ADDENDUM NO. 1

TO THE BIDDING DOCUMENTS

FOR

VERNON HILLS WATER SYSTEM ELECTRICAL AND MECHANICAL UPGRADE FOR LAKE COUNTY PUBLIC WORKS

LAKE COUNTY CONTRACT NO. 19062

DATE: April 29, 2019

BID CLOSING DATE & TIME: 11:00 AM local time, May 15, 2019

TO ALL BIDDERS BIDDING ON THE ABOVE PROJECT:

All Bidders submitting a Bid on the above Contract shall carefully read this Addendum and give it consideration in the preparation of their Bid.

I. The following are for informational purposes only:

- A. See agenda and sign-in sheet from Pre-Bid Meeting held on April 23, 2019 at 10:00 AM attached to this Addendum.
- B. See 1972 drawings attached to this Addendum titled WATER WORKS IMPROVEMENTS CONTRACT NO. 5 RESERVOIR AND PUMPING STATION, including 18 pages prepared by Consoer, Townsend & Associates for existing drawings of physical conditions relating to the Hawthorn Center Reservoir structure.

II. The following are revisions to the Invitation To Bid:

A. Page INV-1, paragraph entitled "DUE DATE", delete the words "May 13, 2019 @ 2:00 PM" and replace with the words, "May 15, 2019 @ 11:00 AM".

III. The following are revisions to the Specifications:

- A. The following revisions shall be made to SECTION 01110 SUMMARY OF WORK:
 - a. Page 01110-5, subparagraph 1.08.A., add the following sentence after "...included in the Appendix.":
 - "The paint on the piping, valves, and pumps is considered lead based paint and Contractor shall base his or her bid on that assumption."
- B. The following revisions shall be made to SECTION 01520 CONSTRUCTION FACILITIES
 - a. Page 01520-3, paragraph 2.09.C., add the following subparagraph immediately after 2.09.C.4.:
 - "5. Construction Entrance for Hawthorn Center Reservoir
 - a. Provide access driveway from New Century Street to parking area on top of reservoir. Coordinate location with Owner.
 - b. No construction traffic is allowed through the golf outlet parking lot.

- c. Protect or cut and replace curb on New Century Street after completion of project.
- d. Access driveway shall be minimum 24-feet width.
- e. See C121 Detail A on Drawing 999-S-4 for driveway construction.
- f. After completion of project, driveway to be removed and area restored to preconstruction conditions."
- C. The following revisions shall be made to SECTION 01735 ALTERATION AND DEMOLITION PROCEDURES:
 - a. Page 01735-3, add the following subparagraphs immediately after 2.01.C.11.:
 - "12. (BWT) Generator
 - 13. (HWT) Motor control center and control panel
 - 14. (HWT) Contractor is not required salvage any other scrap metal from the Hawthorn Water Tower building other than the items specifically named above (generator, unit heaters, motor control center, and control panel)."
- D. The following revisions shall be made to SECTION 13402 PROCESS CONTROL SYSTEM:
 - a. Page 13402-5, delete subparagraph 2.01.B.1 in its entirety.
 - b. Page 13402-6, add the following as paragraph 2.01.C.:
 - "C. PLC-Based Control Panel OIU Functionality
 - Each panel shall have an OIU configured to allow Operator to view the entire connected water distribution system. OIU screens shall mirror the HMI in style and be consistent between all sites. HMI functionality shall only be available at the OIU for the local equipment. References to "HMI" in the functional descriptions shall also be meant to refer to the local and (for display) remote OIU's.
 - 2. OIU display data shall be derived entirely from the local PLC. A data table in the PLC shall store information gathered from the remote sites, and the PLC shall update that table on a set schedule. The update schedule shall be configurable, and set to not overburden the radio network with traffic. Coordinate with the Owner to find an acceptable update rate for the screens.
 - a. The data table in the PLC shall be time-stamped each time it is updated, and this time shall be visible on all remote site screens.
 - b. In the event of radio network failure the OIU shall indicate as such on all remote site screens, making it clear to the Operator they are unable to be updated."
- E. Page 13402-6, Paragraph 2.03.A.2., delete "...36"H..." and replace with "...48"H...".
- F. Page 13402-9:
 - a. Paragraph 2.04.A.2., delete "...36"H..." and replace with "...48"H...".
 - b. Paragraph 2.04.C.6., add the following sentence after "existing, to be relocated.":

"Reuse existing antenna cable and lightning arrestors."

- G. Page 13402-12, Paragraph 2.05.A.2., delete "...30"H x 24W..." and replace with "...36"H x 30"W..."
- H. Page 13402-13, Paragraph 2.06.C.6, add the following sentence after "existing, to be relocated.":

"Reuse existing antenna cable and lightning arrestor."

I. Page 13402-17, Paragraph 2.07.C.6, add the following sentence after "existing, to be re-mounted.":

"Reuse existing antenna cable and lightning arrestor."

- J. Page 13402-21, Paragraph 2.08.C.6, add the following sentence after "existing, to be re-mounted.":

 "Reuse existing antenna cable and lightning arrestors."
- K. Page 13402-24, Paragraph 2.09.C.6., add the following sentence after "existing, to be relocated.": "Reuse existing antenna cable and lightning arrestors."
- IV. The following are revisions to the Drawings: None
- V. Any revisions to any of the Contract Documents made by this Addendum shall be considered as the same revision to any and all related areas of the Contract Documents not specifically called out in this Addendum.
- VI. The Bidder shall acknowledge receipt of this Addendum by filling out and including the Addendum Acknowledgement form, located in the Bid Specifications, as an attachment to the Bid.

DONOHUE & ASSOCIATES, INC.

NATHANIEL WILLIAM CASSITY
O62-062820
Expires: //-30-/1

Nathan Cassity, P.E.



Michael Stohl, P.E

TIMOTHY J. BATES 081.007911

T/ Part 4/29/19

ER: 11/36/20

Timothy J. Bates, S.E.

END OF ADDENDUM #1

Lake County Public Works Vernon Hills Water System Electrical and Mechanical Upgrade

Pre-Bid Conference Agenda April 23, 2019, 10:00 AM

- I. Please be sure to sign in on the sign-in sheet.
- II. Verbal instructions, discussions, or clarifications made by either Owner or Engineer during the bid period and/or the Pre-Bid Meeting are non-binding. Only written Addenda are made part of the Contract Documents.
- III. Bidding Documents are available through Lake County Purchasing Portal (www.lakecountypurchasingportal.com) contract number 19062.
- IV. Bid Closing: This date has been revised and will be included in Addendum 1. Sealed Bids will be received until 11:00 a.m. Local Time on May 15th, 2019 at the Lake County Public Works Department office located at 650 West Winchester Road, Libertyville, Illinois 60048. After the official Bid closing time, the Bids will be publicly opened and read aloud.
- V. Deadline for submitting bidding questions is May 8th (one week prior to bid opening). Any questions submitted after this day cannot be answered.
- VI. The work for which Bids are being requested is summarized as follows:
 - 1. Improvements at water distribution facility buildings including mainly electrical, instrumentation, and control upgrades along with some sitework, structural, architectural, process piping, plumbing, heating, ventilation, and air conditioning upgrades.
- VII. Bidders to review, plan for, and budget for the construction sequencing and constraints identified in Section 01110 Summary of Work. Note that the sequencing and constraints are complex.
 - 1. Only one location can be taken out of service at a time
 - 2. Each location has a defined allowable shutdown duration
 - 3. Some systems are not allowed to be taken out of service and will require temporary power.

VIII. Project Times

- 1. Substantial Completion 485 days (approximately 16 months) after Contract Times commence.
- 2. Final Completion 545 days (approximately 18 months) after Contract Times commence.
- 3. See Agreement

IX. Liquidated Damages

- 1. Substantial Completion: \$400 per day
- 2. Final Completion: \$200 per day
- 3. See Agreement

X. Wage Rates

- Contractor and Subcontractors shall pay wages not less than the prevailing hourly wage rate for each classification of employee engaged on the Work as determined by the State of Illinois Department of Labor.
- 2. See Wage Rate Requirements
- XI. Allowances Section 01 21 00
 - 1. ComEd electrical service work, \$40,000
 - 2. North Shore Gas service work, \$2,000
 - 3. Dixon Engineering review of water tower penetrations, \$2,500
- XII. Scrap Metal Dumpsers: See Section 01735 for requirements to place all scrap metal into dumpsters provided by Lake County for recycling.
- XIII. Lake County staff will not accept or sign for any deliveries. The Contractor must receive the delivery and provide proper storage.
- XIV. Refer to the Instructions to Bidders for detailed instructions on the preparation and submittal of Bid and other bidding matters.
- XV. Bid Envelopes shall include:
 - 1. Bid Form:
 - Fill in Bid Price Schedule (all item numbers along with total in both words and figures at the bottom)
 - Fill in Base Bid Material and Equipment Schedule, both supplier's price and installed cost
 - Fill in the blanks for type and amount of Bid Security
 - Fill in bidder's name and contact information
 - Execute the Bid. Properly fill out and sign the Bid based on your entity.
 - 2. Bid Security certified check or bid bond
 - 3. Evidence of Bidder's authority and qualification to do business in the state of Illinois
 - 4. Contractor Qualification Form
 - 5. Addendum Acknowledgement Form
 - 6. Vendor Disclosure Form
- XVI. Bids are subject to acceptance for 90 days after the bid opening date. This item will be clarified in Addendum 1.

XVII. All verbal comments made today are to be used at Contractors discretion. Only written documentation in the form of addenda will be binding.

Bidding Questions Contact: Lake County Purchasing Phone: (847) 377-2929

Email: Purchasing@lakecountyil.gov

XVIII. Site Visits: See Site Visits Schedule attached.

XIX. Questions.

XX. Site Visits.

SITE VISIT SCHEDULE

BID#19062 PW#2015.050 VERNON HILLS WATER SYSTEM ELECTRICAL AND MECHANICAL UPGRADE

Dated: 3/28/19

Location	Time at Site Minutes	Tuesd 4/23 , Gro	/2019	Tuesd 4/23/ Gro	2019	4/23 Gro	lay (1) /2019 up 3 eded	4/2		day (2) /2019 ific Times		Remarks / Comments
1 NCT Vernon Hills Plant	60	10:00	11:00	10:00	11:00	10:00	11:00		N/A	N/A		Pre-bid Meeting 4/23/19 10:00 AM
2 Corporate Woods Reservoir	20	11:10	11:30	3:10	3:30	2:30	2:50		10:00	11:00	Dave	Limited parking on private drive
3 South Delivery Structure	20	11:40	Noon	2:40	3:00	11:10	11:30		10:00	11:00	Mark	Limited parking on private drive
4 Hawthorn Tower and Building	20	12:10	12:30	2:10	2:30	11:40	Noon		11:15	12:15	Dave	Limited parking on private drive
5 Butterfield Tower	30	12:40	1:10	1:30	2:00	12:10	12:40		11:15	12:15	Mark	Parking not an issue / locked gate
6 Gregg's Landing Reservoir	30	1:20	1:50	12:50	1:20	3:00	3:30		12:30	1:30	Dave	Main Gate Code / OP's to leave open
7 Grainger Reservoir	20	2:00	2:20	12:20	12:40	12:50	1:10		12:30	1:30	Mark	OP's must clear with Grainger
8 Hawthorn Mall Center Reservoir	60	2:30	3:30	11:10	12:10	1:20	2:20		1:45	3:00	Dave / Mark	Parking in lot north of reservoir
		Tour L Mai		Tour L Dav			.eader: BD					

Dated: 3/28/19

⁽¹⁾ Guided tour of sites on 4/23/19 per schedule

⁽²⁾ Contractors option to revist sites on 4/26/19 per time frames noted on schedule

<u>Lake County Public Works</u> <u>Vernon Hills Water System Electrical and Mechanical Upgrade</u>



Pre-Bid Conference Meeting, 10:00 AM on Tuesday, April 23, 2019

Sign-In Sheet

Attendee	Representing	Telephone Number/email address
1. Brad Porch	Krause Electric	847 360-1351 broad@krausedectric.com
2. Marc Gilman	JJ Henderson	847-214-3782 Marcus Go JJ Hardenson, com
3. Dre Henderson	Boller	247662 5566 estimating Chillerconstruction
4. Bill Graham	Wunderlich - Malec	847-691-9542 Bill. Graham & wmeng. com
5. KEVIN VIGNOCCHI	ISENO & SONS	847.615,8509 TED. KENOSONS@SBLGLOBAL, NET
6. MIKE Marony	LEYDEN EUXINC	630-365-0200 mmorongeleydeveledric.
7. LOE LABELL	Mc Williams	630-816-7868 jlabele @ncwelec.com
8. ANDY BEAN	TIETER ELECT.	847.599-1774 ANDYBEAN CRIEPERPOWER. COM
9. NICK EKENDER	INDEPENDENT MECH	772-256-8967 NSKENDEROINDEPENSEN
10. Nathan Cassity	Dorohue	9208037370 ncossity@donohue-associates.

LAKE COUNTY PUBLIC WORKS VERNON HILLS WATER SYSTEM ELECTRICAL AND MECHANICAL UPGRADE



Pre-Bid Conference Meeting, 10:00 AM on Tuesday, April 23, 2019

Sign-In Sheet

Attendee	Representing	Telephone Number/email address
11. Mark Ottersen	LCPW	847-309-5498/mottersen@lakecountyil.
12. DAVID HUMBERT	LCPW	e47-397-7145/ Shumberte lake auntyil.g.V
13. Michael Koninnell	LCPN	847 309 / mgrinnell Blacke Coulty
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LAKE COUNTY, ILLINOIS PUBLIC WORKS DEPARTMENT

WATER WORKS IMPROVEMENTS CONTRACT NO. 5

RESERVOIR AND PUMPING STATION

VERNON HILLS NEW CENTURY TOWN

CONSOER, TOWNSEND & ASSOCIATES CONSULTING ENGINEERS

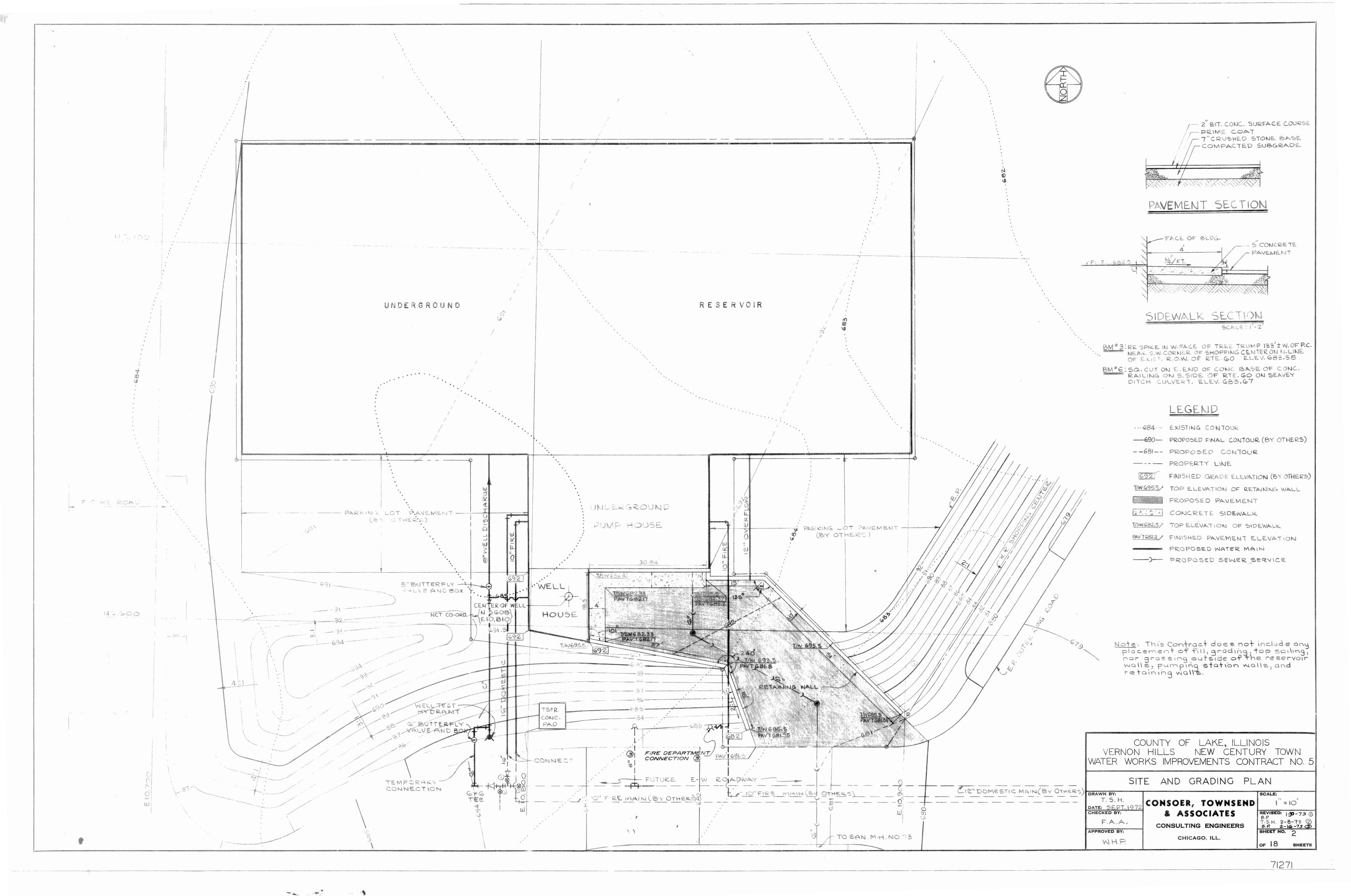
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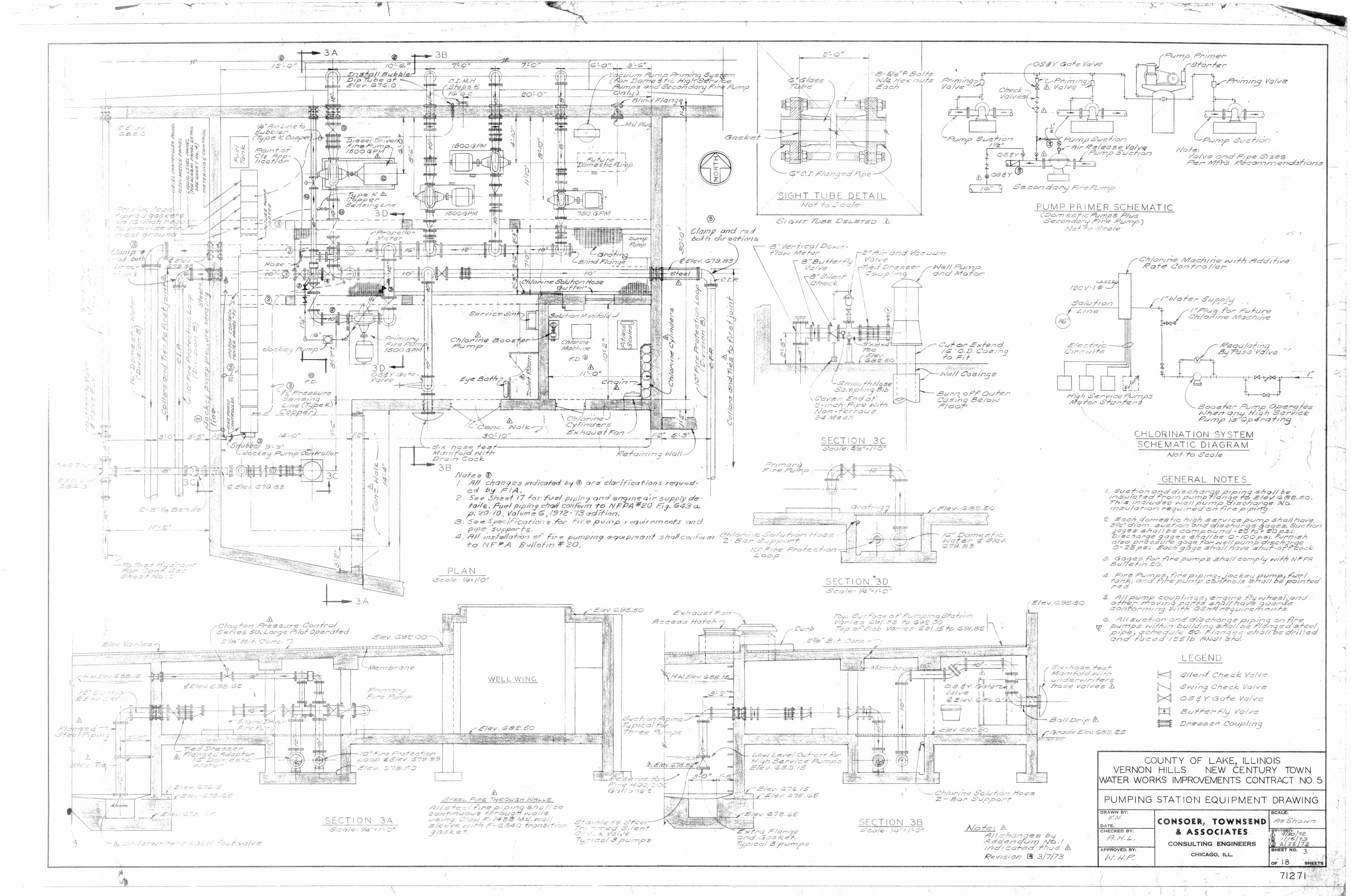
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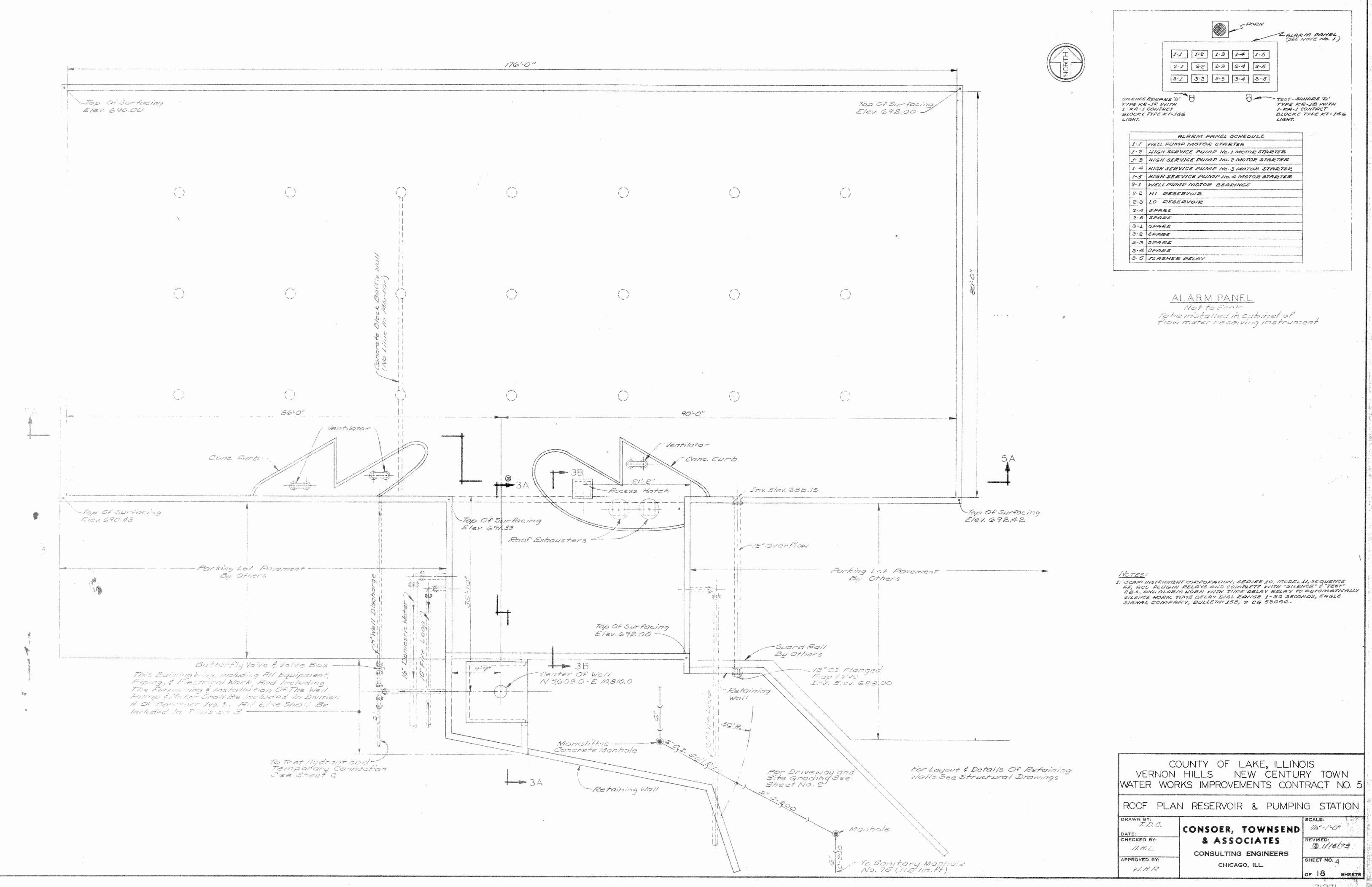
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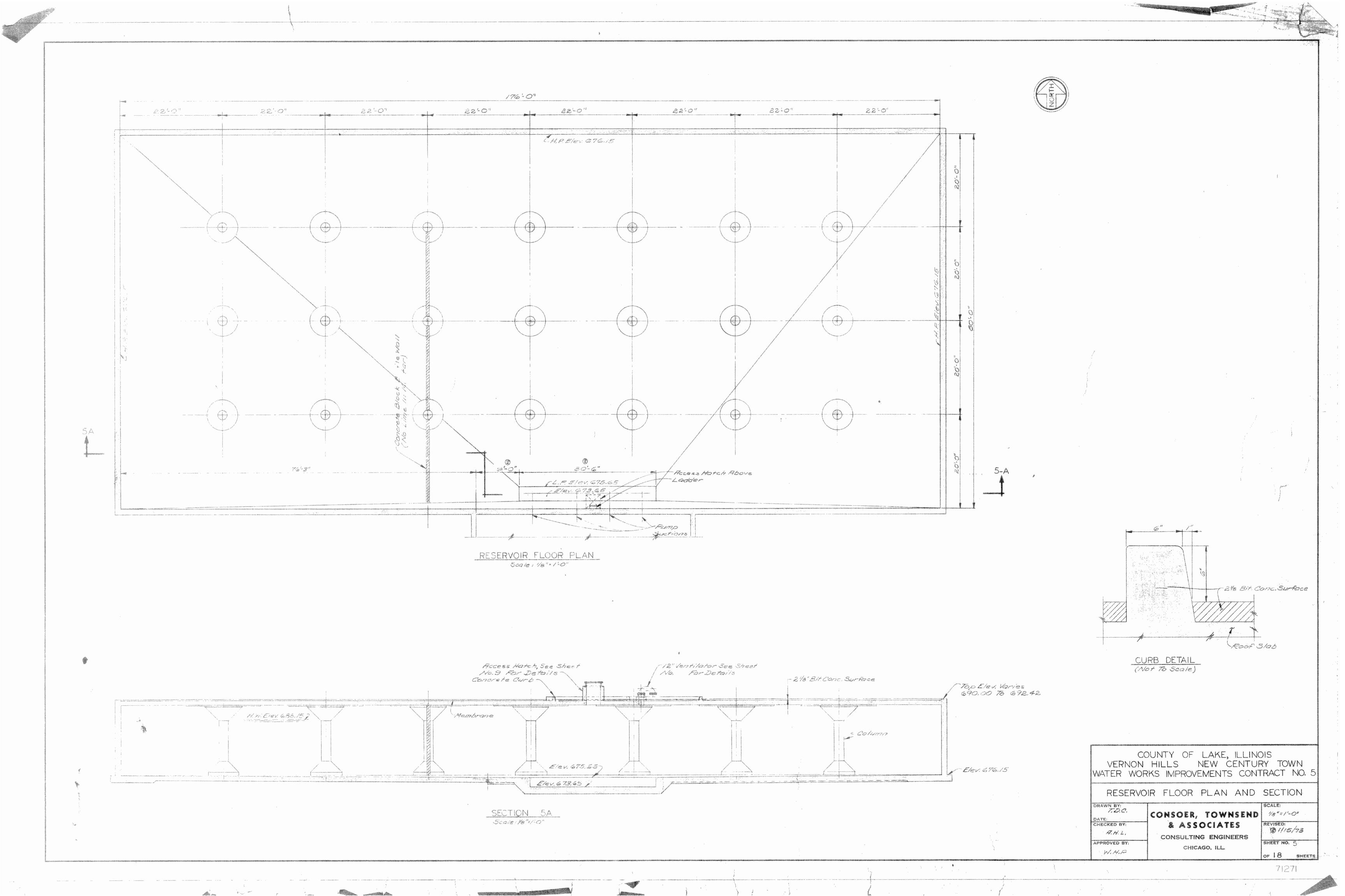
VOLUME II OF CONTRACT DOCUMENTS

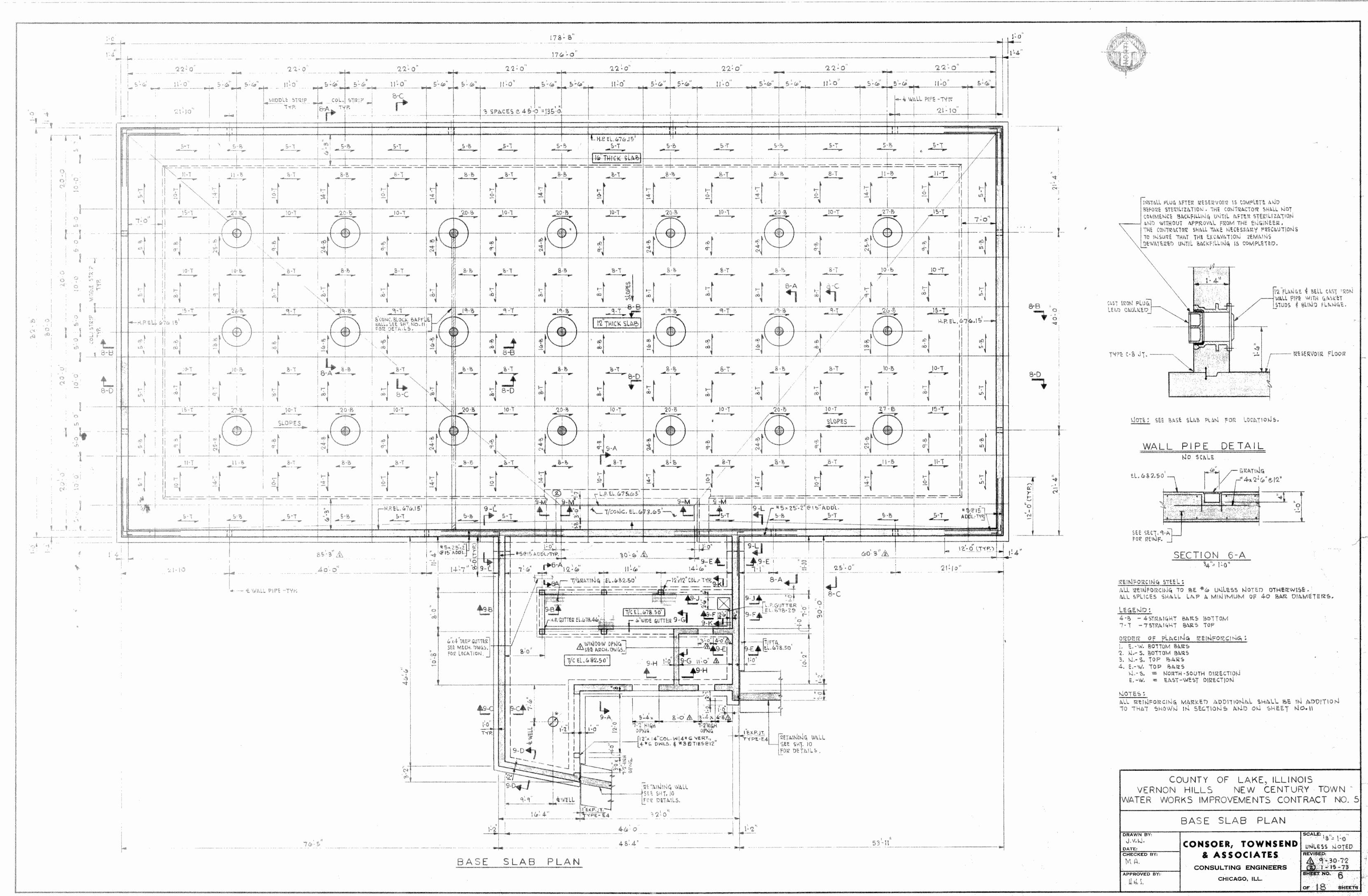
SHEET 1 OF 18 SHEETS

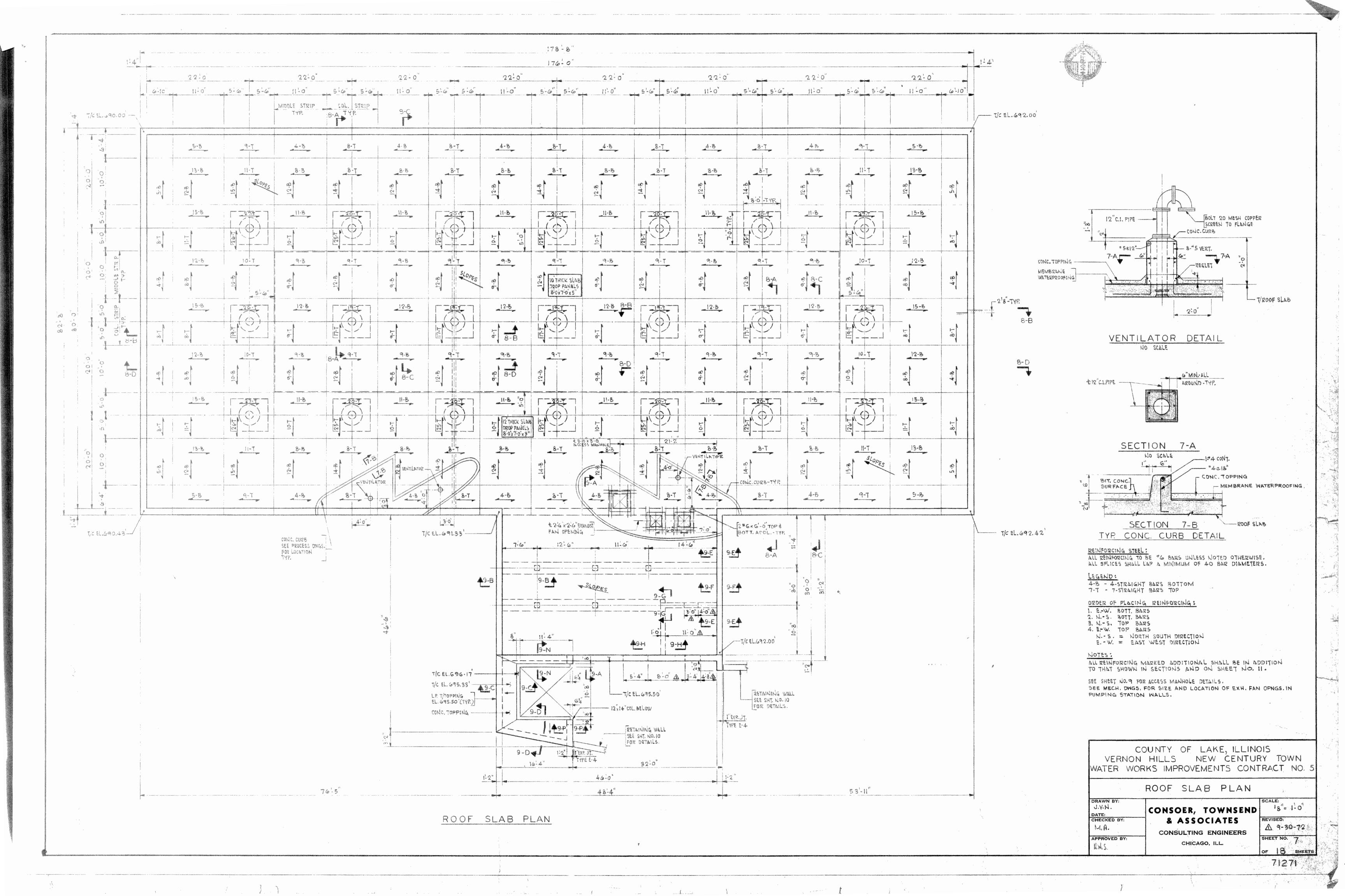


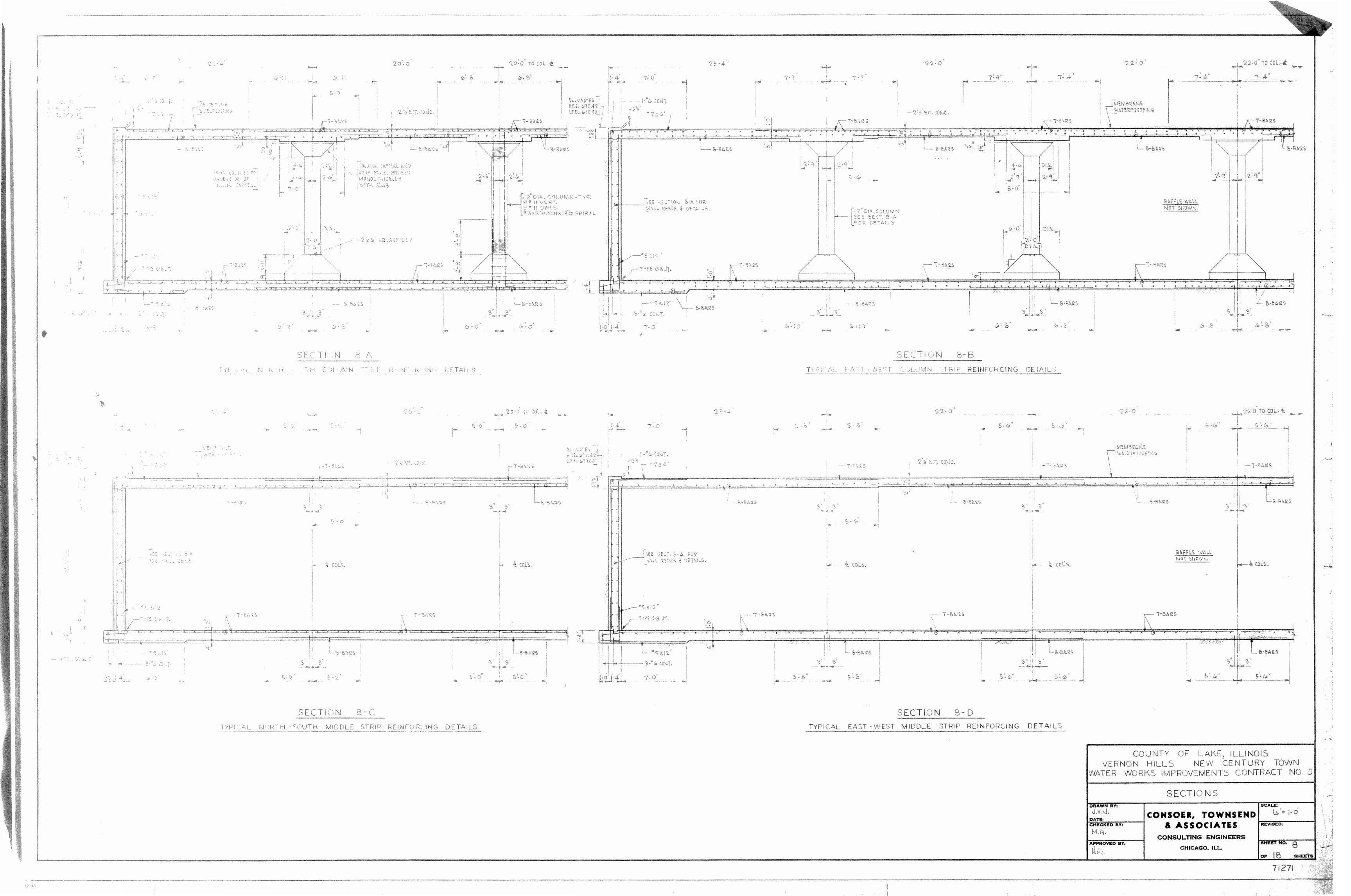


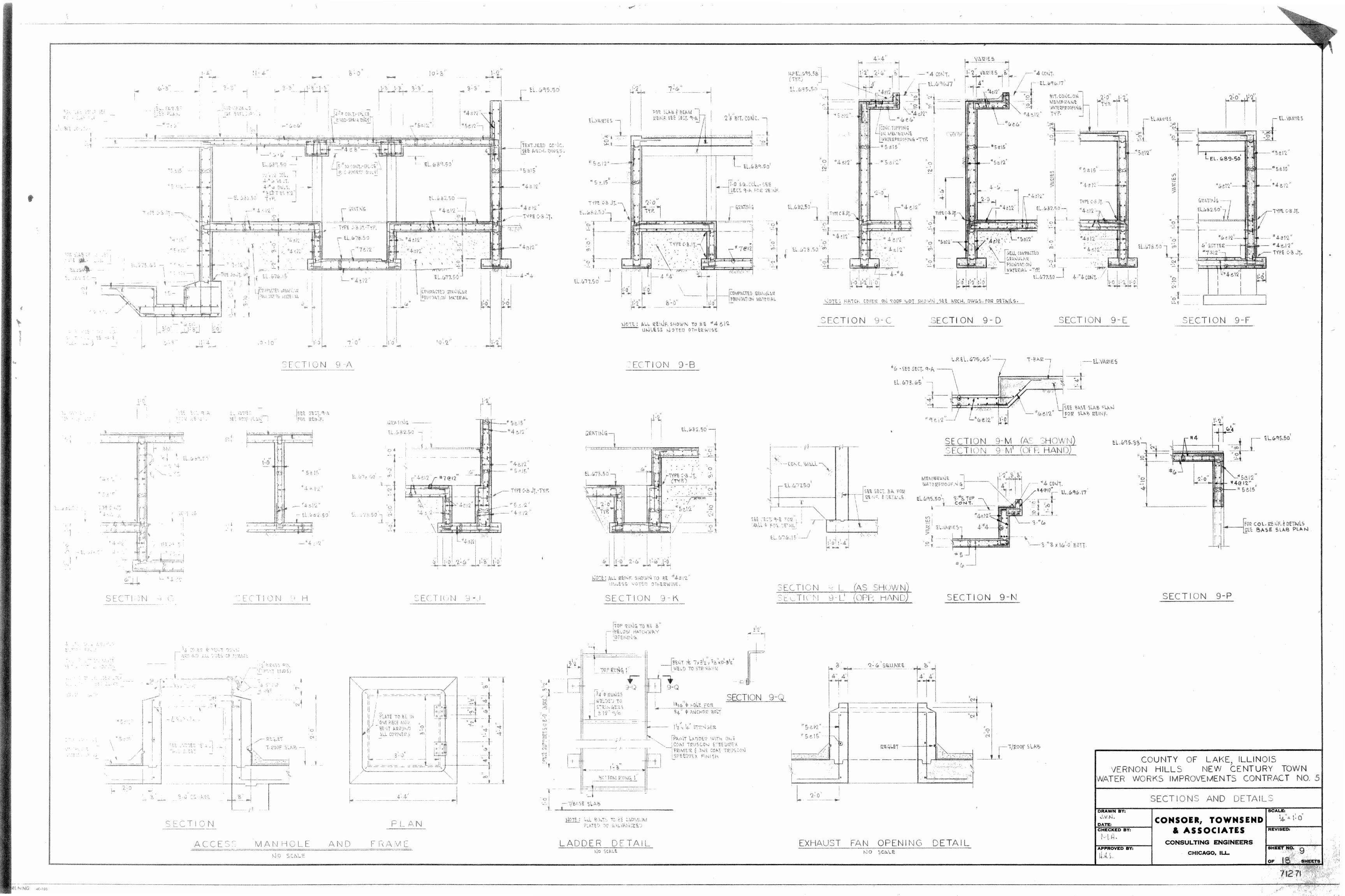


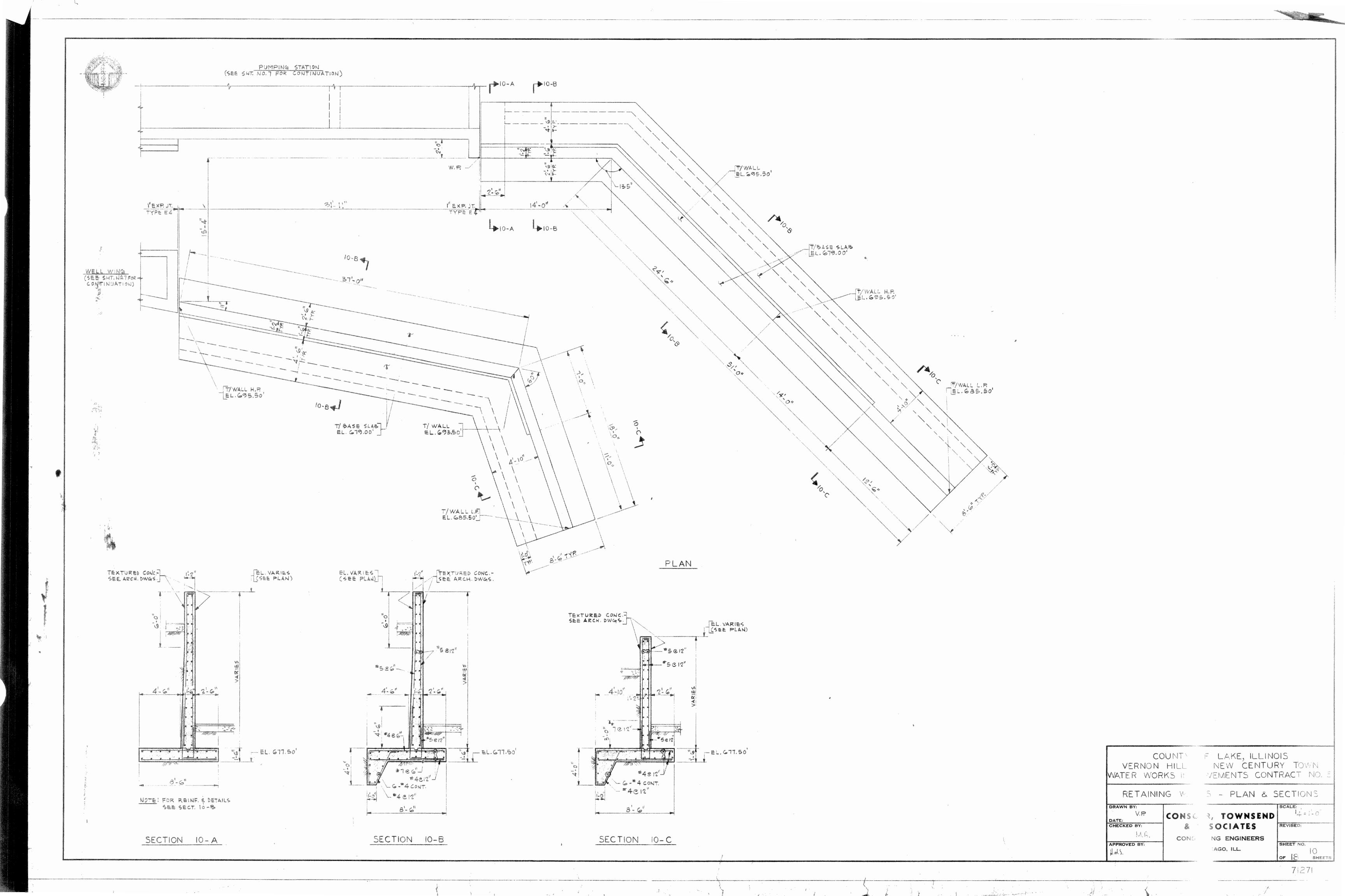


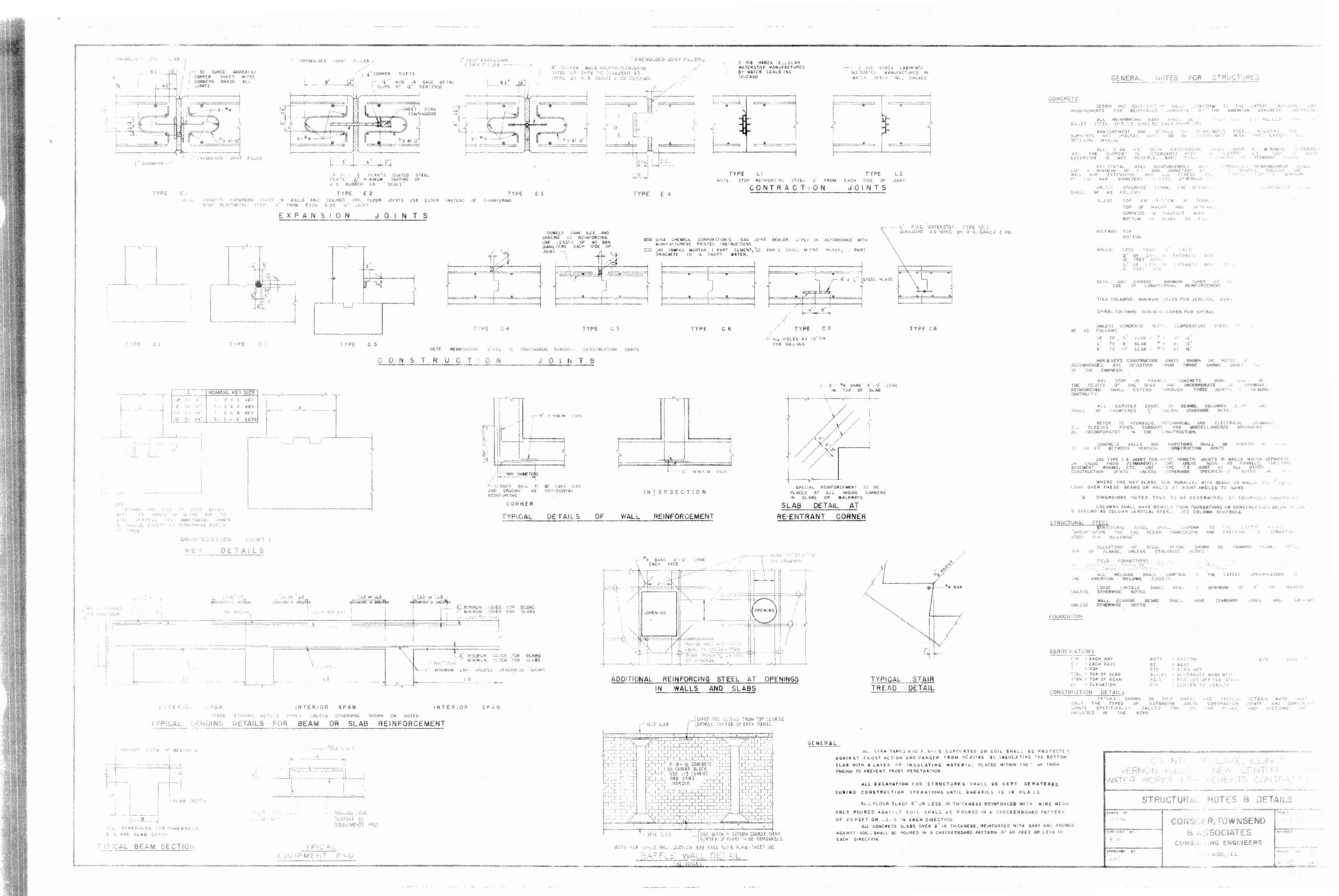


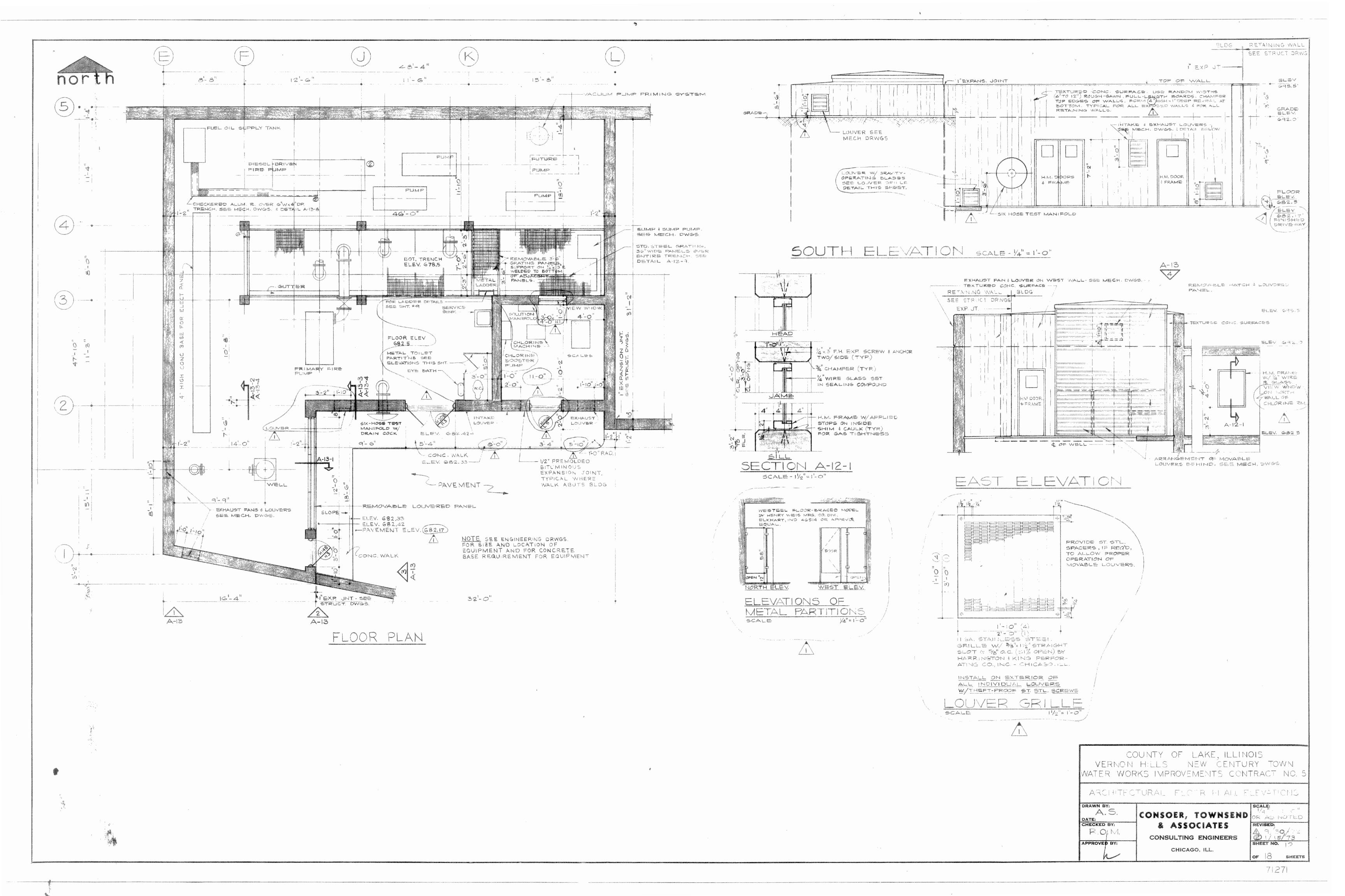


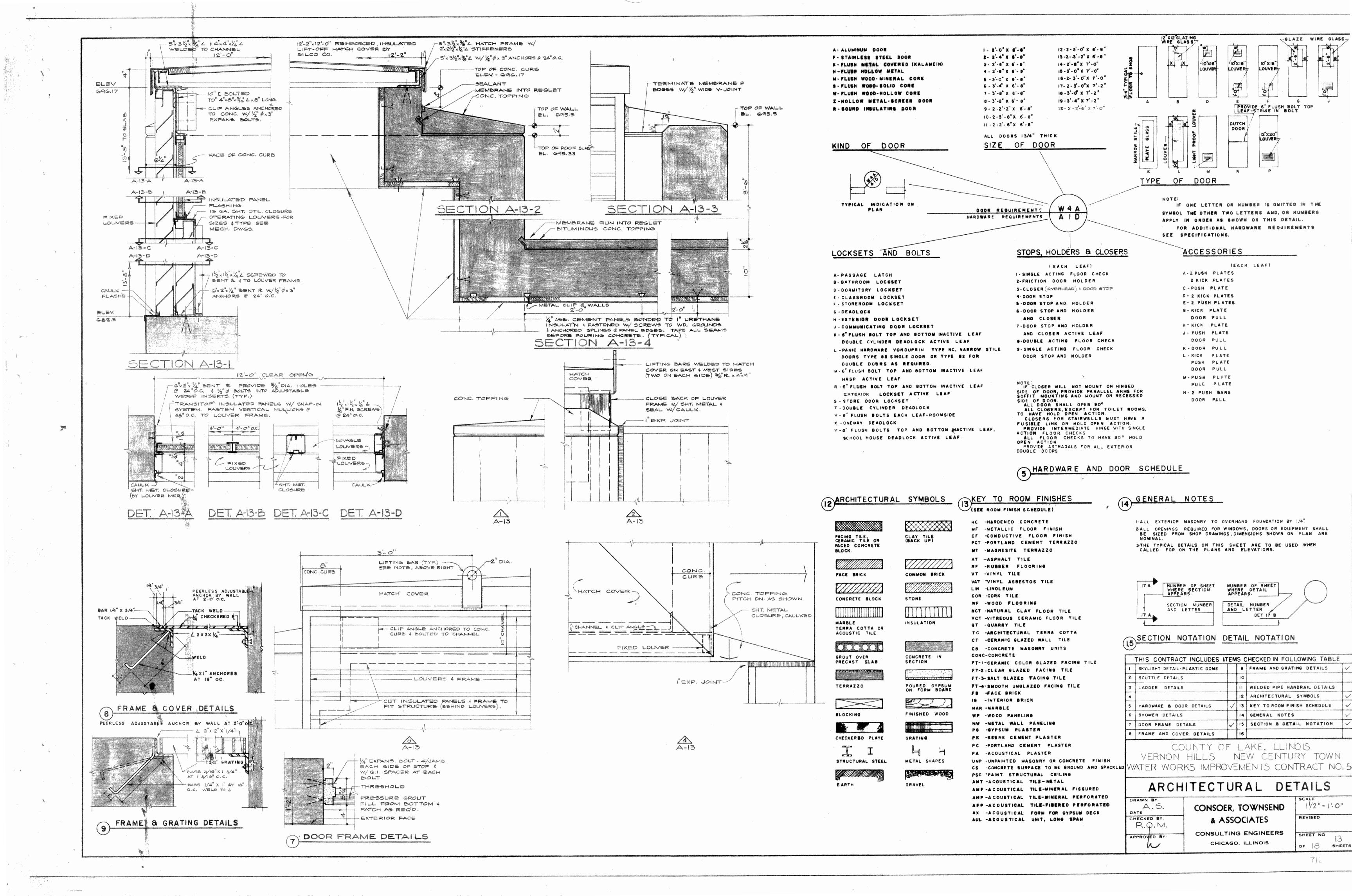


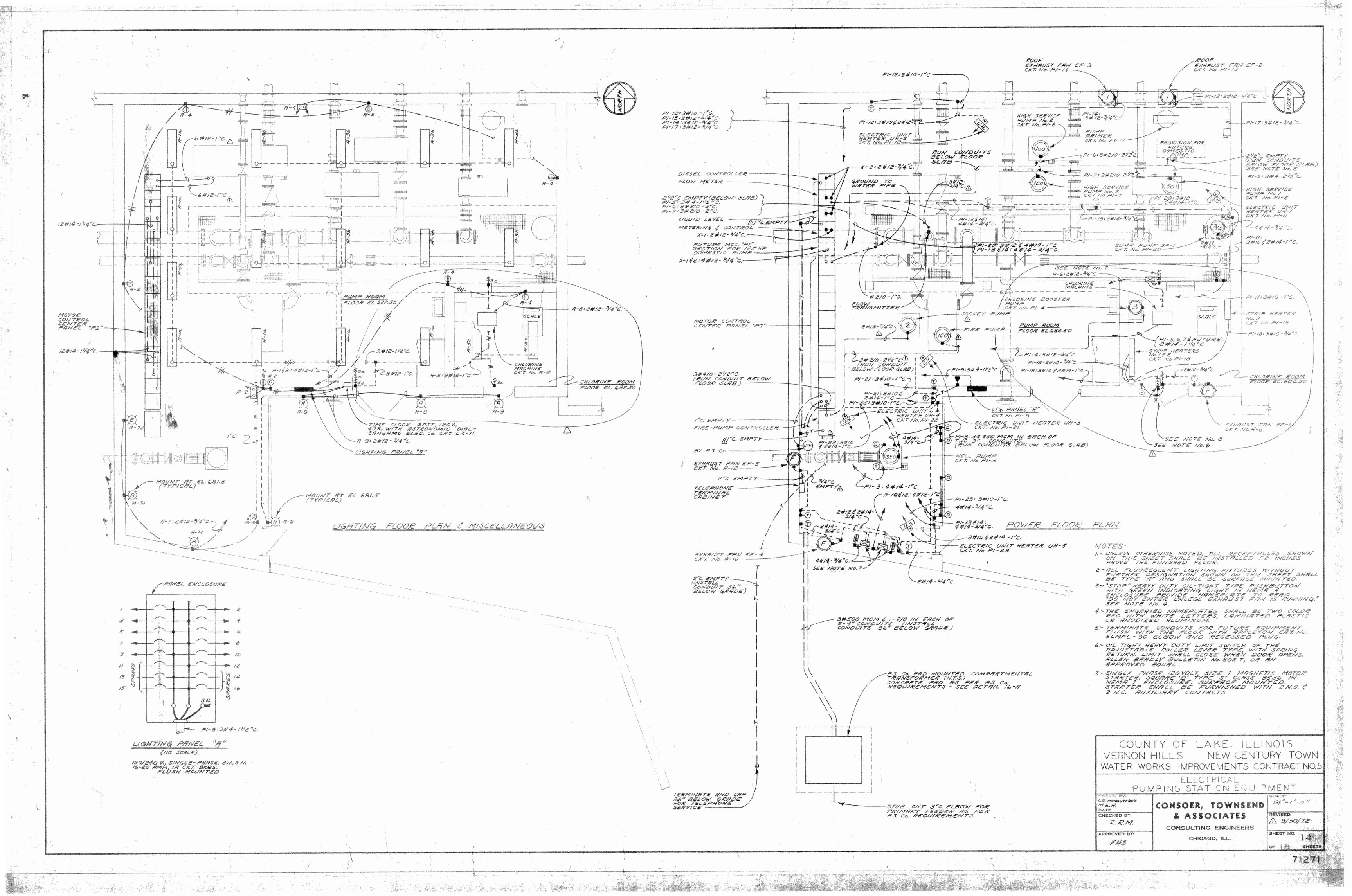


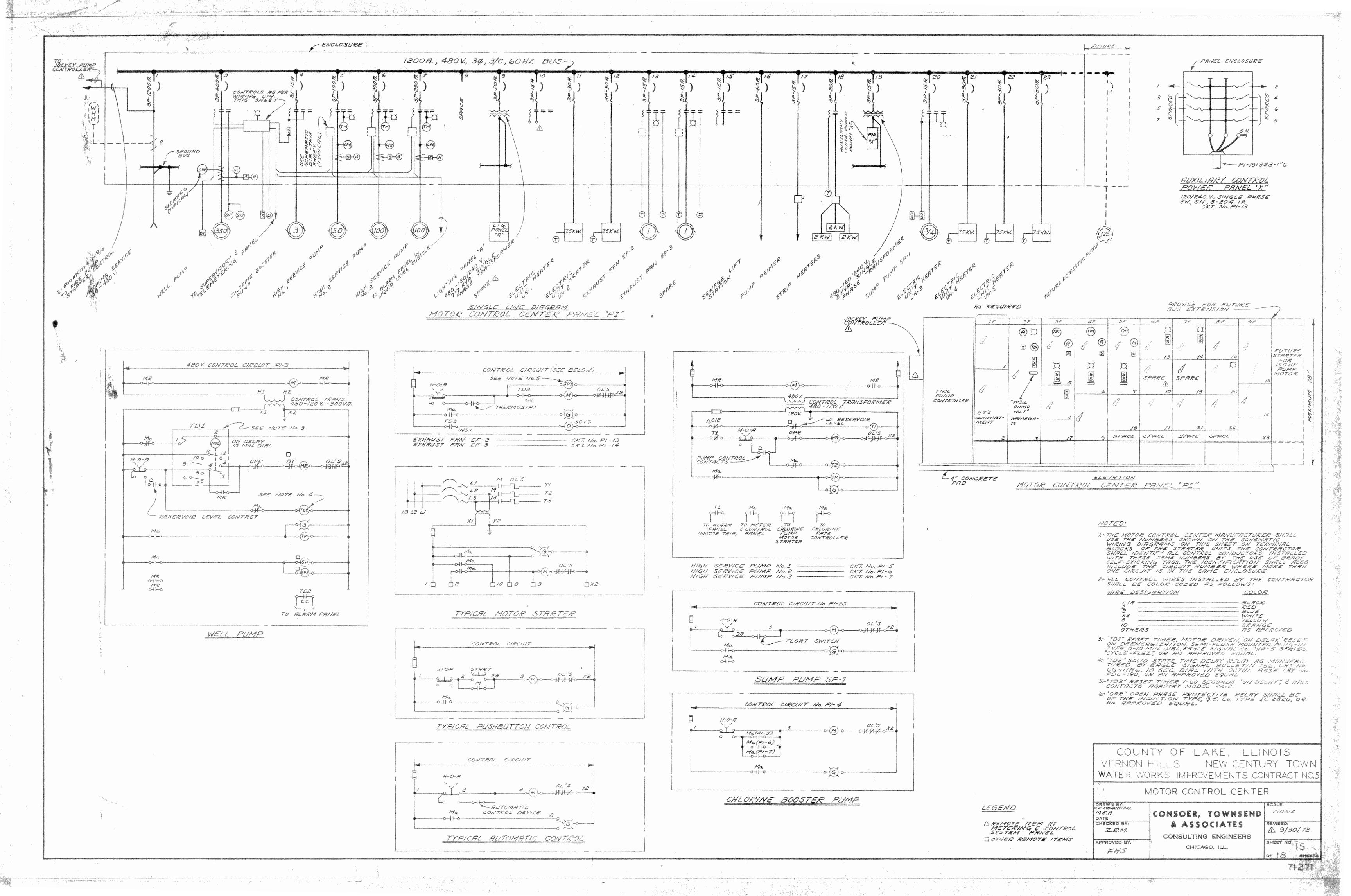


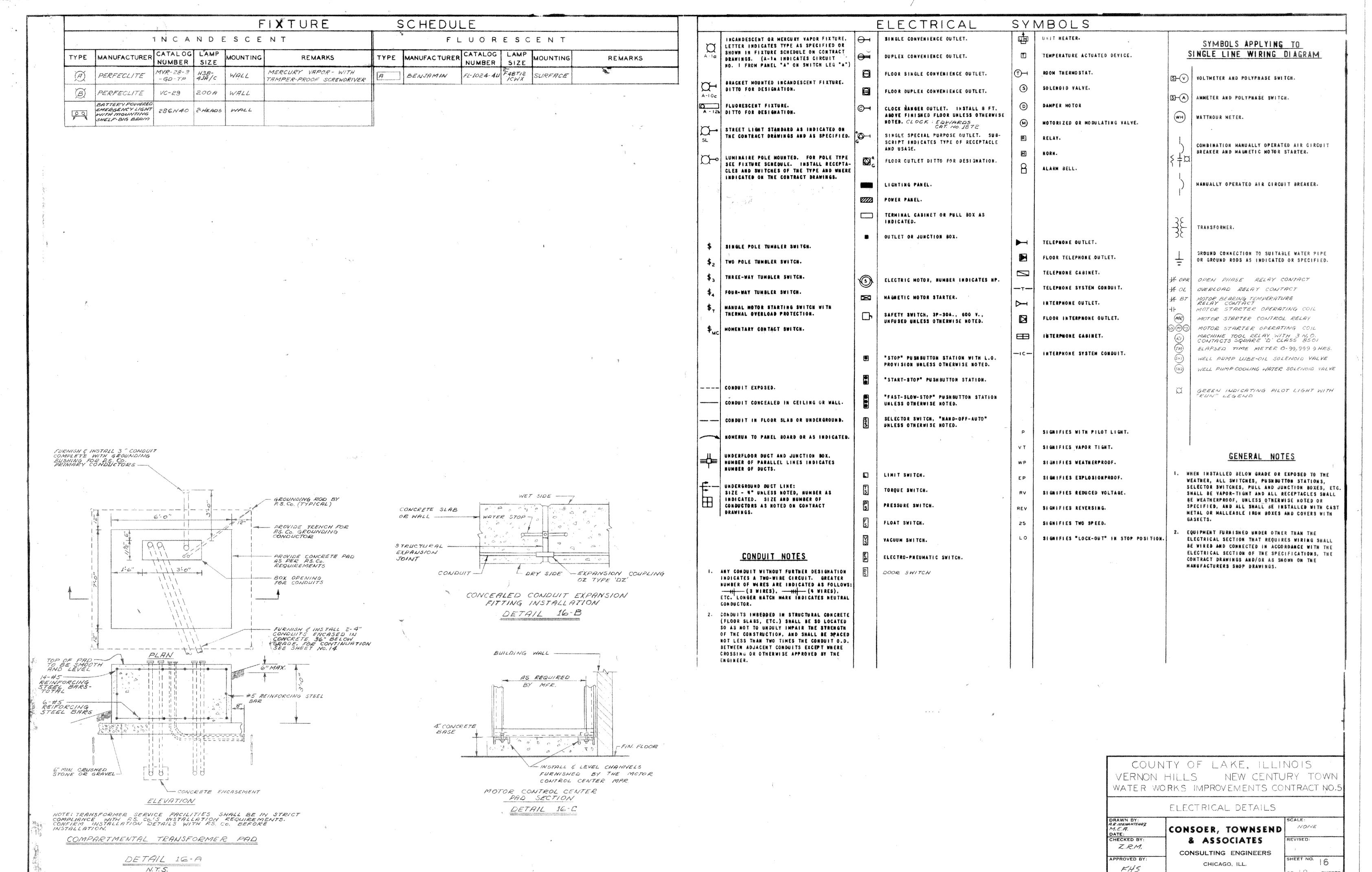






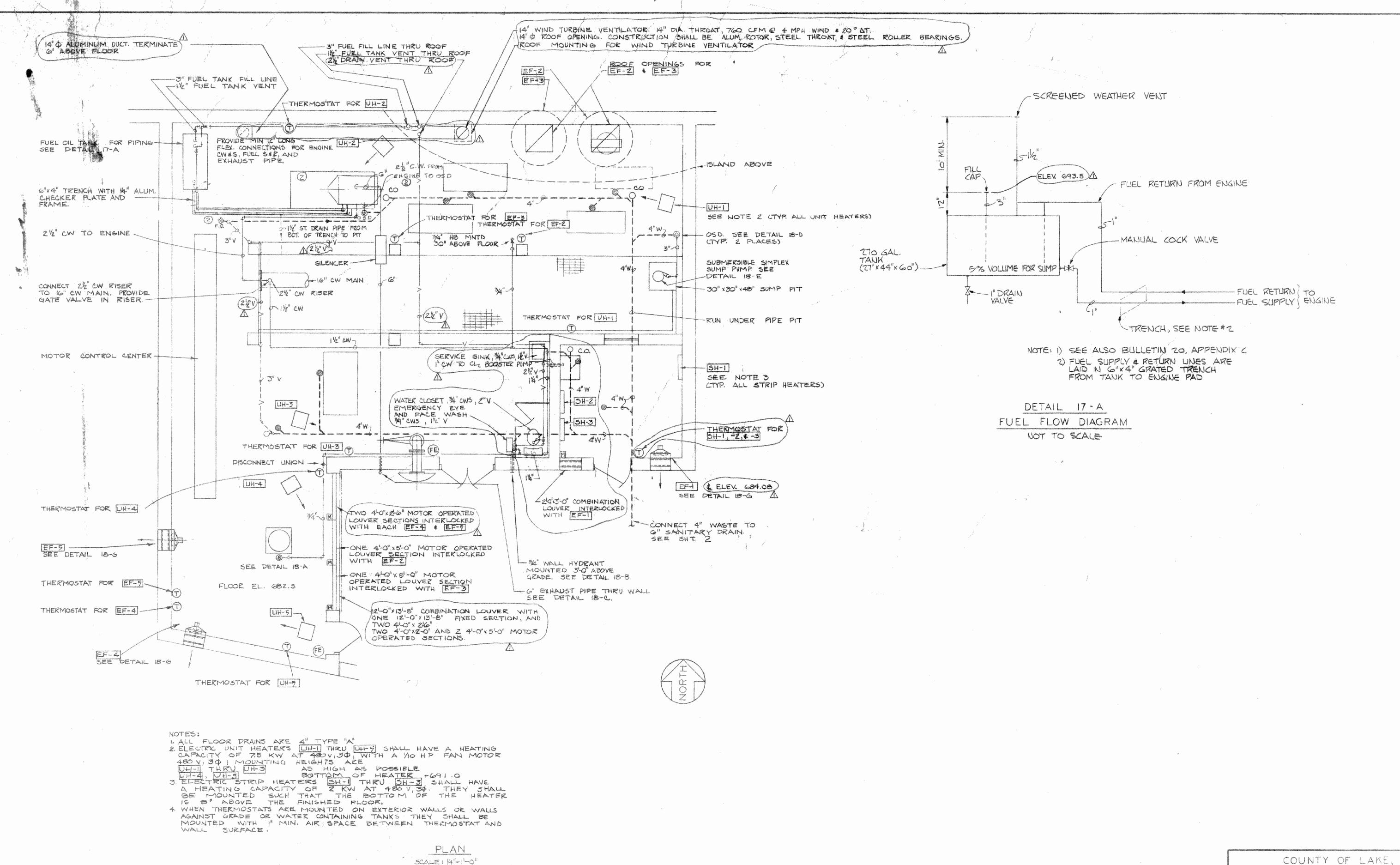






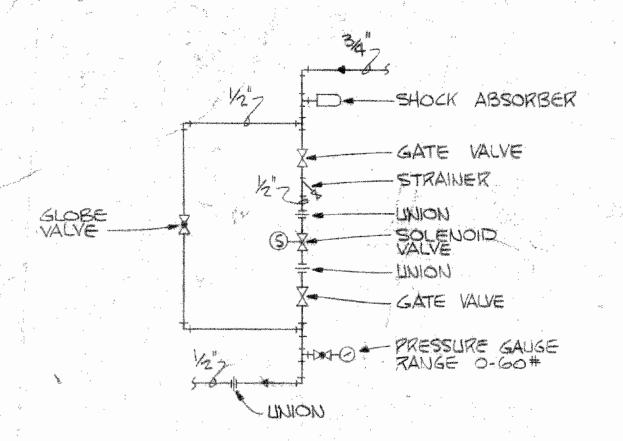
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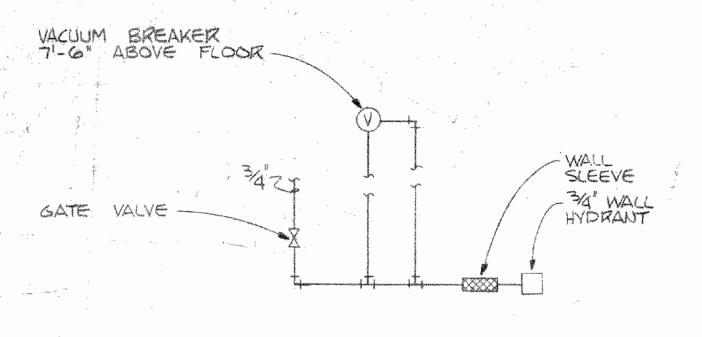
COUNTY OF LAKE, ILLINOIS. VERNON HILLS NEW CENTURY TOWN WATER WORKS IMPROVEMENTS CONTRACT NO. 5 HEATING - VENTILATION . PLUMBING PLAN DRAWN BY: OFS CONSOER, TOWNSEND AS SHOWN DATE: SEPT. 72 REVISED: CHECKED BY: & ASSOCIATES 30 SEPT 72 1.J.L. CONSULTING ENGINEERS 2 1-15 78 SHEET NO. APPROVED BY: CHICAGO, ILL. SHEETS

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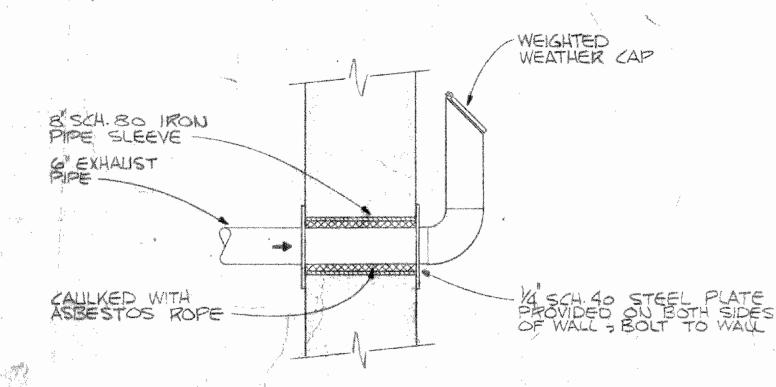


WELL PUMP OIL COOLER SOLENOID WASTE TO WELL BY PUMP VENDOR

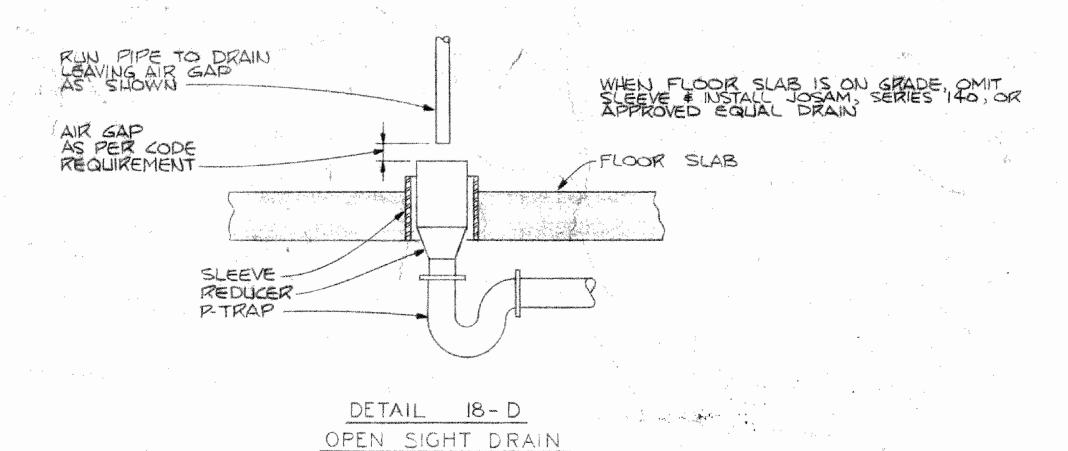
DETAIL 18 - A
SOLENOID CONTROL STATION

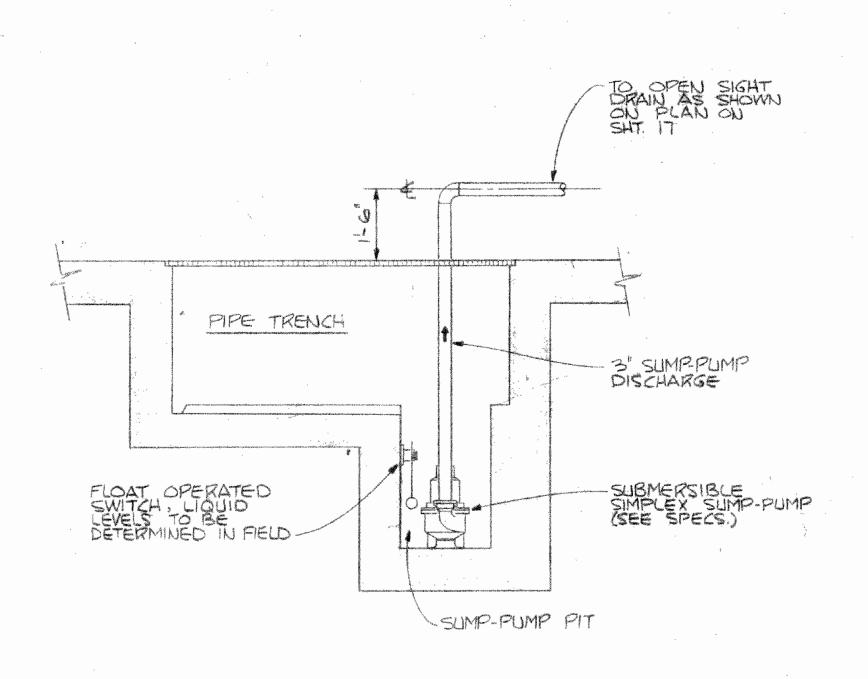


DETAIL 18-B WALL HYDRANT

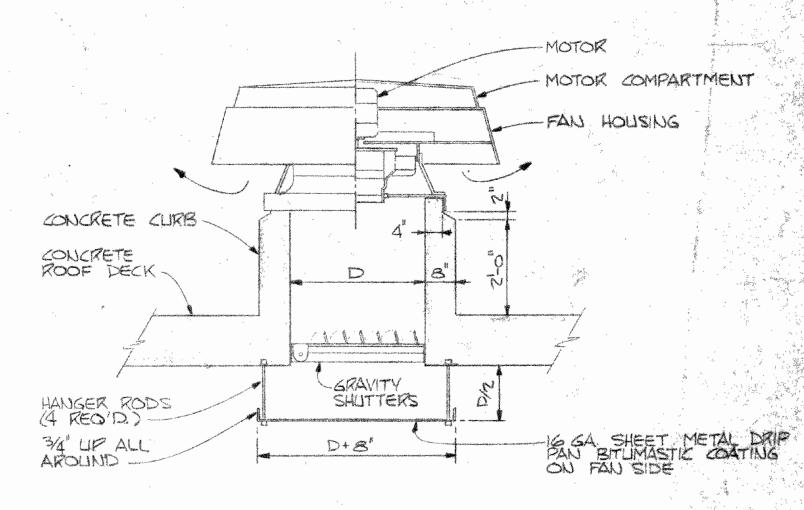


DETAIL 18-C EXHAUST PIPE SLEEVE

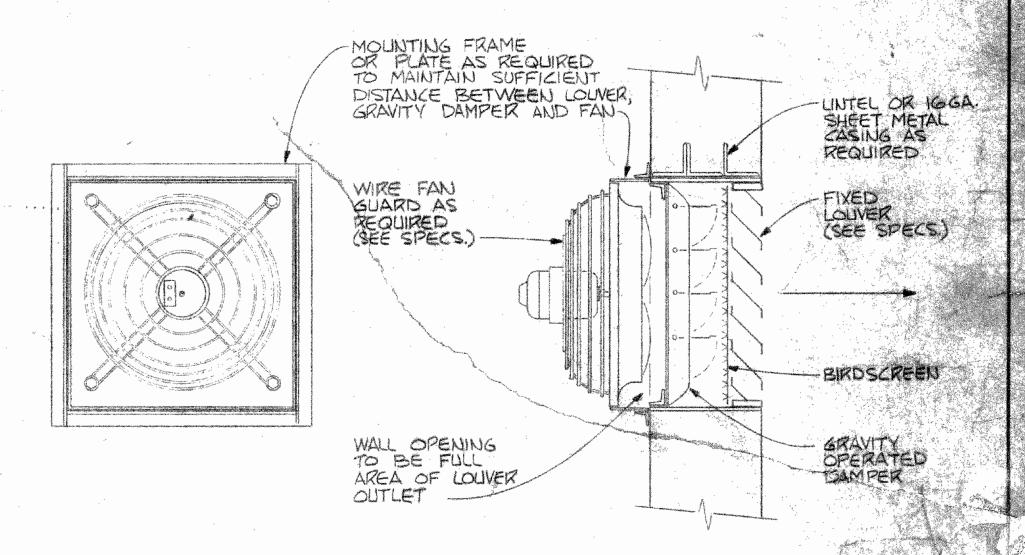




DETAIL 18 - E SUMP PUMP



DETAIL 18-F
POWER ROOF VENTILATOR



DETAIL 18-G
WALL MOUNTED PROPELLER EXHAUST FAN

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	MAIN PUMP ROOM	PRV	591	0375	5100	4176	7.1	BELT		460	3	60	
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NOTE:
PRV-POWER ROOF VENTILATOR
PPROPELLER FAN

COUNTY OF LAKE ILLINOIS

VERNON HILLS NEW CENTURY TOWN

WATER WORKS IMPROVEMENTS CONTRACT NO.5

HEATING -VENTILATION - PLUMBING - DETAILS

CONSOER, TOWNSEND NONE
SEPT.72

**SEPT.72

**CONSULTING ENGINEERS

**SHEET NO.

**SHEET NO.