

VEGETATION ESTABLISHMENT For Urban Development Sites APPENDIX A

SEEDING RATES:

PERMANENT:

Tall Fescue - 30 lbs./ac.
Smooth Brome - 20 lbs./ac.
Combined - Fescue @ 15 lbs./ac. AND
Brome @ 10 lbs./ac.

TEMPORARY:

Wheat or Rye - 150 lbs./ac. (3.5 lbs. per sq. ft.)
Oats - 120 lbs./ac. (2.75 lbs. per sq. ft.)

SEEDING PERIODS:

Fescue or Brome - March 1 to June 1
August 1 to October 1
Wheat or Rye - March 15 to November 1
Oats - March 15 to September 15

MULCH RATES:

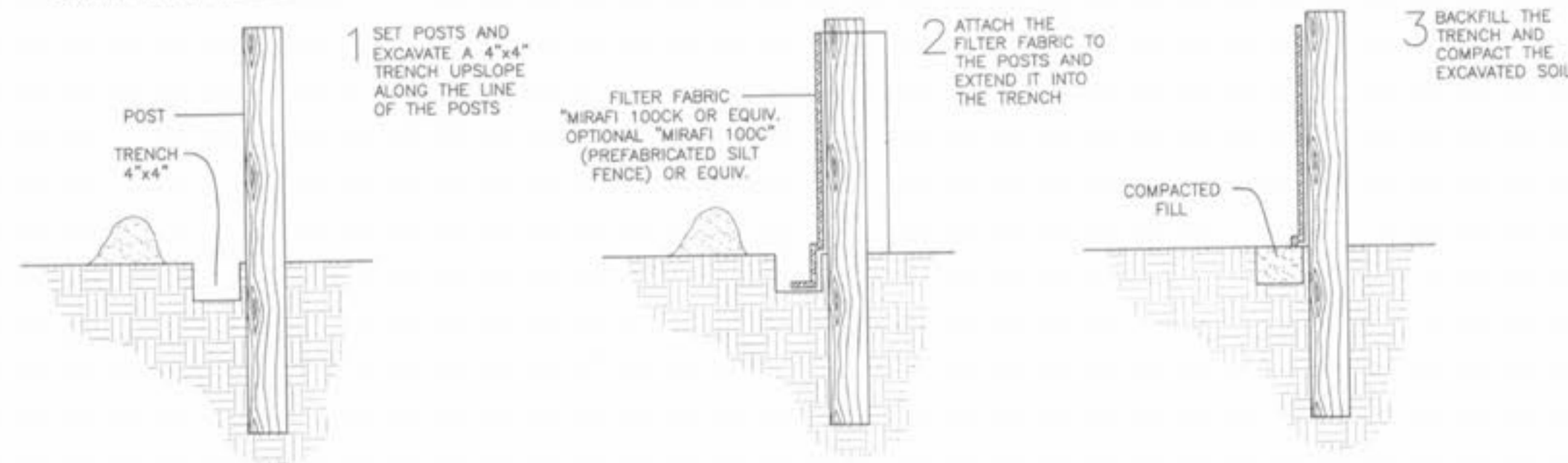
100 lbs. per 1000 sq. ft. (4,356 lbs. per ac.)

FERTILIZER RATES:

Nitrogen 30 lbs./ac.
Phosphate 30 lbs./ac.
Potassium 30 lbs./ac.
Lime 600 lbs./ac. ENM*

* ENM = effective neutralizing material as per State evaluation of quarried rock.

- MAINTENANCE**
1. FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
 2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
 3. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE BARRIER.
 4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.



SILTATION FENCE DETAIL

SILTATION CONTROL SWALE:
INTERIM TEMPORARY GRADING:

GUTTERBUDDY® Specification For Curb Gutter Storm Drains

1.0 Description

1.1 This work shall consist of furnishing, placing, maintaining and removing the Gutterbuddy® sediment control device as directed by the engineer and as shown on the contract drawings. The Gutterbuddy® sediment control system distributed by:

ACF Environmental, Inc.
1801-A Willis Road
Richmond, Virginia 23237
Phone: 800-644-9223 Fax: 804-271-3074
www.acfenvironmental.com

2.0 Materials

2.1 GUTTERBUDDY®

The Gutterbuddy® shall be a synthetic filter manufactured from recycled synthetic fibers.

2.1.1 The Gutterbuddy® will be manufactured to be 9" in diameter and are available in 3', 5', 12' and 16' lengths and a minimum of twenty four (24) inches longer than the curb inlet opening. This will allow for sufficient length to cover the inlet with twelve (12) inches beyond the inlet on both ends.

3.0 Construction Sequence

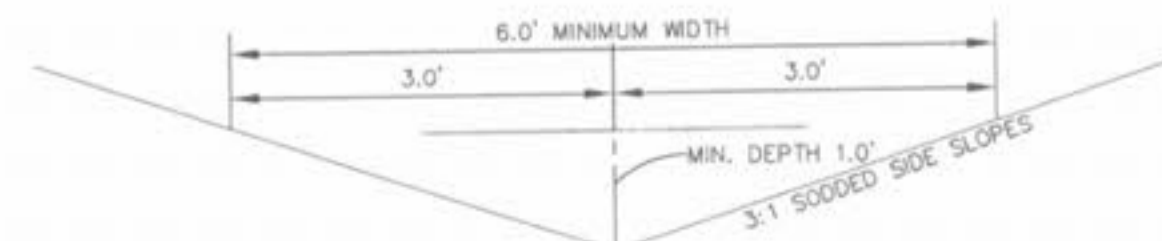
3.1 General

- 3.1.1 Install the Gutterbuddy® in front of the curb inlet opening. Each end of the Gutterbuddy® should overlap the curb inlet approximately 12".
- 3.1.2 The Gutterbuddy® should be cleaned if a visual inspection shows silt and debris build up around the Gutterbuddy®.
- 3.1.3 To remove the Gutterbuddy®, lift out of the opening.
- 3.1.4 The Gutterbuddy® is reusable, once the construction project is complete and it is no longer needed for sediment control, remove, clean and store out of the sunlight until needed on the next project.

TYPICAL YARD SWALE

Maximum Discharge (Q) = 4.00 cfs
Maximum Velocity (V) = 4.00 ft/sec
N = 0.030 (grass)
Maximum side slopes = 3 (horizontal) : 1 (vertical)

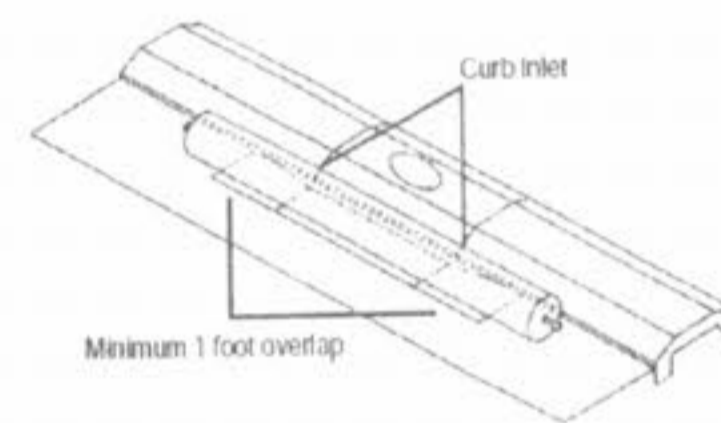
Longitudinal Slope (%)	Discharge (cfs)	Velocity (ft/sec)	Depth (ft)
0.5	4.00	1.89	0.84
1.0	4.00	2.46	0.74
2.0	4.00	3.12	0.65
3.0	4.00	3.71	0.60
4.0	3.51	4.00	0.54
5.0	2.51	4.00	0.46
6.0	1.91	4.00	0.40
7.0	1.52	4.00	0.36
8.0	1.24	4.00	0.32
9.0	1.04	4.00	0.29
10.0	0.89	4.00	0.24



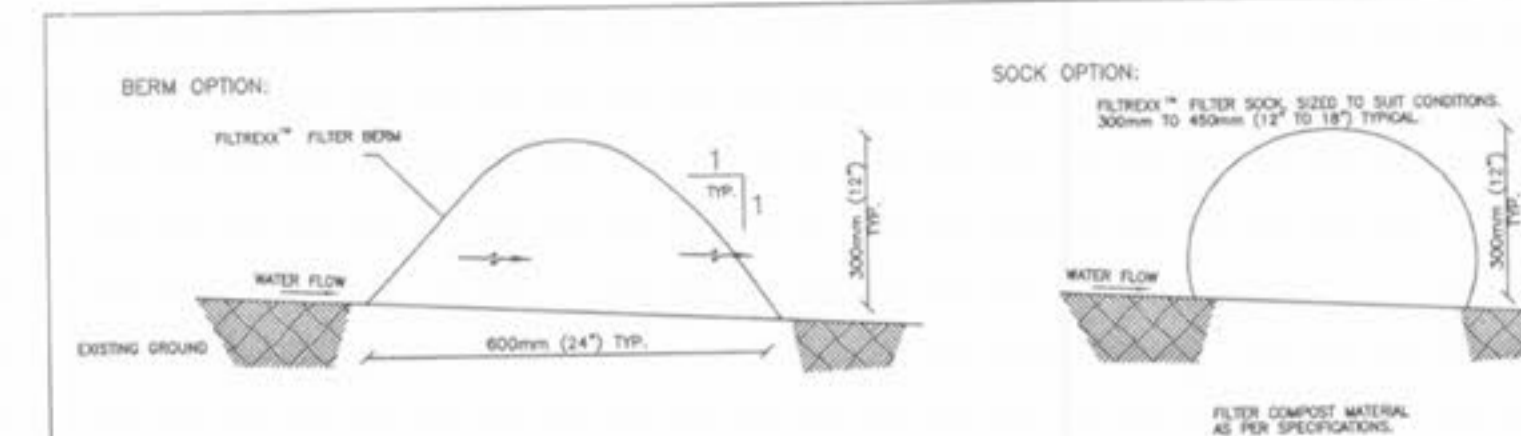
3.1.5 Ponding is likely if sediment is not removed regularly. Inspection of Gutterbuddy® should be on a regular basis and immediately after major rain events.

4.0 Basis of Payment

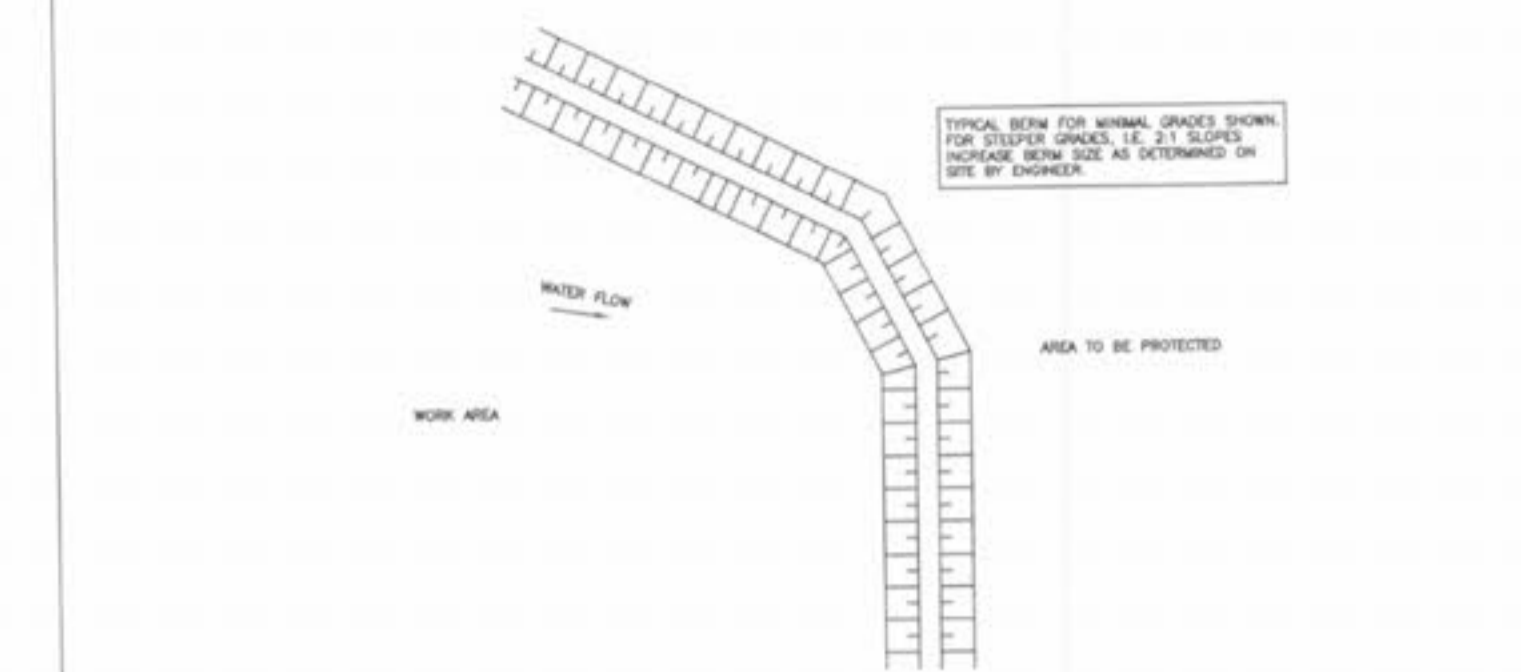
4.1 The payment for any Gutterbuddy® used during the construction is to be included in the bid of the overall erosion and sediment control plan and proved by the linear foot.



STREET INLET SILT CONTROL



- NOTES:**
1. ALL MATERIAL TO MEET FILTERCLOTH® SPECIFICATIONS.
 2. THE CONTRACTOR SHALL MAINTAIN THE COMPACT FILTER BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE PROMPTLY REPAIRED.
 3. WHERE THE BERM REQUIRES REPAIR, IT WILL BE PROMPTLY REPAIRED.
 4. THE CONTRACTOR SHALL REMOVE SEDIMENT COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM OR AS DIRECTED BY THE ENGINEER.
 5. THE COMPACT FILTER BERM SHALL BE DISPOSED ON SITE, WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.

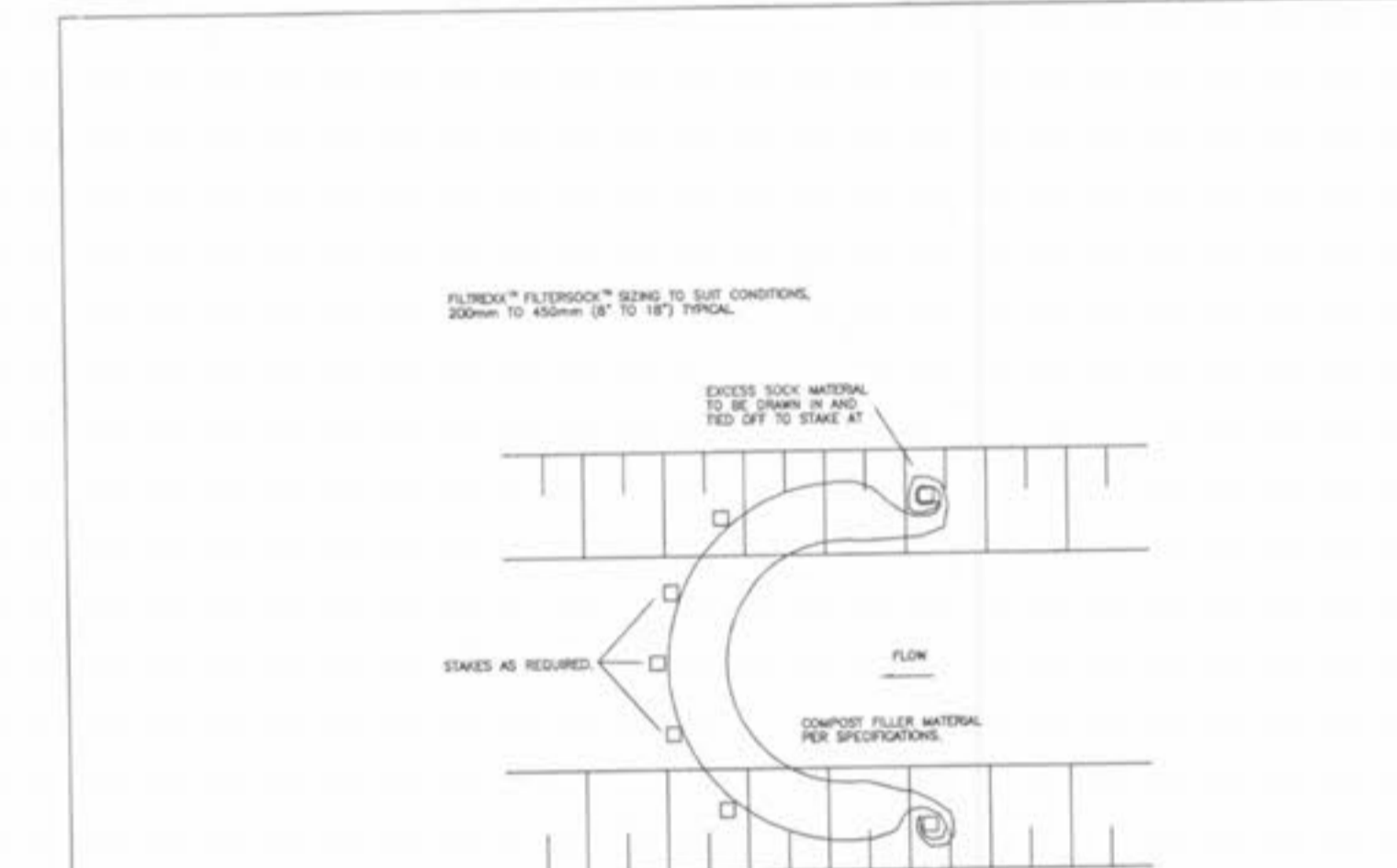


FILTREXX™ CANADA
324 GOVERNORS RD. EAST
PARIS, ONTARIO
CANADA, N3L 3E1
519-754-8296

FILTREXX™ INTERNATIONAL
35481 GRAFTON EASTERN RD
GRAFTON, OH
USA 44044
440-926-8041

**SITE
SEDIMENT CONTROL**

DESIGN	R.D.B.	SCALE	N.T.S.
CHECKED	R.D.B.	DRAWN	G.W.S.
SHEET	5 of 7	DWG. NO.	
DATE:			T5



- NOTES:**
1. ALL MATERIAL TO MEET FILTERCLOTH® SPECIFICATIONS.
 2. COMPACT MATERIAL WILL BE DISPOSED ON SITE, WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.

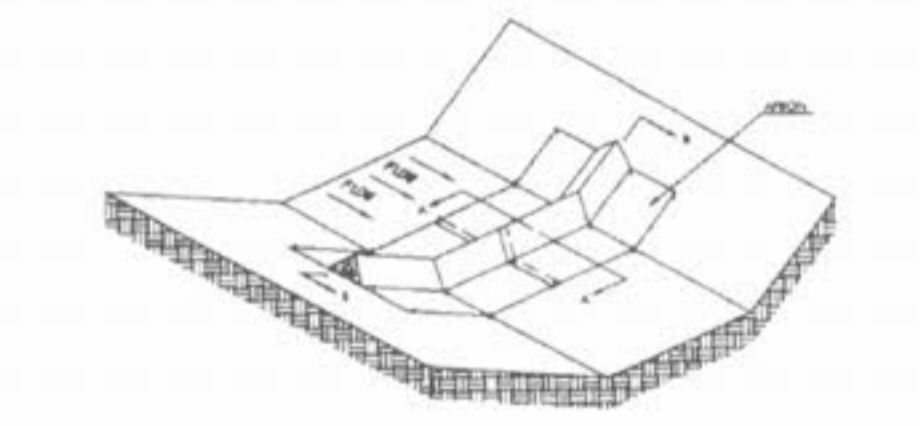
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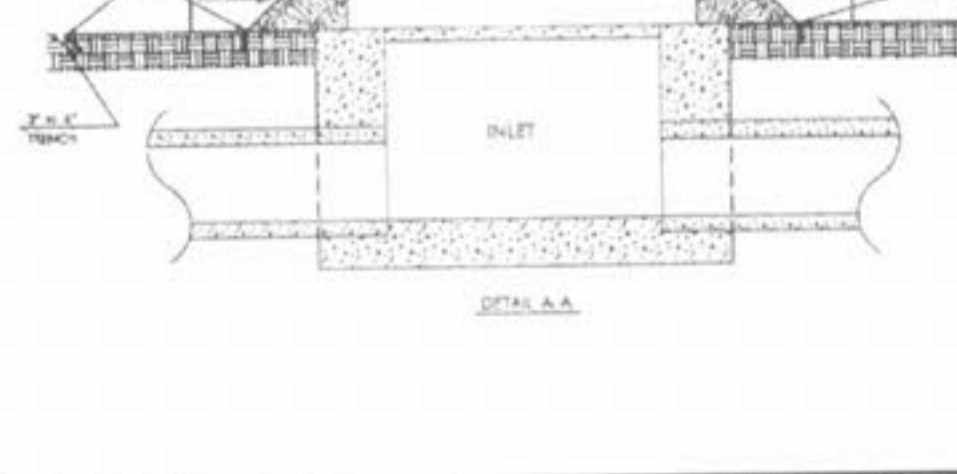
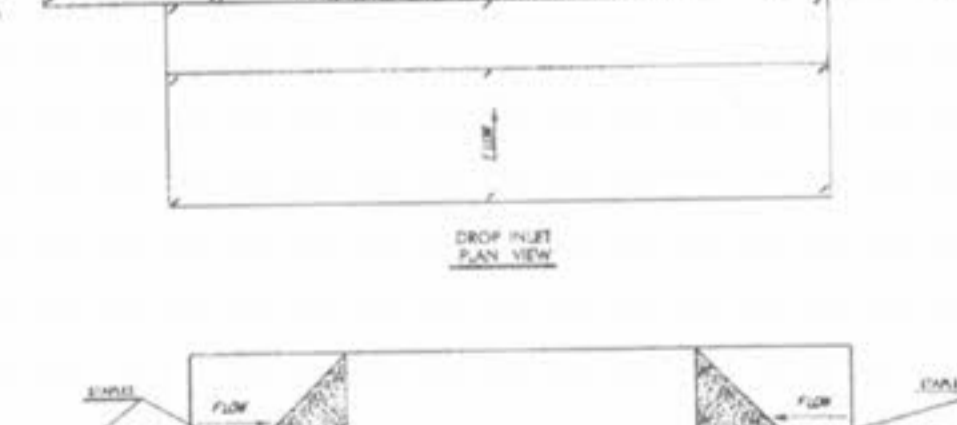
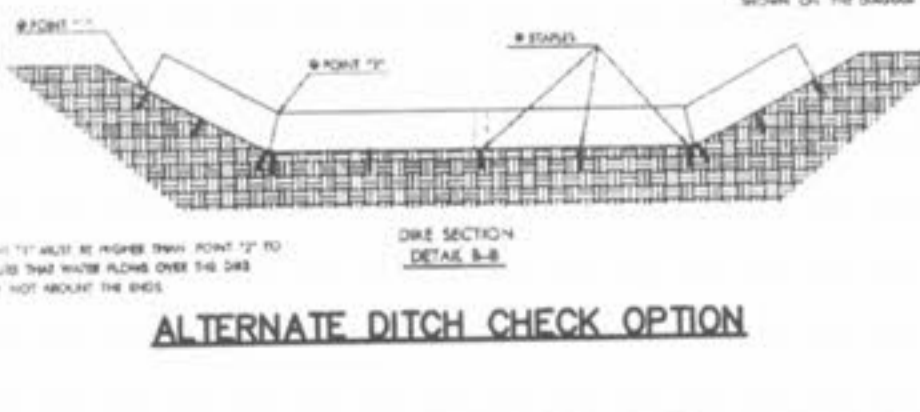
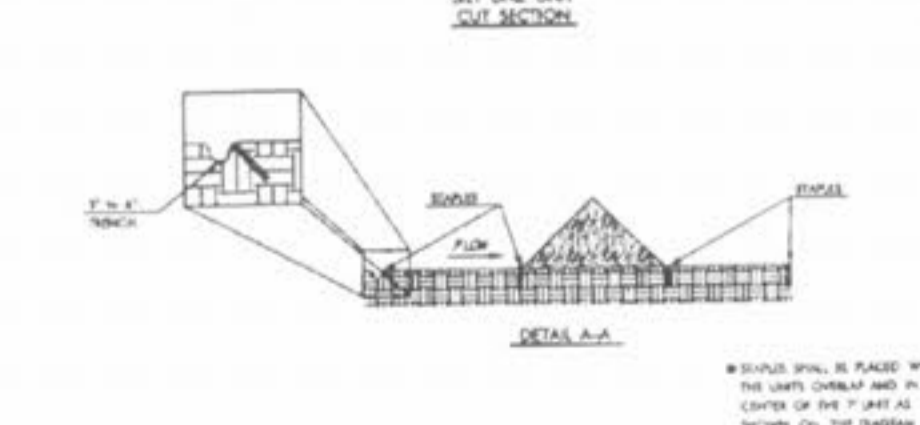
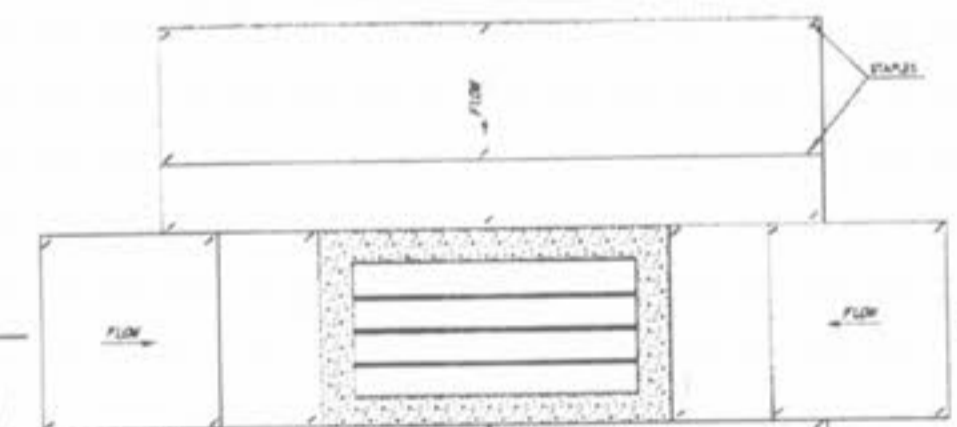
DITCH CHECKS

DESIGN	R.D.B.	SCALE	N.T.S.
CHECKED	R.D.B.	DRAWN	G.W.S.
SHEET	3 of 7	DWG. NO.	
DATE:			T3

TRIANGULAR SILT DIKE INSTALLATION FOR ROADWAY DITCH OR DRAINAGE DITCH



TRIANGULAR SILT DIKE INSTALLATION FOR DROP INLETS



STABILIZED CONSTRUCTION ENTRANCE/WASHDOWN AREA NOT TO SCALE

ISSUE: REMARKS/DATE

10	CITY COMMENTS 02/03/06
11	CITY COMMENTS 02/15/06
12	DCSD COMMENTS 02/29/06
13	DCSD COMMENTS 03/10/06
14	DCSD AND CITY COMMENTS 03/14/06
15	CITY COMMENTS 03/14/06
16	CITY COMMENTS 03/22/06
17	CITY COMMENTS 03/23/06
18	WATER DISTRICT #2 COMMENTS 03/27/06
19	DEVELOPER REVISIONS 03/24/06

PREPARED BY: *John Rhodes*

THE STERLING CO.
ENGINEERS & SURVEYORS
5055 NEW BAUMGARTNER ROAD
ST. LOUIS, MISSOURI 63129
(314) 487-0440 FAX: 487-9799
E-Mail: Sterling@sterling-eng.com

CMB RHODES, L.L.C.
5091 NEW BAUMGARTNER ROAD
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(314) 487-6717

PROJECT: **COUNTRYSHIRE**

NO. 02 12 311
M.S.D. P# 05
SHEET SC1
DIGITAL FILE LOCATION: S:\P\02-12-311-05-SC1

DRAWN: LG
DESIGNED: JCM
CHECKED: JH

SILTATION CONTROL DETAILS