

WATER AND SEWER MAIN EXTENSIONS

NORTH RIDGE ROAD & CARLS COURT

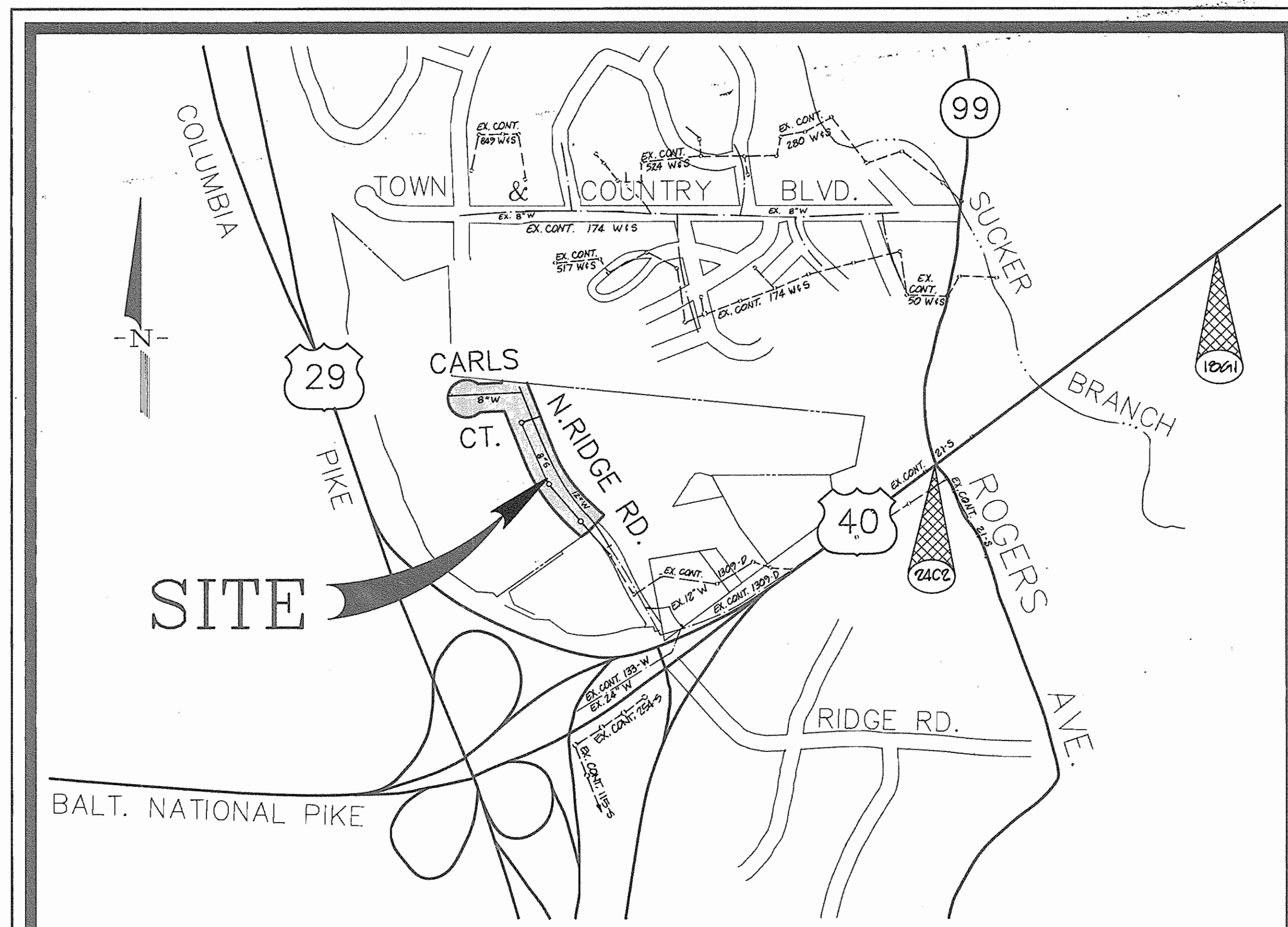
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. 14-3453-D

GENERAL NOTES

- 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.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY 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 THE 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 OWNED 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 \oplus 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.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION: 531-5533
 - BALTIMORE GAS & ELECTRIC CO.-CONTRACTOR SERVICES: 850-4620
 - BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL: 787-9068
 - BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING: 298-9001
 - MISS UTILITY: 1-800-257-7777
 - COLONIAL PIPELINE COMPANY: 795-1390
 - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS: 313-4900
 - C & P TELEPHONE COMPANY: 1-800-257-7777
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 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.
- 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 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.

SHEET INDEX	
NO	DESCRIPTION
1	TITLE SHEET
2	WATER AND SEWER MAIN EXTENSION PLAN
3	WATER AND SEWER MAIN EXTENSION PROFILE

QUANTITIES					
ITEM	QUANTITIES EST'D	QUANTITIES	AS-BUILT		
			TYPE	SUPPLIER/MANUFACTURER	
1	8" S	838 LF	838	PVC	J.M.
2	SEWER MH	3 EACH	3		ATLANTIC CONC PRODUCTS
3	12" W	1028 LF	1028	DIP	ATLANTIC STRIPES
4	8" W	483 LF	483	"	"
5	6" W	115 LF	115	"	"
6	8" V	5 EACH	5		MUELLER CO.
7	6" V	4 EACH	4		"
8	FH	4 EACH	4		"
9	12" x 8" T	4 EACH	4		TYLER
10	12" x 6" FHT	3 EACH	3		"
11	8" x 6" FHT	1 EACH	1		"
12	12" PLUG+ BUTTRESS	1 EACH	1		"
13	8" PLUG+ BUTTRESS	1 EACH	1		"
14	1/32 HB	1 EACH	1		"
15	12" V	1 EACH	1		MUELLER CO.
16			5		
17					
18	NAME OF UTILITY CONTRACTOR:		GAINES INC.		
	CHECKBOX:				
	AS-BUILT DATE:				
	SURVEY AND DRAFTING DIVISION				



VICINITY MAP
SCALE: 1" = 600'

WATER AND SEWER CODE
COUNTY USE

WATER NO. : FO3

TEST GRADIENT : 700

SEWER NO.S : 1452800

TYPE OF BUILDING: COMMERCIAL/RESIDENTIAL
DRAINAGE AREA : PATAPSCO
TREATMENT PLANT: PATAPSCO

NO. OF LOTS : 0
BUILDABLE LOTS : 0 OPEN SPACES : 0
NO. OF SHC : 0
NO. OF WHC : 0

PLAN REFERENCE NUMBERS	
S-95-01	P-95-21
ZB 941	F-96-01



Coordinates based on NAD '83 Maryland Coordinate System as projected by Howard County Geodetic Control Stations:
 No. 18G1 N 589,984.959 Elev. 408.542
 E 1,397,750.237
 No. 24C2 W 588,848.316 Elev. 354.930
 E 1,366,028.135
 (Meters X 3.280833333 = Feet; Feet X 0.3048006096 = Meters)

DES:	MWZ			
DRN:	MWZ			
CHK:	RAM			
PROJ. #	95004-20	MWZ	1	REVISED PER DEP COMMENTS/SUBMITTED ORIGINALS FOR SIGNATURE 10/12/95
		MWZ	0	SUBMITTED TO DPZ FOR REVIEW 9/25/95
DATE:	7/12/94	BY	NO.	REVISION

TITLE SHEET

NORTH RIDGE ROAD & CARLS COURT
CONTRACT NO. 14-3453-D
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 1 OF 3

(AS-BUILT) 9-3-97

3453 ws/1 North Ridge Rd. & Carls Ct.

SEDIMENT CONTROL MEASURES 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 AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN

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

Patricia Engler 10/25/95
U.S. NATURAL RESOURCES CONSERVATION SERVICES DATE

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

APPROVED BY *John R. Patten* 10/25/95
HOWARD SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

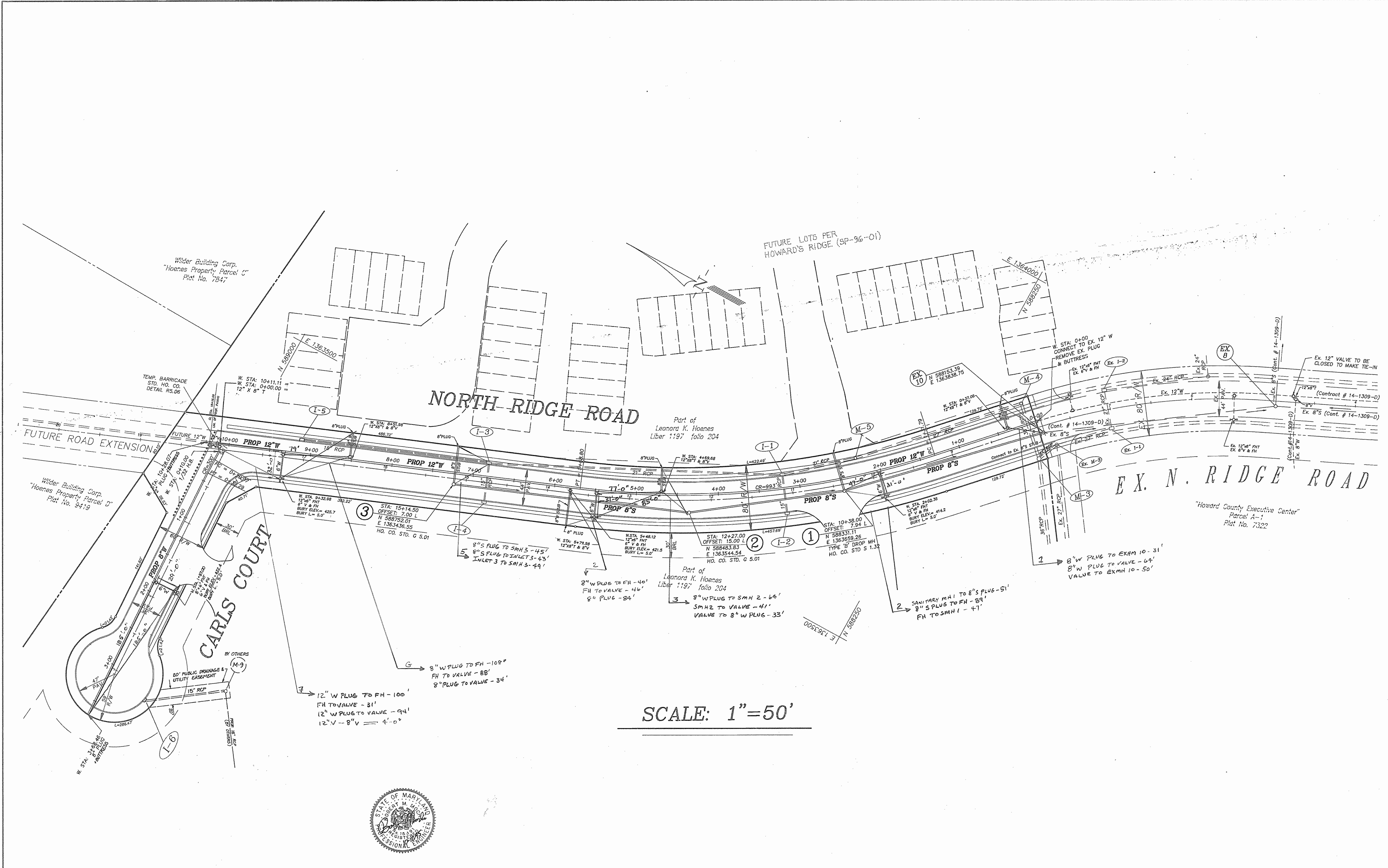
Michael A. Stovani 10/18/95
CHIEF BUREAU OF UTILITIES RMB DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

Howard M. ...
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

R.M. MOCHI GROUP, P.C.
3300 N. Ridge Road, Suite 235 (410) 461-0079
Ellicott City, MD 21043-3350 Fax: (410) 750-6340

3453 ws/2 North Ridge Rd & Carls Ct.



SCALE: 1"=50'



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Michael A. ... 12/18/95
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
... 12/20/95
CHIEF, DEVELOPMENT ENGINEERING DIVISION

R.M. MOCHI GROUP, P.C.
3300 N. Ridge Road, Suite 235
Ellicott City, MD 21043-3305
(410) 461-0079
Fax: (410) 750-6340

DES:	MWZ	
DRN:	MWZ	
CHK:	RMM	
PROJ. #	MWZ 1	REVISED PER REP COMMENTS / SUBMITTED ORIGINALS FOR SIGNATURE 10/12/95
	MWZ 0	SUBMITTED TO DPZ FOR REVIEW 9/25/95
DATE:	7/12/94	

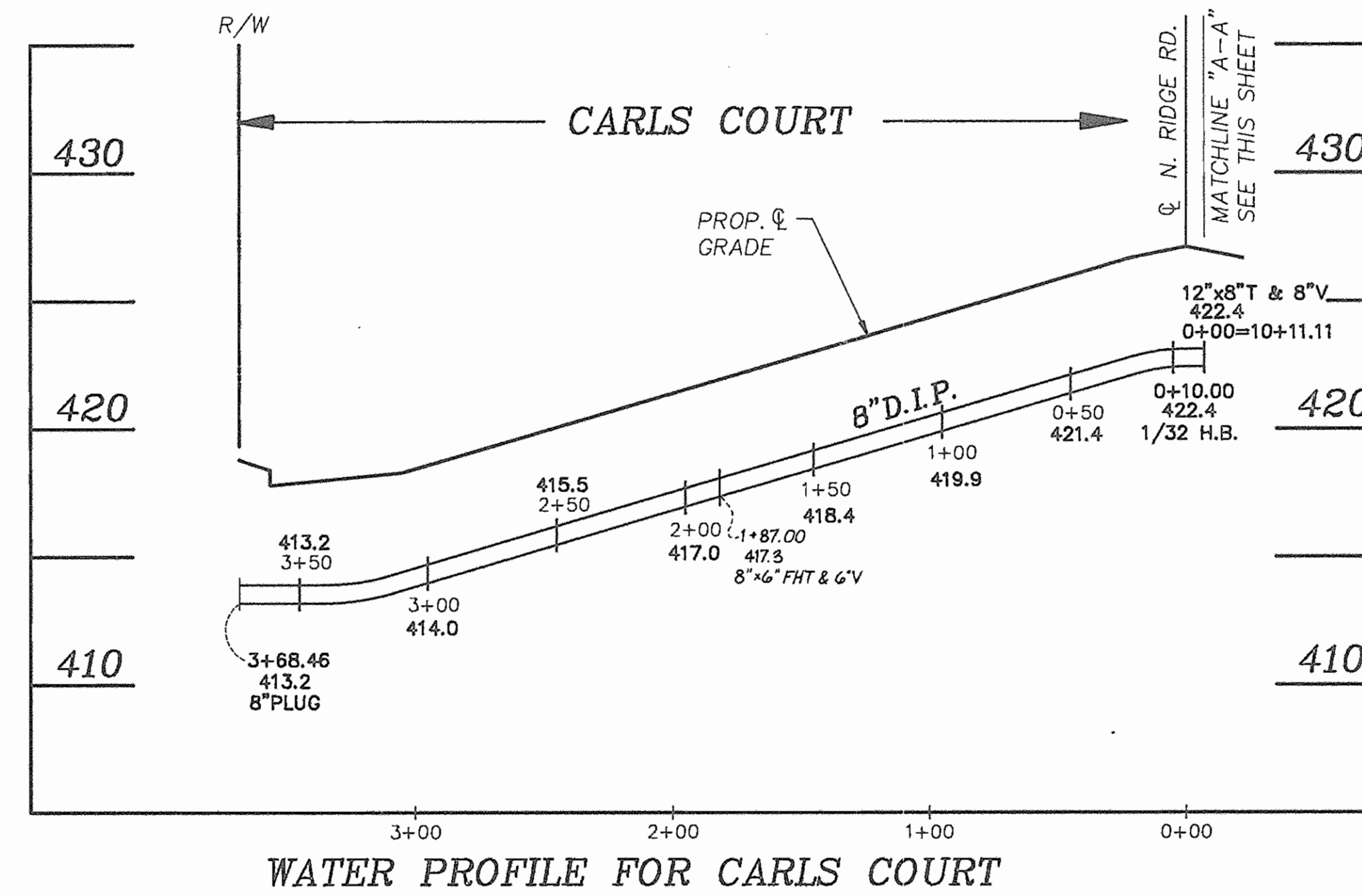
WATER AND SEWER MAIN
EXTENSION PLAN
600' SCALE MAP NO. 24 BLOCK NO. 6

NORTH RIDGE ROAD &
CARLS COURT
CONTRACT NO. 14-3453-D
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

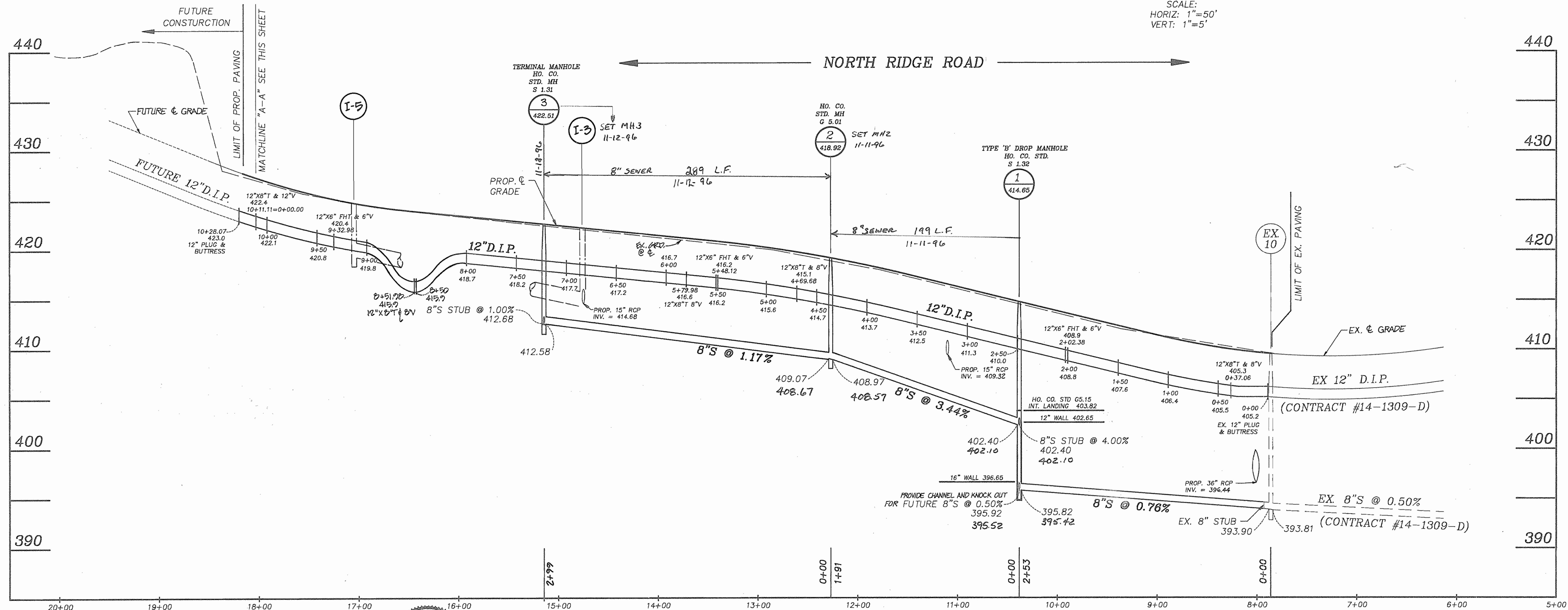
SCALE
1"=50'
SHEET
2 OF 3

(AS-BUILT) 4-3-97

3453 ws/3 North Ridge Rd & Carls Ct.



SCALE:
HORIZ: 1"=50'
VERT: 1"=5'



WATER AND SEWER MAIN PROFILE FOR NORTH RIDGE ROAD

SCALE:
HORIZ: 1"=50'
VERT: 1"=5'



DES:	MWZ				
DRN:	MWZ				
CRK:	MMZ	2	REMOVED PER DEP REVIEW COMMENTS	4/16/92	
PROJ #	95004-20	1	REVISED PER DEP COMMENTS/SUBMITTED ORIGINALS FOR SIGNATURE	12/12/95	
DATE:	7/12/94	0	SUBMITTED TO DPZ FOR REVIEW	9/28/95	
BY:	NO.		REVISION		

WATER AND SEWER MAIN EXTENSION PROFILE

NORTH RIDGE ROAD & CARLS COURT
CONTRACT NO. 14-3453-D
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 3 OF 3

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Michael A. ... 10/18/95
CHIEF BUREAU OF UTILITIES RAMP DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
... 10/18/95
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

R.M. MOCHI GROUP, P.C.
3300 N. Ridge Road, Suite 235
Ellicott City, MD 21043-3305
(410) 481-0079
Fax: (410) 750-6340

500' SCALE MAP NO. 24 BLOCK NO. 6

(AS-BUILT) 9-3-97