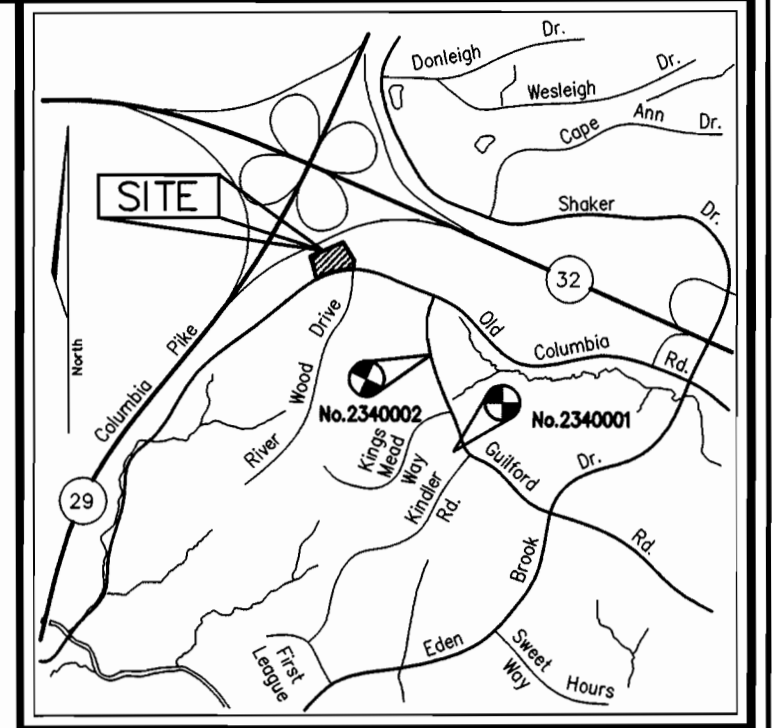


# PUBLIC WATER PLAN RIVERS CORPORATE PARK PARCEL S-1 CONTRACT NO. 24-4029-D

### LEGEND

- Existing Contour
- Proposed Contour
- Existing Spot Elevation
- Proposed Spot Elevation
- Direction of Flow
- Existing Trees to Remain



VICINITY MAP  
SCALE: 1"=2000'

### BENCHMARKS

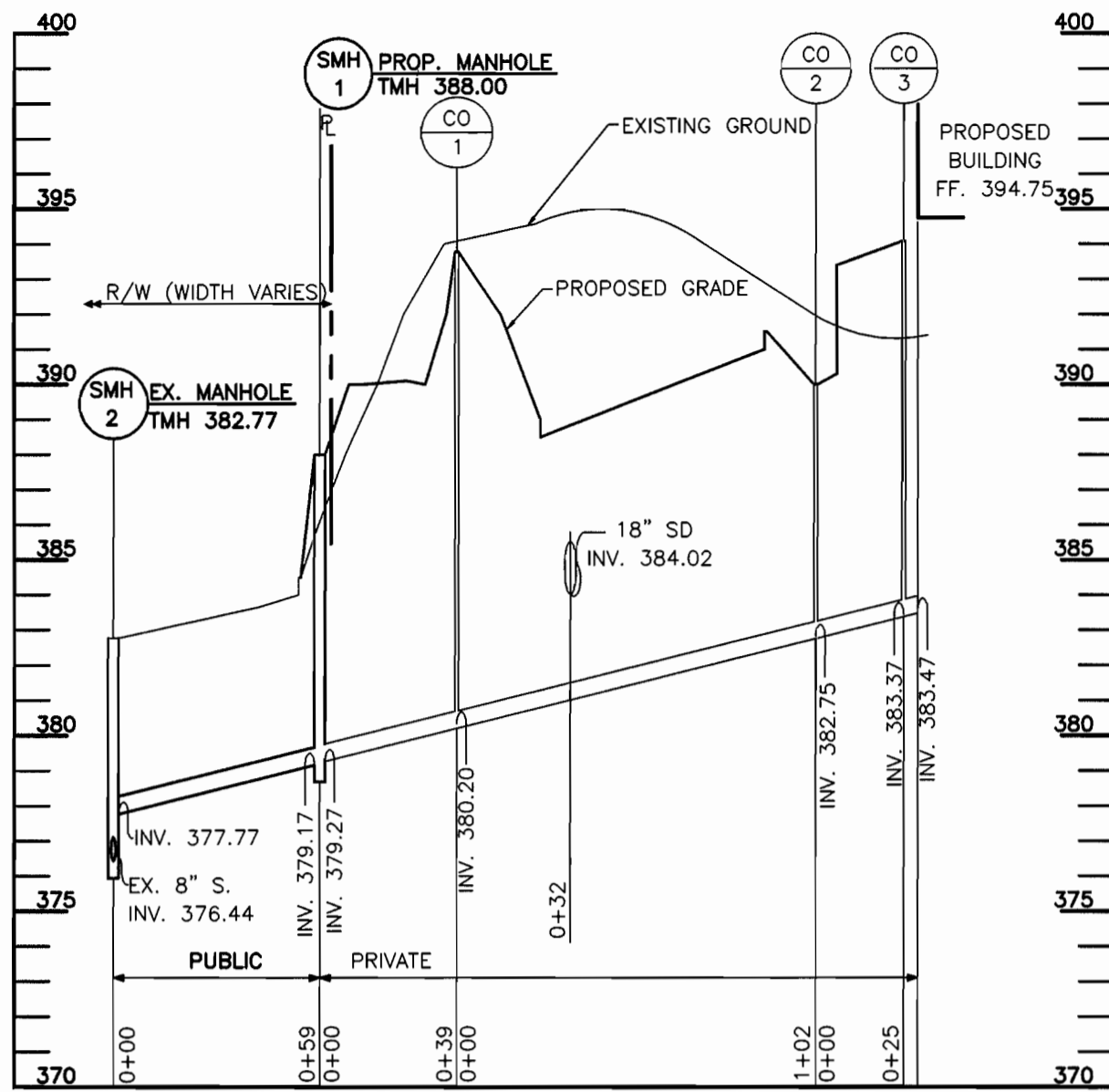
- HOWARD COUNTY CONTROL TRAVERSE NO. 2340001-R  
N 487985.351 E 837074.791 ELEV. 391.541  
R.B. 1'± SW OF W EDGE OF ROAD, 0.5' BELOW SURFACE
- HOWARD COUNTY CONTROL TRAVERSE NO. 2340002-R  
N 488939.019 E 836802.563 ELEV. 362.611  
R.B. 1.5'± W OF W EDGE OF ROAD, 0.7' BELOW SURFACE

### GENERAL NOTES

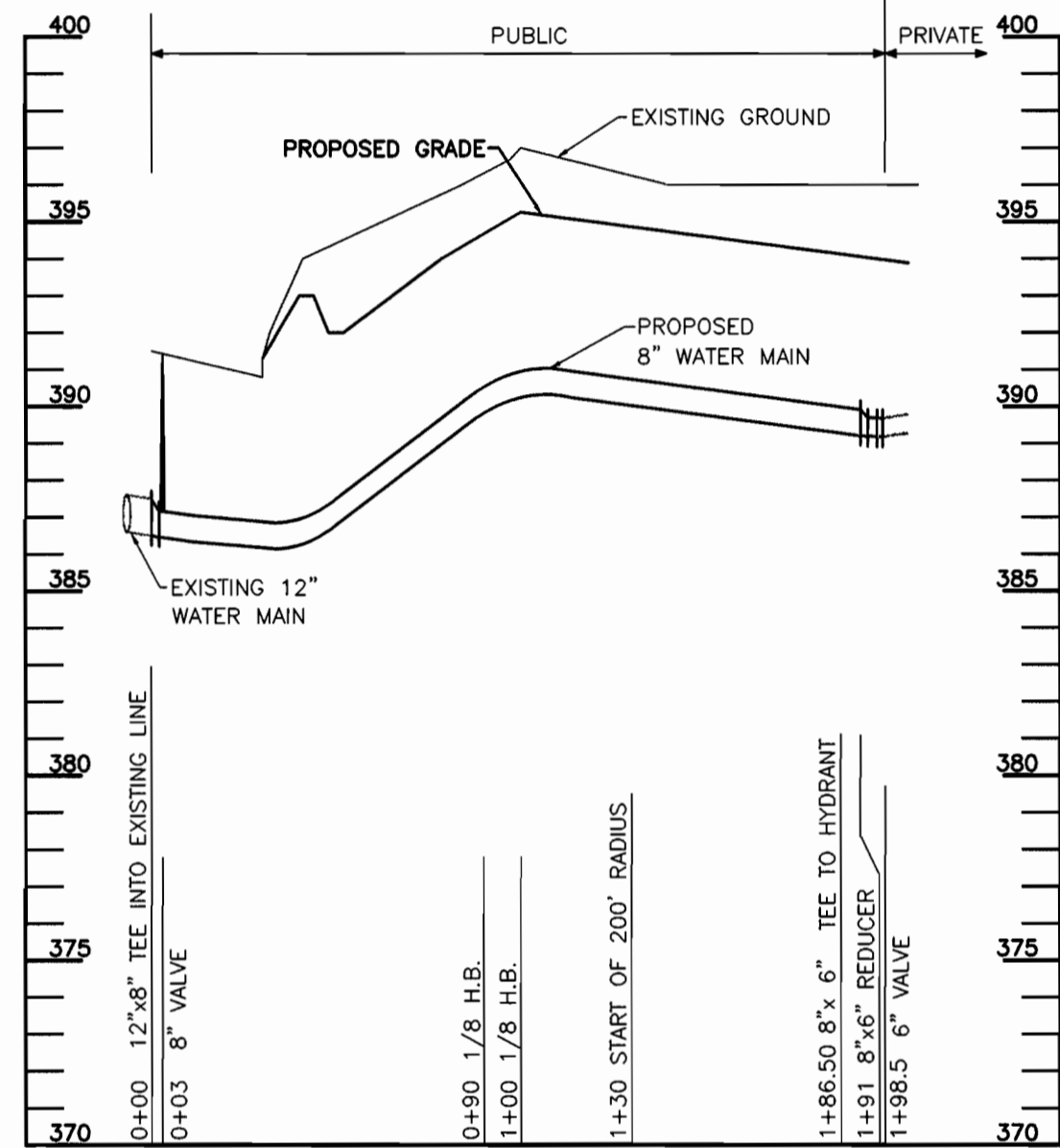
- PART I**
1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
  2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
  3. ALL VERTICAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
  4. ALL PIPE ELEVATIONS SHOWN 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 DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE 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.
  6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, 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.
  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 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 MADE SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION.
  8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN THESE PLANS:
 

|  |                |
|--|----------------|
| C. & P. TELEPHONE                        | 597-8585       |
| A.T. & T.                                | 865-3803       |
| STATE HIGHWAY ADMINISTRATION             | 531-5533       |
| B.G.&E. CO. CONTRACTOR SERVICES          | 850-4620       |
| B.G.&E. CO. UNDER GROUND DAMAGE CONTROL  | 787-9068       |
| MISS UTILITY                             | 1-800-257-7777 |
| COLONIAL PIPELINE CO.                    | 795-1390       |
| HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS | 313-4900       |
  9. 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.
  10. THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN.
  11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAIN OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.

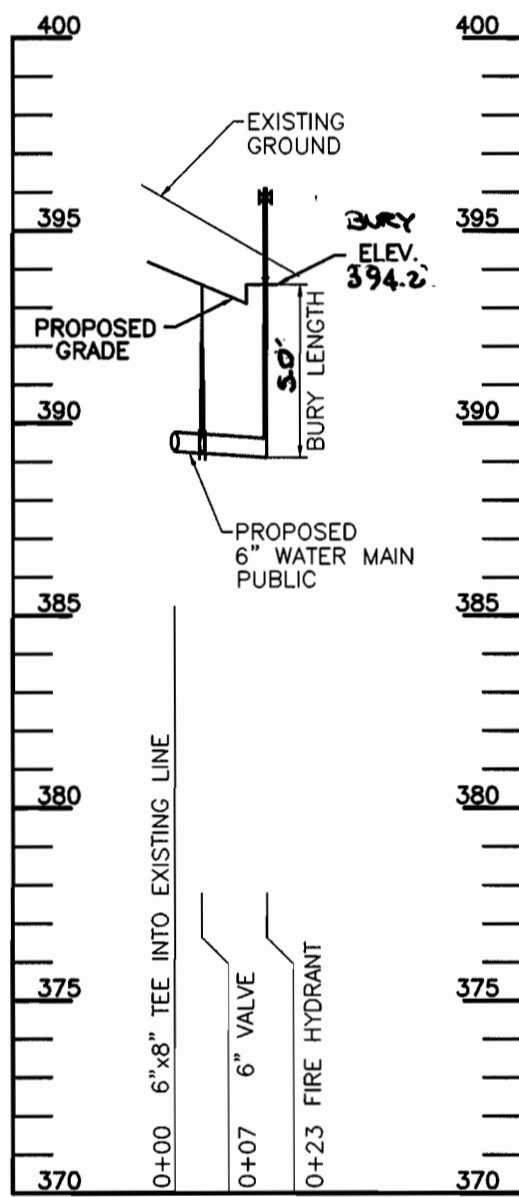
|   |                           |
|---|---------------------------|
| Type of Building :                      | OFFICE                    |
| No. of Lots/Parcels :                   | 1                         |
| No. of single Water House Connections : | 1                         |
| No. of twin Water House Connections :   | 0                         |
| No. of Sewer House Connections :        | 1                         |
| Drainage Area :                         | MIDDLE PATUXENT WATERSHED |
| Treatment Plant :                       | LPWQMC                    |



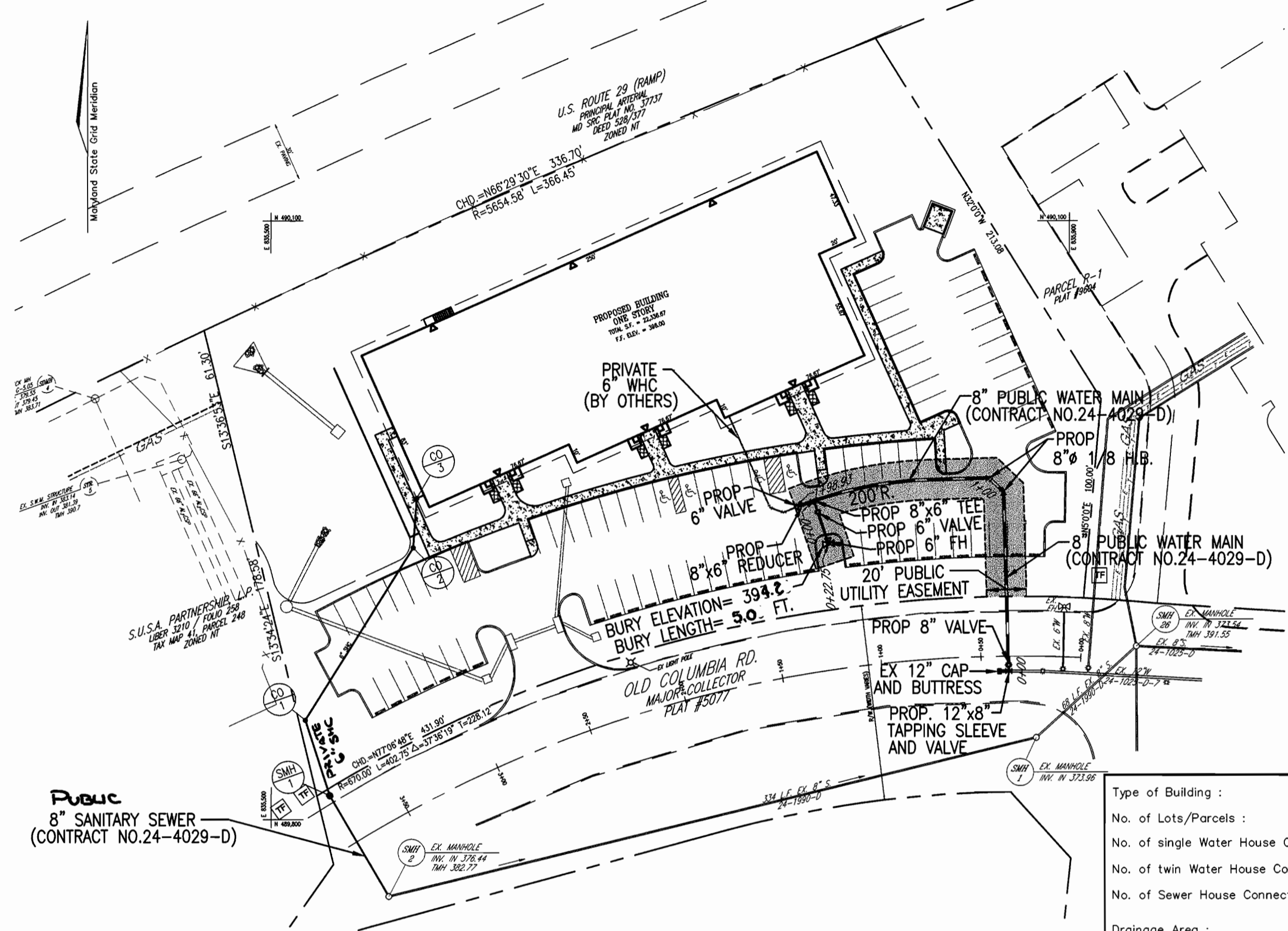
PROPOSED 8" SHC PROFILE  
SCALE: HOR: 1"=50'  
VERT: 1"=5'



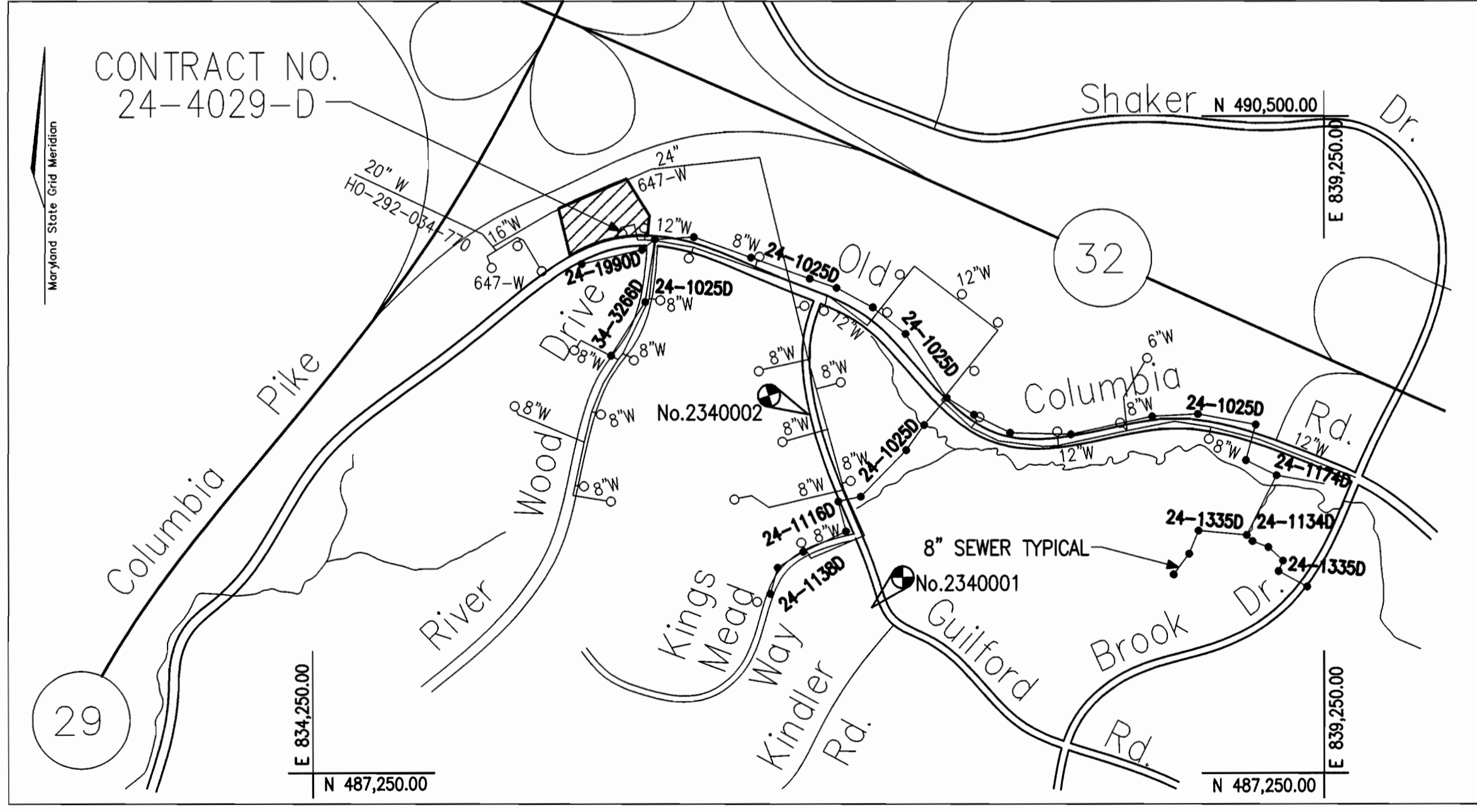
PROPOSED 8" WATER LINE PROFILE  
SCALE: HOR: 1"=50'  
VERT: 1"=5'



PROPOSED 6" D.I.P. PROFILE  
SCALE: HOR: 1"=50'  
VERT: 1"=5'



PLAN VIEW  
SCALE: 1"=50'



PLAN VIEW  
SCALE: 1"=600'

| QUANTITIES                                   |                      |            |      |                       |
|--|----------------------|------------|------|-----------------------|
| NAME OF UTILITY CONTRACTOR :                 |                      |            |      |                       |
| SURVEY AND DRAFTING DIVISION AS-BUILT DATE : |                      |            |      |                       |
| ITEMS  | QUANTITIES ESTIMATED | AS-BUILT   |      |                       |
|  |                      | QUANTITIES | TYPE | MANUFACTURER/SUPPLIER |
| 6" D.I.P.                                    | 24 LF                |            |      |                       |
| 6" VALVE                                     | 2 EA                 |            |      |                       |
| 8" VALVE                                     | 1 EA                 |            |      |                       |
| 8" D.I.P.                                    | 195 LF               |            |      |                       |
| 6" FIRE HYDRANT                              | 1 EA                 |            |      |                       |
| 8" 45° H.B.                                  | 2 EA                 |            |      |                       |
| 8"x6" TEE                                    | 1 EA                 |            |      |                       |
| 12"x8" TAPPING SLEEVE AND VALVE              | 1 EA                 |            |      |                       |
| 8"x6" REDUCER                                | 1 EA                 |            |      |                       |
| 8" PVC                                       | 64 LF                |            |      |                       |
| PAVING REPLACEMENT                           | 235 SY               |            |      |                       |

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP-02-33

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

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*John R. Robertson* 2/25/02 SOIL CONSERVATION DISTRICT DATE

*Jim Meyer* 2/25/02 U.S. SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert Benjamin* 2-25-02  
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND

*Chris Danilow* 2/25/02  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**FREDERICK WARD ASSOCIATES, INC.**  
7125 Riverwood Drive Columbia, Maryland 21046-2354  
Phone: 410-290-9550 Fax: 410-720-6226  
Bel Air, Maryland Columbia, Maryland Warrenton, Virginia

*Frederick Ward* 2/25/02  
REGISTERED PROFESSIONAL ENGINEER



|                 |  |          |  |      |
|-----------------|--|----------|--|------|
| DES: KO         |  |          |  |      |
| DRN: JAJ        |  |          |  |      |
| CHK: MR/RV      |  |          |  |      |
| DATE: FEB. 2002 |  |          |  |      |
| BY: NO.         |  | REVISION |  | DATE |

**PUBLIC WATER PLAN  
AND PROFILES**

600' SCALE MAP NO. 41 BLOCK NO. 6

**RIVERS CORPORATE PARK  
PARCEL S-1  
CONTRACT NO. 24-4029-D**

TAX MAP #41 GRID #6  
6TH ELECTION DISTRICT

PARCEL S-1  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 1 OF 1