GENERAL CONSTRUCTION NOTES

- of Howard County plus MSHA Standards and Specifications.
- 2. The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) working
- 3. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work being done
- 4. Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). All street and regulatory sign shall be in place prior to the placement of any asphalt.
- 5. All plan dimensions are to face of curb unless otherwise noted
- 6. The existing topography shown hereon is based on 2' contour interval aerial survey prepared by Photo Science, dated Feb. 12, 1994 and supplemental field run topography by KCW Engineering Technologies, Inc. in Jan. 2000.
- 7. Horizontal and Vertical datum shown hereon is based on the following NAD'83 Howard Monument Sta. 1012 N 601060.177, E 1345336.758, EL. 445.58
- Monument Sta. 16E1 N 593250.932, E 1340192.710, EL. 509.92 8. Water is public. Howard County Contract 24-3600-D.
- 9. Sewer is public. Howard County Contract 20-3692-D
- 10. Existing utilities shown on these plans are base upon observable field information, previous construction drawings for the site, the best available information from the or guarantee the completeness or the correctness of this existing utility information. The Contractor shall verify all such information to his own satisfaction. utility companies and Howard County. The Owner, Developer and Engineer do not warrant
- 11. All pipe elevations shown are invert elevations
- 12. Contractor shall take all necessary precautions to support and protect all existing utilities when working adjacent to or crossing existing utilities. Any damage to existing facilities shall be repaired or replaced at Contractor's expense.
- 13. "Full Trench Compaction" shall be used for all utility construction
- 14. Contractor shall adhere to all Federal, State and County health, safety, and environmental
- 15. All excess excavation and other unsuitable material shall be removed from this site to an area with an approved Sediment Control plan and permit
- 16. No clearing, grading or construction is permitted within the required wetlands, stream or their buffers and forest conservation easement areas.
- 17. Trees and shrubs are to be protected from damage to maximum extent.
- 18. 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. 19. Sediment Control shall be accomplished with the sediment control measures specified
- on the Sediment Control Plan and Detail Sheet, C-112 and C-113 respectively.
- 20. Final grading shall be accomplished in accordance with the grades specified on Grading Plan C-103. (SDP-00-89)
- 21. Water Service: Prop. 8" water service from Warwick Way to fire hydrant tee shall be constructed in accordance with Developer's Agreement #24-3850-D and approved plans. 6" detector check meter for fire service and 1-1/2" domestic meter shall be placed inside each building.
- 22. 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 the Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.
- 23. The contractor shall not operated any water main valves on the existing water
- 24. Sanitary Service: Prop. 6" sanitary connection from existing sanitary main to limits of Ex. 20' utility easement shall be constructed in accordance with Developer's Agreement #24-3850-D

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY

5-5-00

SEDIMENT CONTROL DEVICES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORPANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT

SIGNATURE OF DEVELOPER

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND



KCW Engineering Technologies, Inc. 3104 Timanus Lane, Suite 101 Baltimore, MD 21244 (410) 281-0033 Fax (410) 281-1065 www.KCW-ET.com

PATAPSCO W.W.T.P.: CITY OF BALTIMORE,

VIA ROUTE 108 PUMPING STATION

POR



DESIGNED BY K.C.A. DRAWN BY: K.C.A. CHECKED BY D.L.K.

HARKINS OFFICE BUILDINGS

"GTW's WAVERLY WOODS" SECTION 7, PARCEL 'C'

#2201 Warwick Way

CONTRACT NO. 24-3850-D (SDP-00-89)

HOWARD COUNTY, MARYLAND

HOWARD COUNT

MONUMENT

STA.1012

TITLE SHEET

WATER & SEWER CODE

FOR COUNTY USE ONLY WATER NO.: H05 SEWER NO.: 5992000

P-87-82

SDP-00-89

WATER TEST GRADIENT: 780

PLAN REFERENCE NUMBERS:

"GTW's WAVERLY WOODS" SECTION 7, PARCEL 'C' **WATER & SEWER SERVICE** #2201 WARWICK WAY CONTRACT No. 24-3850-D (SDP-00-89)

DEVELOPER'S CERTIFICATION

SIGNATURE OF DEVELOPER

ENGINEER'S CERTIFICATION

1"=50' HOR. 1"= 5' VER.

HOWARD COUNTY

COMMERCIAL

LITTLE PATUXENT

MONUMENT STA.16E

MAY 1, 2000 BY: No:

R-SA-6

R-A-15

—ALEXANDER HASSAN 24-345

STONE RUN HO-129

PGCC2

VICINITY MAP

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL

REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL

THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH

"I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION

WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF

ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

5-5-00

5-1-00

DATE

ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AGENTS, AS ARE DEEMED NECESSARY."

> SHEET 1 OF 2.

CONTROL IN DEVELOPING AREAS AS SHOWN ON THESE PLANS.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

NUMBER OF PARCELS:

DRAINAGE AREA:

TREATMENT PLANT:

NO. OF WATER SERVICE CONNECTIONS:

NO. OF SEWER SERVICE CONNECTIONS:

DATE: REVISION

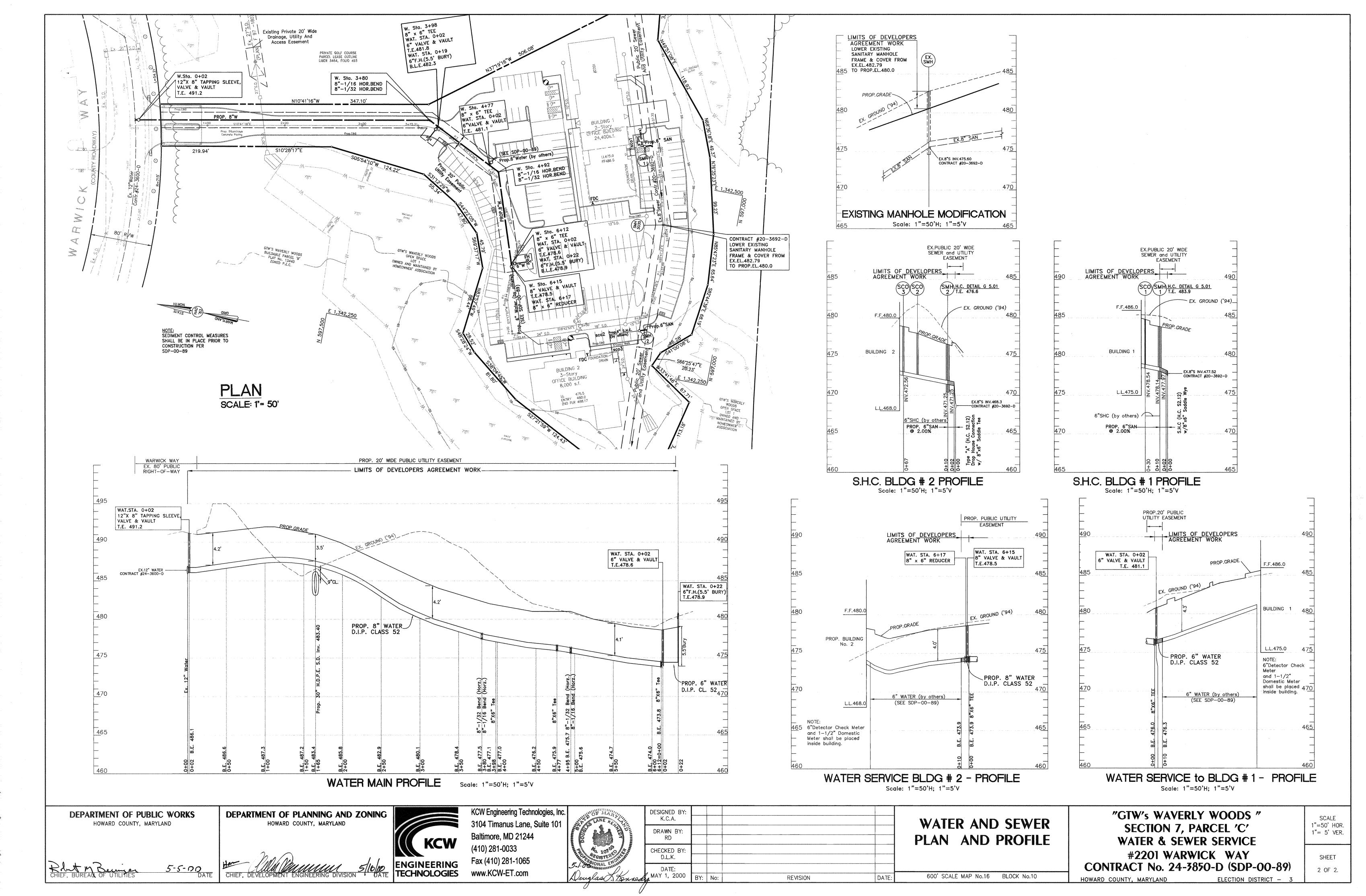
600' SCALE MAP No.16 BLOCK No.10

HOWARD COUNTY, MARYLAND

LIST OF DRAWINGS

TITLE SHEET

PLAN AND PROFILE



N:\991068\Dwq\991068DA.dwq Wed May 03 11:24;33 200

NAME OF UTILITY CONTRACTOR: C.C.S. SURVEY & DRAFTING DIVISION AS-BUILT DATE

GENERAL CONSTRUCTION NOTES

- 1. All construction shall be in accordance with the latest Standards and Specifications of Howard County plus MSHA Standards and Specifications.
- 2. The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) working
- 3. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work being done.
- 4. Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). All street and regulatory sign shall be in place prior to the placement of any asphalt.
- 5. All plan dimensions are to face of curb unless otherwise noted
- 6. The existing topography shown hereon is based on 2' contour interval aerial survey prepared by Photo Science, dated Feb. 12, 1994 and supplemental field run topography by KCW Engineering Technologies, Inc. in Jan. 2000.
- 7. Horizontal and Vertical datum shown hereon is based on the following NAD'83 Howard

Monument Sta. 1012 N 601060.177, E 1345336.758, EL. 445.58 Monument Sta. 16E1 N 593250.932, E 1340192.710, EL. 509.92

- 8. Water is public. Howard County Contract 24-3600-D.
- 9. Sewer is public. Howard County Contract 20-3692-D.
- 10. Existing utilities shown on these plans are base upon observable field information, previous construction drawings for the site, the best available information from the or augrantee the completeness or the correctness of this existing utility information. The Contractor shall verify all such information to his own satisfaction utility companies and Howard County. The Owner, Developer and Engineer do not warrant 11. All pipe elevations shown are invert elevations.
- 12. Contractor shall take all necessary precautions to support and protect all existing utilities when working adjacent to or crossing existing utilities. Any damage to existing facilities shall be repaired or replaced at Contractor's expense
- 13. "Full Trench Compaction" shall be used for all utility construction
- 14. Contractor shall adhere to all Federal, State and County health, safety, and environmental
- 15. All excess excavation and other unsuitable material shall be removed from this site to an area with an approved Sediment Control plan and permit.
- 16. No clearing, grading or construction is permitted within the required
- wetlands, stream or their buffers and forest conservation easement areas.
- 17. Trees and shrubs are to be protected from damage to maximum extent. 18. 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.
- 19. Sediment Control shall be accomplished with the sediment control measures specified on the Sediment Control Plan and Detail Sheet, C-112 and C-113 respectively.
- 20. Final grading shall be accomplished in accordance with the grades specified on Grading Plan C-103. (SDP-00-89)
- 21. Water Service: Prop. 8" water service from Warwick Way to fire hydrant tee shall be constructed in accordance with Developer's Agreement #24-3850-D and approved plans. 6" detector check meter for fire service and 1-1/2" domestic meter shall be placed inside each building.

22. 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 the Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.

- 23. The contractor shall not operated any water main valves on the existing water
- 24. Sanitary Service: Prop. 6" sanitary connection from existing sanitary main to limits of Ex. 20' utility easement shall be constructed in accordance with Developer's Agreement #24-3850-D

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY

SEDIMENT CONTROL DEVICES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AS SHOWN ON THESE PLANS.

SIGNATURE OF DEVELOPER

5-5-00

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND



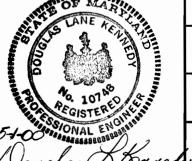
NO. OF WATER SERVICE CONNECTIONS:

NO. OF SEWER SERVICE CONNECTIONS:

KCW Engineering Technologies, Inc. 3104 Timanus Lane, Suite 101

PATAPSCO W.W.T.P.: CITY OF BALTIMORE, VIA ROUTE 108 PUMPING STATION

POR



K.C.A. DRAWN BY: K.C.A. CHECKED BY D.L.K. K.C.I I AS-BUILT CONDITIONS ADDED TO PLAN MAY 1, 2000 BY: No:

SECTION 7, PARCEL 'C'

LIST OF DRAWINGS SHEET 1 TITLE SHEET SHEET 2 PLAN AND PROFILE

DEVELOPER'S CERTIFICATION "I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION

WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AGENTS, AS ARE DEEMED NECESSARY."

5-5-00 DATE

ENGINEER'S CERTIFICATION

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

5-1-00

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DATE

TITLE SHEET

WATER & SEWER CODE

FOR COUNTY USE ONLY WATER NO.: HO5 SEWER NO.: 5992000

WATER TEST GRADIENT: 780

PLAN REFERENCE NUMBERS:

F-97-180 P-87-82 SDP-00-89

R-20

WATER & SEWER SERVICE #2201 WARWICK WAY CONTRACT No. 24-3850-D (SDP-00-89)

"GTW's WAVERLY WOODS"

SHEET 1 OF 2.

1"=50' HOR.

1"= 5' VER.

TYPE OF BUILDING: NUMBER OF PARCELS:

DRAINAGE AREA:

TREATMENT PLANT:

99

Baltimore, MD 21244 (410) 281-0033 Fax (410) 281-1065 www.KCW-ET.com

HOWARD COUNTY

COMMERCIAL

LITTLE PATUXENT

MONUMENT STA.16E

HARKINS OFFICE BUILDINGS

"GTW's WAVERLY WOODS" SECTION 7, PARCEL 'C'

#2201 Warwick Way

CONTRACT NO. 24-3850-D (SDP-00-89)

HOWARD COUNTY, MARYLAND

HOWARD COUNT

MONUMENT

STA.1012

R-SA-6

ALEXANDER HASSAN 24-3456

STONE RUN HO-129

PGCC2

VICINITY MAP

SCALE 1'-600'

DESIGNED BY:

P-21

R-A-15

600' SCALE MAP No.16 BLOCK No.10

HOWARD COUNTY, MARYLAND

