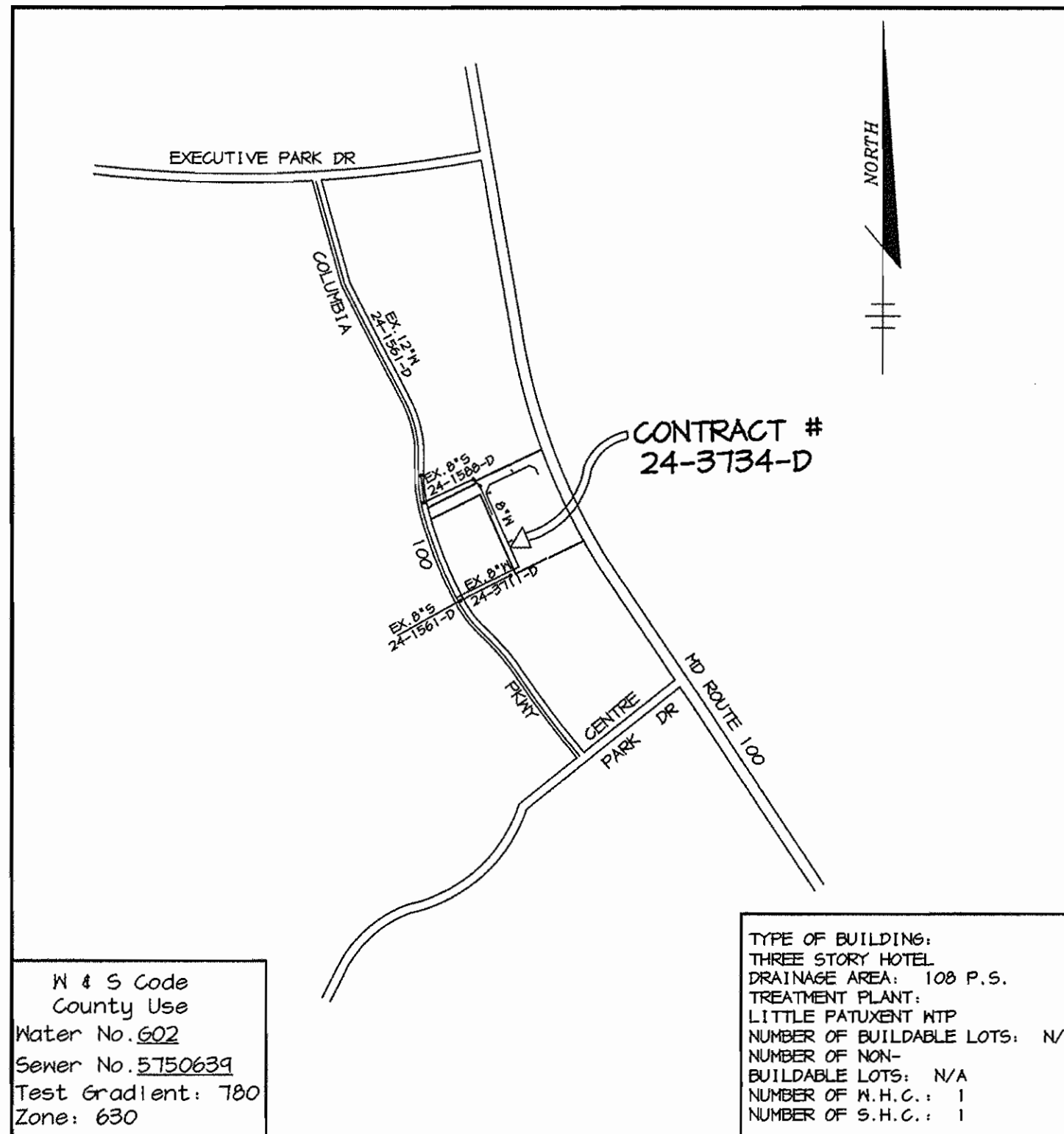


STAYBRIDGE SUITES

CONTRACT NO. 24-3734-D



W & S Code
County Use
Water No. 602
Sewer No. 5750639
Test Gradient: 780
Zone: 630

TYPE OF BUILDING:
THREE STORY HOTEL
DRAINAGE AREA: 108 P.S.
TREATMENT PLANT:
LITTLE PATUXENT MTP
NUMBER OF BUILDABLE LOTS: N/A
NUMBER OF NON-BUILDABLE LOTS: N/A
NUMBER OF N.H.C.: 1
NUMBER OF S.H.C.: 1

VICINITY MAP

SCALE: 1"=600'

BENCHMARKS

HO. CO. SURVEY CONTROL STATION: 30FB
N 570,134 E 1,365,194

HO. CO. SURVEY CONTROL STATION: 30FC
N 572,917 E 1,364,670

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
8" WATER	496 LF			
6" WATER	50 LF			
8" SEWER	40 LF			
6" SHC	21 LF			
FIRE HYDRANTS	3 EA.			
8" VALVES	3 EA.			
DROP MANHOLE - TYPE B	1 EA.			
6" VALVES	3 EA.			

NAME OF UTILITY CONTRACTOR:

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on SDP-99-38

CHECKBOX
AS-BUILT DATE

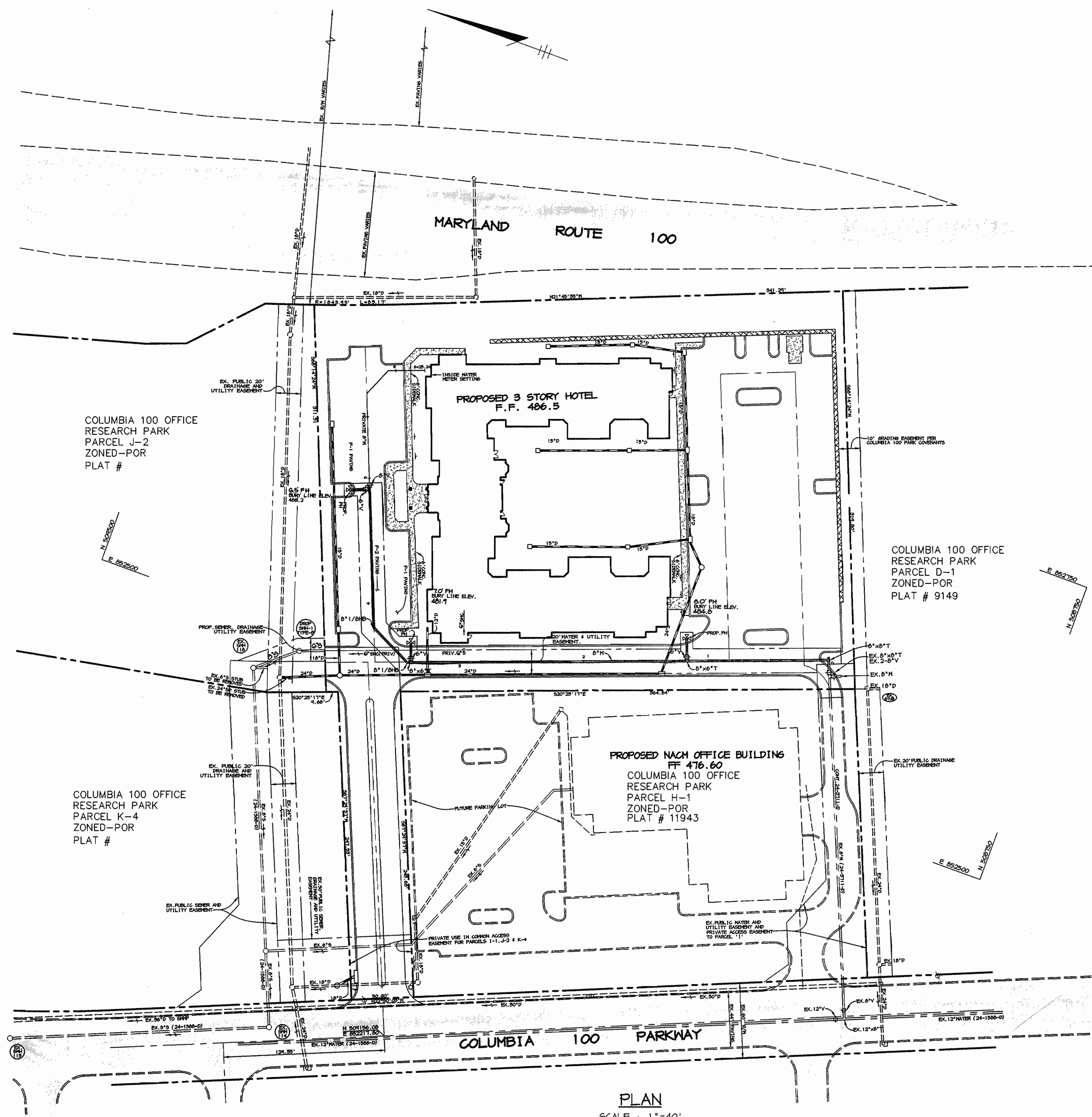
SURVEY AND DRAFTING DIVISION

Review for Howard Soil Conservation District and meets technical requirements.

Cheryl Simms 11/13/99
NATURAL RESOURCES CONSERVATION SERVICE DATE

This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

John R. Deaton 11/13/99
HOWARD SOIL CONSERVATION DISTRICT DATE



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 utility 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 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.
- For details not shown on the drawings, and for materials and construction methods use Howard County Design Manual, Volume IV, Standard Specifications and Detail for Construction. (Latest Edition). The contractor shall have a copy of Volume IV on the job.
- 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 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 operations at his own expense.
- Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:
State Highway Administration 551-5533
Baltimore Gas & Electric Co. Contractor Services 650-4620
Baltimore Gas & Electric Co. Underground Damage Control 787-4068
Miss Utility 1-800-297-7777
Colonial Pipeline Co. 745-1340
Bureau of Utilities, Howard County Department of Public Works 313-4400
- 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.
- Contractor shall remove trees, stumps and roots along line of excavation. Payment for such removal shall be included in the unit price bid for construction of the main.
- All water mains to be D.I.P. Class 52 unless otherwise noted.
- Tops of all water mains to have a minimum of 3'-1/2' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
- Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be restrained and buttressed with concrete in accordance with Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.
- The contractor shall not operate any water main valves on the existing water system.
- All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.
- All sewer mains shall be D.I.P. and P.V.C. unless otherwise noted.
- All manholes shall be 4'-0" inside diameter unless otherwise noted.
- Force mains shall be D.I.P. only.
- Manholes shown with 12" and 16" walls are for brick manholes only.
- Manholes designated M.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.
- House(s) with the symbol "C.N.S." indicates that cellar cannot be served.
- Manholes can be either brick or precast concrete structures.
- Contractor is solely responsible for construction means, methods, techniques, sequences, procedures, and safety precautions and programs.
- The fire hydrant shall be installed as per standard detail H.1.11.
- Fire hydrants will be located 3' FROM BACK OF CURB unless otherwise noted.
- For sprinkler systems, all townhomes or multi-family dwelling units should have a minimum of 1" connection with a 3/4" meter.
- The contractor shall notify the Bureau of Highways, Howard County, at (410) 313-7450 at least five (5) working days before any open cut of any county road or boring/jacking operation in County roads for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPN requirements per Section 18.114(a) of the Howard County Code.
- Howard County DPN is hereby granted permission to access private lots shown on these plans in order to maintain public water and sewer house connections at the curb stops and/or cleanouts.

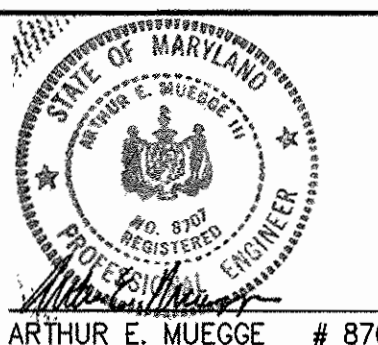
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert M. Deaton 11-12-98
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

Arthur E. Muegge 11/16/98
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282
98210 WSL.DWG



DES: CJR					
DRN: KEV					
CHK:					
DATE: 11/11/98					
BY NO.	REVISION	DATE			

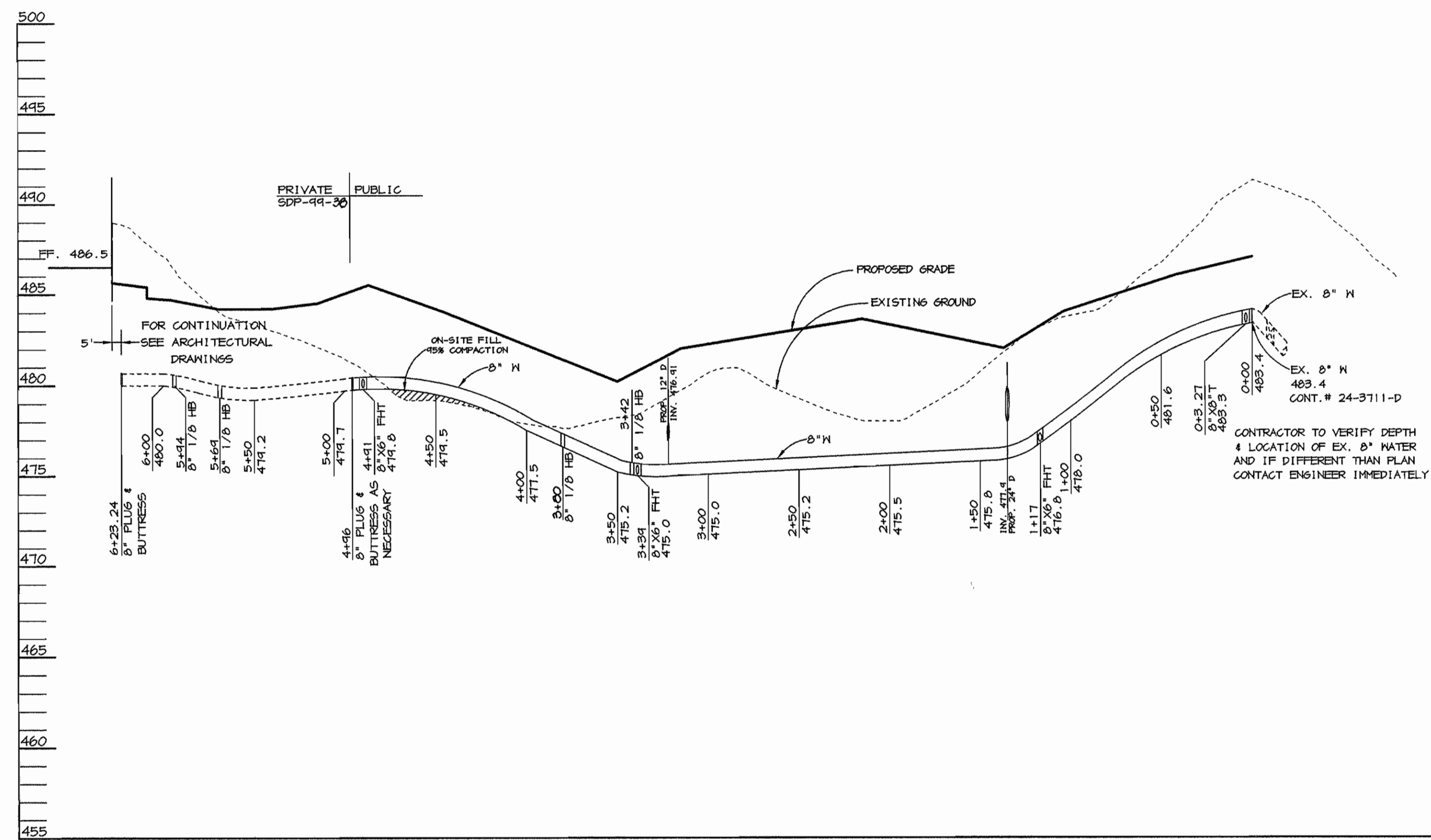
PLAN OF WATER MAIN

600' SCALE MAP NO. 30 BLOCK NO. 18

STAYBRIDGE SUITES
COLUMBIA 100 OFFICE RESEARCH PARK
SECTION 1 AREA 2
PARCEL 1-1
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT 24-3734-D

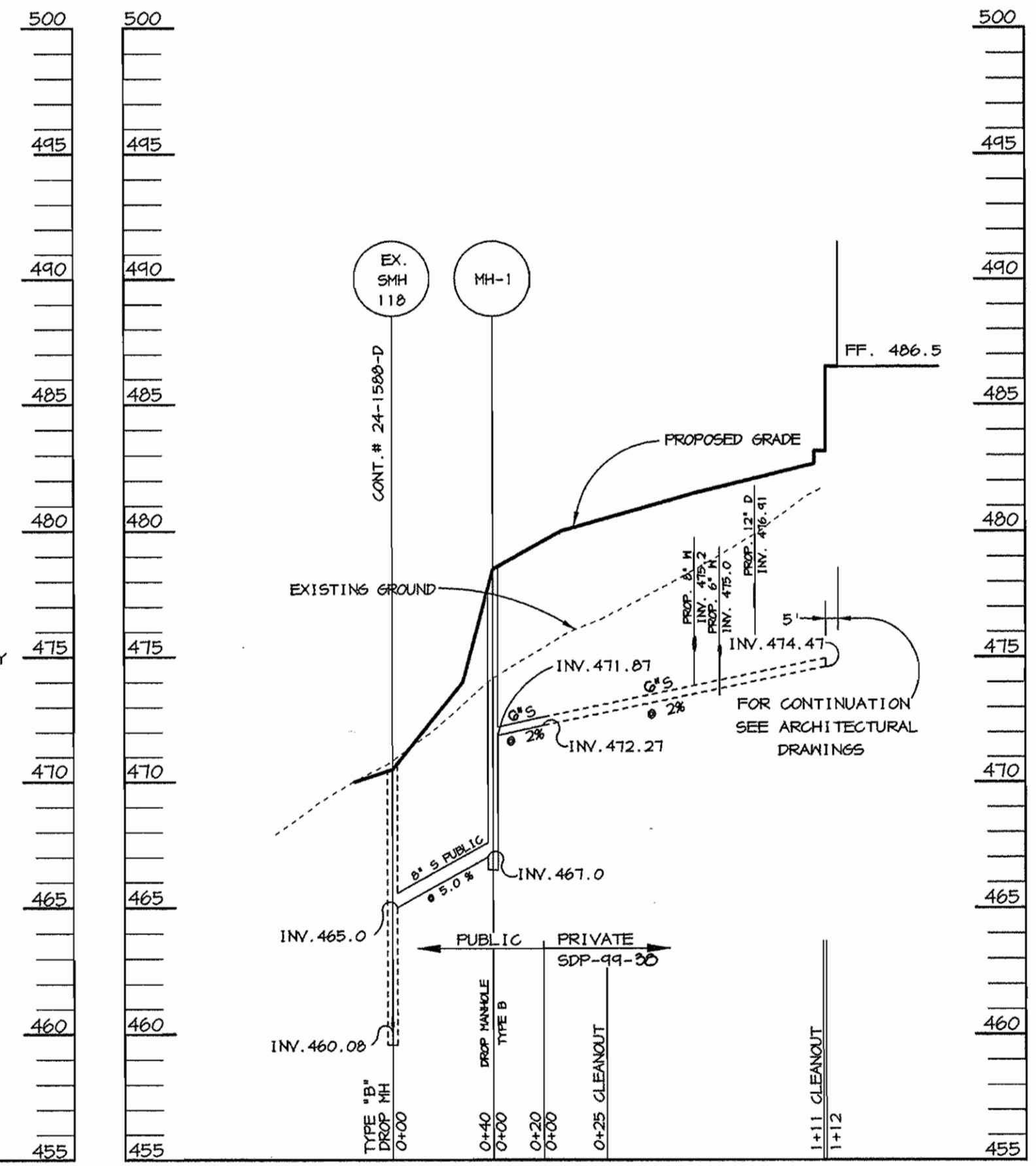
SCALE AS SHOWN

SHEET 1 OF 2



WATER PROFILE

SCALE:
 HOR. 1"=50'
 VERT. 1"=5'



SEWER PROFILE

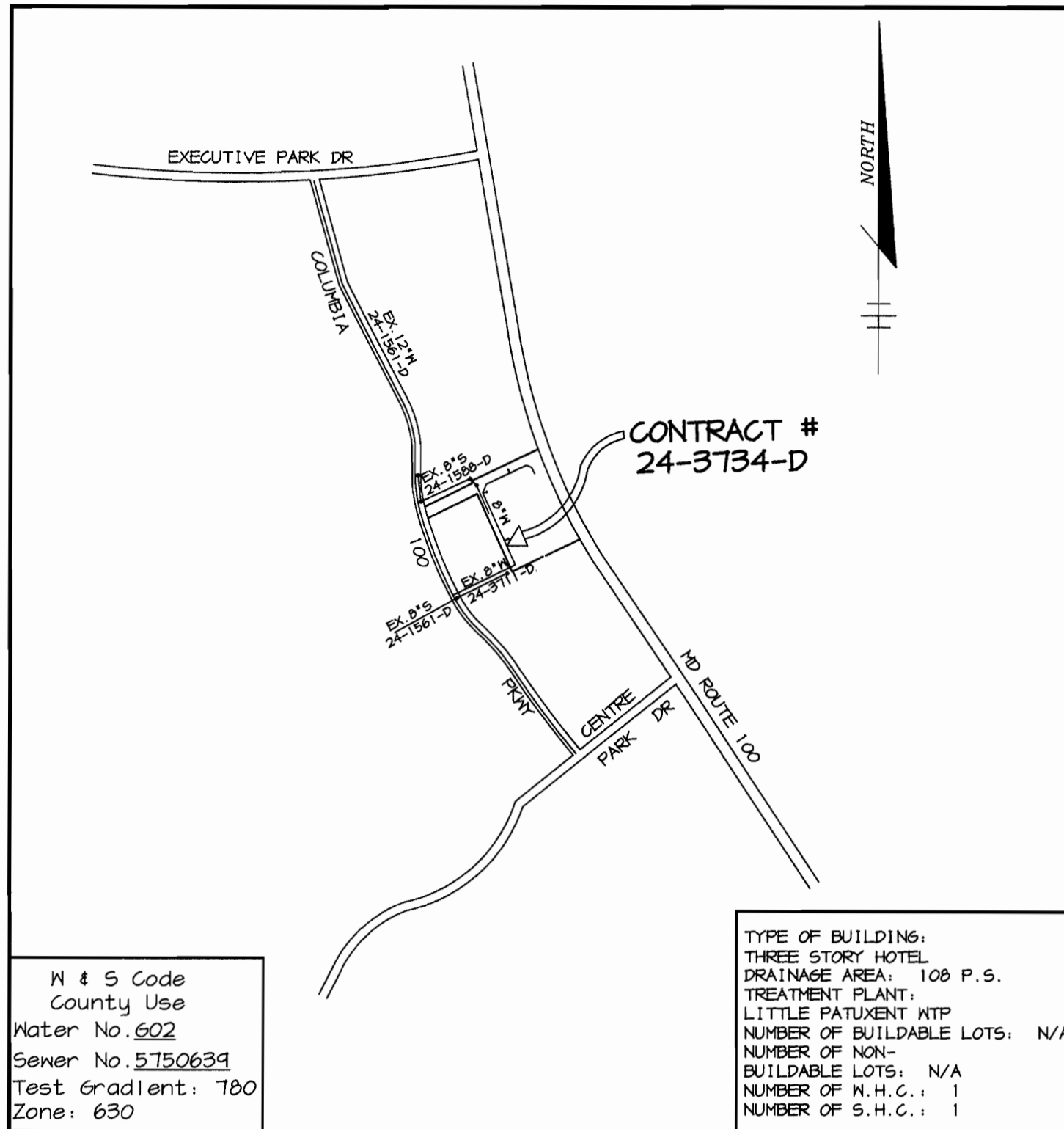
SCALE:
 HOR. 1"=50'
 VERT. 1"=5'

K:\PROJECT\98210\WS2 Mod Revy 11 13 56:27 1998 RIEMER MUEGGE & ASSOCIATES, INC.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Robert Bauman</i> CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND <i>Michael P. ...</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	RIEMER MUEGGE & ASSOCIATES, INC. ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING 8818 Centre Park Drive, Columbia, Maryland 21045 tel 410.997.8900 fax 410.997.9282 98210 WS2.DWG		DES: CJR DRN: KEV CHK: CJR DATE: 11/11/98	BY NO. REVISION DATE	PROFILE OF WATER & SEWER MAIN 600' SCALE MAP NO. 30 BLOCK NO. 18	STAYBRIDGE SUITES COLUMBIA 100 OFFICE RESEARCH PARK SECTION 1 AREA 2 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT 24-3734-D	SCALE AS SHOWN SHEET 2 OF 2
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STAYBRIDGE SUITES

CONTRACT NO. 24-3734-D



W & S Code
County Use
Water No. 602
Sewer No. 5750639
Test Gradient: 780
Zone: 630

TYPE OF BUILDING:
THREE STORY HOTEL
DRAINAGE AREA: 100 P.S.
TREATMENT PLANT:
LITTLE PATUXENT RTP
NUMBER OF BUILDABLE LOTS: N/A
NUMBER OF NON-BUILDABLE LOTS: N/A
NUMBER OF M.H.C.: 1
NUMBER OF S.H.C.: 1

VICINITY MAP

SCALE: 1"=600'

BENCHMARKS

HO. CO. SURVEY CONTROL
STATION: 30FB
N 570,134 E 1,365,194

HO. CO. SURVEY CONTROL
STATION: 30FC
N 572,917 E 1,364,670

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
8" WATER	496 LF	496 L.F.	D.I.P.	U.S. PIPE
6" WATER	50 LF	35 L.F.	D.I.P.	U.S. PIPE
8" SEWER	40 LF	36 L.F.	P.V.C.	J.M.
6" SHC	21 LF	26 L.F.	P.V.C.	J.M.
FIRE HYDRANTS	3 EA.	3 EA.	CENTURIOR	MUELLER
8" VALVES	3 EA.	3 EA.	R.S.	MUELLER
DROP MANHOLE - TYPE B	1 EA.	1 EA.	PRECAST	ATLANTIS
6" VALVES	3 EA.	3 EA.	R.S.	MUELLER

NAME OF UTILITY CONTRACTOR: CREST

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on SDP-99-38

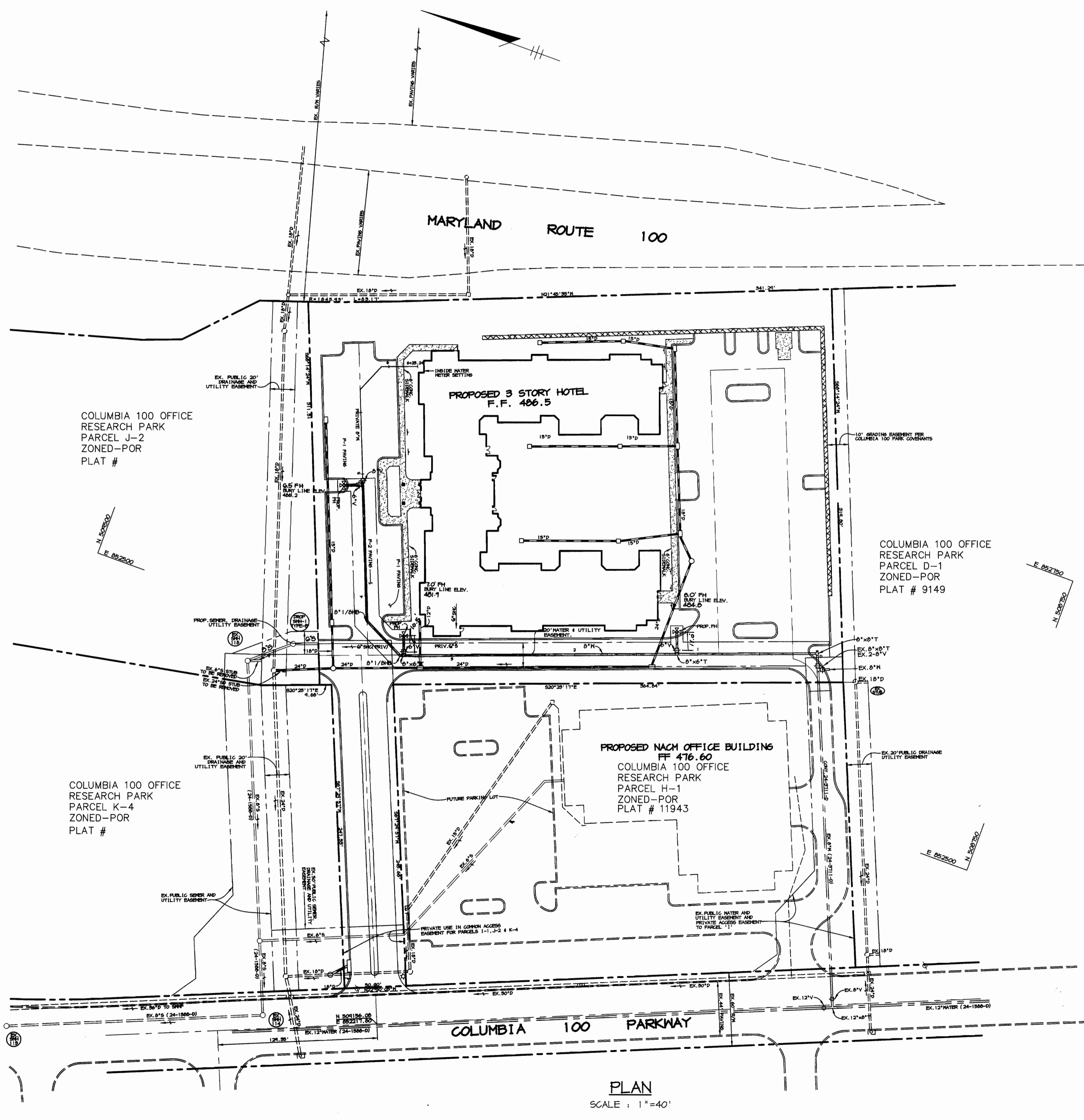
CHECKBOX
AS-BUILT DATE
SURVEY AND DRAFTING DIVISION

Review for Howard Soil Conservation District and meets technical requirements.

Cheryl Simmons 11/13/99
NATURAL RESOURCES CONSERVATION SERVICE DATE

This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

John R. Deaton 11/13/99
HOWARD SOIL CONSERVATION DISTRICT DATE



GENERAL NOTES

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Baltimore Gas & Electric Co. Underground Damage Control 781-4068
Miss Utility 1-800-251-7111
Colonial Pipeline Co. 783-1340
Bureau of Utilities, Howard County Department of Public Works 313-4900
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DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert M. Reimer 11-12-98
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

John R. Deaton 11/16/98
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

RIEMER MUEGGE & ASSOCIATES, INC.
ENGINEERING • ENVIRONMENTAL SERVICES • PLANNING • SURVEYING
8818 Centre Park Drive, Columbia, Maryland 21045
tel 410.997.8900 fax 410.997.9282
98210 WSI.DWG

ARTHUR E. MUEGGE # 8707

DES: CJR
DRN: KEV
CHK:
DATE: 11/11/98

K.C.I. 1 AS-BUILT CONDITIONS ADDED TO PLAN 7/20
BY NO. REVISION DATE

PLAN OF WATER MAIN

600' SCALE MAP NO. 30 BLOCK NO. 18

STAYBRIDGE SUITES
COLUMBIA 100 OFFICE RESEARCH PARK
SECTION 1 AREA 2
PARCEL I-1
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT 24-3734-D

SCALE AS SHOWN
SHEET 1 OF 2