

Notes:

\*\*\* A Cantilevered sheet piling design does not appear feasible at the East Abutment and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer. The design shall incorporate details for the adjacent cofferdam and seal coat.

The contractor shall submit the plan and methodology for driving sheet piles around MWRD structures to the MWRD and the Engineer for review to avoid damage to district facilities and approval three (3) weeks prior to the start of work and the MWRD structures shall be protected as per the details of Shoring and Bracing System plans signed and sealed by an Illinois Registered Structural Engineer.

Use of temporary soil retention is mandatory. Open cut will not be allowed.

See Drainage Plans for additional details.

See Sheet 5 of 62 for Temporary Sheeting, Temporary Soil Retention System and Section A-A.

\*\* The Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) shall have 24 hour a day access for heavy equipment to their facilities. Flow from the outfall structures shall not be blocked and shall be maintained at all times. Gate control and alarm circuits shall be maintained throughout construction. The conduit can be shut down for 24-48 hours during the dry season while being relocated. A temporary heavy duty handhole and underground conduit, galvanized steel 1" dia. and 2" dia. may be installed during construction. See MWRD general notes sheet 3 of 143 and the Summary of Quantity sheets.

All work for removing the existing pipes and installing the new pipes is included in the drainage items, except for existing arch pipe and 8'-0" RCP. All work shall be as approved by the Engineer in the field.

The exact location of underground structures and tunnel are not known. The contractor shall probe for the location of existing MWRD structures and tunnel prior to installing temporary soil retention system. Cost included in the Temporary Soil Retention System item.

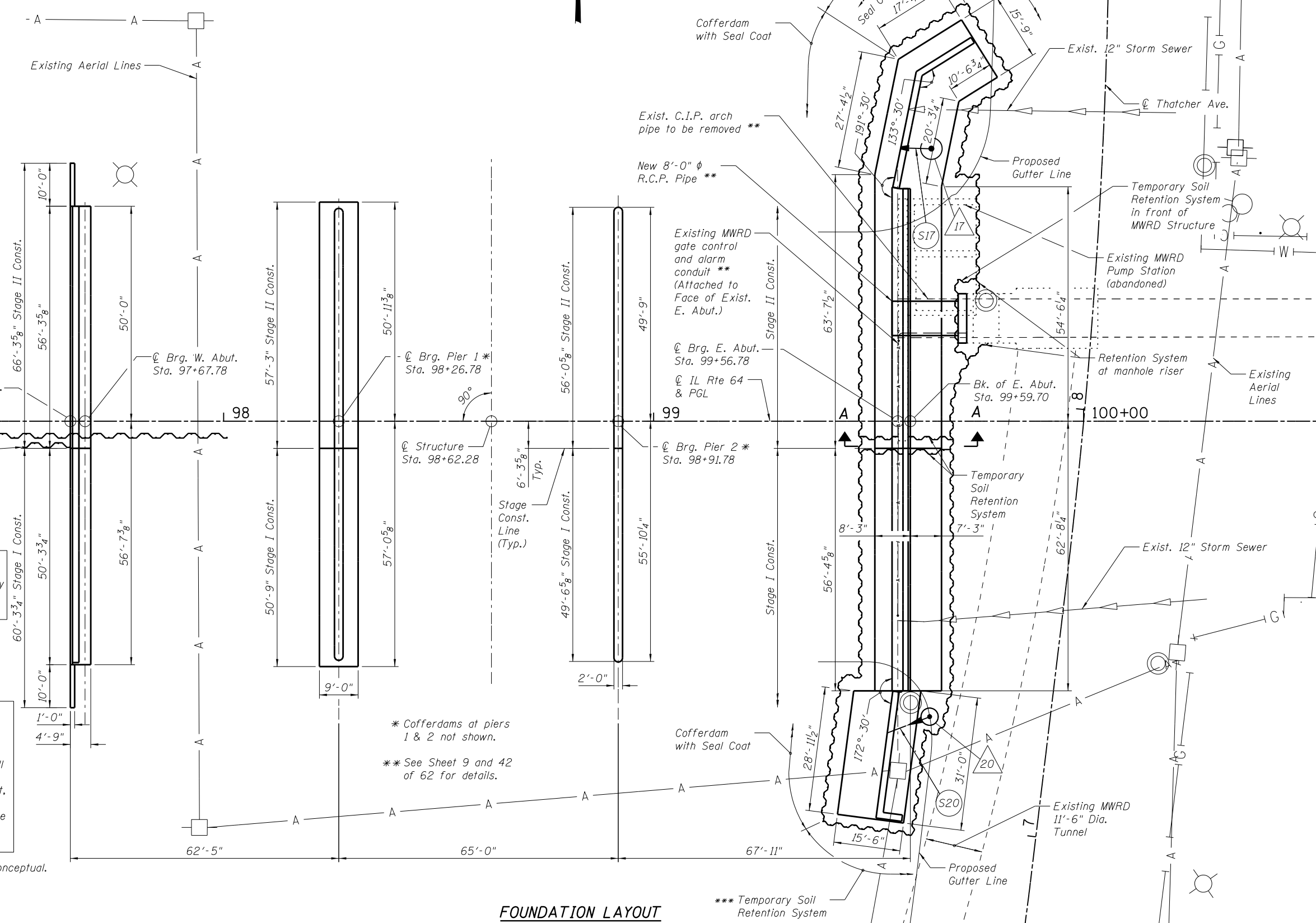
Drainage Structures 17 & 20 and Pipes S17 & S20 to be installed during wing wall construction.

Protect all MWRDGC structures and utilities per Article 107.31 of the Standard Specifications.

Positive drainage within the work zone must be maintained at all times. When existing drainage facilities are disturbed, the contractor shall provide and maintain temporary inlets, outlets, and connections for all existing and proposed facilities including temporary pumping if necessary. Temporary accommodations shall be maintained until such time as the permanent connections with sewers are built and in service. The cost of all labor, equipment, and materials (temporary or permanent used as temporary) to comply with this requirement will not be paid for directly, but the cost shall be considered included in the proposed items of work in the contract.

Cofferdams and soil retention system shown on the plans are conceptual. Contractor shall determine layout and prepare and submit plans, see Special Provisions.

Method of measurement for temporary soil retention system shall be according to the Special Provision for Temporary Soil Retention System. The temporary soil retention system shall be designed to act as part of the cofferdam for the East Abutment, All costs to comply with this requirement are included in the Cofferdam (Type 2)(Location-3) item.



FOUNDATION LAYOUT

FILE NAME = #FILEL#

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

USER NAME =	DESIGNED - JJI	REVISED
	CHECKED - JMT	REVISED
PLOT SCALE =	DRAWN - GM	REVISED
PLOT DATE = \$DATE\$	CHECKED - JMT	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FOUNDATION LAYOUT AND TEMPORARY SOIL RETENTION SYSTEM  
STRUCTURE NO. 016-3035

SHEET NO. 4 OF 62 SHEETS

F.A.P. RTE. 307	SECTION 541Y-3-B	COUNTY COOK	TOTAL SHEETS 143	SHEET NO. 65
CONTRACT NO. 60J11				

ILLINOIS FED. AID PROJECT