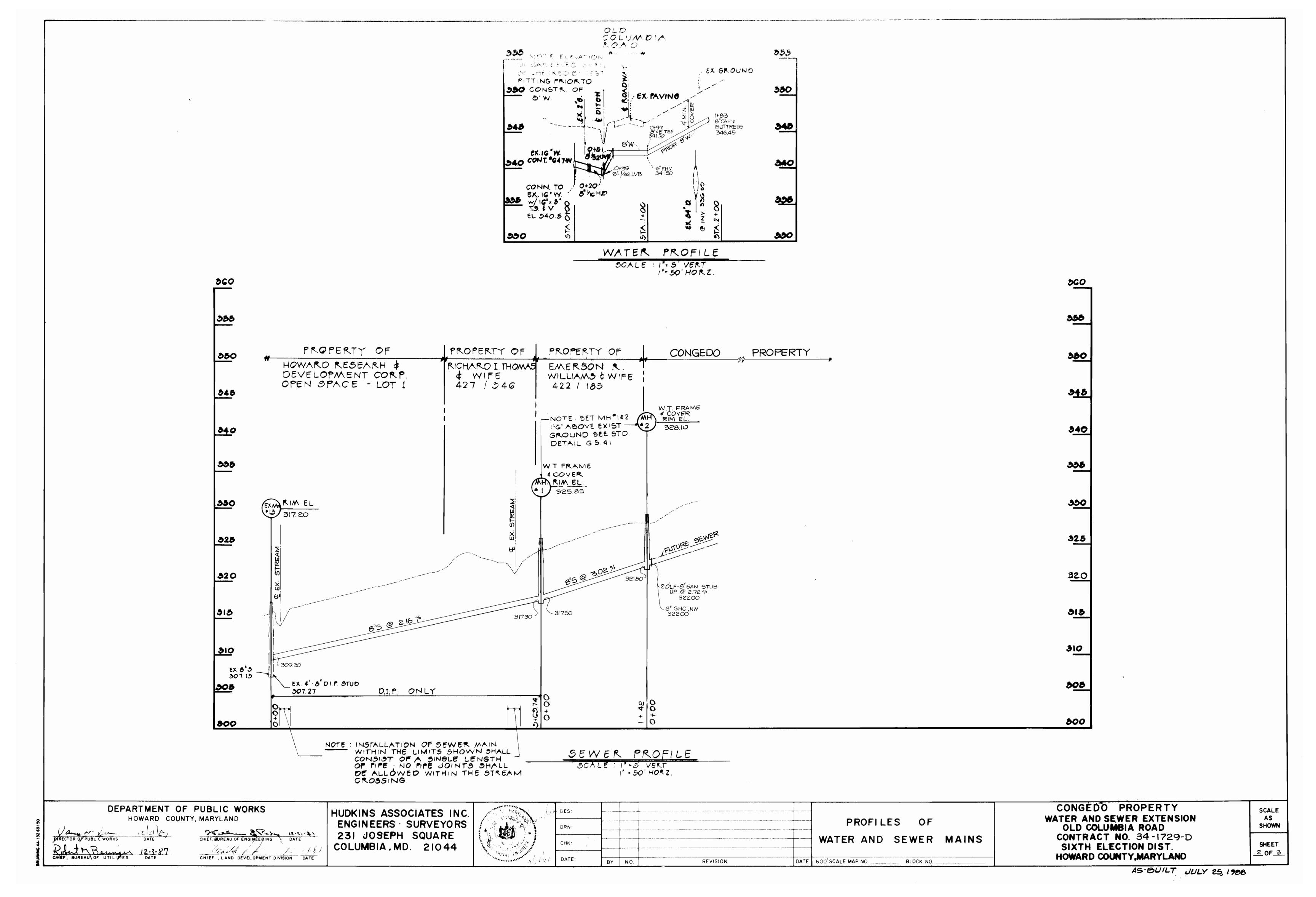


AS-BUILT JULY 25, 1988



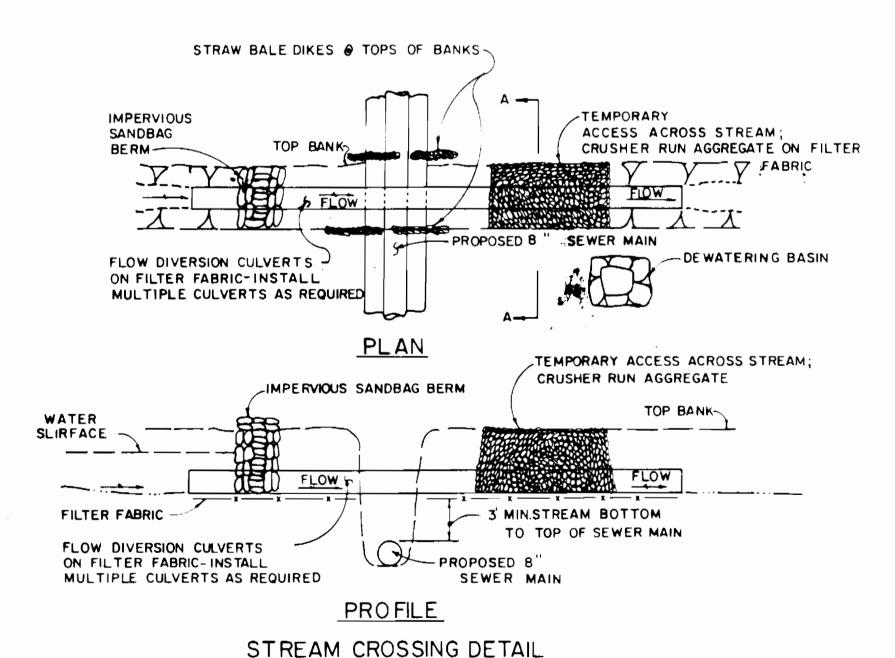
10 min 3 PLAN VIEW

- single residence lot where a 30-foot minimum length would apply)
- 4. Width Ten (10) foot minimum, but not less than the full width
- at points where ingress or egress occurs. 5. Filter Cloth - Will be placed over the entire area prior to
- 6. Surface Water All surface water flowing or diverted toward construction entrances shall be piped across the entrance. I
- 7. Maintenance The entrance shall be maintained in a condition
- removed immediately. 8. Washing - Wheels shall be cleaned to remove sediment prior to
- 9. Periodic inspections and needed maintenance shall be provided after each rain.

NO SCALE

RIP-RAP NOTES: 1. RIP-RAP SHALL BE PLACED OVER ALL DISTURBED AREAS WITHIN THE FULL WIDTH OF THE RIGHT-OF-WAY AT THOSE LOCATIONS INDICATED ON THE DRAWINGS. 2. RIP-RAP FOR PLACEMENT ALONG THE STREAM BANK BETWEEN MH. 13 - MH. 2 AND AT THE SEWER MAIN CROSSINGS OF EXIST. SWALE SHALL CONFORM TO SHA SPECIFICATIONS FOR CLASS II STONE AND THE THICKNESS OF THE RIP-RAP LAYER SHALL BE 2'-0". 3. RIP-RAP FOR PLACEMENT AT THE SEWER MAIN CROSSINGS OF THE INTERMITTENT FEEDERS AND DITCHES TRIBUTARY SHALL CONFORM TO SHA SPECIFICATIONS FOR CLASS I STONE AND THE THICKNESS OF THE RIP-RAP LAYER SHALL BE 1'-6". COMPLETE /EX.GROUND 520510N CONTROL FABRIC SHALL ABOVE. DE FOLY FILTER-X AD MANUFACT-20510N CONTROL URED BY CARTHAGE MILLS, INC. OR FERMEALINER M-1105 AS MANUFACTURED BY STAFF INDUSTRIES, INC. OR EQUAL ABOUT & MAXIMUM SLOPE STALL BE 2:1

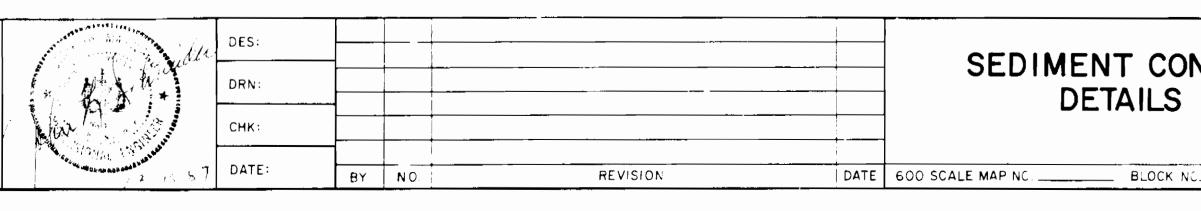
LOOSE LAID RIP RAP DETAIL NO SCALE



NO SCALE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

HUDKINS ASSOCIATES ENGINEERS SURVEYORS 231 JOSEPH SQUARE COLUMBIA, MD. 21044



SEDIMENT CONTROL **DETAILS**

CONGEDO PROPERTY WATER AND SEWER EXTENSION OLD COLUMBIA ROAD CONTRACT NO. 34-1729-D SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

control devices.

SCALE AS SHOWN

SHEET <u>3</u> of 3

. Thickness - Not less than six (6) inches. placing of stone. Filter will not be required on a single family piping is impractical, a mountable berm with 5:1 slopes will be

which will prevent tracking or flowing of sediment onto public rights-of-way. This may required periodic top dressing with additional stone as conditions demand and repair and/or clesnout of any measures used to trap sediment. All sediment spilled, dropped, washed, or bracked onto public rights-of-way must be

entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.

STABILIZED CONSTRUCTION ENTRANCE

SEWER MAIN CONSTRUCTION SEQUENCE

STABILIZATION NOTES

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE. PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:

1. 7 CALENDAR DAYS FOR ALL PERIMETER

ALL SLOPES GREATER THAN 3:1.

REGARDING PERMANENT SEEDING.

ON CLAY OR CLAY LOAM SOILS.

SUBPARAGRAPH 219.10-2.

DEVELOPING AREAS.

CONSERVATION DISTRICT.

THE SEWER MAIN INSTALLATION.

ALTERNATIVES.

SEDIMENT CONTROL STRUCTURES, DIKES, SWALES. DITCHES. PERIMETER SLOPES AND

2. 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

PERMANENT STABILIZATION AND SEEDING NOTES

1. REFERENCE SECTION 219 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS FOR COMPLETE REQUIREMENTS REGARDING PERMANENT STABILIZATION AND SEEDING OF ALL DISTURBED

2. REFERENCE PARAGRAPH 219.11 FOR EXECUTION REQUIREMENTS

3. LIMESTONE: APPLY LIMESTONE AT THE RATE OF 11 TONS PER ACRE ON SANDY AND SILTY SOILS AND 2.3 TONS PER ACRE

4. FERTILIZER: APPLY FERTILIZER AT THE RATE OF 600 POUNDS OF 0-20-20 PER ACRE WITH LIMESTONE APPLICATION (SEE

5. PERMANENT SEED SHALL CONFORM TO THE REQUIREMENTS.

MIXTURES AND APPLICATION RATES AS SPECIFIED IN

CHIPS WITH A COVERAGE OF 11 INCHES IN DEPTH.

1. ALL SEDIMENT CONTROL OPERATIONS ARE TO BE

DONE IN ACCORDANCE WITH SECTION 219 OF THE

AND SPECIFICATIONS FOR SEDIMENT CONTROL IN

2. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL

3. ALL EXCAVATED MATERIAL SHALL BE STOCKPILED ON

THE UPGRADE SIDE OF THE WATER MAIN TRENCH.

MAIN TRENCH, ALL DISTURBER AREAS ARE TO BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION AND SEEDING NOTES SHOWN ON THIS

4. IMMEDIATELY FOLLOWING BACKFILL OF THE WATER

5. THROUGHOUT THE PROJECT, THE CONTRACTOR SHALL

REGULARLY INSPECT ALL SEDIMENT CONTROL DEVICES

AND PROVIDE ALL NECESSARY MAINTENANCE TO INSURE THAT ALL DEVICES ARE IN OPERATIVE CONDITION. 6. ALL SEDIMENT CONTROL FACILITIES SHALL REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SOIL

7. SEE SEWER MAIN CONSTRUCTION SEQUENCE THIS SHEET. 8. SEE STREAM CROSSING DETAIL THIS SHEET FOR SEWER MAIN INSTALLATION AND ACCESS ACROSS THE STREAM.

9. SEE PLAN SHT. FOR SEDIMENT CONTROL DEVICES ALONG

BE INSTALLED AS THE FIRST ORDER OF BUSINESS.

HOWARD COUNTY DESIGN MANUAL AND THE STANDARDS

EROSION AND SEDIMENT CONTROL NOTES

ABOVE). IMMEDIATELY PRIOR TO SEEDING, APPLY 400 POUNDS OF 38-0-0 UREAFORM AND 500 POUNDS OF 10-20-20 PER ACRE.

6. MULCH SHALL BE CLEAN, WEED-FREE. UNROTTED STRAW APPLIED AT THE RATE OF NOT LESS THAN 11 TONS PER ACRE OR WOOD

ASPHALT APPLIED AT A RATE OF 5 GALLONS PER 1000 SOUARE

FEET. REFERENCE SUBPARAGRAPH 219.10-6 FOR MULCH ANCHORING

7. MULCH SHALL BE ANCHORED WITH CUT-BACK AND EMULSIFIED

- 1. Implement conditions & requirements of the temporary waterway construction permit- see contract specifications.
- Install required sediment & crosion control devicessee plan this sheet.
- Clear and grub as necessary- within the limits of the sewer main right of way only. 4. Excavate trench; place excavated material on the
- upgrade side of the sewer main trench. Install sewer main, backfill & compact trench in
- accordance with the contract specifications. For installation of the sewer main at the existing swale see the stream crossing detail this
- 7. Stabilize, seed and mulch all disturbed areas in accordance with the permanent stabilization and seeding
- notes shown on this sheet. Place rip rap at the swale crossings as shown in plan & in accordance with
- the detail this sheet. 9. Following successful stabilization of all disturbed areas and upon approval of the Soil Conservation District inspector, remove the erosion & sediment