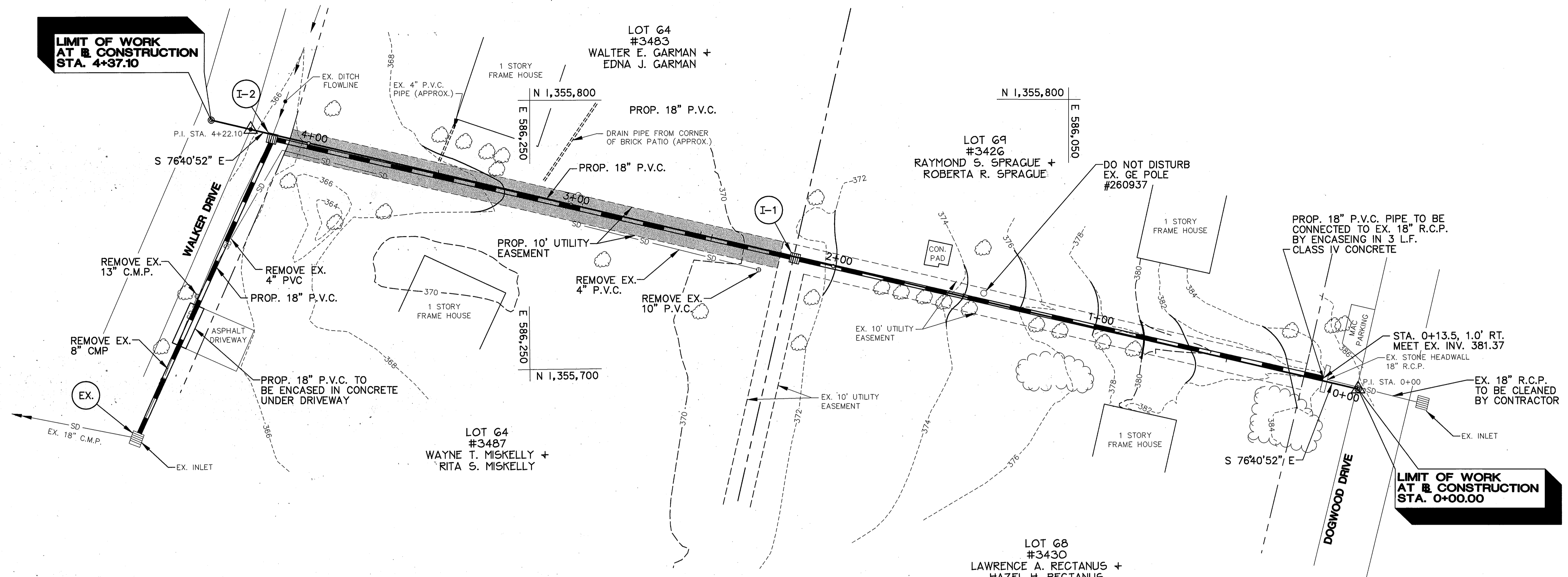


LIMIT OF WORK AT B. CONSTRUCTION STA. 4+37.10

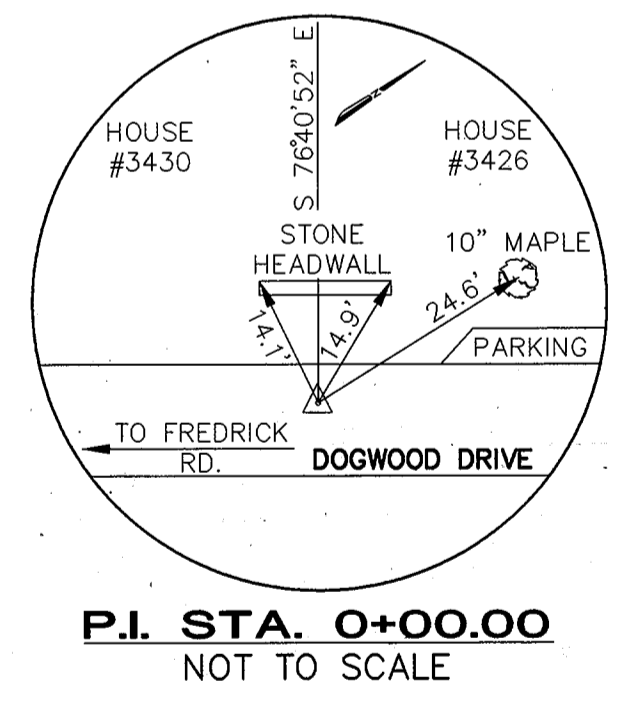
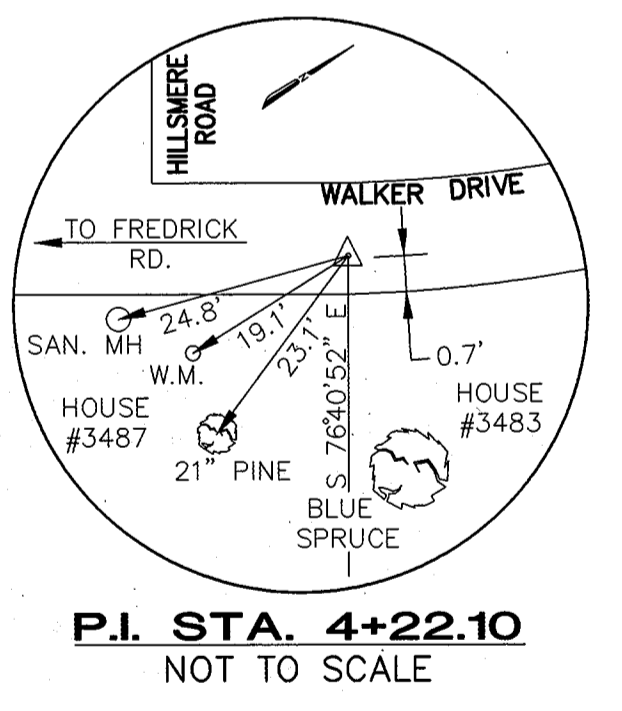
LIMIT OF WORK AT B. CONSTRUCTION STA. 0+00.00



PLAN
SCALE: 1" = 20'

- ALL INFORMATION AND DETAILS ON THESE DRAWINGS SHALL BE AS DIRECTED BY THE HOWARD COUNTY ENGINEER.
- ALL STATIONING AND DIMENSIONING ARE TO BE FIELD VERIFIED BY HOWARD COUNTY ENGINEER.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
 - MISS UTILITY 1-800-257-7777
 - Baltimore Gas & Electric Company

- THE CONTRACTOR SHALL CONTACT THE HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION OF ENGINEERING FOR VERIFICATION AND/OR INFORMATION REGARDING:
- PROPOSED/EXISTING RIGHT-OF-WAY.
 - UTILITY RELOCATION.
 - MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.
 - EROSION/SEDIMENT CONTROL CERTIFICATION AND PERMIT.
 - HORIZONTAL/VERTICAL SURVEY CONTROL.
- SEE HOWARD COUNTY STANDARD DETAILS NO'S G-1.01 & G-1.02 FOR STANDARD SYMBOLS.
 - ALL COORDINATES ARE BASED ON MARYLAND GRID.
 - MAINTENANCE OF TRAFFIC SHALL BE HANDED BY STANDARD MD-104.108 MARYLAND DEPARTMENT OF TRANSPORTATION - WORK ZONE TRAFFIC CONTROL TYPICAL - SHOULDER WORK.
 - RIGHT-OF-WAY LINES AS SHOWN ON THESE PLANS ARE FOR ASSISTANCE IN INTERPRETING THE PLANS. THESE LINES DO NOT REPRESENT THE OFFICIAL PROPERTY ACQUISITION LINES. FOR OFFICIAL RIGHT-OF-WAY AND EASEMENT INFORMATION REFER TO THE APPROPRIATE RIGHT-OF-WAY PLATS.
 - ALL TREES TO REMAIN OR AS DIRECTED BY HOWARD COUNTY ENGINEER.
 - PIPES SHOWN ON PLANS AND IDENTIFIED AS APPROXIMATE WERE REPORTED BY PROPERTY OWNER AND WERE NOT FIELD LOCATED.



LIST OF QUANTITIES	
ITEMS	QUANTITY
CLEARING AND GRUBBING	L.S.
CLASS 2 EXCAVATION	170 C.Y.
BORROW EXCAVATION	110 C.Y.
18" POLYVINYL CHLORIDE (P.V.C.)	514 L.F.
INLETS (YARD)	2 EA.
CONCRETE ENCASUREMENT	20 L.F.
CLEAN EX. PIPE	35 L.F.
REMOVE 4" P.V.C.	176 L.F.
REMOVE 8" C.M.P.	54 L.F.
TOPSOIL, SEED & MULCH	1085 S.Y.
REMOVE EX. BITUMINOUS PVMT.	10 S.Y.
SAWCUT	34 L.F.
P-8 PVMT. SECTION	10 S.Y.

PIPE SCHEDULE							
FROM	TO	TYPE	SIZE	LENGTH	SLOPE	INV. FROM	INV. TO
EX. HEADWALL	I-1	P.V.C.	18"	199.0 LF.	6.62%	381.37	368.00
I-1	I-2	P.V.C.	18"	195.0 LF.	1.94%	367.75	363.65
I-2	EX. INLET	P.V.C.	18"	120.0 LF.	0.28%	363.55	363.22

STRUCTURE SCHEDULE							
STRUCTURE NO.	TYPE	TOP ELEV.	INV. IN	INV. OUT	REMARKS	STATION/OFFSET	
I-1	YARD	371.50	368.00	367.75	SD-4.14	2+14	0.5' LT.
I-2	YARD	365.38	363.65	363.55	SD-4.14	4+13	1.5' LT.
EX.	-----	364.77	363.22	363.20	EX. 5'x6' INLET	4+37.1	121.5' LT.

C317A201

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James J. Lee 11/16/97
CHIEF, BUREAU OF PUBLIC WORKS

Richard J. Eppson 12/23/96
CHIEF, BUREAU OF ENGINEERING

Robert W. Slaughter 1-6-97
CHIEF, BUREAU OF HIGHWAYS

Elizabeth Anderson 12/23/96
CHIEF, DIVISION OF TRANSPORTATION PROJECTS AND WATERSHED MANAGEMENT

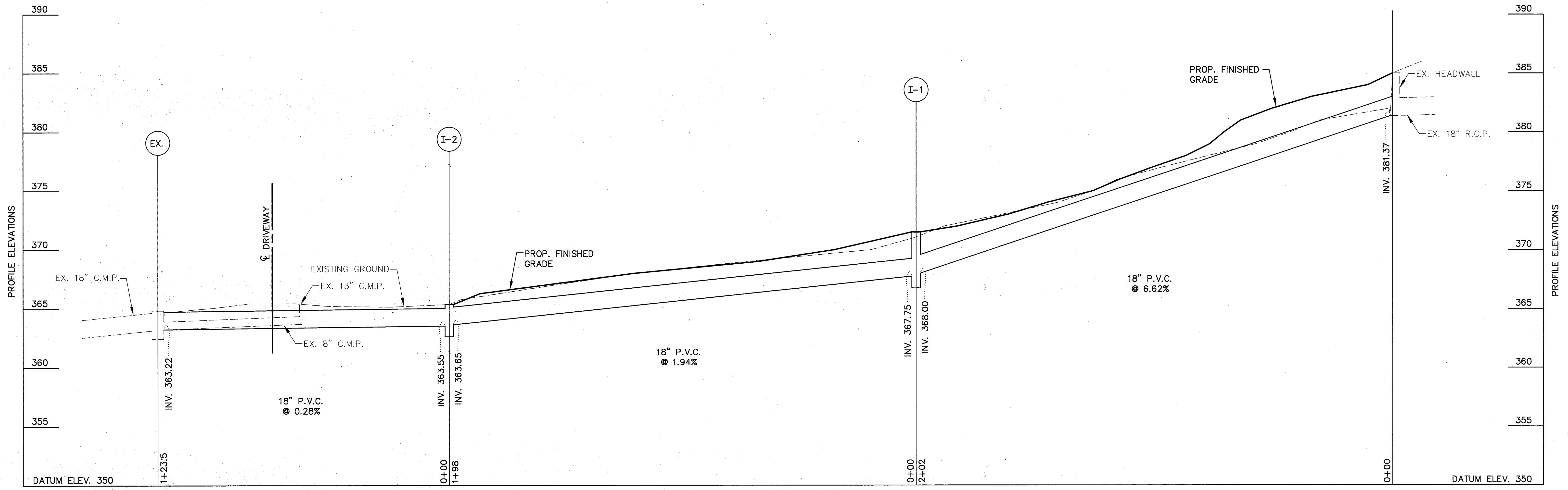
A/E GROUP, INC.
ENGINEERS • PLANNERS
11409 Cronhill Drive
Owings Mills, Maryland 21117
A/E Job No. 96-309-005

DES: R.J.S.					
DRN: T.A.C.					
CHK: S.R.H.					
DATE: 12/96	BY	NO.	REVISION	DATE	600' SCALE MAP NO. _____ DATE: _____

CAPITAL PROJECT NO.
D-1078

PLAN SHEET
Dogwood Drive Drainage

SCALE AS SHOWN
SHEET 1 OF 2



STORM DRAIN PROFILE

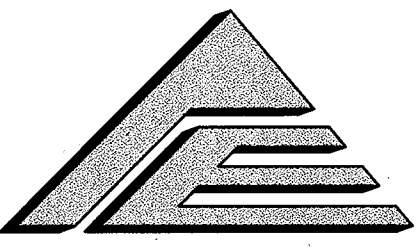
SCALE: HORZ. 1" = 20'
VERT. 1" = 4'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Jamie A. Lewis 1/14/97
CHIEF, BUREAU OF PUBLIC WORKS

Richard J. Spon 12/23/96
CHIEF, BUREAU OF ENGINEERING

Elizabeth Anderson Salva 12/23/96
CHIEF, DIVISION OF TRANSPORTATION PROJECTS AND WATERSHED MANAGEMENT



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CAPITAL PROJECT NO.
D-1078

DATE: 12/96

STORM DRAIN PROFILE
Dogwood Drive Drainage

SCALE AS SHOWN
SHEET 2 OF 2

C:\MSD1-02