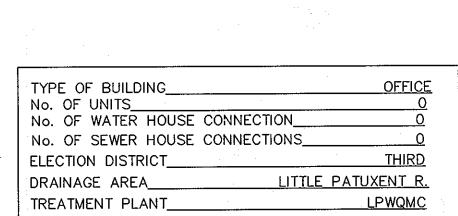
ITEMS	QUANTITIES ESTIMATED		TYPE	MANUFACTURER/SUPPLIER
1111110		QUANTITIES		
STANDARD MH (HO. CO. STD.G-5.01)	4	4 EA		NEENAH FOUNDORY/BELAIRRD
8" SEWER MAIN (D.I.P.)	205 L.F.	179.0	CL 52	GRIFFIN PIPE/BELAIR RD SUPPLY
8" SEWER MAIN	155 L.F.	148.0	SDR 35	J.M. MFG. / BELAIR RD. SUPPL
			·· ·	

SURVEY AND DRAFTING DIVISION AS-BUILT DATE

EROSION AND SEDIMENT CONTROL FOR THIS CONTRACT IS PROVIDED UNDER F-02-074



TO HO. CO. 3440001 1700 ± TO HO. CO. 3440002 3400 ± - PROPOSED SEWER LINE 20-4048-D — PROPOSED 16" WATER 44-3724 PROPOSED SEWER LINE 20-4048-D WATER CODE\_\_\_\_H-06 SEWER CODE\_\_5992000 TEST GRADIENT\_ VICINITY MAP

CONTRACT NO.: 20-4048-D TURF VALLEY PROFESSIONAL BUILDINGS SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

## 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, NAD 27.

STA. No. 3440002 N 533,593.800 E 837,983.249 EL. 462.306

- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- COORDINATES BASED ON NAD'27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO: 3440001 & 3440002 STA. No. 3440001 N 534,735.478 E 836,286.297 EL. 486.341
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS. CLEAR ALL UTILITIES BY A MINIMUM OF 12". CLEAR ALL POLES BY 5'-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 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 DETAIL 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 UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

1-800-252-1133 (410) 850-4620 BG & E CO. CONTRACTOR SERVICES BG & E CO. UNDERGROUND DAMAGE CONTROL (410) 787-9068 HOWARD COUNTY DEPTARTMENT OF PUBLIC WORKS (410) 313-4900 BUREAU OF UTILITIES

(410) 795–1390 COLONIAL PIPELINE CO. 1-800-257-7777 MISS UTILITY STATE HIGHWAY ADMINISTRATION

(410) 531-5533 1-800-743-0033/410-224-9210

- 10. 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.
- 11. 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
- 12. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)313-7450 AT LEAST FIVE (5) 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.
- 13. ALL SEWER MAINS SHALL BE P.V.C. OR D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- 14. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- 15. FORCE MAINS SHALL BE D.I.P. ONLY.
- 16. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- 17. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT 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
- 18. CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES PROIR TO COMMENCING CONSTRUCTION.
- 19. SEDIMENT CONTROL TO BE PROVIDED BY F-02-74.
- 20. STORM DRAIN SYSTEM INDICATED FOR INFORMATIONAL PURPOSES ONLY, SEE ROAD PLANS FOR CONSTRUCTION DATA.
- 21. COMPACTION IN FILL AREAS TO BE 95% AS DETERMINED PER AASHTO T-180.

INDEX OF DRAWINGS

NO.	DESCRIPTION				
1	TITLE SHEET				
2	SEWER PLAN				
3	SEWER PROFILES	;# ;*	:		

**OWNER** 

MANGIONE ENTERPRISES OF TURF VALLEY, L.P. 1205 YORK ROAD, PENTHOUSE LUTHERVILLE, MARYLAND 21093 (410) 825-8400

HOWARD COUNTY, MARYLAND

EETS TECHNICAL REQUIREMENTS.

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSTRVATION DISTRICT

CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

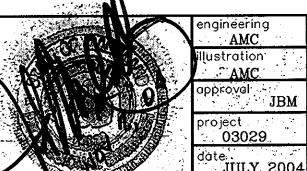
> DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

PLAN REFERENCE NUMBERS

P-00-007, P-00-021

F-02-74, F-02-82

MILDENBERG, BOENDER & ASSOC., INC./



ASBUILT DATA SHOWN

TITLE SHEET

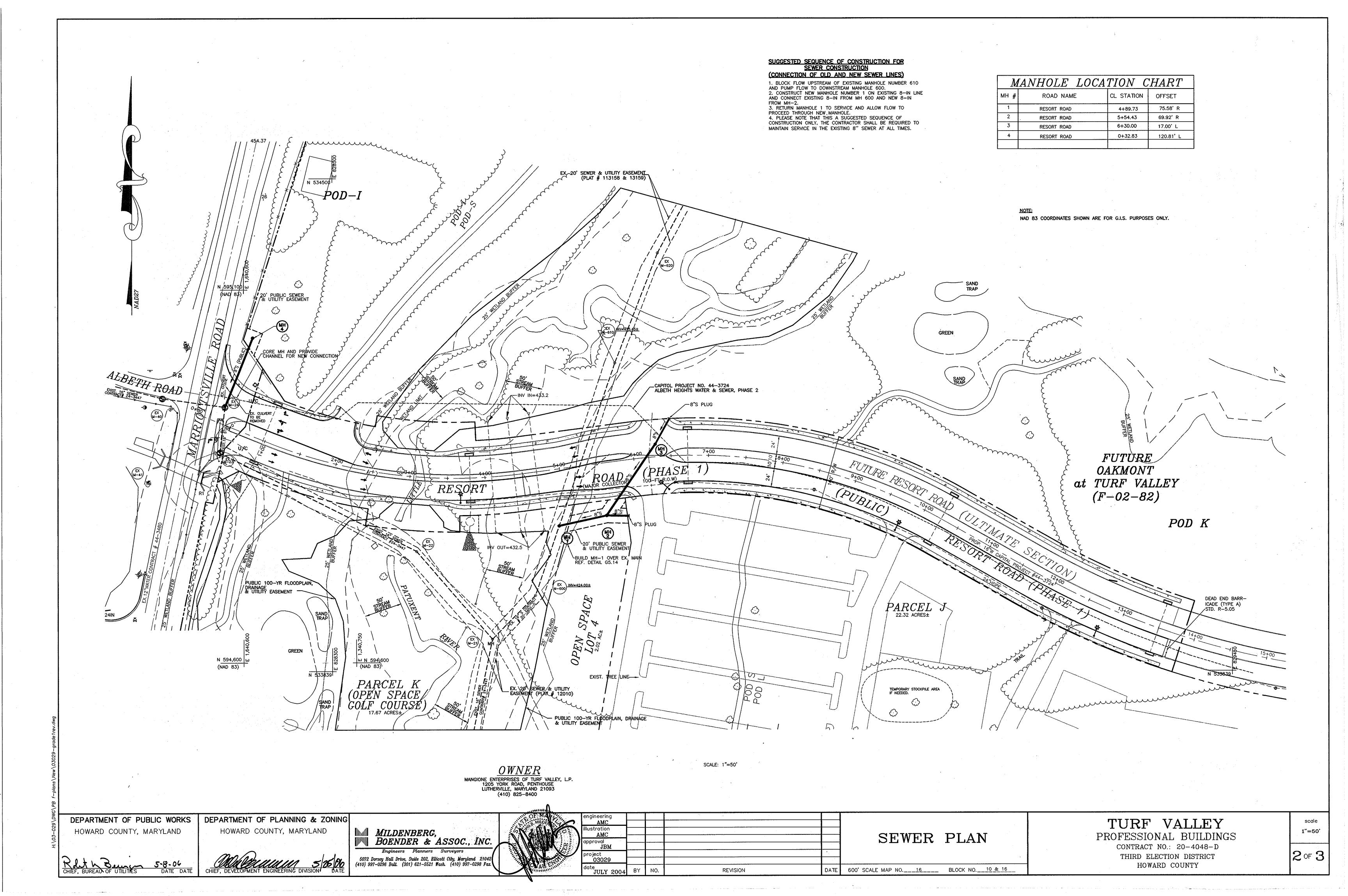
600' SCALE MAP NO.\_\_\_\_16\_\_\_\_ BLOCK NO.\_\_\_10\_&\_16\_

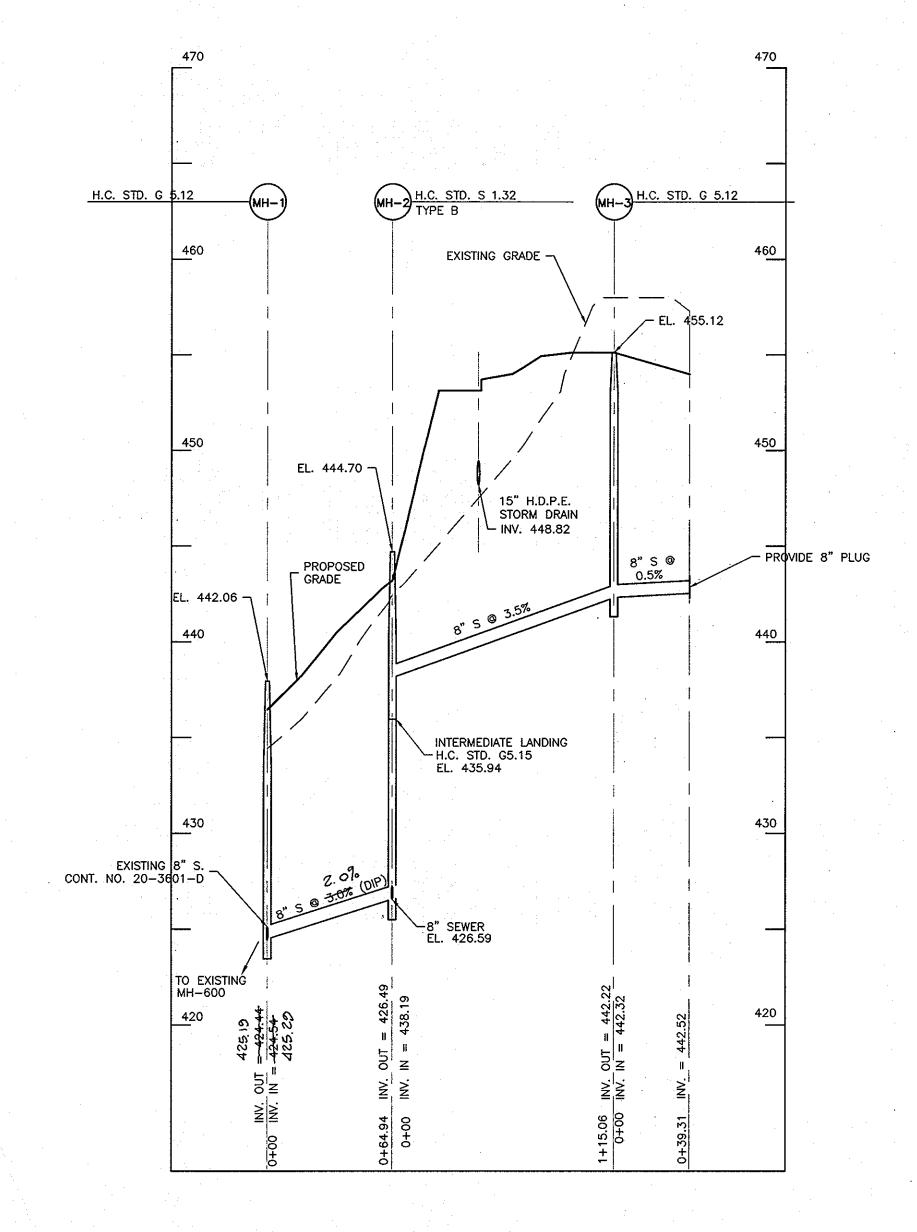
TURF VALLEY PROFESSIONAL BUILDINGS

CONTRACT NO.: 20-4048-D THIRD ELECTION DISTRICT HOWARD COUNTY

1 of 3

AS SHOWN

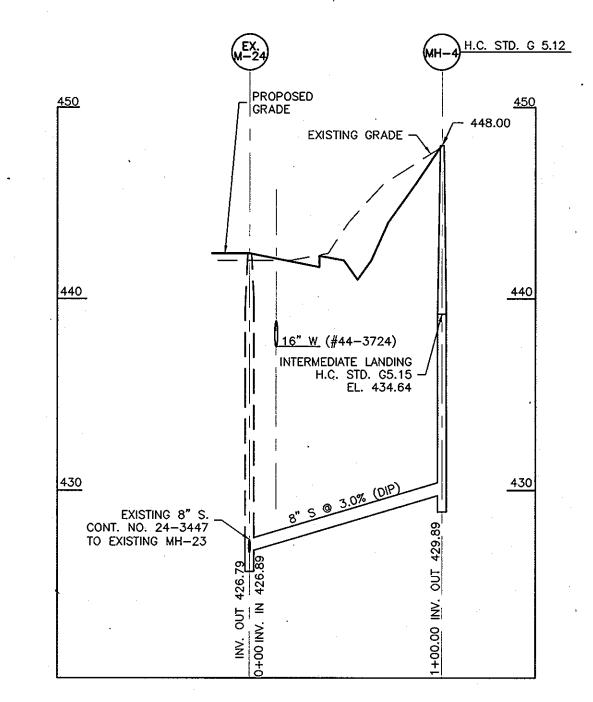




8-IN SEWER PROFILE
MH-1 TO MH-3 SCALE: HOR: 1"=50' VER. 1"=5'

EX. GRADE ∕\_8" S. EL. 438.19

8-IN SEWER PROFILE
MH-2 TO PLUG SCALE: HOR: 1"=50' VER. 1"=5'



8-IN SEWER PROFILE
EX. MH-24 TO MH-4
(FUTURE SERVICE TO POD I)

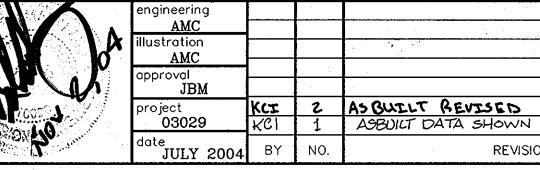
<u>OWNER</u>

MANGIONE ENTERPRISES OF TURF VALLEY, L.P. 1205 YORK ROAD, PENTHOUSE LUTHERVILLE, MARYLAND 21093 (410) 825-8400

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

MILDENBERG,
BOENDER & ASSOC., INC 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 210 (410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fd



SEWER PROFILES

DAJE 600' SCALE MAP NO.\_\_16\_\_\_\_\_ BLOCK NO.\_\_10\_&\_16\_

TURF VALLEY PROFESSIONAL BUILDINGS CONTRACT NO.: 20-4048-D THIRD ELECTION DISTRICT HOWARD COUNTY

AS SHOWN 3 of 3