

BILL OF MATERIAL			
QTY	SP/ID	MARK	DESCRIPTION
1	CL-ASP	Y301	24" EST. EST. PIPE, W/EST. GAGED FULL PIPE CL-50 0.38" 20'0-1/2"
1	CL-ASP	X8	ASPHALTIC COATED IN SOCKET, ASPHALTIC COATED ON SPIGOT END, 2-2-2-7/8
			24" MI TAPPED FOR STUDS DWG P000097 MI-FAB TAPPED FOR STUDS DWG
			P000097 PIPE CL-53 0.47" 14-1/2" OVERALL (97LL), W/STL COLLAR
			8-1/4" FROM MI-FAB FACE, 2-2-2-7/8
1	CL-ASP	X30	24" MI TAPPED FOR STUDS DWG P000097 FLG TAPPED FOR STUDS DWG
			P000089 PIPE CL-53 0.47" 24" OVERALL (20-1/2" L), W/STL COLLAR
			12" FROM FLG, 2-2-2-7/8

** - Indicates the item has been placed on order.

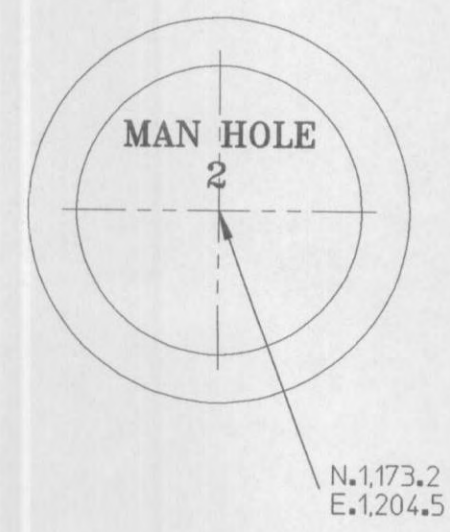
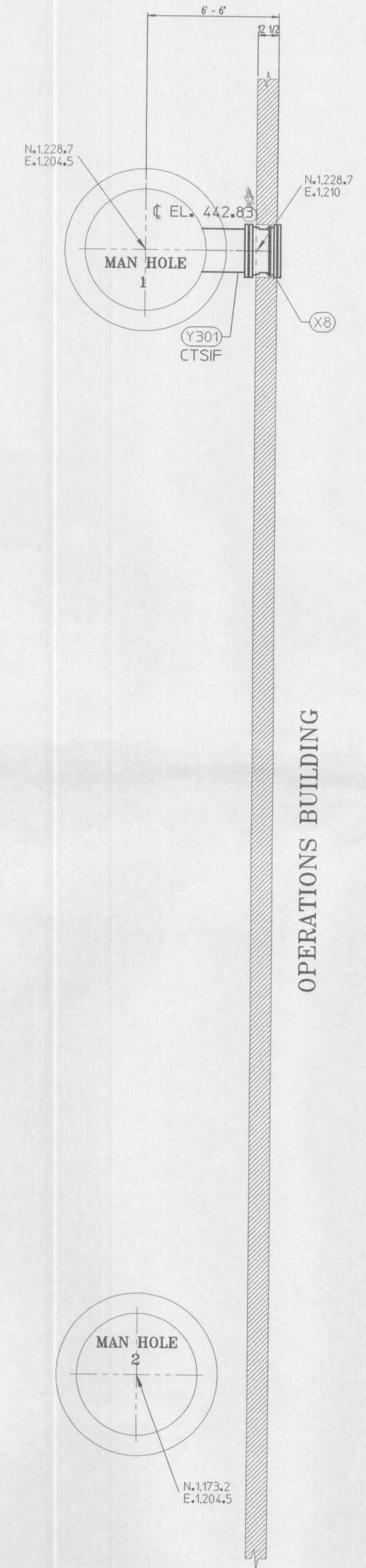
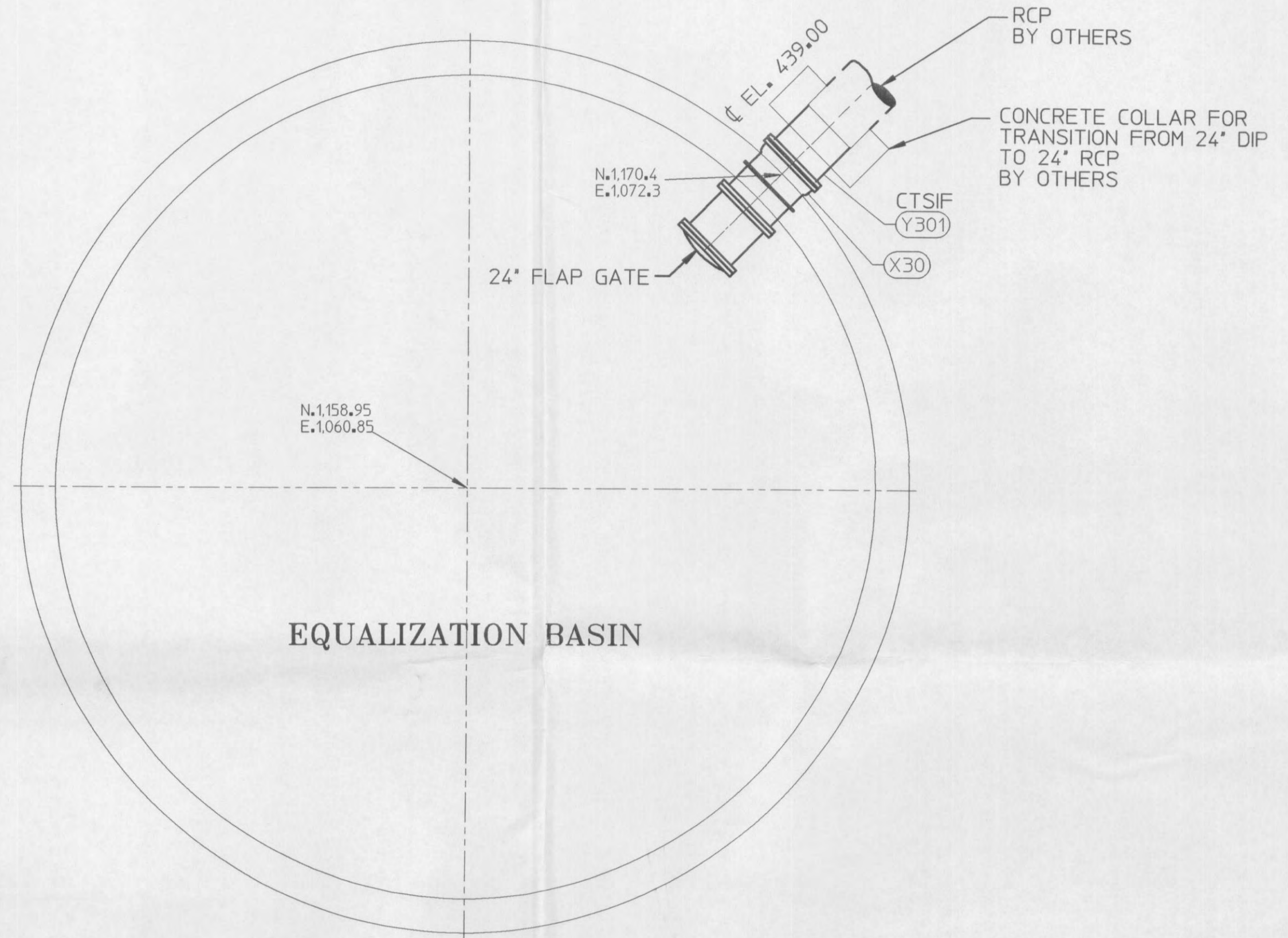
SPECIFICATION BOUNDARY DEFINITIONS

Boundary ID: CL-ASP Service type: PROCESS
 Boundary name: CL-ASP Service temp: 50
 Boundary unit: 1 Environment: EX/T/BURIED

Pipe lining: Single Thick C/L with Seal Coat: Black, 1-Coat, AMMA C104
 Pipe coating: Asphaltic Coated: Black, 1-Coat, 3-Avg, 1-Min
 Filling lining: Double Thick C/L with Seal Coat: Black, 1-Coat, AMMA C104
 Filling coating: Asphaltic Coated: Black, 1-Coat, 3-Avg, 1-Min

Gasket types

FASTITE - Fastite Gasket, Plain Rubber Styrene-Butadiene
 FLEX-RING 4-12 - Fastite Gasket, Plain Rubber Styrene-Butadiene
 FLG LESS ACCESSORIES - none
 FRBELL FLEX-RING - Fastite Gasket, Plain Rubber Styrene-Butadiene
 MI - Mechanical Joint Gasket, Plain Rubber Styrene-Butadiene
 RIGID GROOVY LESS ACC - none



24" WASH WATER DRAIN

Approved 5/16/02

NO EXCEPTIONS NOTED
 EXCEPTIONS NOTED
 RETURNED FOR CORRECTION
 RECORD COPY NOT ACCEPTABLE
 RETURNED WITHOUT REVIEW

MAY 29 2002

REVIEW DOES NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS, OMISSIONS, OR DEVIATIONS FROM CONTRACT REQUIREMENTS. BLACK & VEATCH

This drawing has been reviewed and found in general conformance with the contract documents.

APPROVED
 APPROVED AS NOTED
 REVISE AND RESUBMIT

KCI CONSTRUCTION CO. DATE 5/22/02
 SPEC. SECTION 15061

AMERICAN DUCTILE IRON PIPE
 A DIVISION OF AMERICAN CAST IRON PIPE COMPANY

PHONE: 1-800-442-2348 FAX: 1-800-442-2348
 P O BOX 2727 2916 16th STREET NORTH
 BIRMINGHAM, ALABAMA 35202 BIRMINGHAM, ALABAMA 35207

4'-6" Diameter Ductile Iron Pipe - Fastite Joint, Mechanical Joint, Flanged Joint
 Flex-Ring Restrained Joint, Lok-Ring Restrained Joint, Flex-Lok Restrained Joint,
 ANSI A21.9, A21.53, & AMERICAN Standard Fittings
 ANSI A21.4 Cement Lining, POLYBOND Lining, plus Special Coatings & Linings
 American Flow Control - Valves And Hydrants

This drawing is a service to the customer as an aid in developing a detailed bill of material. The purchaser must verify correctness of design and dimensions. It is the responsibility of the purchaser to verify all details on receipt of prints. Changes desired shall be noted on a print and returned to American. Drawings will be revised per these changes. Drawings returned to American without signature or initial will be considered to have been reviewed by the customer with any required change noted.

REVISED BY:	DATE:	REV #
Daniel Jones	07May2002	1

CONDIAIRE, INCORPORATED

WATER TREATMENT FACILITIES
 O'FALLON, MO
 24" WASH WATER DRAIN
 REF. DWGS. B4, D7 & F1

DRAWN BY: Angella Neelley DATE DRAWN: 19Apr2002 SCALE: NTS PROJECT NUMBER: KM001998 C02010-Y3