





1. HOWARD COUNTY NOTIFICATION



- PROR TO FINAL ACCCPRACEE BY COUNT.

2. STANDARDS AND SPECIFICATIONS



3. INGRESS/EGRESS CONTROLS



4. INSPECTION

5. SHUTDOWNS AND OR PENALTTES


6. RECORD KEEPING

EROSION AND SEDIMENT


1994 MARYLAND STANDARDS
AND SPECIFICATIONS FOR SOIL
EROSION AND SEDIMENT CONTROL
ERTSION AND SEDIMENT CONTROL
DETALL NO. TITLE

OTHER PROTECTION MEASURES
TREE Protection (SEE dwa. SC-3)
7. OFF-SITE UTILITY WORK




8. SENSITIVE AREAS

9. SITE INFORMATION $\triangle$ *(Not for bidong purposes)


10. CHECKLIST FOR REQUIRED INSPECTIONS
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M
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## STANDARD SYMBOLS

| Earth dike | ( $\mathrm{A}-2 / 2$ |
| :---: | :---: |
|  | $\stackrel{A-2}{ } \xlongequal{8-3}$ |
| Permeirr dike/swale | $\stackrel{\text { P/ }}{\text { P/s-1 }}=$ |
| Permeer oike/Swale STONE CHECK DAM | (4) |
| STONE OUTLET STRUCTURE |  |
| fence* | $1-\mathrm{sf}-\mathrm{sf}-1$ |
| Super silf fence* | $1{ }^{\text {sff }}$-ssf-1 |
| stean bales | $\stackrel{-}{\text { - Sq }}$ |
| Stanorro inle protectow. | - $\square_{\text {s }}$ |
| at crene nile protectow | - AGP |
| Curb mlet proticton | \% ${ }^{\text {cip }}$ |
| CURB $\operatorname{NLLET}$ PRotection | 50, MP |
| Gabion wfilow 'protection | [國 |
| RIPRAP Nelow frotection | - ${ }^{\text {a }}$ |
| SuMP Prim | - Sp |
| removable pumping station | $\triangle$ PPS |
| Poorialie semment tank | - PST |
|  | - $\lambda^{18}$ |
| TEMPORARY BERM | TB) |
| PIPE SLOPE DRAIN |  |
|  |  |
| soll stabluzato mating | [पु |
| PLACED RPPAP OITCH | 15 |
| chibons | $\square \square$ |
| CONCREIE GUTER |  |
| STONE OUULET SEEMENT TRAP | $\longmapsto$ |
| RRPRAP OUTLET SEMMENT TRAP | $\longmapsto$ |
| STONE/RPRAP OULLET SEOMENT TRAP | $\rightleftarrows$ |
| .ppe ouria semment trap | $\square$ |
| limt of oistubealce* | - 100 |
| Exsting contours* | -100 |
| Proposed contours* | -100 |
| TREE Protections | トт-T¢ |
| SwM Gravel trench* |  |

best manacevent practices for WORKING IN NONTIDAL WETLANDS, NOTIDAL WETLANDS BUFFERS, WATERWAYS, AND 100 -YEAR FLOODPLAINS


OVERALL PROJECT SEQUENCE OF CONSTRUCTION
CALL 'msS utulu' at 1-800-257-7777 48 hours before anv constructoon is to began

3. Pace stabilzed constructoon emrances at all ponis of easemeñ access frou exsting roans.

5. SToCKple topsol.


8. vegeatively stabiliz backflled trench ano structure sties as work prooresses.
9. Notif emvionueril couplance secton (ECS, 410-313-1880) And obetan approval to rewove
10. permanenily stablize any areas distured during cleanvp atitites.
11. ExCayation frou trenching opegations shall be placeo on the uphll side of the trench.


 | DEPARTMENT OF PUBLC WORKS |  |
| :--- | :--- |
| HOWARD COUNTY, MARYLAND. | $\begin{array}{l}\text { pegpare By: } \\ \text { WHITMAN, REQURDT } \& \text { ASSOCIATES, LL }\end{array}$ |








## SECTION V - TURF GRASS ESTABLLSHMENT

SECTION II - TEMPORARY SEEDING
 A. SEED MxXTres - Temporary seong

 RECOMMENU
SEEDMM

| TEMPORARY SEEDING SUMMARY |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SEED MIXTURE (HARONNESS ZONECROM MRCS-MD TABLL1 |  |  |  |  | $\begin{aligned} & \text { Fepriluzer Rate } \\ & (10-10-10) \end{aligned}$ | Lume rate |
| N0. | SPecies | $\begin{aligned} & \text { APPLCATION } \\ & \text { RATE (B/AC) } \end{aligned}$ | SEEDMG dates | $\begin{gathered} \text { SEEDNG } \\ \text { DEPRHS } \end{gathered}$ |  |  |
|  | ANWUL RYEERASS | 40 | $\begin{array}{lllll}\text { MAR } & 1 & \text { TO } & \text { MAY } & 15 \\ \text { AUG } & 1 & \text { TO } & \text { OCT } & 15\end{array}$ | 0.5" | $\begin{aligned} & (1500 \mathrm{LB/AC} / \mathrm{ACF} \\ & (15 \mathrm{BF} / 1000 \mathrm{SF}) \end{aligned}$ |  |

SECTION III - PERMANENT SEEDING
 A. SEED MxTures - PERMANENT SEEDNG




 PERMANENT SEEDING SUMMARY

| SEED MIXTUEE (HARDNESSS ZONE 6B)FROM NRCS-MD TABLE 4 |  |  |  |  | $\begin{aligned} & \text { FERTILIZER RATE } \\ & (10-20-20) \end{aligned}$ |  |  | LIME RATE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. | Species | $\begin{aligned} & \text { APPLCATON } \\ & \text { RATE (BB/AC) } \end{aligned}$ | seedng dates | $\begin{array}{\|l\|} \hline \text { SEEDMG } \\ \text { SEPH HS } \end{array}$ | N | ${ }^{\text {P205 }}$ | K20 |  |
| 11* |  | $\begin{aligned} & 30 \\ & 30 \\ & 20 \\ & 20 \\ & 15 \end{aligned}$ | MAR 1 TO MAY 3 <br> AUG 1 TO SEPT 30 | 1/4-1/2 |  |  |  |  |



SECTION IV - SOD: to provode quck cover on disturbee areas (2:1 grade or fatter).
A. general specifications

1. Class of tupa grass soo shal eg marlaiv or vrgan staie cerified or appoved. soo labels shall be




B. 500 Installation




 C. 500 MANTENANCE

II. Afiter the frrst week, soo waterng is reoureo As necesshry to mannan adeouate mosture convent.


| MAINTENANCE FERTILIZATION FOR PERMANENT SEEDINGS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| USE SOIL TEST RESULTS OR RATES SHOWN BELOW |  |  |  |  |  |
| SeEong mxure | TPE | LB/AC | Lb/1000 sf | TME | Mownc |
| TALL FESUUE MWEES UP 70\% OR HORE OF COVER | $\begin{aligned} & 10-10-10 \\ & 30-10-10 \end{aligned}$ | $\begin{aligned} & 500 \\ & 400 \end{aligned}$ | $\begin{aligned} & 11.5 \\ & 9.2 \end{aligned}$ | Yearil oras neiedo. |  <br> DESSRED |
| $\begin{aligned} & \hline \text { CROWNVETCH } \\ & \text { SERICEE LESPEDEZA } \\ & \text { BIRDSFOOT TREFOIL } \end{aligned}$ | 0-20-0 | 400 | ${ }^{9.2}$ | spang the Yer folumimg ESTABLISHMENT AND EVERY $4-5$ YEARS THEREAFTER | Do Not mow crownvech |
| FAIRLY UNIFORM STAND OF TALL FESCUE AND SERICEA LE OR BIRDSFOOT TREFOLL | 5-10-10 | 500 | 11.5 | FALL THE YEAR FOLLOWING ESTABLISHMENT AND EVER $4-5$ YEARS THEREAFER |  |
| WEEPING LOVEGRASS \& SERICEA LESPEDEZA FARLY UNFORM PLANT DISTRIBUTIN Pun | 5-10-10 | 500 | 11.5 | SPRING, THE YEAR FOLLOWNG STABLLSHMENT AND EVERY 4-5 YEARS THEREATER. |  |
| RED \& CHEWNG FESCUE, KENTUCKY BLUEGRAS FESCUE MIXTURES | 20-10-10 | 250 | ${ }^{5.58}$ |  DECEMBER, MAY IF NEEDED. | you no cosse then $2^{2}$ For Ruberws, 3 For fisule |



 A. TURF GRRSS MXTURES










B. IDEAL TMES OF SEEONG

WESTERN MO: MARCH 15 - JUNE 1 , Aucuss 1 - octoger 1 (haroness Zones - 58, 6e)
Ceniral mo march 1 - Mar 15, AUGUST 15 - octooer 15 (HARPNESS ZONE - 68)
SOUHHERN MO, EASTERN SHORE: MARCH 1 - MAY 15, AUGUST 15 - octoeer 15 (HARONLESS ZONES - 7A, 78) c. Rrfaction
 D. REPARSS ANO MANTEANCE











Sit
SLLT FENCE

| Stope staoposss, | Silt fenco Dosi ing Criterio |  |
| :---: | :---: | :---: |
|  | (Maximum) Slope Length | $\begin{gathered} \text { (Maximum) } \\ \text { Silt Fence Length } \\ \hline \end{gathered}$ |
| Flotier thon 50:1 | Uni imitod | Unl imitad |
| 50.1 to 0:1 | 125 feot | ${ }^{1.000}$ foot |
| 10:1 to 5:1 | 100 foot | ${ }_{750}$ foot |
| 5:1 to 3:1 | ${ }^{60}$ foet | 500 foot |
| 3:1 to 2:1 | ${ }^{40}$ foet | 250 foot |
| steper | 20 feet | 125 feet |
|  <br>  |  |  |
| U.S. | ${ }_{\text {Pate }}^{\text {Pa }}$ | Marcheo |

DETAIL 33 - SUPER SILT FENCE



onstruct








$\qquad$
SUPER SILT FENCE

Dosign Criterio

| Slope |  |  |  |
| :---: | :---: | :---: | :---: |
| - -10\% | - -0:1 | Uni imited | Unitimitod |
| 10-20\% | 10:1-5:1 | 200 foot | 1.500 foot |
| 20-33\% | 5:1-3:1 | 100 foot | 1.000 foot |
| 33-50\% | 3:1-2:1 | 100 foot | 500 foot |
| 50\% + | 2:1 + | 50 foot | 250 foot |



DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE


Length - minimm of $50^{\prime}$ ( **30' for singio resi itance 10t).













$\frac{\text { PLASTIC MESH TREE PROTECTION FENCE }}{\text { no sale }}$


THE crancu foor zout (cra):


$\frac{\text { Norres }}{1 . \text { Retemion }}$

 $\frac{\text { ROOT PRUNING DETALL }}{\text { No sale }}$

## TREE CONSERVATION NOTES

PRe-CONSTRUCTION ACTVITIES


auze oruce fancre:







## Construction Phase


.and



POST-CONSTRUCTION actuvities







