

2. ALL Horizontal controols afe based on marriano state coorina
3. all vertical controll are based on u.s.g.s. data ngvoz9
4. All pipe Ele inations shown are invert elevations unless otherwise noted






8. Contractor shal notiry th following utilit coupaies or agence at leas
















19. TTPS OF ALL water mains Shall have a minimm of ${ }^{\prime}{ }^{\prime}$
20.valles Adoacent to tees shall be strapped to tes.

21-AL FITTINGS SHAL EE EUTTRESED OR ANCHORED WITHH CONCEETE IN ACCOROANE WITH

23. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MANTNVALVES ON THE EXISTING WATER SYSTEM,





27. THE Contactoon shal provide suyve construction stakeut for all necessary lines,


## HARDING ROAD WATER MAIN LOOP HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT No. W-825 CONTRACT No. 44-4102


> TYPE OF BULLDING:
> N/A
> number of parcels: N/A
> $\begin{aligned} & \text { NUMBER OF WATER HOUSE CONNECTIONS: N/A } \\ & \text { ORANAGE AREA: } \\ & \text { MIDLLE PATUXENT. }\end{aligned}$
> RESSURE ZoNe
> $\begin{aligned} & \text { PRESSURE Zone: } \\ & \text { WATER TEST GRADIENT }\end{aligned}$
> $\begin{aligned} & 550 \\ & 850\end{aligned}$

OR COUNTY USE ONL

HOWARD COUNTY GEODETIC SURVEY CONTROL THE HORIZONTAL AND VERTICAL DATUM BASED ON NADB3(91) (HORIZONTAL
NGVD29 (VERTICAL)
NO. BAS8
N 53899.730
E 1340077.863
No. 46 CC3
N 537405.865
N. 537405.865
E 137756.237
E.EV

| INDEX OF Sheets |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| Quantities |  |  |  |  |
| ITEM | UNIT | Estimate | As-bult | MATERIAL Supplier |
| $8^{\prime \prime}$ pre mater | L.F. | $2480^{\circ}$ | $2462^{\prime}$ | BRistoliple C.9000 M Mt |
| $8^{8}$ | $\underbrace{\text { Each }}_{\text {ERCH }}$ | $\stackrel{4}{5}$ | 4 | MUELLER |
|  | ${ }_{\text {Etach }}^{\text {Each }}$ | 5 | 5 | MUELLER |
|  | EaCH | 1 | 1 | MUELLER |
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| chteckex |  |  |  |  |
| SS-UuIT DAIE: ${ }^{\text {c }}$ |  |  |  |  |
| Suveve Mo oreticg onson |  |  |  |  |
| RESTORATION SCHEDULE |  |  |  |  |
| Location |  | Distance | TYPE |  |
|  | 2+i+80 | $\frac{200}{2198}$ | Stiction |  |
| (intiat |  | ${ }_{56}$ |  |  |
| LEGEND |  |  |  |  |
| Decluous tree |  | $\begin{array}{r} 104 \\ -\quad 日 十 \\ \hline \end{array}$ | Existing | Fre htorant |
|  |  | -w- EXISTING WATER MAIN |  |  |
| conferous tree |  |  |  |  |  |
| TRAVERSE POINT WATER MAIN |  | $\bigcirc-\infty-$ ExSTIN EMRED SERVICE |  |  |
| frie hyorant |  |  |  |  |
| valve |  |  |  |  |
| Water Hovse comection |  |  |  |  |
| Lumt of disturbance |  |  |  |  |

## SUGGESTED VALVE SEQUENCE

construct mater main.
 5. RE-OPEN VALVES ' $A^{\prime}$ AND ' $B^{\prime}$ '
6. Close valve 'c' (ve) at sweet cherry la. south of cherry stone c
7. Make commection at sta. o+


DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND








