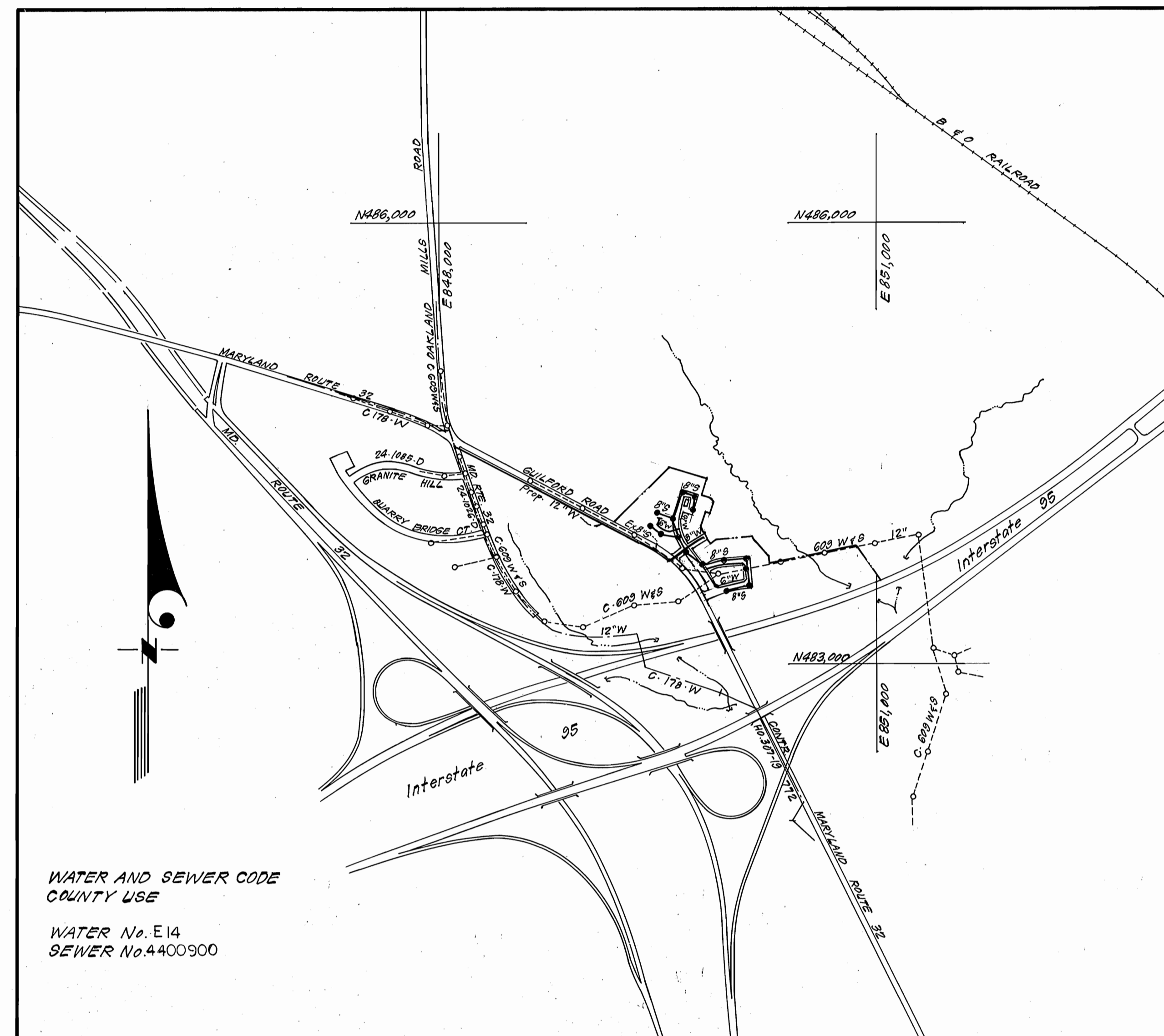


TYPE OF BUILDING	Townhouses
NUMBER OF UNITS	107
NUMBER OF SHC'S	107
NUMBER OF WHC'S	107
DRAINAGE AREA	Little Patuxent



WATER AND SEWER CODE  
COUNTY USE  
  
WATER No. E14  
SEWER No. 4400900

VICINITY MAP

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 AND HOWARD COUNTY DESIGN MANUAL, VOLUME 2. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME 2 ON THE JOB.
- 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 - 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 - 795-1390  
 Bureau of Utilities Howard County - 992-2366
- 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. 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 strapped and buttressed with concrete in accordance with standard details. Soil around the fire hydrant to be compacted in accordance with Section 10.03 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 A.C.P. Class 2400 unless otherwise noted.
- The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
- 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'.
- For all Copper Water House Connections, utilize flared type fittings only.

CONTRACT NO. 24-1271-D  
 GLENSHIRE TOWNE  
 SECTION ONE  
 HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS

QUANTITIES			
ITEM	ESTM'D	AS-BUILT	MATERIAL / SUPPLIER
8" S	1348 L.F.	1936 L.F.	CERTAIN TEED / ASP
12" W	1796 L.F.	1677 L.F.	U.S. PIPE & FOUNDRY
8" W	357 L.F.	917 L.F.	" " " "
6" W	1257 L.F.	1326 L.F.	" " " "
3/4" WHC	1922 L.F.	1336 L.F.	TYPE K / CAMBRIDGE LEE
1" WHC	1145 L.F.	1068 L.F.	" " " "
2" WHC	37 L.F.	"	" " " "
6" SHC	1853 L.F.	1808 L.F.	CERTAIN TEED / ASP
MH	15 EA.	15 EA.	" " " "
F.H.	8 EA.	8 EA.	METROPOLITAN / U.S. PIPE
8" V	4 EA.	4 EA.	M&H / MUNICIPAL CONTRACTORS
6" V (excl. F.H.V.)	5 EA.	5 EA.	" " " "
12" V	2 EA.	2 EA.	" " " "
12" x 12" T.S.#V.	1 EA.	1 EA.	" " " "
1/2" Drain	1 EA.	1 = 35 L.F.	TYPE K / CAMBRIDGE LEE

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Road Construction Plan E.85-12, Drawings 768 Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT  
 [Signature] 9-26-84  
 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:  
 [Signature] 9-26-84  
 HOWARD S.C.D. DATE

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 [Signature] 10-2-84  
 DIRECTOR OF PUBLIC WORKS DATE  
 [Signature] 9-27-84  
 CHIEF, BUREAU OF UTILITIES DATE  
 [Signature] 10-2-84  
 CHIEF, LAND DEVELOPMENT DIV. DATE

CFS CLARK, FINEPROCK & SACKETT  
 ENGINEERS, PLANNERS, SURVEYORS  
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904  
 (301) 593-3400

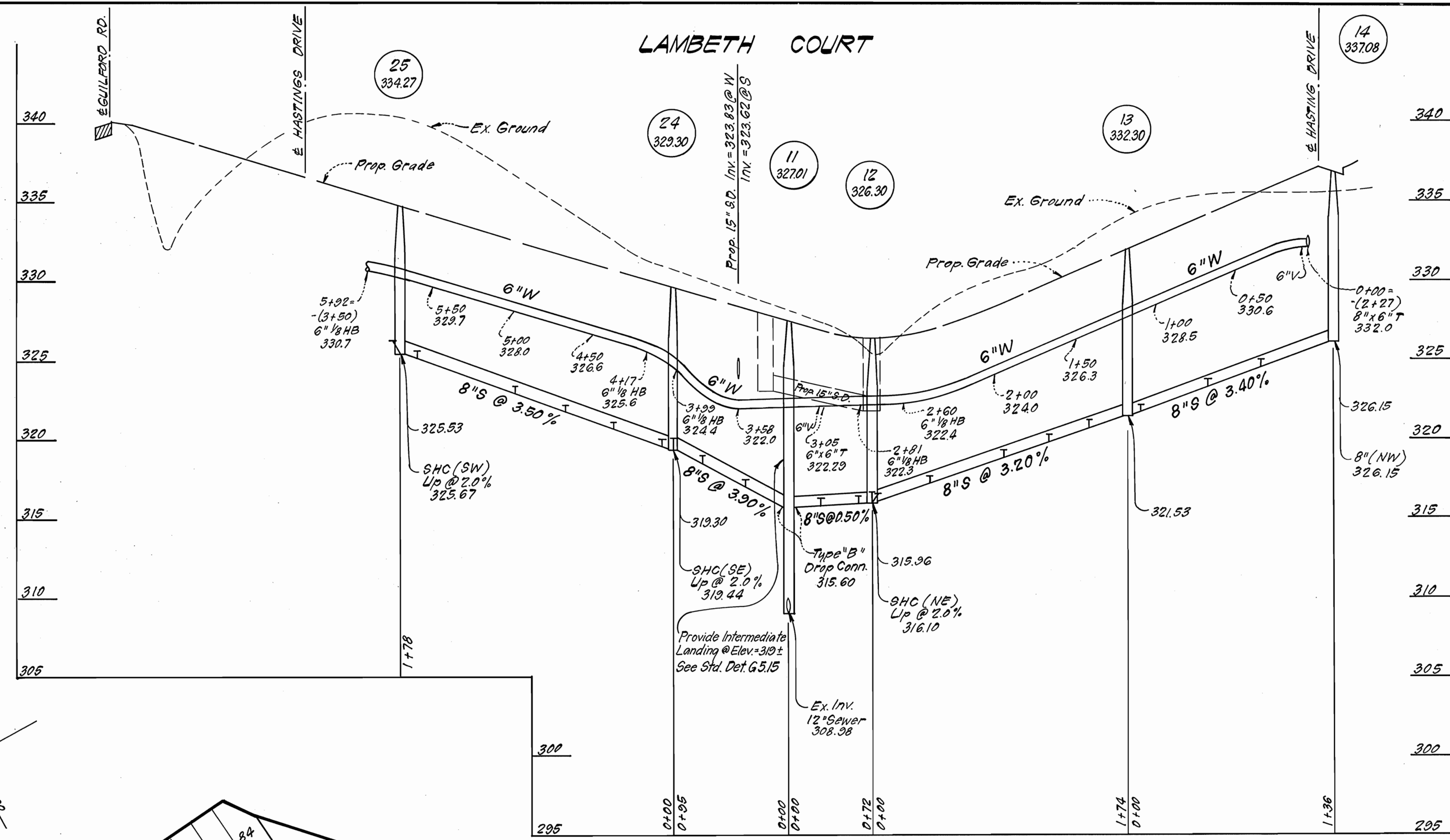
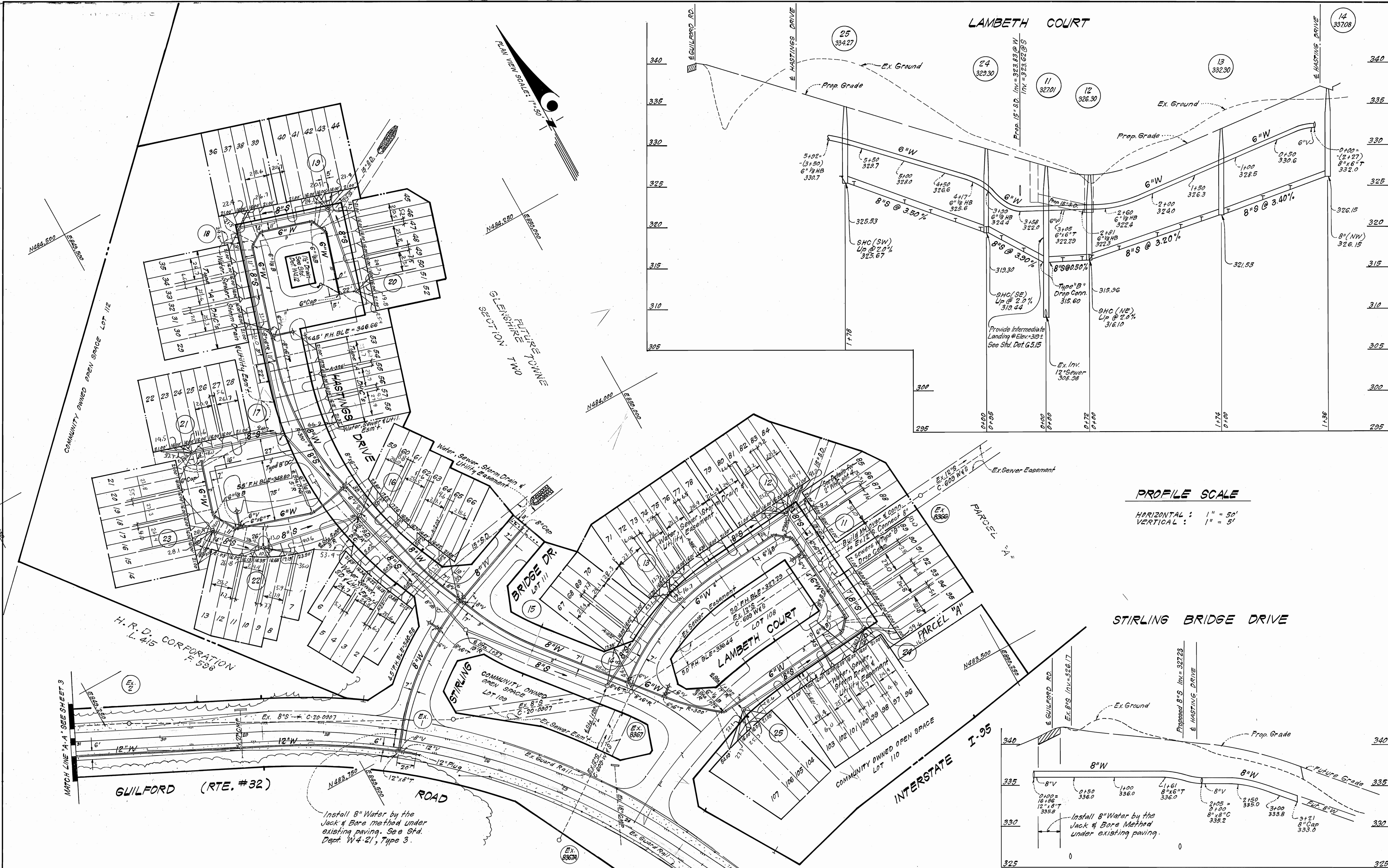


DES: C.K.G.  
 DRN: V.L.B.  
 CHK: C.K.G.  
 DATE: 8/84  
 BY NO. REVISION DATE

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

GLENSHIRE TOWNE  
 SECTION ONE  
 6TH ELECTION DISTRICT  
 CONTRACT NO. 24-1271-D

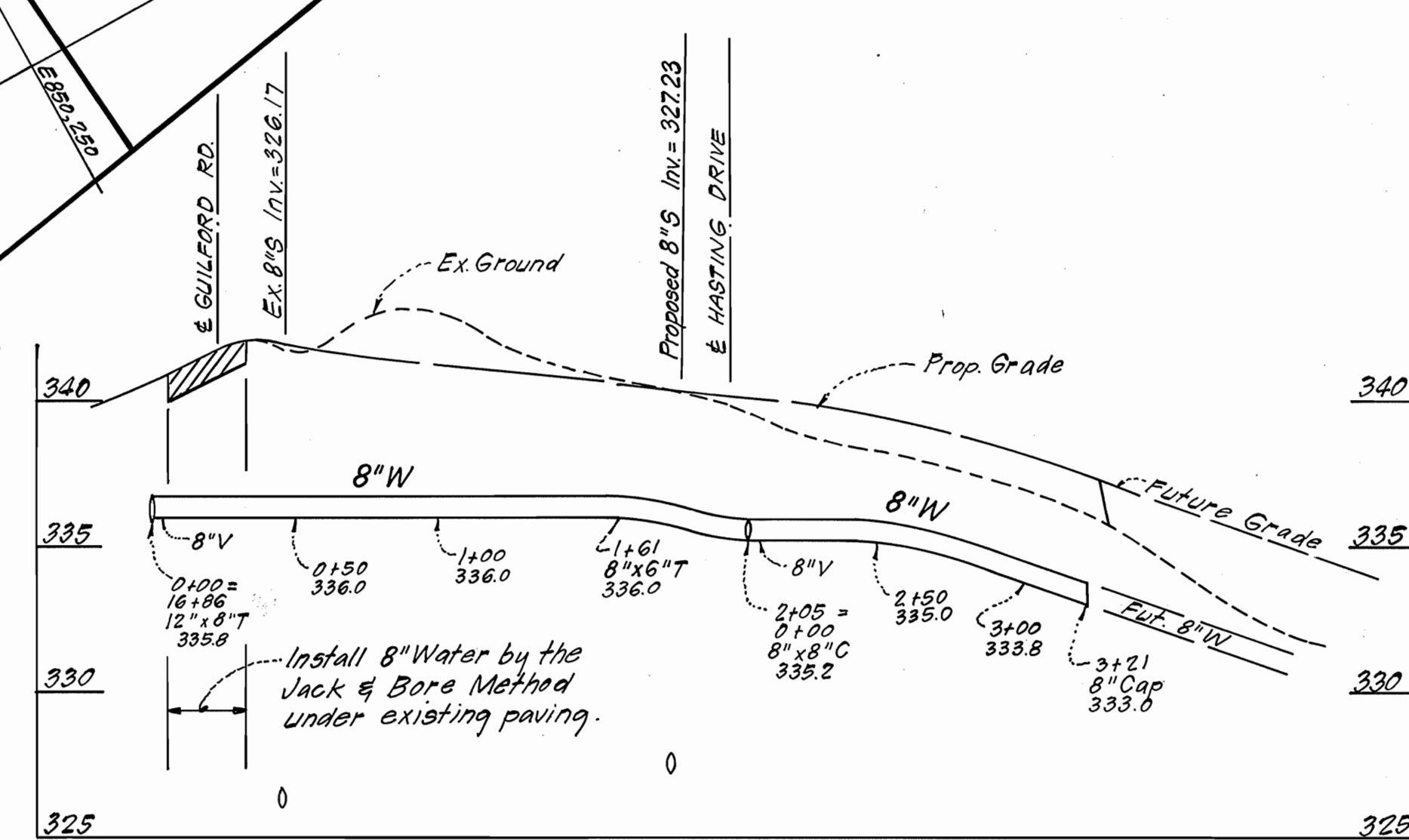
SCALE  
 1" = 600'  
 SHEET  
 1 OF 4



PROFILE SCALE

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

STIRLING BRIDGE DRIVE



Install 8" Water by the Jack & Bore method under existing paving. See Std. Dept. W-21, Type 3.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*John F. Nummy* 10-2-84  
DIRECTOR OF PUBLIC WORKS DATE

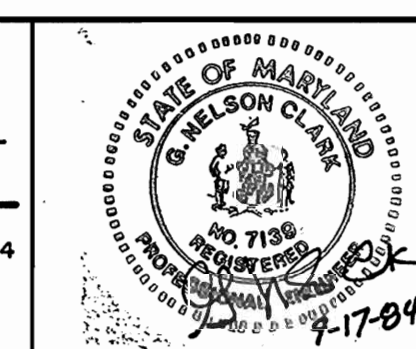
*William E. O'Brien* 9/2/84  
CHIEF, BUREAU OF ENGINEERING DATE

*Robert M. Bowers* 9-27-84  
CHIEF, BUREAU OF UTILITIES DATE

*William H. F.* 10-2-84  
CHIEF, LAND DEVELOPMENT DIV. DATE

**CFE** CLARK · FINEROCK & SACKETT  
ENGINEERS · PLANNERS · SURVEYORS

11515 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904  
(301) 593-3400



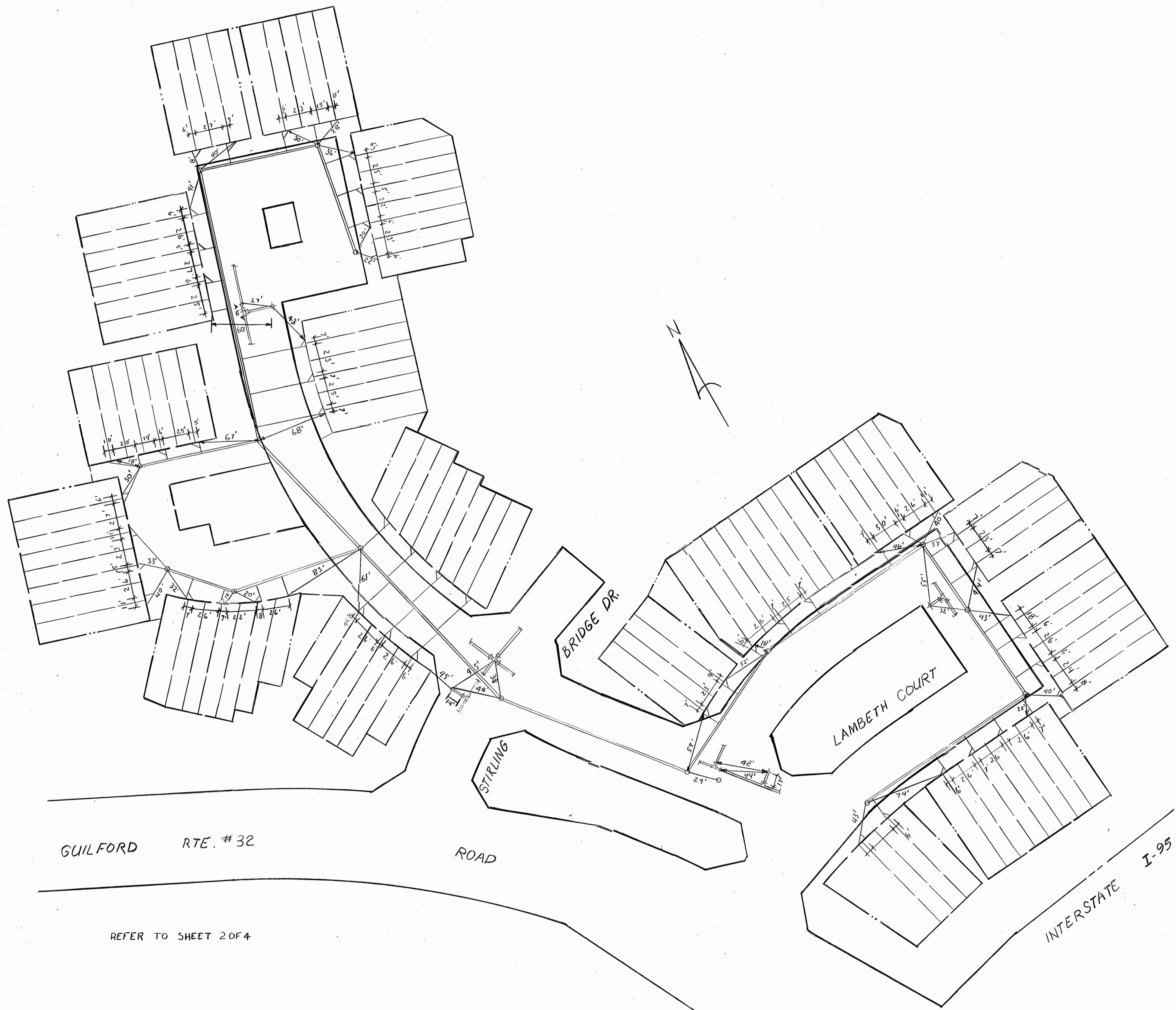
DES: C.K.G.	VLB	Added note to use jack & bore method for Rte. # 32 crossing.	1-30-85
DRN: V.L.B.			
CHK: C.K.G.			
DATE: 8/84			
BY: NO.		REVISION	DATE

PLAN & PROFILES OF  
WATER & SEWER MAINS

600' SCALE MAP NO. 42 BLOCK NO.

GLENSHIRE TOWNE  
SECTION ONE  
6TH ELECTION DISTRICT  
CONTRACT NO. 24-1271-D

SCALE AS SHOWN  
SHEET 2 OF 4



GUILFORD RTE. #32

STIRLING ROAD

BRIDGE DR.

LAMBETH COURT

INTERSTATE I-95

REFER TO SHEET 2 OF 4

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS \_\_\_\_\_ DATE \_\_\_\_\_ CHIEF, BUREAU OF ENGINEERING \_\_\_\_\_ DATE \_\_\_\_\_

DES:				
DRN:				
CHK:				
DATE:				

BY	NO.	REVISION	DATE

600' SCALE MAP NO. \_\_\_\_\_ BLOCK NO. \_\_\_\_\_

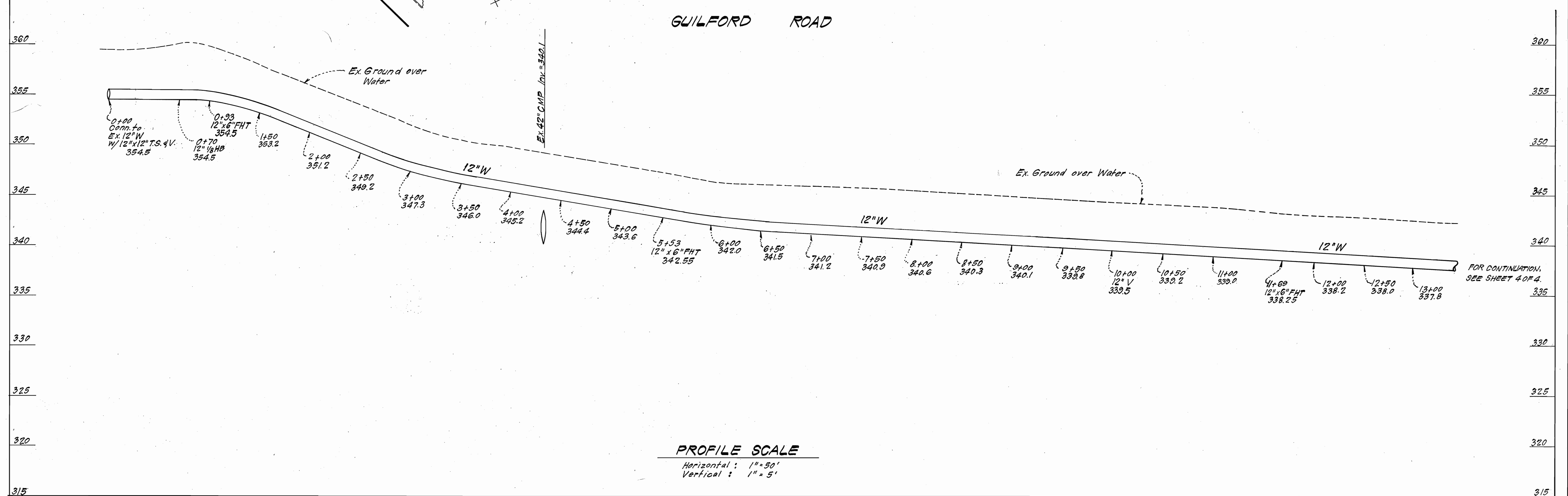
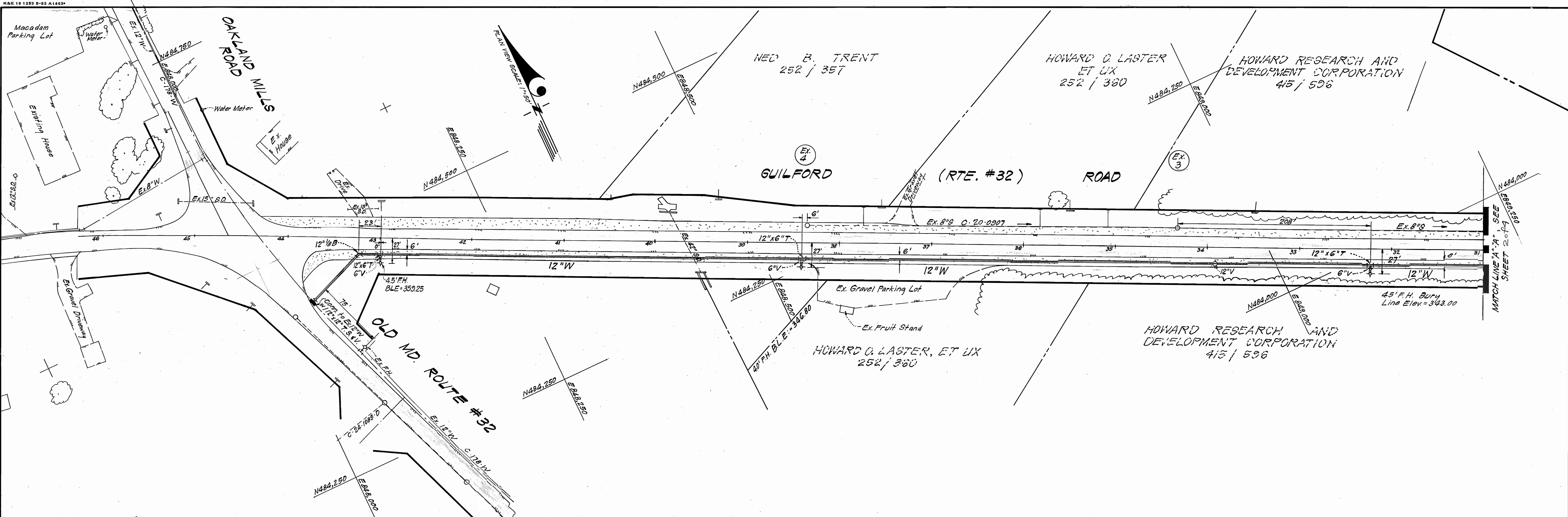
CONTRACT NO. 271-D

SCALE AS SHOWN

SHEET 2 OF 4

SEWER AS-BUILT 6-30-80

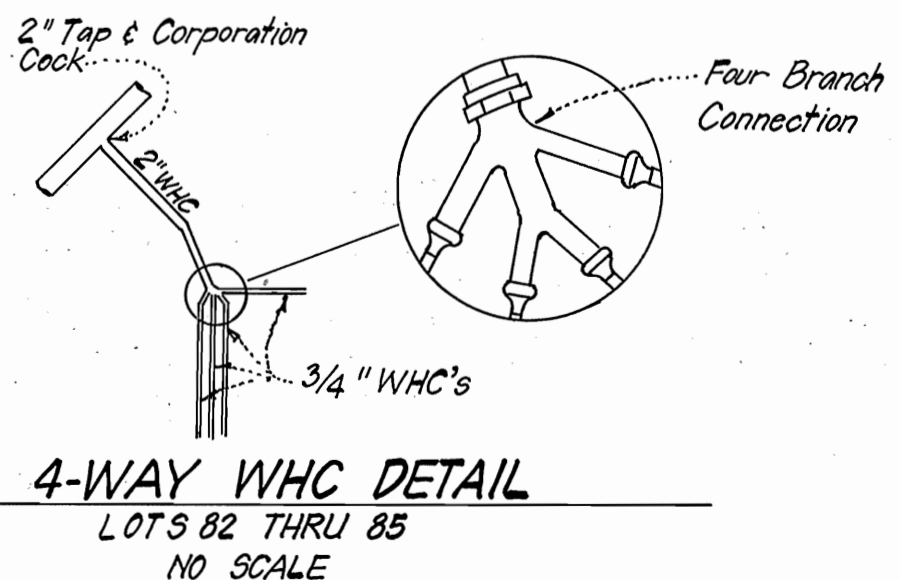
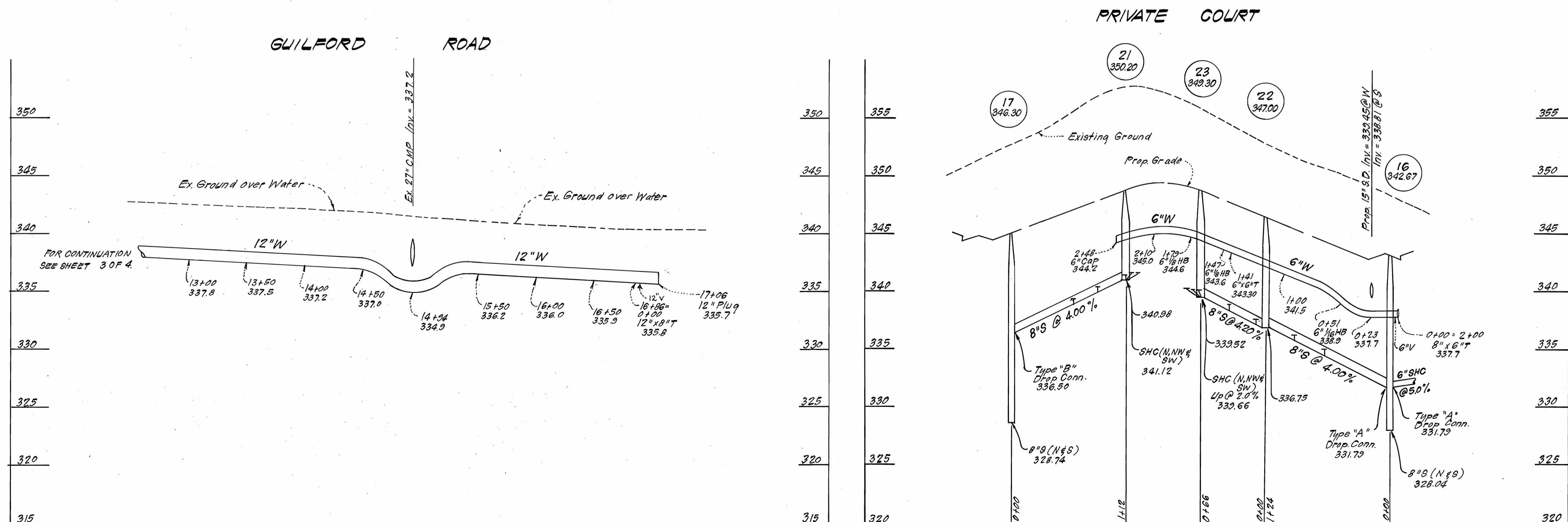
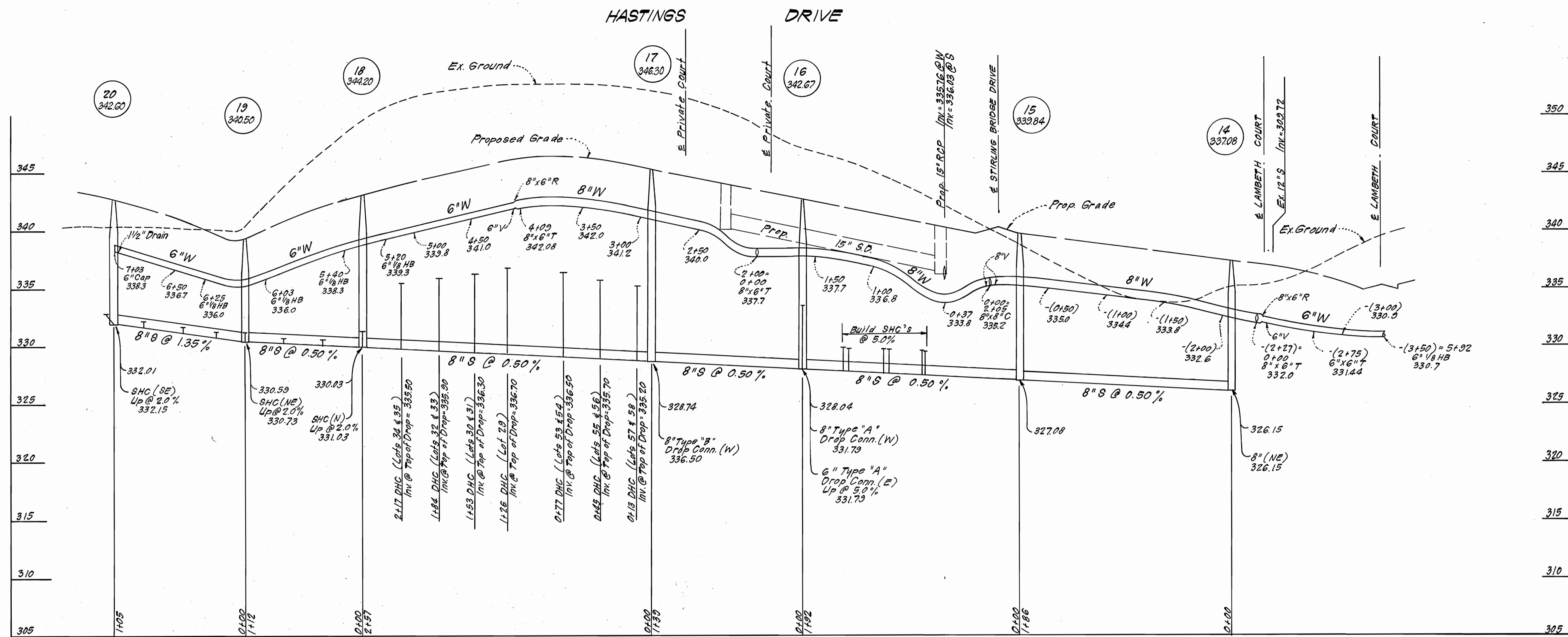
BRUNING 44-132-69150



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

<p>DEPARTMENT OF PUBLIC WORKS          HOWARD COUNTY, MARYLAND</p> <p><i>Robert M. Bennett</i> 10-2-84          DIRECTOR OF PUBLIC WORKS DATE</p> <p><i>Robert M. Bennett</i> 9-27-84          CHIEF, BUREAU OF UTILITIES DATE</p>	<p><b>CFE</b> CLARK · FINEPROCK &amp; SACKETT          ENGINEERS · PLANNERS · SURVEYORS</p> <p>11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904          (301) 593-3400</p>		<p>DES: C.K.G.</p> <p>DRN: V.L.B.</p> <p>CHK: C.K.G.</p> <p>DATE: 8/84</p>	<p>BY: _____ NO. _____</p> <p>REVISION: _____ DATE _____</p>	<p>PLAN &amp; PROFILES OF          WATER &amp; SEWER MAINS</p>	<p>GLENSHIRE TOWNE          SECTION ONE          6TH ELECTION DISTRICT          CONTRACT NO. 24-1271-D</p>	<p>SCALE          AS          SHOWN</p> <p>SHEET  <b>3</b> OF <b>4</b></p>
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SEWER HOUSE CONNECTION TABLE					
LOTS	Inv. @ R.	Min. C.	LOTS	Inv. @ R.	Min. C.
1/2	329.30	332.4	53/54	337.74	340.8
3/4	329.71	332.8	55/56	336.94	340.0
5/6	330.02	333.1	57/58	336.50	339.6
7	335.39	338.5	59/60	333.59	336.7
8/9	336.37	339.5	61/62	329.80	332.9
10/11	337.51	340.6	63/64	329.73	332.8
12/13	338.93	342.0	65/66	329.91	333.0
14/15	340.42	343.5	67/68	324.83	327.9
16/17	340.24	343.3	69/70	323.76	326.9
18/19	340.72	343.8	71/72	322.28	325.4
20/21	341.84	344.9	73/74	321.18	324.3
22/23	341.72	344.8	75/76	320.19	323.3
24	341.34	344.4	77/78	319.20	322.3
25/26	340.34	343.4	79/80	317.57	320.7
27/28	339.06	342.2	81/82	316.52	319.6
29	337.06	340.2	83/84	316.82	319.9
30/31	336.66	339.8	85/86	316.64	319.7
32/33	336.26	339.4	87/88	316.48	319.6
34/35	335.86	339.0	89	317.20	320.3
36/37	330.55	333.7	90/91	318.13	321.2
38/39	330.70	333.8	92/93	319.30	322.4
40/41	330.96	334.1	94/95	320.18	323.3
42	331.11	334.2	96/97	319.97	323.1
43/44	331.35	334.5	98/99	321.13	324.2
45/46	331.59	334.7	100/101	322.22	325.3
47/48	331.94	335.0	102/103	323.37	326.5
49/50	332.28	335.4	104/105	325.92	329.0
51/52	332.55	335.7	106/107	326.43	329.5



DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 Director of Public Works: *Shawn F. Neumeier* 10-2-11  
 Chief, Bureau of Engineering: *Richard B. Bunker* 9-27-84  
 Chief, Bureau of Utilities: *Richard B. Bunker* 9-27-84

CLARK, FINEPROCK & SACKETT  
 ENGINEERS - PLANNERS - SURVEYORS  
 2515 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904  
 (301) 593-3400

DES: C.K.G.  
 DRN: V.L.B.  
 CHK: C.K.G.  
 DATE: 8/84

PROFILES OF  
 WATER & SEWER MAINS

GLENSHIRE TOWNE  
 SECTION ONE  
 6<sup>TH</sup> ELECTION DISTRICT  
 CONTRACT NO. 24-1271-D

SCALE  
 HORZ: 1"=50'  
 VERT: 1"=5'  
 SHEET  
 4 OF 4