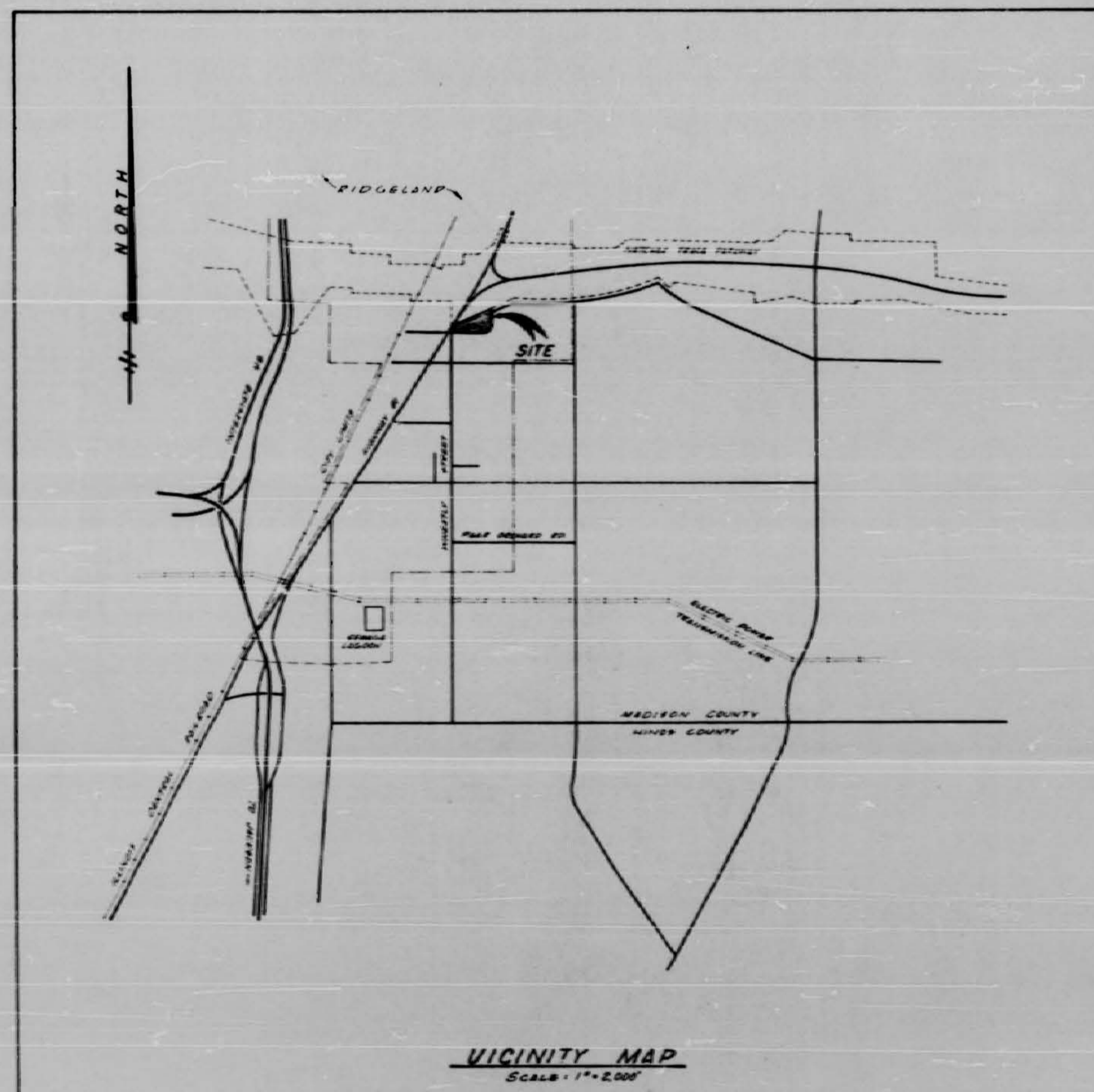


NORTHWOOD SUBDIVISION, PART 1

RIDGELAND, MISSISSIPPI



CITY BUILDERS INC. DEVELOPER
JOHNNY THORNTON JR. PRESIDENT

APPROVED 2-17-70
AS TO TECHNICAL DESIGN ONLY
[Signature]
Division of Sanitary Engineering
Mississippi State Board of Health, Jackson, Miss.

MITCHELL ASSOCIATES
CONSULTING ENGINEERS
JACKSON, MISSISSIPPI



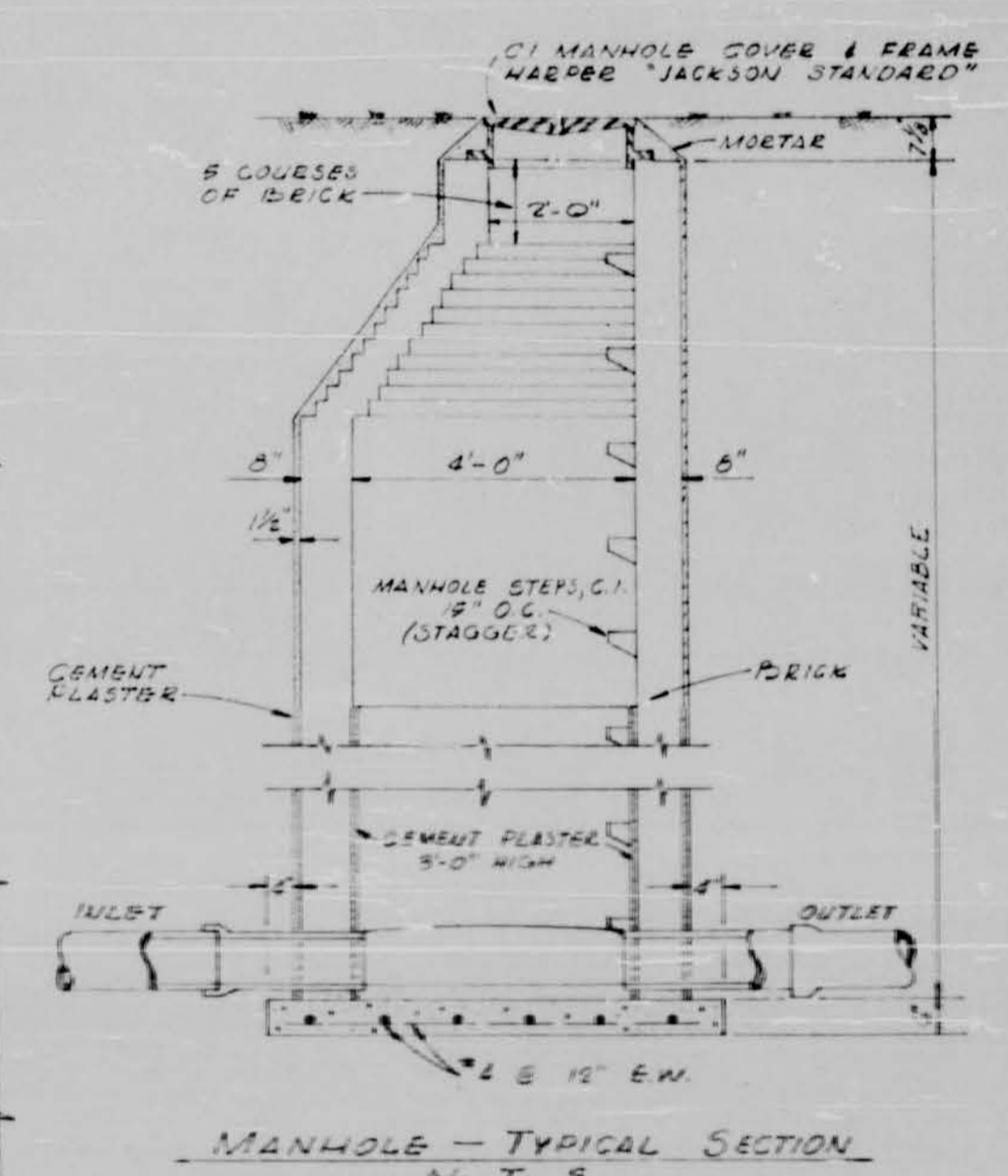
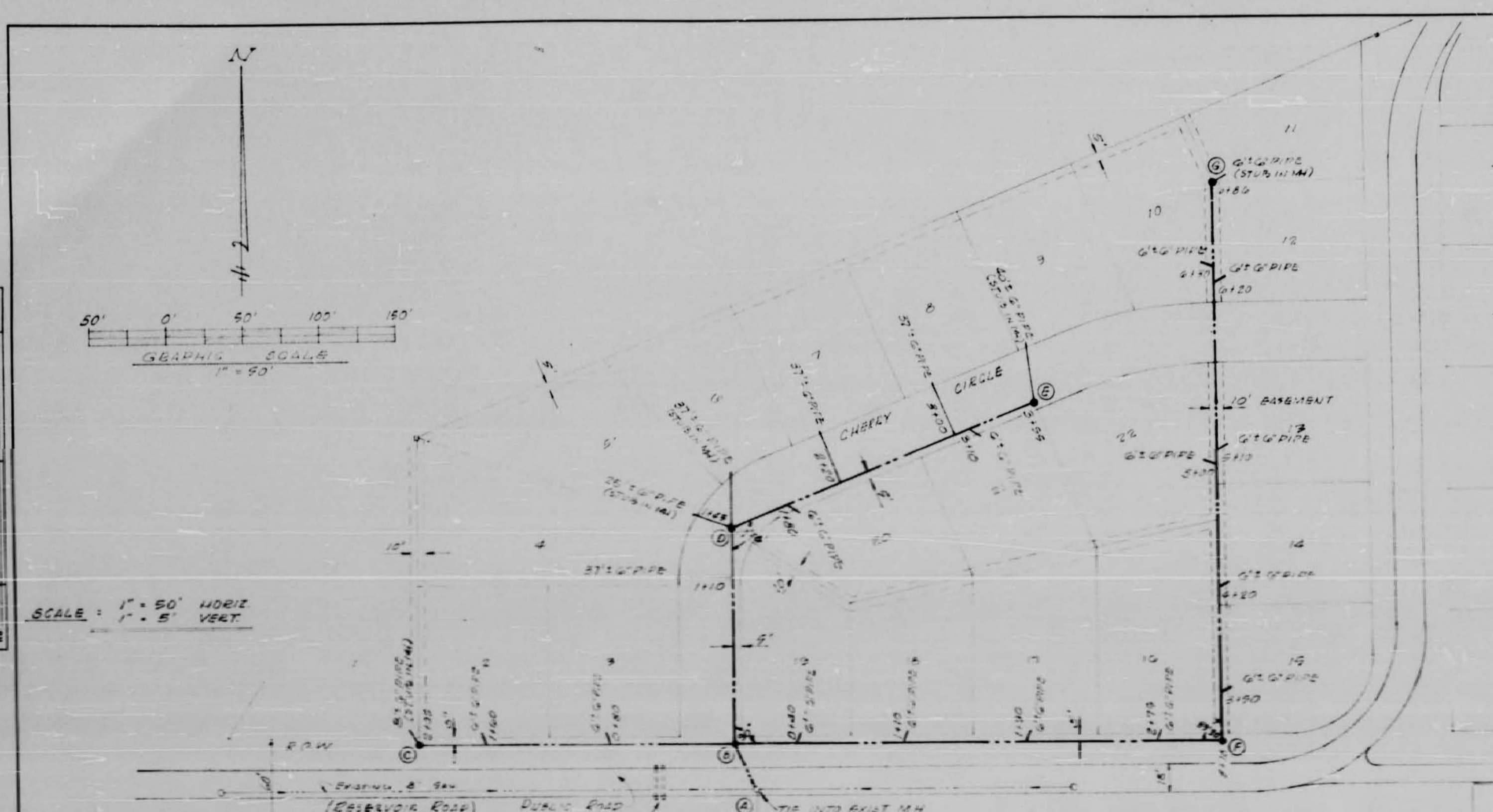
DECEMBER 4, 1970

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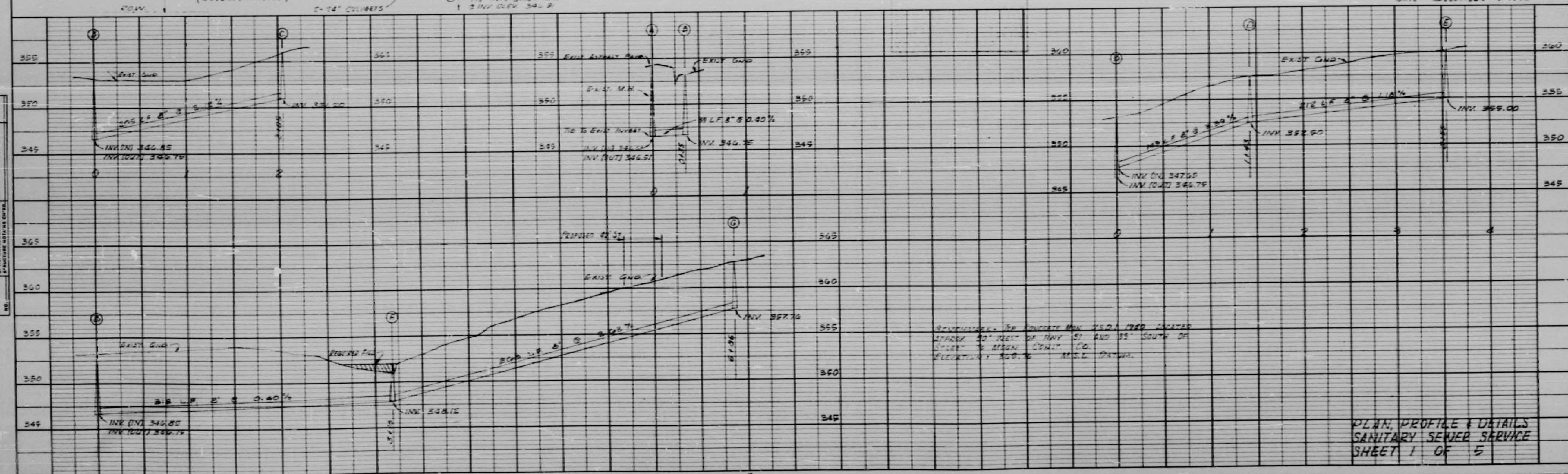


PLAN
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 SCALE: 1" = 50' HORIZ
 1" = 5' VERT



NOTE: CONTRACTOR SHALL PROTECT EXISTING WATER MAIN ALONG RESERVE ROAD.

PROFILE
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____



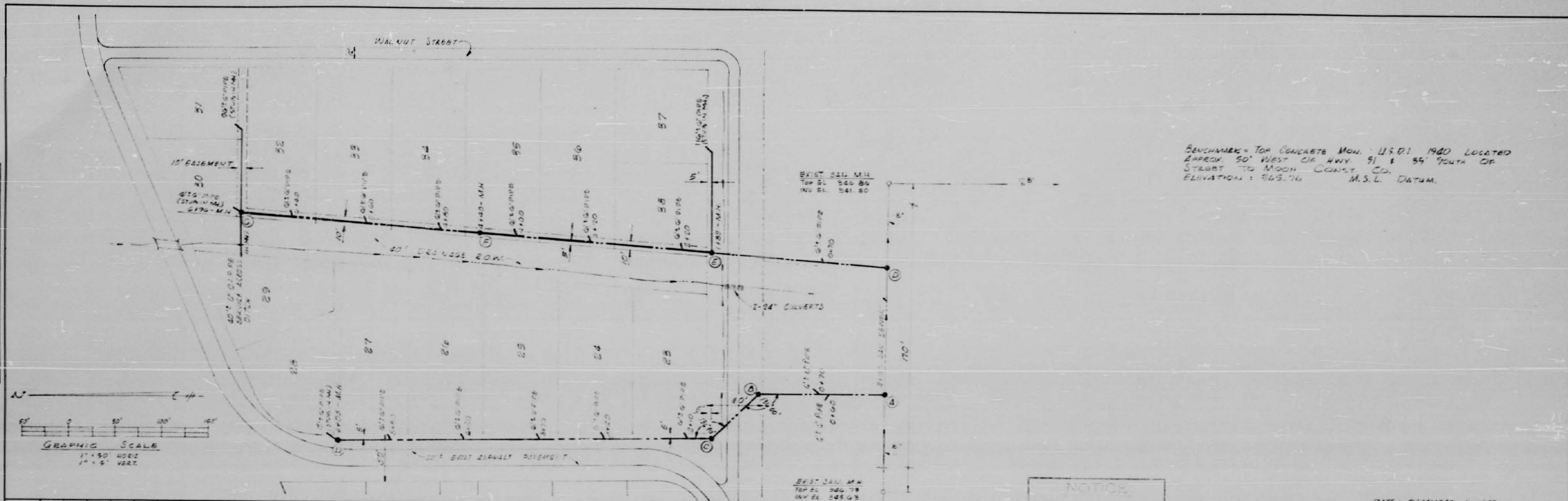
PLAN, PROFILE & DETAILS
 SANITARY SEWER SERVICE
 SHEET 1 OF 5

PLATE 1 - PLAN PROFILE & DETAILS
 100 LBS. PER SQUARE FOOT
 100 LBS. PER SQUARE FOOT
 100 LBS. PER SQUARE FOOT

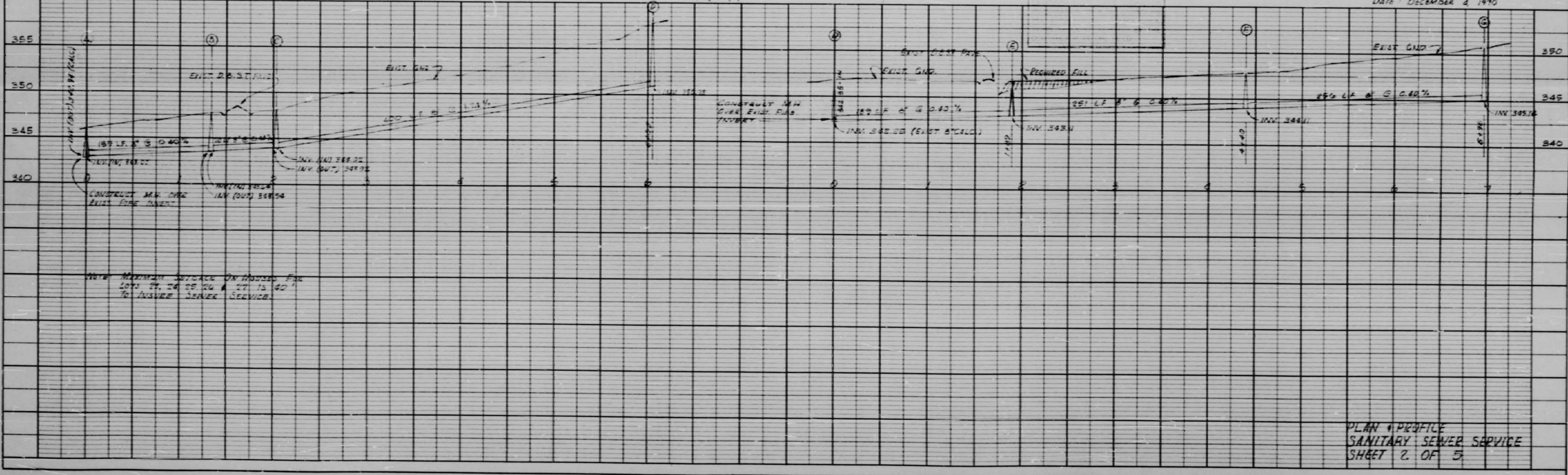
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DATE	
BY	
CHECKED	
APPROVED	
PROJECT	
PLAN	

DATE	
BY	
CHECKED	
APPROVED	
PROJECT	
PROFILE	



BENCHMARK = TOP CONCRETE MON. U.S.D. 1940 LOCATED APPROX. 50' WEST OF HWY. 91 & 85' SOUTH OF STREET TO MOON COUNTY CO. ELEVATION = 643.74 M.S.L. DATUM.

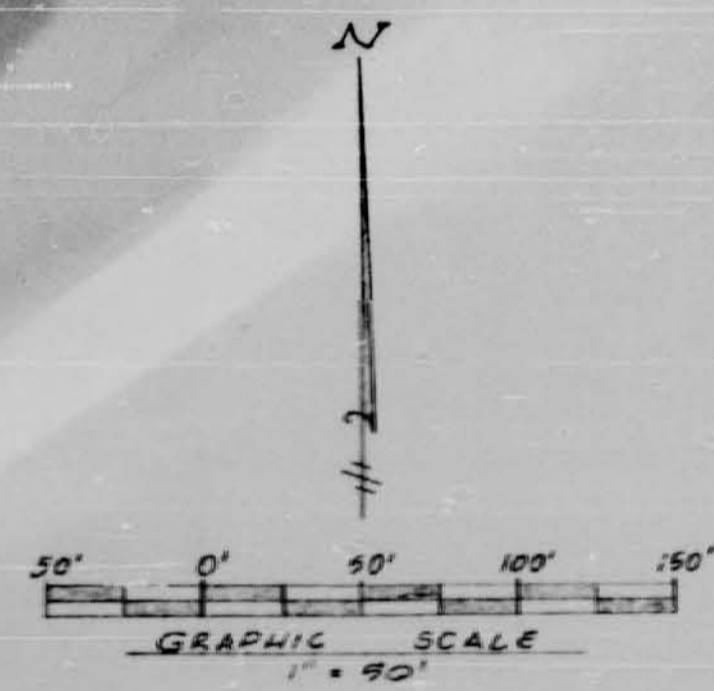


NOTE: MINIMUM SERVICE ON ADJACENT LOTS TO BE 24\"/>

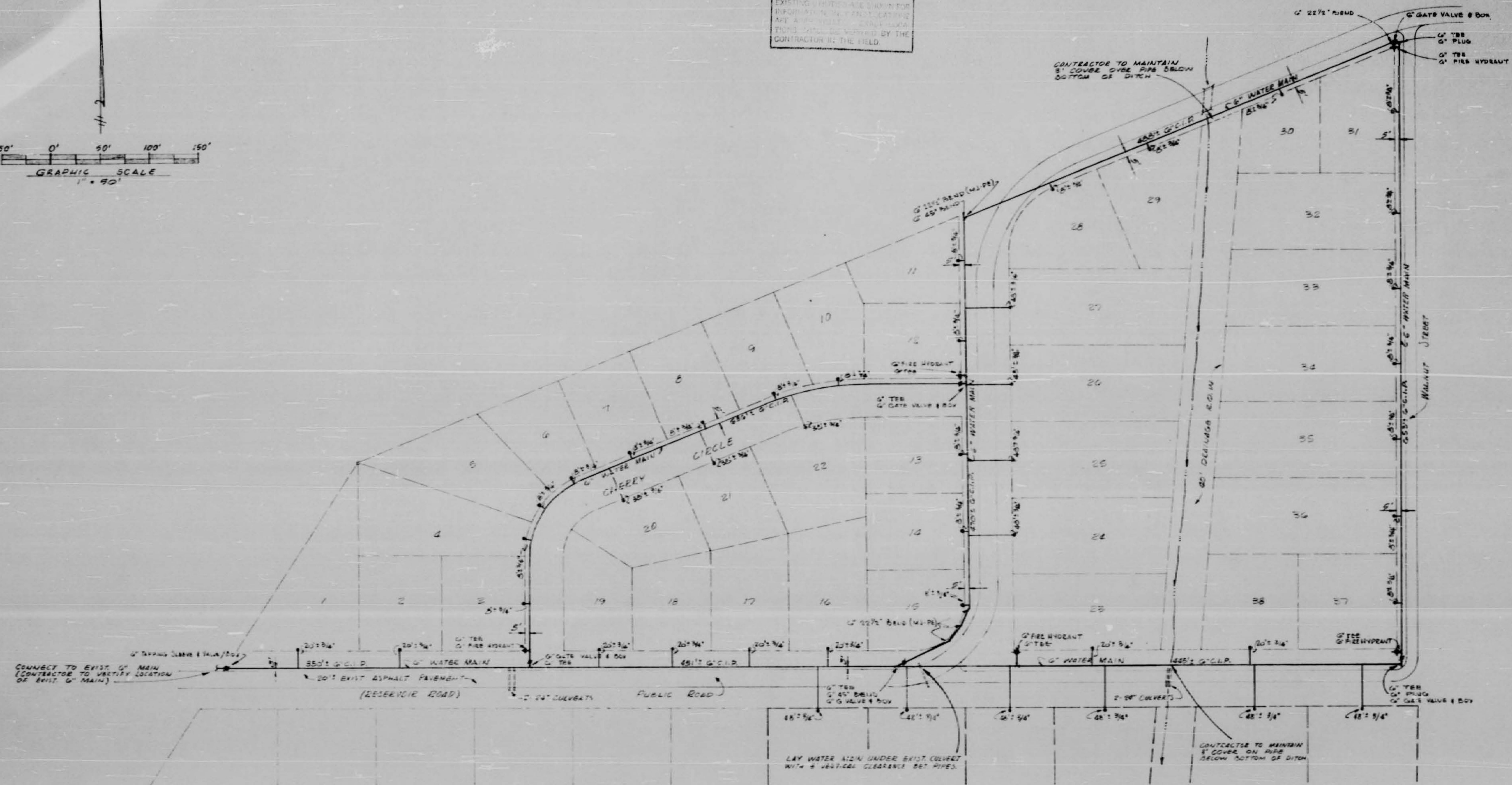
NOTICE

DATE: DECEMBER 4, 1970

PLAN & PROFILE
SANITARY SEWER SERVICE
SHEET 2 OF 3

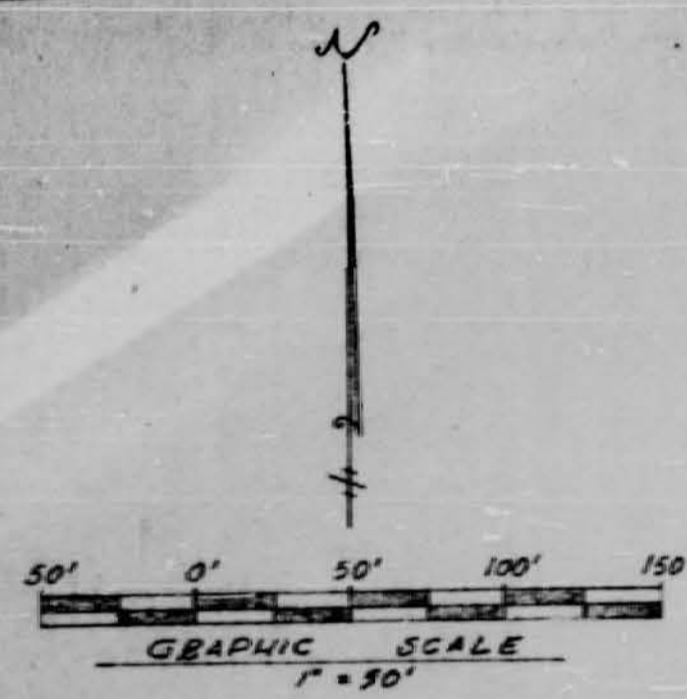


NOTICE
 EXISTING UTILITIES SHOWN FOR INFORMATION ONLY. LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATIONS IN THE FIELD.

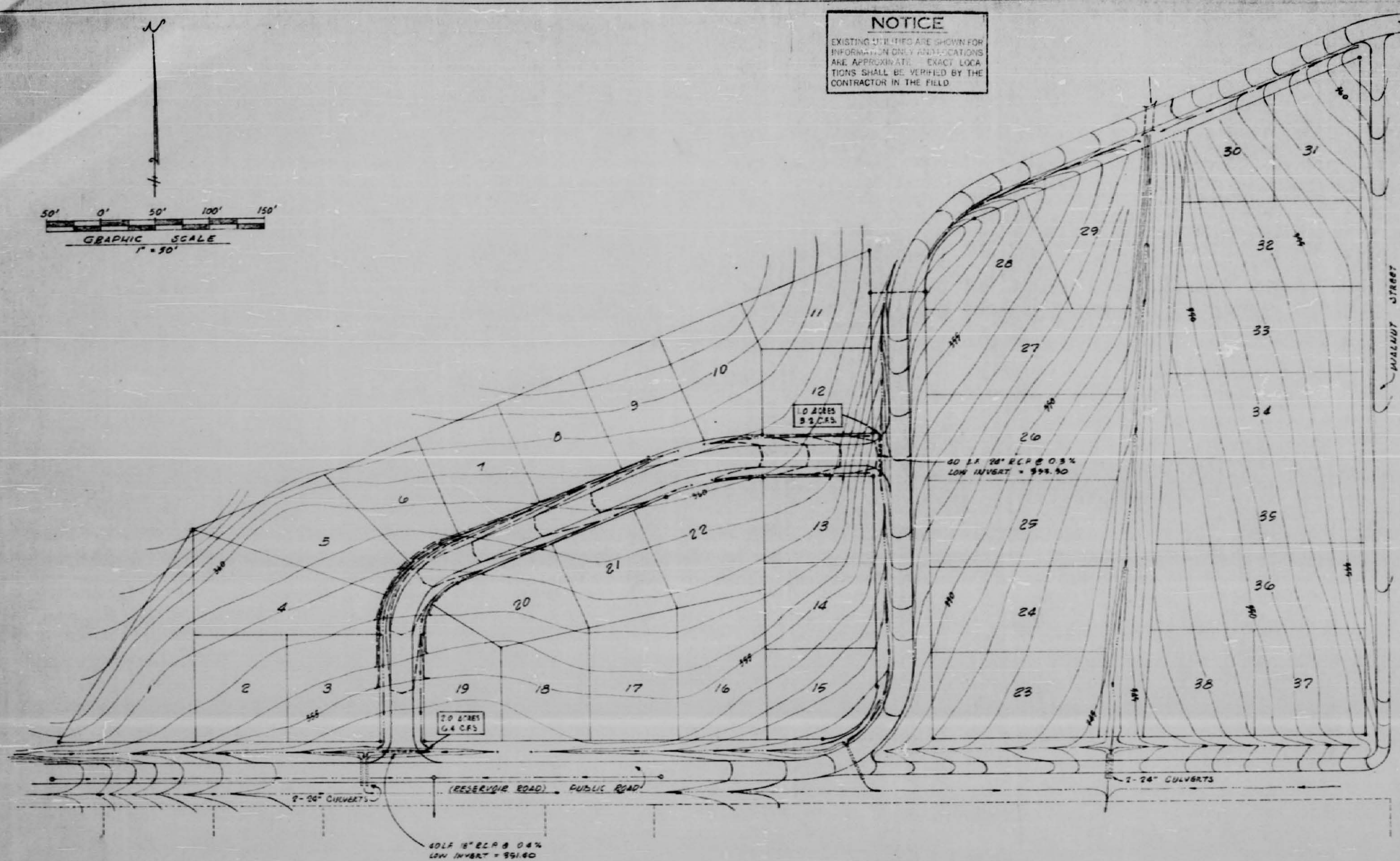


PLAN, WATER SERVICE
 NORTHWOOD SUB'D
 SHEET 4 OF 6

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NOTICE
EXISTING UTILITIES ARE SHOWN FOR INFORMATION ONLY. LOCATIONS AND APPROXIMATE EXACT LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.



DRAINAGE & GRADING PLAN
SCALE: 1" = 50'

- GENERAL NOTES & SPECIFICATIONS**
- SANITARY SEWER PIPE SHALL BE PLAIN CONCRETE, DUAL AND BRIST, AND SHALL CONFORM TO ASTM DESIGNATION C-14. ALL PIPE SHALL HAVE "GROOVE JOINT" TYPE. THIS TYPE OF IS MANUFACTURED BY THE MANITOWOC-KEAT MFG. CO., KEAT, OHS, OR EQUAL. ALL PIPE SHALL BE LAID BY STEINBLIND AND CUTTER BAND METHOD. BACKFILL SHALL BE HAND-TAMPED TO 3" ABOVE PIPE. ADDITIONAL BACKFILL SHALL BE PLACED IN 6" LIFTS AND COMPACTED BY AN APPROVED METHOD. SEWER PIPE SHALL BE WASHED AND LAMED PRIOR TO FINAL APPROVAL.
 - MANHOLES SHALL BE CONSTRUCTED OF BRICK, AS SHOWN ON REELS, OR MAY BE OF THE "PRECAST" TYPE AS MANUFACTURED BY FALGOUTER CONCRETE CO.
 - ALL SEWER SERVICE LINES SHALL BE CONSTRUCTED PERPENDICULAR TO MAIN WITH THE USE OF 1/2" BRIDS. SERVICE LINES SHALL BE PLUGGED WATER TIGHT, AND MARKED WITH 1/4" OR 1/2" POST, OR A METHOD OF APPROVED EQUAL.
 - WATER PIPE SHALL BE 1800 PSI IRON, CLASS 50 OR 150-1500, GLENE JOINT.
 - ALL GATE VALVES SHALL BE MUELLER A-1760-20 WITH CAST IRON YIELD BOX, OR APPROVED EQUAL.
 - REGULATION STOPS SHALL BE MUELLER 15000 OR APPROVED EQUAL.
 - CURB STOPS SHALL BE MUELLER 15100 WITH 2" GEMERAL VALVE OR APPROVED EQUAL.
 - WATER SERVICE LINES SHALL BE 1/2" SOFT COPPER WATER SERVICE PIPE FOR UNDERGROUND SERVICE, AND SHALL CONFORM TO ASTM DESIGNATION D-38 TYPE K.
 - WATER METER BOXES SHALL BE PLACED IN ALL CURB STOPS AND SHALL BE MADE OF CAST IRON, AND OF THE HEAVY DUTY TYPE AS MANUFACTURED BY WATER FOUNDARY, DESIGNATED "METER STANDARD".
 - FIRE HYDRANTS SHALL BE MUELLER A-26016 WITH 8 1/2" BREAMS, AND FITTED WITH 1 1/2" FIRE TAPPING, OR EQUAL. EACH HYDRANT SHALL BE OF SUFFICIENT LENGTH FOR A MINIMUM OF 3'-0" RISE.
 - ALL CAST IRON PIPE FITTINGS SHALL BE "MECHANICAL JOINT" AND SHALL CONFORM TO BRUNN STANDARDS. ALL TEES & BRIDS SHALL BE "BACKED" WITH FORMED IN PLACE CONCRETE.
 - WATER SYSTEM SHALL BE PRESSURE TESTED AT 150 P.S.I. FOR 24 HOURS. STERILIZED AND BACTERIOLOGICAL TEST SAMPLES TAKEN AND APPROVED BY COUNTY HEALTH OFFICE PRIOR TO FINAL ACCEPTANCE.
 - MATERIAL AND WORKMANSHIP IS SUBJECT AT ALL TIMES TO THE APPROVAL OF THE ENGINEER. ALL DISAPPROVED WORK SHALL BE REPAIRED AND REPLACED TO THE ENGINEER'S APPROVAL.
 - MINIMUM VERTICAL CLEARANCE AT SEWER AND WATER CROSSINGS SHALL BE 18 INCHES.
 - ALL CONCRETE PIPE SHALL BE 1500 P.S.I.
 - REGULATION RATE SHALL NOT EXCEED 4000 GAL./MIN./18 INCHES FOR 8" DIA.

BENCHMARK: TWO CONCRETE IRON LEGS 18" DIA LOCATED APPROX 90' WEST OF HWY 91 AND 98' SOUTH OF STREET TO MODON CONSTRUCTION CO. ELEVATION: 106.70 M.S.L. DATUM.

DATE: DECEMBER 4, 1970

DRAINAGE & GRADING PLAN
GENERAL NOTES & SPECIFICATIONS
SHEET _____ OF _____

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