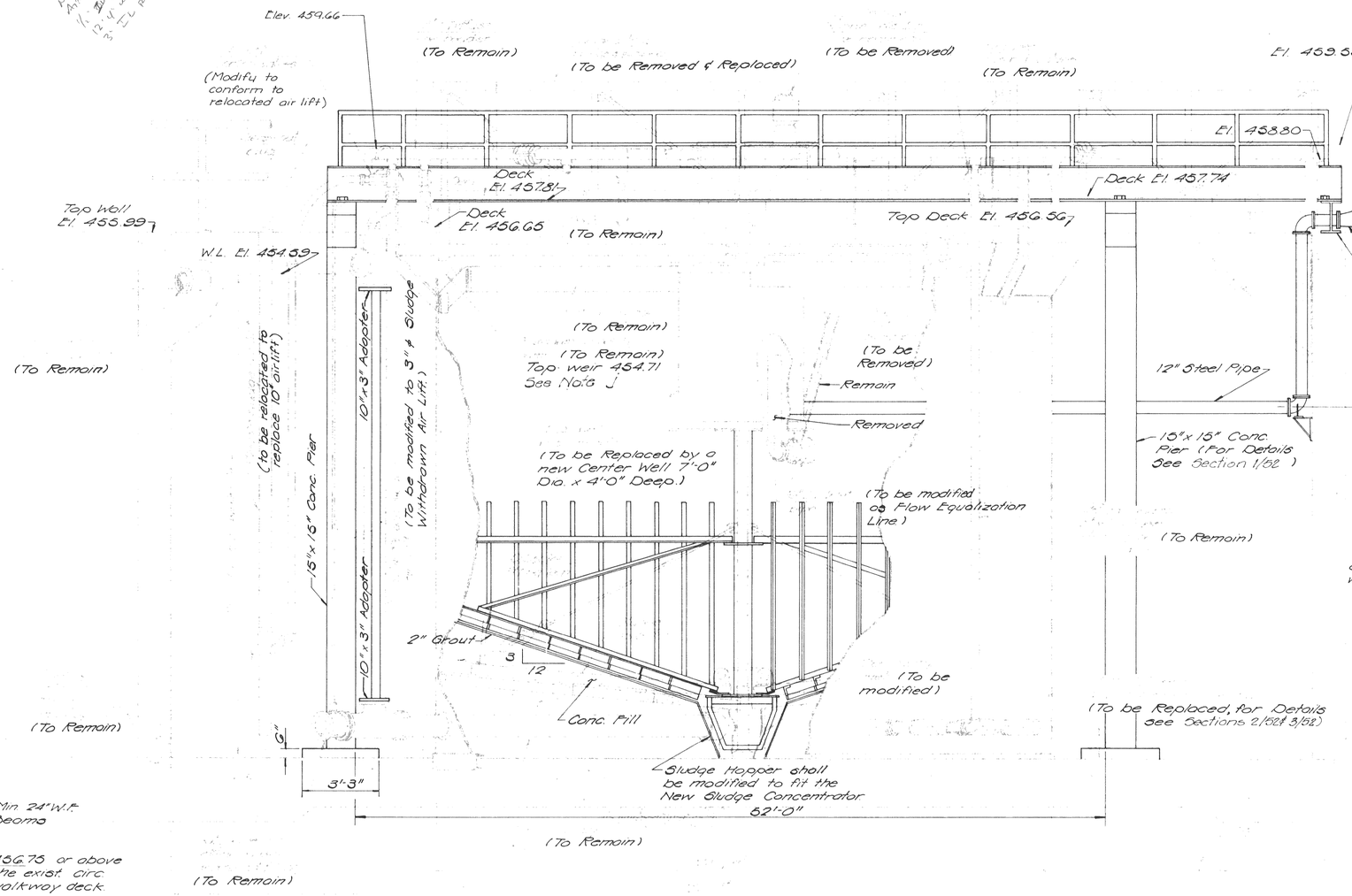

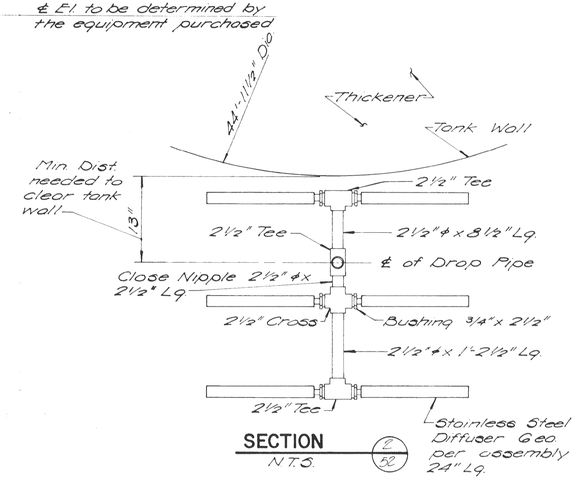

SECTION 2/S2
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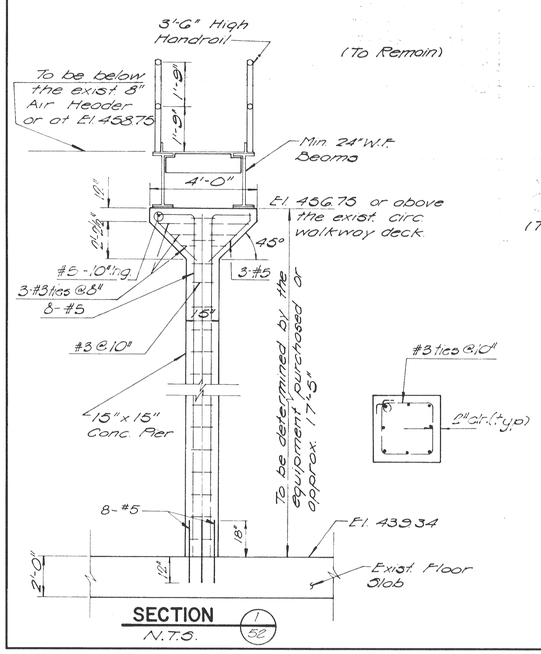

SECTION 1/S2
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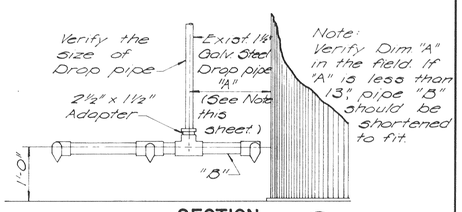

SECTION 3/S2
N.T.S.

Rev. 2-82 MKK

GENERAL NOTES

1. The Existing Smith & Loveless Model 97.R 1000 "Oxigest" Package Sewage Treatment Plant shall be modified as follows:
   a) The central portion referred as "Settling Basin" shall be converted into a Rotary Gravity Thickener by removing the exist. walkway bridge, inlet well, and entire sludge scraping mechanism assembly.
   b) A new Bridge Suspended Sludge Gravity Thickener Mechanism including Center Drive, Access Bridge, Inlet Diffusion Well, Sludge Collector Arms with Stirring Pickets, Torque Tube, Flights (Skimmers shall be modified to be compatible with exist. Scum Box and Trough).
   c) Two Conc. Support Piers, As Shown, shall be provided to support the new bridge structure; The exist. Sludge Hopper shall be modified to accomodate the new Sludge Concentrator; The bottom of exist. Settling Basin shall be filled with conc. on a Floor Slope of 3in. in 12in., and a 2" thick grout shall be placed by machine.
   d) It is General Contractor's and/or Equipment Supplier's responsibility to verify all the dim. which are critical enough to affect the fabr. and erection. These dimensions shall be shown on the shop drawings along with submittals.
   e) The Steel Tank, both interior and exterior surfaces, shall be sandblast and re-coated in accordance with Specifications
   f) The existing 2" decanting Air Lift & 3" Waste Sludge Air Lift shall be removed, and the exist. 10" Return Sludge Air Lift shall be modified to a 3" Waste Sludge Air Lift.
   g) The deck of the new Walkway Bridge shall be below the exist. 8" Air Header.
   h) Steps shall be provided at the entrance of the bridge walkway and both side of the bridge walkway intersected with the exist. Circular Walkway.
   j) Exist. aluminum V-notch weir plate shall be adjusted leveled under this contract.

EPA PROJECT NO. C291090

GBA
GEORGE BUTLER ASSOCIATES
CONSULTING ENGINEERS/ARCHITECTS
LANDSCAPE ARCHITECTS/PLANNERS

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1100 CITY CENTER SQUARE
1100 MAIN / KANSAS CITY / MISSOURI 64105
SUITE 134 LAKESIDE PLAZA II
6700 CORPORATE DRIVE / KANSAS CITY / MISSOURI 64120

WASTEWATER TREATMENT PLANT EXPANSION

THICKENER / AEROBIC DIGESTER MODIFICATION SECTION

CITY OF O'FALLON, MISSOURI

DESIGNED BY: W.C.C./J.L.S. DRAWN BY: C.R./S.P.M. CHECKED BY: W.A.C.

JOB NO. 79-2065
DATE July 30, 1981
SCALE N.T.S.
SHEET NO. 52 OF 88