


GENERAL NOTES

PART I:

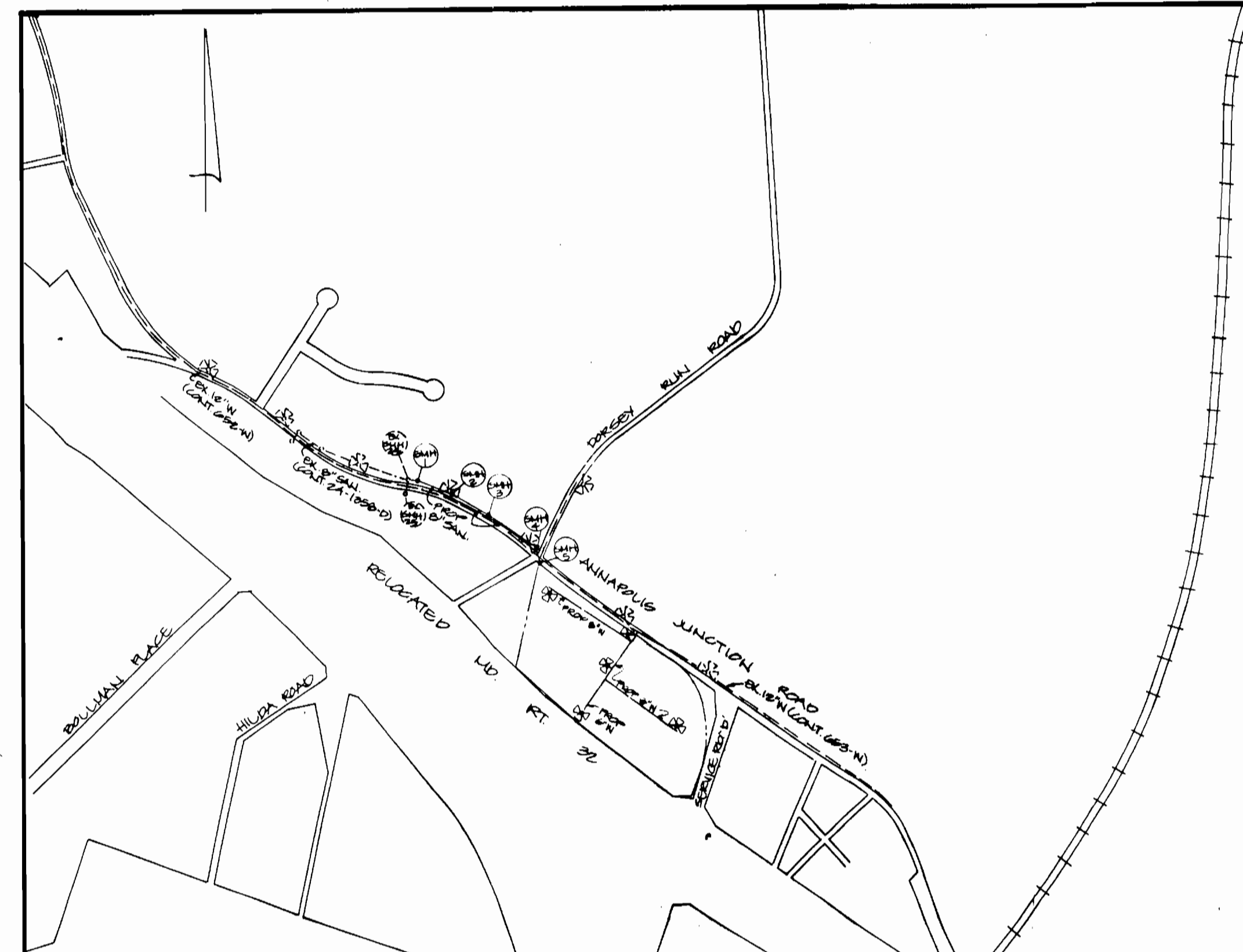
- 1) APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICE AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.
- 2) ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- 3) ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- 4) ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.
- 5) 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 CONTRACTORS 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 THE MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF POLES.
- 6) FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOL. IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOL. IV ON THE JOB.
- 7) 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 RESULTS OF THE TEST 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 AT HIS OWN EXPENSE.
- 8) CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS: STATE HIGHWAY ADMINISTRATION 531-9593, BALTO. GAS & ELECTRIC CO. CONTRACTOR SERVICES 850-4620, BALTO. GAS AND ELECTRIC CO., UNDERGROUND DAMAGE CONTROL 851-9224, BALTO. GAS AND ELECTRIC CO. TROUBLE SHOOTING 248-9221, MISS UTILITY J-559-0100, COLONIAL PIPELINE 195-1390 BUREAU OF UTILITIES, HOWARD CO. DEPT. OF PUBLIC WORKS 992-2366, CAP TELEPHONE 1-800-251-1111
- 9) TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 10) CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- 11) PLACE REGULATION "MEN WORKING" WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATIONS MANUAL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.

PART II: WATER

- 1) ALL WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED.
- 2) TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3.5' COVER UNLESS OTHERWISE NOTED.
- 3) VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 4) ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED ON THE DRAWINGS.
- 5) FIRE HYDRANTS SHALL BE SET TO THE BURY LINE 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 SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 120 AND 122 OF THE STANDARD SPECIFICATIONS.
- 6) THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- 7) ALL WATER HOUSE CONNECTIONS SHALL BE INSIDE METER SETTINGS UNLESS OTHERWISE NOTED.
- 8) ALL FIRE HYDRANTS TO BE SET THREE FEET BEHIND PROPOSED FACE OF CURB UNLESS NOTED OTHERWISE.
- 9) ALL WATER HOUSE CONNECTIONS SHALL COMPLY WITH HOWARD CO. STD. 3.21 AS SHOWN ON ARTICLE 40, SPECIAL PROVISIONS.
- 10) MINIMUM CRIMP RADIUS WILL BE SPECIFIED BY PIPE MANUFACTURER.
- 11) WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT LEAST ONE FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.

PART III: SEWER

- 1) ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., A.C.P. CLASS 2400 OR P.V.C. UNLESS OTHERWISE NOTED.
- 2) THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- 3) ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- 4) MANHOLES SHOWN WITH 12" WALLS ARE BRICK MANHOLES ONLY.
- 5) MANHOLES DESIGNATED W.T. IN THE PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G 5.52 WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS NOTED ON DRAWINGS.
- 6) MANHOLES LOCATED WITHIN PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAME AND COVER, STANDARD DETAIL G 5.51.
- 7) THE CONTRACTOR SHALL ARRANGE TO HAVE THE EXISTING UNDERGROUND CABLE FIELD LOCATED PRIOR TO ANY EXCAVATION FOR THE SEWER MAIN.



VICINITY MAP
SCALE: 1"=100'

TYPE OF BUILDING: OFFICE / WAREHOUSE
 NUMBER OF LOTS: 1
 NUMBER OF WATER H.C.: 4
 NUMBER OF SEWER H.C.: 4
 DRAINAGE AREA: LITTLE PATUXENT
 WATER CODE: 1002
 SEWER CODE: 4150000

QUANTITIES			
ITEM	ESTIMATED	AS BUILT	MATERIAL SUPPLIER
12" X 6" TAPPING SLEEVE	1	1	Merrill Lynch
8" VALVE	7	7	" " "
6" VALVE	5	5	" " "
6" F.H.	5	5	Merrill Lynch
8" X 6" REDUCER	1	1	Carlson Pipe Co.
8" D.I.P.	1512'	1512'	Carlson Pipe Co./K.S. 201
6" D.I.P.	209'	203'	" " " / K.S. 201
8" X 6" TEE	4	4	" " "
8" X 6" TEE	2	4	" " "
8" X 6" CROSS	2	1	" " "
8" CAP	2	2	" " "
8" SANITARY SEWER	885'	0	Deleted

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 DATE: 11-28-86
 U.S. SOIL CONSERVATION SERVICE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATIONS AND SDP 85-207.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DIRECTOR OF PUBLIC WORKS: [Signature] DATE: 11-18-86
 CHIEF, BUREAU OF ENGINEERING: [Signature] DATE: 11-18-86

ENGINEER
 GEORGE WM. STEPHENS JR.
 AND ASSOCIATES, INC.
 303 ALLEGHENY AVENUE
 TOWSON, MARYLAND 21204
 (301) 825-8120

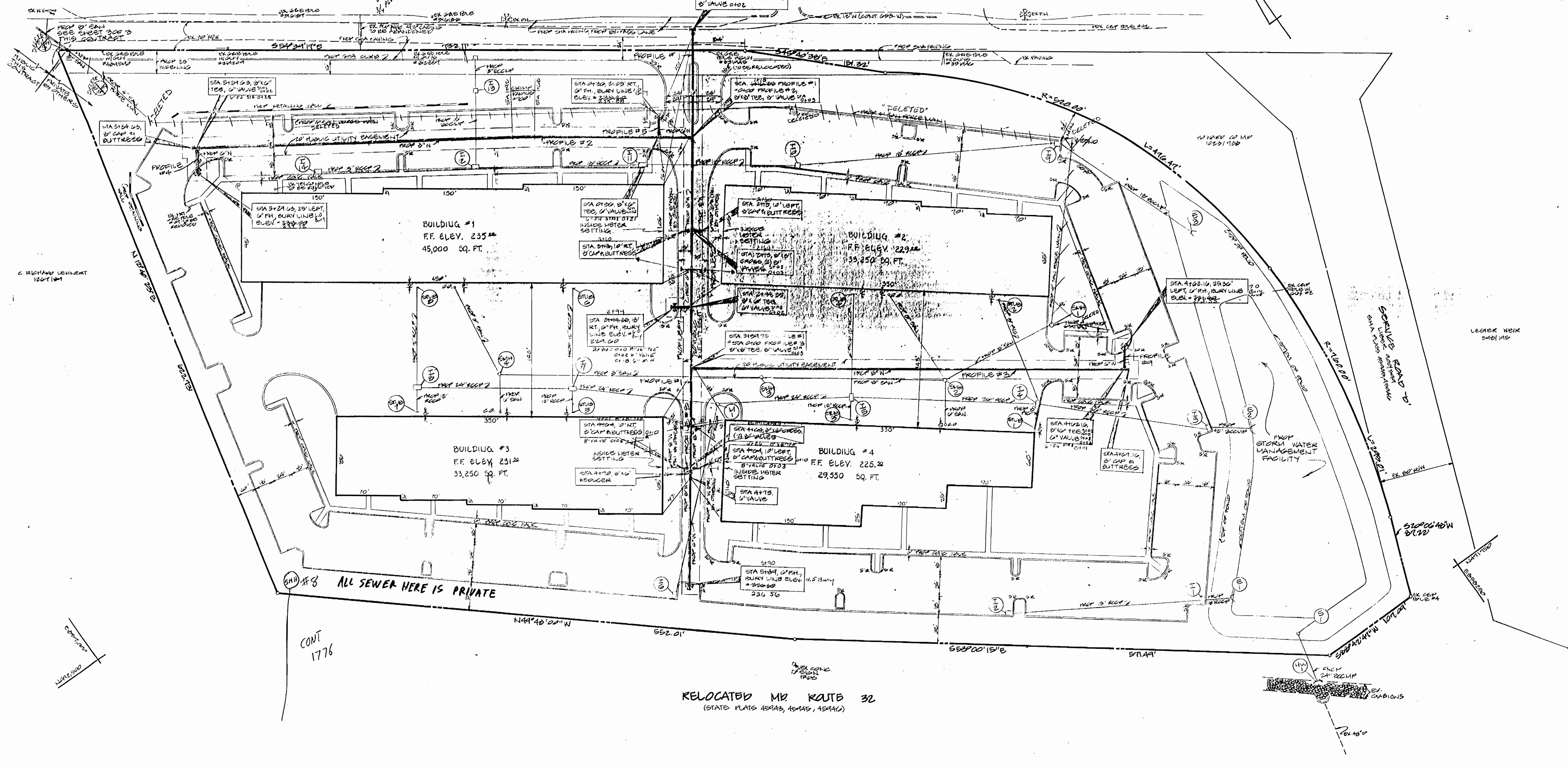


DESIGNED: CAH	BY NO.	REVISION	DATE
DRAWN: CAH			
CHECKED: TG, PRO			

TITLE SHEET
 GENERAL NOTES FOR
 WATER AND SEWER
 CONTRACT NO. 2A-1566-D
 600 SCALE MAP NO. 48 BLOCK NO. 13

PROPOSED OFFICE / WAREHOUSE
 PROPERTY OF THE AGENCY GROUP
 ANNAPOLIS JUNCTION ROAD
 HOWARD CO., MARYLAND ELECTION DISTRICT 6
 JUNE 21, 1986
 SCALE AS SHOWN
 SHEET NO. 1 OF 4

ANNAPOLIS JUNCTION ROAD
(OLD MD ROUTE 32) (EX 20' R/W)



PLAN
SCALE: 1"=80'

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE: 11-28-86

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT DATE: 11-28-86

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 211 OF THE STANDARD SPECIFICATIONS AND SDP 85-207.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: [Signature] DATE: 11-12-86
Chief, Bureau of Utilities

Chief, Bureau of Engineering: [Signature] DATE: 11-27-86
Chief, Land Development Division

ENGINEER
GEORGE WM. STEPHENS JR. AND ASSOCIATES, INC.
303 ALLEGHENY AVENUE TOWSON, MD. 21204
(301)825-8120

PN. 05076

DESIGNED: CAH	BY NO.	REVISION	DATE
DRAWN: CAH	CAH	CORRECT BURY LINE ELEV. STA 3124.10 TO 3124.10	11-27-86
CHECKED: PRC			

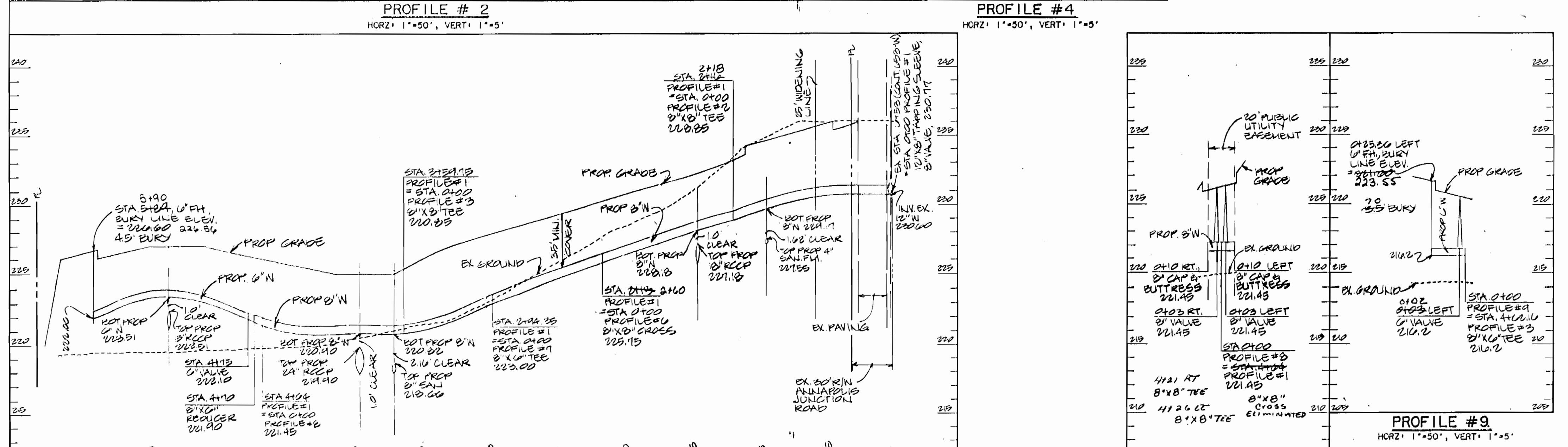
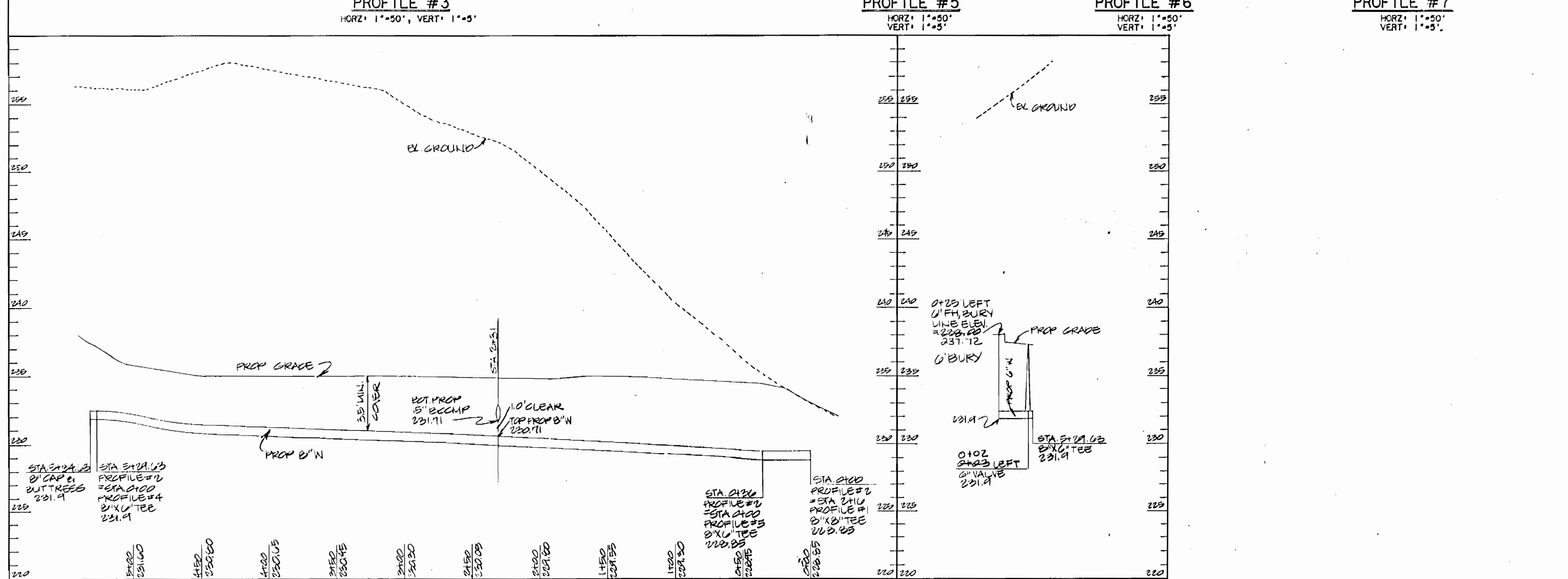
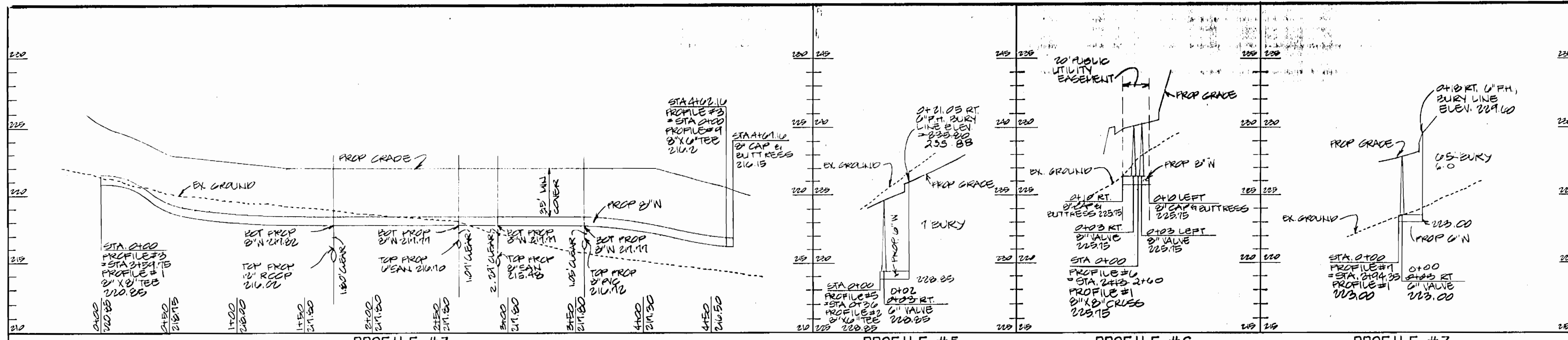
PLAN FOR PROPOSED WATER MAIN

CONTRACT NO. 24-1500-D
600' SCALE MAP NO. 48 B' C&K NO. 13

PROPOSED OFFICE / WAREHOUSE
PROPERTY OF THE AGENCY GROUP
ANNAPOLIS JUNCTION ROAD

HOWARD CO., MARYLAND ELECTION DISTRICT 8
JUNE 27, 1986

SCALE: AS SHOWN
SHEET NO. 2 OF 4



THE DEVELOPMENT PLAN IS APPROVED FOR SOIL AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 214 OF THE STANDARD SPECIFICATIONS AND SDP 85-207.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: *[Signature]* DATE: 11-17-86

Chief, Bureau of Engineering: *[Signature]* DATE: 11-18-86

Chief, Bureau of Utilities: *[Signature]* DATE: 11-12-86

Chief, Land Development Division: *[Signature]* DATE: 11-17-86

ENGINEER
GEORGE WM. STEPHENS JR. AND ASSOCIATES, INC.
 303 ALLEGHENY AVENUE TOWSON, MD. 21204
 (301) 825-9120

DESIGNED: CAH	BY: CAH	NO.:	REVISION:	DATE:
DRAWN: CAH/DAL	CAH	CHANGE STA 3414, PROFILE #1 TO STA. 3424		1-14-87
CHECKED: PRC				
PN. 05076				

PROFILE FOR PROPOSED WATER MAIN

GENERAL NOTES FOR WATER AND SEWER

CONTRACT NO. 24-1560-D

600 SCALE MAP NO. 48 BLOCK NO. 13

PROPOSED OFFICE / WAREHOUSE

PROPERTY OF THE AGENCY GROUP

ANNAPOLIS JUNCTION ROAD

HOWARD CO., MARYLAND ELECTION DISTRICT 6

JUNE 27, 1986

SCALE: AS SHOWN

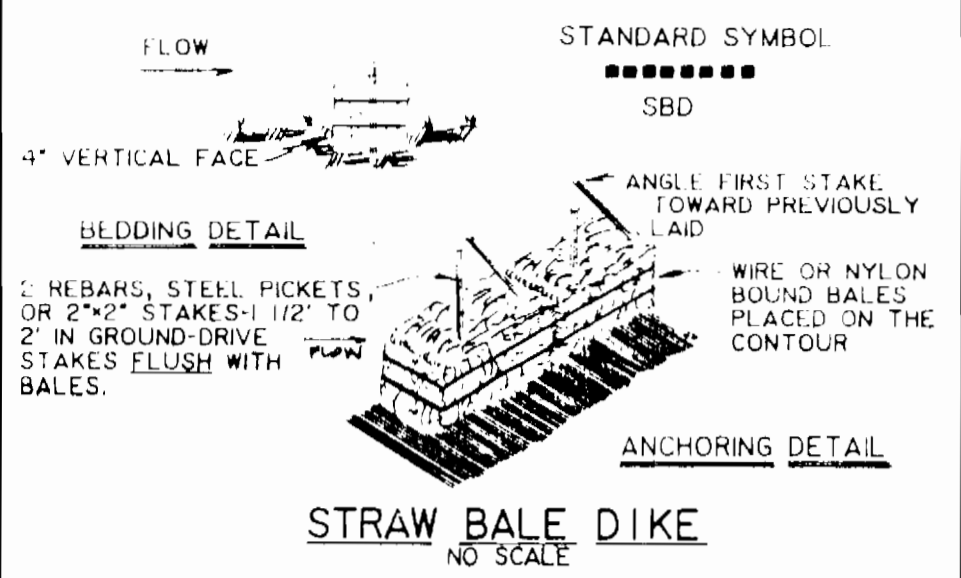
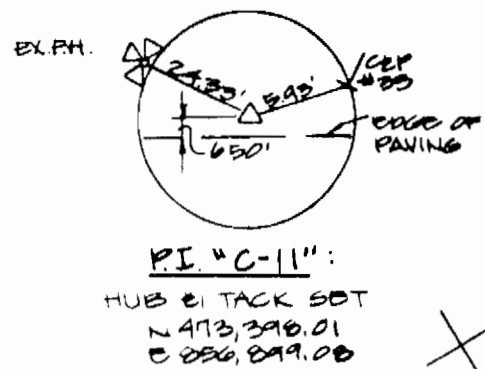
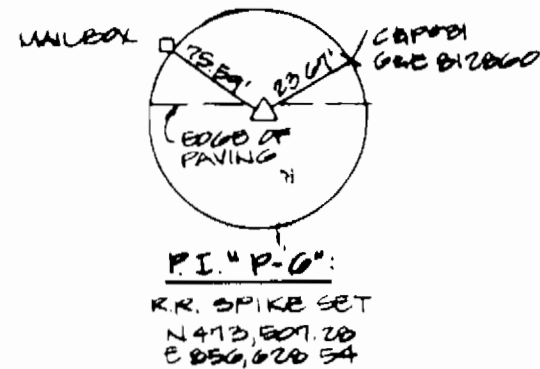
SHEET NO. 3 OF 4

2-25-88

BENCH MARK

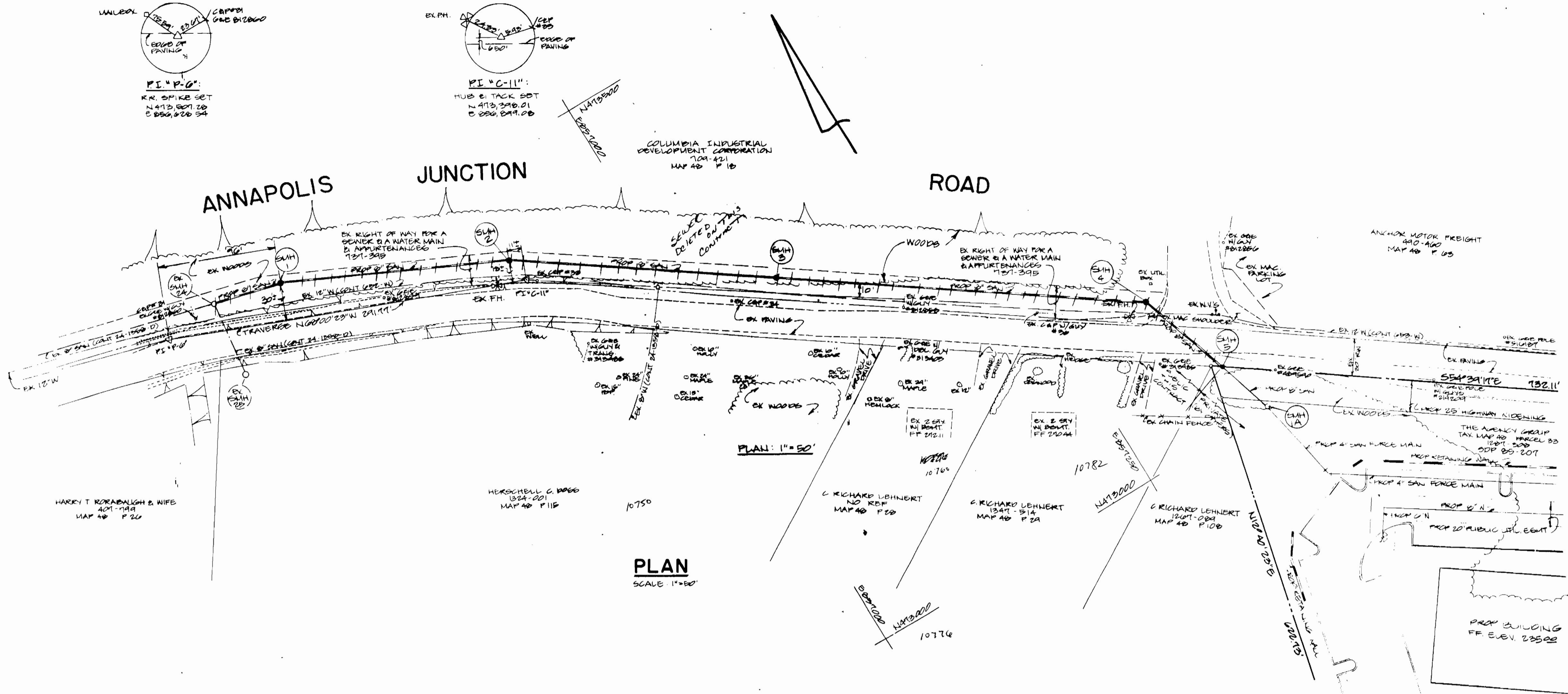
BM #1 ELEV. 268.50
EAST SIDE BONNETT BOLT 25'
WEST OF P. 1. 'C-11'

BM #2 ELEV. 237.77
EAST SIDE BONNETT BOLT,
230' WEST OF P. 1. 'C-6'

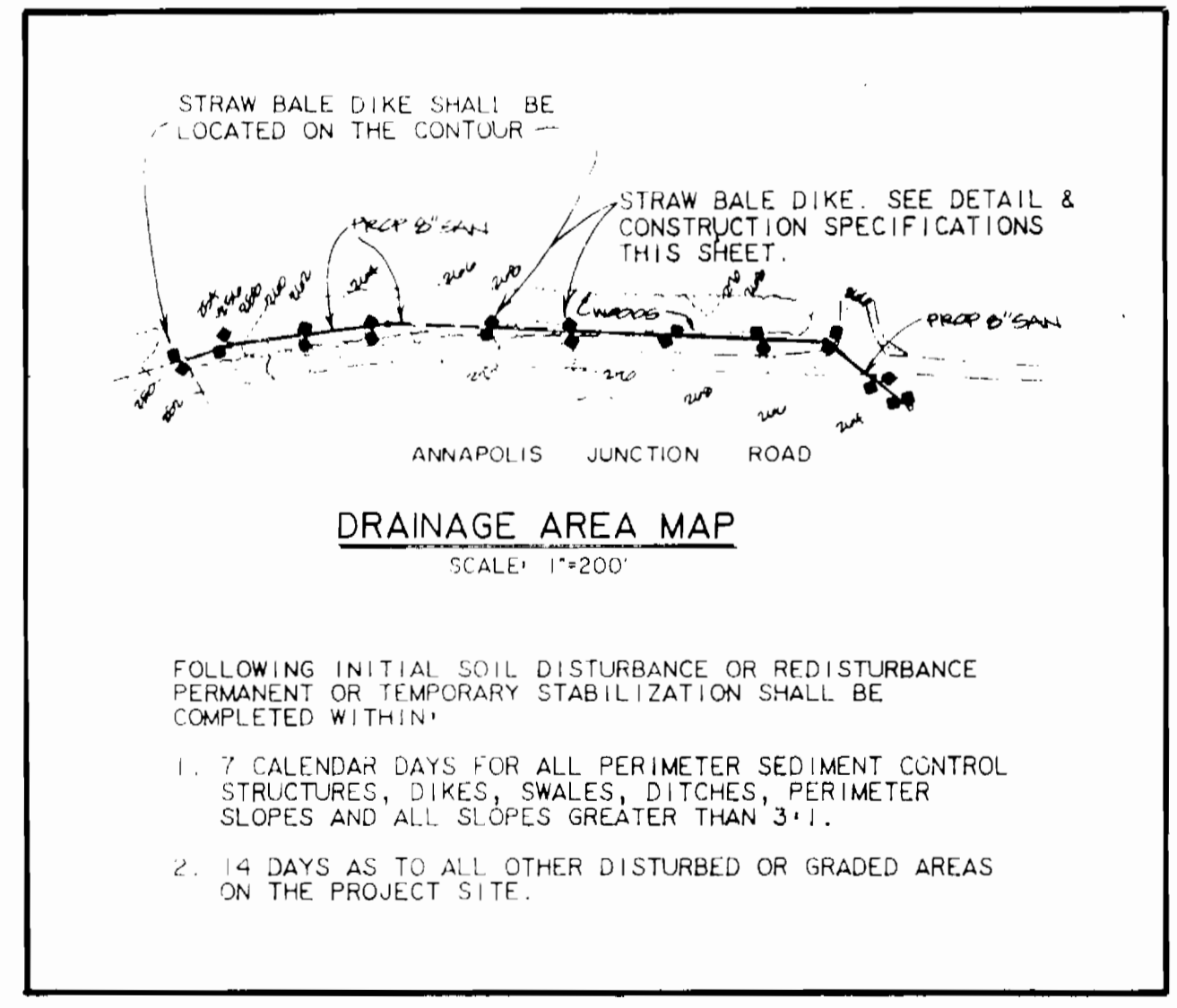
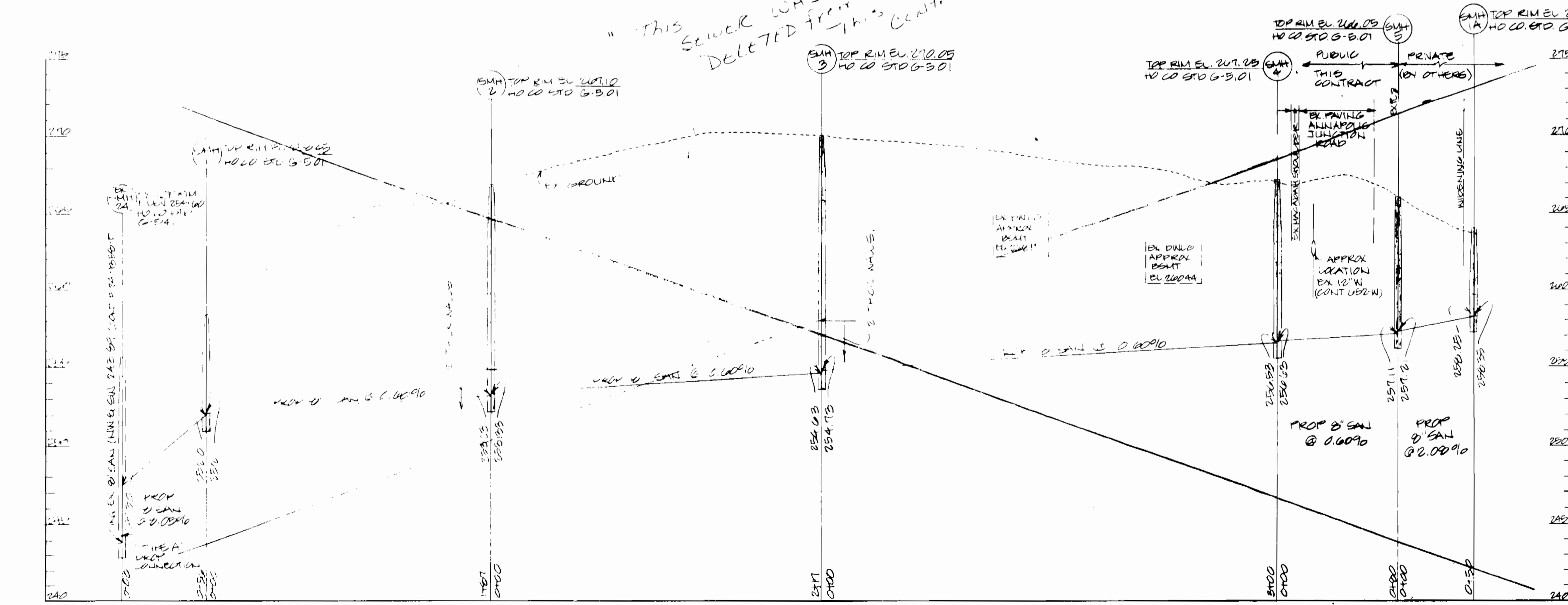


CONSTRUCTION SPECIFICATIONS

- BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 14" INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW IN URA WAGE.



" THIS SEWER WAS DELETED FROM THIS CONTRACT "



- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
- 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
 - 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

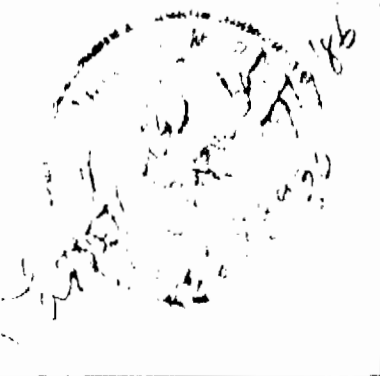
SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 204.24 OF THE STANDARD SPECIFICATIONS

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
U.S. SOIL CONSERVATION SERVICE DATE

THE DEVELOPMENT PLAN IS APPROVED FOR SOIL AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
HOWARD SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DIRECTOR OF PUBLIC WORKS DATE
CHIEF, BUREAU OF UTILITIES DATE
CHIEF, BUREAU OF ENGINEERING DATE
CHIEF, LAND DEVELOPMENT DIVISION DATE

ENGINEER
GEORGE WM. STEPHENS JR. AND ASSOCIATES, INC.
303 ALLEGHENY AVENUE TOWSON, MD 21204
(301) 825-8120
PN 05076



DESIGNED	BY	NO.	REVISION	DATE
PRC	CAH		CORRECT INT. & INT. CUT AT SUM 3.	11-14-01
DRAWN	CAH		MOVE SUM 5 TO PROPERTY LINE, PLAN & PROFILE	11-14-01
CHECKED	CAH			

PLAN AND PROFILE SEWER MAIN
CONTRACT NO. 24-1996-D
600' SCALE MAP NO. 48 BLOCK NO. 13

PROPOSED OFFICE/ WAREHOUSE
PROPERTY OF THE AGENCY GROUP
ANNAPOLIS JUNCTION ROAD
HOWARD CO, MARYLAND ELECTION DISTRICT 6
JUNE 27, 1996

SCALE: AS SHOWN
SHEET NO. 4 OF 4