

## GENERAL NOTES



3. Horzontal and verical surver conrrols:


4. ALL PIPE Elevations shown are nveri geevations unless otherwse noted on the plans.







 8. where test pis have been made on exsting uturies, they are noteo by the smbel at the locations of the test pis. (for this contract, no test pis
 ExXeNSE.
9. THe contractor shall notry the folowng utury companes or agences at least fine workng days before starting work shown on these plans
BGE (CONSTUUCTON SERV)
BGE (EWEREENCY). $\qquad$ $410-850-4200$
$410-665-1400$
 $\qquad$ -631-4000 ${ }_{-\quad . \quad 11-1-80-250-743-7777}^{1-0033} / 410-224-9210$





14. Valves Adaceen to tees shall be stapped to tees.

 HYORANT SHALL BE COMPACCED IN ACCORDANCE WTH SECTON 1000 AND 1005 OF THE STANOARD SPPCEFFCATIONS
13. THe contrector shall not opebate any water man valyes on the exsing water system.





 . when ductie ppe water man is called for, it shall be d.lp. class 54 uness otherwie noted.
. FOP PPE TRENCH Detall, SEE HOWARD COUNY STANOARD DEEALIL G-2.12
 24. THS PROJECT IS WELL ABOVE THE 100 YEAR FLOODPLAN.
25. all ppe fitings shall be ductile ren wit epoxy coating, nstalled wit one 17 pouno manesum anooe.


## 



| ABBREVIATIONS |  |
| :---: | :---: |
| ${ }^{\text {AC }}$ | ACRE(S) |
| ${ }^{\text {APPROXX }}$ | APPRoxMMAIE |
| ${ }_{\text {ARWMA }}$ | American water work asocia |
| ${ }_{c}^{\text {c }}$ | centerine <br> COURT |
| crs | Continutr test station |
| 0 | Dran mit min |
| ${ }_{\text {dPW }}$ |  |
| DWG. | DRAWM |
| - | ELECTRC, |
| Eliev, el | EACH |
|  | Etcetira |
| EX. | ExSTING |
| ${ }^{\text {FH }}$ | Fre hiorant |
| fig. | Figure |
| ${ }^{6}$ | Foor, feet |
| ${ }_{\text {GAB }}$ | gas |
| ${ }_{\text {HB }}$ | Horizontl end |
|  | HTORALLC GRAOENT |
| HorR. | Horzonfl |
| 1 N . | INERT |
| L | Lencit |
| $\stackrel{18}{5}$ | POOND(S) |
| ${ }^{100}$ | LINEAR FOOT/FEET |
|  | LImir of iliturbance |
| MD | MAPr ${ }^{\text {and }}$ |
|  | MNMWM |
| MoN. | MONUMENT (PROPERT) |
| . | MEASUREMENT |
| NA, N/A | norit |
| NAD | - |
| Navo | North american verical datum |
| No. |  |
| OD | NATIONLL RESOURCE CONSEEVVATON SERVCE |
| ${ }_{\text {pC }}$ | OUTISEE DIAMEER |
|  | Pen or litescio |
| ${ }^{\text {R }}$ | PROPERRT LINE |
|  | POPAR |
| ${ }_{\text {PT }}^{\text {PS }}$ | POUNOS PER SOUARE NCH |
| PVC | Poin of tancency |
| R | Patus |
| R/C | REBAR \& CAP |
|  |  |
| R/W | RCGHT-OF-WAY |
| $\stackrel{s}{5}$ | SEwER, SOUTH |
| SCE | SEmMENC CONROL |
| SF | SIIT FENCE, SUUAAEE FOOT/FEET |
| STA. | Station |
| SwM | STORMMAIER MANGGELENT |
| T | TAMEENT |
|  | TREE PROIECCTON |
| USOA | UNTED STAATES Departuent of agriclutur |
| VB | VALVE |
| vert. | Verrical beno |
|  |  |
|  |  |

LEGEND

$a^{\Delta} \quad \begin{gathered}\text { TRAVERE PI } \\ \text { BENCHMARK }\end{gathered}$
$\qquad$
EPARTMENT OF PUBLIC WORIS
HOWARD COUNTY, MARYLAND.
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 801 South Cardine Street, altimore, w10 21231

| DES: ACM |
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| PRN: ACM |
| CHK: Jov |
| PATE: $9 / 28 / 11$ |







## 

2. STANDARDS AND SPECIFICATIONS


3. INGRESS/EGRESS CONTROLS



4. INSPECTION

5. SHUTDOWNS AND OR PENALTIES



6. RECORD KEEPING



EROSION AND SEDIMENT


$\frac{1994 \text { MARYLAND STANDARDS }}{\text { AND SPECIFICATIONS FOR SOIL }}$
RROSION AND SEDIMENT CONTROL
Detall No. title

OTHER PROTECTION MEASURES
TREE PROTECCTON (SEE Dw. SC-3)
9. OFF-SITE UTLUTY WORK




10. SENSITIVE AREAS



11. SITE INFORMATION * (NOT FOR BIDOMG PURPOSES)


12. CHECKLIST FOR REQUIRED INSPECTIONS


TYPE OF INSPECTION

3. PROR To modrciation or rewoval of sedmen conrrol





5. OPEN CHAMEL FLLW ATENUATON (NOT APPLCABEE ON THIS

6. REEENTION/DEEENTINN STVUCTURESS AASNS/PNONS


BEST MANAGEMENT PRACTICES FO
BUFFERS WATERWYYS AND/OB 100 -YED











10. STTRRMMATER RuNoff frow wperwous surfaces shall be conrrolled to prevent the washing of
11. CuUERT(S) SHALL BE CONSIRUCIED AND ANM RPRAP PLACED SO AS NOT TO OBSTRUCT THE MOVEMENT OF

## OVERALL PROJECT SEQUENCE OF CONSTRUCTION

1. Call 'miss uturr' at $1-800-257-777748$ hours before any constructon is to begn.


2. Place stailize constructoon enrances at all ponis of easeumin access frou exstivg ranos.





B. vegetativel staillze backflled trench and stuucture sttes as work procresses.

3. Pernanevily stabilize ank areas distureed durng cleanup activites.



## SECTION II - TEMPORARY SEEDING


A. SEED mxurues - temporary seeonc


TEMPORARY SEEDING SUMMARY

| SEED MxTUUE (HARDNESSS ZONE 6B)FROM NRCS-MD TABLE 1. |  |  |  |  | $\underset{\substack{\text { Fegrill } \\(10-10-10) \\ \text { Rate }}}{ }$ | LMME RATE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. | Speceles | $\begin{aligned} & \text { APPLCATON } \\ & \text { RATE (LB/AC) } \end{aligned}$ | seeong dates | ${ }_{\text {SEEMG }}^{\text {Sepris }}$ |  |  |
|  | ANWUAL Regeras | 50 | MAR 1 To MaY <br> AUS 1 To oct 15 <br> 15 | 0.5" |  |  |

SECTION III - PERMANENT SEEDING
 A. seed mxurues - permanent seeong





PERMANENT SEEDING SUMMARY

| SEED MXXURE (HARONNESS ZONEFROW NRCS-MM TABLE4 |  |  |  |  | $\begin{gathered} \text { FERTIIIER RATE RTE-20) } \\ (10-20) \end{gathered}$ |  |  | LIME RATE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No. | Spectes | APPLCATON RATE $(L B / A C)$ | SEEDNG dates | $\begin{array}{\|l\|l\|} \substack{\text { EEEDNG } \\ \text { DEFFHS }} \end{array}$ | N | ${ }^{\text {P205 }}$ | K20 |  |
| 11* | reEPMg Red fescue CHEWNG FESCUE <br>  ROUCH BULEGRASS | $\begin{aligned} & 30 \\ & 30 \\ & 30 \\ & 15 \end{aligned}$ |  | $1 / 4-1 / 2^{\prime \prime}$ |  |  |  |  |


MAINTENANCE FERTILIZATION FOR PERMANENT SEEDINGS

| SEEDNG MXTURE | TPE | ${ }^{\text {LB/AC }}$ | LB/100 Ss | TME | Hownc |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Tiall fiscue wies vi } 70 \% \\ & \text { OR wore of Cover } \end{aligned}$ | $\begin{aligned} & 10-10-10 \\ & 30-10-10 \end{aligned}$ | $500$ | $\begin{aligned} & 11.5 \\ & 9.2 \end{aligned}$ |  | NOT CLOSER THAN 3 " IF OCCASIONAL MOWING IS DESIRED |
|  | 0-2 | 400 | ${ }^{9.2}$ | SPRING, THE YEAR FOLLOWING ESTABLISHMENT AND EVERY $4-5$ YEARS THEREATER | Do Not Mow crowneech |
|  | 5-10-10 | 500 | 11.5 | FALL THE YEAR FOLLOWING ESTABLISHMENT AND EVER $4-5$ YEARS THEREAFTER <br> - | $\begin{aligned} & \text { NOT REQURED, NO CLOSER } \\ & \text { THAN } 4^{"} \text { IHE THLL AFTER } \\ & \text { SED HAS MAURED. } \end{aligned}$ |
|  | 5-10-10 | 500 | 11.5 | SPRING, THE YEAR FOLLOWNG ESIABLISAMEN NARD EVER $4-5$ YEARS THEREATER. |  <br>  |
| RED \& CHEWNG FESCUE, KESCUE MXXURES | 20-10-10 | $\begin{aligned} & 250 \\ & 100 \end{aligned}$ | 5.8 | SEPTEMBER, 30 DAYS LATER, IF NEEDEDE IF | MOW NO CLOSER THAN $2^{\prime \prime}$ FOR RED FESCUE AND KENTUCKY BLUEGRASS, $3^{n}$ FOR FESCUE. <br> BlUEGASS, 3 FOR FESCU |

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B. IDEAL TMES OF SEEONG

NESTER MO: MARCH 15 - JUNE 1, AUUUST 1 - octoesR 1 (HHRRONESS ZONES - 5B, 6i)
CENTRAL MO: MARCH 1 - MAP 15, AUGUST 15 - OCTOEER 15 (HARPONESS ZONE -6B)
 c. IRRGGATION

## 

 D. REPARS ANO MANTEENACE





SECTION V - TURF GRASS ESTABLISHMENT


 A. TURF GRASS MXXTURES











1. class of turg gras soo shal be marland or vrana state cerified or approved soo labels shall be





b. 500 nstallation



 c. 500 mantenance

II. ATER THE FIRST WEEK, SOD WAIERNG IS Required As Necessarer to mantan adeouate molsure content.



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$\frac{\text { PLASTIC MESH TREE PROTECTION FENCE }}{\text { wo sule }}$





DETAL - ROOT PRUNING

## TREE CONSERVATION NOTES

PRE-CONSTRUCTION actviTIES



3.



$\frac{\text { CONSTRUCTION PhASE }}{\text { A. ECMWEE MO MOCR }}$





POST-CONSTRUCTION aCTIUTIES


DETALL - TREE PROTECTION

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[^0]:    

