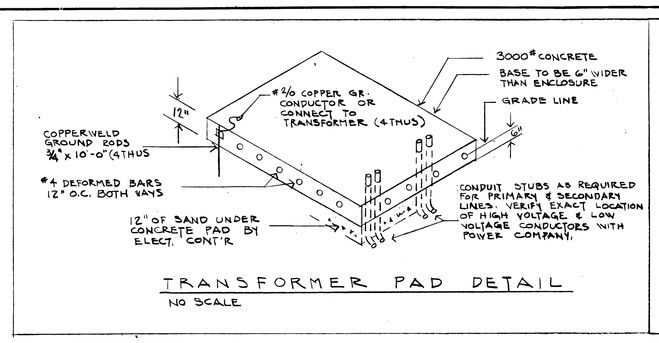
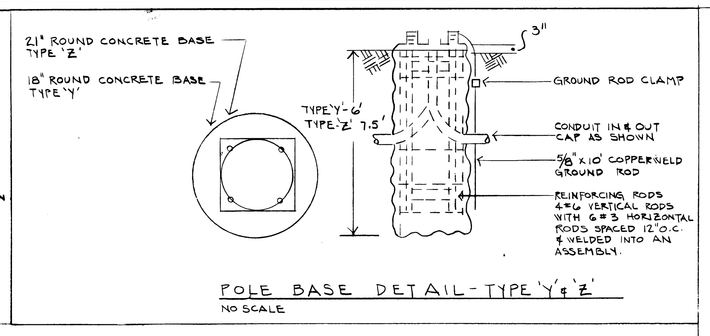
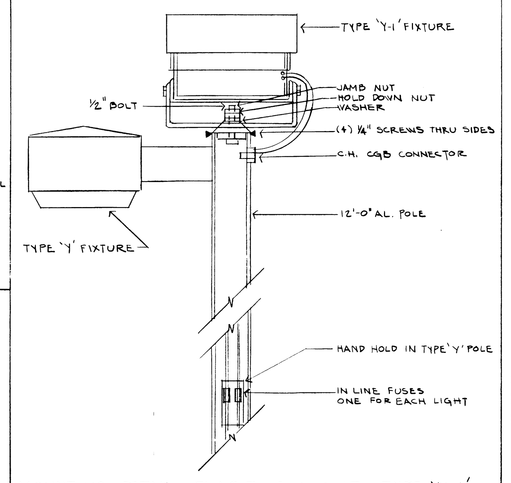


TRANSFORMER PAD DETAIL
NO SCALE



POLE BASE DETAIL - TYPE 'Y' & 'Z'
NO SCALE



MOUNTING DETAIL - FLAG POLE LIGHT - TYPE 'Y-1'
NO SCALE

General Notes

STRUCTURE FOOTINGS ARE TO BE GRADE "A" CONCRETE TO BE THE THICKNESS SHOWN IN THE DETAIL OR 5" PRE-CAST REINFORCED CONCRETE.

REINFORCEMENT FOR 5" PRE-CAST REINFORCED CONCRETE SHALL BE 6" x 6", 10/0 x 10/0, WELDED STEEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.

PRE-CAST INLET UNITS AND BASES SHALL CONFORM TO THE VERTICAL REQUIREMENTS OF AASHTO DESIGNATION M199.

PRE-CAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6" IN DEPTH WHICH MEETS THE REQUIREMENTS FOR GRADING BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

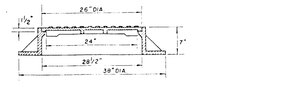
SET FRAME ELEVATION 2.5' LOWER THAN ELEVATES INDICATED ON PLANS.

THE CONTRACTOR MAY FORM AND POUR HOLES THROUGH CONCRETE, WHERE PROVIDED THE PIPE ENDS ARE EXPOSED WITHIN THE MANHOLE AND IS TERMINATED WITHIN THE MANHOLE WALLS.

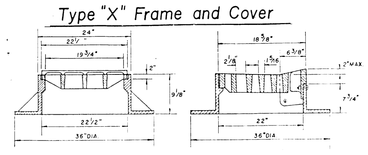
MANHOLE STEPS:
STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES 20" O.C. MAXIMUM SPACING AND/OR A MINIMUM CLEAR DISTANCE OF 6" FROM THE WALL AT THE POINT OF EMBEDMENT.

MINIMUM WALL EMBEDMENT OF 3" IN PRE-CAST MANHOLE. TREAD OF STEP SHALL HAVE A NON-SKID SURFACE AND BE FORMED OR CLEATS WITH A MINIMUM OF 10" CLEAR BETWEEN CLEATS TO PREVENT FOOT SLIPPING OFF THE EDGE. CLEATS SHALL BE A MINIMUM OF 3/4" HIGH BY 3/4" WIDE HAVING A MINIMUM THICKNESS OF 3/8". STEPS SHALL BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 250 LBS. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF ½".

SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75". ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE.



Type "X" Frame and Cover



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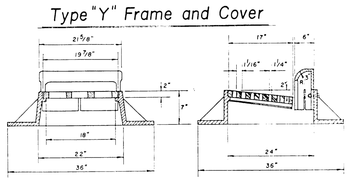

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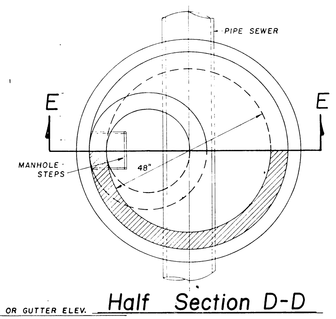
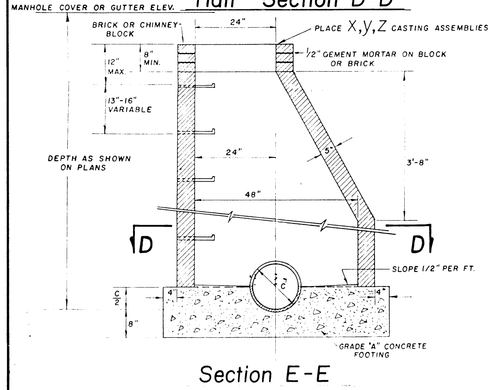
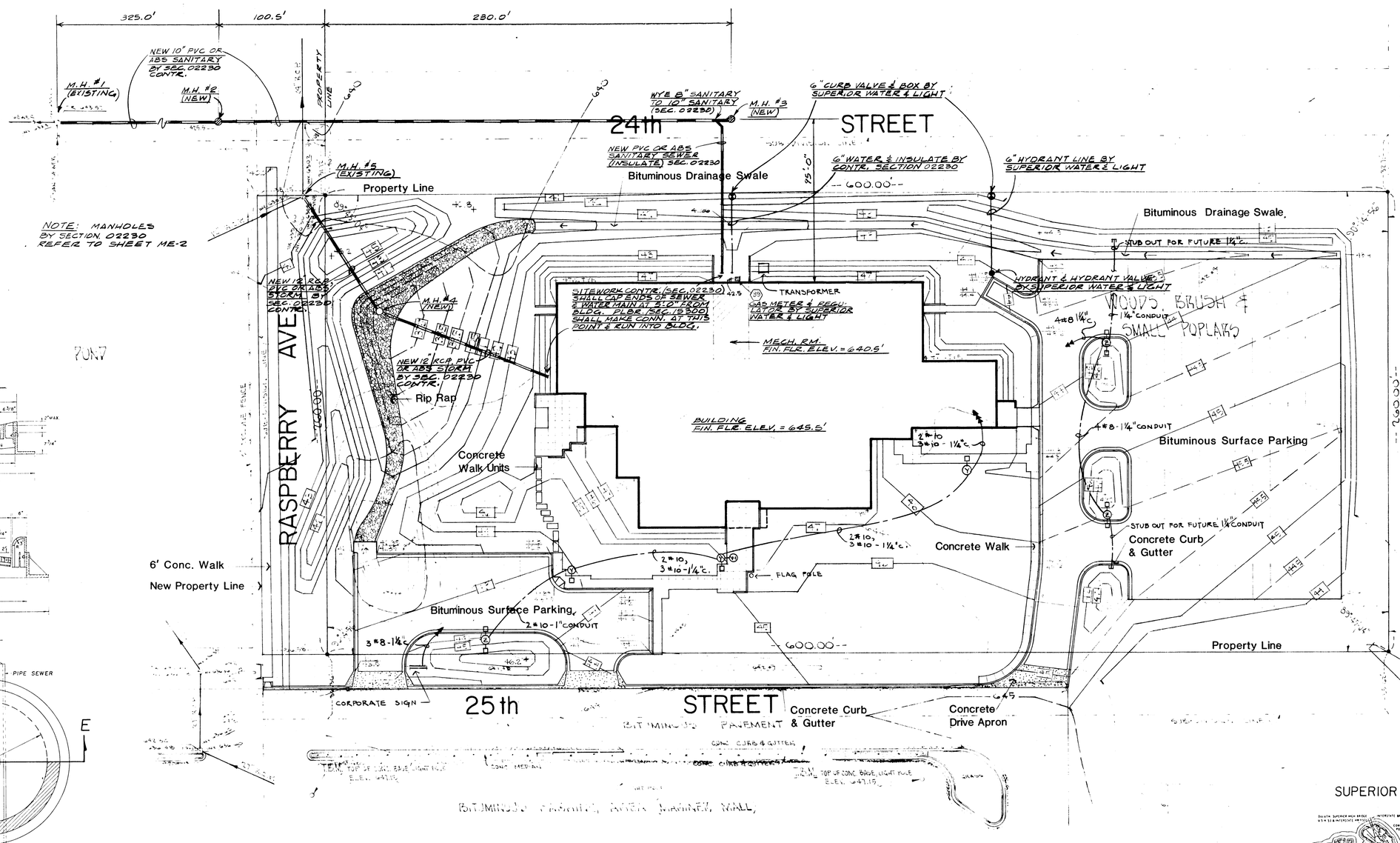


Half Section D-D



Section E-E
Special Manhole Detail



Step Point Sanitary Manhole Sta. Approved
1-3-84

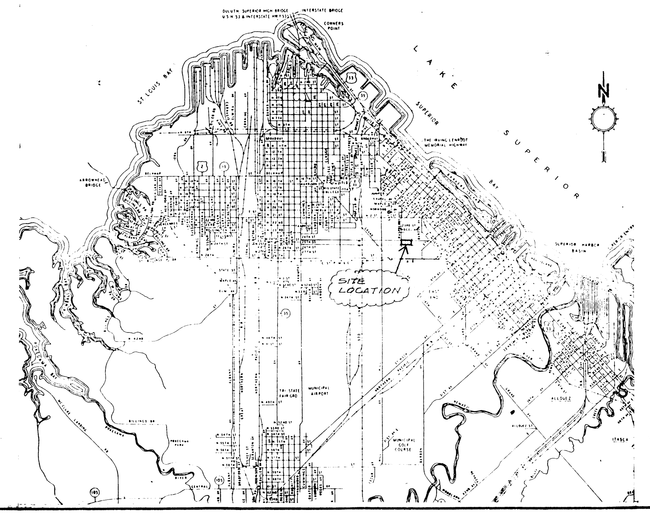
LEGEND

- Existing Spot Elevation 646.6
- Proposed Spot Elevation 647.5 top of curb / 647.0 top of pvt.
- Existing Contour 644
- Proposed Contour 645
- Concrete Curb & Gutter

BENCHMARK: ...

SEWER DATA FROM RECORDS ON FILE IN THE OFFICE OF PUBLIC WORKS CITY OF SUPERIOR, WIS.

SUPERIOR



WISCONSIN REGISTERED PROFESSIONAL ENGINEER

LAKEHEAD PIPE LINE CO. OFFICE BUILDING
superior wisc

architectural resources inc

MECH. & ELECTRICAL SITEWORK

Architecture
Planning
Engineering
Landscape
Architecture

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126 East Superior Street
Duluth, Minnesota 55802
(218) 727-8481

Consultants

Revisions

project no 82-076
date 12 JAN 1984
drawn VA & N-S

I hereby certify that this plan, specification, or report was prepared by me, or under my direct supervision, and that I am a duly registered engineer under the laws of the State of WI.
Parnell Bates
1-12-84
Reg. No. E-15533

me 1