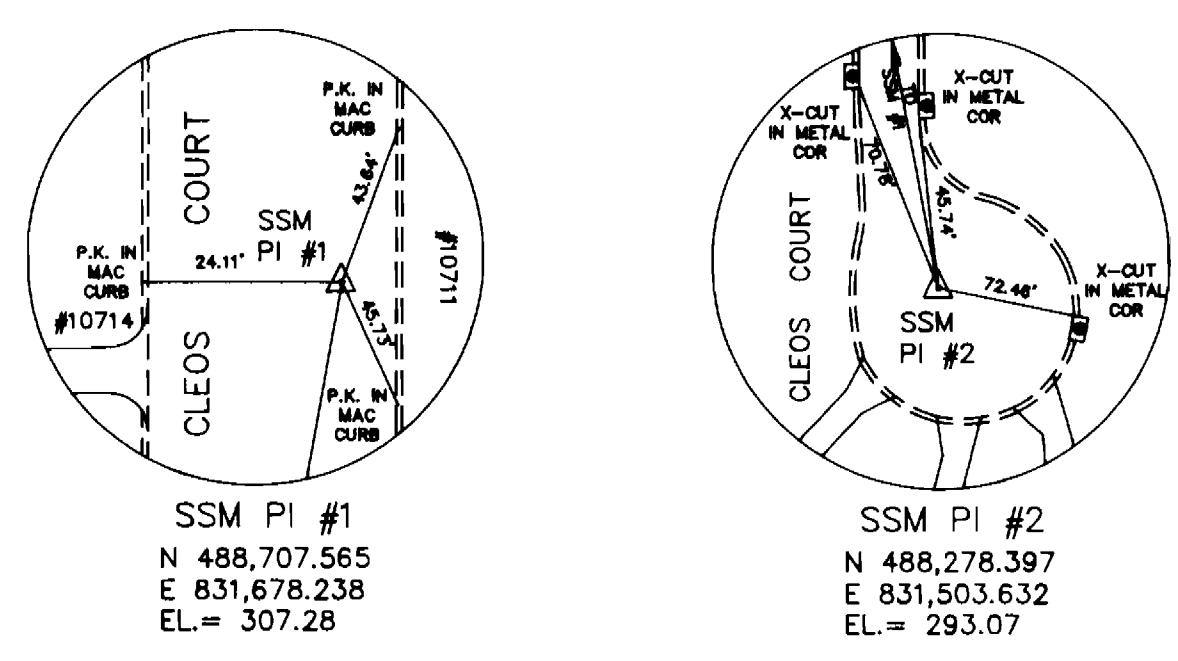
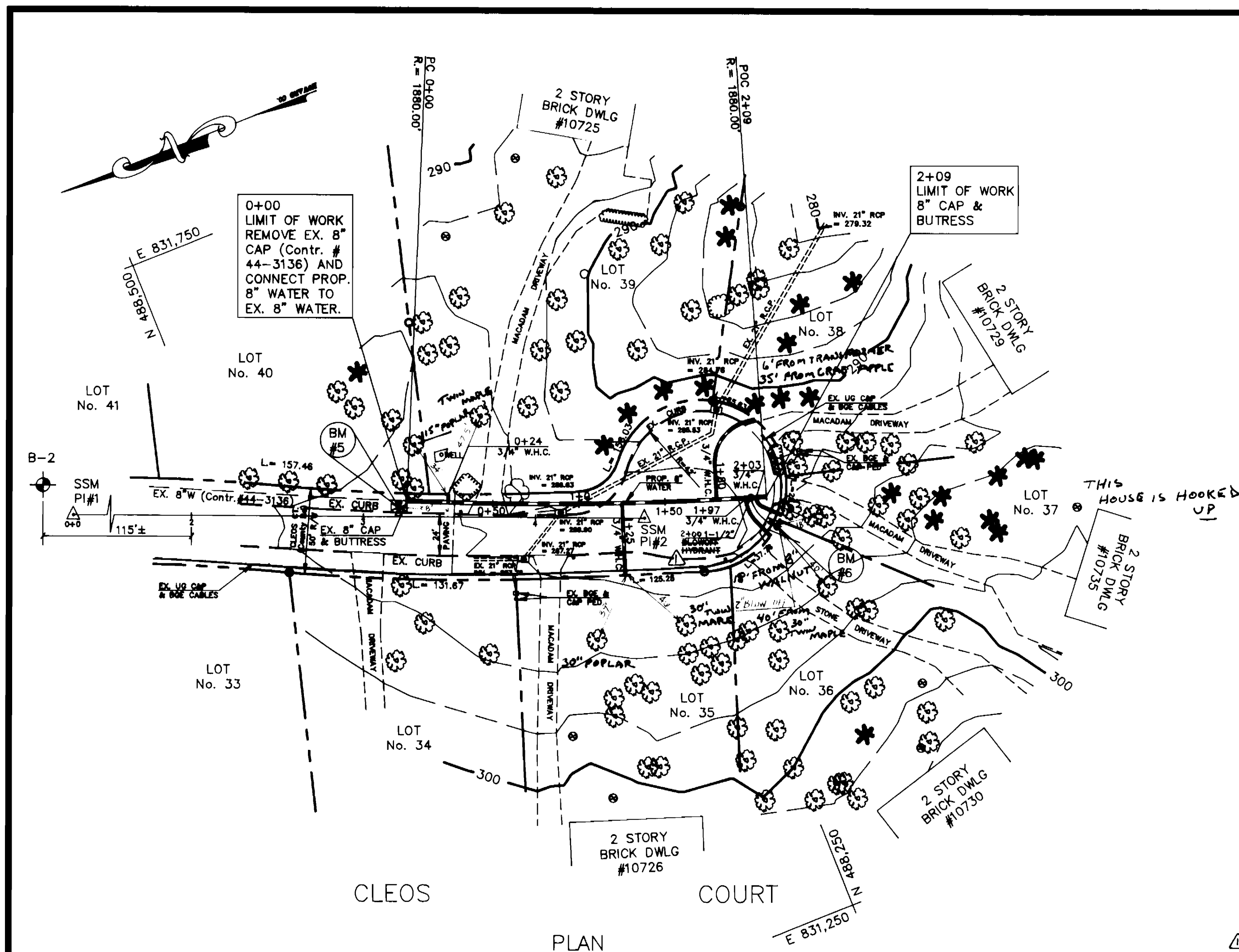
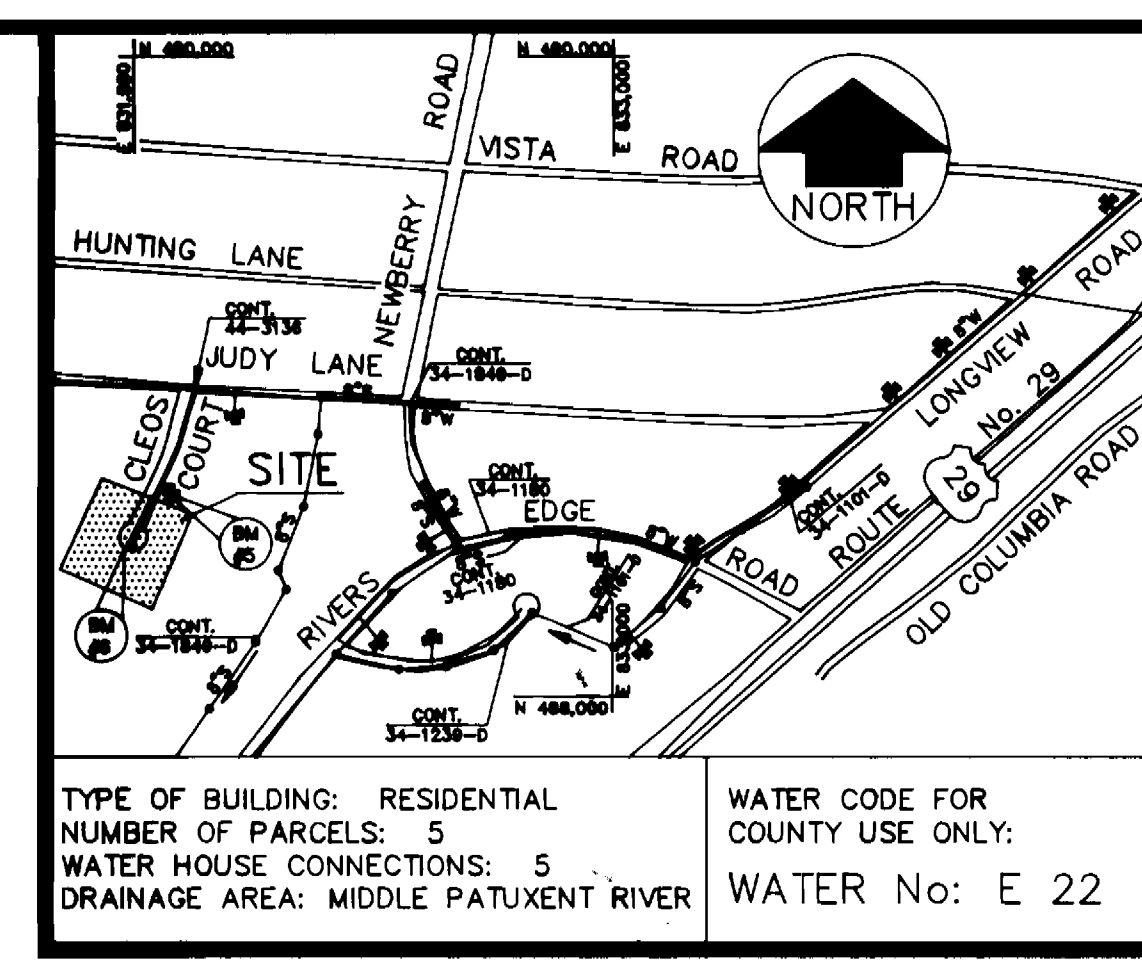


3402 ws/1 Cleo's Ct. H2O Ext. C.P.# W-8695



**SURVEY NOTES:**  
 1. SURVEY CONTROL IS BASED ON TRAVERSE AND BENCH MARKS AS SHOWN ON THE DRAWING ENTITLED "CLEO'S COURT WATER EXTENSION, CAPITAL PROJECT W-8691, CONTRACT No. 44-3136, SHEET No. 3 OF 4", PREPARED BY WALLACE, MONTGOMERY & ASSOCIATES, DATED AUGUST 14, 1991.  
 2. PART OF RIVERSIDE ESTATES, SECTION 4, TAX MAP 41, SHEET 3 OF 3, RECORDED IN PLATBOOK C.M.P. No. 3817.

**BENCH MARKS**  
 BM #5 EL = 296.74  
 "+ " CUT ON ROAD SIDE FLANGE BOLT OF FIRE HYDRANT, EAST SIDE OF CLEO'S COURT, 45' ± NORTH OF DRIVEWAY TO HOUSE No. 10725.  
 BM #6 EL = 292.15  
 BOX CUT ON TOP OF CURB IN CUL-DE-SAC, BETWEEN DRIVEWAYS TO HOUSE Nos. 10730 & 10735 CLEO'S COURT.



TYPE OF BUILDING: RESIDENTIAL  
 NUMBER OF PARCELS: 5  
 WATER HOUSE CONNECTIONS: 5  
 DRAINAGE AREA: MIDDLE PATUXENT RIVER  
 WATER CODE FOR COUNTY USE ONLY:  
 WATER No: E 22

**STAKEOUT SCHEDULE**

STRUCTURE	DISTANCE	OFFSET
PC 0+00	SSM #1 TO SSM #2	Lt. 9.18'
LIMIT OF WORK	3+25.18	
0+24	SSM #1 TO SSM #2	Lt. 8.42'
8" H.C. W.H.C.	3+49.17	
1+00	SSM #1 TO SSM #2	Lt. 8.06'
4+25.18	4+25.18	
1+25	SSM #1 TO SSM #2	Lt. 8.61'
8" H.C. W.H.C.	4+50.16	
1+80	SSM #1 TO SSM #2	Lt. 11.00'
8" H.C. W.H.C.	5+05.10	
1+47	SSM #1 TO SSM #2	Lt. 12.06'
8" H.C. W.H.C.	5+22.07	
2+00	SSM #1 TO SSM #2	Lt. 12.26'
1 1/2" BLOWOFF HYDRANT	5+25.06	
2+03	SSM #1 TO SSM #2	Lt. 12.47'
8" H.C. W.H.C.	5+28.06	
2+09	SSM #1 TO SSM #2	Lt. 12.90'
LIMIT OF WORK	5+34.04	

**RESTORATION SCHEDULE**

LOCATION	DISTANCE	TYPE
0+0 TO 0+38	38 LF.	SEEDING
8" WATER		
0+38 TO 0+57	19 LF.	MACADAM
8" WATER		
0+57 TO 1+14	57 LF.	SEEDING
8" WATER		
1+14 TO 2+09	95 LF.	PAVING
8" WATER		
3/4" WATER W.H.C.	112 LF.	PAVING
3/4" WATER W.H.C.	40 LF.	SEEDING

**QUANTITIES**

ITEM	UNIT	ESTIMATE	AS-BUILT	MATERIAL SUPPLIER
8" W	LF.	209	209	FERRIS EXCAVATION
3/4" W	LF.	152	123	WATER MAIN
BLOW-OFF HYD.	EA.	1	1	WATER MAIN
8" CAP & BUTTRISS	EA.	1	1	FERRIS EXCAVATION

NAME OF UTILITY CONTRACTOR: IACAPONE SITE SERV., INC.

CHECKBOX:

AS-BUILT DATE: 9/2/95

SURVEY AND DRAFTING DIVISION

**STANDARD SEDIMENT CONTROL NOTES**

- A MINIMUM OF 24 HOURS MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS, PRIOR TO THE START OF ANY CONSTRUCTION (410-313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH SECTION 219 OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
  - 7 CALENDER DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
  - 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (Sec. 51), SO (Sec. 52), TEMPORARY SEEDING (Sec. 50) AND MULCHING (Sec. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:**

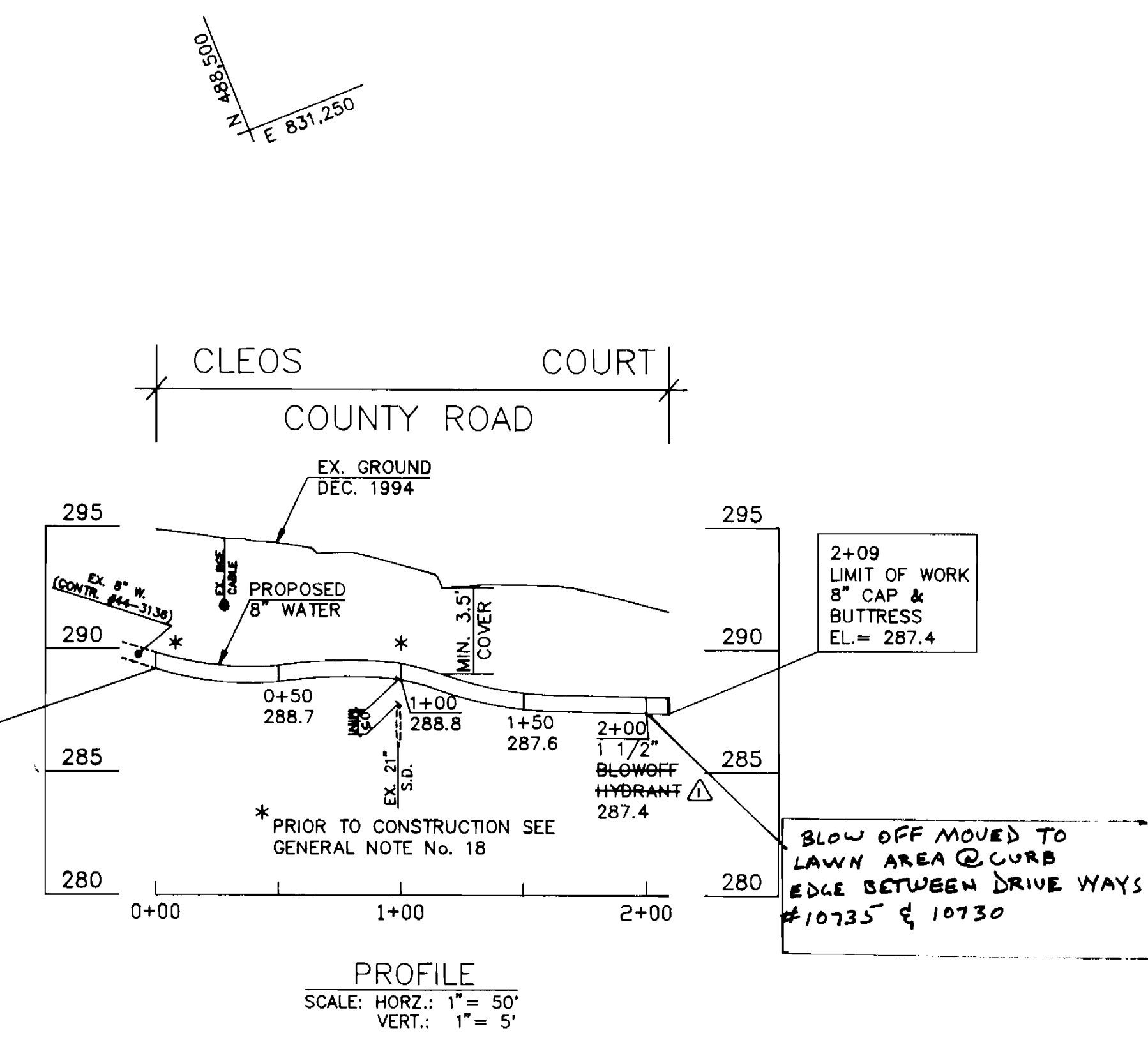
TOTAL AREA OF SITE	NA	ACRES
AREA DISTURBED	0.30	ACRES
AREA TO BE ROOFED OR PAVED	0.02	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.01	ACRES
TOTAL CUT	215	CU. YDS.
TOTAL FILL	215	CU. YDS.
OFFSITE WASTE/BORROW AREA LOCATION	NA	
- ALL SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF THE DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE (3) PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- CONTRACTOR SHALL PLACE EXCAVATED MATERIALS ON UPHILL SIDE OF TRENCH AND PLACE SILT FENCE ON DOWNHILL SIDE OF TRENCH.
- REFER TO CONTRACT SPECIFICATIONS (PROJECT MANUAL) FOR SEEDING NOTES.

**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT.
- LAYOUT ALIGNMENT AT SITE.
- INSTALL SEDIMENT CONTROL DEVICE (STRAW BALES) PERPENDICULAR TO THE CURB ON THE DOWN-SLOPE SIDE OF CONSTRUCTION.
- EXCAVATE DITCH TO THE GRADE SPECIFIED ON THE PROFILE.
- INSTALL WATER MAIN.
- BACKFILL TRENCH AND RESURFACE WITH BITUMINOUS PAVING WHERE NEEDED.
- CLEAN UP CONSTRUCTION SITE.
- REMOVE SEDIMENT CONTROL DEVICES AFTER PERMISSION IS GRANTED BY THE SEDIMENT CONTROL INSPECTOR.

**DEVELOPER'S CERTIFICATION**  
 "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 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 CONSERVATION DISTRICT."  
 [Signature] DATE: 12/23/94  
 BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS

**ENGINEER'S CERTIFICATION**  
 "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 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 CONSERVATION DISTRICT."  
 [Signature] DATE: 12/23/94  
 TIMOTHY W. WOLFE  
 SPOTTS, STEVENS & MADDY, INC. 585 FAIRMOUNT AVENUE, SUITE 230 TOWSON, MARYLAND 21284  
 THIS DEVELOPMENT PLAN IS APPROVED FOR THE SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 [Signature] DATE: 1/14/95  
 U.S. SOIL CONSERVATION SERVICE APPROVED HOWARD COUNTY S.C.D.



**BORING SCHEDULE**

BORING	TRAV. STA.	OFFSET	DEPTH
B - 2	0+89.54	Lt. 14.69'	8'

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

SSM  
 SPOTTS, STEVENS & MADDY, INC.  
 ENGINEERS + SURVEYORS + SCIENTISTS  
 585 FAIRMOUNT AVENUE, SUITE 230  
 TOWSON, MARYLAND, 21286-5467  
 (410) 284-0500 FAX (410) 286-3880

DES: FCL  
 DRN: RPG  
 CHK: TWW  
 DATE: DEC. 94

8-INCH WATER MAIN  
 PLAN, PROFILE & NOTES  
 CLEO'S COURT

CLEO'S COURT WATER EXTENSION  
 CAPITAL PROJECT No. W-8695  
 CONTRACT No. 44 - 3402  
 ELECTION DISTRICT No. 5  
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
 SHEET 1 OF 1

AS BUILT 9/20/95

TOPOGRAPHIC  
SURVEY  
PLAT

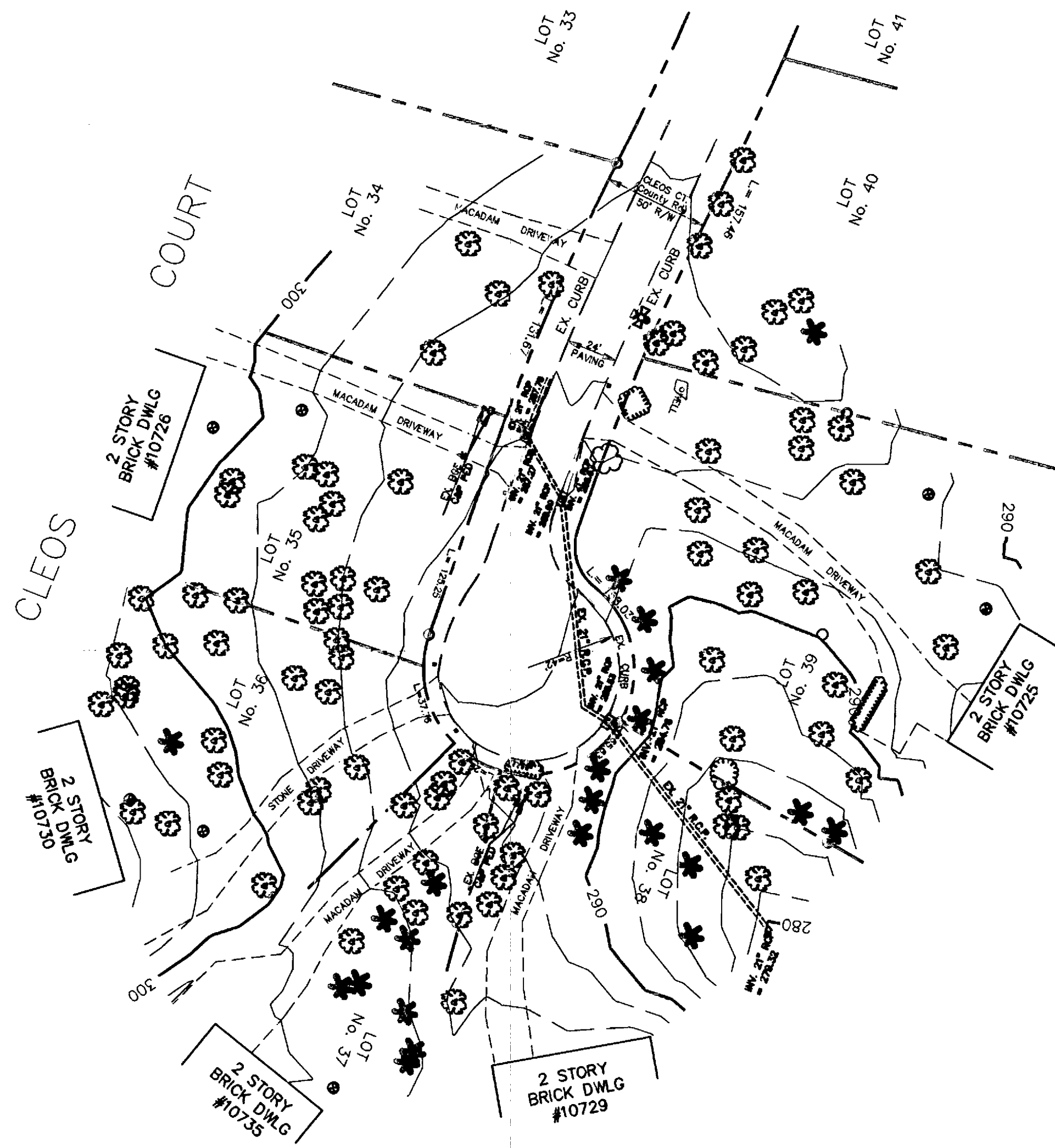
SUBD. NAME: RIVERSIDE ESTATES  
 SEC: \_\_\_\_\_ AREA: \_\_\_\_\_  
 CAP. PROJ. NO. W-8695  
 CONTRACT NO. 44-3402  
 FIELD BOOK NO. 403  
 SCALE: 1" = 50'

PREPARED BY:



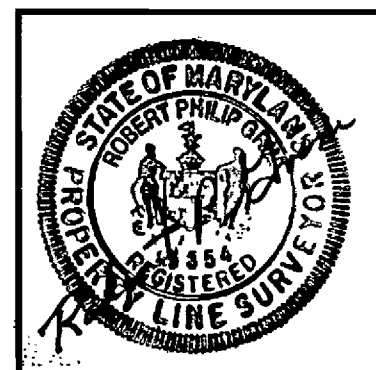
SPOTTS, STEVENS and McCOY, INC.  
 ENGINEERS • SURVEYORS  
 PLANNERS • SCIENTISTS  
 555 Fairmount Ave., Suite 230  
 Towson, Maryland 21286-5497  
 (410) 494-0500 FAX 296-3580

SHEET NO. 1 OF 1



SURVEYOR'S CERTIFICATION

I, Robert P. Grim, certify that this Topographic Survey is the actual record of the electronic data collection topographic survey performed by me or by personnel under my direct supervision. This plat is the original and final graphic representation of the field survey performed on or about 23 November, 1994. The instruments used to perform this survey were, Theodolite: TOPCON, GTS 3B. Accuracy: Distance measurement, +/- (5mm + 5 ppm)m.s.e., Angular Measurement: Less than 5", Data Collector: Hewlett Packard, 485X. This Topographic Survey Plat meets requisite accuracy as specified for this project by the Howard County, Department of Public Works.



NO.	DATE	DESCRIPTION	BY	NO.	DATE	DESCRIPTION	BY
6				12			
5				11			
4				10			
3				9			
2				8			
1				7			

3402 POS. SHT. C.P. # W-8695