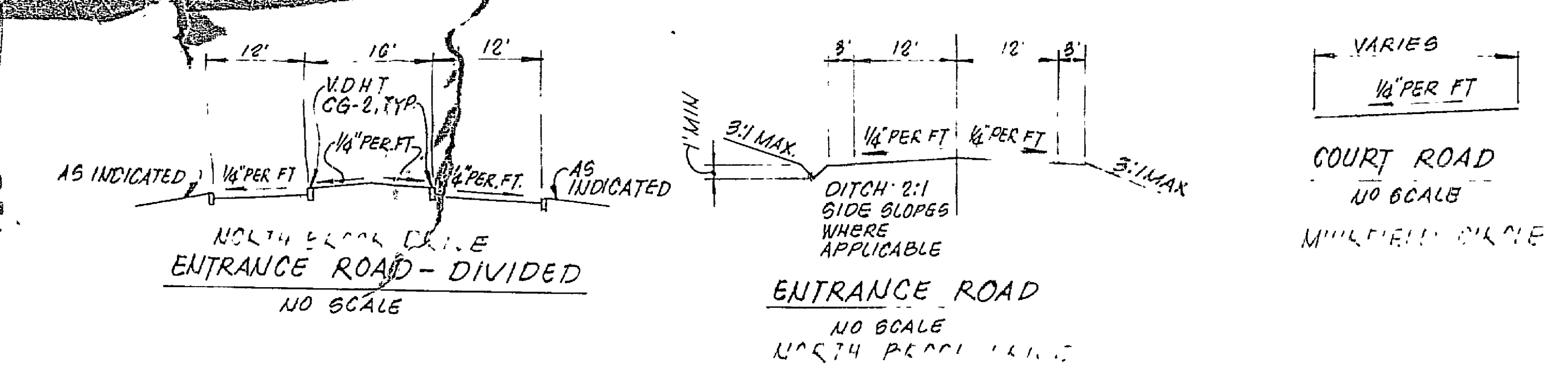




- NOTES**
- Sanitary sewer pipe shall be SDR 35 PVC (ASTM D-3034-72) bedded to springline of pipe with VDOT #57 stone.
 - Water pipe 6" and larger shall be ANNA C151 Class 50 ductile iron pipe, cement lined and bituminous coated.
 - Fire hydrants shall have 3" main valve, 1 1/2" Pentagon operating nut, two 2 1/2" hose nozzles and are 4 1/2" pumper nozzles (all nat'l std threads), 6" MJ connection, painted blue body and red bonnet and caps, and shall be Kennedy K-81, Mueller centerline or equal.
 - Harnessing shall be ITT Grinnell Figure 590's or equal.
 - Sanitary sewer facilities and water system facilities shall be in accordance with Roanoke County standard specifications and the detail sheets heretofore. Static working pressure of the water system is 70 pounds.
 - Storm drain pipe shall be Class III reinforced concrete. Headwalls, manholes, inlets and other storm drain system facilities shall be in accordance with VDOT standards.
 - Erosion control facilities shall comply with the State's and Roanoke County's Erosion and Sediment Control Handbook.
 - Pavement shall be 6" of #21A aggregate base course on a compacted subgrade with 2" of 3-5 bituminous surface course on a prime base course, all in accordance with VDOT standards and specifications.
 - 40' OF 1/2" IRRIGATION PIPING, PLUG BOTH ENDS AND MARK WITH A 2X4 STAKE WITH THE END OF THE STAKE PAINTED ORANGE.
 - 4 DENOTES THROTTLE BLOCK
 - ALL DISTURBED AREA SHALL BE SEED & MULCHED
 - THE EXISTING AND PROPOSED DRAINAGE SHALL BE MAINTAINED PARALLEL TO THE CHALK FOR 100' MINIMUM. ALL STATION AND DIMENSIONS SHALL BE COLLECTED

SAINTLY IN PROGRESS SCHEDULE

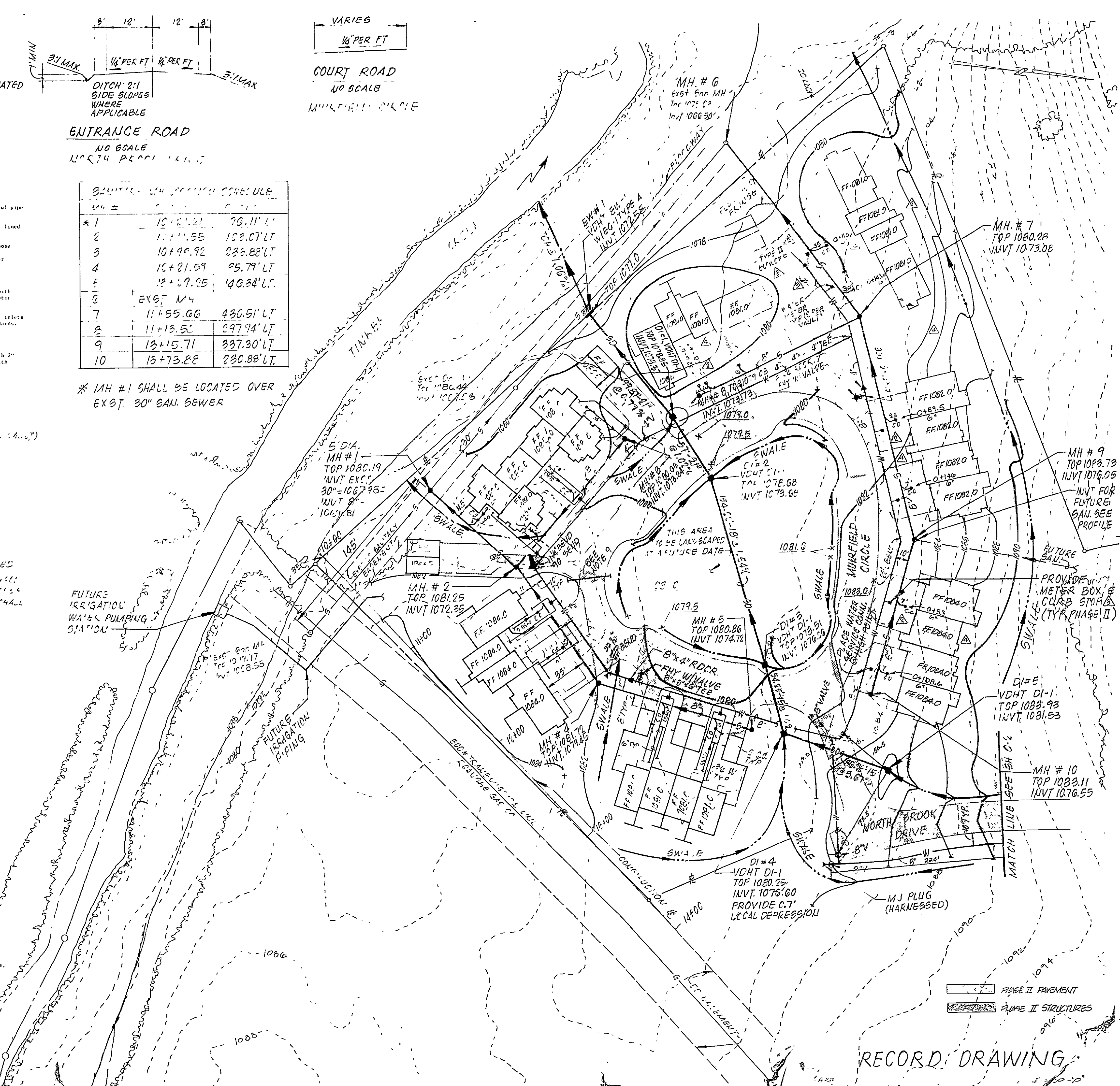
LINE #	STATION	OFFSET
1	10+00.00	20.11' LT
2	11+00.00	103.07' LT
3	10+00.00	235.88' LT
4	10+00.00	95.79' LT
5	10+00.00	140.34' LT
6	EXIST. M.H.	
7	11+55.00	430.51' LT
8	11+13.50	297.94' LT
9	13+15.71	337.30' LT
10	13+73.28	280.88' LT

* MH #1 SHALL BE LOCATED OVER EXIST. 30" GAL. SEWER

DROP INLET LOCATION SCHEDULE

DI #	STATION	OFFSET
EW #1	10+09.69	28.11' LT
DI #1	11+09.17	272.52' LT
DI #2	11+04.85	260.10' LT
DI #3	12+02.18	189.05' LT
DI #4	13+09.20	102.00' LT
DI #5	14+06.71	201.47' LT

- Water & Sewer Notes**
- All material shall be supplied and installed in accordance with the latest edition of the Roanoke County Engineering Department Rules and Regulations and construction standards and specifications.
 - A minimum cover of three (3) feet over the proposed lines is required.
 - No work shall begin without notifying the County Engineering Department 24 hours in advance. The contractor is responsible for obtaining any and all necessary permits.
 - No work shall begin without written approval of construction plans from the Roanoke County Engineering Department.
 - Work shall be subject to inspection by Engineering Department Inspectors.
 - Contractor shall be responsible for locating and uncovering all manholes and valve boxes after paving or surface treating roads and adjusting tops to the final road grades, if necessary.
 - All existing utilities may not be shown or may not be shown in the exact location. The contractor shall comply with the State Water Works Regulations, Section 12.05.03, where lines cross.
 - All sewer house connections are to be made with 4-inch sewer pipe and installed on a minimum of 1/4-inch to 1-foot grade from the sewer main to the property line. The invert elevation or depth of bury at the property line shall be shown on the as-built plans.
 - The contractor shall notify the Engineering Department of any field corrections to the approved plans prior to such construction.
 - All trenches within the existing or future Virginia State Department of Highways & Transportation rights-of-way must be compacted to 95% Proctor.
 - All lines to be staked prior to construction.
 - Contractor to coordinate with the engineer to provide as-built plans.



MEADOWBROOK CONDOMINIUMS
FOR
JAMES D. FRALIN HOLLINS, VIRGINIA

VVKR 81307

Checked By: *[Signature]*
Project Director

Drawn By: *[Signature]*
Date: *[Date]*

Drawing Title: **GRADING & UTILITIES**
MEADOWBROOK
PHASE I & II

Drawing No: **C-3**