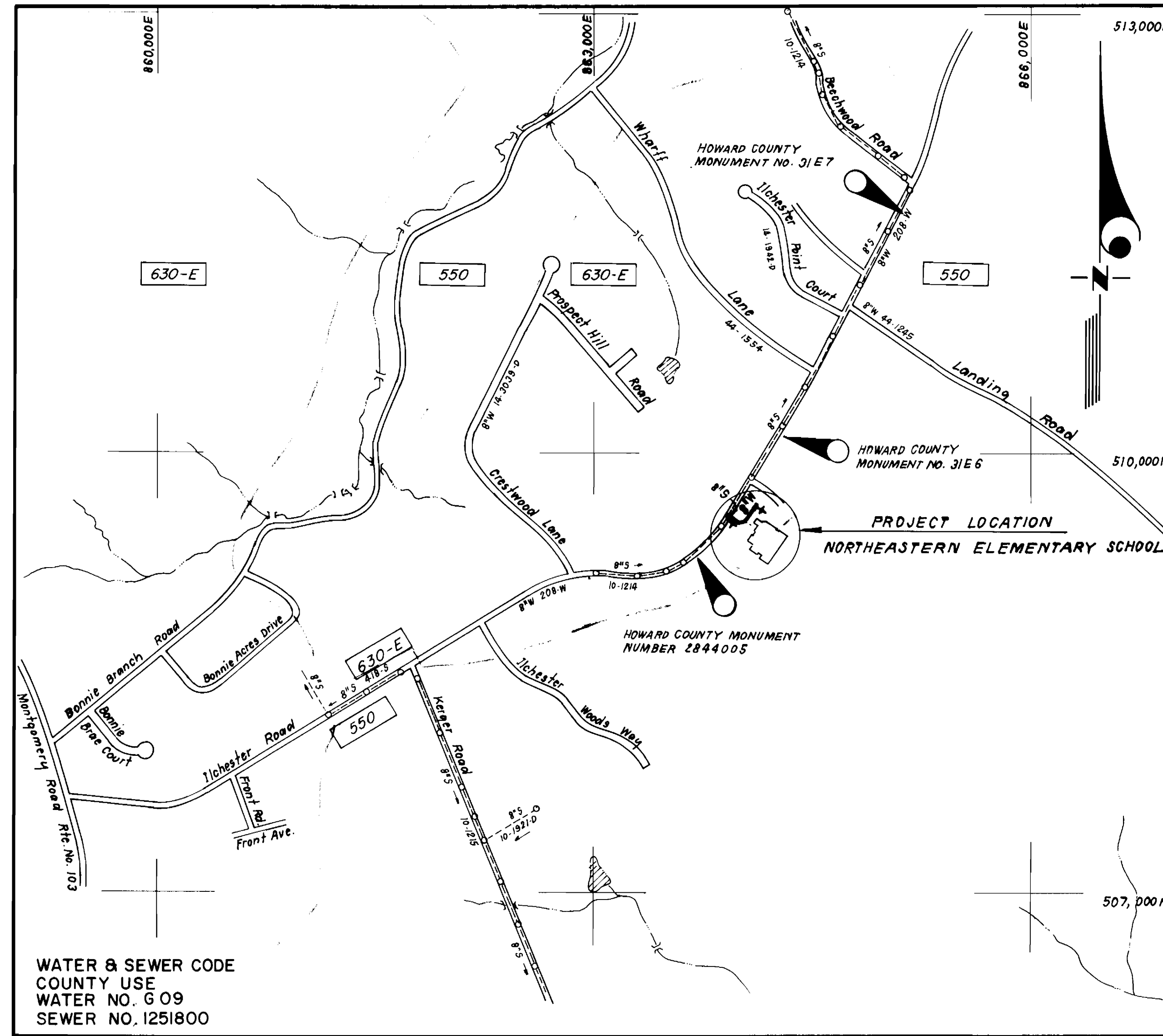


3403 ws/1 Northeastern Elem. School

AS-BUILTS

TYPE OF BUILDING	<u>ELEMENTARY SCHOOL</u>
NO. OF LOTS	<u>ONE</u>
NO. OF WHC's	<u>ONE</u>
NO. OF SHC's	<u>ONE</u>
DRAINAGE AREA	<u>PATAPSCO</u>
TREATMENT PLANT	<u>PATAPSCO WASTEWATER TREATMENT PLANT</u>



WATER & SEWER CODE  
 COUNTY USE  
 WATER NO. 609  
 SEWER NO. 1251800

TEST GRADIENT = 780

VICINITY MAP  
 SCALE: 1" = 600'

**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 Inspector, 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 a minimum of 6" clear all poles by 2'-0" minimum or tunnel as required. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
- For details not shown on the drawings use Howard County Standard Details.
- For materials and construction methods use Howard County Standard Specifications & Details and Howard County Design Manual, Volume IV (Latest Edition) The Contractor shall have copies of these on the job site.
- Contractor shall locate existing utilities a minimum of two (2) weeks in advance of construction operations in the vicinity of proposed utilities at his own expense.
- Contractor shall notify the following utilities or agencies at least five (5) working days before starting work shown on these plans.
  - State Highway Administration - 531-5533
  - Baltimore Gas & Electric Company - Underground Damage Control - 787-9068
  - Baltimore Gas & Electric Company - Contractor Services - 850-4620
  - Baltimore Gas & Electric Company - Trouble Shooting - 298-9001
  - "Miss Utility" - 1-800-257-7777
  - Chesapeake & Potomac (C & P) Telephone Company - 1-800-257-7777
  - Bureau of Utilities Howard County - 313-4900
  - Colonial Pipeline Company - 795-1390
- Trees are to be protected from damage to maximum extent. Trees 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 as directed by the Inspector. Payment for such removal shall be included in the unit price bid for excavation and backfill.
- Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
- All water mains to be D.I.P. Class 52 unless otherwise noted.
- Top 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.
- Block all fittings with concrete.
- Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be restrained and buttressed with concrete in accordance with Std. Det. W.I.I. & W.2.11 Soil around the fire hydrant to be compacted in accordance with Sections 1000 & 1005 of the Standard Specifications.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on the existing system.
- All sewer mains shall be C.S.P.X., V.C.P.X., P.V.C., or D.I.P., unless otherwise noted.
- All manholes shall be 4'-0" inside diameter, unless otherwise noted.
- Water main and water house connection lines must have a minimum of one foot separation from the sanitary sewer and sewer house connections as they cross. Except at crossings, water and sewer lines shall have a minimum horizontal separation of 10'.
- Manholes designated thus: WT, shall have a Watertight Frame and Cover.

**CONTRACT NO. 14-3403-D**

**NORTHEASTERN ELEMENTARY SCHOOL  
 PARCEL NO. 232 / 819**

**HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS**

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Site Development Plan SDP-95-55 ; Drawing , Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.  
*John K. Roberts* 3/30/95  
 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 K. Roberts* 3/30/95  
 Howard S.C.D. DATE

ITEM	QUANTITIES ESTIMATED	QUANTITIES AS BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
8" W DIP	305LF	305 L.F.	DIP CL-52	GRIFFIN DUCTILE IRON PIPE CL-52
6" W	10LF	10 L.F.	DIP CL-52	GRIFFIN DUCTILE IRON PIPE CL-52
8" S	36LF	42 L.F.	SDR-35	NATIONAL ETI PVC-SDR-35
F.H.	2EA	2 EA.	KENNEDY F.H.	KENNEDY F.H. 5' BURY+5.6' BURY
M.H.	1EA	1 EA.		
6" V. (Excl. F.H.)	1EA	1 EA.	GATE VALVE	GRIFFIN M.J.
8" V	1EA	1 EA.	GATE VALVE	GRIFFIN M.J. GATE VALVE
NAME OF UTILITY CONTRACTOR :				
SURVEY & DRAFTING DIV. - AS BUILT DATE:				

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*James P. ...* 3/3/95  
 DIRECTOR OF PUBLIC WORKS DATE

*Robert ...* 3-27-95  
 CHIEF, BUREAU OF UTILITIES DATE

*...* 3/31/95  
 CHIEF, BUREAU OF ENGINEERING DATE

*...* 3/31/95  
 CHIEF, LAND DEVELOPMENT DIV. DATE

**CFS** CLARK • FINEFROCK & SACKETT, INC.  
 ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY COLUMBIA MARYLAND 21045  
 (301) 381-7500 BALTO. (301) 621-9100 WASH.



DES: JTR			
DRN: JTR			
CHK: <i>...</i>			
DATE: DEC, 94	BY NO.	REVISION	DATE

TITLE SHEET

600' SCALE MAP NO. 31 BLOCK NO. 16

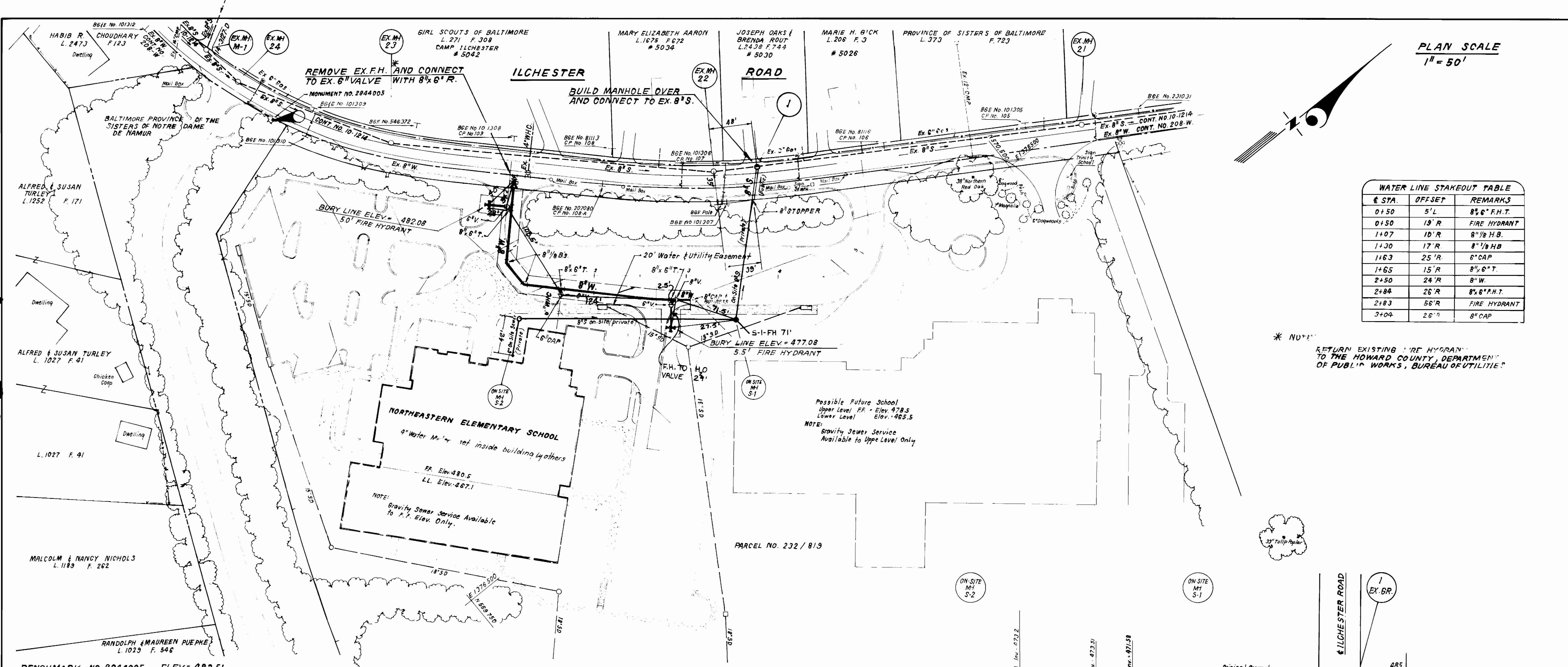
NORTHEASTERN ELEMENTARY SCHOOL  
 PARCEL NO. 232 / 819  
 1<sup>ST</sup> ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 CONTRACT NO. 14-3403-D

SCALE AS SHOWN  
 SHEET 1 OF 2

3403 wsf Northeastern Elem. School

AS-BUILTS

PLAN SCALE  
1" = 50'



STATION	OFFSET	REMARKS
0+50	5' L	8" 6" F.H.T.
0+50	19' R	FIRE HYDRANT
1+07	10' R	8" 1/8 H.B.
1+30	17' R	8" 1/8 H.B.
1+63	25' R	6" CAP
1+65	15' R	8" 6" T.
2+50	24' R	8" W.
2+84	26' R	8" 6" P.H.T.
2+83	56' R	FIRE HYDRANT
3+04	26' R	8" CAP

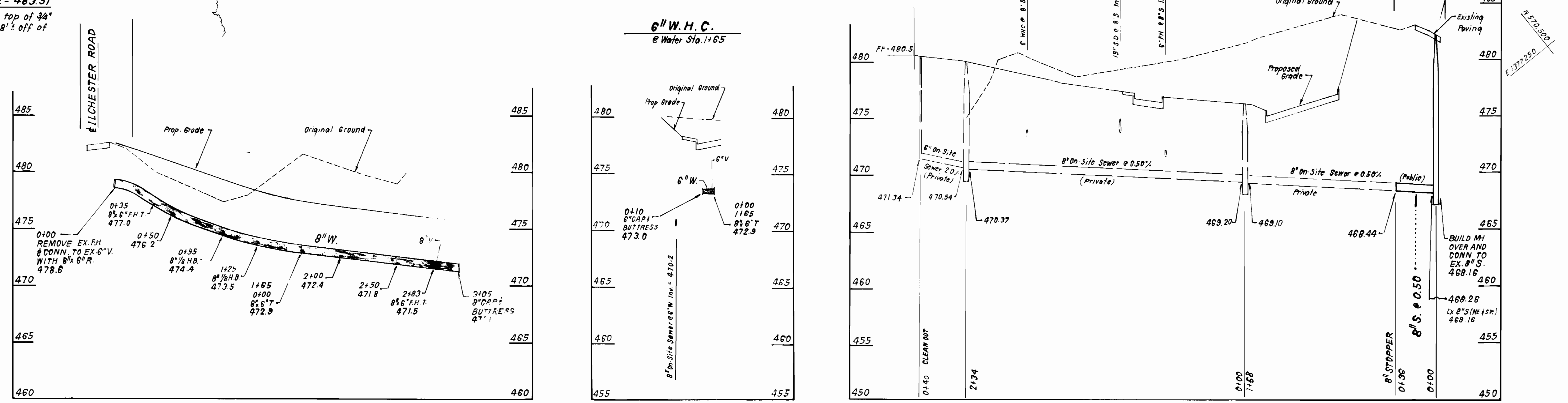
\* NOTE: RETURN EXISTING FIRE HYDRANT TO THE HOWARD COUNTY, DEPARTMENT OF PUBLIC WORKS, BUREAU OF UTILITIES.

Possible Future School  
Upper Level FF - Elev. 478.5  
Lower Level Elev. 465.5  
NOTE: Gravity Sewer Service Available to Upper Level Only.

NORTHEASTERN ELEMENTARY SCHOOL  
9" Water M. ref. inside building, others  
FF. Elev. 480.5  
LL. Elev. 467.1  
NOTE: Gravity Sewer Service Available to F.F. Elev. Only.

BENCHMARK NO. 2844005 ELEV. = 483.51  
Howard County Monument 2844005-R, top of 3/4" iron bar on south side Ilchester Road 8 1/2' off of paving.

PROFILE SCALE  
HORIZONTAL: 1" = 50'  
VERTICAL: 1" = 5'



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
3/31/95  
3-27-95

CLARK - FINEPROCK & SACKETT, INC.  
ENGINEERS - PLANNERS - SURVEYORS  
21045 COLUMBIA MARYLAND 21045  
(410) 381-7500 BALTO. (301) 821-8100 WASH.



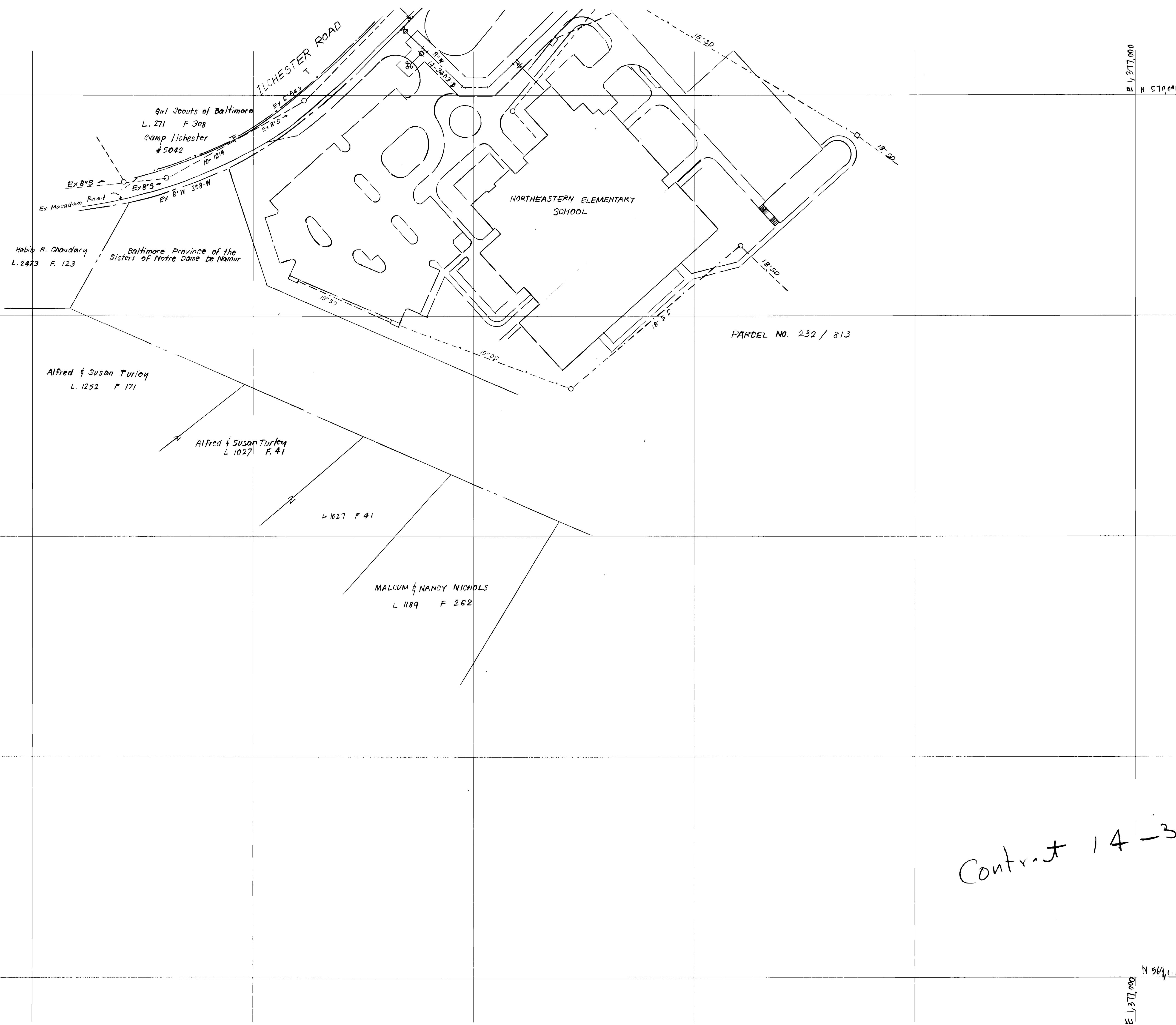
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CHK: COM  
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PLAN & PROFILE  
OF WATER & SEWER MAIN  
600' SCALE MAP NO. 31 BLOCK NO. 16

NORTHEASTERN ELEMENTARY SCHOOL  
PARCEL NO. 232 / 819  
1ST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
CONTRACT NO. 14 3403-D

SCALE  
AS SHOWN  
SHEET  
2 OF 2

3403 POS. SH. # 1 of 2



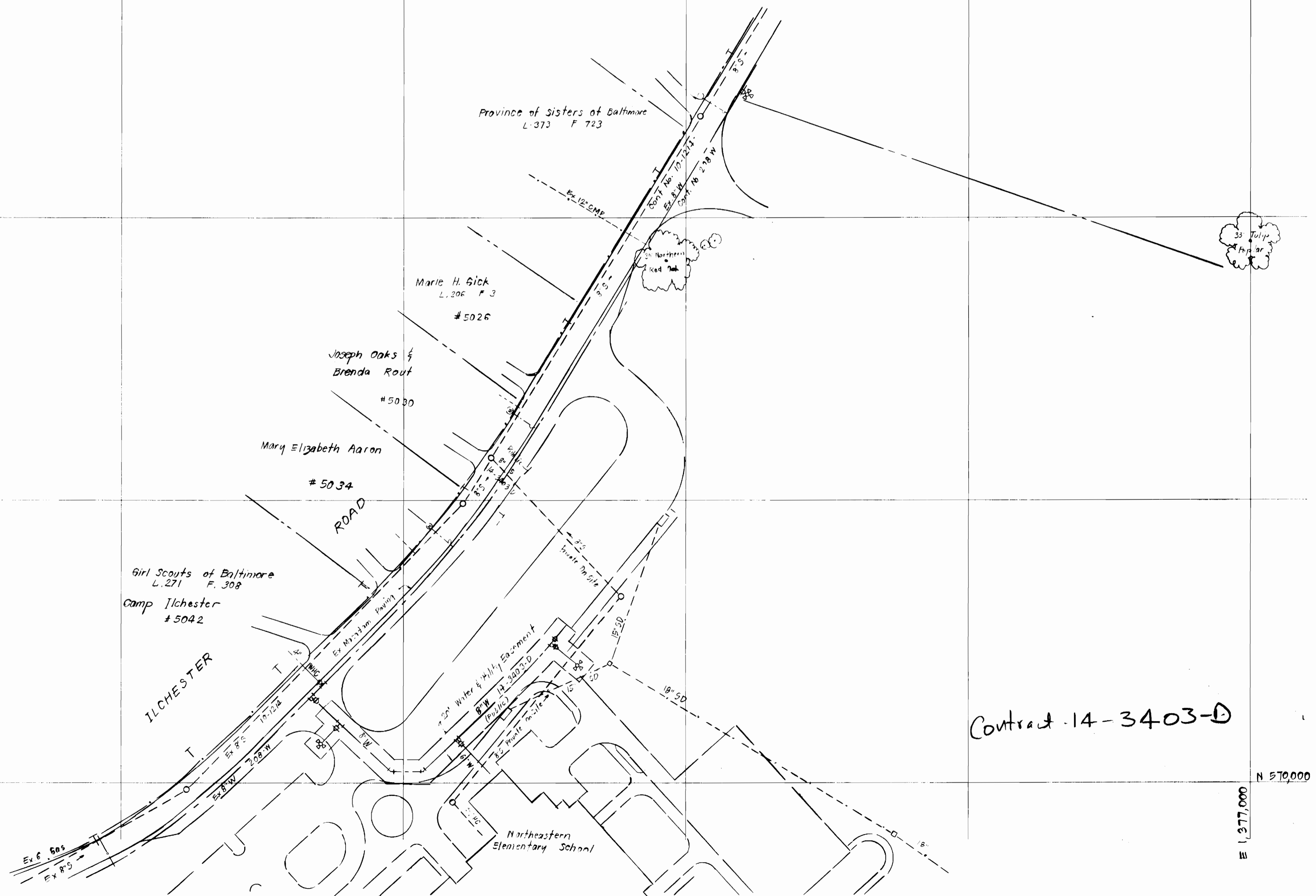
Contract 14-3403-1

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

Scale: 1" = 50'

Map No. \_\_\_\_\_

3403 POS. SHT. # 2 of 2



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

Scale: 1" = 50'

Map No. \_\_\_\_\_