Species	Se	eding Rate	Plant Characteristics					
Species	lbs. per acre	lbs. per 1,000 ft.2						
Oats	80	2	Not cold tolerant, height up to 2 feet					
Cereals: Rye/Wheat	90/120	2/2.5	Cold tolerant, height up to 3 feet, low pH tolerant					
Millets, Sudangrass	45 / 60	1 /1.25	Warm season annual, aggressive growth height up to 5 feet					
Annual Ryegrass	75	2	May be added to mix, not heat tolerant, height up to 16 inche					
Annual Lespedesza** plus Tall Fescue	15 plus 45	0.5 plus 1	Warm season annual legume, makes own nitrogen, tolerated low pH					

* In Areas receiving less than 30 inches of precipitation, use 75 percent of these rates.
** If there is any possibility the seeding will be required to control erosion for more than one year, then consider the addition of fescue or another permanent species as part of a mixture when seeding.

Species	Seeding Dates Optimum and Acceptable												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Αυί	9	Sep	Oct	Nov	/ Dec
Oats													
Cereals: Rye/Wheat													
Millets, Sudangrass													
Annual Ryegrass													
Annual Lespedesza** plus Tall Fescue													
* If site may not be developed iwthin one year, consider permanent species listed in Table 6.5.													
		•	•	•									
	Optimum Seeding Times												
	Acceptable Seeding Times												

		Acceptable Seeding Times													
Table 6.5 Planting Dates Optim	num and Acce	ptable	* Pla	nting Da	tes										
Species		Seeding Dates Optimum and Acceptable													
	Jan	Feb	Mc	ar A	.pr	May	Jun	Jul	Aug		Sep	Oct	No	V	Dec
Turf Fescue															
Tall Fescue															
Kentucky Bluegrass															
Perennial Ryegrass															
Ryetop															
Reed Canary															
Bermuda - Common															
Bermuda - Hybrid															
Buffalograss 1															
Zoysia2															
Birdsfood Trefoil															
Common Lespedeza															
Red Clover															
White Clover															
Wheat/Rye3															
Oats 3,4															
1 Can also be sprigged.	•											•	•	•	
2 Usually sprigged. Space plugs ev	ery 6,8 or 12 inc	hes with	4,000), 2,250 or	1,000	0 sprigs/1,00	00 sq. ft.	respectiv	ely						
3 Check with your local Noxious W	eed Departmer	nt before	e plar	nting											
4 Nurse crop only.															

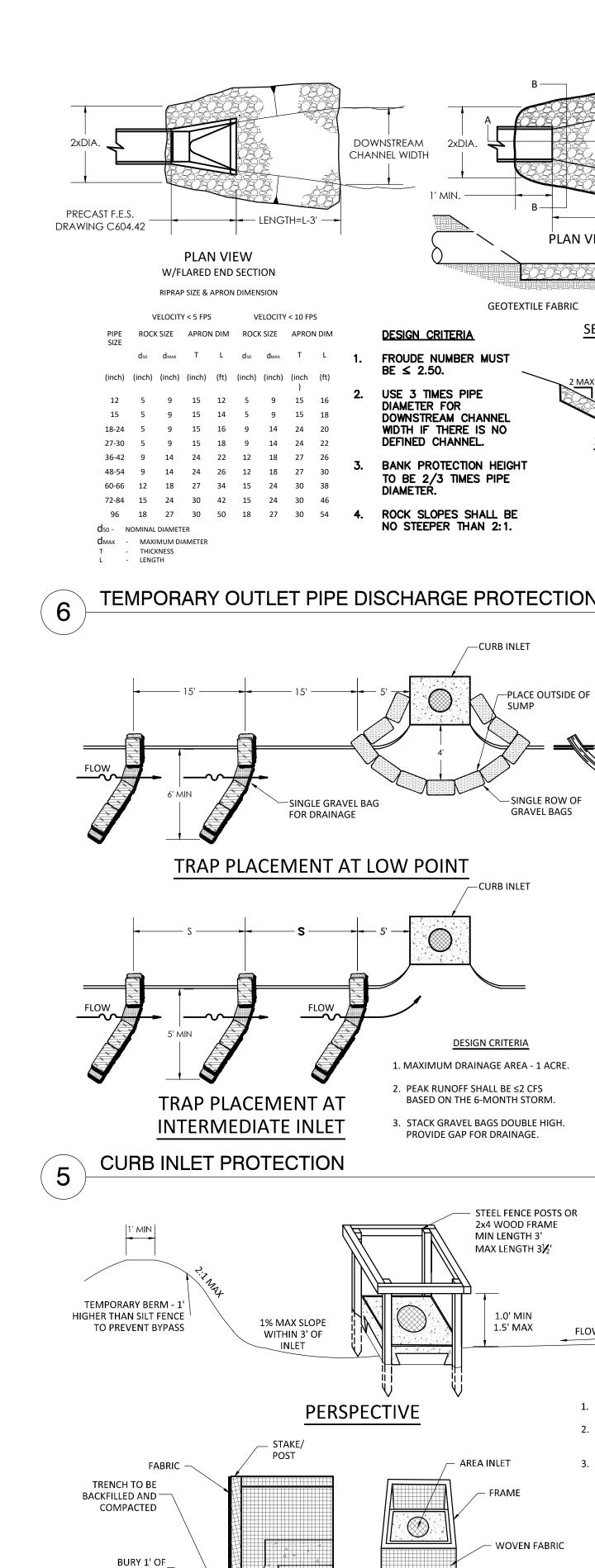
Table Key

Optimum Seeding Times

*with Mulch Cover Acceptable Seeding Times

Table 6.8 Seeding Rates								
	Species	Missouri: Full Seeding Rate1						
		lbs./acre (PLS)2						
S	Perennial Ryegrass	150						
sse	Canada wildrye	24						
<u>ı</u> ra	Tall Fescue	150						
) L	Crested Wheatgrass	16						
Cool Season Grasses	Kentucky Bluegrass	120						
Se	Bromegrass	100						
00	Redtop	8						
Ö	Reed Canary	40						
	Common Bermuda	4						
es	Hybrid Bermuda	-						
3SS(Buffalograss	8 (grain)						
Gr	Blue grama	6						
Warm Season Grasses	Zoysia	-						
eas	Sideoats grama	15						
کر	Little bluestem	13						
arı	Big bluestem	16						
\geqslant	Indiangrass	16						
	Switchgrass	9						
	Birdsfoot trefoil	10						
Legumes3	Annual lespedeza	16						
Ĕ	Red clover	12						
eg	White clover	4						
	Alfalfa	9						
ba I S	Wheat	1 bu./acre						
Compa nion Crops	Rye (cereal)	1 bu./acre						
8 - 5	Oats	1.5 bu./acre						

1. Note: Rates based on typical construction site conditions where seedbed is normally less than ideal. Planned future use or specific site conditions may dictate an incrase or descrease in rates. 2. PLS or Pure Live Seed = the amount of seed guaranteed to grow. 3. Legumes alone will not provide adequate erosion protection: use with a grass in a mixture.



6" MIN

DEPTH

ELEVATION

AREA INLET PROTECTION FABRIC DROP

DOWNSTREAM

CHANNEL WIDTH

DESIGN CRITERIA

USE 3 TIMES PIPE DIAMETER FOR

DEFINED CHANNEL.

BE \leq 2.50.

FROUDE NUMBER MUST

DOWNSTREAM CHANNEL WIDTH IF THERE IS NO

BANK PROTECTION HEIGHT

TO BE 2/3 TIMES PIPE

ROCK SLOPES SHALL BE

NO STEEPER THAN 2:1.

-CURB INLET

—CURB INLET

1. MAXIMUM DRAINAGE AREA - 1 ACRE.

BASED ON THE 6-MONTH STORM.

3. STACK GRAVEL BAGS DOUBLE HIGH.

STEEL FENCE POSTS OR

2x4 WOOD FRAME

MIN LENGTH 3'

MAX LENGTH 31/2'

1.5' MAX

WOVEN FABRIC

GATHER EXCESS FABRIC AT

CORNERS, OVERLAP TO THE

NEXT STAKE FOR JOINTS

- AREA INLET

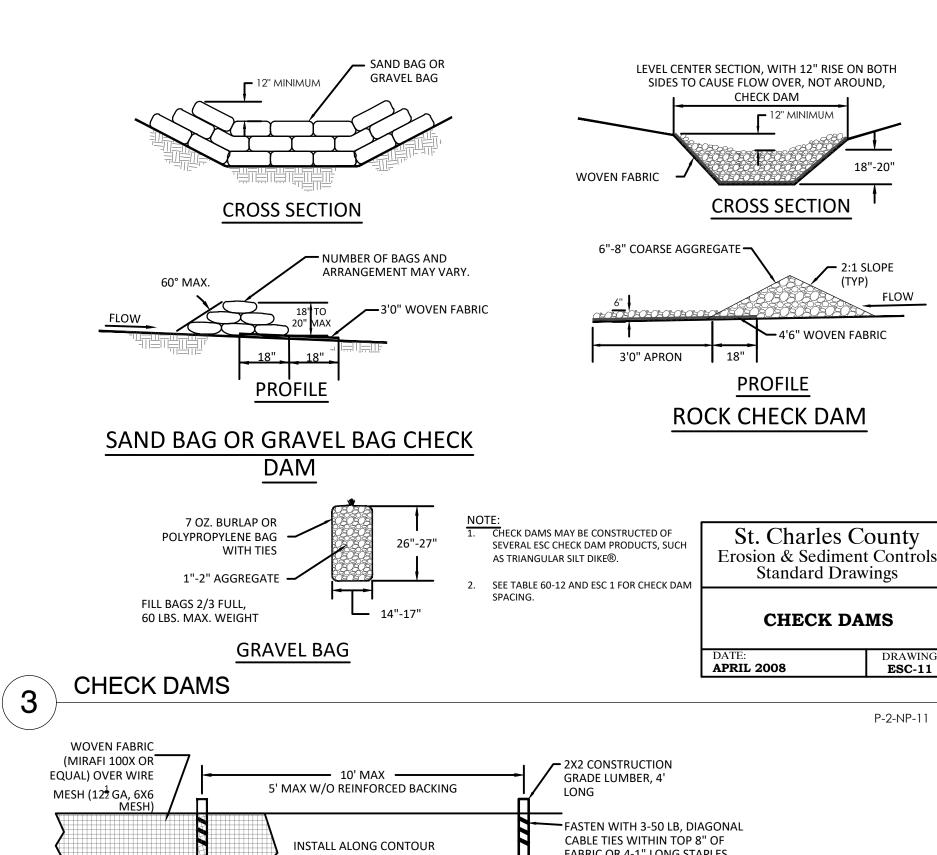
PROVIDE GAP FOR DRAINAGE.

2. PEAK RUNOFF SHALL BE ≤2 CFS

—PLACE OUTSIDE OF

—SINGLE ROW OF

GRAVEL BAGS



DOWNSTREAM

CHANNEL WIDTH

PLAN VIEW - OPEN PIPE

SECTION A-A

SECTION B-B

St. Charles County

Erosion & Sediment Controls

Standard Drawings

TEMPORARY OUTLET

PIPE DISCHARGE

PROTECTION

ESC-26

P-2-NP-26

—PLACE OUTSIDE OF

—SILT SOCK OR

SPACING OF TRAPS

St. Charles County

Erosion & Sediment Controls

Standard Drawings

CURB INLET

PROTECTION

DRAWING ESC-17

P-2-NP-17

GUTTER SLOPE LOW PT

3% MAX.

SILT SOCK

(ALTERNATIVE)

MARCH 2008

DESIGN CRITERIA

1. MAXIMUM DRAINAGE AREA - 1 ACRE.

ON A 6-MONTH STORM EVENT.

BE USED, SUCH AS FIITR FENCETM.

MARCH 2008

2. PEAK RUNOFF SHALL NOT EXCEED 2 CFS BASED

3. OTHER SEDIMENT PROTECTION PRODUCTS MAY

St. Charles County

Erosion & Sediment Controls

Standard Drawings

AREA INLET

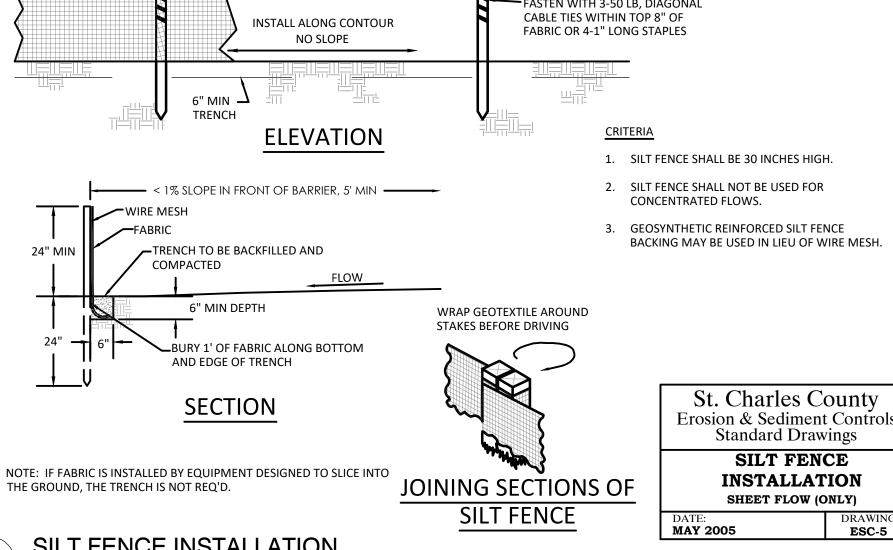
PROTECTION

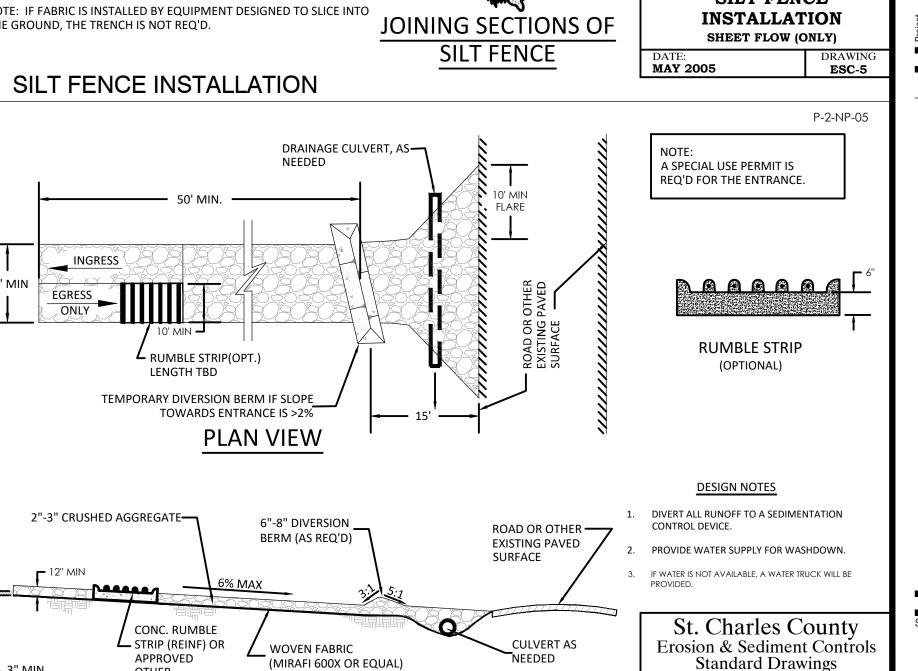
FABRIC DROP

ESC-14

P-2-NP-14

GEOTEXTILE FABRIC







UNDERGROUND UTILITIES AND OSHA SAFETY NOTE: Underground utilities and structures have been plotted from available information and therefore, their location must be considered approximate only. It is the responsibility of the individual contractors to notify the utility companies before actual construction. All O.S.H.A rules and regulations established for the type of construction required by these plans shall be strictly followed (ie. trenching, blasting, etc.)

DETAIL CONTROL

4/19/2024

engineering plans involved in this project and specifically excludes

SCOTT FELDT P.E.
PROFESSIONAL ENGINEER
PE 2021009371

EXTENSION

SEWER

C-302

2214120 D. STOSZ Checked By S. FELDT

– 3" MIN OTHER ENTRENCHMENT ENTIRE LENGTH **PROFILE**

CONSTRUCTION TRAFFIC WASH-OFF PAD

ESC-4 P-2-NP-04

CONSTRUCTION

TRAFFIC WASH-OFF

PAD

APRIL 2008

NOT RELEASED FOR CONSTRUCTION