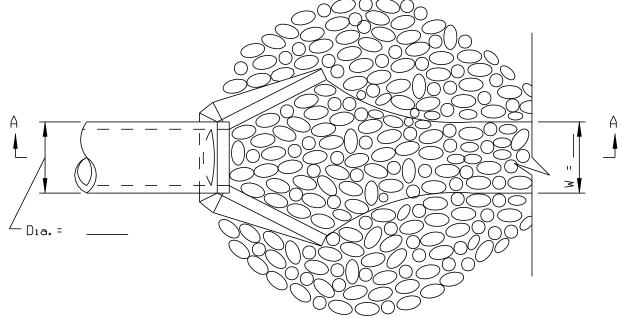
SECTION A-A

NOTES:

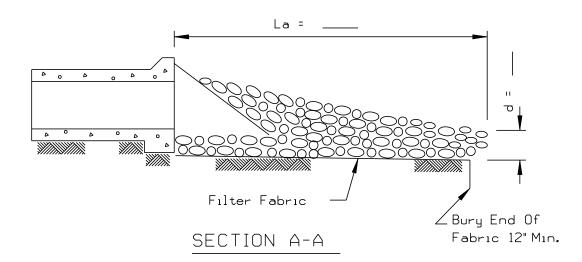
- 1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III .
- 2. The rock riprap shall shall meet the IDOT requirements for the following gradation: RR _______, Quality _____.
- 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

MINOOKA STANDARD 2005





PLAN



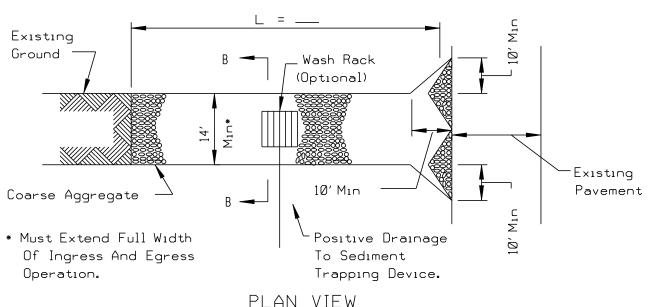
NOTES:

- 1. The filter fabric shall meet the requirements in material specification $592\ \text{GEOTEXTILE}\ \text{Table 1 or 2, Class I, II or III}\ .$
- 2. The rock riprap shall meet the IDOT requirements for the following gradation ______
- 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

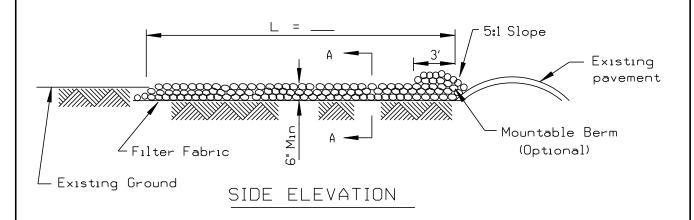
MINOOKA STANDARD 2005

STABILIZED CONSTRUCTION **ENTRANCE PLAN**

NRCS STANDARD IL-630



PLAN VIEW

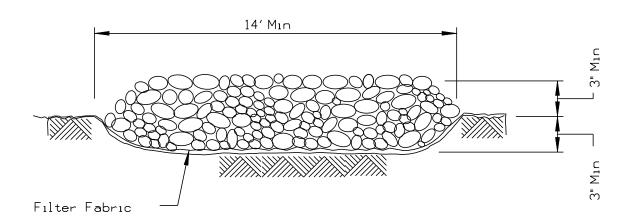


NOTES:

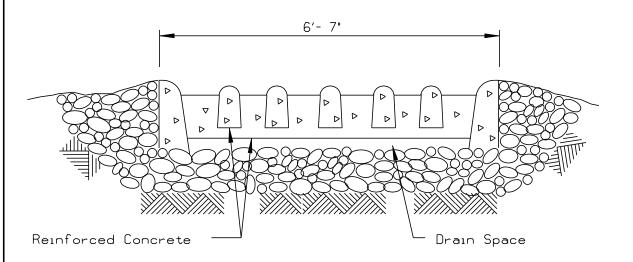
- 1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
- 2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
- 3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
- 4. If wash racks are used they shall be installed according to the manufacturer's specifications.

STABILIZED CONSTRUCTION **ENTRANCE PLAN**

NRCS STANDARD IL-630

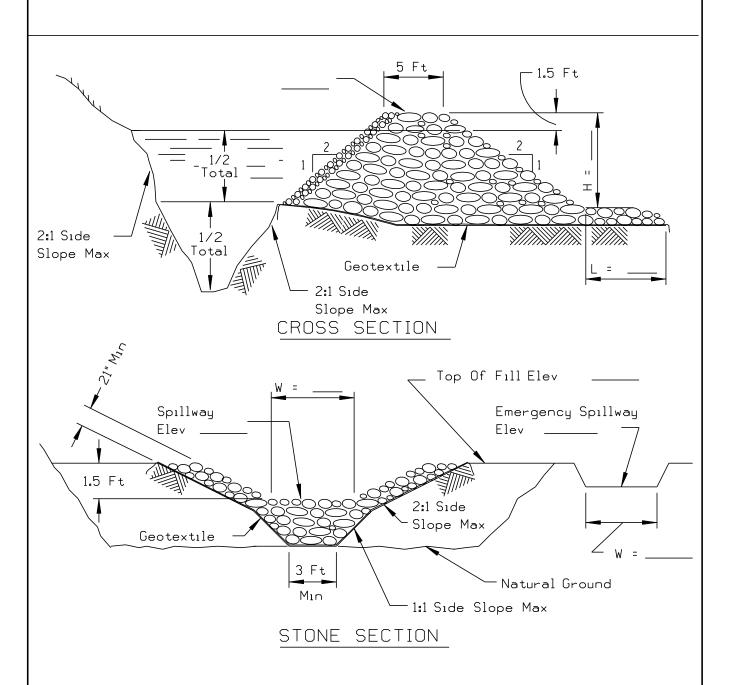


SECTION A-A



SECTION B-B

TEMPORARY SEDIMENT TRAP NRCS STANDARD IL-660



NOTES:

- 1. If the sediment pool is formed or enlarged the side slope will be 2:1 or flatter.
- 2. The fill shall be constructed using IDOT RR-4 stone size. A 1'layer of IDOT CA-2 should be placed on the inside face to reduce the flow rate.
- 3. The rock will be placed according to construction specification 25 ROCKFILL. Placement will be by Method 1 and compaction will be class III.
- 4. The geotextile shall meet the requirements in material specification $592\ \text{GEOTEXTILE}$ table 1 or 2, class I, II or IV .

MINOOKA STANDARD 2005