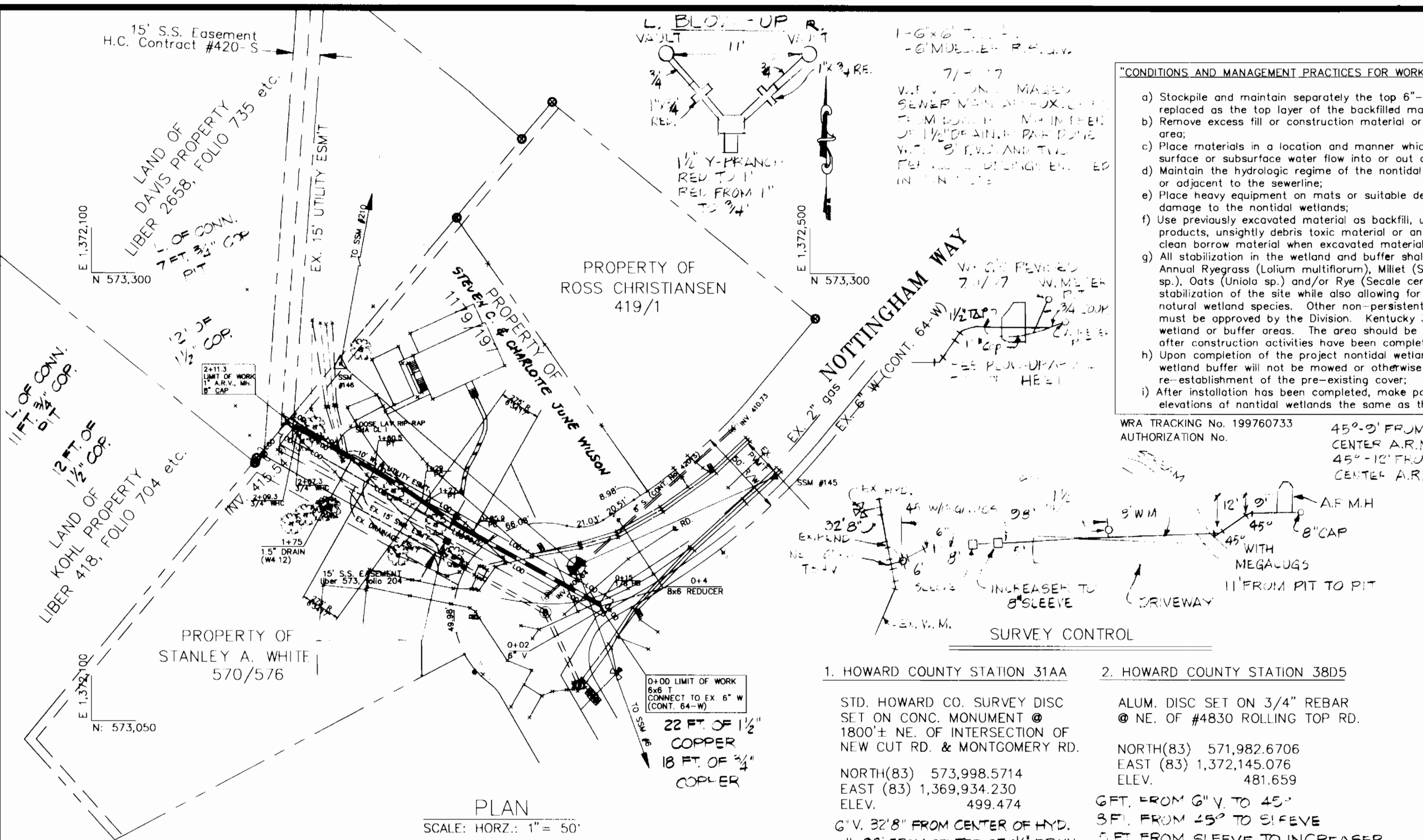
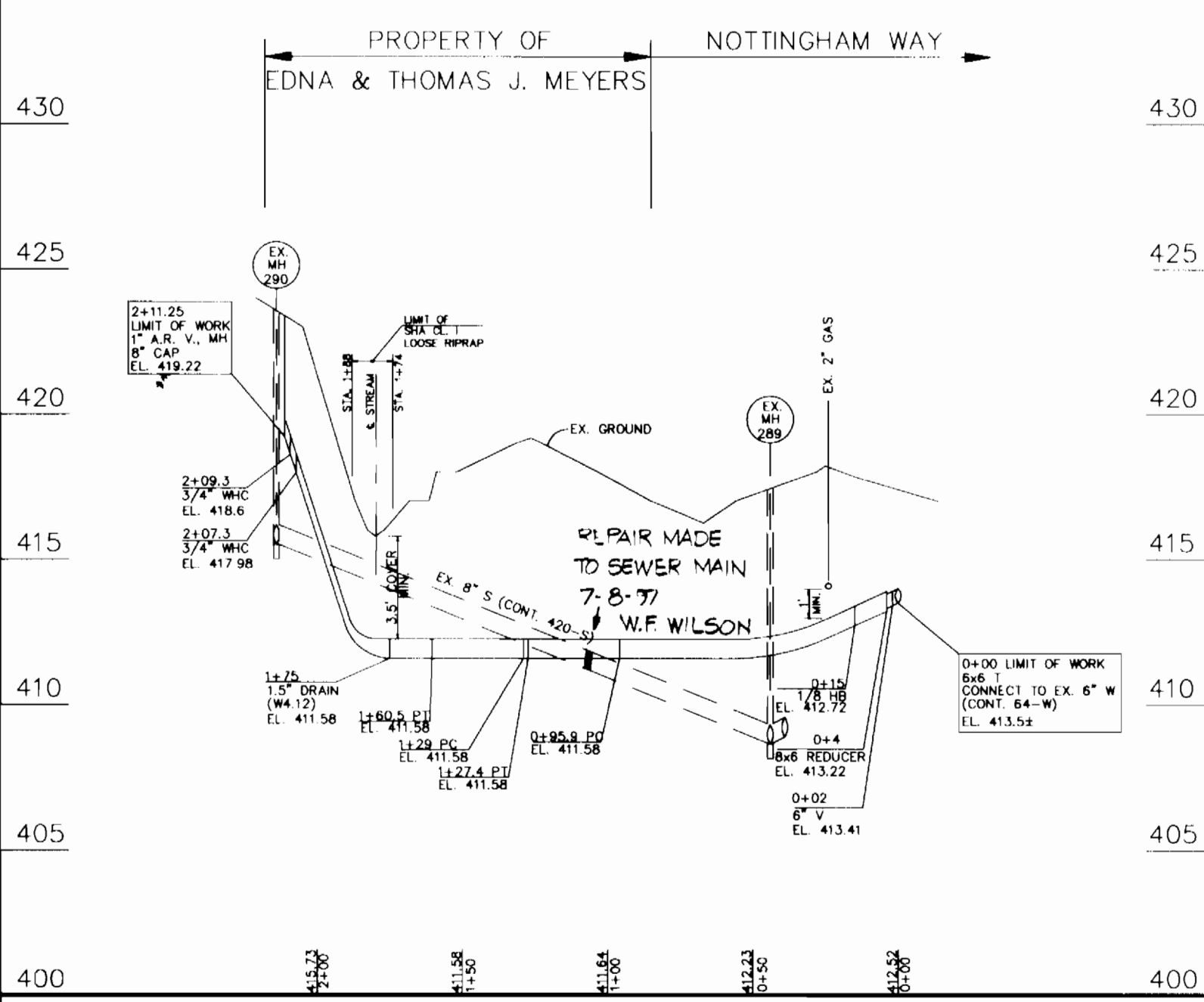


AS-BUILT 8/11/97



PLAN SCALE: HORIZ.: 1" = 50'

1 1/2" TAP 5 1/2" FROM CENTER OF A.R.M.H. WITH 8" x 1 1/2" TAP SADDLE.
 11 FT. FROM DAVIS PIT TO KOHL PIT.
 23 FT. FROM SEWER MH. TO DAVIS PIT.
 12 1/2 FT. " " " " KOHL PIT.
 1 1/2" COP. RUN'S AROUND R. SIDE OF A.R.M.H. TO BACK OF A.R.M.H.



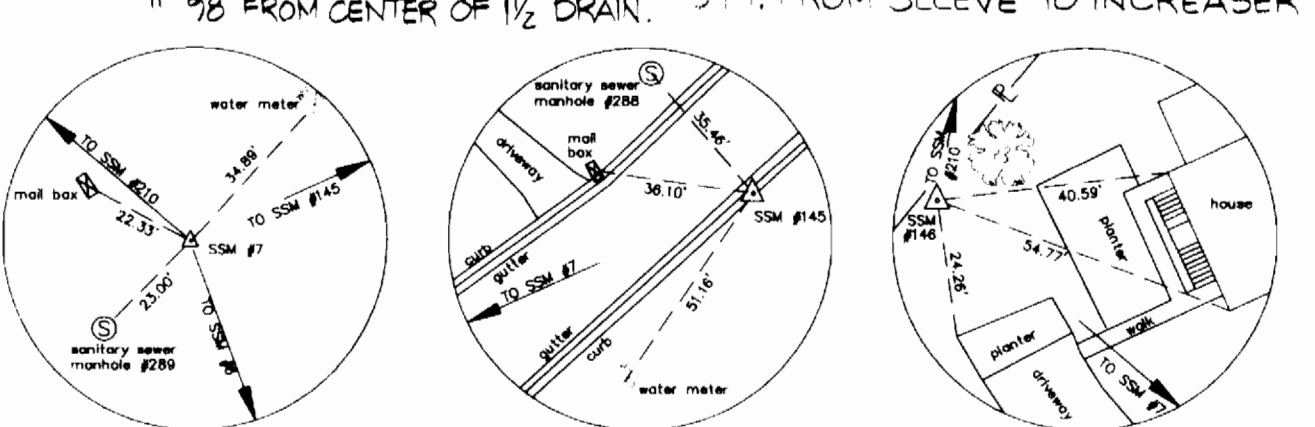
PROFILE SCALE: HORIZ.: 1" = 50' VERT.: 1" = 5'

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 suitable 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 other deleterious substances. 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), Bary (Horeum sp.), Oats (Uniola sp.) and/or Rye (Secale cereale). These species allow for the stabilization of the site while also allowing for the voluntary revegetation of the nontidal 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.

WRA TRACKING No. 199760733
 AUTHORIZATION No. 45°-3' FROM CENTER A.R.M.H.
 45°-12' FROM CENTER A.R.M.H.
 CENTER A.R.M.H.

1. HOWARD COUNTY STATION 31AA
 STD. HOWARD CO. SURVEY DISC SET ON CONC. MONUMENT @ 1800' N.E. OF INTERSECTION OF NEW CUT RD. & MONTGOMERY RD.
 NORTH(83) 571,982.6706
 EAST (83) 1,372,145.076
 ELEV. 481.659
 GFT. FROM G.V. TO 45°
 3 FT. FROM 45° TO S.F.EVE
 11' 30" FROM CENTER OF 1/2" DRAIN.
 2. HOWARD COUNTY STATION 38D5
 ALUM. DISC SET ON 3/4" REBAR @ N.E. OF #4830 ROLLING TOP RD.
 NORTH(83) 571,982.6706
 EAST (83) 1,372,145.076
 ELEV. 481.659
 GFT. FROM G.V. TO 45°
 3 FT. FROM 45° TO S.F.EVE
 5 FT. FROM SLEEVE TO INCREASER



BENCH MARK SSM PI #7
 PK Nail Set
 N 573136.7384
 E 1372480.5212
 Elev. = 418.14'

SSM PI #145
 PK Nail Set
 N 573249.0799
 E 1372238.7492
 Elev. = 425.47'

SSM PI #146
 Tack & Hub Set
 N 573249.0799
 E 1372238.7492
 Elev. = 422.62'

STAKEOUT SCHEDULE

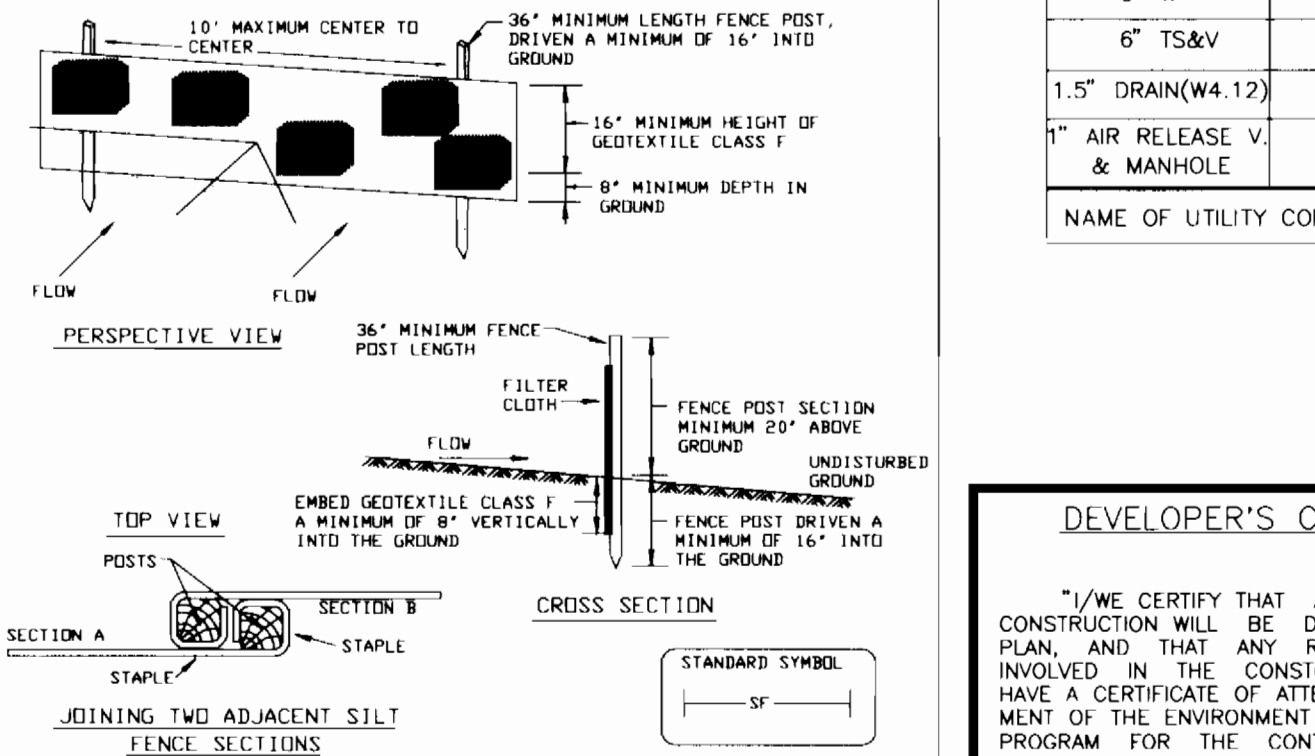
| STATION | NORTHING | EASTING |
|---|------------|--------------|
| 0+00 LIMIT OF WORK 6x6 TS&V | 573,110.76 | 1,372,383.24 |
| 0+04 8x6 REDUCER | 573,114.23 | 1,372,385.23 |
| 0+15 1/8 H.B. | 573,115.38 | 1,372,382.58 |
| 0+50 | 573,132.47 | 1,372,352.04 |
| 0+95.9 PC | 573,154.90 | 1,372,311.96 |
| 1+00 | 573,156.93 | 1,372,308.39 |
| 1+27.4 PT | 573,171.85 | 1,372,285.38 |
| 1+29 PC | 573,172.76 | 1,372,284.12 |
| 1+50 | 573,184.39 | 1,372,266.63 |
| 1+60.5 PT | 573,189.71 | 1,372,257.54 |
| 1+75 1.5" DRAIN | 573,196.59 | 1,372,245.24 |
| 2+00 | 573,209.00 | 1,372,223.07 |
| 2+07.3 3/4" WHC | 573,212.50 | 1,372,216.81 |
| 3/4" WHC @ P.L. | 573,219.46 | 1,372,210.97 |
| 2+09.3 3/4" WHC | 573,213.48 | 1,372,215.07 |
| 3/4" WHC @ P.L. | 573,216.10 | 1,372,208.19 |
| 2+11.3 LIMIT OF WORK 1" AIR RELEASE V. MANHOLE & 8" CAP | 573,214.46 | 1,372,213.32 |

QUANTITIES

| ITEM | UNIT | ESTIMATE | AS-BUILT | MATERIAL SUPPLIER |
|-----------------------------|------|----------|----------|-------------------|
| 8" W | L.F. | 208 | 200 | B.L.A.R. SUPPLY |
| 3/4" W | L.F. | 19 | 18 | " |
| 6" W | L.F. | 4 | 22 | " |
| 6" TS&V | EA. | 1 | 1 | " |
| 1.5" DRAIN(W4.12) | EA. | 1 | 1 | " |
| 1" AIR RELEASE V. & MANHOLE | EA. | 1 | 1 | " |

NAME OF UTILITY CONTRACTOR: _____
 CHECKBOX _____
 AS-BUILT DATE: _____
 SURVEY AND DRAFTING DIVISION

DETAIL 22 - SILT FENCE



Construction Specifications
 1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 3/2" x 3/2" square (minimum) cut, or 1 1/2" diameter (minimum) round and shall be of sound quality hardwood. Steel posts shall be standard I or U section weighing not less than 1.00 pound per linear foot.
 2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class 1:
 Tensile Strength 50 lbs/in (min.) Test: MH1 509
 Tensile Modulus 20 lbs/in (min.) Test: MH1 509
 Flow Rate 0.5 gal/ft²/minute (max.) Test: MH1 302
 Filtering Efficiency 75% (min.) Test: MH1 302
 3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
 4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT 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."
 _____ DATE 1/13/97
 DEPARTMENT OF ENGINEERING
 DEPARTMENT OF PUBLIC WORKS

ENGINEER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT 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."
 _____ DATE 1/22/97
 SPOTTS, STEVENS & MCCOY, INC.
 555 FARMINGTON AVENUE, SUITE 230
 TOWSON, MARYLAND 21286

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:
 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14LBS/1000 SQ FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 0-0-0 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 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 (14 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 WEEPLING LOVEGRASS. DURING THE PERIOD OF OCTOBER 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. OPTION (2) USE SOIL. OPTION (3) SEED WITH 60 LBS 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 GRASS 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 60 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 BUSHEL PER ACRE OF ANNUAL RYE (32 LBS/1000 SQ FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPLING LOVEGRASS (.07 LBS/1000 SQ FT.). FOR THE PERIOD NOVEMBER 16 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 SOIL.
 MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT.) OF UNROTTED SMALL GRASS 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 FT OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ FT.) FOR ANCHORING.
 REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

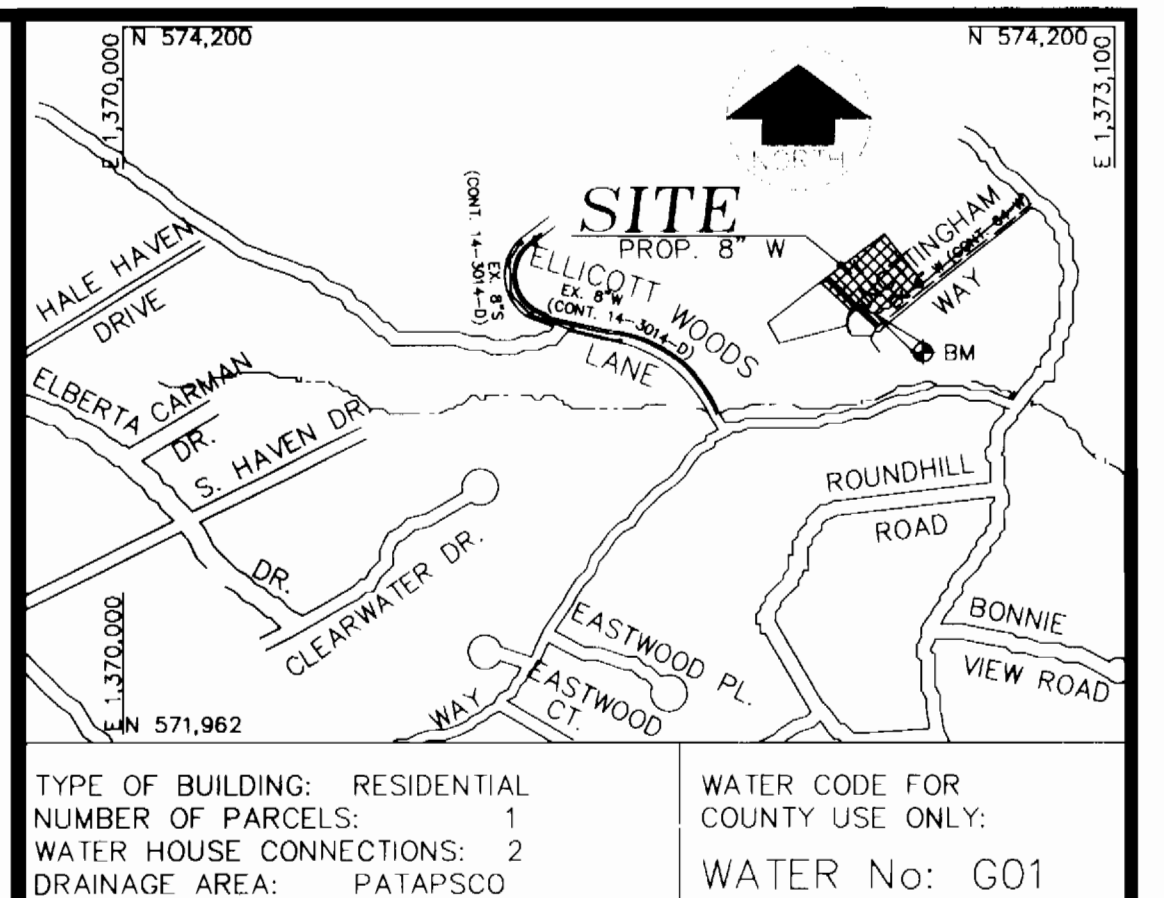
STANDARD SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS, PRIOR TO THE START OF ANY CONSTRUCTION (410-313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH SECTION 219 OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
- 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.
- 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 FOR PERMANENT SEEDINGS (Sec. 51), SOD(Sec. 52), TEMPORARY SEEDING (Sec. 50) AND MULCHING (Sec. 52). 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 PERMISSON FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 TOTAL AREA OF SITE NA ACRES
 AREA DISTURBED 0.05 ACRES
 AREA TO BE ROOFED OR PAVED 0.02 ACRES
 AREA TO BE VEGETATIVELY STABILIZED 0.03 ACRES
 TOTAL CUT 400 CU. YDS.
 TOTAL FILL 400 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 PLACE EXCAVATED MATERIALS ON UPHILL SIDE OF TRENCH AND PLACE SILT FENCE ON DOWNHILL SIDE OF TRENCH.

NOTE: SEDIMENT CONTROL TO BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARDS AND SPECIFICATIONS (VOL.IV) OF THE HOWARD COUNTY DESIGN MANUAL AND THIS PLAN.

RESTORATION SCHEDULE

| LOCATION | DISTANCE | TYPE |
|------------------|------------|-------------------|
| 0+00 TO 0+85.8 | 85.8 L.F. | MACACDM PAVING |
| 0+85.5 TO 1+75 | 89.5 L.F. | SEEDING |
| 1+75 TO 1+91 | 230.5 L.F. | LOOSE LAY RIP RAP |
| 1+91 TO 2+11.3 | 230.5 L.F. | SEEDING |
| 0+85.8 TO 1+43.2 | 55.4 L.F. | MACACDM DRIVEWAY |



TYPE OF BUILDING: RESIDENTIAL
 NUMBER OF PARCELS: 1
 WATER HOUSE CONNECTIONS: 2
 DRAINAGE AREA: PATAPSCO
 WATER CODE FOR COUNTY USE ONLY:
 WATER No: G01

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- CONTACT HOWARD COUNTY BUREAU OF CONSTRUCTION INSPECTION DIVISION (313-1870) PRIOR TO STRATING DATE.
- INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS PER SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL VOL. IV.
- EXCAVATE AND INSTALL PROPOSED 8" WATERMAIN AND WATER HOUSE CONNECTIONS. (10 DAYS) (PLACE THE SPOIL FROM THE TRENCH ON THE UPHILL SIDE OF THE CONSTRUCTION AREA)
- RESTORE TRENCHES TO THEIR ORIGINAL CONDITION AS PER HOWARD COUNTY STANDARDS AND STABILIZE WITH PERMANENT SEEDING, PAVING AND SHA CLASS 1 RIP RAP WHERE INDICATED. (3 DAYS)
- UPON PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES. (1 DAY)

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 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 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 THIS 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
 BG&E (CONTRACTOR SERVICES)..... 850-4620
 BG&E - UNDERGROUND DAMAGE CONTROL..... 787-9068
 BUREAU OF UTILITIES (BPU)..... 313-4900
 CHESAPEAKE & POTOMAC TELEPHONE CO..... 597-8585
 COLONIAL PIPELINE CO..... 795-1390
 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 WITHIN 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, AT (410)313-2450 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 WATER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- PRIOR TO LAYING ANY WATER MAINS UNDER THIS CONTRACT, THE CONTRACTOR SHALL TEST PIT AT THE INDICATED CROSSINGS AND WATER MAIN CONNECTIONS, AND SHALL DETERMINE ELEVATIONS AND HORIZONTAL LOCATIONS OF MAINS. THE INFORMATION SHALL BE TURNED OVER TO THE ENGINEER AND THE CONTRACTOR SHALL LAY THE WATER MAINS IN ACCORDANCE WITH THE ENGINEERS INSTRUCTIONS.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: _____ DATE 1/17/97
 Chief, Bureau of Utilities: _____ DATE 1/17/97

Chief, Water and Sewer Design Division: _____ DATE 1/13/97

SSM
 SPOTTS, STEVENS & MCCOY, INC.
 ENGINEERS & SURVEYORS & SCIENTISTS
 555 FARMINGTON AVENUE, SUITE 230
 TOWSON, MARYLAND, 21286-5497
 (410)494-0500 FAX (410)296-3580

| DES: | M.A.G. | I | WHC FOR OUTSIDE METER SETTINGS; 3/4" METERS | 3/07 |
|-------|-----------|-----|---|----------|
| DRN: | FCL | | | |
| CHK: | TWW | | | |
| DATE: | JAN., '97 | BY: | NO. | REVISION |
| DATE: | | | | |

8-INCH WATER MAIN
 PLAN, PROFILE & NOTES
 ELLICOTT WOODS LANE

600' SCALE MAP NO. 25 BLOCK NO. 13

ELLICOTT WOODS LANE WATER MAIN EXTENSION
 CAPITAL PROJECT No. W-8211
 CONTRACT No. 14-3495
 ELECTION DISTRICT No. 2
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 1