

DATE: 7/15/97

BY NO.

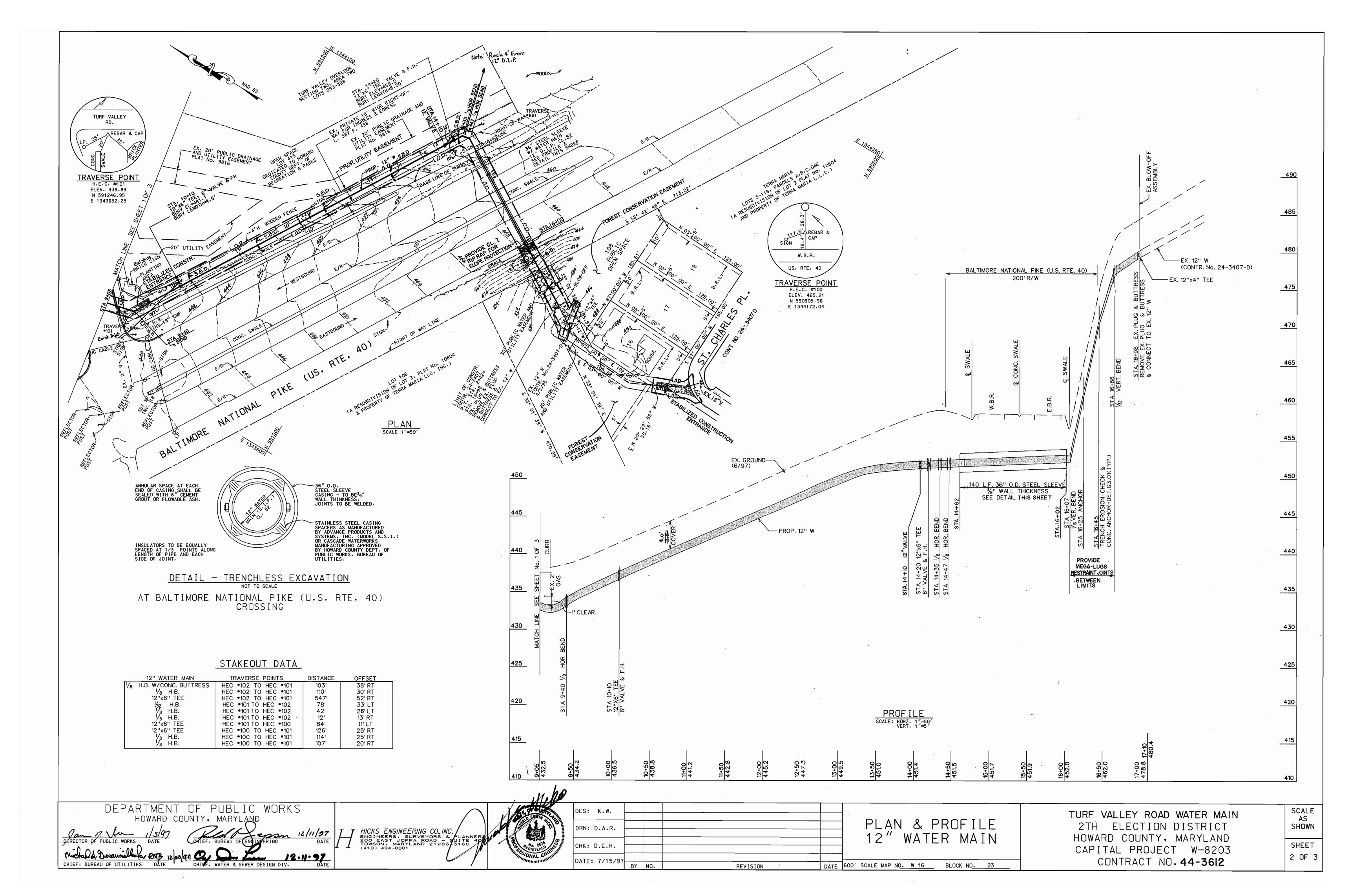
REVISION

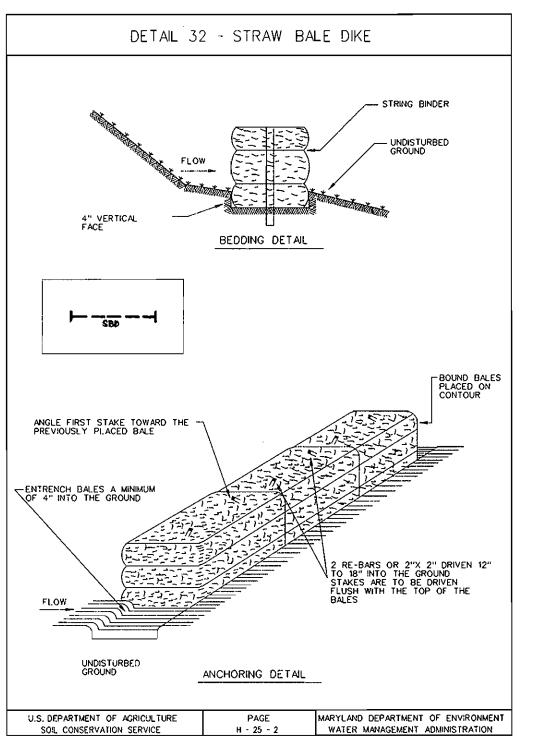
DATE 600' SCALE MAP NO. W 16

BLOCK NO. 23

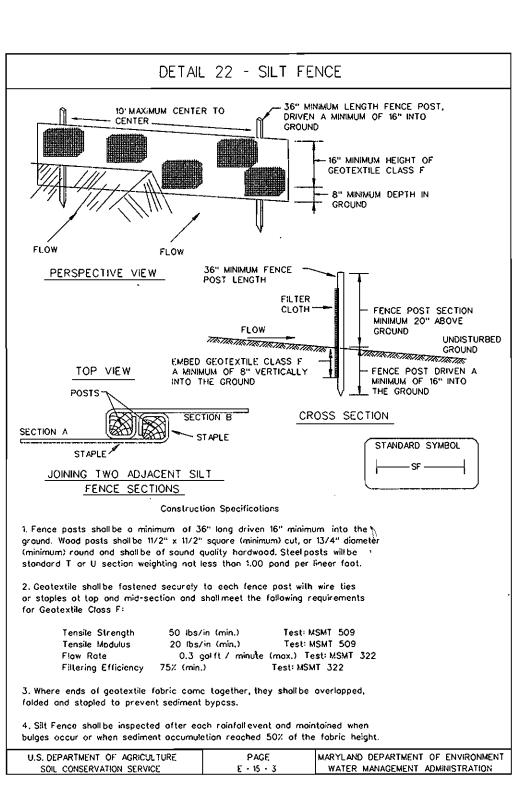
SHOWN SHEET

1 OF 3

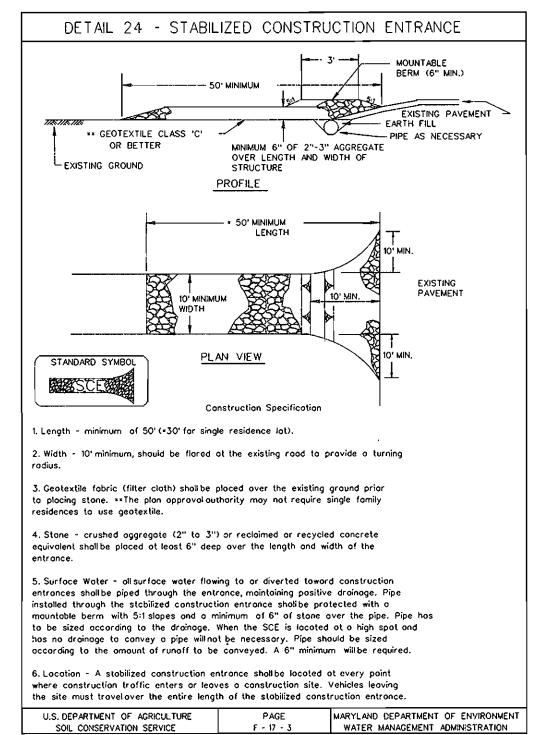




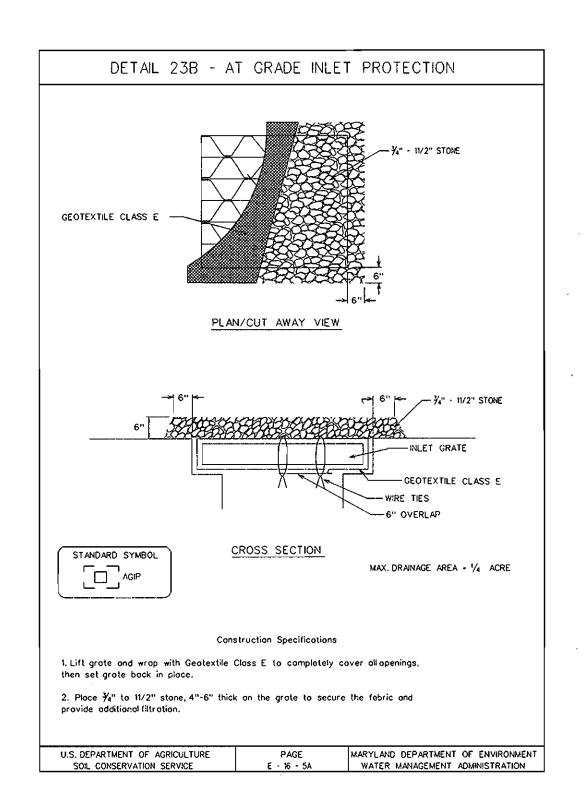
SEE SHEET 2 - ALONG WATER LINE STA. 9+05 THRU STA. 14+62 & STA, 16+25 THRU STA.16+98



SEE SHEET 2 - 20' BEYOND LIMIT OF CONSTRUCTION SEE SHEET I - 5' BEHIND FIRE HYDRANT INSTALLATION IN TURF VALLEY ROAD.



SEE SHEET 2 AT THE INTERSECTION OF TURF VALLEY RD & U.S.RTE.40 & AT LOT 108 AT THE INTERSECTION OF ST. CHARLES PLACE.



SEQUENCE OF CONSTRUCTION

| SEQUENCE OF CONSTRUCTION | TIME OF COMPLETE |
|---|------------------|
| 1. OBTAIN A GRADING PERMIT FROM HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICE AND PERMITS. | ENSES. 0.5 WEEKS |
| 2. CONTACT HOWARD COUNTY BUREAU OF CONSTRUCTION INSPECTION (313-1880) PRIOR 1 STARTING DATE. | TO 0.5 WEEKS |
| 3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS PER SECTION 219 OF THE HOW COUNTY DESIGN MANUAL VOL. IV. | WARD 1.0 WEEKS |
| 4. EXCAVATE AND INSTALL PROPOSED 12" WATER MAIN. | 6.0 WEEKS |
| 5. RESTORE PAVING AND EARTH TRENCHES TO THEIR ORIGINAL CONDITION AS PER HOWAF COUNTY STANDARDS. | RD 2.0 WEEKS |
| 6. UPON PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDI | IMENT 0.5 WEEKS |
| 7. FINE GRADE ALL DISTURBED AREAS AND STABILIZE WITH PERMANENT SEEDING. | 0.5 WEEKS |

RESTORATION SCHEDULE - 12" WATER

| LOCATION | LENGŤH | TYPE |
|--------------------------|-------------|-------------|
| STA. 0+52 TO STA 9+18 | 866′ | PAVING |
| STA. 9+18 TO STA. 14+79 | 568′ | SEED & MUL(|
| STA. 16+19 TO STA 16+98. | 7 9′ | SEED & MUL(|

UTILITY NOTES

- 1. AT THE END OF EACH WORKING DAY, IMMEDIATE STABILIZATION OF DISTURBED AREAS SHALL BE LIMITED TO THREE PIPE LENGTHS PER WORKING DAY (BACKFILL & STABILIZE),
- 2. PLACE ALL EXCAVATED MATERIAL ON UPHILL SIDE OF TRENCH.
- 3. ANY SEDIMENT CONTROLS DISTURBED BY UTILITY CONSTRUCTION ARE TO BE REPAIRED IMMEDIATELY.

SEDIMENT CONTROL NOTES

- 1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF CONSTRUCTION INSPECTION PRIOR TO THE START OF ANY CONSTRUCTION, (313-1855).
- 2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS, SOD, TEMPORARY SEEDING AND MULCHING. TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

| 7'. | SITE ANALYSIS: | |
|-----|---|----------------------------------|
| | TOTAL AREA OF SITE | N/A ACRES |
| | AREA DISTURBED | O.71 ACRES± |
| | AREA TO BE ROOFED OR PAVED | O.17 ACRES± |
| | AREA TO BE VEGETATIVELY STABILIZED | O.54 ACRES± |
| | TOTAL CUT | 1, 298 CU. YDS. |
| | TOTAL FILL | 1, 298 CU. YDS. |
| | OFFSITE WASTE/BORROW AREA LOCATION-TO E | BE DETERMINED BY THE CONTRACTOR. |
| | | • |

- 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR,
- 10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING

- 1. PREFERRED APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.)
- 2. ACCEPTABLE APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ, FT.) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE (.05 LBS/1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16-74RU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1.5 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING, ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ, FT,) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDED ARES AND MAKE NEEDED REPAIRS. REPLACEMENTS AND RESEEDINGS.

HICKS ENGINEERING CO., INC. ENGINEERS, SURVEYORS & PLANNERS 200 EAST JOPPA ROAD - SUITE 402 TOWSON, MARYLAND 21286-3160 (410) 494-0001

| ES: K.W. | · | | | | | |
|--------------|----|-----|----------|------|-------------------------|--------------|
| RN: D.A.R. | | | | | DETAIL | SHEET |
| HK: D.E.H. | | | | | | |
| ATE: 7/15/97 | BY | NO. | REVISION | DATE | 600' SCALE MAP NO. W 16 | BLOCK NO. 23 |

TURF VALLEY ROAD WATER MAIN 2TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND CAPITAL PROJECT

CONTRACT NO. 44-3612

SCALE SHOWN SHEET

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DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND