

WATER AND SEWER MAIN EXTENSIONS TURF VALLEY - PGCC-1

PGCC-1 Subdistrict Parcel C, Area 1-C

PHASE I - LOTS 1,2,69-77, 96-104

3rd ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

CONTRACT NO. 24-3318-D

GENERAL NOTES

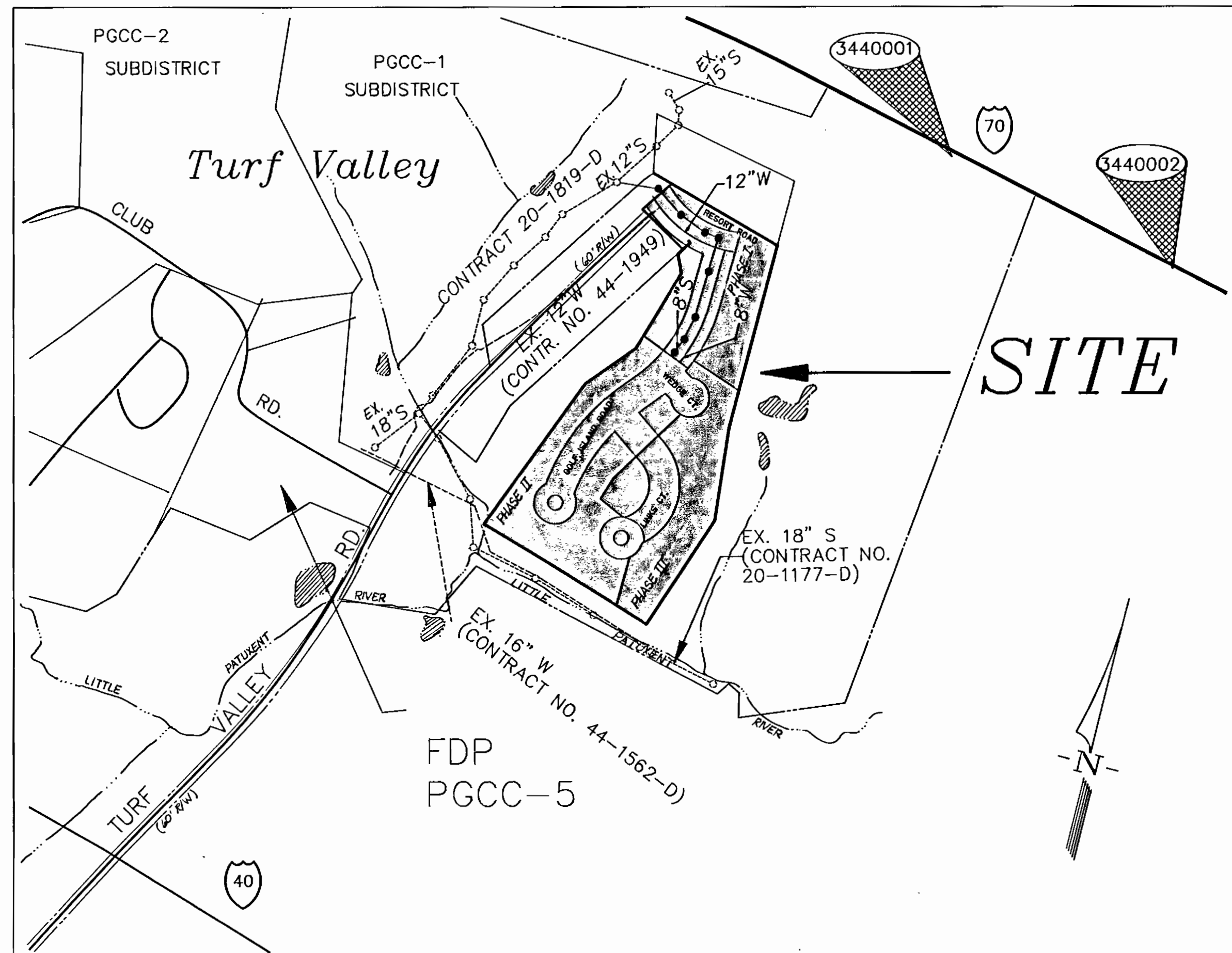
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL 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 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(a) OF THE HOWARD COUNTY CODE.

SHEET INDEX	
NO	DESCRIPTION
1	TITLE SHEET
2	WATER AND SEWER MAIN PLAN
3	WATER AND SEWER MAIN PROFILES
4	WATER AND SEWER MAIN PROFILES

QUANTITIES				
ITEM	QUANTITIES EST'D	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER/MANUFACTURER
12" W DIP	838 L.F.	874	CL 52 T.J.	ATLANTIC STATES/ML WANE INC
8" W DIP	817 L.F.	821	CL 52 T.J.	ATLANTIC STATES/ML WANE INC
6" W	20 L.F.	20	CL 52 T.J.	ATLANTIC STATES/ML WANE INC
1" WHC	245 L.F.	270	TYPE K CENTER	CONRADSON WEE/ML WANE INC
3/4" WHC	147 L.F.	152	TYPE K CENTER	"
12" V	4 EACH	4	6" 500 A 12x 5.0 B	"
8" V	2 EACH	2	6" 500 A 12x 5.0 B	"
6" V	2 EACH	2	6" 500 A 12x 5.0 B	"
FIRE HYDRANT	2 EACH	2	6" 500 A 12x 5.0 B	"
8" S	1200 L.F.	1278	6" 500 A 12x 5.0 B	"
4" SHC	392 L.F.	377	6" 500 A 12x 5.0 B	"
4" MANHOLE	8 EACH	8	ASPCA 5-518	ATLANTIC CONCRETE PRODUCTS INC
8" S (BLT. Q. 52)	122 L.F.	172	CL 52 T.J.	ATLANTIC STATES/ML WANE INC

NAME OF UTILITY CONTRACTOR: GAINES AND CO. INC

CHECKBOX:
AS-BUILT DATE: 11/10/94
SURVEY AND DRAFTING DIVISION



VICINITY MAP

SCALE: 1" = 600'

WATER AND SEWER CODE COUNTY USE WATER NO. : H07 TEST GRADIENT : 780.00 SEWER NO.S : 5992500	TYPE OF BUILDING: RESIDENTIAL DRAINAGE AREA : LITTLE PATUXENT TREATMENT PLANT: PATAPSCO VIA ROUTE 108 PUMPING STATION NO. OF LOTS : 20 BUILDABLE LOTS: 16 OPEN SPACES : 4 NO. OF SHC : 16 NO. OF WHC : 16
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NOTE: SURVEY CONTROL IS BASED ON NAD '27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS:

NO. 3440001	N 534735.478	ELEV. 486.341
	E 835285.297	
NO. 3440002	N 833593.800	ELEV. 482.306
	E 837983.249	

WATER NOTES

- 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 STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE 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 SETTINGS, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.

SEWER NOTES

- ALL SEWER MAINS SHALL BE D.I.P., R.C.P., V.C.P.X., R.C.C.P., AND P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVERS STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE 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.



3318 WS/1 TURF VALLEY - PGCC-1 wfs main ext. (PHASE I)

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/63 5/17/94
U.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED: *Hubert W. Selig* 5/19/94
HOWARD SOIL CONSERVATION DISTRICT DATE

PLAN REFERENCE NUMBERS	
S-86-13	S-92-15
FDP PGCC-1	P-93-10
F 94-06	P-05-10

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James J. Lewis 5/10/94
DIRECTOR OF PUBLIC WORKS DATE

Charles J. Repom 5/10/94
CHIEF, BUREAU OF ENGINEERING DATE

Robert J. Benjamin 5-4-94
CHIEF, BUREAU OF UTILITIES DATE

John J. Damman 5/14/94
CHIEF, LAND DEVELOPMENT DIVISION DATE

MILDENBERG MOCHI & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS

3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
(410) 461-0078 D.C. Metro No. (301) 821-5768

DES.	BY	NO.	REVISION	DATE
DES: MWZ	MWZ	5	REVISED LOT NO. PER P-05-10	4/7/94
DRN: MWZ	MWZ	4	REVISED PER DPN COMMENTS SUBMITTED TO DPW FOR SIGNATURES	4/29/94
CHK: RMM	MWZ	3	SUBMITTED TO DPW FOR SIGNATURES	4/25/94
PROJ: 91012-05	MWZ	2	REVISED PER DPN COMMENTS	4/21/94
DATE: 3/4/94	MWZ	1	SUBMITTED TO DPW	3/18/94

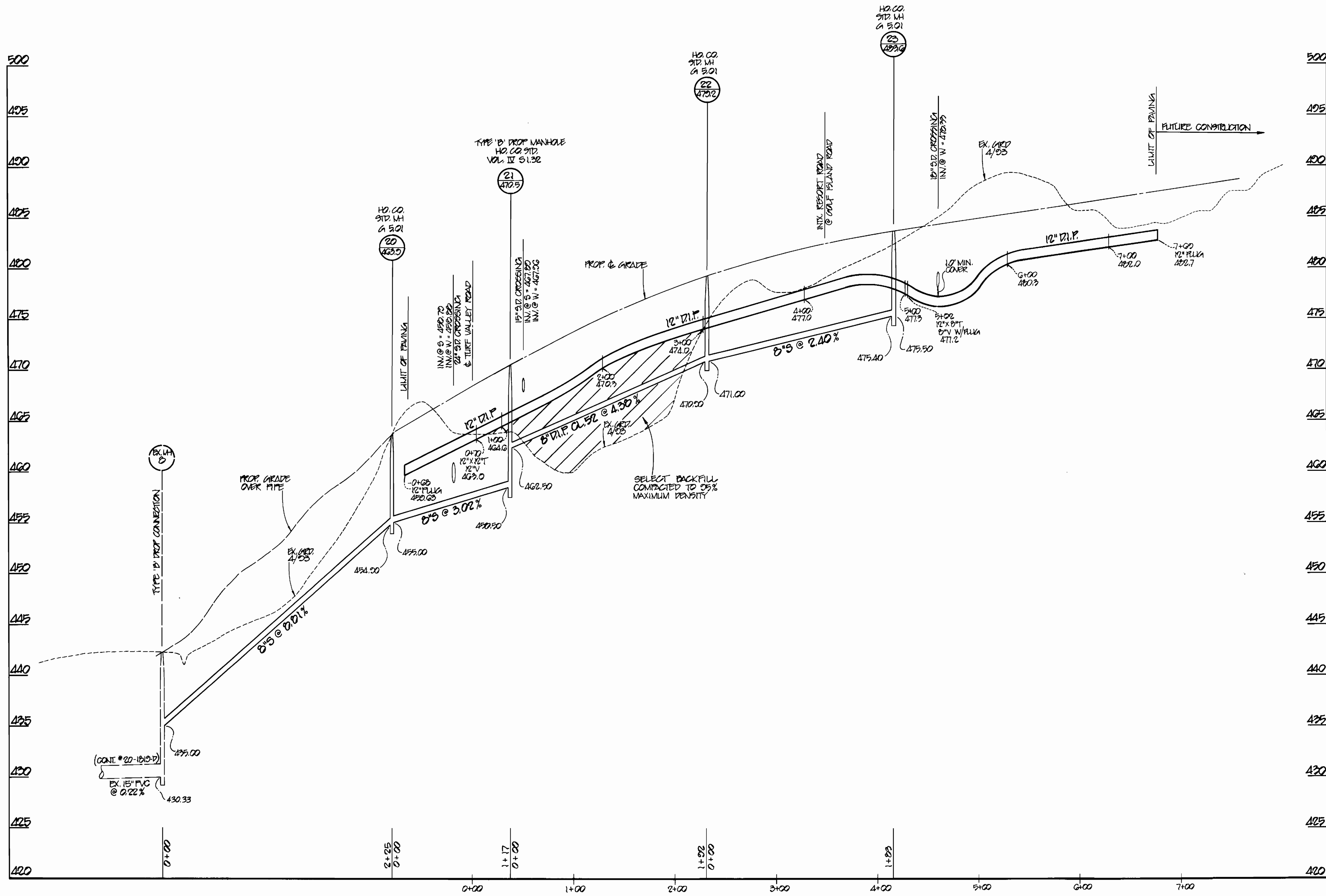
TITLE SHEET

600' SCALE MAP NO. 16 BLOCK NO. 12, 18

TURF VALLEY - PGCC-1
PGCC-1 SUBDISTRICT PARCELS C, AREA 1-C
PHASE I - LOTS 1,2,69-77 & 96-104
CONTRACT NO. 24-3318-D
ELECTION DISTRICT NO. 3
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 4

3318 WS/3 TURF VALLEY - PGCC-1 wfs main ext. (PHASE 1)



WATER AND SEWER MAIN PROFILE FOR RESORT ROAD

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



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Director of Public Works: [Signature] DATE: 5/10/24
 Chief, Bureau of Engineering

Chief, Land Development Division: [Signature] DATE: 5/10/24

MILDENBERG, MOCHI & ASSOCIATES, INC.
 ENGINEERS • SURVEYORS • PLANNERS

3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
 (410) 461-0078 D.C. Metro No. (301) 621-5768

DES.	REV.	DATE	REVISION
DES.	1	3/4/24	INITIAL
DRN.	2	4/12/24	REVISED PER DPW COMMENTS/SUBMITTED TO DPW FOR SIGNATURES
CHK.	3	4/25/24	SUBMITTED TO DPW FOR SIGNATURES
	4	4/25/24	REVISED PER DPW COMMENTS/SUBMITTED TO DPW FOR SIGNATURES
	5	4/25/24	REVISED LOT NO. PER F-05-10

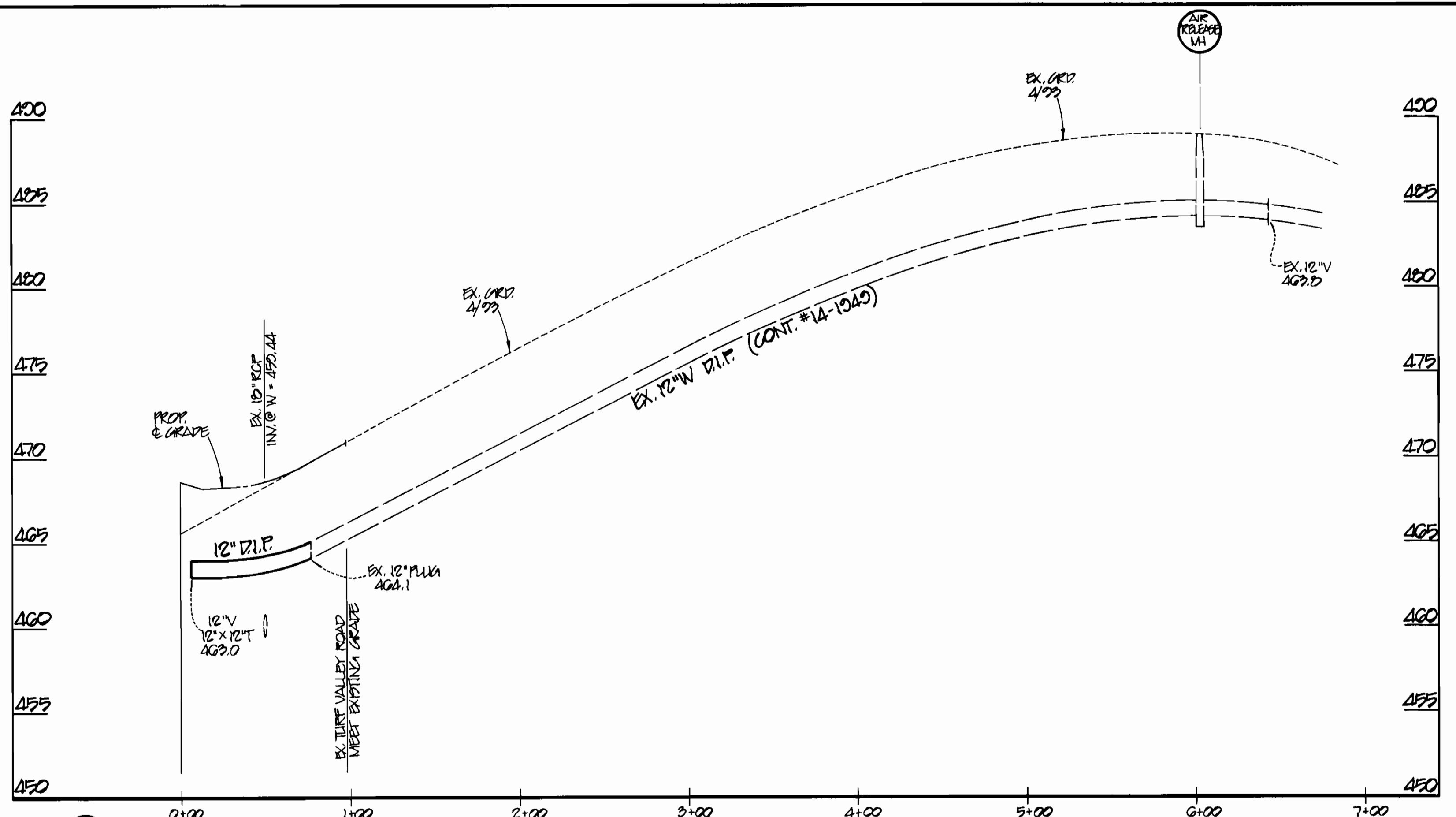
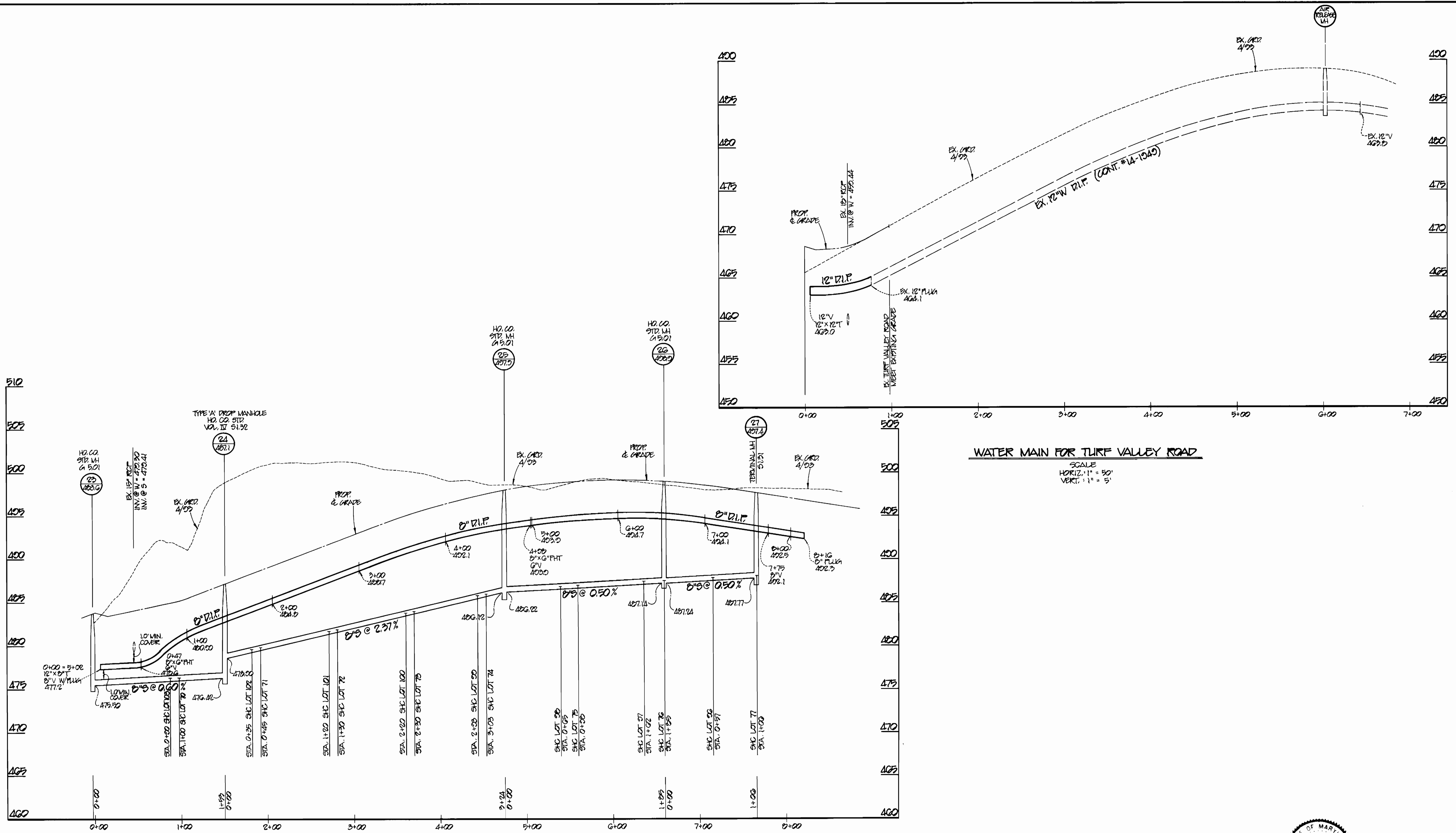
WATER AND SEWER MAIN EXTENSION PROFILE

TURF VALLEY - PGCC-1
 PGCC-1 SUBDISTRICT, PARCELS C, AREA 1-C
 PHASE 1 - LOTS 1, 2, 69-77 & 96-104
 CONTRACT NO. 24-3318-D
 ELECTION DISTRICT NO. 3
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 3 OF 4

3318 WS/4 TURF VALLEY - PGCC-1 W&S main ext. (PHASE 1)



WATER AND SEWER MAIN PROFILE FOR GOLF ISLAND ROAD

WATER MAIN FOR TURF VALLEY ROAD

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

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



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Director of Public Works: *Robert S. ...* DATE: 5/10/94
Chief, Bureau of Engineering: *...* DATE: 5/10/94
Chief, Bureau of Utilities: *...* DATE: 5-4-94
Chief, Land Development Division: *...* DATE: 5/10/94

MILDBERG MOCHI & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
3300 North Ridge Road, Suite 235, Ellicott City, Maryland 21043-3350
(410) 461-0078 D.C. Metro No. (301) 621-5768

DES:	NWZ	5	REVISED LOT NO PER F-25-40	4/7/93	
DRN:	BLP	4	REVISED PER DPW COMMENTS/SUBMITTED TO DPW FOR SIGNATURES	4/29/94	
CHK:	RMW	3	SUBMITTED TO DPW FOR SIGNATURES	4/25/94	
	NWZ	2	REVISED PER DPW REVIEW COMMENTS	4/21/94	
	NWZ	1	SUBMITTED TO DPW	3/15/94	
DATE:	3/4/94	BY:	NO.	REVISION	DATE

WATER AND SEWER MAIN EXTENSION PROFILE

600' SCALE MAP NO. 16 BLOCK NO. 12, 13

TURF VALLEY - PGCC-1
PGCC-1 SUBDISTRICT PARCELS C, AREA 1-C
PHASE 1 - LOTS 1, 2, 29-77 & 26-104
CONTRACT NO. 24-2310-D
ELECTION DISTRICT NO. 3
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 4 OF 4