

QUANTITIES

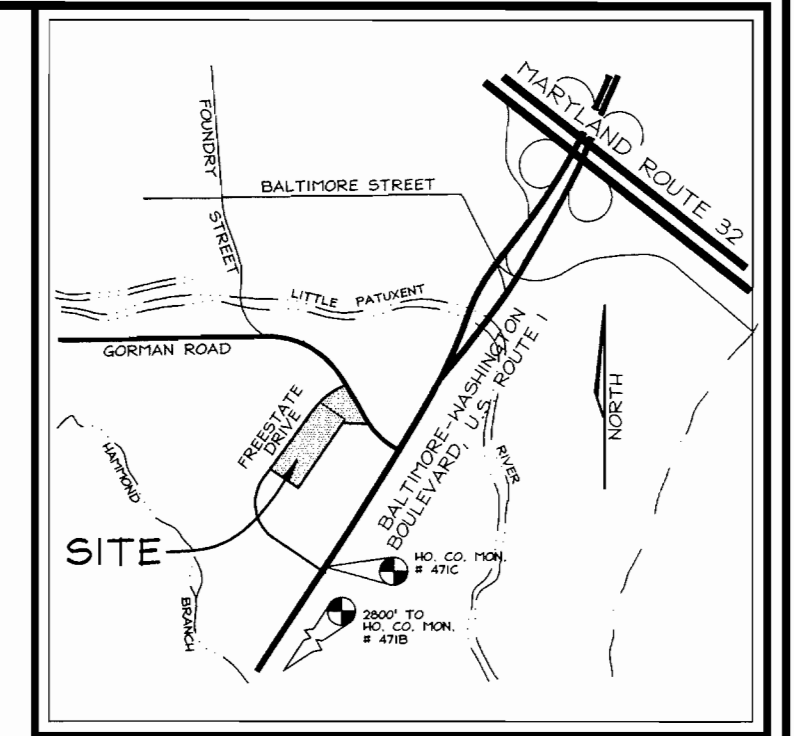
NAME OF UTILITY CONTRACTOR :		AS-BUILT		
SURVEY AND DRAFTING DIVISION AS-BUILT DATE :				
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" VALVE	4			
6" VALVE	1			
4" VALVE	1			
8"X8" TEE	1			
8"X6" TEE	1			
8"X4" TEE	1			
FIRE HYDRANT	5			
8" CAP & BUTTRESS	2			
4" CAP & BUTTRESS	1			
4" WHC	10 LF			
8" WHC	10 LF			
6" WATER	194 LF			
8" WATER	1089 LF			
6" 1/8VB	2			
8" 1/8HB	1			

PUBLIC WATER PLANS FREESTATE PARCELS A-5 AND A-6 HOWARD COUNTY, MARYLAND CONTRACT NO. 44-3774-D

BENCHMARKS

R/W MONUMENT
REBAR & CAP
NW SIDE OF DORSEY HALL DR. CUL-DE-SAC
ELEV. 361.36

R/W MONUMENT
REBAR & CAP
NE SIDE OF DORSEY HALL DR. CUL-DE-SAC
ELEV. 361.41



VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

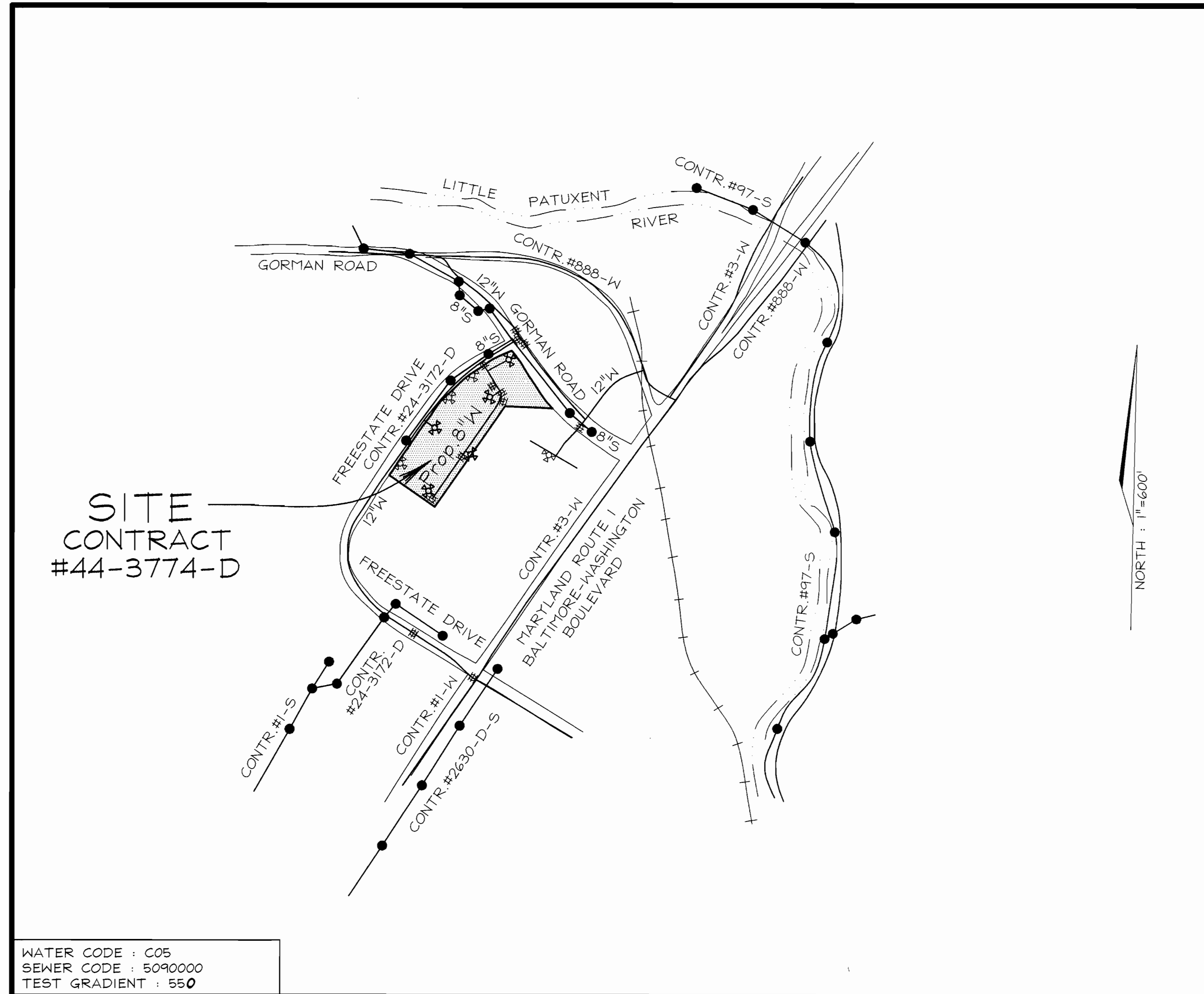
PART I

- 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 CONTRACTORS 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 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 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 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.
- 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. & CO. CONTRACTOR SERVICES	850-4620
B.G. & CO. UNDER GROUND DAMAGE CONTROL	787-9068
MISS UTILITY	1-800-257-7777
COLONIAL PIPELINE CO.	795-1390
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BUREAU OF UTILITIES	313-4900
- 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 LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONSTRUCTION OF THE MAIN.
- 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 18.14(a) OF THE HOWARD COUNTY CODE.

PART II - WATER

- 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 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.



WATER CODE : C05
SEWER CODE : 5090000
TEST GRADIENT : 550

LOCATION PLAN
SCALE : 1"=600'

TYPE OF BUILDING:	COMMERCIAL
NO. OF LOTS/PARCELS:	2
NO. OF WATER HOUSE CONNECTIONS:	2
NO. OF SEWER HOUSE CONNECTIONS:	0
DRAINAGE AREA:	LITTLE PATUXENT
TREATMENT PLANT:	PATUXENT

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH SITE DEVELOPMENT PLAN SDP 99-119

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.	OWNER/DEVELOPER Lincoln Freestate, LLC c/o Lincoln Property Company 1530 Wilson Boulevard Suite 200 Arlington, Virginia 22209 Tel. No. (703) 522-4600
Signature: <i>John Robertson</i> DATE: 10/29/99	Signature: <i>Carol Simmons</i> DATE: 10/29/99	

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Signature: *Robert Sumner*
11-2-99
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

Signature: *John P. ...*
11/4/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION

VOGEL & ASSOCIATES
ENGINEERS-SURVEYORS-PLANNERS

3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966

STATE OF MARYLAND
PROFESSIONAL ENGINEER
ROBERT H. VOGEL, P.E. NO. 16193

DES:	PS			
DRN:	PS			
CHK:	GAH			
DATE:	Oct. 1999	BY NO.		
REVISION		DATE		

TITLE SHEET

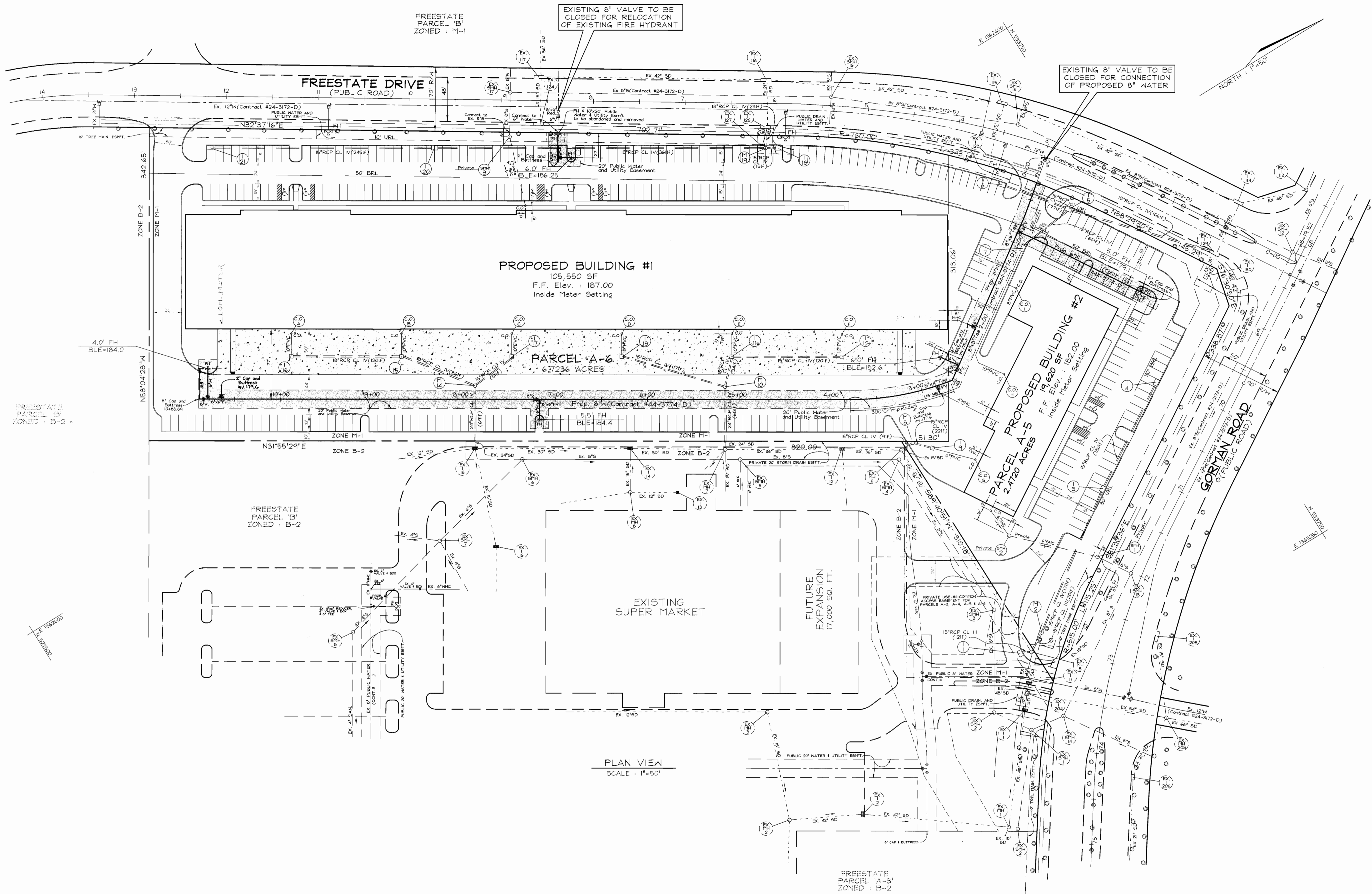
600' SCALE MAP NO. 47 BLOCK NO. 17

FREESTATE
PARCELS A-5 AND A-6
CONTRACT No. 44-3774-D

6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 1 OF 3



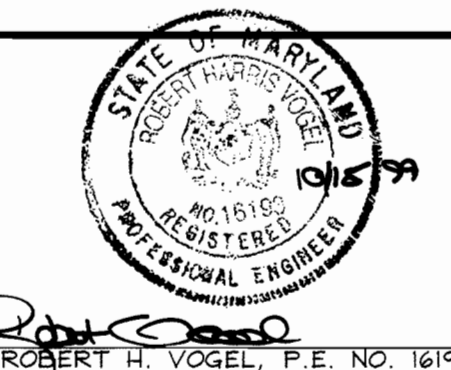
PLAN VIEW
SCALE: 1"=50'

OWNER/DEVELOPER
Lincoln Freestate, LLC
c/o Lincoln Property Company
1530 Wilson Boulevard
Suite 200
Arlington, Virginia 22209
Tel. No. (703) 522-4600

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

VOGEL & ASSOCIATES
ENGINEERS-SURVEYORS-PLANNERS
3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966



DES: PS
DRN: PS
CHK: GAH

DATE: Oct. 1999

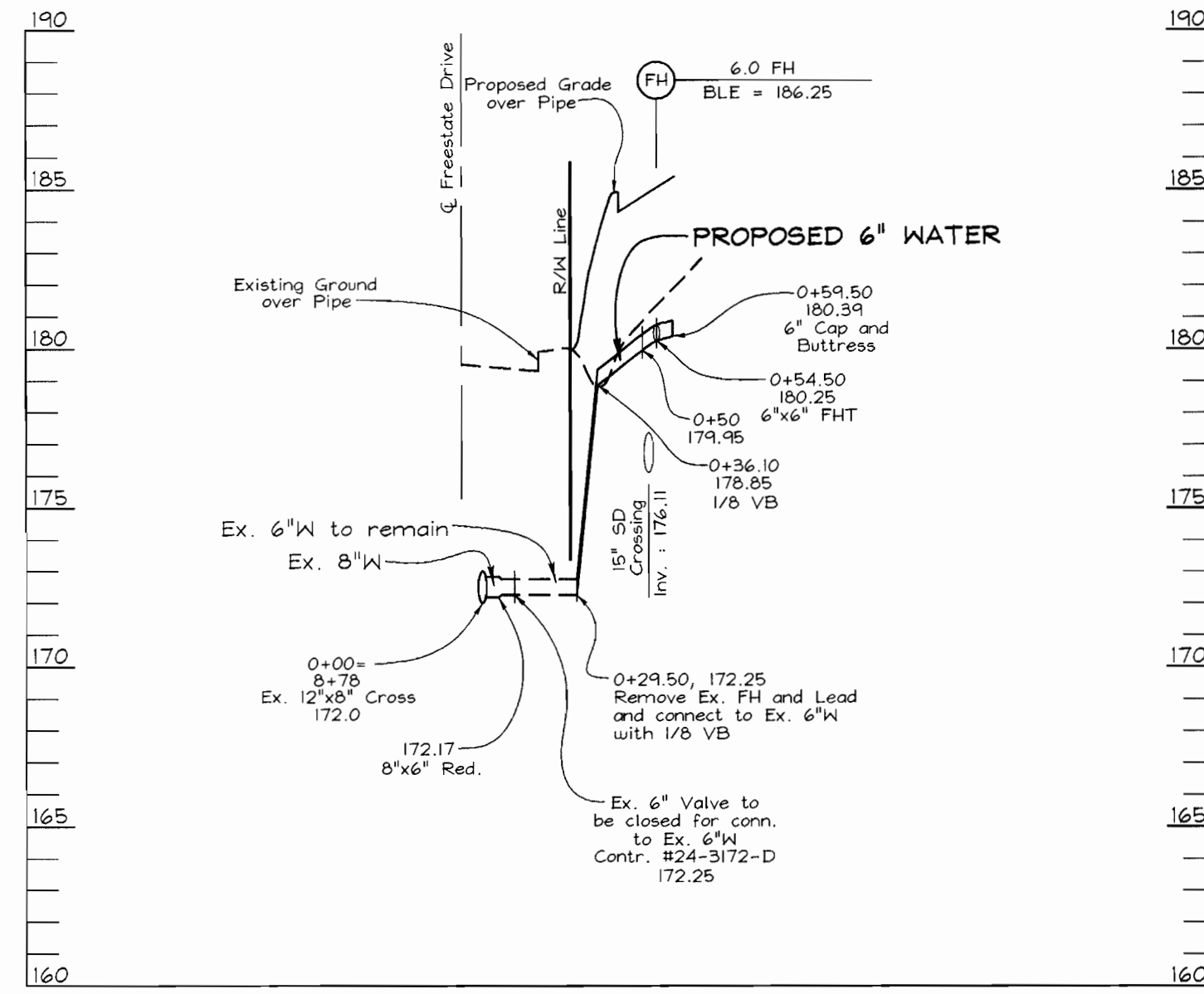
BY	NO.	REVISION	DATE

WATER PLAN

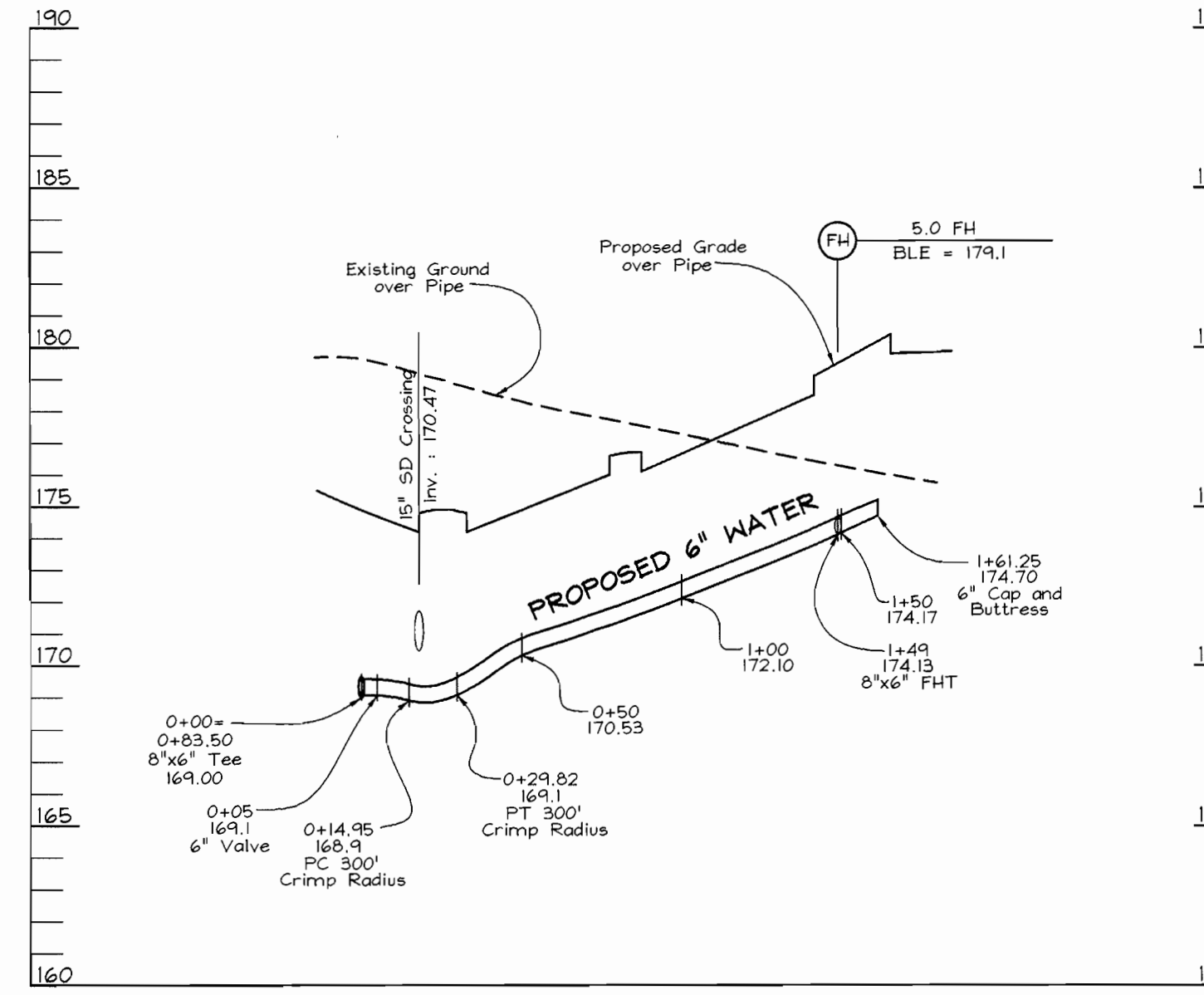
FREESTATE
PARCELS A-5 AND A-6
CONTRACT No. 44-3774-D

6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

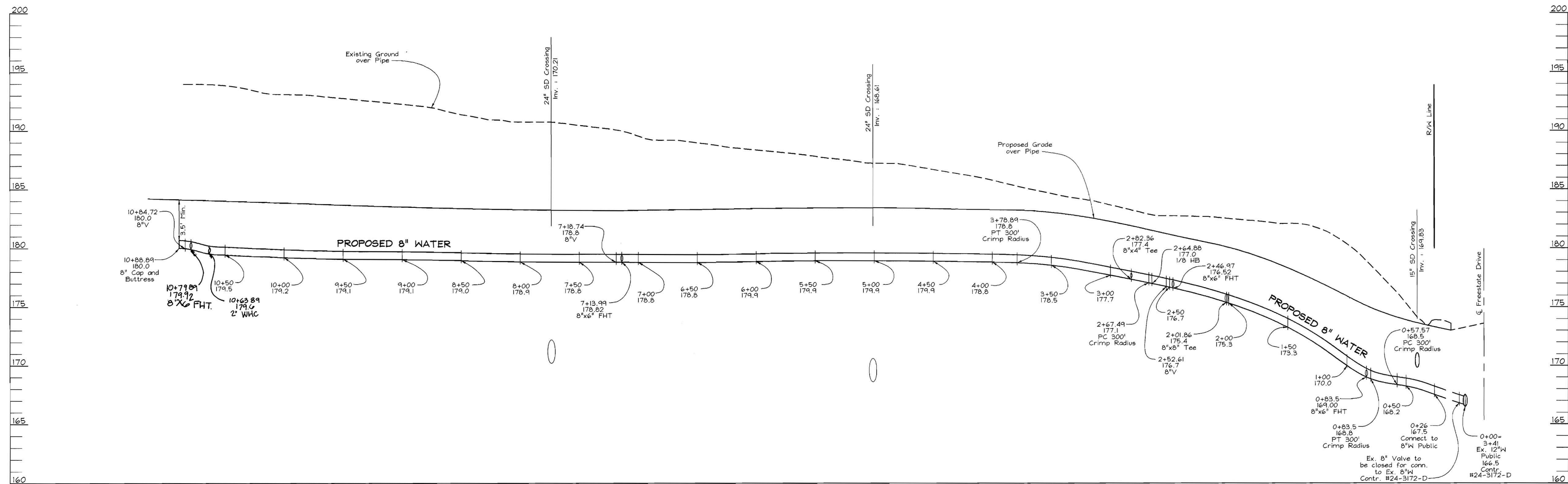
SCALE AS SHOWN
SHEET 2 OF 3



WATER PROFILES
SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'



WATER PROFILES
SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'



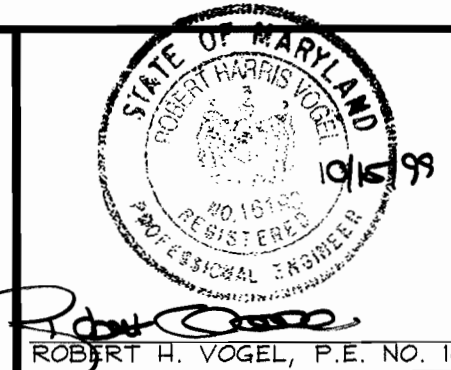
WATER PROFILES
SCALE: HORIZONTAL - 1"=50'
VERTICAL - 1"=5'

OWNER/DEVELOPER
Lincoln Freestate, LLC
c/o Lincoln Property Company
1530 Wilson Boulevard
Suite 200
Arlington, Virginia 22204
Tel. No. (703) 522-4600

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

VAVOGEL & ASSOCIATES
ENGINEERS-SURVEYORS-PLANNERS
3691 Park Avenue, Suite 101 • Ellicott City, Maryland 21043
Tel 410.461.5828 Fax 410.465.3966



DES: PS					
DRN: PS					
CHK: GAH					
DATE: Oct. 1999	BY NO.	REVISION	DATE	600' SCALE MAP NO. 47	BLOCK NO. 17

WATER PROFILES

FREESTATE
PARCELS A-5 AND A-6
CONTRACT No. 44-3774-D

SCALE AS SHOWN
SHEET 3 OF 3

6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND