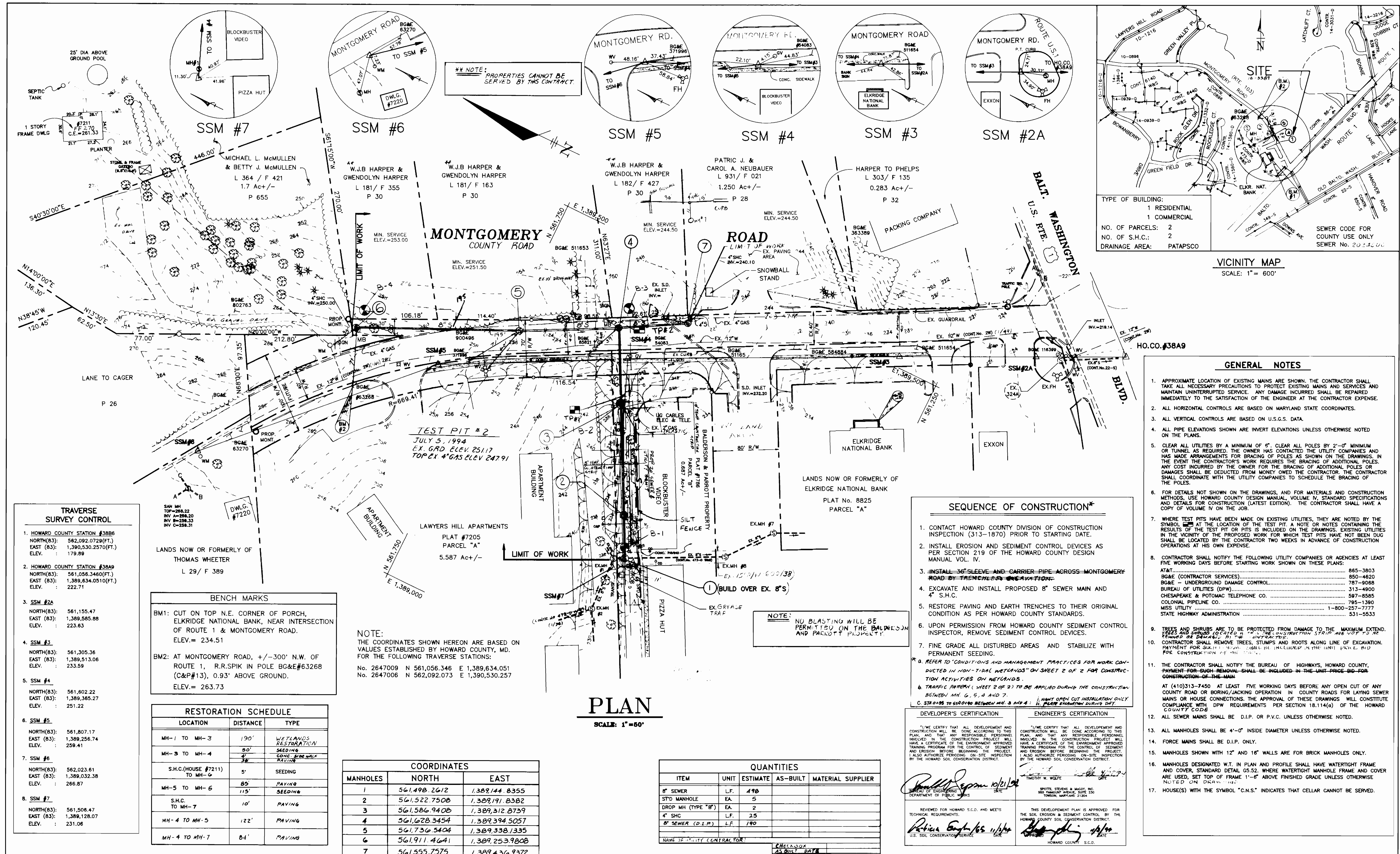


3389 ws/1 c.p.# S-6124 Montgomery Rd. Sewer @ U.S. Rt. 1



**** NOTE: PROPERTIES CANNOT BE SERVED BY THIS CONTRACT.**

TYPE OF BUILDING:	1 RESIDENTIAL 1 COMMERCIAL
NO. OF PARCELS:	2
NO. OF S.H.C.:	2
DRAINAGE AREA:	PATAPSCO
SEWER CODE FOR COUNTY USE ONLY:	SEWER No. 203300

VICINITY MAP
SCALE: 1" = 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 EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6" CLEAR. ALL POLES BY 2'-0" MINIMUM OR TUNING 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 FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- 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 THE JOB.
- 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.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

AT&T	865-3803
BGE (CONTRACTOR SERVICES)	850-4620
BGE - UNDERGROUND DAMAGE CONTROL	787-9058
BUREAU OF UTILITIES (DPW)	313-4900
CHESAPEAKE & POTOMAC TELEPHONE CO.	597-8585
COLONIAL PIPELINE CO.	795-1380
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	531-5533
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED IN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 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 MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
 AT (410)313-7450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(G) OF THE HOWARD COUNTY CODE
- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P.
- 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 FRAME AND COVER ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON DN4-114.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

SEQUENCE OF CONSTRUCTION*

- CONTACT HOWARD COUNTY DIVISION OF CONSTRUCTION INSPECTION (313-1870) PRIOR TO STARTING DATE.
 - INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS PER SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL VOL. IV.
 - INSTALL 36" SLEEVE AND CARRIER PIPE ACROSS MONTGOMERY ROAD BY TRENCHLESS INSTALLATION.
 - EXCAVATE AND INSTALL PROPOSED 8" SEWER MAIN AND 4" S.H.C.
 - RESTORE PAVING AND EARTH TRENCHES TO THEIR ORIGINAL CONDITION AS PER HOWARD COUNTY STANDARDS.
 - UPON PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES.
 - FINE GRADE ALL DISTURBED AREAS AND STABILIZE WITH PERMANENT SEEDING.
- * REFER TO "CONDITIONS AND MANAGEMENT PRACTICES FOR WORK CONDUCTED IN NON-TIDAL WETLANDS" ON SHEET 2 OF 2 FOR CONSTRUCTION ACTIVITIES ON WETLANDS.
- b. TRAFFIC PATTERNS (SHEET 2 OF 2) TO BE APPLIED DURING THE CONSTRUCTION BETWEEN MH. G, S, 3 AND 7.
- c. STRIPES TO 540+00 BETWEEN MH. 3 AND 4. 1. MAINT OPEN CUT INSTALLATION ONLY.

<p>DEVELOPER'S CERTIFICATION</p> <p>I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THE PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p><i>Patricia Engle</i> 10/21/94 DATE</p> <p>STATE OF MARYLAND DEPARTMENT OF PUBLIC WORKS</p>	<p>ENGINEER'S CERTIFICATION</p> <p>I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THE PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p><i>Timothy W. Wolfe</i> 10/21/94 DATE</p> <p>SPOTTS, STEVENS & MADDY, INC. 188 FARMBOLT WHEELS RD. TOWSON, MARYLAND 21284</p>
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PLAN
SCALE: 1" = 50'

QUANTITIES				
ITEM	UNIT	ESTIMATE	AS-BUILT	MATERIAL SUPPLIER
8" SEWER	LF	490		
STD MANHOLE	EA	5		
DROP MH (TYPE "B")	EA	2		
4" SHC	LF	25		
8" SEWER (D.I.P.)	LF	190		

COORDINATES		
MANHOLES	NORTH	EAST
1	561,498.2612	1,389,144.8355
2	561,522.7508	1,389,191.8382
3	561,586.9408	1,389,312.8739
4	561,628.3454	1,389,394.5057
5	561,736.5404	1,389,338.1335
6	561,911.4641	1,389,253.9808
7	561,555.7575	1,389,436.9372

TRAVERSE SURVEY CONTROL

- HOWARD COUNTY STATION #3886
 NORTH (83): 562,092.0729 (FT.)
 EAST (83): 1,390,530.2570 (FT.)
 ELEV.: 179.89
- HOWARD COUNTY STATION #38A9
 NORTH (83): 561,056.3460 (FT.)
 EAST (83): 1,389,634.0510 (FT.)
 ELEV.: 222.71

BENCH MARKS

BM1: CUT ON TOP N.E. CORNER OF PORCH, ELKRIDGE NATIONAL BANK, NEAR INTERSECTION OF ROUTE 1 & MONTGOMERY ROAD.
ELEV. = 234.51

BM2: AT MONTGOMERY ROAD, +/- 300' N.W. OF ROUTE 1, R.R. SPIK IN POLE BG&E #63268 (C&P #13), 0.93' ABOVE GROUND.
ELEV. = 263.73

RESTORATION SCHEDULE

LOCATION	DISTANCE	TYPE
MH-1 TO MH-3	190'	WETLANDS RESTORATION
MH-3 TO MH-4	50'	SEEDING
	4'	CONC. SIDE WALK
	3'	PAVING
S.H.C. (HOUSE #7211) TO MH-6	5'	SEEDING
MH-5 TO MH-6	115'	PAVING
	115'	SEEDING
S.H.C. TO MH-7	10'	PAVING
MH-4 TO MH-5	122'	PAVING
MH-4 TO MH-7	84'	PAVING

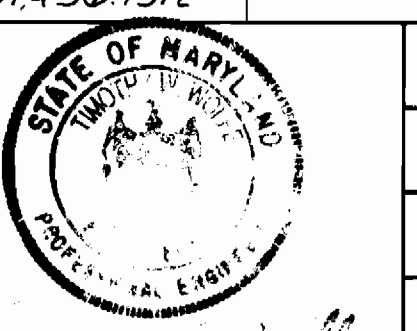
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James J. Allen 10-26-94
DIRECTOR OF PUBLIC WORKS DATE

Robert J. Rainey 10-26-94
CHIEF, BUREAU OF UTILITIES DATE

Patricia Engle 10-21-94
CHIEF, WATER AND SEWER DESIGN DIVISION DATE

SSM
SPOTTS, STEVENS & MADDY, INC.
ENGINEERS & PLANNERS • SUBSISTERS
888 FARMBOLT AVE., SUITE 230
TOWSON, MD 21284
(410) 484-0500



DES: G.S.			
DRN: G.S.			
CHK: T.W.W.			
DATE: NOV, 94			
FCL	1	NEW ALIGNMENT ON MH. 4 TO MH. 6 AND MH. 4 TO MH. 7	2/79
BY	NO.	REVISION	DATE

8-INCH SEWER MAIN
PLAN

60' SCALE MAP NO. 538 BLOCK NO. 8

MONTGOMERY ROAD SEWER @ ROUTE U.S.1

CAPITAL PROJECT: S-6178
ELECTION DISTRICT: 2
CONTRACT No.: 10-3389 10-3389

SCALE: 1" = 50'
SHEET: 1 OF 2

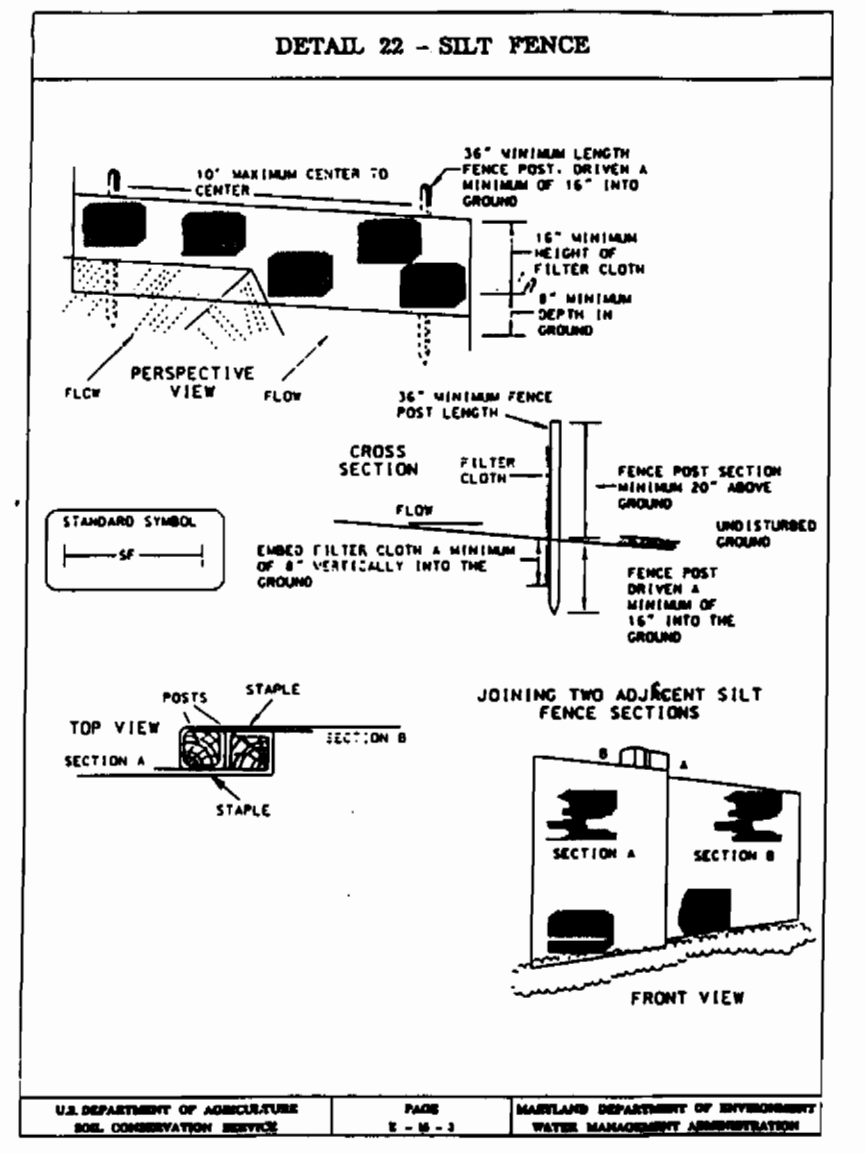
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3389 ws/2 C.P. # S-6124 Montgomery Rd. Sewer @ U.S. Rt. 1

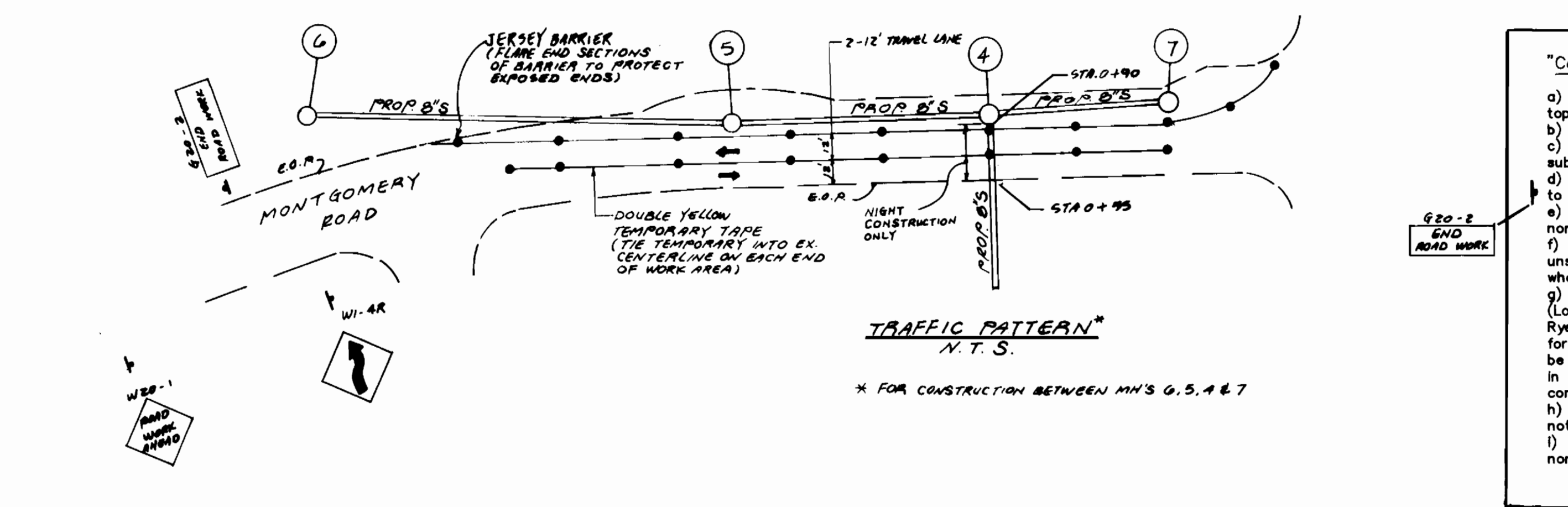
"Conditions and Management Practices for Work conducted in Nontidal Wetlands"

- Stockpile and maintain separately the top 6"-12" of topsoil material, to be replaced as the top layer of the backfilled material;
- Remove excess fill or construction material or debris to an upland disposal area;
- Place materials in a location and manner which does not adversely impact surface or subsurface water flow into or out of the nontidal wetland;
- Maintain the hydrologic regime of the nontidal wetlands upstream, downstream, or adjacent to the sewerline;
- Place heavy equipment on mats or suitably design the equipment to prevent damage to the nontidal wetlands;
- Use previously excavated material as backfill, unless it contains waste metal products, unsightly debris, toxic material or any other deleterious substance. Use clean borrow material when excavated material is not suitable for use as backfill;
- All stabilization in the wetland and buffer shall be of the following species: Annual Ryegrass (*Lolium multiflorum*), Millet (*Setaria italica*), Barley (*Hordeum sp.*), Oats (*Avena sp.*), and/or Rye (*Secale cereale*). These species allow for the stabilization of the site while also allowing for the voluntary revegetation of natural wetland species. Other non-persistent vegetation may be acceptable, but must be approved by the Division. Kentucky 31 fescue shall not be utilized in the wetland or buffer areas. The area should be seeded and mulched to reduce erosion after construction activities have been completed.
- Upon completion of the project nontidal wetlands and the 25-foot nontidal wetland buffer will not be mowed or otherwise managed to prevent the re-establishment of the pre-existing cover.
- After installation has been completed, make post construction grades and elevations of nontidal wetlands the same as the original grades and elevations.

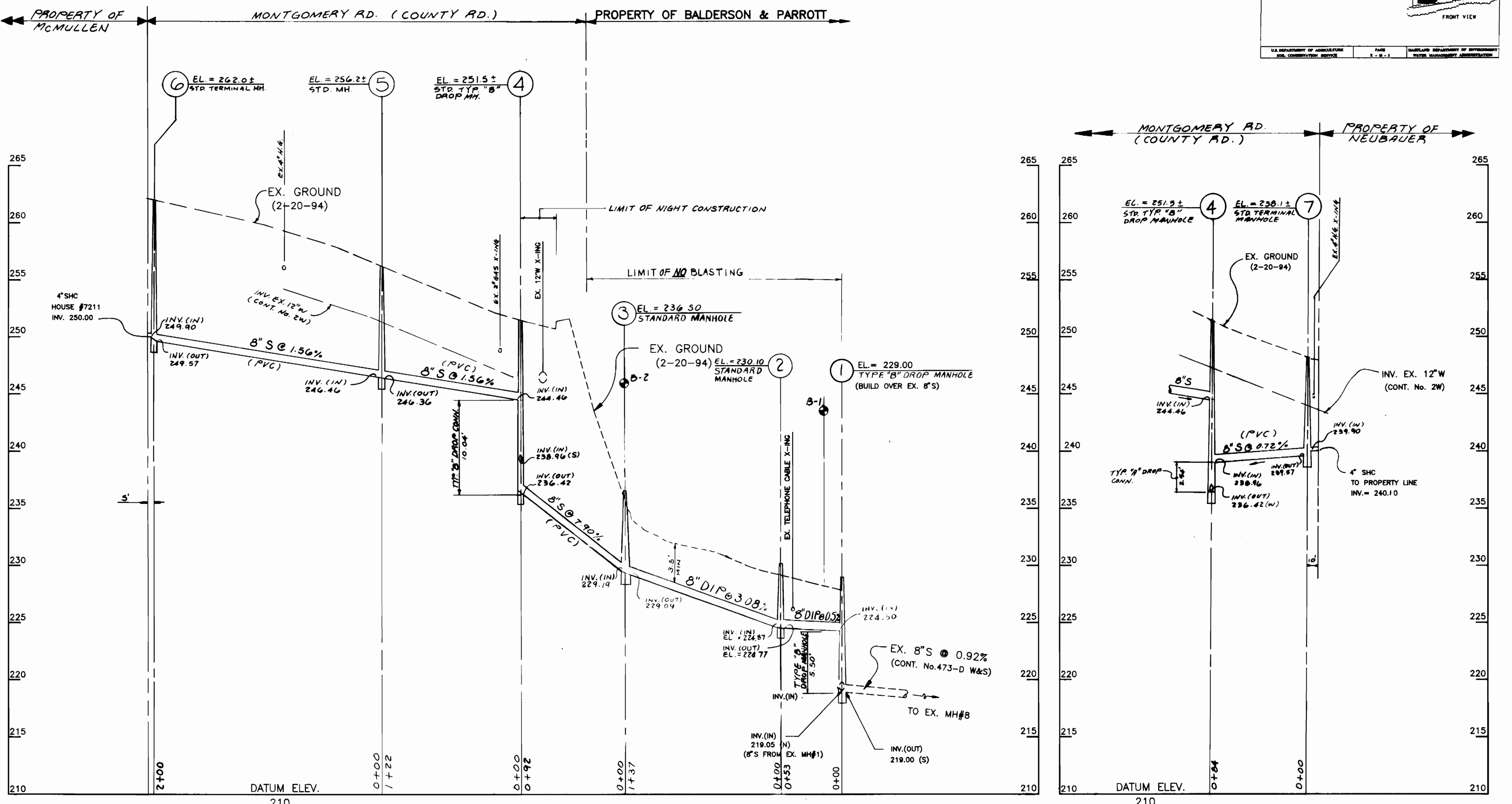


- ### STANDARD SEDIMENT CONTROL NOTES
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (313-1855).
 - ALL VEGETIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THERETO.
 - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
 - 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
 - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (546 G-200) FOR PERMANENT SEEDING & SOD, TEMPORARY SEEDING (546-200) AND MULCHING (546-200). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - 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.
 - SITE ANALYSIS:

TOTAL AREA OF SITE	NA	ACRES
AREA DISTURBED	0.50	ACRES
AREA TO BE ROOFED OR PAVED	0.00	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.00	ACRES
TOTAL CUT	0.00	CU. YDS.
TOTAL FILL	2.00	CU. YDS.
OFFSITE WASTE/BORROW AREA LOCATION	NA	
 - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF THE DISTURBANCE.
 - ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - 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.
 - TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE (3) PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
 - CONTRACTOR SHALL DIRECT ALL RUNOFF TO EXISTING OR NEW SEDIMENT DEVICES CURRENTLY USED FOR THE ADJACENT S.A.A. CONSTRUCTION PROJECT (S.A.A. CONT. NO. 10-202-500-770).
 - CONTRACTOR SHALL PLACE EXCAVATED MATERIALS ON UPHILL SIDE OF TRENCH AND PLACE SILT FENCE ON DOWNHILL SIDE OF TRENCH.
 - REFER TO CONTRACT SPECIFICATIONS (PROJECT MANUAL) FOR SEEDING NOTES.



- ### 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, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- PREFERRED** - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (82 LBS/1000 SQ FT.) AND 800 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING. APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (8 LBS/1000 SQ FT.).
 - ACCEPTABLE** - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (82 LBS/1000 SQ FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ FT.) BEFORE SEEDING. HARROW OR DISK 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 AND 2 LBS PER ACRE (.05 LBS/1000 SQ FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 18 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. OPTION (2) USE SOD. OPTION (3) SEED WITH 80 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.
- MULCHING** - APPLY 1-1/2 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 AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
- ### TEMPORARY SEEDING NOTES
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDBED PREPARATION:** LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:** - APPLY 800 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT.).
- SEEDING** - FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT.), FOR THE PERIOD MAY 1 THRU AUGUST 14 SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ FT.). FOR THE PERIOD NOVEMBER 18 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OR USE SOD.
- MULCHING** - APPLY 1-1/2 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 GAL PER ACRE (5 GAL/1000 SQ FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ FT.) FOR ANCHORING.
- REFER TO THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



PROFILE
SCALE: HORIZ.: 1" = 50'
VERT.: 1" = 5'

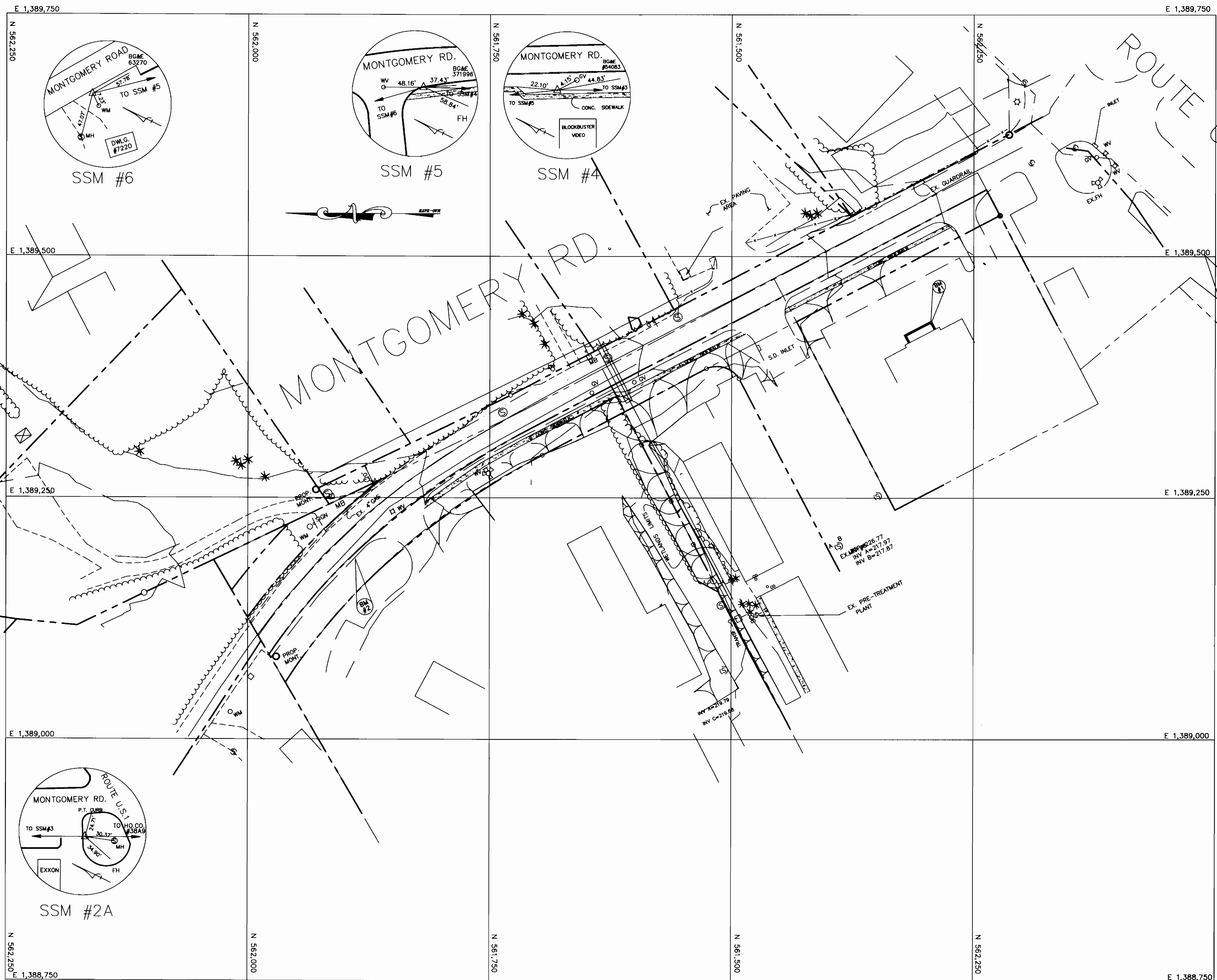
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Director of Public Works: <i>[Signature]</i> DATE: 10/21/94 Chief, Bureau of Utilities: <i>[Signature]</i> DATE: 10-21-94		 SPOTL, STUBBS AND MADDIX, INC. ENGINEERS & PLANNERS & SCIENTISTS 888 FARMBOUT AVENUE, SUITE 230 TOWSON, MD 21286 (410) 494-1800	 STATE OF MARYLAND DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY	DES: G.S. DRN: G.S. CHK: T.W.W. DATE: NOV. '94	FCL 1 BY NO.	NEW ALIGNMENT ON MN. 4 TO MH. 6 AND MN. 4 TO MN. 7. REVISION DATE: 2/95	8-INCH SEWER MAIN NOTES, DETAILS & PROFILE	MONTGOMERY ROAD SEWER @ ROUTE U.S.1 CAPITAL PROJECT: S-6178 ELECTION DISTRICT: 2 CONTRACT No.: 10-3389	SCALE AS SHOWN SHEET 2 OF 2
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AS BUILT 9/20/95

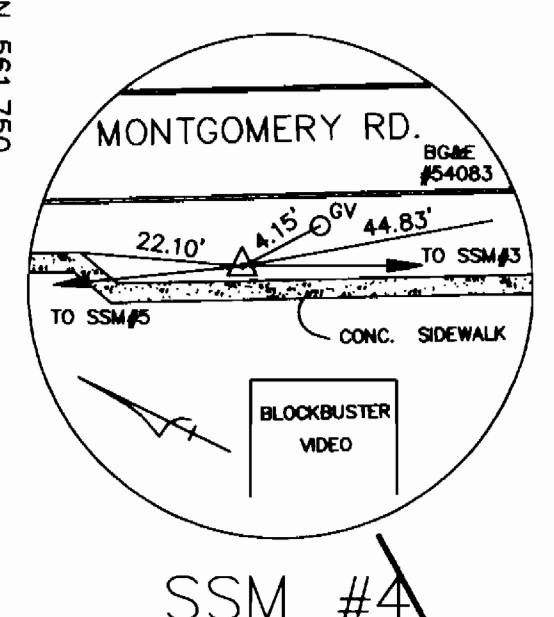
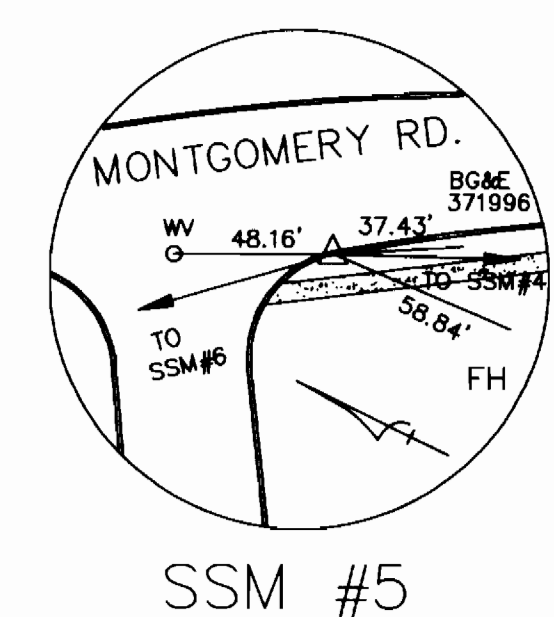
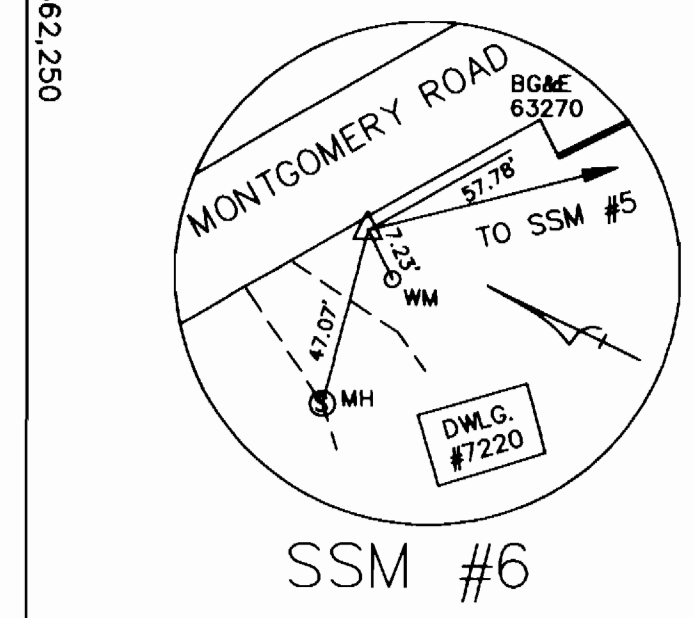
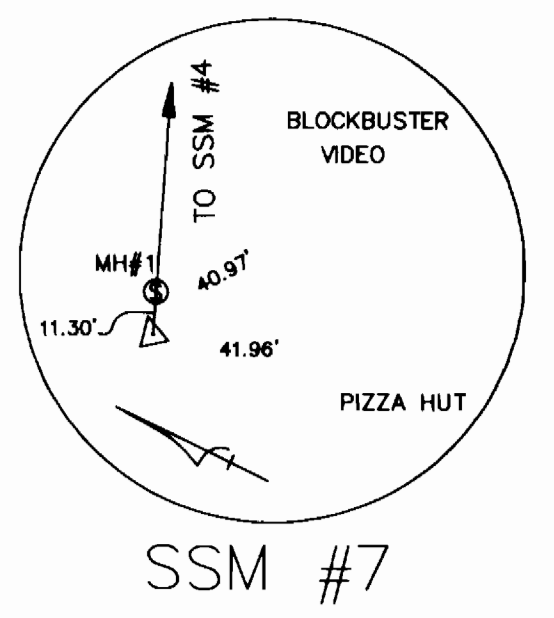
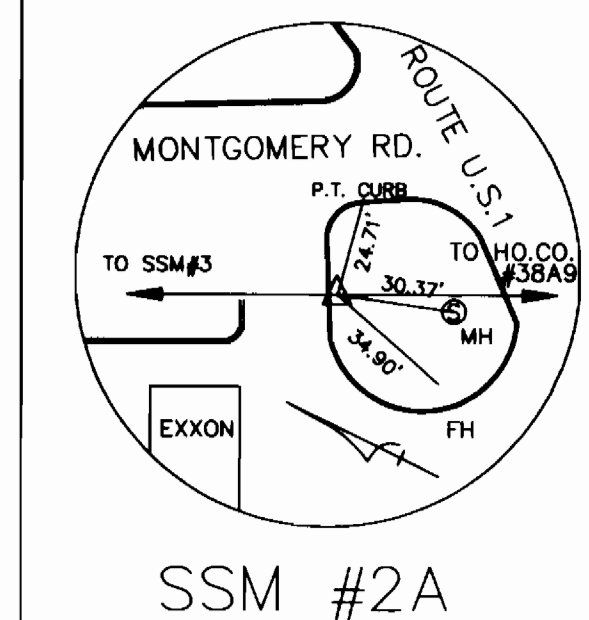
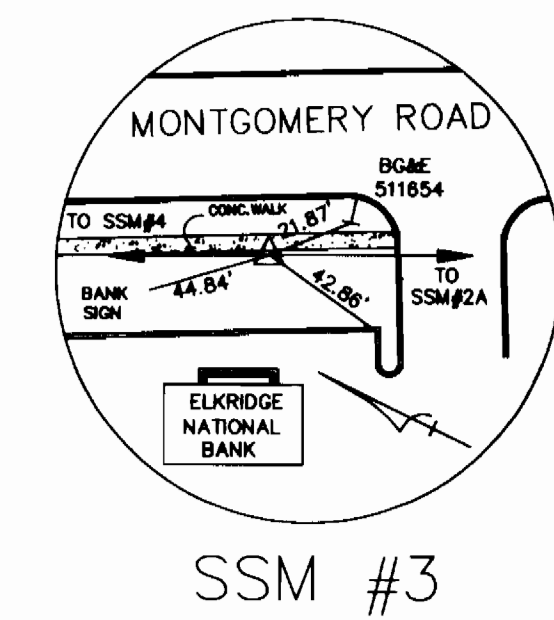
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3389 Pos. SH.T. C.P. # S-6124 Montgomery Rd Sewer @ U.S. Rt. 1

TOPOGRAPHIC SURVEY PLAT
OF
MONTGOMERY ROAD SEWER @ U.S. ROUTE 1
HOWARD COUNTY, MARYLAND



SUBD. NAME: _____
SEC: _____ AREA: _____
CAP. PROJ. NO. S-6178
CONTRACT NO. 10-3389
FIELD BOOK NO. 356
SCALE: 1" = 50'



SURVEYOR'S CERTIFICATION

I, Robert P. Grim, certify that this Topographic Survey is the actual record of the electronic data collection topographic survey performed by me or by personnel under my direct supervision. This plat is the original and final graphic representation of the field survey performed on or about 23 November, 1994. The instruments used to perform this survey were, Theodolite: TOPCON, GTS 3B. Accuracy: Distance measurement, +/- (5mm + 5 ppm)m.s.e., Angular Measurement: Less than 5". Data Collector: Hewlett Packard, 48SX. This Topographic Survey Plat meets requisite accuracy as specified for this project by the Howard County, Department of Public Works.



6			12				
5			11				
4			10				
3			9				
2			8				
1			7				
NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY

PREPARED BY:

SSM
SPOTTS, STEVENS and McCOY, INC.
ENGINEERS • SURVEYORS
PLANNERS • SCIENTISTS
555 Fairmount Ave., Suite 230
Towson, Maryland 21286-5497
(410) 494-0500 FAX 296-3580

SHEET NO. 1 OF 1

AS BUILT 9/20/95