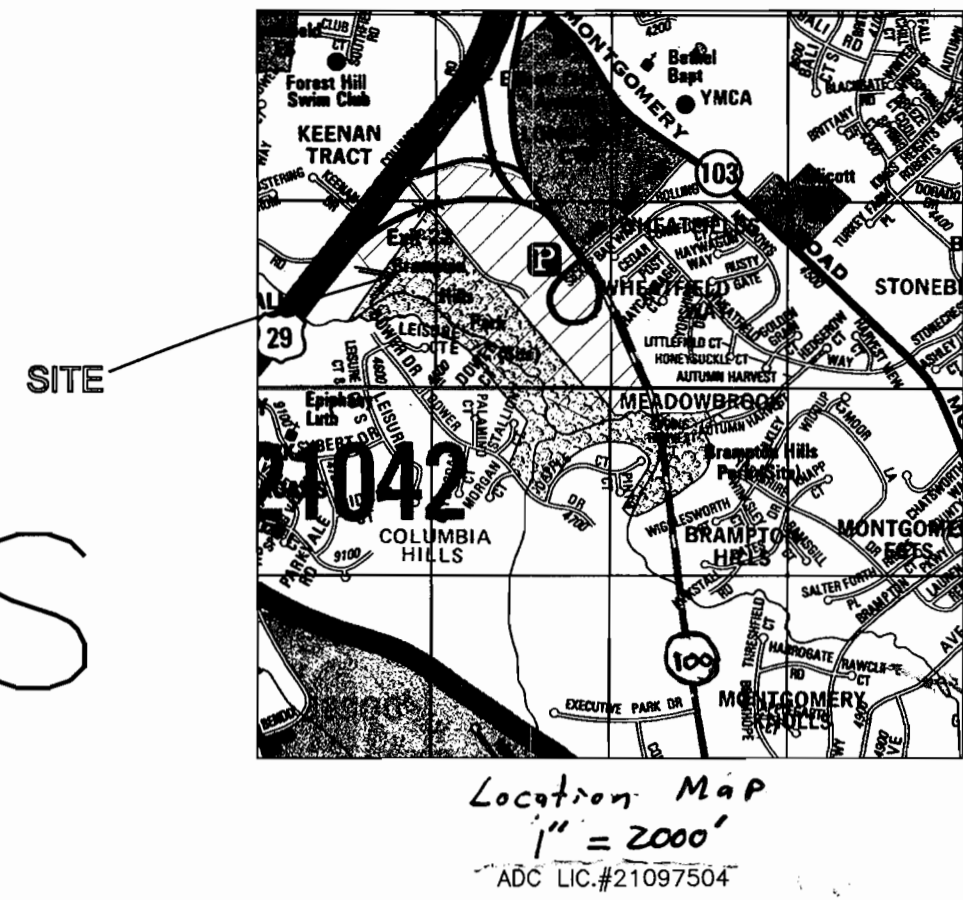
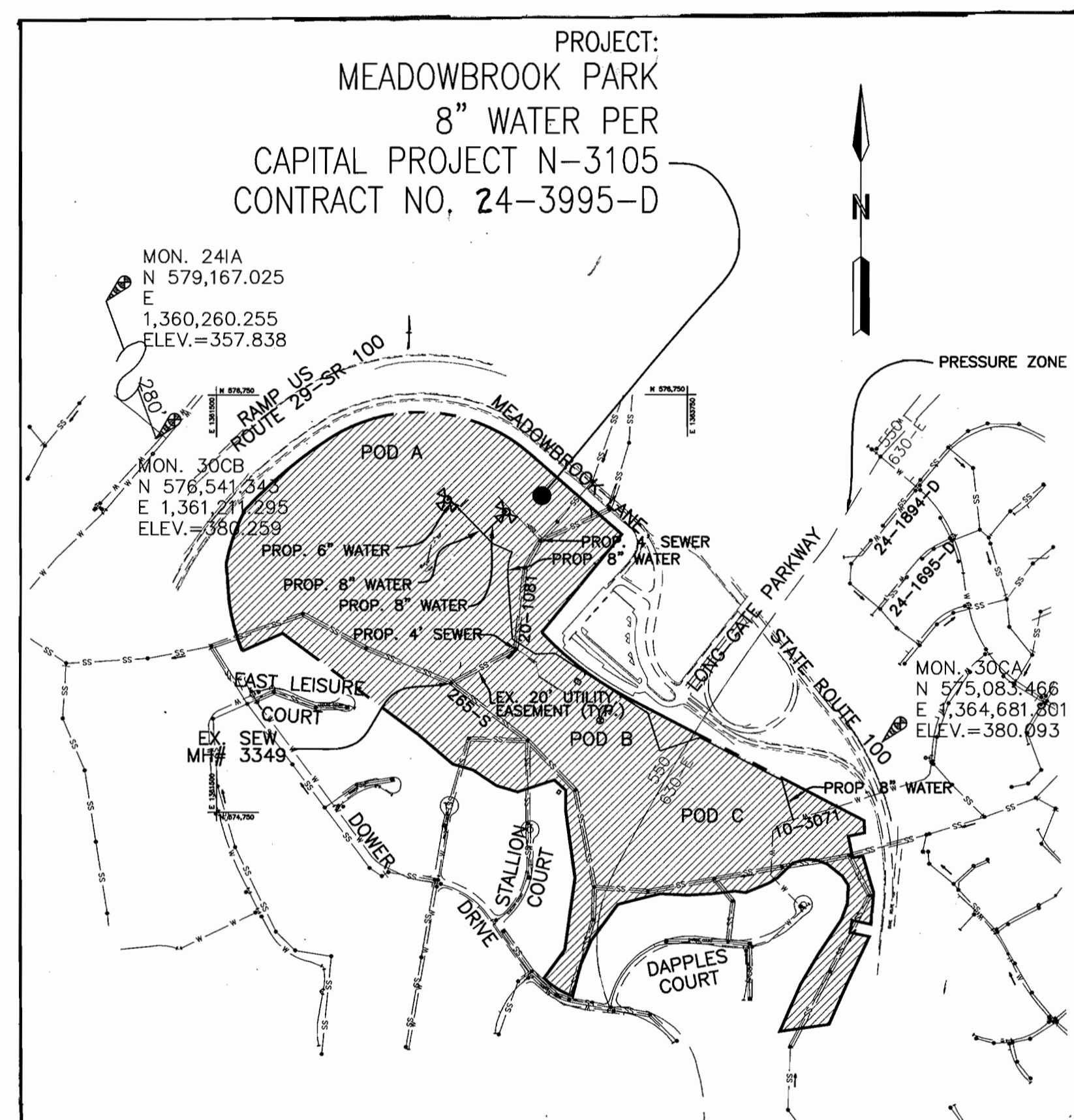


MEADOWBROOK PARK PUBLIC WATER AND SEWER PLANS CONTRACT 24-3995-D



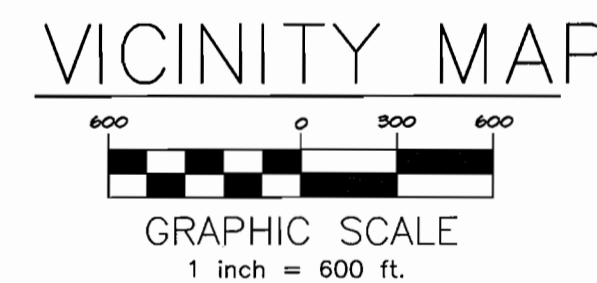
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUF./SUPPLIER
8"x8" TAPPING SLEEVE & VALVE	1 EACH			
8" WATER D.I.P.	2544 LF			
6" WATER D.I.P.	405 LF			
8" VALVE	1 EACH			
6" VALVE	3 EACH			
6" CAP & BUTTRESS	1 EACH			
6" FIRE HYDRANT	2 EACH			
8"x8" TEE	1 EACH			
6"x6" TEE	1 EACH			
4" SEWER HOUSE CONN.	20 LF (TOTAL)			
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:				



NOTES:

- DEVELOPER/ OWNER: HOWARD COUNTY BUREAU OF PUBLIC WORKS
9250 BENDIX ROAD
ELLICOTT CITY, MD, 21043 PHONE: (410) 313-4686
- SUBJECT PROPERTY IS LOCATED ON TAX MAP NO. 30, BLOCK 5, PARCELS 383 AND 387.
- PRESENT ZONING IS R-20 (RESIDENTIAL: SINGLE - 2 UNITS/ACRE), AS PER 10/18/93 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PROPERTY: 76.37 ACRES.
CURRENT TAX MAPS SHOW SITE AREA TO BE 84.20 ACRES. 7.83 ACES WERE DEEDED TO THE MARYLAND STATE HIGHWAY ADMINISTRATION.
- PROPERTY REFERENCE:
DEED REFERENCE: 1257/335, 1260/137, 1272/497

SHEET NUMBER	DESCRIPTION
1	COVER SHEET
2	WATER AND SEWER PLAN POD-A
3	WATER AND SEWER PLAN POD-B
4	WATER AND SEWER PLAN POD-C
5	WATER AND SEWER PROFILES
6	WATER PROFILES



WATER AND SEWER CODE FOR COUNTY USE ONLY
WATER CODE: F09
SEWER CODE: 5750615
TEST GRADIENT: 700

TYPE OF BUILDINGS--RECREATIONAL BUILDINGS
NUMBER OF BUILDABLE LOTS--ONE (1)
NUMBER OF WHC'S--FOUR (4)
NUMBER OF SHC'S--TWO (2)

LEGEND

EXISTING	PROPOSED

GENERAL NOTES:

- PART 1
- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING OR CONSTRUCTED MAINS AND SERVICES AND TO MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE CONCURRED SHALL BE IMMEDIATELY REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
 - ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES, NAD 83, PER A SURVEY BY McCORNE, INC. HOWARD COUNTY MONUMENTS 30CA, 30CB AND 24A. SHOWN ON THIS SHEET.
 - ALL VERTICAL CONTROLS ARE BASED ON NAVD 88 PER THE BENCHMARK POINTS NOTED IN ITEM 2 ABOVE.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY A MINIMUM OF 2'-0" OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED THE UTILITIES 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 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 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 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.
 - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
AT&T 1-800-526-2000
BGE (CONTRACTOR SERVICES) 410-850-4620
BGE (UNDERGROUND DAMAGE CONTROL) 410-291-4607
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF UTILITIES 410-313-4900
BELL ATLANTIC MARYLAND, INC. 1-800-446-5266
COLONIAL PIPELINE CO. 410-549-4120
MISS UTILITY 1-800-257-7777
STATE HIGHWAY ADMINISTRATION 410-531-5533
 - 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 WITHOUT GIVING NOTIFICATION TO THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING DEVELOPMENT ENGINEERING DIVISION.
 - 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.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)313-7450 AT LEAST FIVE (5) 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(g) OF THE HOWARD COUNTY CODE.

PART 2

- 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 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 THE STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANTS 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.

PART 3

- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.I.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS. STANDARD DETAIL 65.52. WHERE WATERTIGHT 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.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP 01-145

<p>ENGINEER'S CERTIFICATE</p> <p>"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 CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."</p> <p><i>Virginia L. Dadds</i> 8/23/02 SIGNATURE OF ENGINEER DATE VIRGINIA L. DADD</p>	<p>DEVELOPER'S CERTIFICATE</p> <p>"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."</p> <p><i>Paul J. Szymon</i> 8/29/02 SIGNATURE OF DEVELOPER DATE</p>
<p>THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.</p> <p><i>John A. H...</i> 9/3/02 SOIL CONSERVATION DISTRICT DATE</p>	<p>REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.</p> <p><i>Jim Reyes / as</i> 9/3/02 U.S. SOIL CONSERVATION DISTRICT Natural Resources Conservation Service DATE</p>

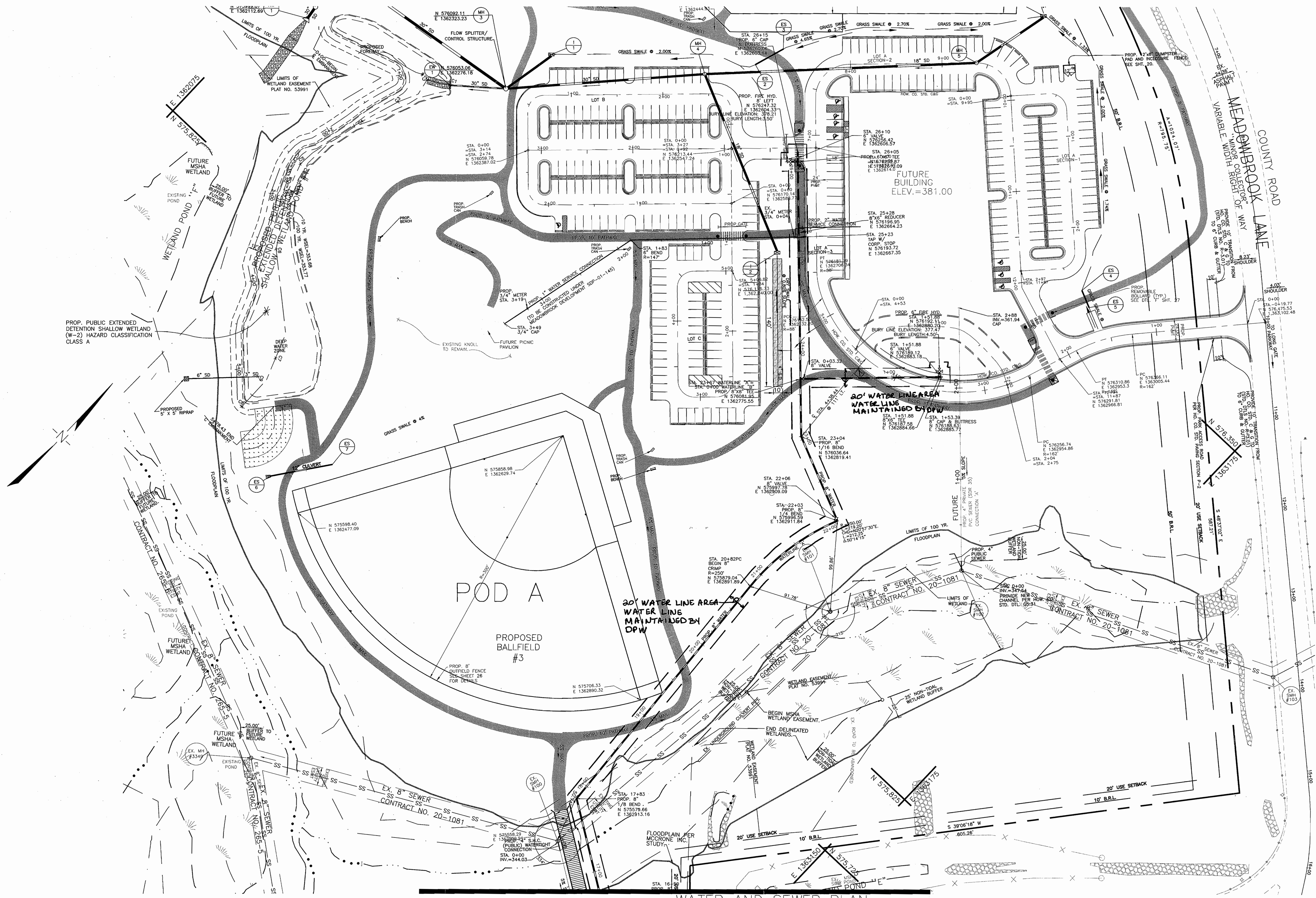
PARCEL NUMBER	STREET ADDRESS
383 & 387	5001 MEADOWBROOK LANE

<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>Robert M. B...</i> 10-21-02 CHIEF, BUREAU OF UTILITIES DATE</p>	<p>DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND</p> <p><i>...</i> 11/14/02 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE</p>	<p>McCORNE ENGINEERING & ENVIRONMENTAL SCIENCES LAND PLANNING & SURVEYING & CONSTRUCTION SERVICES 20 RIDGELY AVENUE ANNAPOLIS, MARYLAND 21401 (410) 267-8621 Fax (410) 267-9932</p> <p><i>...</i> 8/28/02 REGISTERED PROFESSIONAL ENGINEER</p>	<p>DES: J.S. DRN: J.S. CHK: V.L.D. DATE: AUG 2002</p>	<p>BY: No. REVISION</p>	<p>DATE: 600' SCALE MAP NO. 30</p>	<p>BLOCK NO. 5</p>	<p>SCALE AS SHOWN</p>	<p>SHEET 1 OF 6</p>
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COVER SHEET PUBLIC WATER AND SEWER PLANS MEADOWBROOK PARK

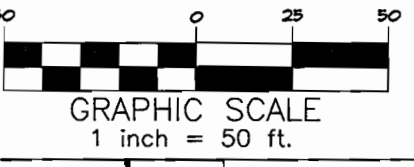
TAX MAP 30 CONTRACT # 24-3995-D
BLOCK 5 PARCELS 383 & 387
2 nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

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MATCH LINE
SEE SHEET (3 OF 6)

WATER AND SEWER PLAN



Plot Date and Time: Aug 22, 2002 - 2:59pm

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Ruth Baugher 10-21-02
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
John Dammann 11/14/02
CHIEF, DEVELOPMENT ENGINEERING DIVISION

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LAND PLANNING & SURVEYING & CONSTRUCTION SERVICES
20 RIDGELY AVENUE
ANNAPOLIS, MARYLAND 21401
(410) 267-8621
Fax (410) 267-9932

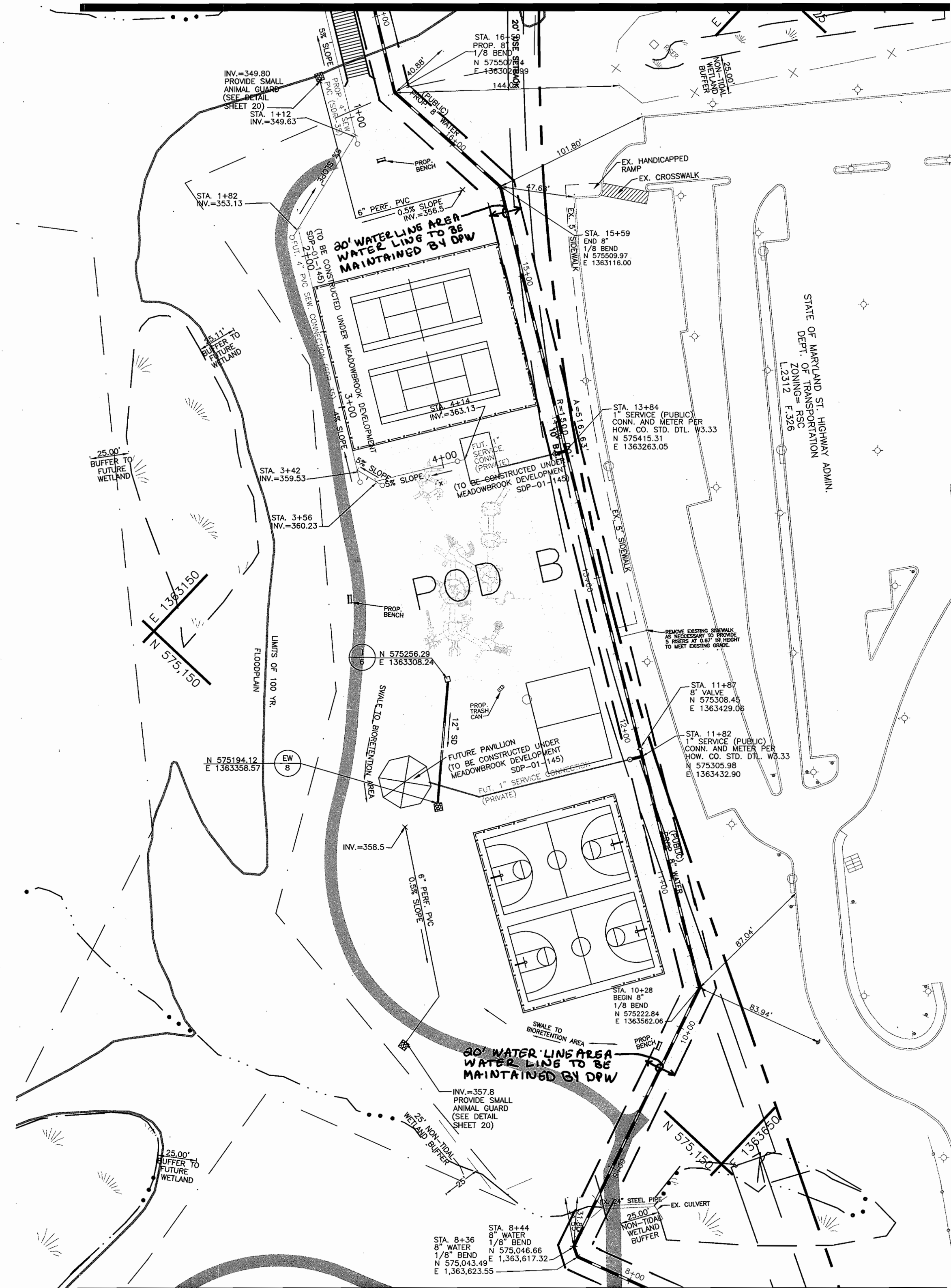


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DRN: J.S.					
CHK: V.L.D.					
DATE: AUG 2002	BY	No.	REVISION	DATE	

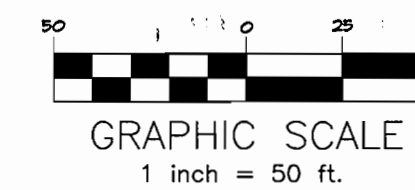
WATER AND SEWER PLAN
POD-A

PUBLIC WATER AND SEWER PLANS
MEADOWBROOK PARK
CONTRACT # 24-3995-D
BLOCK 5 PARCELS 383 & 387
TAX MAP 30
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE 1"=50'
SHEET 2 OF 6

MATCH LINE
SEE SHEET (2 OF 6)



MATCH LINE
SEE SHEET (4 OF 6)



Plot Date and Time: Aug 22, 2002 - 2:57pm

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

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(410) 287-8621
Fax (410) 287-9932



DES: J.S.

DRN: J.S.

CHK: V.L.D.

DATE: AUG 2002

BY	No.	REVISION	DATE

WATER AND SEWER PLAN
POD-B

600 SCALE MAP NO. 30

BLOCK NO. 5

PUBLIC WATER AND SEWER PLANS
MEADOWBROOK PARK

TAX MAP 30

CONTRACT # 24-3995-D
BLOCK 5 PARCELS 383 & 387
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE
1"=50'

SHEET
3 OF 6

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R. J. B.
CHIEF, BUREAU OF UTILITIES
10-21-02
DATE

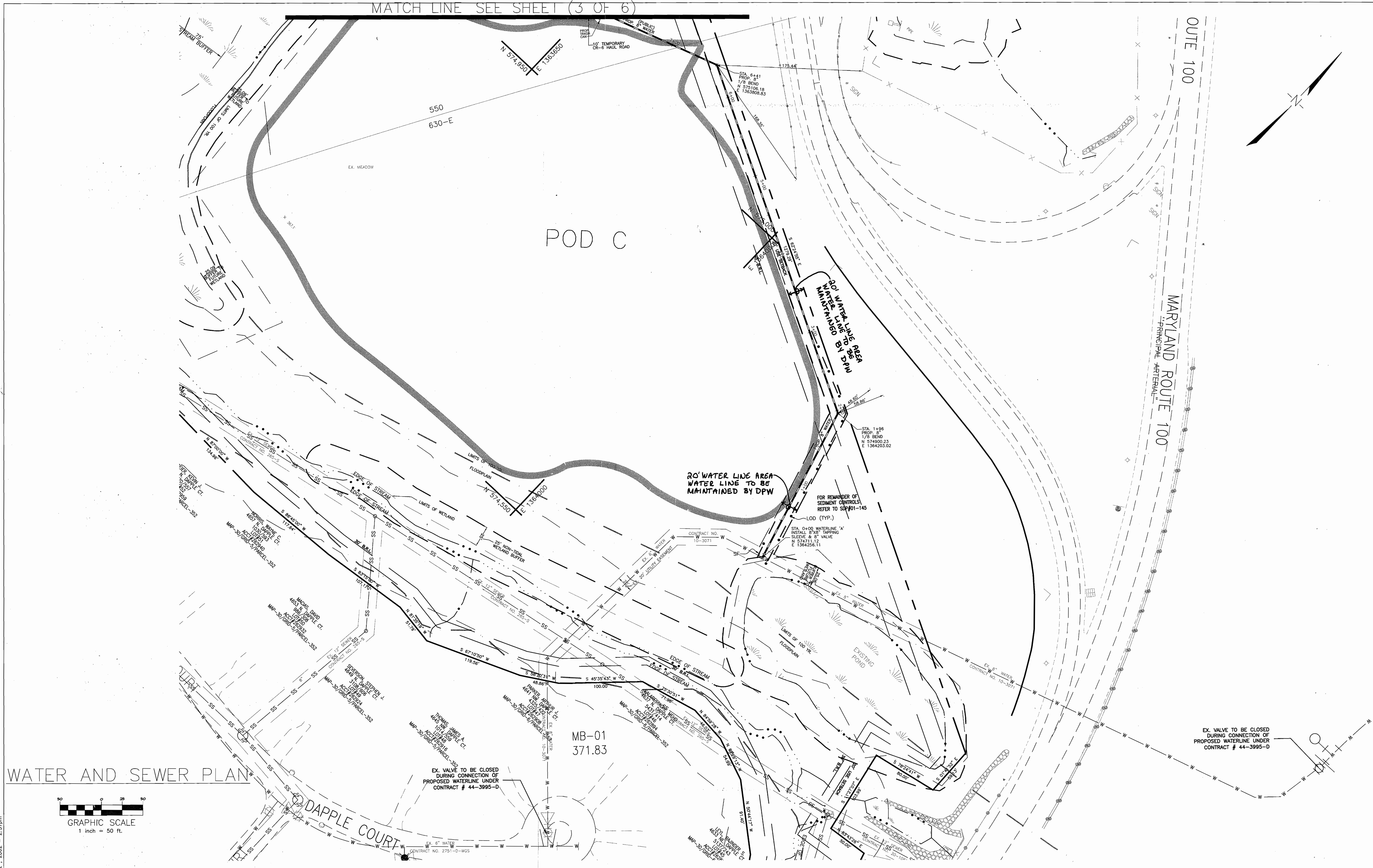
John Damman
CHIEF, DEVELOPMENT ENGINEERING DIVISION
11/14/02
DATE

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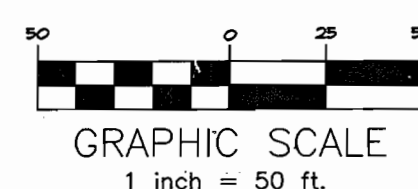
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MATCH LINE SEE SHEET (3 OF 6)



WATER AND SEWER PLAN



Plot Date and Time: Aug 22, 2002, 2:57pm

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

R. J. B. 10-21-02
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

Ch. DeW...
CHIEF, DEVELOPMENT ENGINEERING DIVISION

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ANNAPOLIS, MARYLAND 21401
(410) 267-9521
Fax (410) 267-9932

ANNAPOLIS CENTREVILLE ELKTON PRINCE FREDERICK SALISBURY



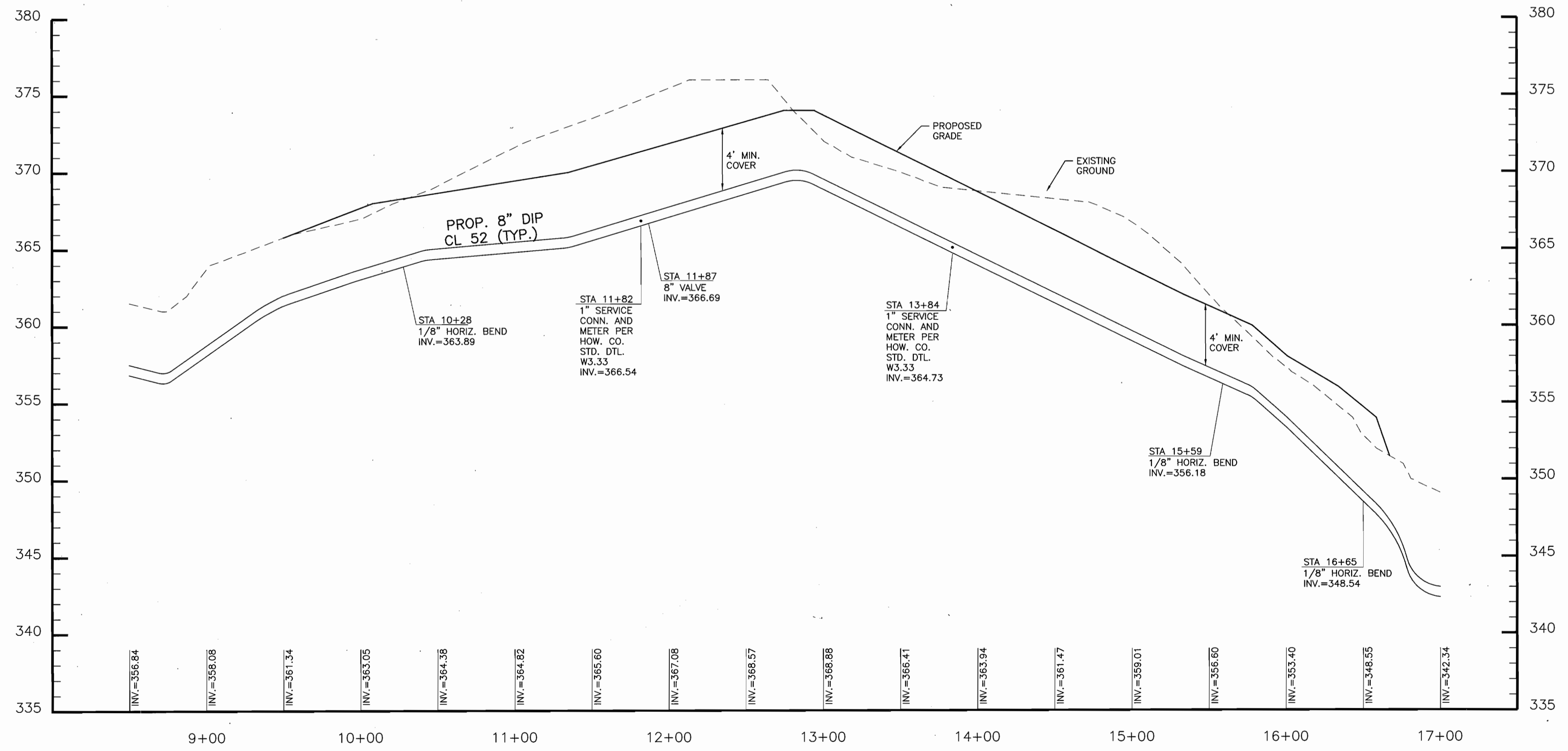
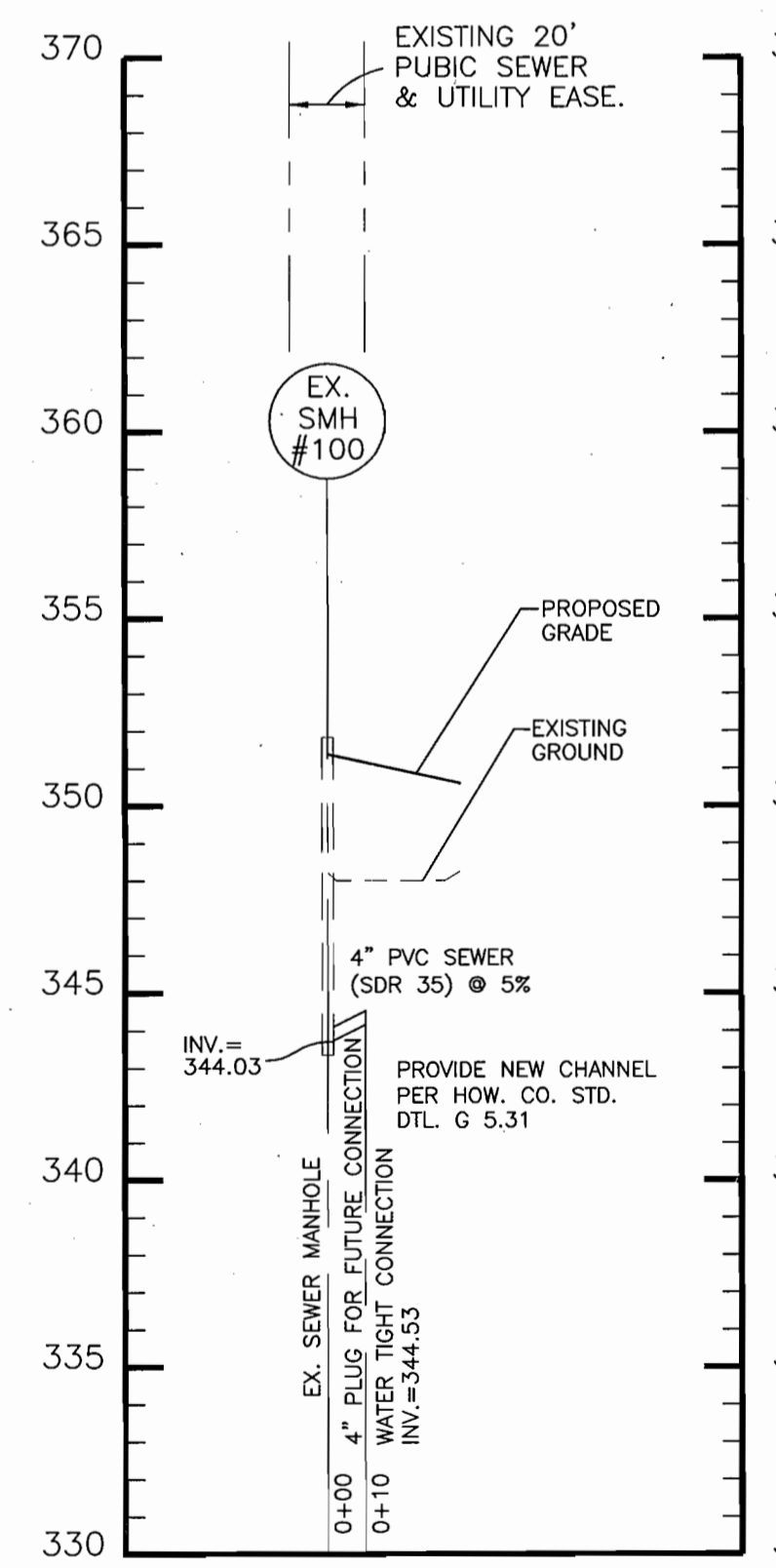
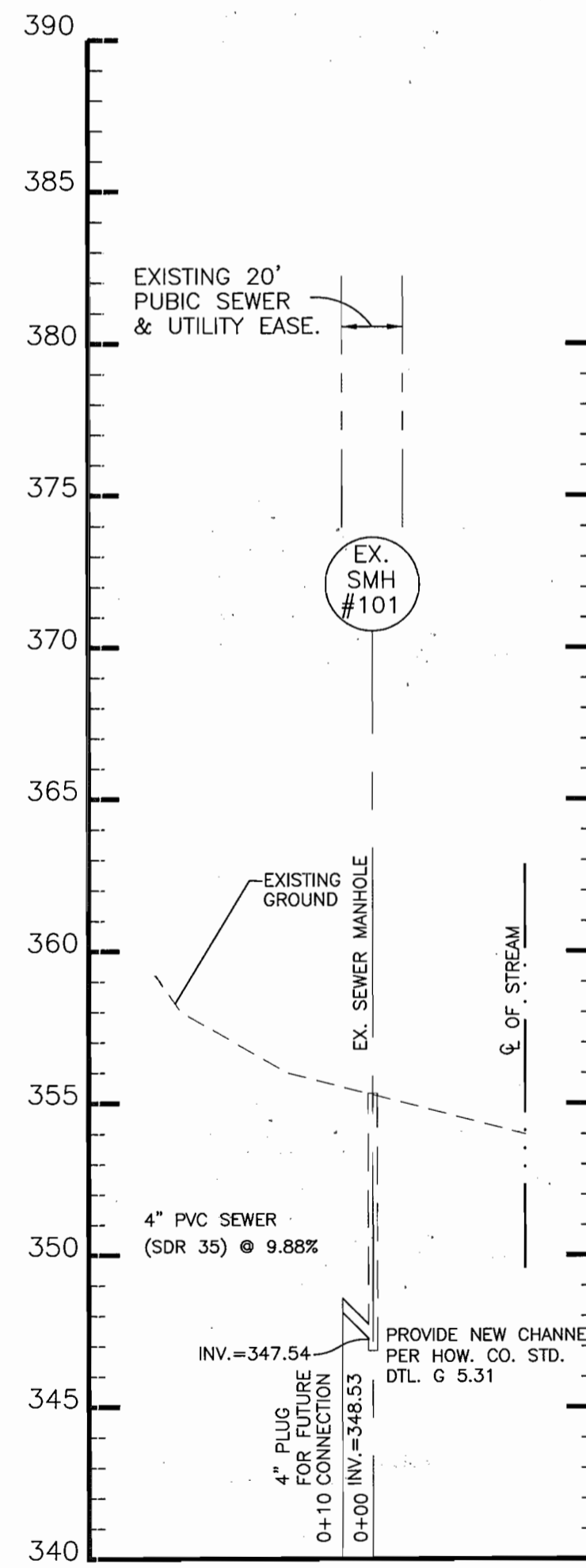
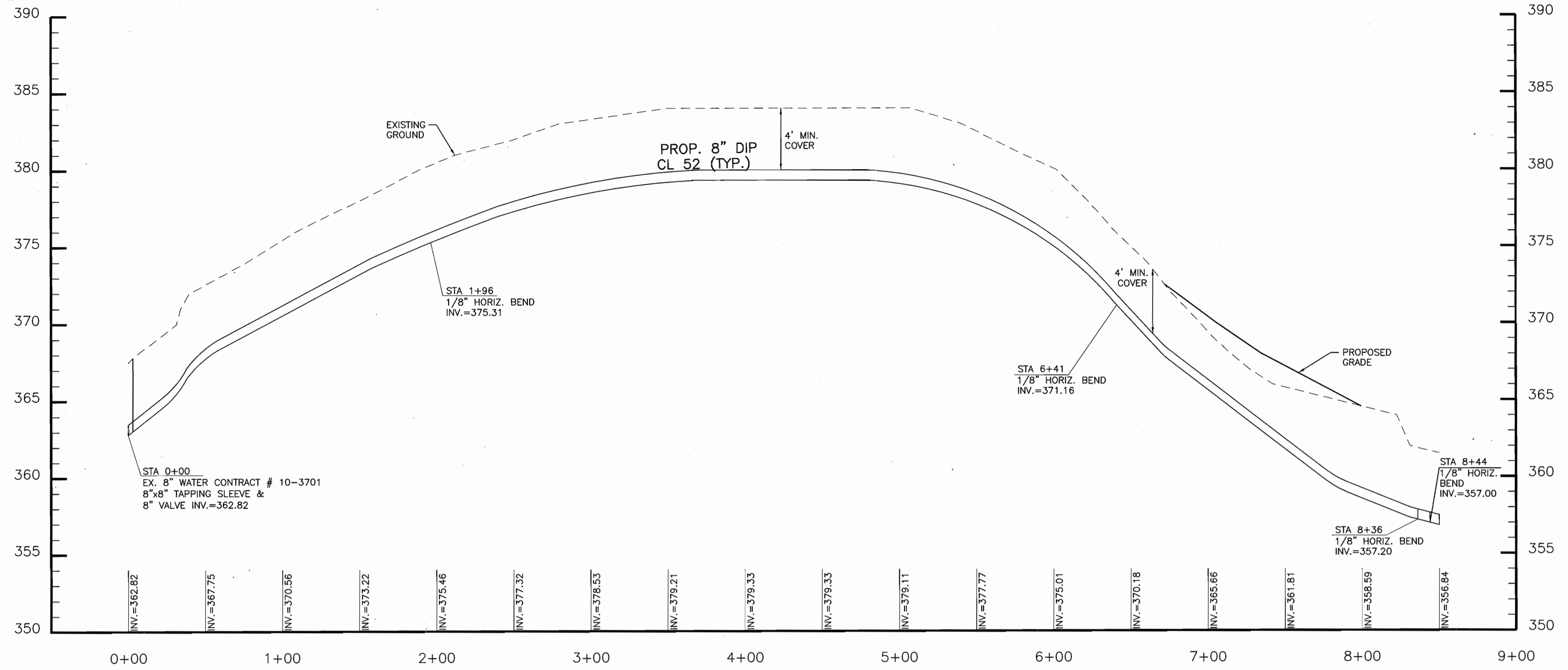
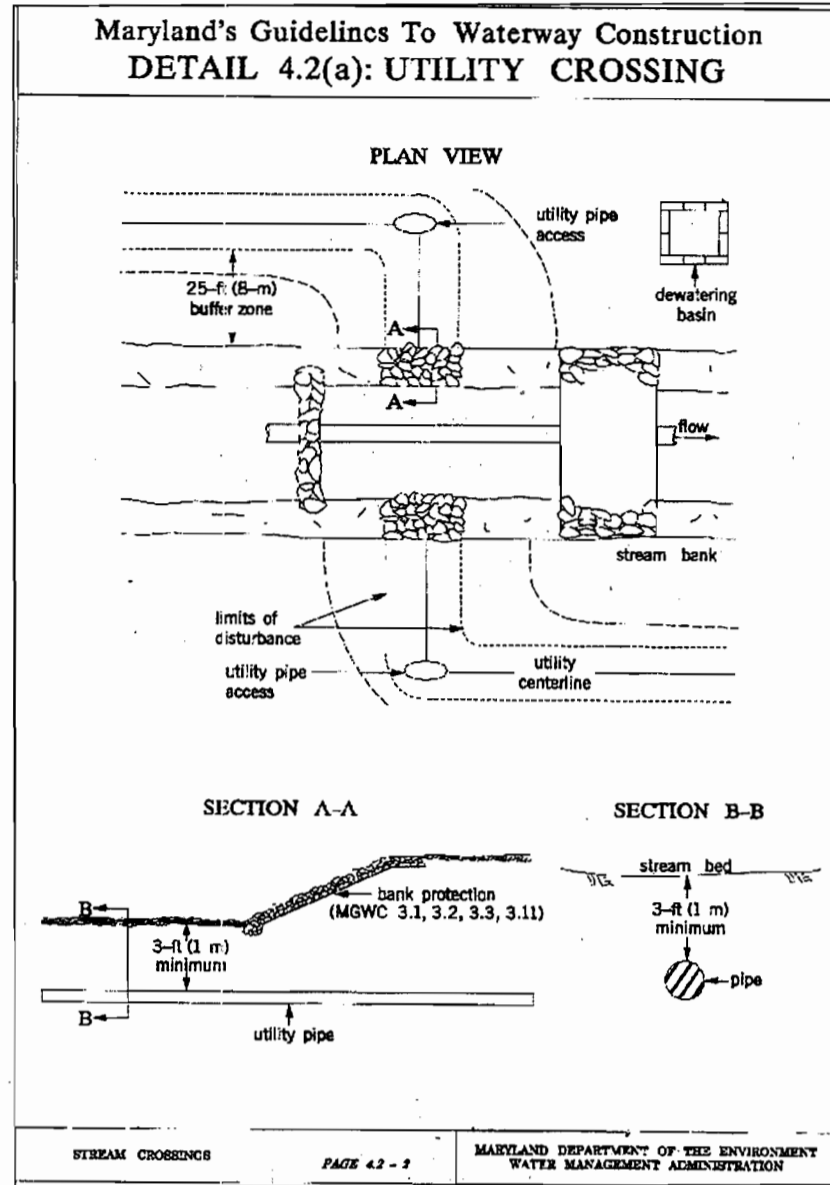
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DRN: J.S.					
CHK: V.L.D.					
DATE: AUG 2002	BY	No.	REVISION	DATE	

WATER AND SEWER PLAN
POD-C

PUBLIC WATER AND SEWER PLANS
MEADOWBROOK PARK

CONTRACT # 24-3995-D
TAX MAP 30 BLOCK 5 PARCELS 383 & 387
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE 1"=50'
SHEET 4 OF 6



Plot Date and Time: Aug 22, 2002, 2:56pm

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Ruth Davis 10-21-02
CHIEF, BUREAU OF UTILITIES

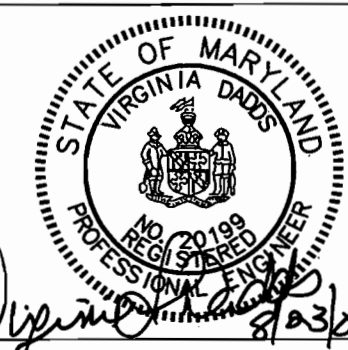
DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

John Damm 11/12/02
CHIEF, DEVELOPMENT ENGINEERING DIVISION

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ANNAPOLIS, MARYLAND 21401
(410) 267-8621
Fax (410) 267-9932

ANNAPOLIS CENTREVILLE ELKTON PRINCE FREDERICK SALISBURY



DES: J.S.			
DRN: J.S.			
CHK: V.L.D.			
DATE: AUG 2002	BY	No.	REVISION

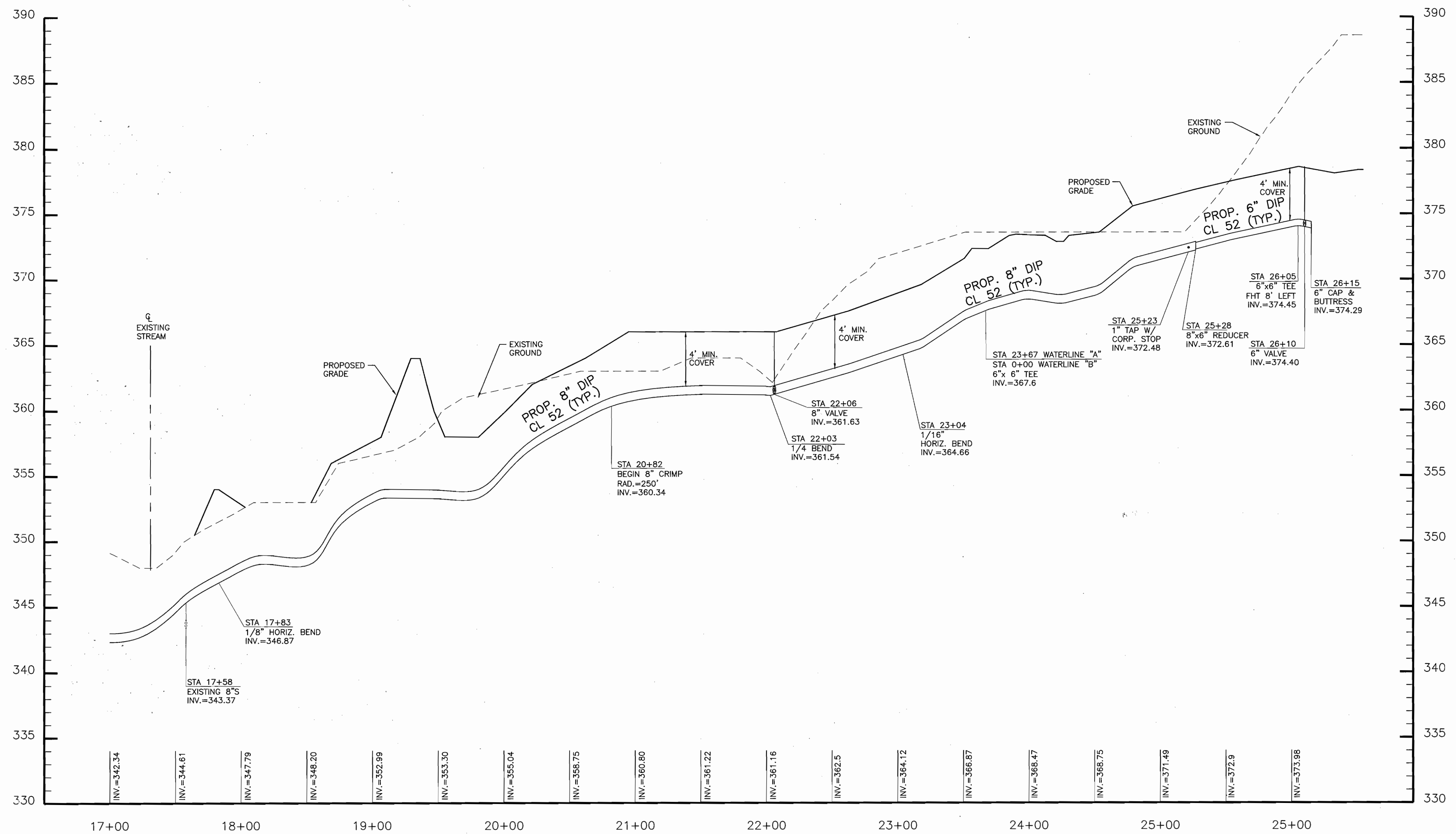
WATER AND SEWER
PROFILES

PUBLIC WATER AND SEWER PLANS
MEADOWBROOK PARK

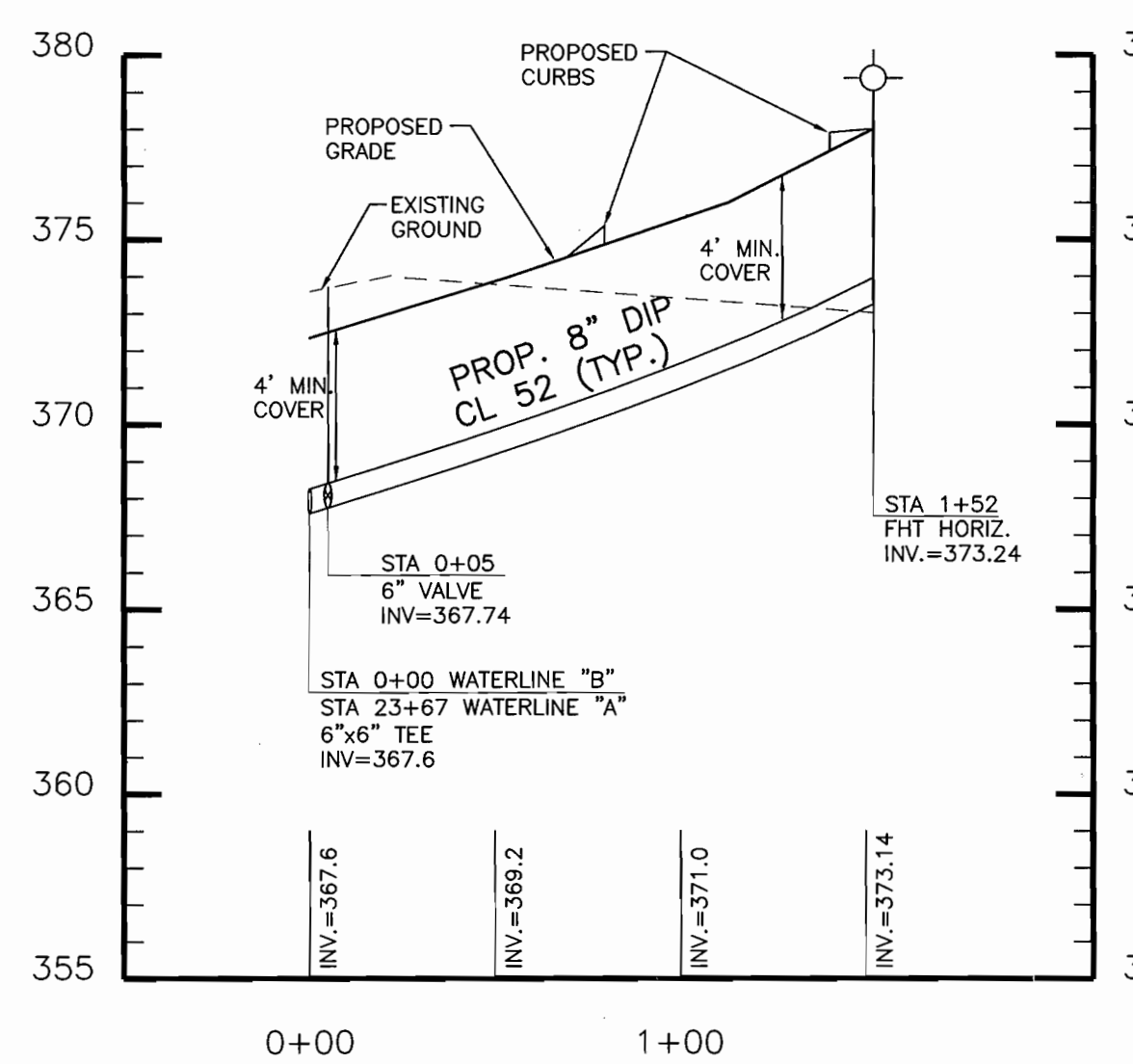
CONTRACT # 24-3995-D
TAX MAP 30 BLOCK 5 PARCELS 383 & 387
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE
1"=50'

SHEET
5 OF 6



WATERLINE 'A' PROFILE
SCALE: 1"=50' HORIZONTAL; 1"=5' VERTICAL



WATERLINE 'B' PROFILE
SCALE: 1"=50' HORIZONTAL; 1"=5' VERTICAL

Plot Date and Time: Aug 22, 2002 - 2:55pm

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
R. J. D.
19-21-02
DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
W. J. D.
8/14/02
DATE

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LAND PLANNING & SURVEYING & CONSTRUCTION SERVICES
20 RIDGELY AVENUE
ANNAPOLIS, MARYLAND 21401
(410) 267-8621
Fax (410) 267-9932
ANNAPOLIS CENTREVILLE ELKTON PRINCE FREDERICK SALISBURY



DES: J.S.					
DRN: J.S.					
CHK: V.L.D.					
DATE: AUG 2002	BY	No.	REVISION	DATE	

WATER PROFILES

**PUBLIC WATER AND SEWER PLANS
MEADOWBROOK PARK**
CONTRACT # 24-3995-D
BLOCK 5 PARCELS 383 & 387
TAX MAP 30
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SHEET 6 OF 6

CADD FILE: G:\1010081 - Meadowbrook Park\Dwg\UTILITY\06-WATER-PROFILE.dwg

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