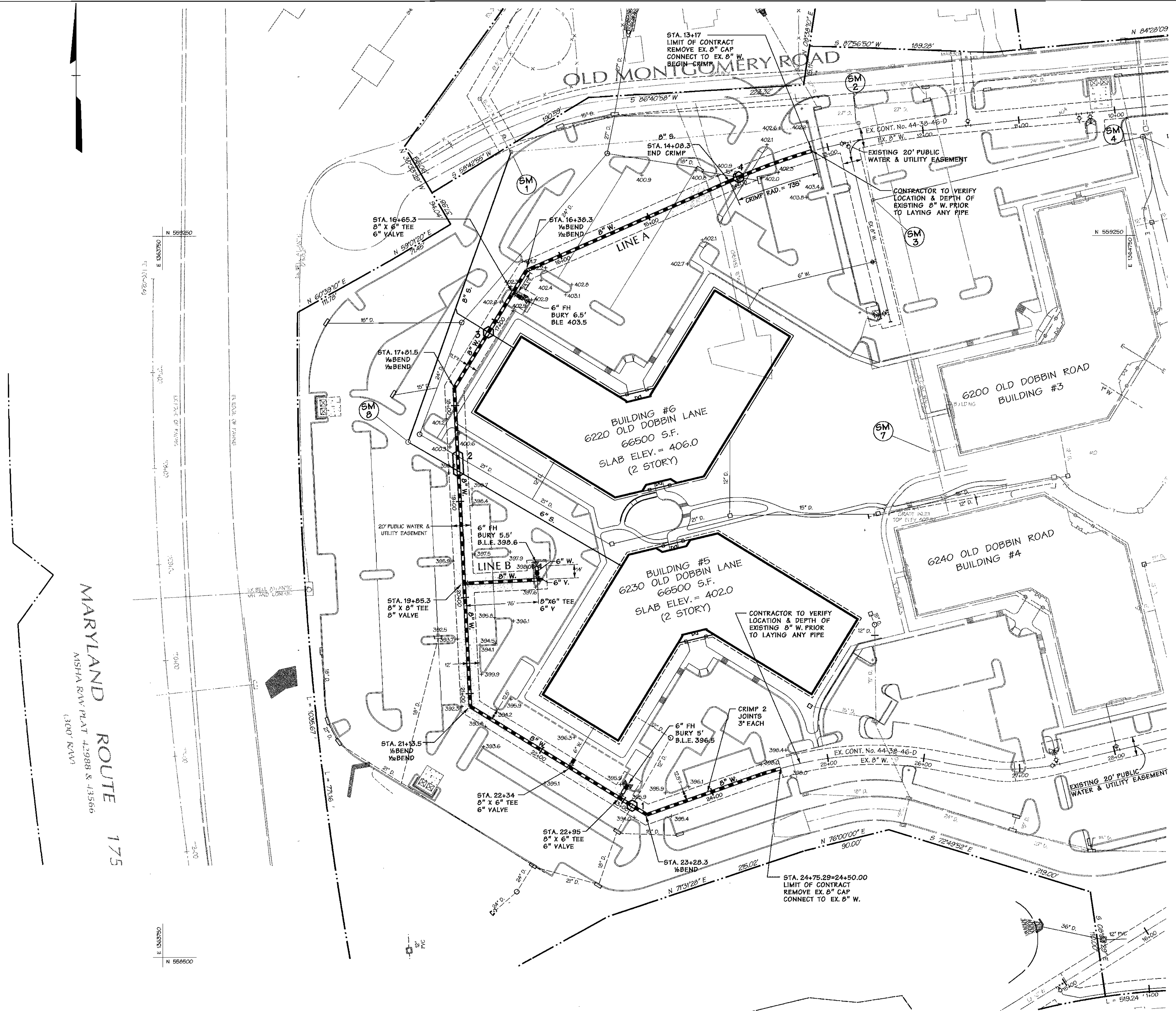


OLD MONTGOMERY ROAD

LEGEND

- STANDARD CURB & GUTTER
- PROPOSED STORM DRAIN
- PROPOSED SEWER
- PROPOSED WATER
- SIDEWALK / HANDICAP RAMP



MARYLAND ROUTE 175
 MISHA RAW PLAT 42988 & 43566
 (300' R/W)

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

R. L. ... 4-23-04
 CHIEF - BUREAU OF UTILITIES - DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND

... 5/10/04
 CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE

DMW
 Daft-McCune-Walker, Inc.
 A Team of Land Planners,
 Landscape Architects,
 Golf Course Architects,
 Engineers, Surveyors &
 Environmental Professionals
 200 East Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 296-3333
 Fax: 296-4706



| | | | |
|-------------|---------|----------|------|
| DESIGN BY: | PLH | | |
| DRAWN BY: | WDE | | |
| CHECKED BY: | | | |
| DATE: | 4-21-04 | | |
| BY NO. | | REVISION | DATE |

WATER MAIN PLAN
 600 SCALE MAP NO. 36 BLOCK NO. 1218

COLUMBIA
 ROUTE 175 COMMERCIAL
 SECTION 1, AREA 2, PARCEL A & O.S. LOT 3
 6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
 OWNER/PURCHASER: LIBERTY PROPERTY LTD. PTNP.
 9145 GUILFORD ROAD
 SUITE 100, COLUMBIA, MD. 21046
 CONTRACT NO. 44-4199.D

SCALE:
 1"=50'
 SHEET
 2 of 3

Wed Apr 21 15:07:35 EDT 2004

Wed Apr 21 15:07:35 EDT 2004

| ITEMS | QUANTITIES ESTIMATED | QUANTITIES | | |
|-----------------|----------------------|------------|------|-------------------------|
| | | QUANTITIES | TYPE | MANUFACTURER / SUPPLIER |
| 8" D.I.P. | 247' | | | |
| 6" D.I.P. | 126' | | | |
| 8" X 6" TEE | 5 | | | |
| 6" VALVE | 5 | | | |
| 6" CAP | 2 | | | |
| 6" FIRE HYDRANT | 3 | | | |
| 1/2" BEND | 2 | | | |
| 3/4" BEND | 2 | | | |
| 1/2" BEND | 3 | | | |

AS-BUILT

NAME OF UTILITY CONTRACTOR:
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:

8" WATER MAIN COLUMBIA ROUTE 175 COMMERCIAL

SECTION 1 AREA 2

PARCEL A & O.S. LOT 3

HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

CONTRACT NO. 44-4199.D

GENERAL NOTES

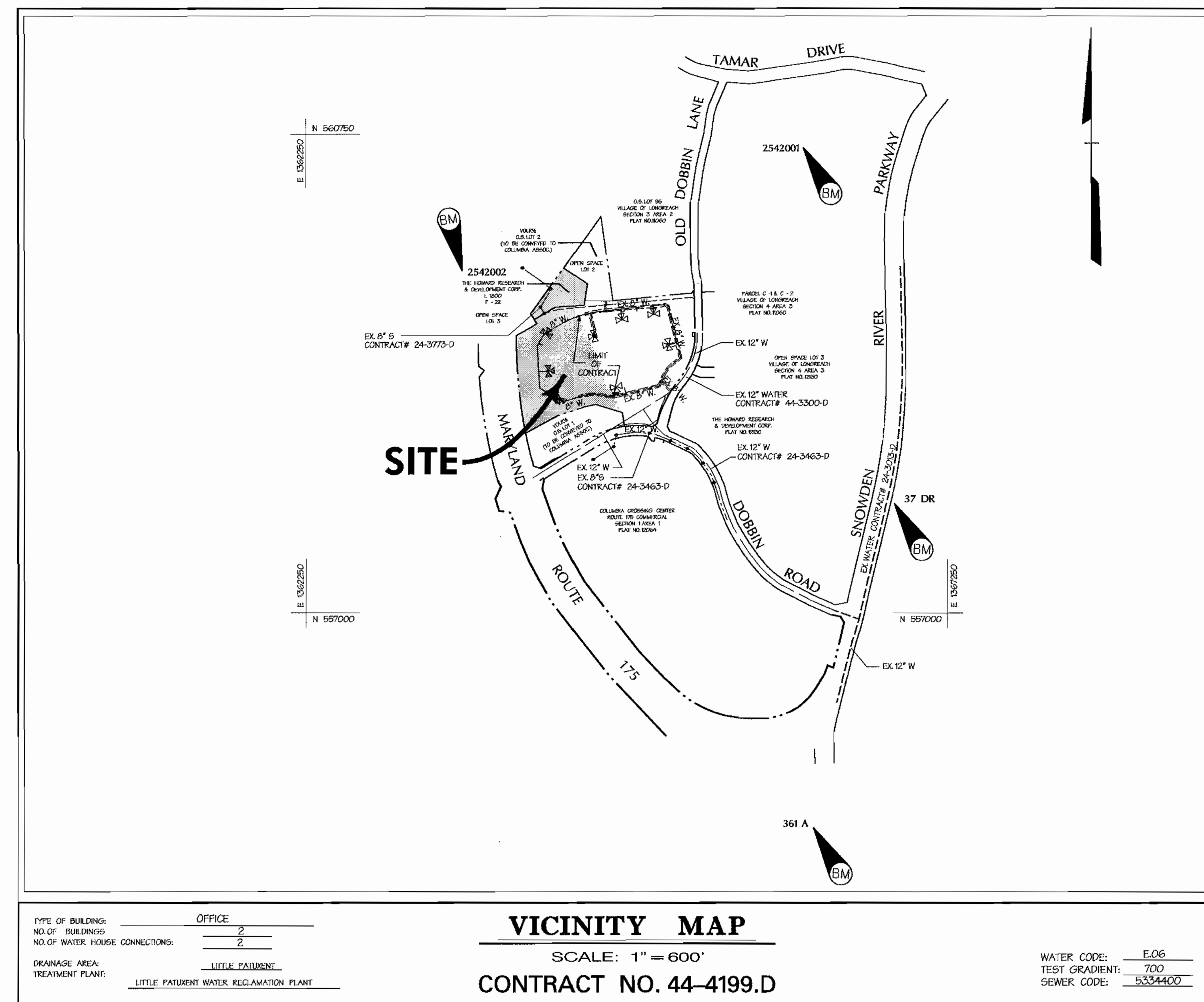
PART I - GENERAL

- Approximate locations of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted service. 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, NAD 83/91.
- All vertical controls are based on NAVD 88.
- All pipe elevations shown are invert elevations unless otherwise noted on the plans.
- Clear all utilities by minimum of 12 inches. Clear all poles by 5'-0" minimum or tunnels as required unless otherwise noted. 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 the bracing of additional poles or damages shall be deducted from monies owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing or the poles.
- For details not shown on the drawing, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Details 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 locations of the test pits. A note or notes containing the 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.
- The contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:
 AT&T.....1-800-252-1133
 BGE (Contractor Services).....410-850-4620
 BGE (Underground Damage Control).....410-787-9068
 Bureau of Utilities.....410-313-4300
 Colonial Pipeline Co.....410-795-1390
 Miss Utility.....1-800-251-7777
 State Highway Administration.....410-531-6533
 Verizon.....1-800-743-0033/410-224-9210
- Trees and shrubs are to be protected from damage to the maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.
- The contractor shall remove trees, stumps and roots along the line of excavations. Payment for such removal shall be included in the unit price bid for construction of the main.
- The contractor shall notify the Bureau of Highways, Howard County, at (410) 313-7450 at least five working days before open cutting or boring/jacking of any County road for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirements per Section 18.114(a) of the Howard County Code.

PART II - WATER

- All water mains shall be D.I.P. Class 52 unless otherwise noted.
- Tops of all water mains shall have a minimum of 3'-6" of 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 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 installed in accordance with Standard Details. The soil around the fire hydrant shall be compacted in accordance with Section 1000 and Section 1005 of the Standard Specifications.
- The contractor shall not operate any water main valves on the existing water system.

| SHEET INDEX | |
|-------------|-----------------------|
| NO. | DESCRIPTION |
| 1 OF 3 | TITLE SHEET |
| 2 OF 3 | WATER PLAN |
| 3 OF 3 | WATER MAIN - PROFILES |



BENCHMARK

DESCRIPTION

- STATION 2542001 (CONCRETE MONUMENT)
ELEV. 426.571 (FOR VERTICAL CONTROL ONLY)
STATION IS LOCATED ON BGE TRANSMISSION LINES 1060' ± SW. OF DOBBIN ROAD
- STATION 2542002 (CONCRETE MONUMENT)
ELEV. 363.628 (FOR VERTICAL CONTROL ONLY)
STATION IS LOCATED 1000' ± WEST OF RT. 175 ON TRANSMISSION LINE AT G&E TOWER 19-E NEAR HANOVERS RESTAURANT ENTRANCE
- STATION 37 DR (114" REBAR)
N 169881.794, E 416566.765 (FOR HORIZONTAL CONTROL ONLY)
STATION IS LOCATED 0.45± MILES NORTH OF RT. 175 AND 45± EAST OF THE EAST CURB OF SNOWDEN RIVER PARKWAY
- STATION 361A (CONCRETE MONUMENT)
N 169205.9263, E 416335.919 (FOR HORIZONTAL CONTROL ONLY)
STATION IS LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION OF SNOWDEN RIVER PARKWAY AND RT. 175 3± FROM CURB AND 57± FROM END OF GUARDRAIL

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND SITE DEVELOPMENT PLAN SDP 00-75.

REVIEWED FOR NATURAL RESOURCES CONSERVATION SERVICE AND MEETS TECHNICAL REQUIREMENT

Jim Meyer 4/30/04
SIGNATURE DATE

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

Philip R. Burton 4/30/04
APPROVED DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

DMW
Daft-McCune-Walker, Inc.

200 East Pennsylvania Avenue
Towson, Maryland 21286
(410) 296-3333
Fax 296-4705

A Team of Land Planners,
Landscape Architects,
Golf Course Architects,
Engineers, Surveyors &
Environmental Professionals



DESIGN BY: PLH
DRAWN BY: WDE
CHECKED BY:
DATE: 4-21-04

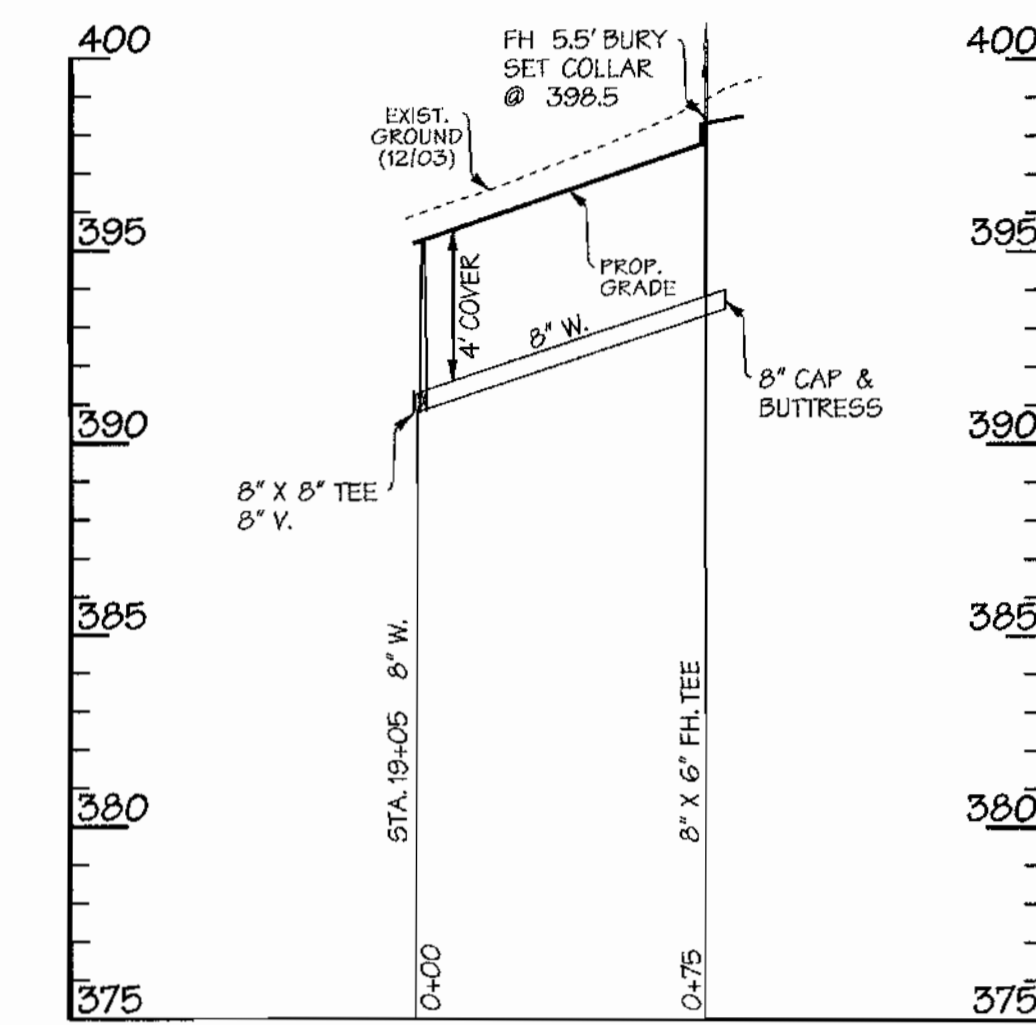
VICINITY MAP
SCALE: 1" = 600'
CONTRACT NO. 44-4199.D

WATER CODE: E.06
TEST GRADIENT: 700
SEWER CODE: 5334400

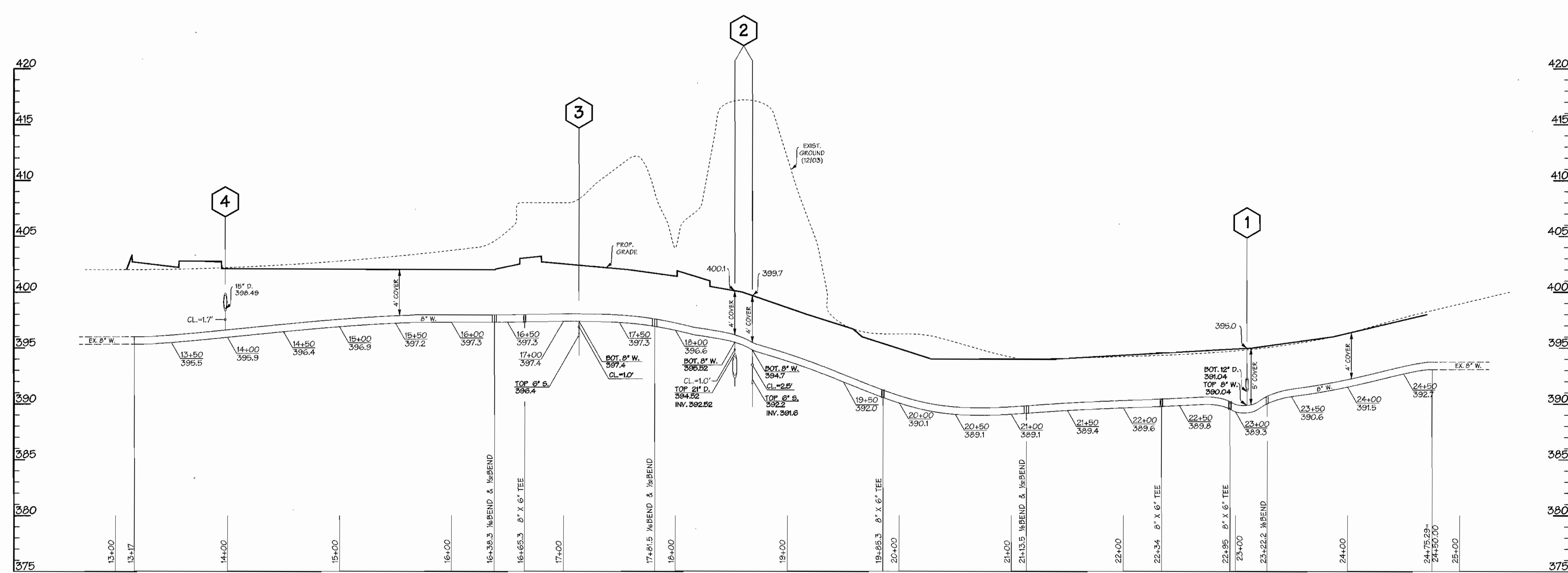
TITLE SHEET

COLUMBIA
ROUTE 175 COMMERCIAL
SECTION 1, AREA 2, PARCEL A & O.S. LOT 3
6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
OWNER/PURCHASER: LIBERTY PROPERTY LTD. PTNP.
9145 GUILFORD ROAD
SUITE 100, COLUMBIA, MD. 21046
CONTRACT NO. 44-4199.D

SCALE:
1" = 600'
SHEET
1 of 3





PROFILE - LINE B
 SCALE: HOR. 1"=50'
 VER. 1"=5'



PROFILE - LINE A
 SCALE: HOR. 1"=50'
 VER. 1"=5'

Wed Apr 21 13:09:24 2004 \\BLD6560\B9098mg5w03

| | | | | | | | | | | | | | | | |
|--|--|---|--|--|----|-----|----------|------|--|--|--|--|--|--|--|
| DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>R. J. ...</i> CHIEF - BUREAU OF UTILITIES - DATE 4-23-04 | DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND <i>...</i> CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE 5/10/04 |  DMW Daft-McCune-Walker, Inc. <small>200 East Pennsylvania Avenue Towson, Maryland 21286 (410) 296-3333 Fax 296-4708</small> A Team of Land Planners, Landscape Architects, Golf Course Architects, Engineers, Surveyors & Environmental Professionals |  DESIGN BY: PLH DRAWN BY: WDE CHECKED BY: DATE: 4-21-04 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>BY</td> <td>NO.</td> <td>REVISION</td> <td>DATE</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> | BY | NO. | REVISION | DATE | | | | | <h2 style="margin: 0;">WATER MAIN PROFILE</h2> | COLUMBIA ROUTE 175 COMMERCIAL SECTION 1, AREA 2, PARCEL A & O.S. LOT 3 6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND OWNER/PURCHASER: LIBERTY PROPERTY LTD. PTNP. 9145 GUILFORD ROAD SUITE 100, COLUMBIA, MD. 21046 CONTRACT NO. 44-4199.D | SCALE: AS SHOWN SHEET 3 of 3 |
| BY | NO. | REVISION | DATE | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

| ITEMS | QUANTITIES ESTIMATED | QUANTITIES | | |
|-----------------|----------------------|------------|------|-------------------------|
| | | QUANTITIES | TYPE | MANUFACTURER / SUPPLIER |
| 8" D.I.P. | 2476' | | | |
| 6" D.I.P. | 126' | | | |
| 6" X 6" TEE | 6 | | | |
| 6" VALVE | 2 | | | |
| 6" CAP | 2 | | | |
| 6" FIRE HYDRANT | 3 | | | |
| 1/2" BEND | 3 | | | |
| 1/2" BEND | 2 | | | |
| 1/2" BEND | 3 | | | |

NAME OF UTILITY CONTRACTOR: _____
 SURVEY AND DRAFTING DIVISION AS-BUILT DATE: _____

8" WATER MAIN COLUMBIA ROUTE 175 COMMERCIAL

SECTION 1 AREA 2


PARCEL A & O.S. LOT 3

HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

CONTRACT NO. 44-4199.D

GENERAL NOTES

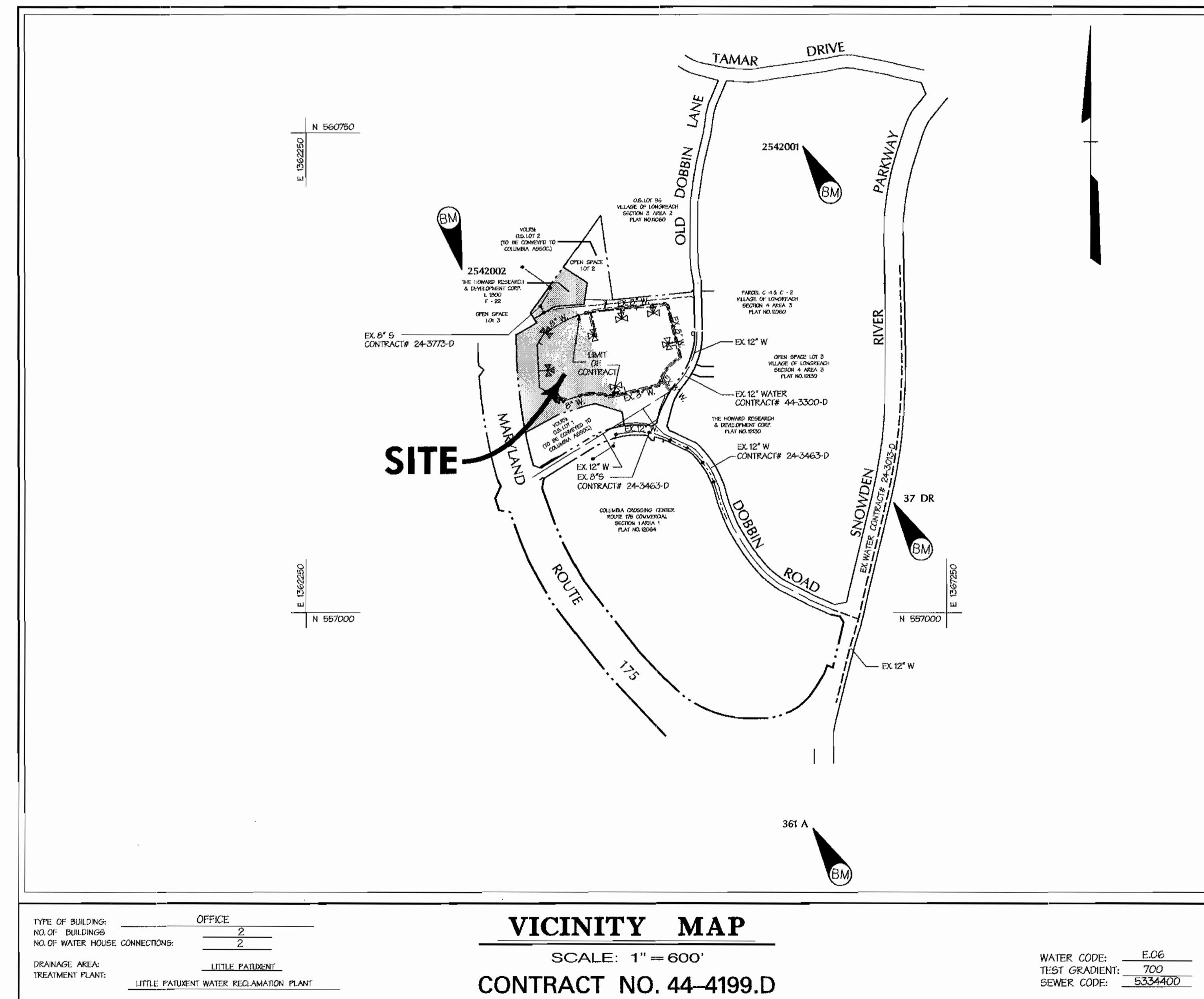
PART I - GENERAL

- Approximate locations of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted service. 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, NAD 83/91.
- All vertical controls are based on NAVD 83.
- All pipe elevations shown are invert elevations unless otherwise noted on the plans.
- Clear all utilities by minimum of 12 inches. Clear all poles by 5'-0" minimum or tunnels as required unless otherwise noted. 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 the bracing of additional poles or damages shall be deducted from monies owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing or the poles.
- For details not shown on the drawing, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Details 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 locations of the test pits. A note or notes containing the 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.
- The contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:
 - AT&T.....1-800-252-1333
 - BGE (Contractor Services).....410-850-4620
 - BGE (Underground Damage Control).....410-787-9066
 - Bureau of Utilities.....410-313-4900
 - Colonial Pipeline Co.....410-795-1390
 - Miss Utility.....1-800-257-7777
 - State Highway Administration.....410-531-5533
 - Verizon.....1-800-743-0033/410-224-9210
- Trees and shrubs are to be protected from damage to the maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.
- The contractor shall remove trees, stumps and roots along the line of excavations. Payment for such removal shall be included in the unit price bid for construction of the main.
- The contractor shall notify the Bureau of Highways, Howard County, at (410) 313-7450 at least five working days before open cutting or boring/jacking of any County road for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DFW requirements per Section 16.14(a) of the Howard County Code.

PART II - WATER

- All water mains shall be D.I.P. Class 52 unless otherwise noted.
- Top of all water mains shall have a minimum of 3'-6" of 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 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 installed in accordance with Standard Details. The soil around the fire hydrant shall be compacted in accordance with Section 1000 and Section 1005 of the Standard Specifications.
- The contractor shall not operate any water main valves on the existing water system.

| SHEET INDEX | |
|-------------|-----------------------|
| NO. | DESCRIPTION |
| 1 OF 3 | TITLE SHEET |
| 2 OF 3 | WATER PLAN |
| 3 OF 3 | WATER MAIN - PROFILES |



BENCHMARK

DESCRIPTION

- STATION 2542001 (CONCRETE MONUMENT)
ELEV. 426.971 (FOR VERTICAL CONTROL ONLY)
STATION IS LOCATED ON BGE TRANSMISSION LINES 1060' ± S.W. OF DOBBIN ROAD
- STATION 2542002 (CONCRETE MONUMENT)
ELEV. 363.639 (FOR VERTICAL CONTROL ONLY)
STATION IS LOCATED 1000' ± WEST OF RT. 175 ON TRANSMISSION LINE AT GME TOWER 19-E NEAR HANOVERS RESTAURANT ENTRANCE
- STATION 37 DR (1/4" REBAR)
N 169881.1794, E 416566.7155 (FOR HORIZONTAL CONTROL ONLY)
STATION IS LOCATED 0.45± MILES NORTH OF RT. 175 AND 46± EAST OF THE EAST CURB OF SNOWDEN RIVER PARKWAY
- STATION 361A (CONCRETE MONUMENT)
N 169205.9263, E 416313.5119 (FOR HORIZONTAL CONTROL ONLY)
STATION IS LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION OF SNOWDEN RIVER PARKWAY AND RT. 175 3± FROM CURB AND 57± FROM END OF GUARDRAIL

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND SITE DEVELOPMENT PLAN SDP 00-75.

REVIEWED FOR NATURAL RESOURCES CONSERVATION SERVICE AND MEETS TECHNICAL REQUIREMENT

Jim Meyer 4/30/04
 SIGNATURE DATE

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

John R. Burton 4/30/04
 APPROVED DATE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND

DMW
 Daft-McCune-Walker, Inc.
 A Team of Land Planners, Landscape Architects, Golf Course Architects, Engineers, Surveyors & Environmental Professionals
 300 East Pennsylvania Avenue
 Towson, Maryland 21286
 (410) 296-3233
 Fax 296-4705

[Signature] 4-21-04

| | |
|-------------|-------------------------|
| DESIGN BY: | PLH |
| DRAWN BY: | WDE |
| CHECKED BY: | |
| DATE: | 4-21-04 |
| BY: | DMW |
| NO.: | 1 |
| REV.: | REV. "QUANTITIES" TABLE |
| REVISION: | |
| DATE: | 4/29/04 |

SCALE: 1" = 600'
 CONTRACT NO. 44-4199.D

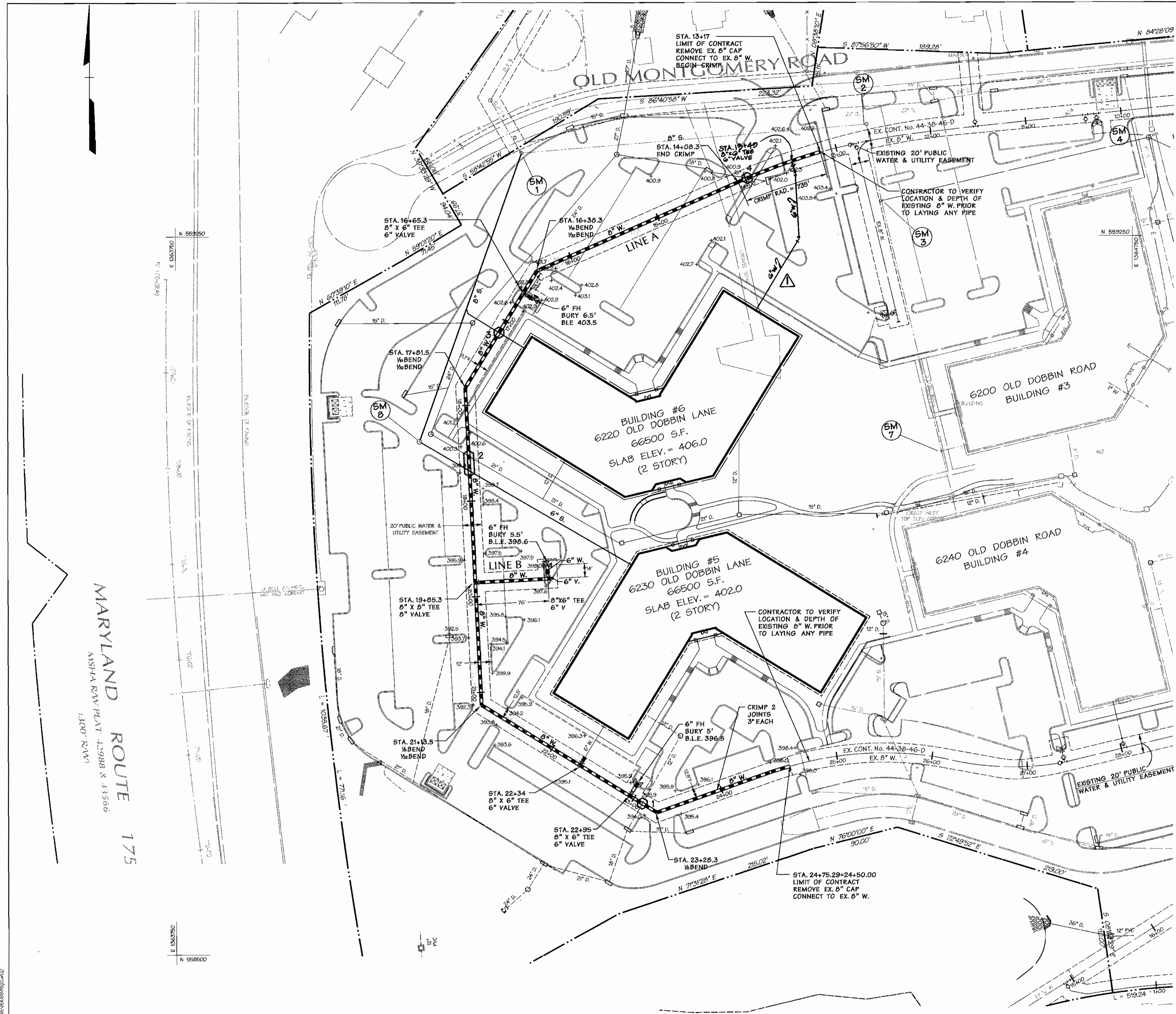
**COLUMBIA
 ROUTE 175 COMMERCIAL**

SECTION 1, AREA 2, PARCEL A & O.S. LOT 3
 6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

OWNER/PURCHASER: LIBERTY PROPERTY LTD. PTNP.
 9145 GUILFORD ROAD
 SUITE 100, COLUMBIA, MD. 21046

CONTRACT NO. 44-4199.D

SCALE: 1"=600'
 SHEET 1 of 3



MARYLAND ROUTE 175
NISHA RW PLAT 42988 & 43566
(300' R/W)

LEGEND

- STANDARD CURB & GUTTER
- PROPOSED STORM DRAIN
- PROPOSED SEWER
- PROPOSED WATER
- SIDEWALK / HANDICAP RAMP

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

R. B. ... 4-23-04
CHIEF - BUREAU OF UTILITIES - DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

W. ... 5/10/04
CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE

DMW
Daft-McCune-Walker, Inc.

A Team of Land Planners,
Landscape Architects,
Township, Maryland 21296
(410) 296-3333
Fax 296-4705

Engineers, Surveyors &
Environmental Professionals



| | |
|-------------|--------------------------|
| DESIGN BY: | PLH |
| DRAWN BY: | WDE |
| CHECKED BY: | |
| DATE: | 4-21-04 |
| BY NO. | DMW 4 |
| REVISION | REV. 0" WMC FOR BLDG. #6 |
| DATE | 10/22/04 |

WATER MAIN PLAN

600 SCALE MAP NO. 36 BLOCK NO. 12/18

COLUMBIA
ROUTE 175 COMMERCIAL
SECTION 1, AREA 2, PARCEL A & O.S. LOT 3
6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

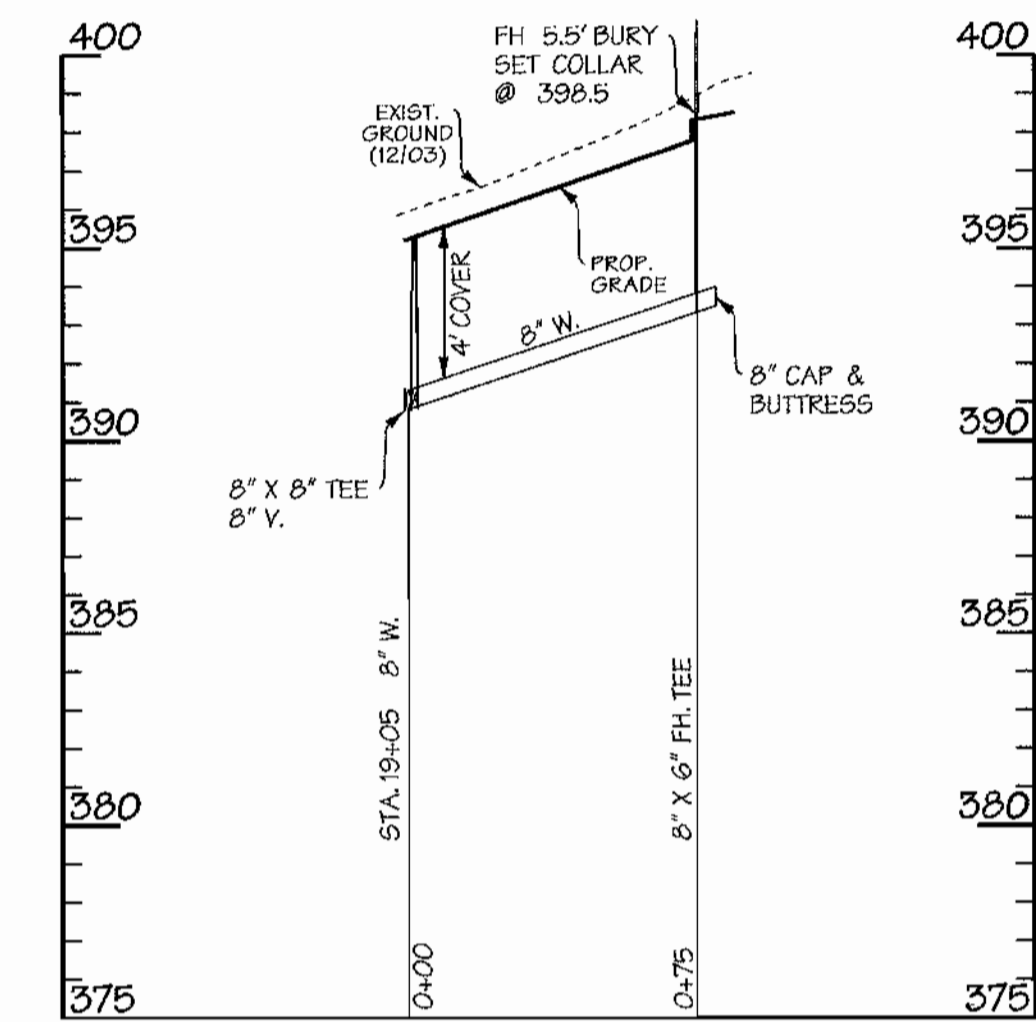
OWNER/PURCHASER: LIBERTY PROPERTY LTD. PTNP.
9145 GUILFORD ROAD
SUITE 100, COLUMBIA, MD. 21046

CONTRACT NO. 44-4199.D

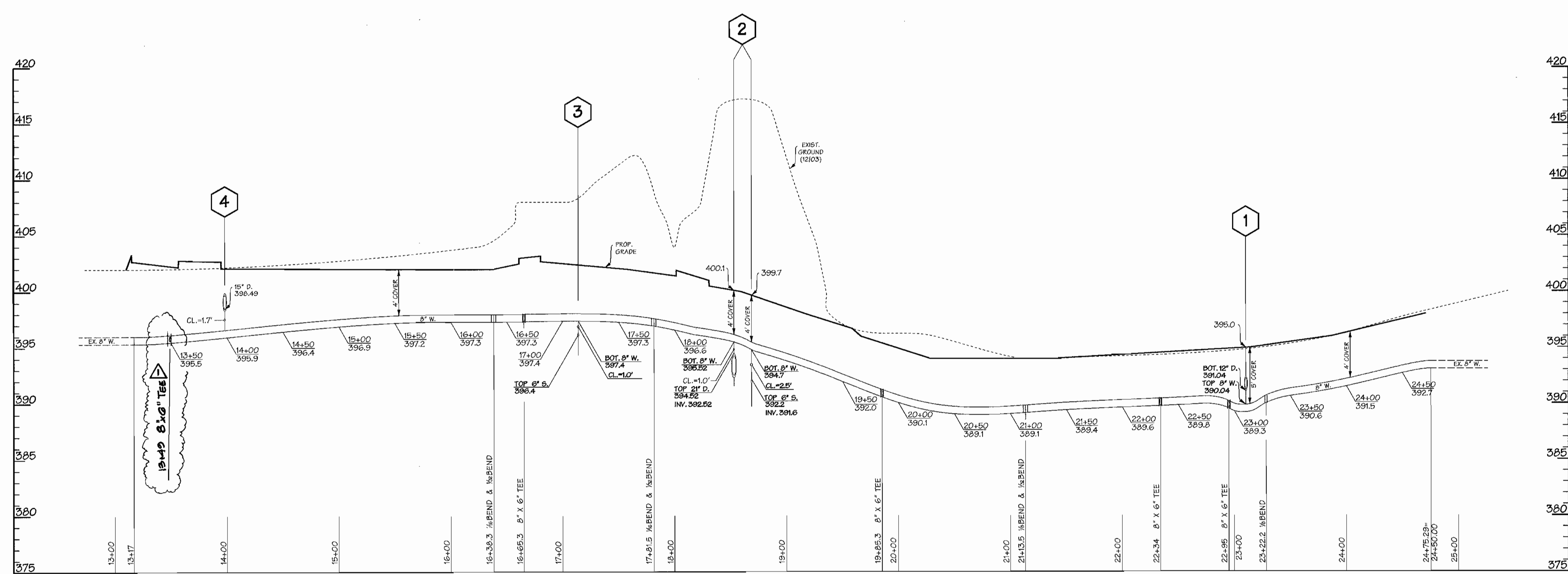
SCALE:
1"=50'

SHEET
2 of 3

Wed Apr 21 11:57:55 AM 2004 dmw\elk05586\090686mg5w02



PROFILE - LINE B
 SCALE: HOR. 1"=50'
 VER. 1"=5'



PROFILE - LINE A
 SCALE: HOR. 1"=50'
 VER. 1"=5'

WED APR 21 13:38:24 2004 dmw\00566\00566.dwg 3/23/04 10:03

| | | | | | | |
|---|---|---|--|--|--|--|
| DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>R. J. ...</i> CHIEF - BUREAU OF UTILITIES - DATE 4-23-04 | DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND <i>...</i> CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE 5/10/04 | DMW Daft-McCune-Walker, Inc. <small>200 East Pennsylvania Avenue Towson, Maryland 21286 (410) 296-3335 Fax 296-4705</small> <small>A Team of Land Planners, Landscape Architects, Golf Course Architects, Engineers, Surveyors & Environmental Professionals</small> | DESIGN BY: PLH DRAWN BY: WDE CHECKED BY: DATE: 4-21-04 BY NO. REVISION: ADD 8" X 6" TEE DATE: 5/28/04 | <h2 style="margin: 0;">WATER MAIN PROFILE</h2> | COLUMBIA ROUTE 175 COMMERCIAL SECTION 1, AREA 2, PARCEL A & O.S. LOT 3 6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND OWNER/PURCHASER: LIBERTY PROPERTY LTD. PTNP. 9145 GUILFORD ROAD SUITE 100, COLUMBIA, MD. 21046 CONTRACT NO. 44-4199.D | SCALE: AS SHOWN SHEET 3 of 3 |
|---|---|---|--|--|--|--|