

TUF	RF REINFOR	CEMENT	ΜΑΤ	FOR	CHANNEL	INSTA	LLATION	GENERAL	NOTES
\bigcirc	TURF REINFORC	EMENT MA	ts are	USED	TO PERMANE	NTLY STA	BILIZE DIT	CHES AND S	WALES.
B	EROSION CONTR	OL BLANK	ets may	′BE U	SED TO TEN	1PORARILY	STABILIZE	DITCHES A	ND SWALES.
0	TURF REINFORC								٥
D	STEP ONE: SI THE CHANNEL S WEEDS, CLODS, VOIDS AND MAK	SHOULD BE Stones,	FINE G Roots,	STIC	KS, RIVULE	TS, GULL	IES, CRUST		
E	STEP TWO: SE SEEDING WITHC		SHOULD) be a	PPLIED TO	THE AREA	TO BE VEG	ETATED.	
F	STEP THREE: TURF REINFORC A 6-INCH WIDE DIRECTION OF REINFORCEMENT REINFORCEMENT THE TURF REIN ANCHOR TRENCH THE COMPACTED REINFORCEMENT ON 12-INCH CE	EMENT MA BY 6-ING WATER FLG MAT SHOU MAT EXTE IFORCEMEN AND COME SOIL WI MAT. STA	TS SHAL CH DEEF DW ACRC JLD BE ENDING T MAT I PACT TH TH THE	L BE TREN SS TH LAID UPSTR N THE IE SOI REMAI	CH SHOULD E ENTIRE W IN THE CHE EAM OF THE CHECK SLC L. PLACE S NING 12 IN	T THE BE BE EXCAV IDTH OF CK SLOT ANCHORI T ON 12- EED OVER ICHES OF	ATED PERPE THE CHANNE WITH 30 IN NG TRENCH. INCH CENTE THE COMPA THE TERMIN	NDICULAR T L. THE TUR CHES OF TH STAKE OR RS. BACKFI CTED SOIL. AL END OF	O THE F E TURF STAPLE LL THE COVER THE TURF
G	STEP FOUR: T THE TURF REIN FIRST THE TUR NECESSARY TO OR IN AREAS C MATS SIDE BY BE CENTERED I REINFORCEMENT REINFORCEMENT ROW OF STAPLE	FORCEMEN RF REINFOR PREVENT A F CONCEN SIDE IN A N THE ARE MATS AWA	T MATS RCEMENT A SEAM TRATED A WATEF EA OF C AY FROM DULD BE	SHOUL MAT FROM WATER WAY T CONCEN THE OVER	D BE UNROL IS DEPLOYE GOING DOWN FLOW. WHE HE CENTER TRATED WAT CENTER OF LAPED 2 TC	LED IN T D IN THE THE CEN N INSTAL OF THE T ER FLOW. THE CHAN O 4 INCHE	HE DIRECTI CHANNEL B TER OF THE LING TWO T URF REINFO INSTALL A NEL BOTTOM S. CONTIN	ON OF WATE OTTOM. IT CHANNEL B URF REINFO RCEMENT MA DJOINING T . ADJOININ UE TO INST	IS ALSO OTTOM RCEMENT T SHOULD URF G TURF
H	STEP FIVE: C CHECK SLOTS S ENTIRE WIDTH CHANNEL. THE SHOWN. SECUR STAPLES OR ST UPSTREAM EDGE ROLLING THE T	HOULD BE OF THE CHECK SL RE TURF RE TAKES ON S BACK F	PLACED HANNEL OTS SH EINFORC 12-INCH ILL THE	AT 25 IOULD CEMENT I CENT CHEC	-FOOT INTE BE PLACED MAT IN TH ERS. FLIP K SLOT AS	RVALS AN IN A 6-I E UP STR THE TURF SHOWN AN	D AT THE T NCH WIDE X EAM SIDE O REINFORCE D COMPACT	ERMINAL EN 6-INCH DE F THE CHEC MENT MAT R THE SOIL.	D OF THE EP TRENCH AS K SLOT WITH OLL ON THE CONTINUE
I	STEP SIX: TL CONTINUE TO R SLOPES IN THE INSTALLED FRO RECOMMENDED W REINFORCEMENT WITH A MINIML 36 INCHES DOW THE TURF REIN OVERLAPPING T 4 INCHES OF C ANCHOR THE TL SAME MANNER A	COLL THE DIRECTION THE CHANNE THE THE UN THE THE UN THE THE THE THE THE THE THE DOWN - STAN THE DOWN - STAN THE DOWN - STAN THE THE THE THE	TURF RE DN OF T ANNEL E JP-SLOF ROXIMAT APLE EV NGTH. T MAT I STREAM N A SPL	INFOR HE WA OTTOM E TUR ELY 2 (ERY 2 IF TH S "SH TURF ICE.	CEMENT MAT TER FLOW. UP THE SL F REINFORC -4 INCHES 4 INCHES E TURF REI INGLED" WI REINFORCEM USE A STAP	ALONG T AS THE T OPE A SH EMENT MA ANCHOR CROSS TH NFORCEME TH THE U IENT MAT. CLE CHECK	HE CHANNEL URF REINFO INGLE TYPE T OVERLAPP THE TURF E WIDTH AN NT MAT NEE P-STREAM T THERE SH SLOT TO S	BOTTOM AN RCEMENT MA INSTALLAT ING THE LO REINFORCEM D ONE STAP DS TO BE S URF REINFO OULD BE MI ECURE THE	T IS ION IS WER TURF ENT MATS LE EVERY PLICED, BE S RCEMENT MAT NMUM OF OVERLAP.
J	STEP SEVEN: SECURE THE TL SLOT SIMILAR	JRF REINF(ORCEMEN					CHANNEL WI	ТН А СНЕСК
K	ONLY TURF REI	NFORCEMEN	NT MATS	S LIST	ED ON THE	QUALIFIE	D PRODUCTS	LIST MAY	BE USED.
	TURF REINFORC The following			CHANN	EL INSTALL	ATION SH	ALL BE PAI	D FOR UNDE	R
		01 CROWN 08 TEMPO 01 TURF 02 TURF	N VETCH DRARY S REINFC REINFC	H MIXT SEEDIN DRCEME DRCEME	MULCH) PE URE (WITHC G (WITHOUT NT MAT (TY NT MAT (TY NT MAT (TY	UT MULCH MULCH) PE I) PE PE II) P	PER UNIT R SQUARE Y ER SQUARE	ARD Y ARD	

EROSION CONTROL BLANKETS SHALL BE PAID FOR ACCORDING TO THEIR RESPECTIVE ITEM NUMBERS.

PAYMENT SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TURF REINFORCEMENT MATS.

REV. 1-22-03: CORRECTED LONGITUDINAL SEAM IN ISOMETRIC VIEW.

- 🖸 REV. 12-18-95: CHANGED DRAWING NO. FROM ESC-STR-35 TO EC-STR-36.
- REV. 5-27-01: CHANGED REFERENCE IN GENERAL NOTES FOR ALL EROSION CONTROL BLANKETS TO FLEXIBLE CHANNEL LINERS.
- REV. 4-1-08: REDREW REVISED GENERAL NOTES, ADDED STANDARD SYMBOL, REVISED INSTALLATION DETAILS.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

TURF REINFORCEMENT

MAT FOR CHANNEL

INSTALLATION

10-26-92 EC-STR-36

MOOTH PROFILE AND RELATIVELY FREE FROM ALL JLETS, GULLIES, CRUSTING AND CAKING. FILL ANY CTED PROPERLY. TO THE AREA TO BE VEGETATED. EMENT AT THE BEGINNING OF THE CHANNEL. _D BE EXCAVATED PERPENDICULAR TO THE WIDTH OF THE CHANNEL. THE TURF CHECK SLOT WITH 30 INCHES OF THE TURF THE ANCHORING TRENCH. STAKE OR STAPLE SLOT ON 12-INCH CENTERS. BACKFILL THE SEED OVER THE COMPACTED SOIL. COVER INCHES OF THE TERMINAL END OF THE TURF NAL END DOWN SLOPE OF THE ANCHOR TRENCH YMENT IN THE CHANNEL BOTTOM ROLLED IN THE DIRECTION OF WATER FLOW. DYED IN THE CHANNEL BOTTOM. IT IS ALSO OWN THE CENTER OF THE CHANNEL BOTTOM VHEN INSTALLING TWO TURF REINFORCEMENT ER OF THE TURF REINFORCEMENT MAT SHOULD VATER FLOW. INSTALL ADJOINING TURF OF THE CHANNEL BOTTOM. ADJOINING TURF TO 4 INCHES. CONTINUE TO INSTALL A COMMON THE LENGTH OF THE OVERLAP. AR TO THE FLOW DIRECTION ACROSS THE NTERVALS AND AT THE TERMINAL END OF THE ED IN A 6-INCH WIDE X 6-INCH DEEP TRENCH AS THE UP STREAM SIDE OF THE CHECK SLOT WITH IP THE TURF REINFORCEMENT MAT ROLL ON THE AS SHOWN AND COMPACT THE SOIL. CONTINUE STREAM OVER THE COMPLETED CHECK SLOT. MENT ON THE SIDE SLOPES MAT ALONG THE CHANNEL BOTTOM AND SIDE V. AS THE TURF REINFORCEMENT MAT IS SLOPE A SHINGLE TYPE INSTALLATION IS DRCEMENT MAT OVERLAPPING THE LOWER TURF ES. ANCHOR THE TURF REINFORCEMENT MATS ACROSS THE WIDTH AND ONE STAPLE EVERY REINFORCEMENT MAT NEEDS TO BE SPLICED, BE SURE WITH THE UP-STREAM TURF REINFORCEMENT MAT CEMENT MAT. THERE SHOULD BE MINMUM OF TAPLE CHECK SLOT TO SECURE THE OVERLAP. AT THE TOP OF THE CHANNEL SLOPE IN THE TERMINAL END OF THE CHANNEL WITH A CHECK NNING OF THE CHANNEL. HE QUALIFIED PRODUCTS LIST MAY BE USED. ALLATION SHALL BE PAID FOR UNDER PER UNIT THOUT MULCH) PER UNIT OUT MULCH) PER UNIT (TYPE I) PER SQUARE YARD (TYPE II) PER SQUARE YARD 805-01.03 TURF REINFORCEMENT MAT (TYPE III) PER SQUARE YARD