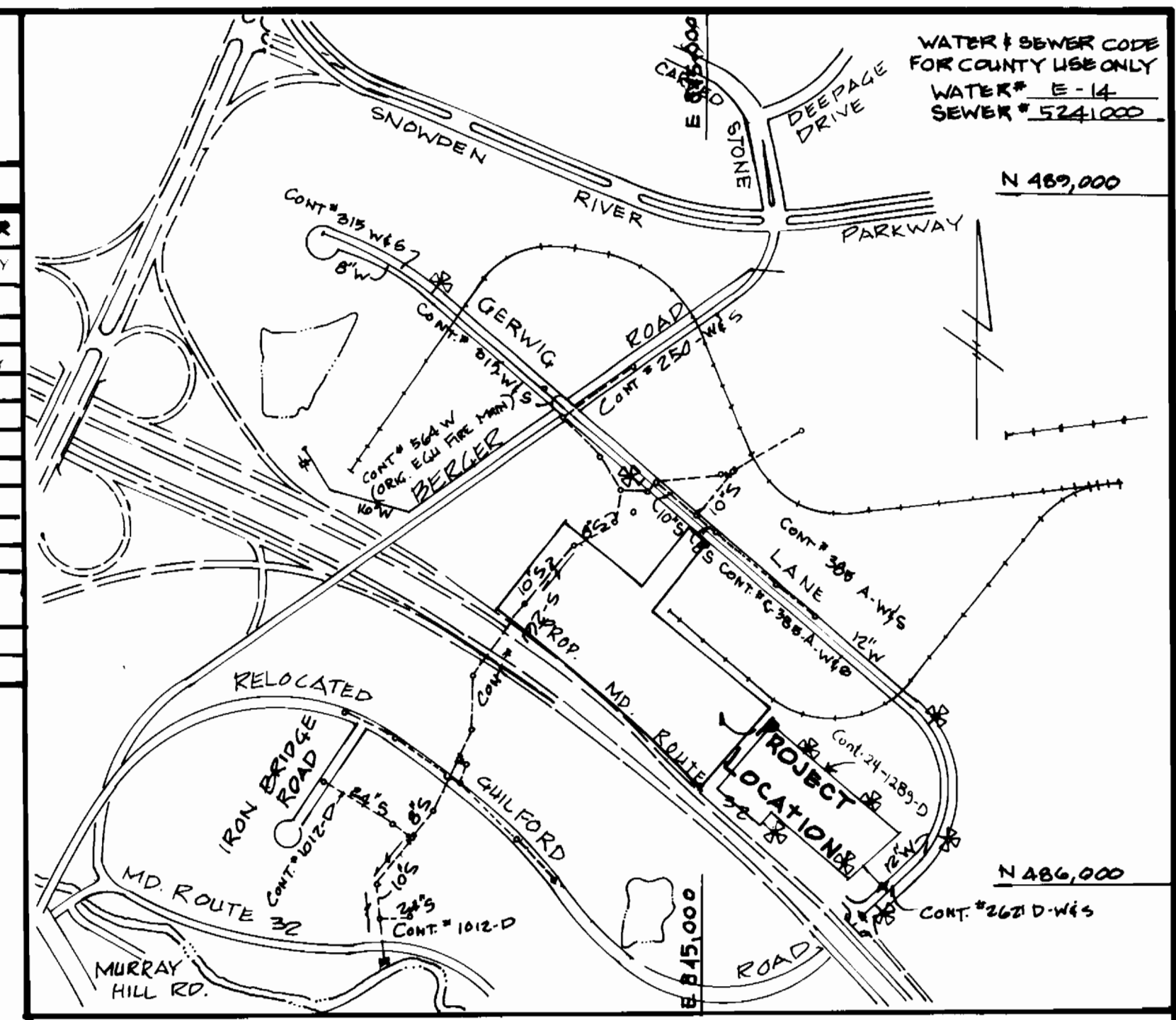


TYPE OF BLDG.: 1 STORY OFFICE & WAREHOUSE
 NUMBER OF LOTS: 1
 NUMBER OF WATER HOUSE CONNECTIONS: 1
 NUMBER OF SEWER HOUSE CONNECTIONS: 1
 DRAINAGE AREA: LITTLE PATUXENT

QUANTITIES			
ITEM	ESTIMATED	AS-BUILT	MATERIALS/SUPPLIER
6" WATER (D.I.P.)	2963 LF.	1963 LF.	U.S. PIPE FOUNDRY
6" TAPPING SLEEVES	2 EA.	2 EA.	CLOW
6" VALVE	6 EA.	6 EA.	U.S. PIPE FOUNDRY
6" 1/4 HORIZ. BEND	6 EA.	6 EA.	"
6" 90° CROSS	1 EA.	1 EA.	"
6" 45° TEE	4 EA.	4 EA.	"
6" VALVE	4 EA.	4 EA.	"
6" WATER (D.I.P.)	85 LF.	85 LF.	"
6" F.H. 5' BURY	1 EA.	1 EA.	"
6" F.H. 5' BURY	3 EA.	3 EA.	"
6" SEWER TYPED PROP CONNECTION TO EXISTING MH	1 EA.	1 EA.	"
6" SEWER (PVC)	10 LF.	10 LF.	"
6" CAP	1 EA.	1 EA.	"



- GENERAL NOTES**
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS & 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.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 UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON DRAWINGS. IN THE EVENT THE CONTRACTOR WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY 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 POLES.
 - FOR DETAILS NOT SHOWN ON DRAWINGS, AND FOR MATERIALS & METHODS OF CONSTRUCTION, USE HOWARD COUNTY DESIGN MANUAL, VOLUME II, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME II ON THE JOB.
 - WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL \square AT THE LOCATION OF THE TEST PIT. 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 OPERATION AT HIS OWN EXPENSE.
 - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - A. STATE HIGHWAY ADMINISTRATION - 531-3535
 - B. BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL - 234-5621
 - C. BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING - 298-9013
 - D. MISS UTILITY - 1-557-0100
 - E. BALTIMORE GAS & ELECTRIC CO. CONTRACTOR SERVICE - 561-2985
 - F. COLONIAL PIPELINE CO. - 795-1390
 - G. BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 992-2366
 - TREES & SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES & SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY CONTRACTOR.
 - CONTRACTOR SHALL REMOVE TREES, SHRUBS & ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
 - ALL WATER MAIN TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
 - TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3/8" COVER UNLESS OTHERWISE NOTED.
 - VALVES ADJACENT TO TREES SHALL BE STRAPPED TO TREES.
 - ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE NOTED.
 - FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWING. ALL FIRE HYDRANTS SHALL BE STRAPPED & BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1003 OF THE STANDARD SPECIFICATION.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
 - ALL SEWER MAIN SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., A.C.P. CLASS 3600, OR PVC UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 20' OF EXISTING M.H. WALLS.
 - ALL M.H. SHALL BE 4.0' INSIDE DIAMETER UNLESS OTHERWISE NOTED.
 - MANHOLES SHOWN WITH 12" & 16" WALLS ARE BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN PLAN & PROFILE SHALL HAVE WATER TIGHT FRAME AND COVERS, STANDARD DETAIL 4-5.52. WHERE WATER TIGHT MANHOLE FRAME & COVER IS USED, SET TOP OF FRAME @ 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.
 - HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.
 - ALL WATER HOUSE CONNECTIONS SHALL BE INSIDE SETTINGS UNLESS OTHERWISE NOTED.
 - SERVICE CLAMPS ARE TO HAVE STAINLESS STEEL CLAMPS
 - CONNECTION ON GERWIG LANE SHALL BE ACCORDING TO HOWARD COUNTY DESIGN MANUAL DETAIL NO. W 4.21 (JACKING AND BORING INSTALLATION)

REVIEW FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 SIGNATURE: [Signature] DATE: 10/2/86
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: [Signature] DATE: 10-27-86
 HOWARD COUNTY SOIL CONSERVATION SERVICE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATION AND SDP 86-215

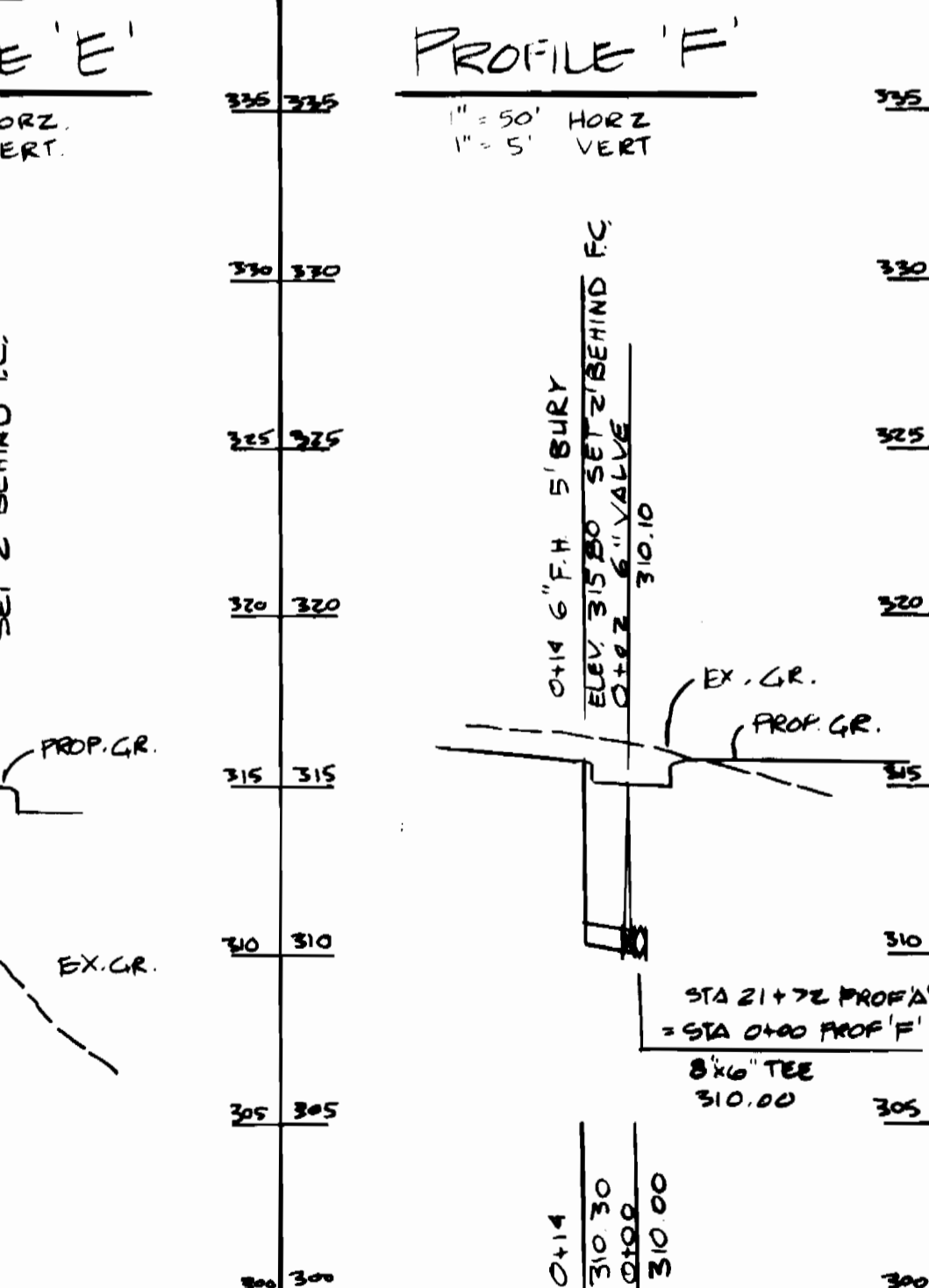
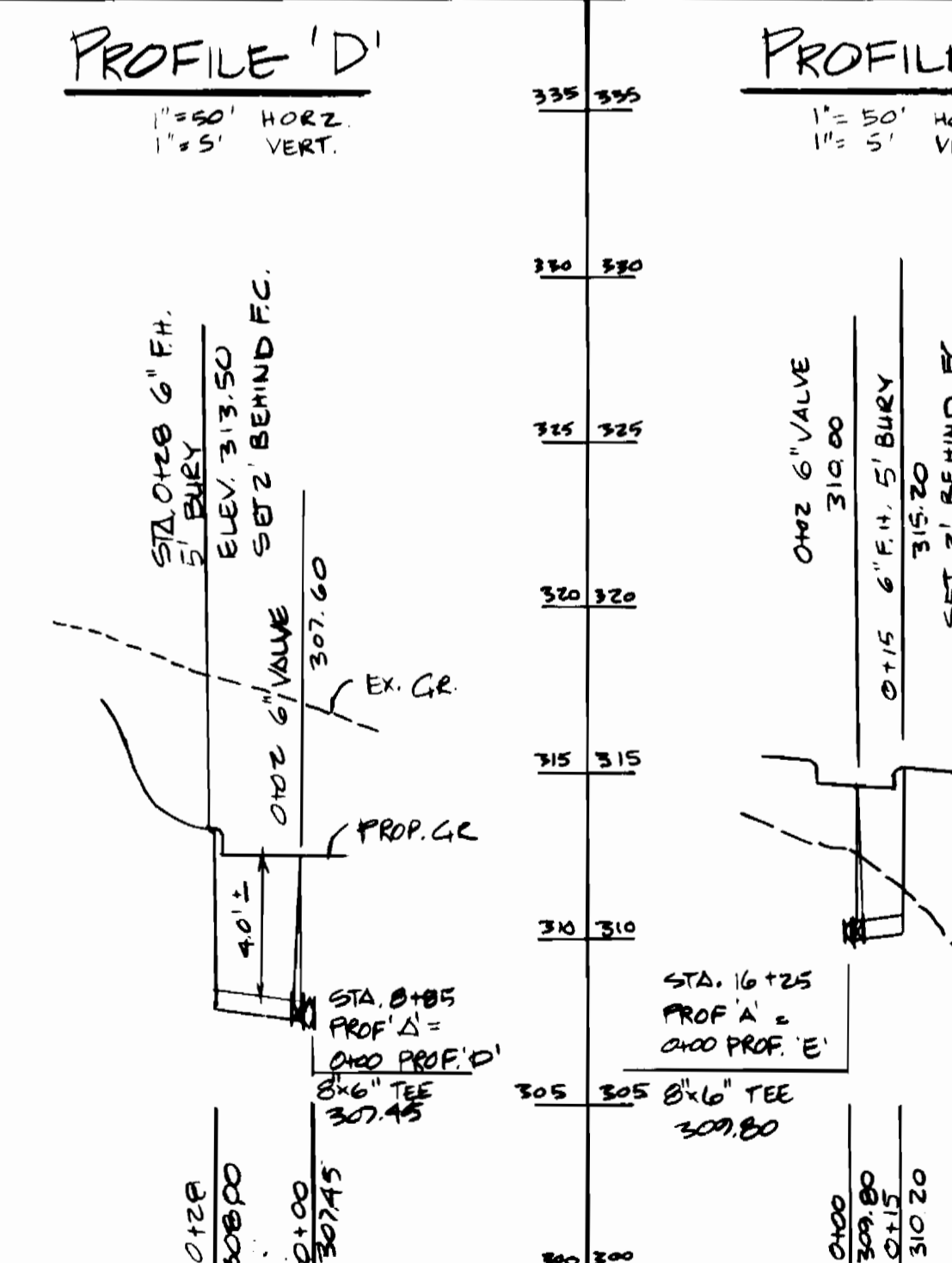
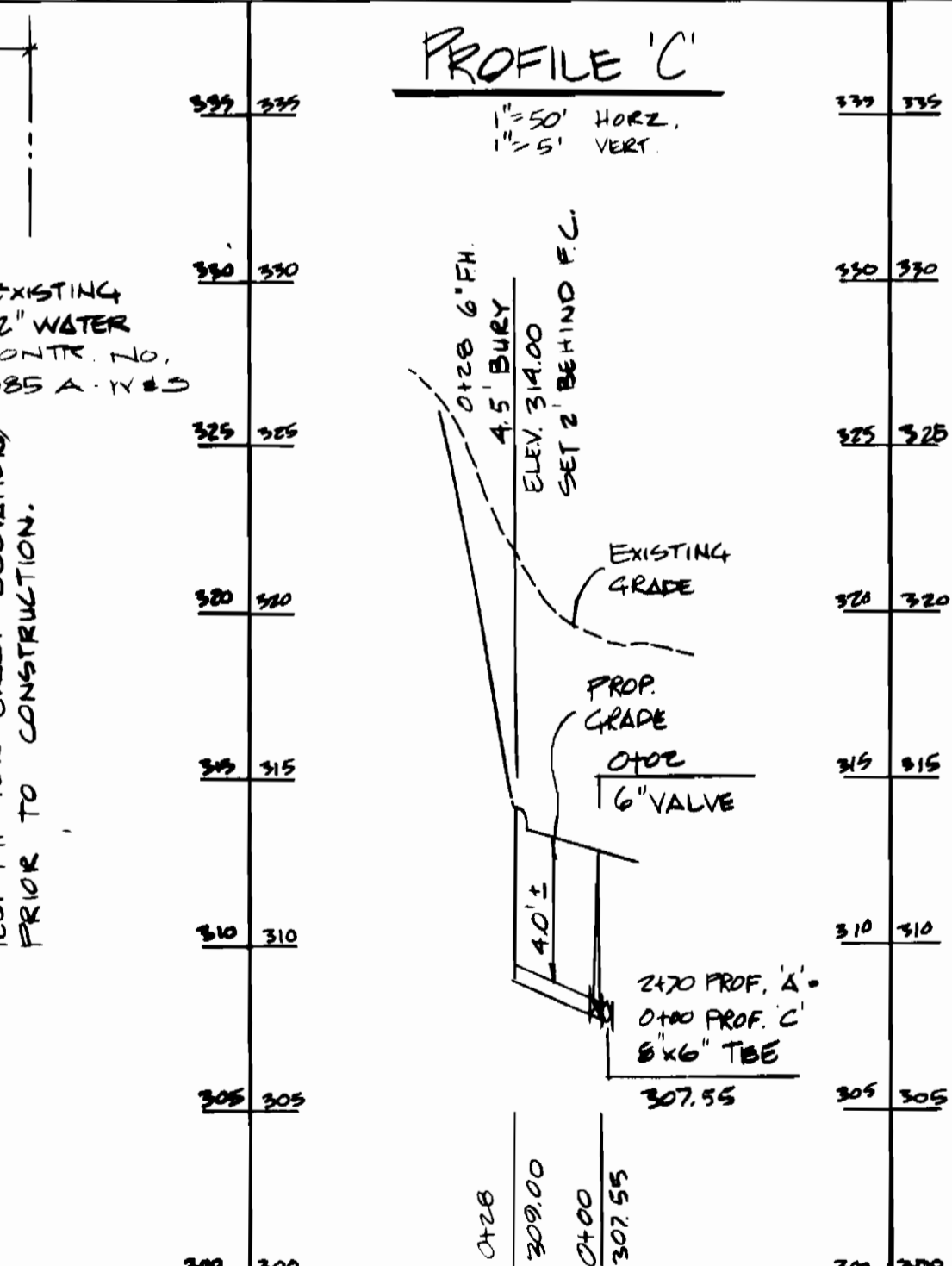
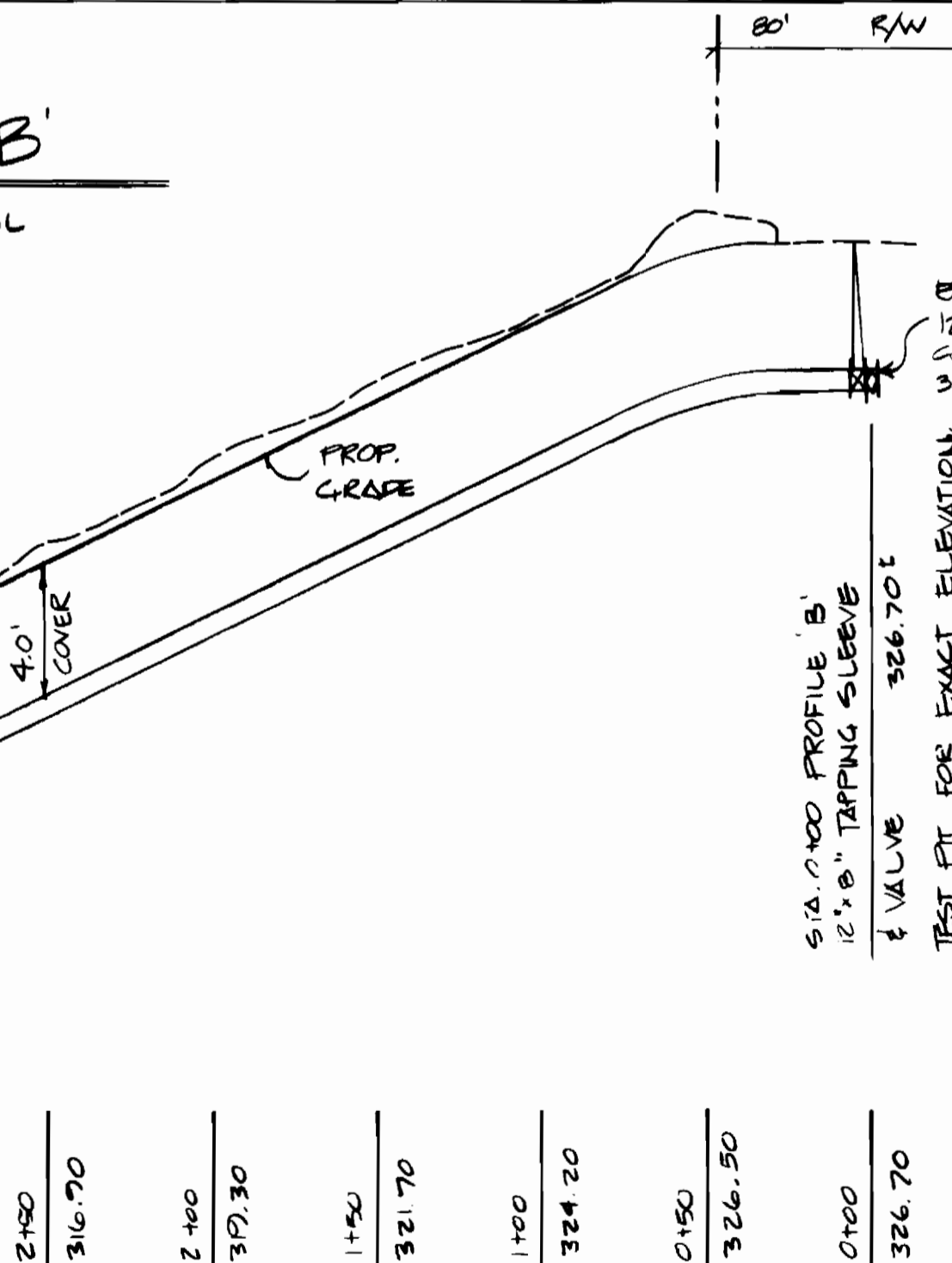
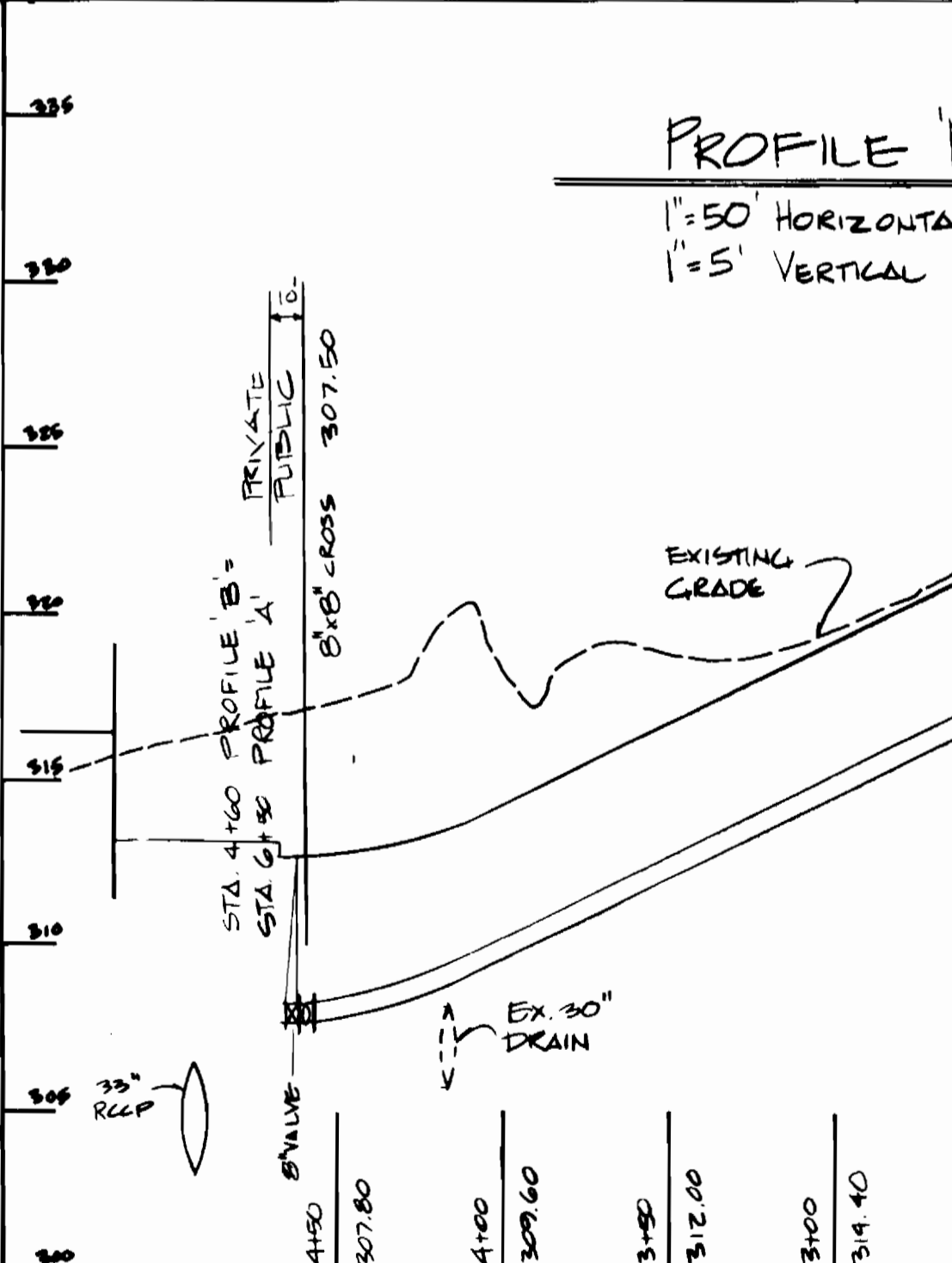
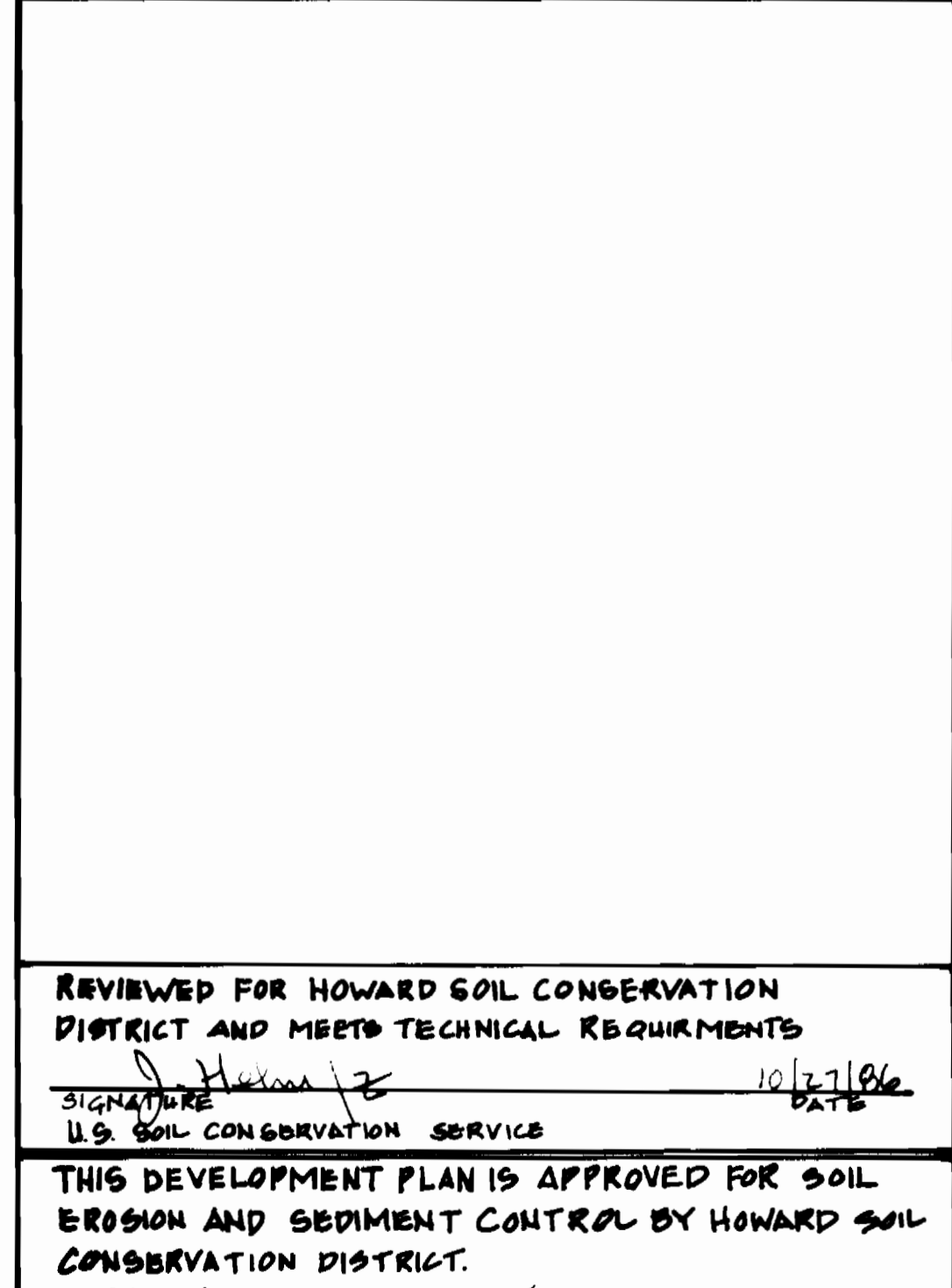
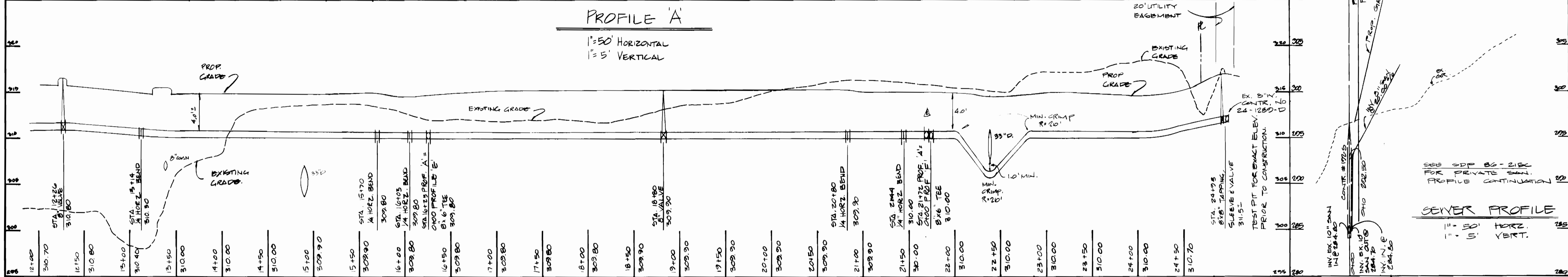
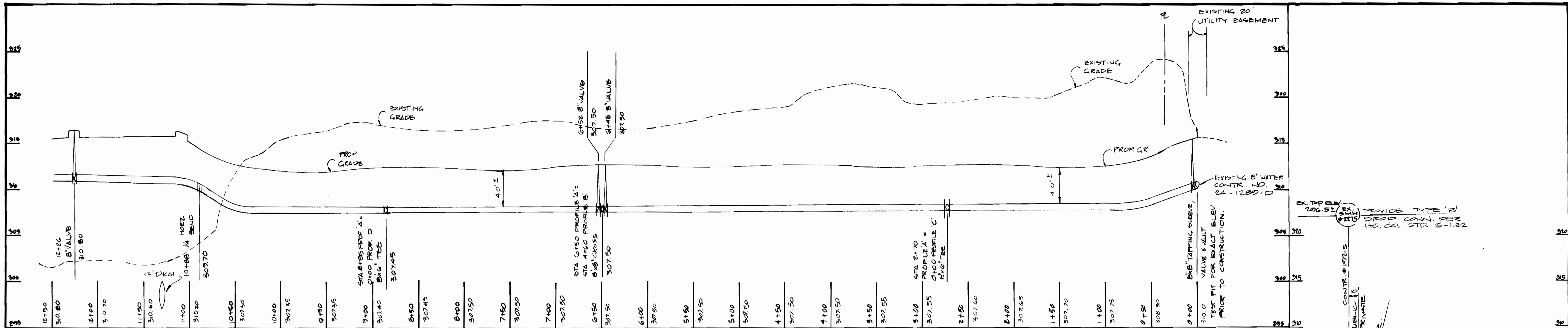
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DIRECTOR OF PUBLIC WORKS: [Signature] DATE: 11-6-86
 CHIEF, BUREAU OF UTILITIES
 CHIEF, BUREAU OF ENGINEERING: [Signature] DATE: 11-5-86
 CHIEF, DIV. OF LAND DEVELOPMENT: [Signature] DATE: 11-5-86

WILLIAM R. SHUECK AND ASSOCIATES INC.
 112 SOUTH MAIN STREET
 BEL AIR, MARYLAND 21014
 836-5833 879-4353

DES: R.W.R.	DATE: 2/21/86
CHK: R.W.R.	BY: [Signature]
DATE: 2/21/86	NO. []
REVISION	DATE

PLAN & PROFILE FOR PROPOSED WATER MAIN
 CONTRACT No. - 24-1520-D

GUILFORD INDUSTRIAL PARK
 SECTION "2" AREA "3" PARCEL A-3
 COLUMBIA ELECTION DISTRICT #6
 HOWARD COUNTY, MARYLAND
 TAX MAP # 42
 FEBRUARY 21, 1986
 SCALE AS SHOWN
 SHEET 1 OF 2



REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 SIGNATURE: [Signature] DATE: 10/27/86
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: [Signature] DATE: 10-27-86
 HOWARD COUNTY SOIL CONSERVATION SERVICE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 213 OF THE STANDARD SPECIFICATION AND S.D.P. # 213

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DIRECTOR OF PUBLIC WORKS: [Signature] DATE: 11-6-86
 CHIEF, BUREAU OF ENGINEERING: [Signature] DATE: 11-3-86

WILLIAM R. SUDECK AND ASSOCIATES INC.
 112 SOUTH MAIN STREET
 BEL AIR, MARYLAND 21014
 858-5853 879-4353
 CHIEF, DIV. OF LAND DEVELOPMENT: [Signature] DATE: 11-5-86

DES: R.W.R. DATE: 2/21/86
 DRN: K.M.G.
 CHK: R.W.R.
 BY NO. REVISION

PLAN & PROFILE FOR PROPOSED WATER MAIN
 CONTRACT NO. 24-1520-D

CHILFORD INDUSTRIAL PARK SECTION "2" AREA "3" PARCEL A-3
 HOWARD COUNTY, MARYLAND ELECTION DISTRICT "G"
 TAX MAP # 42
 FEBRUARY 21, 1986
 SCALE AS SHOWN SHEET 2 OF 2