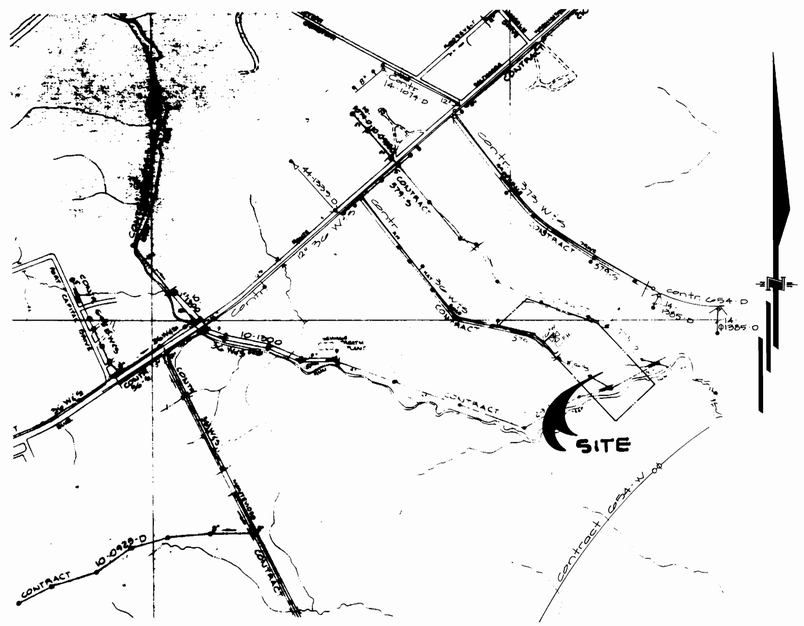
TYPE OF BUILDING	Commercial
NUMBER OF UNITS	1
NUMBER OF S.H.C.'s	1
NUMBER OF W.H.C.'s	1
DRAINAGE AREA	



WATER AND SEWER CODE
COUNTY USE

WATER No. B01 test gradient: 550
SEWER No. 2370000

VICINITY MAP
SCALE: 1" = 600'

GENERAL NOTES

PART I –

1. 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.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S. data.
4. All pipe elevations shown are invert elevations.
5. Clear all utilities by a minimum of 6". Clear all poles by a 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 the 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.
6. 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.
7. 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.
8. Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

State Highway Administration	531–5533
BG&E Co. Contractor Services	850–4620
BG&E Co. Under Ground Damage Control	787–9068
Miss Utility	1–800–257–7777
Colonial Pipeline Co.	795–1390
Howard County Dept. of Public Works, Bur. of Utilities	313–4900

9. 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.
10. 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.

PART II – WATER

1. All water mains to be D.I.P. Class 52 unless otherwise noted.
2. Tops of all water mains to have a minimum of 3–1/2' cover unless otherwise noted.
3. Valves adjacent to tees shall be strapped to tees.
4. All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
5. Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be strapped and butressed 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.
6. The contractor shall not operate any water main valves on the existing water system.
7. All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.

PART III – SEWER

1. All sewer mains shall be DIP, RCP, VCPX, CSPX, RCCP and P.V.C. unless otherwise noted.

3. All manholes shall be 4'–0" inside diameter unless otherwise noted.
4. Force mains shall be D.I.P. only.
5. Manholes shown with 12" and 16" walls are for brick manholes only.
6. 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 drawings.
7. House(s) with the symbol "C.N.S." indicates that the cellar cannot be served.

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS–BUILT QUANTITIES		TYPE	MANUFACTURER/ SUPPLIER
6"x6" T.S.&V.	1	1	EA	CAST IRON	MUELLER CO.
Fire Hydrant	1	1	EA	CAST IRON	AMER. FLOW CONTROL
6" W	122 l.f.	128	LF	DIP	ATLANTIC STATES
Std. Sewer MH	1	1	EA	PRECAST CONC.	ATLANTIC CONC.
6" S	351 f.	35	LF	PVC	J-M MFG.
6" VALVE		2	EA	GATE	MUELLER CO.

NAME OF UTILITY CONTRACTOR: TRI-COUNTY INDUSTRIES

SURVEY AND DRAFTING DIV. CHECKBOX: ..... AS-BUILT DATE: 11/95

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Site Development Plan SDP94-18; Drawings Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

SIGNATURE DATE

U.S. SOIL CONSERVATION SERVICE

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

APPROVED: John R. Plunkett 12/22/93
HOWARD S.C.D. DATE

CONTRACT NO.14-3306-D

PROPERTY OF LEE GANEY, JR.

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 12/29/93
CHIEF, BUREAU OF ENGINEERING — DATE 12/29/93
CHIEF, BUREAU OF UTILITIES — DATE 12-15-93
CHIEF, LAND DEVELOPMENT DIV. — DATE 12/29/93

GLW GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE · SUITE 250 · BURTONSVILLE OFFICE PARK
BURTONSVILLE, MD. 20866
(301) 421-4024

STATE OF MARYLAND — DAVID SAMUEL WEBER — No. 8735 — PROFESSIONAL ENGINEER — 8-25-93

DES: dav/mcf				
DRN: mcf				
CHK: daw				
DATE: aug '93	BY	NO.	REVISION	DATE

Water & Sewer Title Sheet
Scale: As Shown

600' SCALE MAP NO. 45 BLOCK NO. 5 & 11

Property of Lee Ganey, Jr.
1st Election District — Howard County, Maryland
Contract No: 14-3306-D

SCALE AS SHOWN

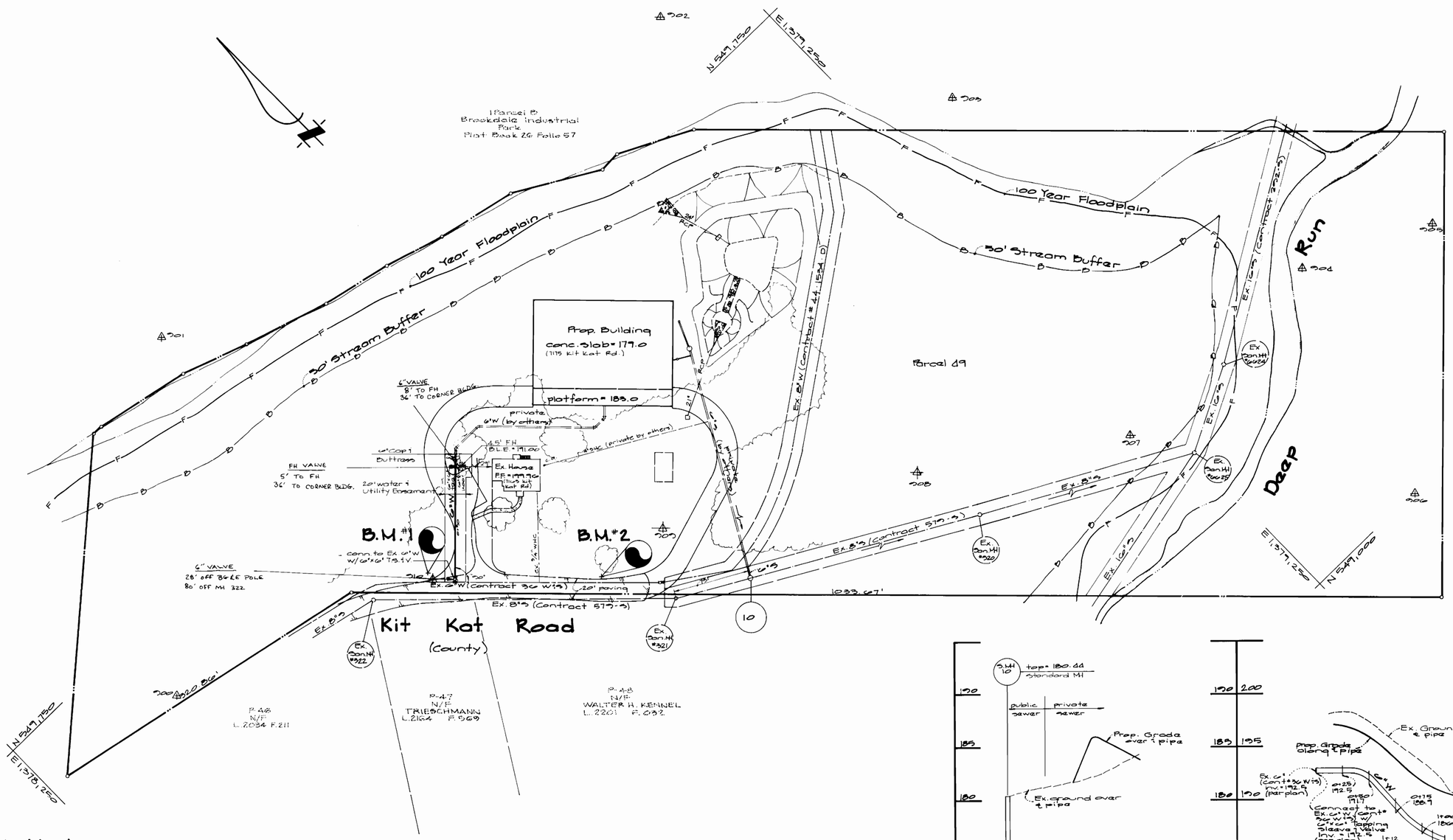
SHEET 1 OF 2

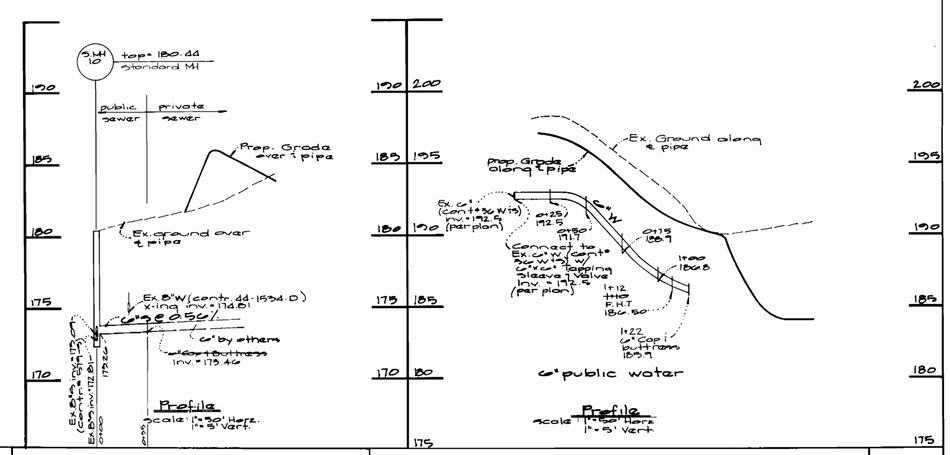
11-15-95 AS-BLT

AS-BUILT 11-15-95

3306 WS/1 Lee Ganey Jr. Property

AS-BLT
11-15-95





Bench Marks

B.M.#1

R.R. Spike in B.G.1E Pole # 272627
Elev. = 198.68

B.M.#2

Cut Nail in B.G.1E Pole # 479947
Elev. = 195.98

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS	12/29/93 DATE	CHIEF, BUREAU OF ENGINEERING	12/29/93 DATE
CHIEF, BUREAU OF UTILITIES	12-15-93 DATE	CHIEF, LAND DEVELOPMENT DIV.	12/29/93 DATE

GW GUTSCHICK LITTLE & WEBER, P.A.
ENGINEERS, PLANNERS, SURVEYORS
3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK
BURTONSVILLE, MD 20866
(301) 421-4024

STATE OF MARYLAND
DAVID SAMUEL WEBER
PROFESSIONAL ENGINEER
8-25-93

	BY	NO.	REVISION	DATE
DES:				
DRN:				
CHK:				
DATE:	MCF	1	rev. 4" W to 6" W, add addresses, 4" SHC by others, & ex. 3/4" WHC	5/13/95

Water & Sewer Construction Plan

Scale: 1" = 50'

600' SCALE MAP NO. 43 BLOCK NO. 5 & 11

Property of Lee Ganey, Jr.

1st Election District Howard County, Maryland
Contract No: 14-3306-D

SCALE AS SHOWN

SHEET 2 OF 2

11-15-95 AS-BLT.

3306 WS/2 Lee Ganey Jr. property

3306 W/S Pos. sht. #1

HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SURVEY & DRAFTING DIVISION

Lee Goney Jr. Property
contract # 14-3306-D
Scale : 1" = 50'

Map No. ______

&J WHITE MARSH, MD. 168516