

ALL CONDUCTORS WILL BE ALUMINUM. GROUND WILL BE #6 BARE STRANDED COPPER WIRE THROUGHOUT ENTIRE SYSTEM, EXCEPT TO TOILET BLDGS. & CONTACT STATION.

PLACE CONCRETE MARKERS (4" DIA. X 24" LONG) MARKED WITH AN "E" AT ALL UNMARKED CHANGES IN ALIGNMENT.

ALL UNDERGROUND PRIMARY WILL HAVE 36" MINIMUM BURY. ALL UNDERGROUND SECONDARY WILL HAVE 50" MINIMUM BURY. THE SAND TRENCH MAY BE USED WHERE PRIMARY & SECONDARY LINES RUN PARALLEL BY MAINTAINING A 6" MINIMUM VERTICAL SEPARATION.

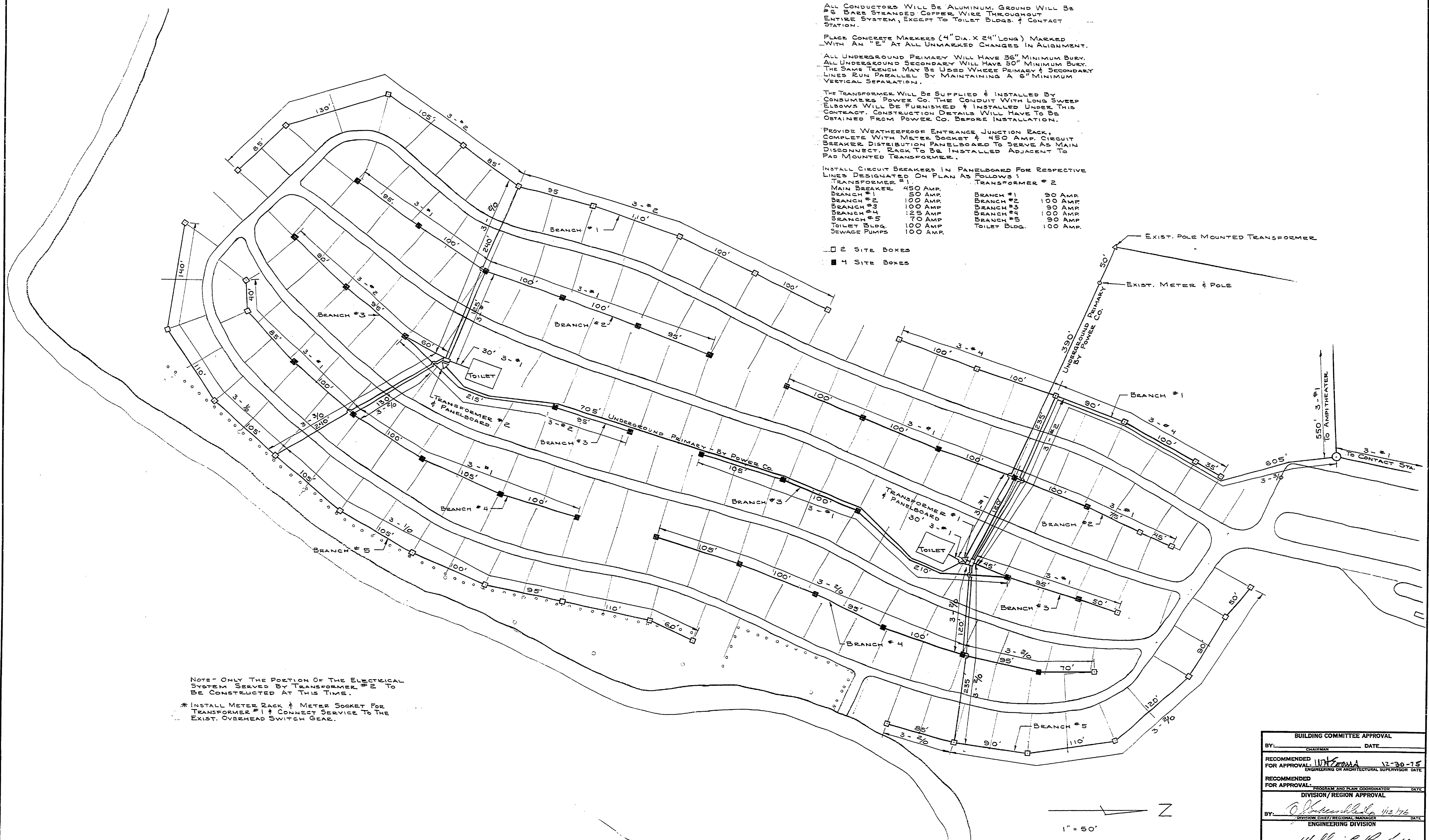
THE TRANSFORMER WILL BE SUPPLIED & INSTALLED BY CONSUMERS POWER CO. THE CONDUIT WITH LONG SWEEP ELBOWS WILL BE FURNISHED & INSTALLED UNDER THIS CONTRACT. CONSTRUCTION DETAILS WILL HAVE TO BE OBTAINED FROM POWER CO. BEFORE INSTALLATION.

PROVIDE WEATHERPROOF ENTRANCE JUNCTION RACK, COMPLETE WITH METER SOCKET & 450 AMP. CIRCUIT BREAKER DISTRIBUTION PANELBOARD TO SERVE AS MAIN DISCONNECT. RACK TO BE INSTALLED ADJACENT TO PAD MOUNTED TRANSFORMER.

INSTALL CIRCUIT BREAKERS IN PANELBOARD FOR RESPECTIVE LINES DESIGNATED ON PLAN AS FOLLOWS:

TRANSFORMER #1		TRANSFORMER #2	
MAIN BREAKER	450 AMP	BRANCH #1	90 AMP
BRANCH #1	50 AMP	BRANCH #2	100 AMP
BRANCH #2	100 AMP	BRANCH #3	90 AMP
BRANCH #3	100 AMP	BRANCH #4	100 AMP
BRANCH #4	125 AMP	BRANCH #5	90 AMP
BRANCH #5	70 AMP	TOILET BLDG.	100 AMP
TOILET BLDG.	100 AMP	SEWAGE PUMPS	100 AMP

- 2 SITE BOXES
- 4 SITE BOXES



NOTE - ONLY THE PORTION OF THE ELECTRICAL SYSTEM SERVED BY TRANSFORMER #2 TO BE CONSTRUCTED AT THIS TIME.

* INSTALL METER RACK & METER SOCKET FOR TRANSFORMER #1 & CONNECT SERVICE TO THE EXIST. OVERHEAD SWITCH GEAR.

BUILDING COMMITTEE APPROVAL	
BY: _____	DATE: _____
RECOMMENDED FOR APPROVAL: <i>W.H. Poma</i>	DATE: 12-30-75
RECOMMENDED FOR APPROVAL: _____	DATE: _____
DIVISION/REGION APPROVAL	
BY: <i>William Runkle</i>	DATE: 1/12/76
ENGINEERING DIVISION	
APPROVED: <i>William Runkle</i>	DATE: 1/12/76

SURVEYED BY	DRAWN BY J. YPMA	DES. '75	NO.	DATE	BY	REVISIONS	NO.	DATE	BY	REVISIONS	MICHIGAN DEPARTMENT OF NATURAL RESOURCES	UNDERGROUND ELECTRICAL DISTRIBUTION SYSTEM	YANKEE SPRINGS AREA OR PARK RECREATION AREA	PROJECT NO. 24-1729
DESIGNED BY R. H. MERRILL	CHECKED BY	DATE	1.	1-30-74	J.Y.	* NOTE ADDED	3.							
			2.				4.							

1" = 50'