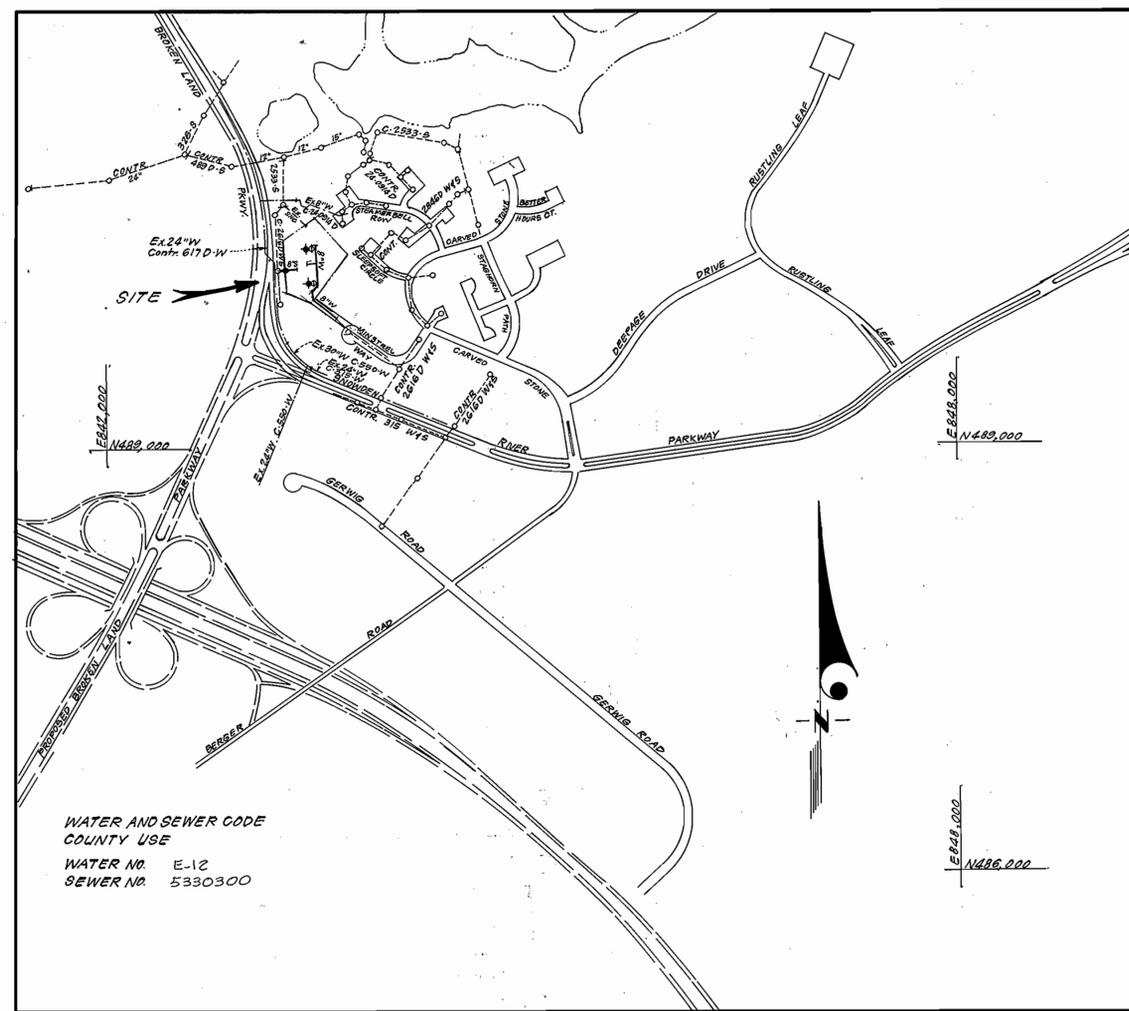


TYPE OF BUILDING	Office
NUMBER OF UNITS	—
NUMBER OF WHC'S	1
NUMBER OF SHC'S	1
DRAINAGE AREA	Little Patuxent



VICINITY MAP

GENERAL NOTES

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 Inspector, 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. Datum.
4. All pipe elevations shown are invert elevations.
5. 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.
6. For details not shown on the drawings use Howard County Standard Details.
7. For materials and construction methods use Howard County Standard Specifications, 4th Ed. Design Manual, Volume II. The contractor shall have a copy of Volume II on the job.
8. 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.
9. 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 - Contractor Services - 561-2585
  - Baltimore Gas & Electric Company - Underground Damage Control - 234-5621
  - Baltimore Gas & Electric Company - Trouble Shooting - 298-9013
  - "Miss Utility" - 1-559-0100
  - Chesapeake & Potomac (C & P) Telephone Company - 725-9976
  - Colonial Pipeline Company - 705-1300
  - Bureau of Utilities Howard County - 992-2366
10. 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.
11. 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.
12. 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.
13. All water mains to be D.I.P. unless otherwise noted.
14. Top of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
15. Valves adjacent to tees shall be strapped to tees.
16. Block all fittings with concrete.
17. Bury line elevations on fire hydrants shall be set to the 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 to be compacted in accordance with Sections 1003 & 1008 of the Standard Specifications.
18. All water house connections shall be for an inside meter setting.
19. The contractor shall not operate any water main valves on the existing system.
20. All sewer mains shall be A.C.P. Class 3300 unless otherwise noted.
21. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
22. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
23. 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'.

WATER AND SEWER CODE  
COUNTY USE  
WATER NO. E-12  
SEWER NO. 5330300

CONTRACT NO. 24-1321-D  
VILLAGE OF OWEN BROWN  
SECTION 2 AREA 2  
HOWARD COUNTY, MARYLAND  
DEPARTMENT OF PUBLIC WORKS

ITEM	QUANTITIES		MATERIAL / SUPPLIER
	ESTM'D	AS-BUILT	
8" S	48 L.F.	41 L.F.	D.I.P. Griffin Pipe Corp.
4' MH	1 EA.	1 EA.	Precast Conc. MH Atlantic
8" W	619 L.F.	630 L.F.	D.I.P. Griffin Pipe Corp.
F.H.	2 EA.	2 EA.	Fire Hyd. Municipal Sales
6" WHC	10 L.F.	10 L.F.	D.I.P. Griffin Pipe Corp.
6" V	1 EA.	1 EA.	Valve Municipal Contr.
8" V	1 EA.	1 EA.	" "

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Site Development Plan SDP85-88; Drawing 1, Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT  
*James M. Nelson* 1/22/85  
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:  
*Stephen L. Fink* 1/22/85  
HOWARD S.C.D. DATE

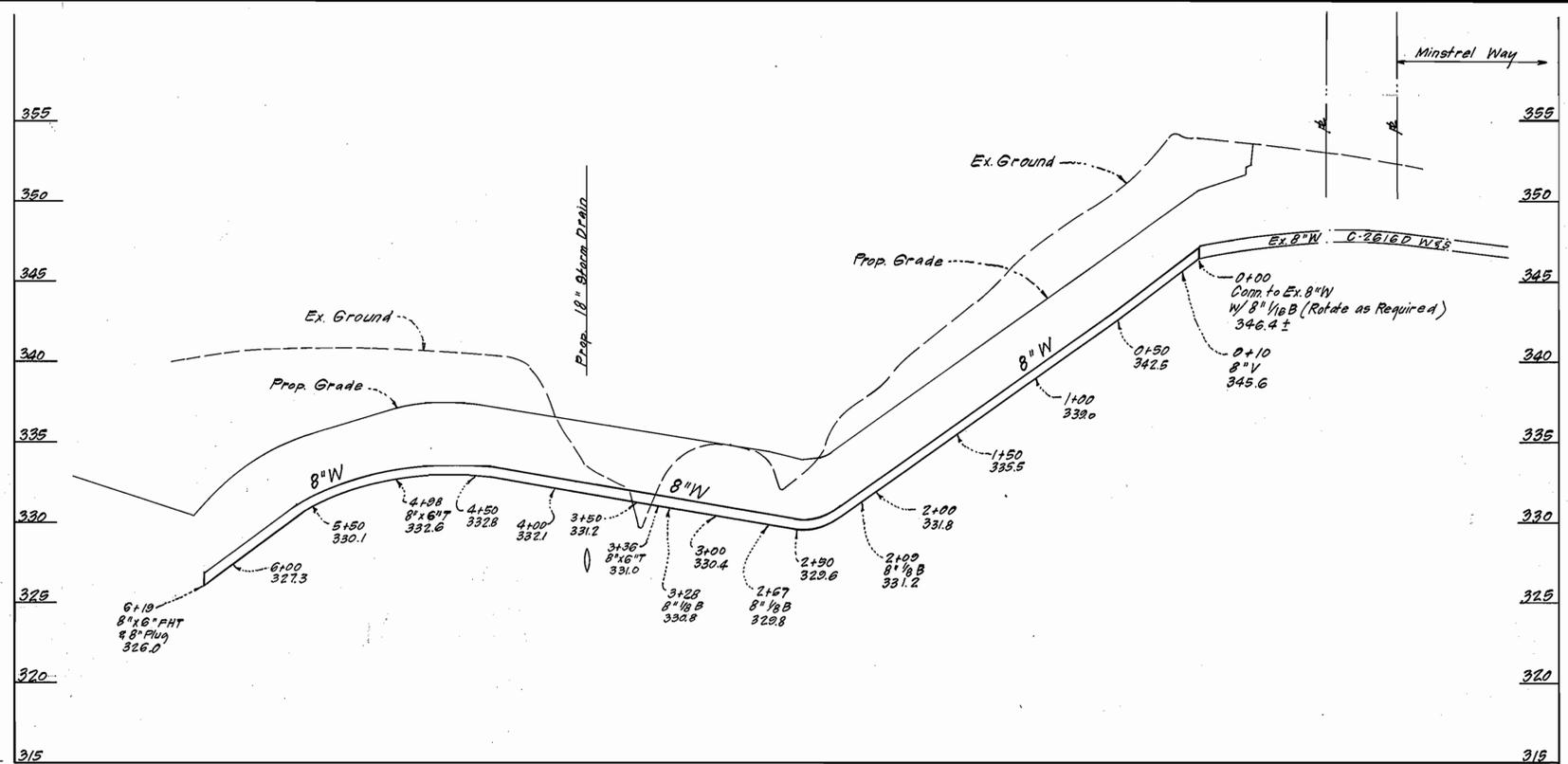
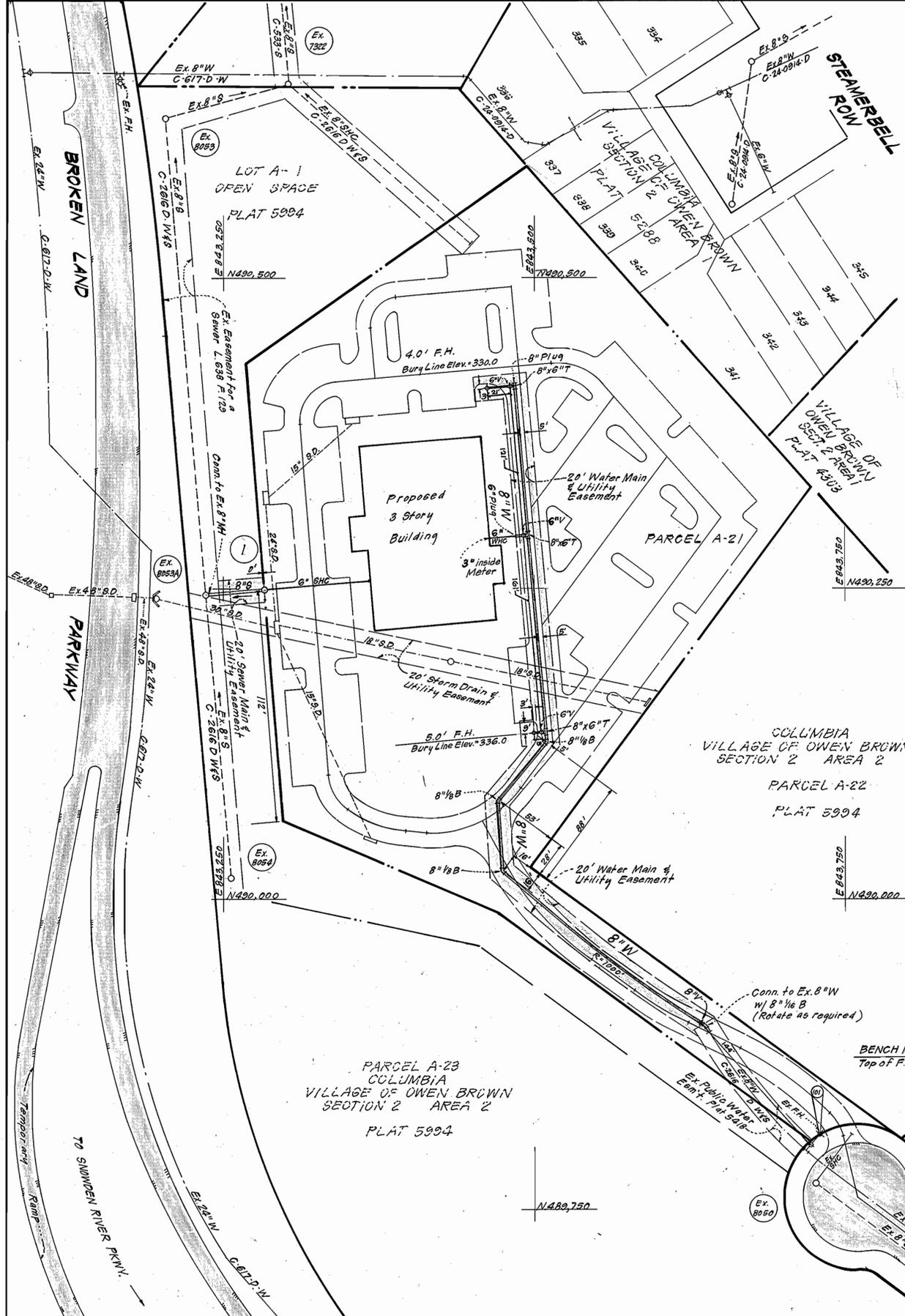
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
*Henry F. Nemes* 1-25-85  
DIRECTOR OF PUBLIC WORKS DATE  
*Robert M. Beringer* 1-29-85  
CHIEF, BUREAU OF UTILITIES DATE  
*William D. Rabin* 1-25-85  
CHIEF, BUREAU OF ENGINEERING DATE  
*William H. [Signature]* 1-24-85  
CHIEF, LAND DEVELOPMENT DIV. DATE

**CFS** CLARK • FINEPROCK & SACKETT  
ENGINEERS - PLANNERS - SURVEYORS  
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904  
(301) 593-3400  
EDWARD PRESSOTT, JR. - PROFESSIONAL SURVEYOR  
3237  
STATE OF MARYLAND

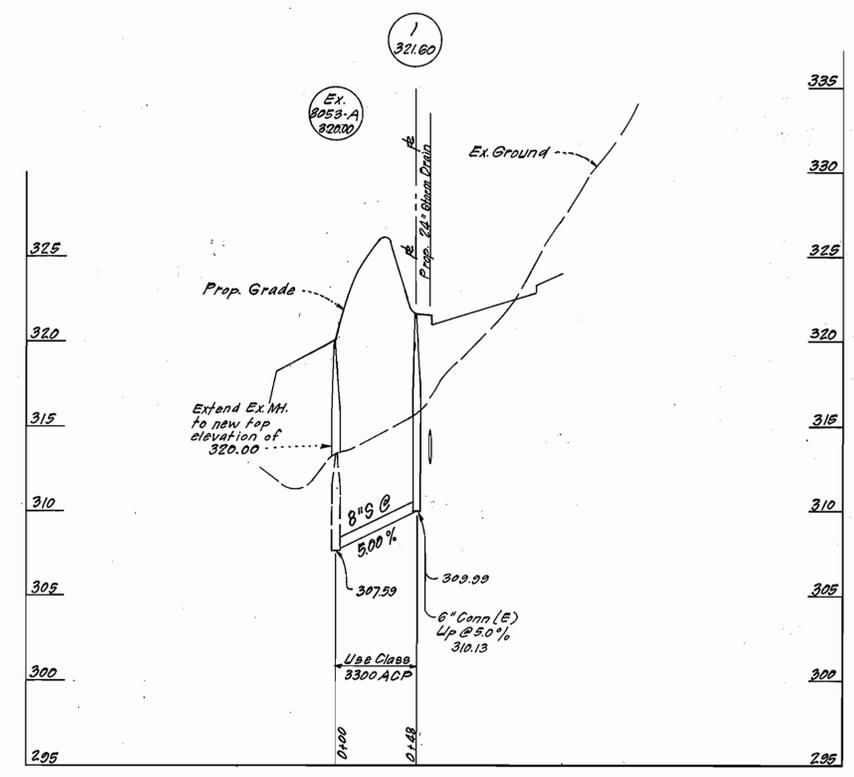
DES: B.E.P.	V.L.B.	1	Revised Quantities Table.	3/22/85
DRN: V.L.B.				
CHK: B.E.P.				
DATE: 11/84	BY	NO.	REVISION	DATE

TITLE SHEET  
600' SCALE MAP NO. 42 BLOCK NO.

COLUMBIA, VILLAGE OF OWEN BROWN  
PARCEL A-21, SECTION 2 AREA 2  
6<sup>TH</sup> ELECTION DISTRICT  
CONTRACT NO. 24-1321-D  
SCALE 1"=600'  
SHEET 1 OF 2



**PROFILE SCALE**  
 Horizontal: 1" = 50'  
 Vertical: 1" = 5'



DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*Walter N. Nemy* 1-25-85  
 DIRECTOR OF PUBLIC WORKS DATE

*Richard M. Bunker* 1-24-85  
 CHIEF, BUREAU OF UTILITIES DATE

*William D. Roper* 11-25-85  
 CHIEF, BUREAU OF ENGINEERING DATE

*William H. [Signature]* 1-24-85  
 CHIEF, LAND DEVELOPMENT DIV. DATE

**CFS** CLARK · FINEPROCK & SACKETT  
 ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904  
 (301) 593-3400

DES: B.E.P.	V.L.B.	1	Revised size of WHC & Meter as per Ho.Co. comments.	3/22/85
DRN: V.L.B.				
CHK: B.E.P.				
DATE: 11/84	BY:	NO.	REVISION	DATE

PLAN & PROFILES OF  
 WATER & SEWER MAINS

600' SCALE MAP NO. 42 BLOCK NO.

COLUMBIA, VILLAGE OF OWEN BROWN  
 PARCEL A-21, SECTION 2 AREA 2  
 6<sup>TH</sup> ELECTION DISTRICT  
 CONTRACT NO. 24-1321-D

SCALE AS SHOWN  
 SHEET 2 OF 2