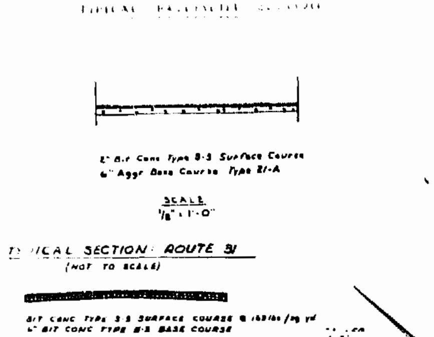
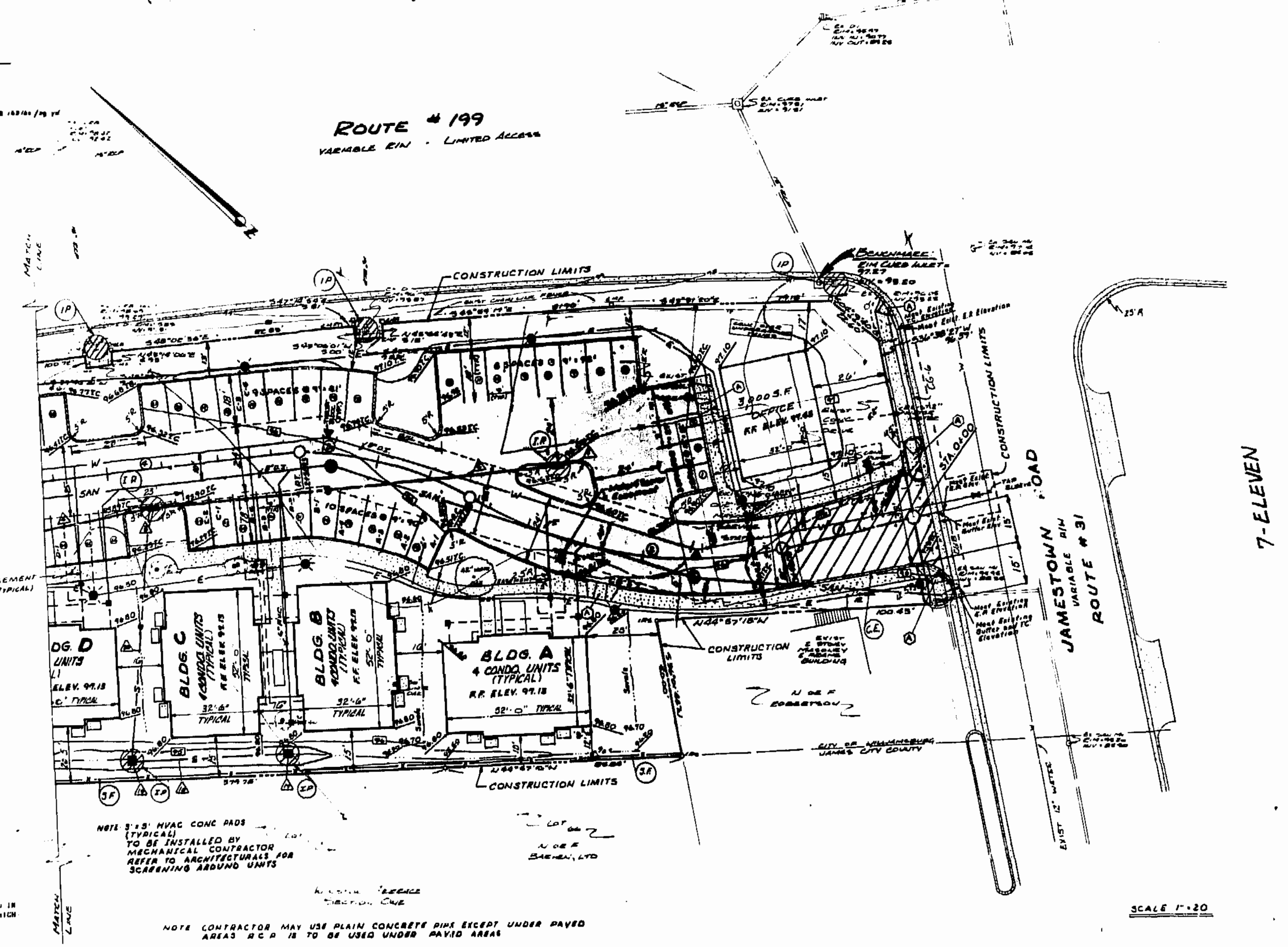
TYPICAL PAVEMENT SECTION



ROAD CENTERLINE DATA

NO.	DELTA (BEARING)	RADIUS (DISTANCE)	ARC LENGTH	CHORD LENGTH
1	N52°56'18"W	48.08'		
2	38°40'30"	166.75'	113.00'	110.85'
3	35°12'50"	147.82'	90.85'	80.55'
4	N49°10'29"W	108.27'		
5	08°47'27"	583.89'	80.50'	89.50'
6	20°31'12"	176.79'	62.98'	63.31'
7	N61°03'14"W	35.00'		
8	28°12'29"	163.52'	80.50'	79.68'
9	27°32'00"	60.15'	28.91'	28.63'
10	N61°43'34"W	23.98'		



(A) DENOTES CURB CUT RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION STANDARDS.

NOTE CONTRACTOR MAY USE PLAIN CONCRETE PIPE EXCEPT UNDER PAVED AREAS R.C.P. IS TO BE USED UNDER PAVED AREAS

STORM INLET SUMMARY

NO	TYPE	LENGTH	RIM. ELEV	HEIGHT
1	MOD DI-2	2'-7"	96.00	3.00'
3	DI-3C	8'-0"	95.85	4.37'
5	DI-3B	8'-0"	95.91	5.20'
7	DI-3A	2'-6"	96.76	7.30'
9	DI-3B	4'-0"	96.30	7.94'
11	MH-1	-	98.30	11.35'
13	MH-1	-	90.80	5.00'
15	MH-1	-	87.70	3.07'
17	CDI	12" DIA	94.70	2.00'
19	CDI	12" DIA	94.40	2.00'

STORM CULVERT SUMMARY

NO.	SIZE	TYPE	LENGTH	INV. (UP)	INV. (DOWN)	SLOPE (FT./FT.)	VEL. (FT./SEC.)
2	12"	R.C.P.	148'	93.00	92.78	.0015	3.2
4	15"	R.C.P.	144'	91.53	90.81	.0050	4.0
6	15"	R.C.P.	144'	90.71	89.56	.0080	3.2
8	15"	R.C.P.	84'	89.46	88.31	.0080	3.2
10	15"	R.C.P.	70'	88.21	88.05	.0080	3.2
12	15"	R.C.P.	144'	87.05	85.90	.0080	3.1
14	15"	R.C.P.	92'	85.80	84.98	.0100	6.2
16	15"	R.C.P.	84'	85.23	82.56	.0080	3.2
18	12"	C.P.	52'	92.70	92.40	.0058	1.2
20	12"	C.P.	88'	92.40	91.73	.0076	3.2

REQUIRED WATERLINE

- 233 L.F. 8" D.I. CLASS 52 WATERLINE
- 32 L.F. 6" D.I. CLASS 52 FIRELINE
- ~~L.F. D.I. CLASS 52 WATERLINE~~
- 2 - 8" GATE VALVE
- 3 - 6" GATE VALVES
- 3 - 8" 22½° BENDS
- 1 - 12"x8" TAP SLEEVE
- 3 - 8"x8"x6" TEES
- 3 - 6" FIRE HYDRANTS
- 1 - 8" TO 4" REDUCER
- ~~GATE VALVE~~

12:40 p.m.
Recorded 1st day of August 1984 in
D.B. No. 68 pages 46
[illegible] Clerk

GENERAL NOTES

1. ALL WORK TO BE IN ACCORDANCE WITH THE VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION, "ROAD AND BRIDGE SPECIFICATIONS", DATED 1982, AND THE VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION, "ROAD AND BRIDGE STANDARDS", 1982, UNLESS OTHERWISE NOTED.
2. VERTICAL CONTROL IS BASED ON BENCH MARK SHOWN ON PLANS.
3. HORIZONTAL CONTROL BASED UPON PROPERTY LINES SHOWN ON PLANS, SURVEY BY SITAPMAN AND ASSOCIATES, INC.
4. SELECT CLEARING AND GRUBBING TO CONSIST OF REMOVAL OF ALL TREES, ROOTS, STUMPS AND SNAGS EXCEPT THOSE TREES DESIGNATED BY OWNER TO REMAIN, ALL TREES SO DESIGNATED TO BE PROTECTED FROM DAMAGE TO THE TRUNK AND ROOT SYSTEM.
5. THE CONTRACTOR TO STRIP TOPSOIL MATERIAL TO A DEPTH APPROXIMATELY 8" UNDER ROADWAY LOCATION. STRIPPED TOPSOIL TO BE STOCKPILED ON SITE AT LOCATIONS DESIGNATED BY OWNER. STRIPPING NOT TO BE CARRIED OUT WHEN SOIL IS ABNORMALLY WET. REMOVE ALL TRASH AND OTHER EXTRANEOUS MATTER FROM TOPSOIL WHEN STOCKPILING.
6. TO CONTROL EROSION DURING CONSTRUCTION, SILT FENCES ARE TO BE INSTALLED AS SHOWN ON THE PLANS. DOUBLE LINE OF STRAW BALES AROUND ALL DROP INLETS. ALL INLETS TO HAVE DEBRIS BASINS.

   ALL SILT FENCES AND STRAW BALES TO REMAIN IN PLACE AND MAINTAINED UNTIL EITHER CONSTRUCTION REQUIRES THEIR REMOVAL OR VEGETATIVE COVER IS ESTABLISHED. ALL EROSION CONTROL TO BE IN ACCORDANCE WITH VIRGINIA SOIL AND WATER CONSERVATION COMMISSION, "EROSION AND SEDIMENT CONTROL HANDBOOK", SECOND EDITION, 1980.
7. ALL AREAS DISTURBED BY CONSTRUCTION AND NOT OCCUPIED BY STRUCTURES OR PAVING TO BE TOP SOILED, SEEDED, FERTILIZED AND MULCHED IN ACCORDANCE WITH APPROPRIATE SECTIONS OF THE SPECIFICATIONS, OR PLAN GENERAL NOTES.
8. ALL DRAINAGE STRUCTURES TO CONFORM TO VIRGINIA DEPARTMENT OF HIGHWAYS AND TRANSPORTATION, "ROAD AND BRIDGE STANDARDS", 1982, UNLESS OTHERWISE INDICATED.
9. ST'D. CURB AND PAVED GUTTERS TO HAVE EXPOSED AGGREGATE FINISH AND CONFORM TO VDH&T ST'D. GRADE SLOPES 2:1 OVER STORM DRAINS AND IN SWALES. NO EXPOSED AGGR. IN R/W
10. INVERTS OF STORM DRAINAGE PIPES AND STRUCTURES MAY VARY SLIGHTLY TO SUIT EXISTING UNDISTURBED GROUND.
11. TEMPORARY CONSTRUCTION ENTRANCE SHALL BE PROVIDED AT THE LOCATION SHOWN ON PLAN. THIS ENTRANCE IS TO BE CONSTRUCTED IN ACCORDANCE WITH "VIRGINIA EROSION AND SEDIMENT CONTROL", PG. III-1.
12. TEMPORARY SEDIMENT BASINS, PERIMETER DIKES, EROSION CONTROL STONE AND STRAW BALE BARRIERS SHALL BE PLACED DURING CLEARING AND GRUBBING ACTIVITIES. THESE STRUCTURES ARE TO BE CHECKED PERIODICALLY AND CLEANED AS NECESSARY.
13. THE CONTRACTOR SHALL COMPLETE DRAINAGE FACILITIES WITHIN 30 DAYS FOLLOWING COMPLETION OF ROUGH GRADING AT ANY POINT WITHIN THE PROJECT.
14. ALL EROSION CONTROL MEASURES (SEDIMENT BASINS, DIKES, ETC.) SHALL HAVE BEEN INSTALLED PRIOR TO OR DURING CLEARING.
15. ALL DISTURBED AREAS WHICH ARE NOT DESIGNATED FOR PAVING, UTILITY OR STRUCTURAL USES SHALL NOT BE EXPOSED FOR LONGER THAN 30 DAYS. VEGETAL COVER SHALL BE ESTABLISHED AS FOLLOWS:

TOPSOIL	4" THICK
LIME	4000 LBS./AC.
FERTILIZER	1000 LBS. 10 10 10/AC.
MULCH	3000 LBS./AC.
K-31 SEED	100 LBS./AC.

16. ALL AREAS DESIGNATED FOR PAVING, UNDERGROUND UTILITIES AND STRUCTURAL USE SHALL BE STABILIZED AS SOON AS PRACTICAL BUT NOT EXCEEDING 30 DAYS FOLLOWING INSTALLATION. NO MORE THAN 300' OF SANITARY SEWER OR STORM SEWER ARE TO BE OPEN AT ONE TIME. BASE COURSE MATERIAL SHALL BE PLACED IN ALL PARKING AND STREET AREAS WITHIN 30 DAYS OF FINAL GRADING.
17. ALL STORM WATER MANAGEMENT FACILITIES INCLUDING EROSION CONTROL STONE ARE TO BE INSTALLED AND MADE OPERATIONAL WITHIN 30 DAYS FOLLOWING THE START OF CLEARING OPERATIONS. THE INSTALLATION OF DRAINAGE FACILITIES SHALL TAKE PRECEDENCE OVER ALL OTHER UNDERGROUND UTILITIES.
18. PRIOR TO COMMENCEMENT OF CONSTRUCTION CONTRACTOR TO NOTIFY OWNERS OF ALL UTILITIES (VEPCO, C & P, ETC.) OF PROPOSED CONSTRUCTION SO THAT THEY MAY LOCATE AND SAFEGUARD THEIR FACILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
19. WATER AND SEWER LINES TO BE INSTALLED IN ACCORDANCE WITH CITY OF WILLIAMSBURG REQUIREMENTS AS STATED IN WATER AND SEWER NOTES.

Langley and McDonald
A PROFESSIONAL CORPORATION
ENGINEERS·PLANNERS·SURVEYORS
VIRGINIA BEACH · WILLIAMSBURG, VIRGINIA

DES	BBG
DWN	LED
CHK	BBG
DATE	2 27 84

SITE PLAN
PEPPERTREE CONDOMINIUMS
WILLIAMSBURG, VIRGINIA
PREPARED FOR
DMI, INC.

PROJ NO	83-245
FLD BK NO	
SHEET	2 OF 8
DWG	1245