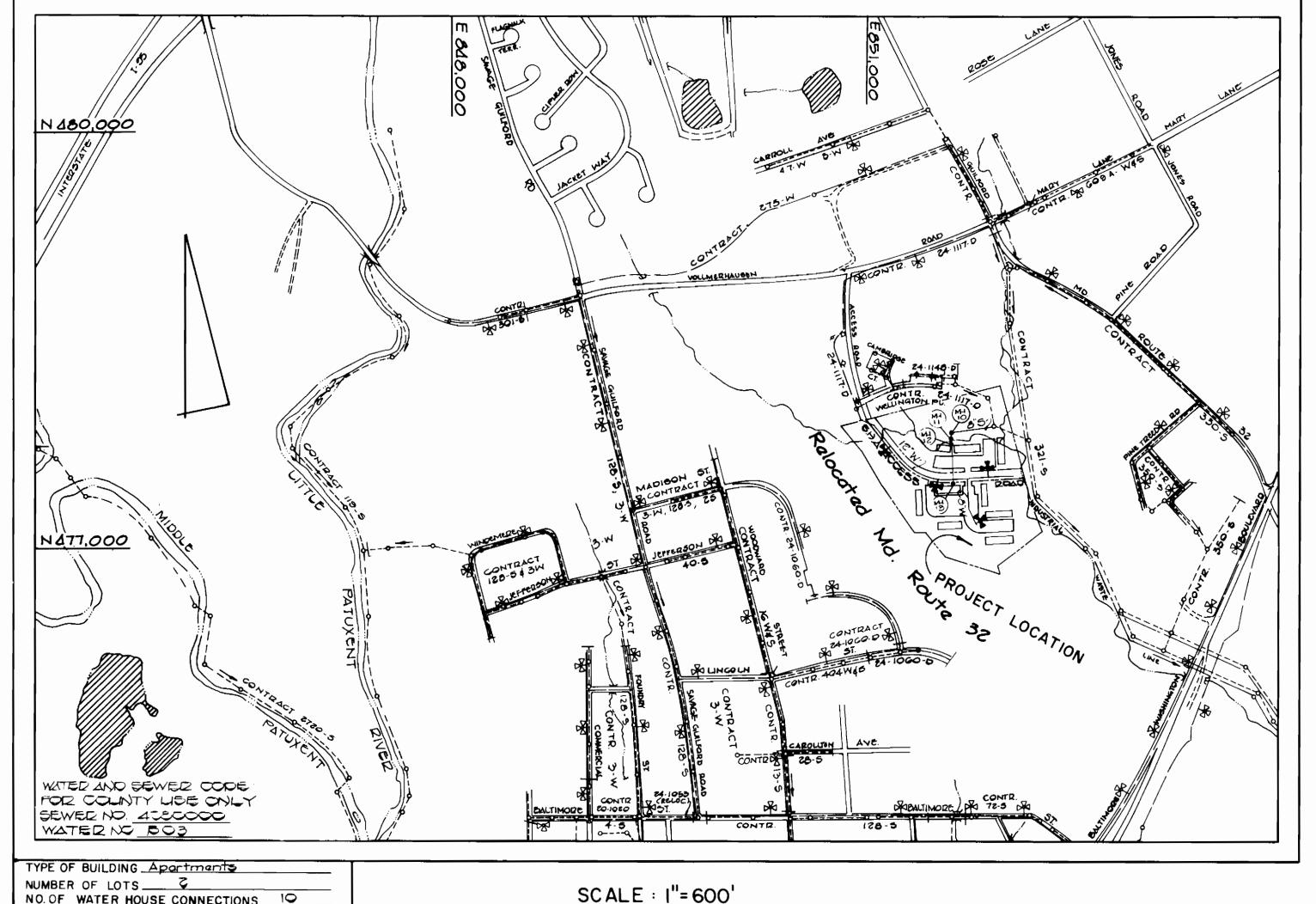
| QUANTITIES | | | | | | | |
|---------------|------------------|----------|----------------------------|--|--|--|--|
| ITEM | EST'D | AS BUILT | SUPPLIER GRIFFIN GRIFFIN | | | | |
| 12" WATER | 1227 L.F. | 1227 L.F | | | | | |
| 8" WATER | 383 L.F. | 382 L.F. | | | | | |
| 6" WATER | WATER GO L.F. | | GRIFFIN | | | | |
| 2" W.H.C. | 740L.F | 240 L.F. | CAMBRIDGE LEE | | | | |
| METER VAULTS | ER VAULTS 10 EA. | | ATLANTIC | | | | |
| FIRE HYDRANTS | 4 EA. | 4 EA. | M¢H | | | | |
| 8" SEWER | 769 L.F. | 743 L.F. | NAT'L PV.C. | | | | |
| 6" SEWER | 6" SEWER | | NAT'L P.V.C. | | | | |
| MANHOLES | 4 EA. | 4 EA. | ATLANIC | | | | |
| 12" VALVES | I EA. | IEA. | MĖH | | | | |
| 8" VALVES | I EA. | I EA. | ΜţΗ | | | | |
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CONTRACTOR SHALL VEIZIFY QUANTITIES TO THEIR OWN SATISFACTION MIDDE TO BIDDING



CONTRACT NO.24-1260 - D

AUTUMN WOODS

WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN F 85-19

REVIEW FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS U.S. SOIL CONSERVATION SERVICE

EROSION AND SEDIMENT CONTROL BY howard soil conservation district

HOWARD SOIL CONSERVATION DISTRICT FISHER,COLLINS,AND CARTER,INC.

> 8388 COURT AVENUE ELLICOTT CITY, MARYLAND 21043



| DATE: 7/13/84 | BY | NO. | REVISION | 1 |
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| DRN: D.E.V. | | | |] |
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| DES: DEV/DBS | | · | | ┨ |

SHEET

AUTUMN WOODS

SIXTH ELECTION DISTRICT

SCALE AS SHOWN

CONTRACT NO.24-1260-D HOWARD COUNTY, MARYLAND

AUTUMN WOODS

CONTRACT NO. 24-1260-D

WATER AND SEWER EXTENSION HOWARD COUNTY, MARYLAND

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 SUPPLY. 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. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED THE UTILITIES 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. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

BALTIMORE GAS & ELECTRIC COMPANY-CONTRACTOR SERVICES: 561-2585 BALTIMORE GAS & ELECTRIC COMPANY-UNDER GROUND DAMAGE CONTROL:234-5621 BALTIMORE GAS & ELECTRIC COMPANY-TROUBLE SHOOTING: 298-9013

"MISS UTILITY": 1-559-0100 CHESAPEAKE & POTOMAC TELEPHONE COMPANY: 725-9976 BUREAU OF UTILITIES - HOWARD COUNTY : 992 - 2366

TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES 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 AS DIRECTED BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.

PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.

ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., P.V.C., V.C.P.X. OR A.C.P. CLASS 2400 UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR

MANHOLE WALLS. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE BRICK MANHOLES ONLY

ALL WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED. TOP OF WATER MAINS TO HAVE A MINIMUM OF 3'-6"COVER UNLESS OTHERWISE NOTED. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS, SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTION 1003 AND 1008 OF THE STANDARD

ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN OUTSIDE METER SETTING. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM. WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT LEAST ONE (I) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.

MANHOLES LOCATED WITHIN PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAME AND COVER, STANDARD DETAIL G5.51

MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 65.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS. FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARED TYPED FITTINGS ONLY 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. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV

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 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

ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.

INSTALLATION OF 2" WHO SHALL BE IN ACCORDANCE WITH SECTION 909.15 OF AND DETAIL WE SA ATTACHED TO SPECIAL PROVIDIONS.

THIS DEVELOPMENT PLAN IS APPROVED FOR

SHEET _OF_4

DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF UTILITIES

CHIEF, LAND DEVELOPMENT DIVISION DATE

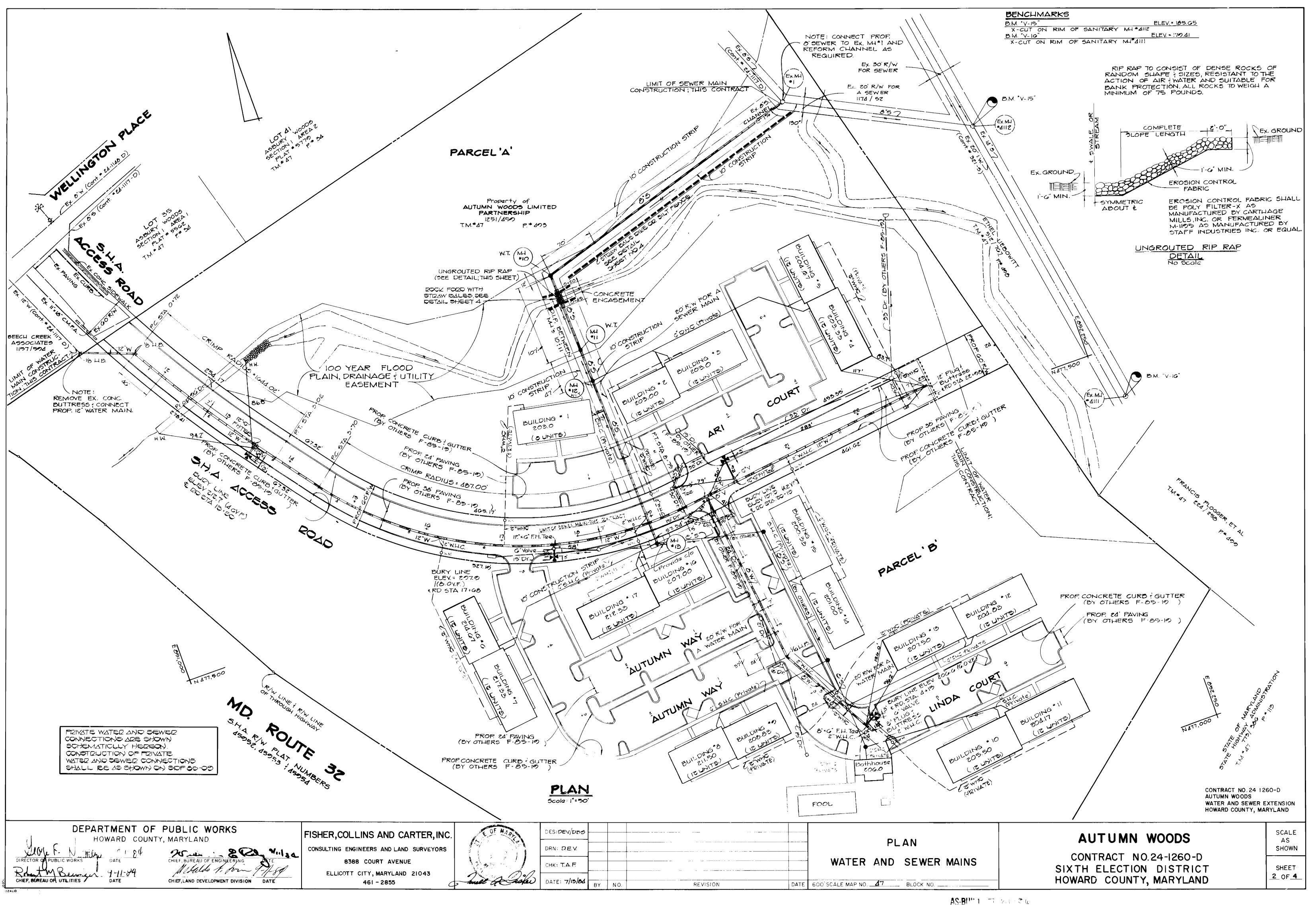
NO. OF WATER HOUSE CONNECTIONS.

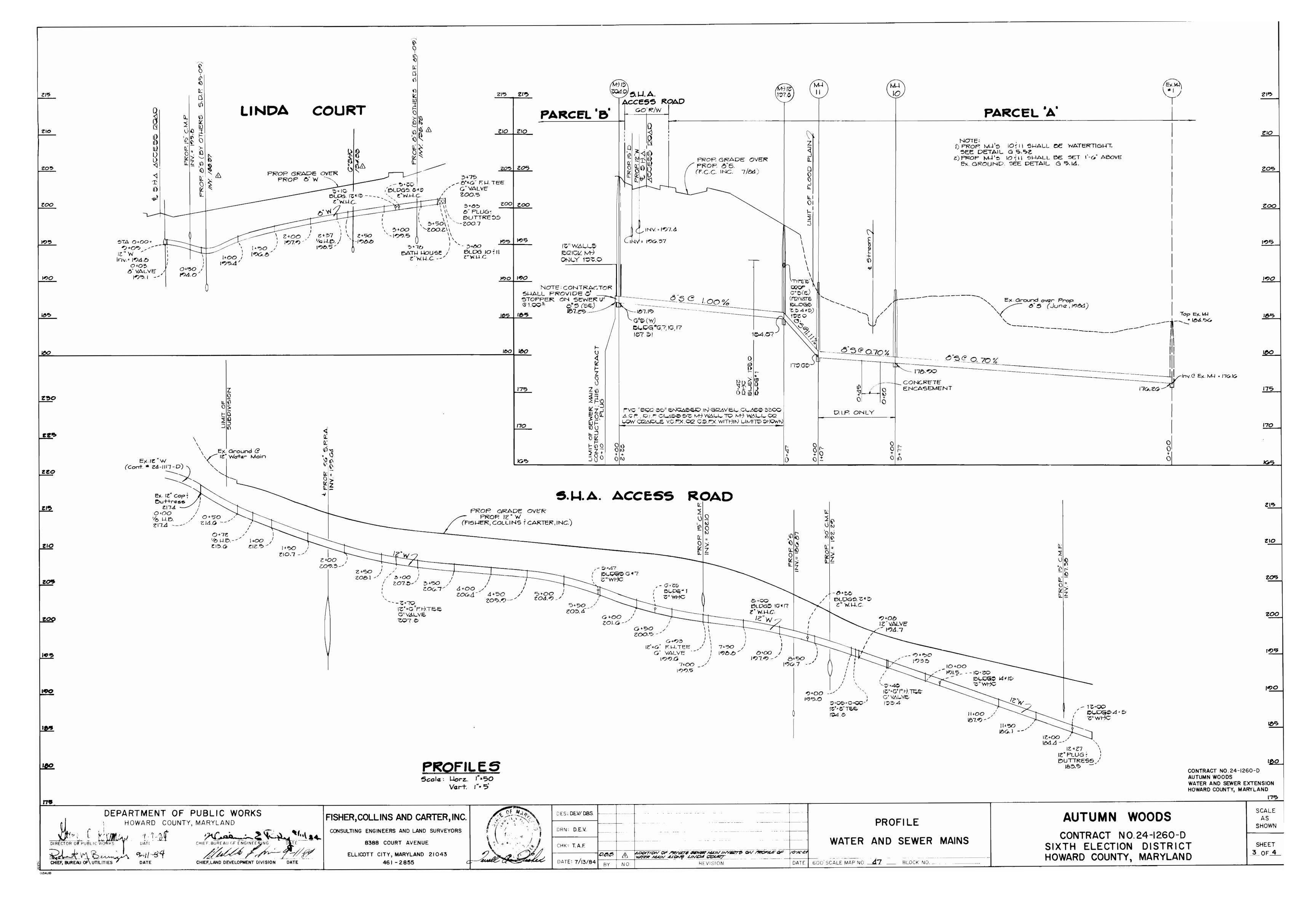
NO. OF SEWER HOUSE CONNECTIONS_

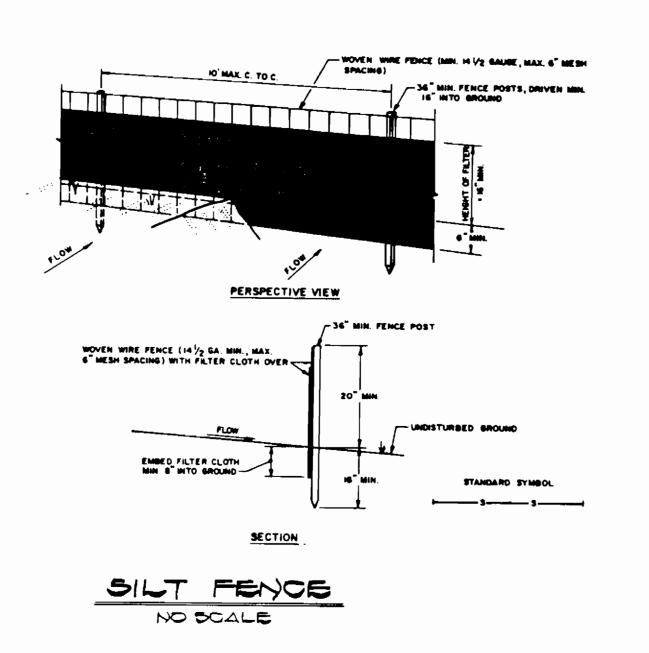
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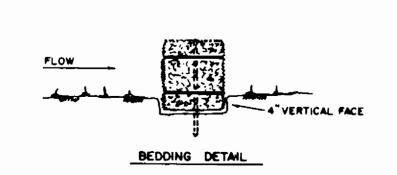
CONSULTING ENGINEERS AND LAND SURVEYORS



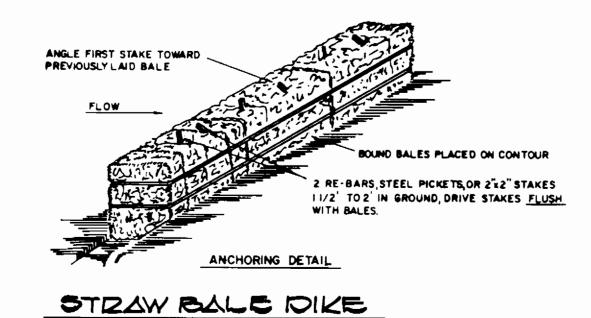








STANDARD SYMBOL



NO SCALE

\$ MOPOSED SEWED MAIN I. DOCK FORCE TO BE PLACED PRIOR TO CROSSING STREAM.

3 THERE WILL BE WATER 4'TO G' MINIMUM DEEP RUNNING OVER THE FORD AT NORMAL WATER LEVEL

3 FORD TO BE CONSTRUCTED OF 150 TO 500 LB DOCK WITH SMALLER ROCK ON THE TOP FOR THE RUNNING SURFACE

4 THE BANK SHALL BE CUT BACK AT 5 1 SUCPE AT THE FORD

5. THE CONTRACTOR SHALL NOT OFEN THE TRENCH ACROSS THE STREAM UNTIL THE PIPE IS ON SITE AND READY TO BE INSTALLED.

INSTALLED.

G THE ROCK FORD SHALL DEMAIN IN FLACE DURING INSTALLATION OF THE THROUGH STREAM TUPON COMPLETION AND BACKFILLING THE DOCK FORD SHALL BE REMOVED AND THE STONES PLACED ON THE DISTURBED STREAM BANK AS DIP-DAP SEE DETAIL THIS SHIEET.

> ROCK FORD WITH STRAW BALES NO SCALE

CONTRACT NO. 24-1260-D AUTUMN WOODS WATER AND SEWER EXTENSION HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

FISHER, COLLINS AND CARTER, INC. CONSULTING ENGINEERS AND LAND SURVEYORS 8388 COURT AVENUE ELLICOTT CITY, MARYLAND

461-2855

| *** | DES:D.B.S. | | | |
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| | DRN:D.B.S. | | | |
| | CHK:T. A .F. | | | |
| mell A. Fisher | DATE: 8/31/84 | ВҮ | NO. | REVISION |
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SEDIMENT CONTROL DETAILS WATER AND SEWER MAINS DATE 600 SCALE MAP NO BLOCK NO. ___

AUTUMN WOODS

CONTRACT NO.24-I260-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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DIKE

SCALE AS SHOWN SHEET

4 OF 4