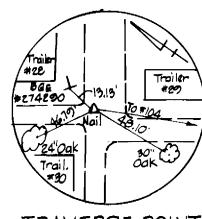
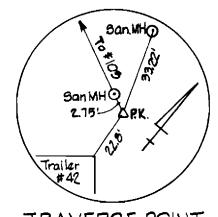


BENCH MARK-HOWARD COUNTY B.M. # 50BA STANDARD DISC ON CONC. MON. - EAST SIDE OF BALTO-WASH. BLVD., 12' + FROM FACE OF CURB (BWBLVD) AND 40' S.W. OF STONE PLANTER W/MOTEL SIGN. N 527.261.66 E 1,359,772.58



TRAVERSE POINT H.E.C. #103 N 527,794.67 E 1,360,725.37

ELEV. 209.90



ELEV. 240.41

TRAVERSE POINT H.E.C. #104 N 527,884.90 E1,360,815.05 ELEV. 206.92

QUANTITIES						
ITEMS	QUANTITIES E STIMATED	AS BUILT				
		QUANTITIES	TYPE	MANUFACTURER/ SUPPLIER		
8" SEWER MAIN	254 L.F.	273	PVC SUR 35	WATEK-PRO		
41-0" DIA. MH.	3EA.	3	PKE CA T	AT WHITE PRECAST		
"K" S.H.C.	5 L.F.	20	PVC · VK 25	WATER-PRO		

PLAN AND PROFILE

DATE 600' SCALE MAP NO. 550/W-50 BLOCK NO. 5/5

8" SANITARY SEWER MAIN

RESTORATION SCHEDULE

LOCATION 8" SANITARY	LENGTH	TYPE
EX. MH # 1198-A TO MH # 1	8 L.F.	SEED & MULCH
MH + 1 TO MH # 2	54 L.F.	SEED & MULCH
MH#2 TO MH#3		
STA. 0+00 TO STA, 0+50	50 L.F	SEED & MULCH
STA.0+50 TO STA.0+85	35 L.F	PAVING
5TA.0+85 TO 5TA.1+65	30 L.F.	SEED & MULCH
5TA. +65 TO STA. +96	31 L.F.	PAVING
MH#3 TO EX.MH#1199		
5TA.0+00 TO 5TA.0+12	12 L.F.	PAVING

STAKEOUT DATA

CONTRACTOR: W.F WILSON & SONS

TRAVERSE POINT

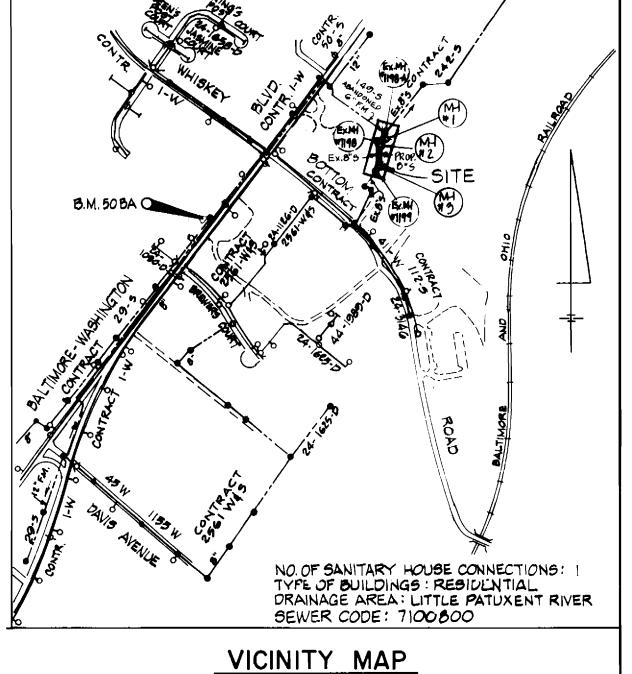
H.E.C. # 102

E 1,360,713.34

ÉLEV. 219.55

N 527,535.15

MH # 1 N 528,132.45 E 1,360,872.53 MH # 2 N 528,088.68 E 1,360,838.98 N 527,893.58 E 1,360,819,62



SCALE . I" = 600

GENERAL NOTES

- Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted service. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
- All horizontal controls are based on Maryland State Coordinates.
- 3. All vertical controls are based on U.S.G.S. data.
- 4. All pipe elevations shown are invert elevations unless otherwise noted on the 5. Clear all utilities by a minimum of 6%. Clear all poles by 5'-0" minimum or tunnel as required. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the Contractor's work requires the bracing of additional poles, any cost incurred by the owner for the bracing of additional poles or damages shall be deducted
- companies to schedule the bracing of the poles. 6. For details not shown on the drawings, and for materials and construction methods, use Howard County Design Manual Volume IV, Standard Specifications and Details for Construction (Latest Edition). The Contractor shall have a copy of Volume IV on

from money owed the Contractor. The Contractor shall coordinate with the utility

- 7. Where test pits have been made on existing utilities, they are noted by the symbol at the location of the test pit. A note or notes containing the results of the test pit or pits is included on the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be located by the Contractor two weeks in advance of construction operations at
- his own expense. 8. Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

Bureau of Utilities (DPW) 313-4900
Bell Atlantic - MD, Inc. 597-8585 and shrubs located within the construction strip are not to be removed or

damaged by the Contractor. 10. Contractor shall remove trees, stumps and roots along line of excavation. Payment for such removal shall be included in the unit price bid for construction of the

11. The Contractor shall notify the Bureau of Highways, Howard County, at (410) 313-2450 at least five working days before any open cut of any County road or trenchless installation operation in county roads for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirements per Section 18.114(a) of the Howard County Code.

SEWER NOTES

- 1. All sewer mains shall be D.I.P. or P.V.C. unless otherwise noted.
- 2. All manholes shall be 4'-0' inside diameter unless otherwise noted. 3. Force mains shall be D.I.P. only.
- Manholes shown with 12" and 16" walls are for brick manholes only
- Manholes designated W.T. in plan and profile shall have watertight frame and cover, Standard Detail G5.52. Where watertight manhole frames and covers are used,

set top of frame 1'-6" above finished grade unless otherwise noted on the drawings.

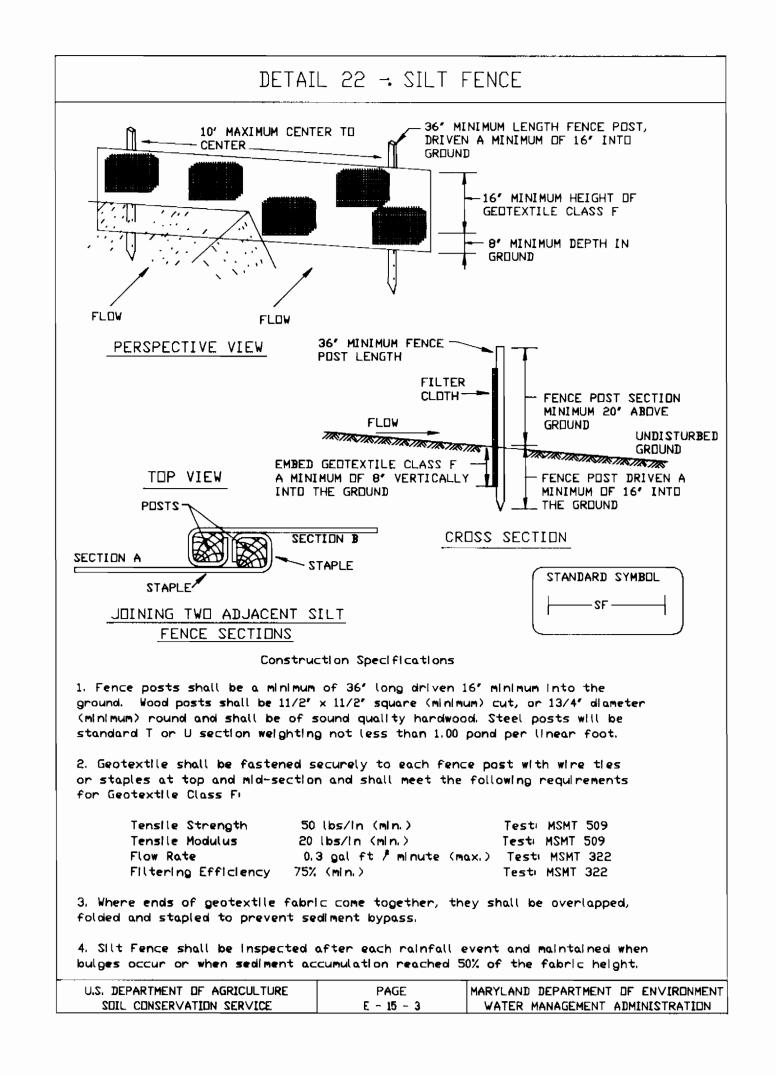
6. House(s) with the symbol "C.N.S." indicates cellar cannot be served.

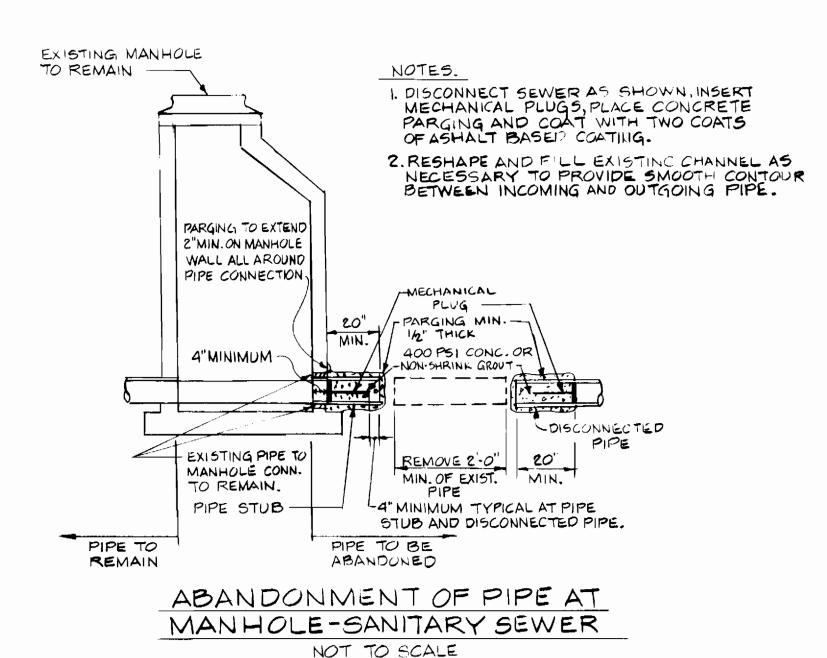
WHISKEY BOTTOM ROAD OUTFALL SEWER MAIN 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND CAPITAL PROJECT S-6207

CONTRACT NO. 20-3582

SHOWN SHEET I OF **2**

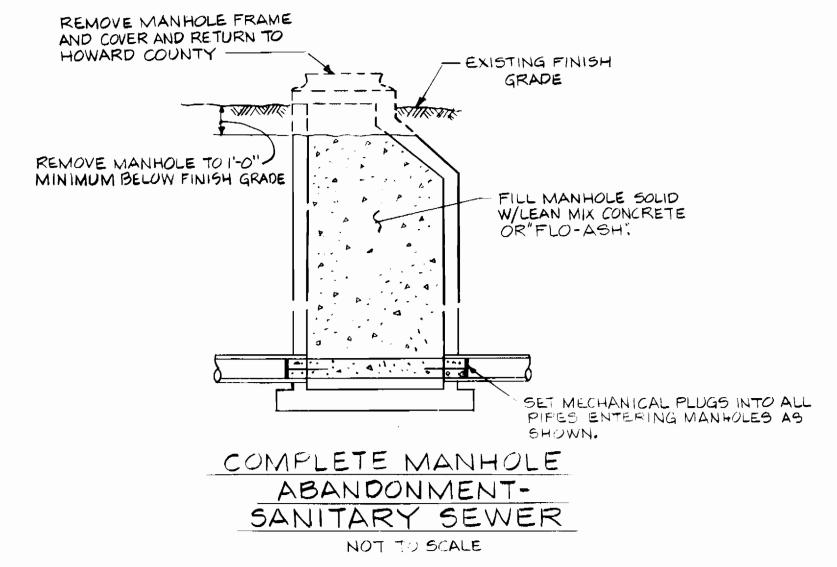
AS-BUILT-JUNE 3,1007





TIME TO COMPLETE SEQUENCE OF CONSTRUCTION 1. DBTAIN A GRADING PERMIT FROM HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, 0.5 WEEK AND PERMITS 0.5 WEEK CONTACT HOWARD COUNTY BUREAU OF CONSTRUCTION INSPECTION (313-1880) PRIOR TO STARTING DATE. 1.0 WEEK INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS PER SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL VOL. IV. EXCAVATE AND INSTALL PROPOSED 8' SEWER MAIN. 2.0 WEEK 0.5 WEEK ABANDON EXISTING MAINS RESTORE PAVING AND EARTH TRENCHES TO THEIR ORIGINAL CONDITION AS PER HOWARD 1.0 WEEK COUNTY STANDARDS. 0.5 WEEK 7. UPON PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT

8. FINE GRADE ALL DISTRUBED AREAS AND STABILIZE WITH PERMANENT SEEDING.



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
- 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 31, B) 14 DAYS AS TO ALL OTHER DISTURBED DR 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, TEMP-DRARY SEEDING AND MULCHING. TEMPORARY STABILIZATION WITH MULCH ALDNE CAN UNLY 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 DBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR
- 7.) SITE ANALYSIS: N/A ACRES TOTAL AREA OF SITE ACRES± AREA DISTURBED 0.19 AREA TO BE ROOFED ON PAVED
 AREA TO BE VEGETATIVELY STABILIZED 0.12 ACRES±
 650 CU. YDS. AREA TO BE ROOFED OR PAVED ACRES± 650 CU. YDS. TOTAL FILL
- OFFSITE WASTE/BORROW AREA LOCATION-TO 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.

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

- 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 DF SDIL. AT TIME DF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFDRM
- FERTILIZER (9 LBS/1000 SQ.FT.). 2.) ACCEPTABLE - APPLY 2 TIMS PER ACRE DILIMITIC LIMESTINE (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 DCTOBER 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.> DF WEEPING LDVEGRASS. DURING THE PERIOD DF DCTDBER 16 THRU 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. DPTION (2) USE SOD. DPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

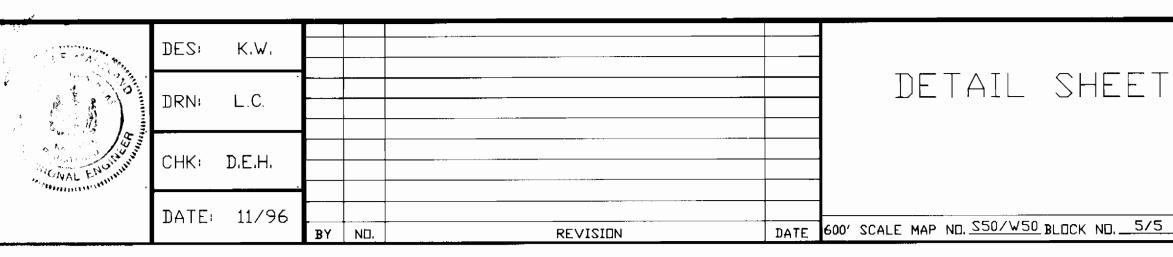
MULCHING - APPLY 1.5 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. DN SLOPES 8 FEET OR HIGHER,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

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

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

THICKS ENGINEERING CO., INC. ENGINEERS, SURVEYORS & PLANNERS

200 EAST JOPPA ROAD - SUITE 402 TOWSON, MARYLAND 21286-3160 (410) 494-0001



DETAIL SHEET

0.5 WEEK

SCALE WHISKEY BOTTOM ROAD OUTFALL SEWER MAIN 6TH ELECTION DISTRICT SHOWN HOWARD COUNTY, MARYLAND CAPITAL PROJECT S-6207 SHEET

> CONTRACT NO. 20-3582 2 OF 2