

EXHIBIT A

Scope of Engineering

Services and Related Matters

RFP #26-2017

**Investigation / Design Services for Town Branch WWTP
Thickening Process Evaluation and Equipment Upgrades**

Lexington – Fayette Urban County Government (LFUCG) Division of Water Quality

The Lexington-Fayette Urban County Government is accepting proposals from interested consulting engineering firms for the Investigation / Design Services for Town Branch Wastewater Treatment Plant (WWTP) Thickening Process Evaluation and Equipment Upgrades.

1. General Project Description

The CONSULTANT shall perform professional services as hereinafter stated which shall include but is not limited to customary civil, structural, mechanical, electrical engineering, and programming services as related to the Investigation / Design for Town Branch WWTP Thickening Process Evaluation and Equipment Upgrades.

Per the Group Two Sanitary Sewer System and WWTP Remedial Measures Plan, the intent of the Thickening Process Evaluation and Equipment Upgrade is to replace equipment that has surpassed its useful life therefore increasing reliability and lowering operating cost by improving efficiency. Construction of the Thickening Equipment Upgrades must be complete by December 31, 2019. Currently identified for replacement but not limited to is the internal equipment of the two existing gravity thickeners; drives, rakes, and skimmers. Other items to be considered are windows, doors, odor control equipment, heaters, ventilation, the plant water system in the area and hydrants. The Thickening Process Evaluation will include adding thickening capacity. Two WAS thickening centrifuges have been removed due to advanced deterioration resulting in the equipment being non-operational. This results in an overload condition of the gravity sludge thickeners during higher flows. LFUCG would like to compare the cost of building a new gravity thickener to adding thickening centrifuges. Other equipment to consider is the replacement of the existing primary sludge pumps and equipment related to the thickening process after the primary clarifiers and prior to the primary digesters. A Preliminary Engineering Report will be completed evaluating equipment replacement options.

Funding for this project is 100% sewer fund revenue, no federal fund involvement is expected.

2. Scope of Work: Thickening Process Evaluation and Equipment Upgrades

The Thickening Process Evaluation and Equipment Upgrades will evaluate the most efficient way to increase thickening capacity and replace equipment that has surpassed its useful life to increase reliability while lowering operating cost by improving efficiency. The project must be completed by **December 31, 2019**.

During the design the CONSULTANT will compare additional thickening options and work to install new equipment that will enhance the process. Equipment currently identified for replacement is listed below.

- Replacement of drives, rakes and skimmers in the 2 existing gravity thickeners
- Addition of thickening capacity

Other related equipment and building repairs to be evaluated during preliminary review:

- Plant water review in the area of the gravity thickeners
- Replacement of hydrants in the area
- Lighting outside and in the gravity thickener buildings
- Flow meters and valves
- New primary sludge pumps
- Gravity Thickener's Odor control
- Rooftop Heater
- Ventilators
- Tank Ventilation
- Doors and windows
- General building structural review
- Roof replacement

A. Task 1: Existing Thickening Process Review

- (1) Interview Town Branch Wastewater Treatment Plant Operations and Management staff for input regarding the current process equipment control and functionality related to the Thickening Process.
- (2) Collect any other supporting data needed for design decisions.

B. Task 2: Develop Equipment/Process Replacement Concepts and Schedules

- (1) Prepare a conceptual layout for each concept evaluated along with design calculations.
- (2) Conduct a 20-year life cycle and present worth analysis for each conceptual design evaluated.
- (3) Prepare preliminary cost estimates and implementation schedules for all conceptual designs.
- (4) Present Preliminary Engineering Report to Treatment Plant Management Staff for a review of all conceptual designs and receive guidance for progress towards the final design.
- (5) LFUCG will respond in writing to the preliminary Engineering Report, providing authorization for work under Task 3.

C. Task 3: Detailed Design

- (1) Conduct detailed design progress meetings at 25%, 50%, and 90% completion. The dates for these progress meetings will be decided on during the first pre-design meeting. Progress reports and drawings will be submitted one week before the Lexington-Fayette Urban County Government review and comment. (3 copies)
- (2) Conduct and present any related design calculations to support the new equipment/process.
- (3) Furnish detailed cost estimates for probable cost and revise the 20-year life cycle and present worth analysis for the 50% review and the final design.
- (4) Update project schedules at 25%, 50% and 90%?

D. Task 4: Bidding Services

- (1) Prepare final plans and specifications ready for bidding. Plans and specifications are to be provided in both hard copy and standard electronic format compatible with Lexington-Fayette Urban County Government equipment. The most recent plans and specifications have been submitted in PDF format. software. A minimum of 7 copies will be required.
- (2) Coordinate and submit plans, specifications, and permit application to the Kentucky Division of Water for the purposes of receiving a construction permit.
- (3) Provide customary bidding services including preparation of advertisement, conducting pre-bid meeting, issuing required addenda, evaluating bids and providing a recommendation of award.

E. Task 5: Construction Administration Services

- (1) Track, review and approve all shop drawings.
- (2) Track change orders, review requests, recommendation comments, and prepare the paper work to be submitted to council.
- (3) Track and answer all Request for Information (RFIs)
- (4) Coordinate and lead monthly construction progress meetings.
- (5) Conduct construction inspections and submit weekly reports once construction begins. Please submit estimated hours per week, total hours included for inspections and the hourly rate with your detailed cost estimate
- (6) Take before and after photos of all stages of construction.
- (7) Review and approve contractor's monthly payment applications.

- (8) Attend and maintain test reports for all equipment start-up for the project.
- (9) Coordinate final inspection of completed work and prepare the final punch list.
- (10) Transfer field notes from the contractor's drawings and submit final as-built drawings to the owner.

NOTE: This outline is not intended to be all inclusive but is intended to be a guide for prospective firms as to the general expectations of the Owner. The Lexington-Fayette Urban County Government will not compensate firms for the cost of proposal preparation.

3. Detailed Cost Estimates

The CONSULTANT shall prepare a detailed cost estimate for this proposal based on the Tasks defined in this Request for Proposal. The estimate shall show a preliminary schedule estimating the time necessary to complete the Tasks outlined with a unit price associated. The intent of this proposal is to show the number of hours associated with a lump sum fee for the Thickening Process Evaluation and Equipment Upgrades. If your firm has additional Tasks that would be recommended show the new Tasks as separate line items with the scope well defined.

4. Proposal Content

The proposal will contain the following components.

- A. Cover Letter
- B. Scope/fee (Detailed Cost Estimate) – No more than 8 pages. ***The attached Fee Schedule completed with your estimated cost will be the last page in this section.***
- C. Estimated Schedule – No more than 4 pages.
- D. Project Team with One-Page Resumes (Do not submit resumes for individuals contributing less than 10% of total man hours allocated)
- E. A list of 5 similar projects with owner contact information. This section shall be no more than 5 pages total.

5. Schedule and Completion

The proposed timeline for completion of the Scope of Services outlined in the proposal is as follows:

Thickening Process Evaluation and Equipment Upgrades

Award Design Contract

November 2017

Meeting to Review Final Design – 90% Completion

March 2018

Bid Opening

April 2018

Award of GC Contract

June 2018

The CONSULTANT shall coordinate the exact time and location of all meetings with the Plant Engineer, Division of Water Quality.

NOTE: Schedule may be adjusted based on final negotiations. When submitting the schedule with your proposals please indicate if your firm could complete this project any sooner than the estimated time above.

6. Method of Invoice and Payment

The CONSULTANT shall submit monthly for basic services or work rendered, based upon the CONSULTANT'S estimate of the portion of the total services actually completed during the billing cycle. Each invoice shall be accompanied by a breakdown of hours attributed to each task for both the billing cycle and the cumulative project period. Also include the percent Disadvantaged Business Enterprise (DBE) cost with each monthly invoice.

The Director of Water Quality or his designee shall respond to the invoice within thirty days of receipt, either denying or approving payment. Specific project time sheets and other payroll information may be subject to reviews and audits by the Lexington-Fayette Urban County Government.

7. Miscellaneous

All plans, specifications and accompanying documents are subject to review by the Lexington-Fayette Urban County Government's Division of Water Quality, Division of Engineering, Division of Risk Management and Division of Building Inspection. The CONSULTANT shall be responsible for incorporating the comments and requirements of the divisions into all documents.

**Investigation/Design Services for Town Branch WWTP
Thickening Process Evaluation and Equipment Upgrades**

Fee Schedule

(For a description of task refer to Section 2 of the RFP)

Section 2

Scope of Work: Thickening Process Evaluation and Equipment Upgrades

- A. Task 1: Existing Process Performance Review
Cost Task 1: _____

- B. Task 2: Develop Equipment/Process Replacement Concepts
Cost Task 2: _____

- C. Task 3: Detailed Design
Cost Task 3: _____

- D. Task 4: Bidding Services
Cost Task 4: _____

- E. Task 5: Construction Administration Services
Cost Task 5: _____

Details for Task 5.5 - The total cost should be included in Cost Task 5. Please provide the following breakdown. Estimated Weekly Inspection Hrs/Estimated Total Inspection Hrs/Hourly Rate.

_____ / _____ / _____

Section 2 Total Cost:

MAYOR JIM GRAY



LEXINGTON

TODD SLATIN
DIRECTOR
CENTRAL PURCHASING

ADDENDUM #1

RFP Number: #26-2017

Date: August 17, 2017

Subject: Investigation/Design Services for Town Branch WWTP Thickening
Process Evaluation and Equipment Upgrade

Address inquiries to:
Brian Marcum
(859) 258-3320

TO ALL PROSPECTIVE SUBMITTERS:

Please be advised of the following clarifications to the above referenced RFP:

Pre-proposal sign in sheet is attached.

Question Deadline has been changed to August 22, 2017 at 5:00 PM.

The proposal opening deadline has been changed to August 31, 2017 at 2:00 PM EST.

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the RFP and specifications are unchanged. This letter should be signed, attached to and become a part of your submittal.

COMPANY NAME: _____

ADDRESS: _____

SIGNATURE OF BIDDER: _____



SIGN-IN SHEET

8/16/2017

Investigation / Design Services for Town Branch WWTP
 Thickening Process Evaluation and Equipment Upgrades
 8/16/2017 @ Town Branch
 10:00am - Noon

| <u>Name</u> | <u>Company</u> | <u>Phone #</u> | <u>E-Mail</u> |
|--------------------|----------------|----------------|-----------------------------|
| Tiffany Rank | LFUG-DWQ | 425-2406 | tiffanyr@lexingtonky.gov |
| Charlie Schneider | BCI | 268-1933 | cschneider@bciaep.com |
| Larry D. Rawliff | BCI | 268-1933 | lrawliff@bciaep.com |
| Joe Henry | GRW | 223-3999 | jhenry@grwinc.com |
| Bob Smallwood | GRW | 223-3999 | bsmallwood@grwinc.com |
| Jim Nagle | LFUG-DWA | 494-9549 | jnagle@LexingtonKy.Gov |
| Brad Pennington | LFUG | 425-2421 | bpennington@lexingtonky.gov |
| Sheela, Gregory P. | LFUG | | |
| Michael Davis | Strend | 225.8500 | mike.davis@strend.com |
| Rich Smith | HDR | 859.629.4844 | rich.smith@hdrinc.com |
| Herb Lemaster | T+ | 859-223-8000 | herb.lemaster@tdt.com |
| MARK STAGER | LFUG | 425-2413 | mstager@lexingtonky.gov |
| Brian Macrae | LFULL | 259-3320 | brimac@lexingtonky.gov |

MAYOR JIM GRAY



LEXINGTON

TODD SLATIN
DIRECTOR
CENTRAL PURCHASING

ADDENDUM #2

RFP Number: #26-2017

Date: August 24, 2017

Subject: Investigation/Design Services for Town Branch WWTP Thickening
Process Evaluation and Equipment Upgrade

Address inquiries to:
Brian Marcum
(859) 258-3320

TO ALL PROSPECTIVE SUBMITTERS:

Please be advised of the following clarifications to the above referenced RFP:

Attached is the Biosolids Flow Description and Flow Schematic along with requested drawings.

A handwritten signature in black ink that reads "Todd Slatin".

Todd Slatin, Director
Division of Central Purchasing

All other terms and conditions of the RFP and specifications are unchanged. This letter should be signed, attached to and become a part of your submittal.

COMPANY NAME: _____

ADDRESS: _____

SIGNATURE OF BIDDER: _____



Town Branch WWTP Biosolids Flow Description

Raw Influent flows to 12 Primaries clarifiers, 6 primary tank's on each bank.

There are 2 primary pump stations, each pump station has 6 pumps and a backup plunger pump. (Pumps normally run on a cycle 10 minutes on and 1 minute off, only 1 pump running at a time.) Primary sludge is pumped to distribution box at gravity thickeners.

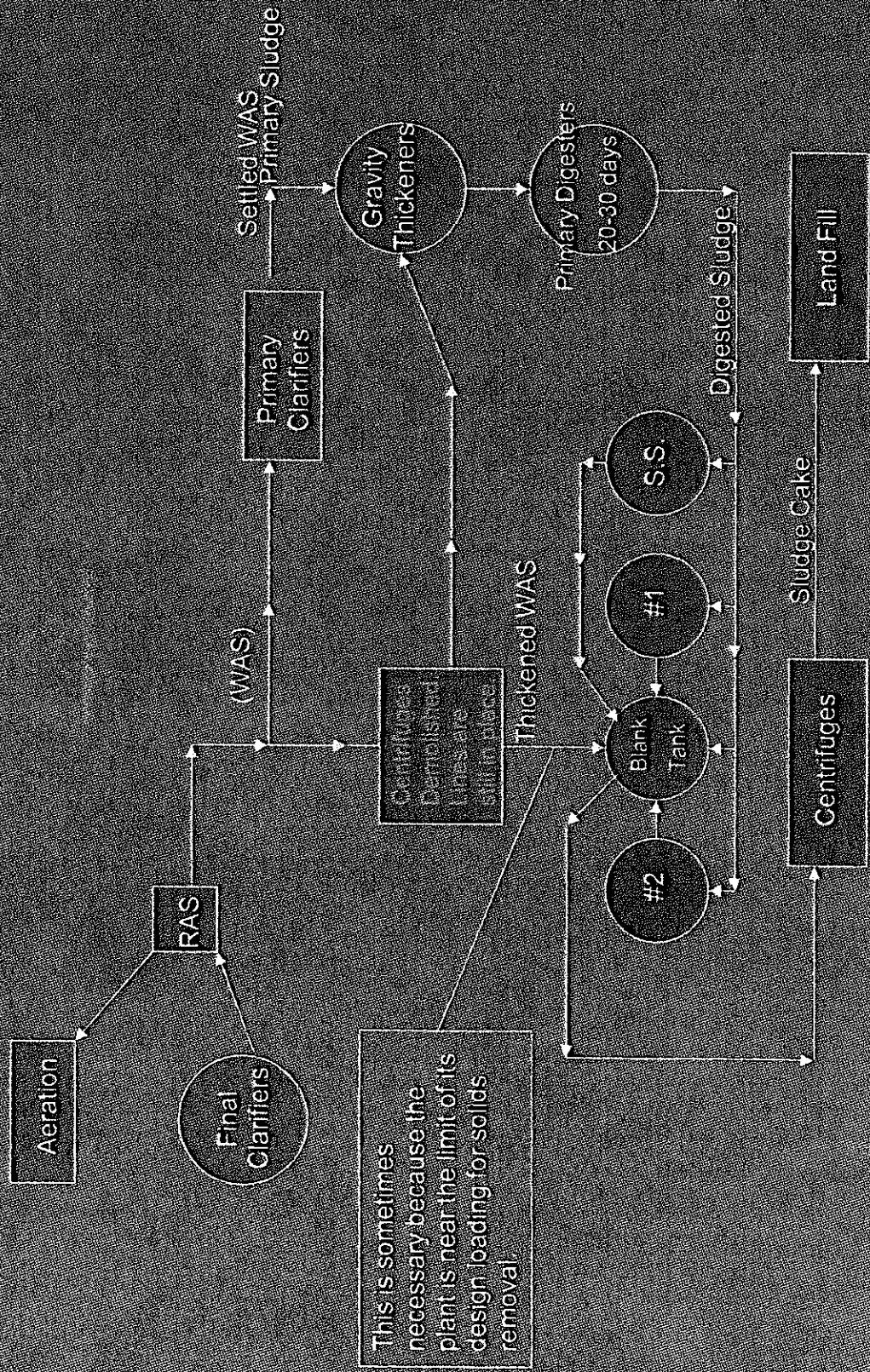
Waste sludge normally goes to head of plant and back to primary tanks no more than 150 to 160 gpm. (Wasting above 160 gpm overloads our thickeners and they start washing out.)

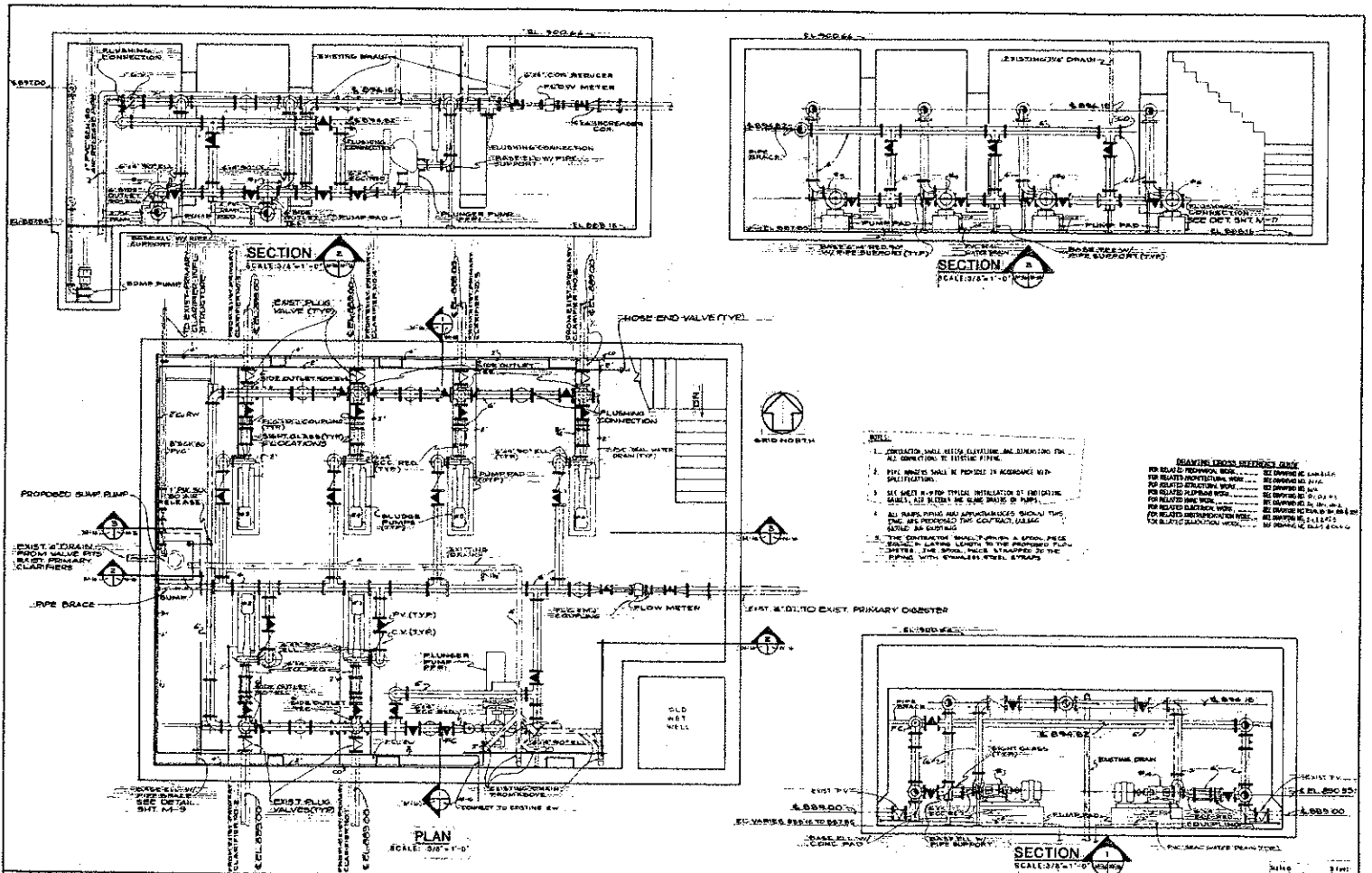
When we waste more than 160 gpm we split wasting to Primary clarifiers and Secondary Digester Holding tanks. There's a waste line that goes thru Solids Process building, where it can be diverted.

There are 2 Gravity Thickeners –each gravity thickener has a sludge pump and a scum pump. Sludge pumps run from SCADA system, normally run 20 minutes on and 20 minutes off. Pumps can run together or separate from each other. There are 2 Dilution water pumps that pump water from chlorine contact basin to thickener distribution box, only 1 pump runs at a time.

Old centrifuges locations at Solids Process Building; there's piping in place that can send waste to Thickeners or digester and Secondary digester tanks.

TB Biosolids Flow Schematic





- NOTES**
1. CONTRACTOR SHALL VERIFY EXISTING AND MARKING FOR ALL CONNECTIONS TO EXISTING PIPING.
 2. PIPE BRACKETS SHALL BE PROVIDED IN ACCORDANCE WITH SPECIFICATIONS.
 3. ALL SLEETS IN NEW TYPICAL INSTALLATION OF EXISTING SLEETS, THE SLEETS BE SAME GRADE AS PIPES.
 4. ALL PIPES, PIPING AND APPURTENANCES SHALL BE THE TYPE AND REQUIRED FOR CONTRACT, DESIGNATED AS SHOWN.
 5. THE CONTRACTOR SHALL VERIFY A SLOPE PIGE IS MAINTAINED IN ALL THE LENGTH OF THE PROPOSED PIPING SYSTEMS. THE SLOPE SHALL BE MAINTAINED TO THE PIPING WITH STAINLESS STEEL STRAPS.

LEAVING EXISTING MATERIAL ONLY

FOR RELATED PROVISIONS, SEE: ...
 FOR RELATED PROVISIONS, SEE: ...
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| <p>RECORD DRAWINGS</p> <p>THESE RECORD DRAWINGS PREPARED BY THE LEXINGTON TOWN BRANCH CONSTRUCTION OFFICE FROM INFORMATION FURNISHED BY THE CONTRACTOR.</p> | <p>PROJECT NO. 1000000000</p> <p>DATE: 10/15/2010</p> | <p>CDM</p> <p>CONSTRUCTION MANAGEMENT</p> | <p>LEXINGTON TOWN BRANCH</p> | <p>DATE: 10/15/2010</p> | <p>PHASE 2A</p> | <p>DATE: 10/15/2010</p> |
| | <p>PROJECT NO. 1000000000</p> <p>DATE: 10/15/2010</p> | <p>CDM</p> <p>CONSTRUCTION MANAGEMENT</p> | <p>LEXINGTON TOWN BRANCH</p> | <p>DATE: 10/15/2010</p> | <p>PHASE 2A</p> | <p>DATE: 10/15/2010</p> |

PHASE 2A

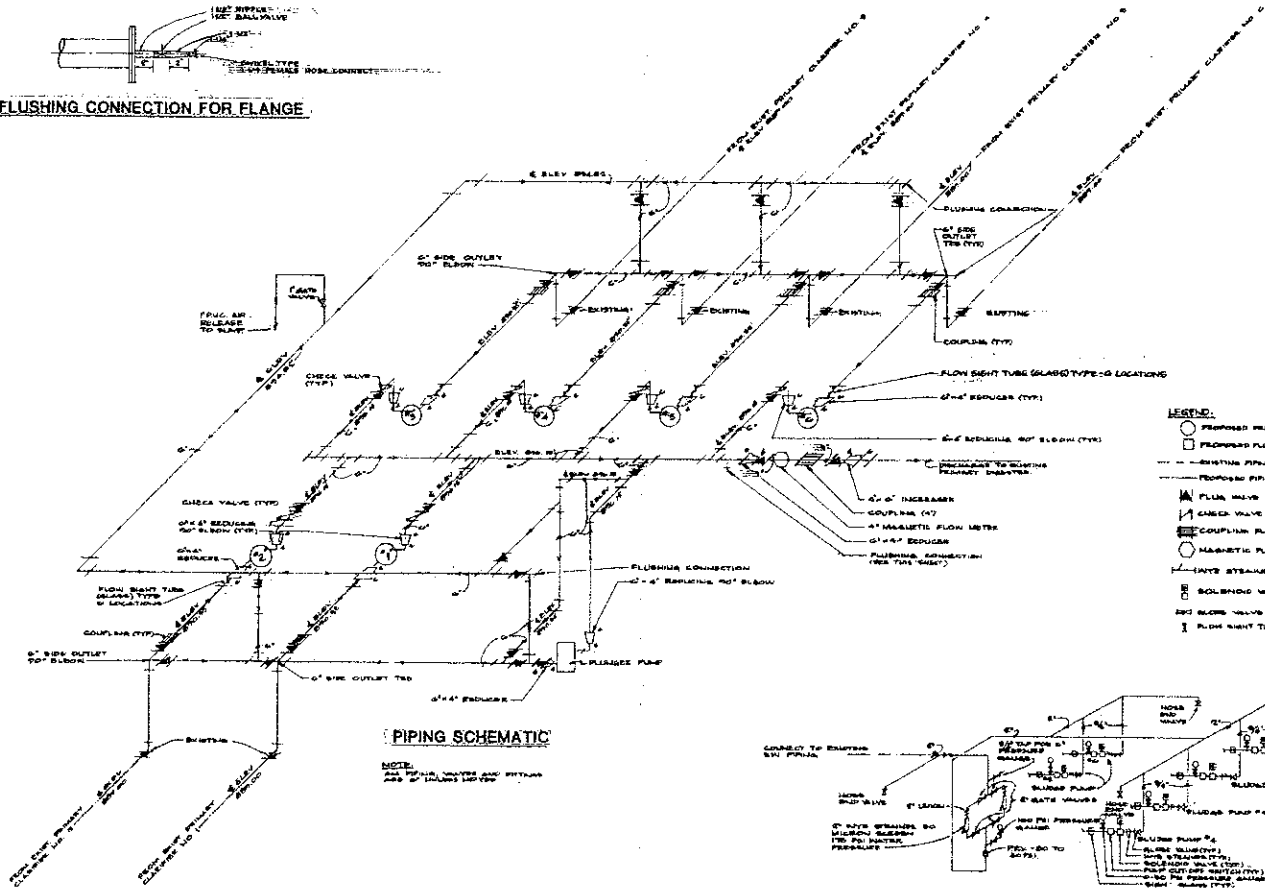
EXIST. PRIMARY SLUDGE PUMPING STATION LOWER PLAN AND SECTIONS RENOVATION

DATE: 10/15/2010

DATE: 10/15/2010



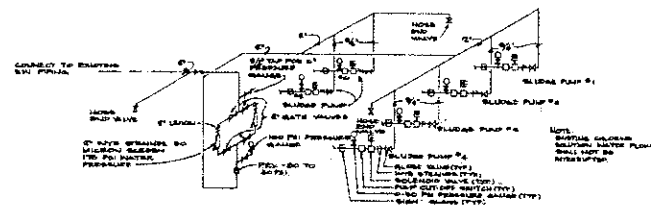
FLUSHING CONNECTION FOR FLANGE



PIPING SCHEMATIC

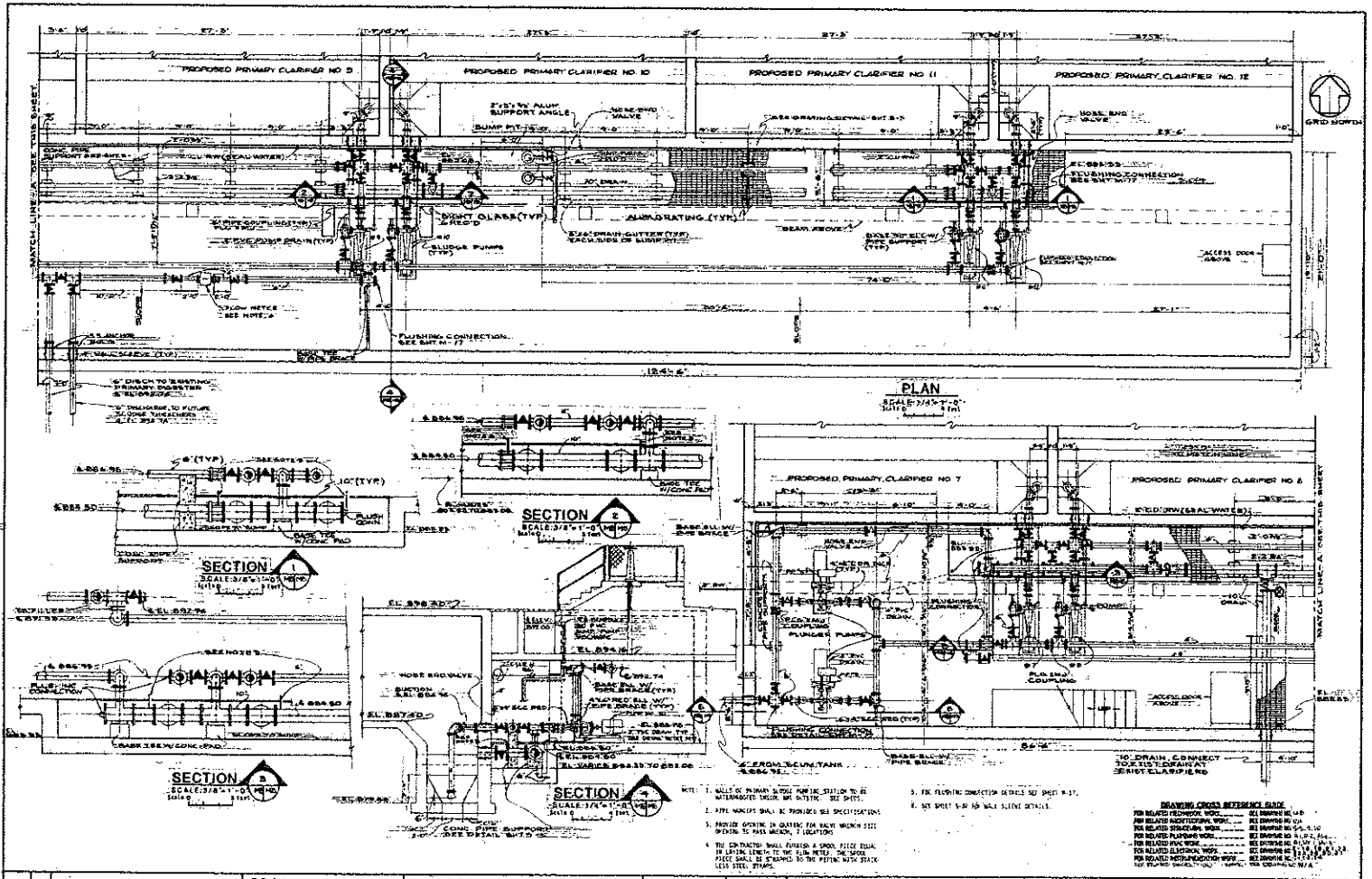
NOTE: SEE SPECIAL NOTES AND DETAILS FOR ALL VALVES AND FITTINGS.

- LEGEND:**
- PROPOSED PRIMARY SLUDGE PUMP (TYP)
 - PROPOSED PUMP (TYP)
 - EXISTING PIPING
 - - - PROPOSED PIPING
 - ⊞ FLUA VALVE
 - ⊞ GATE VALVE
 - ⊞ COUPLING (TYP)
 - ⊞ MAGNETIC FLOW METER
 - ⊞ FLUSHING CONNECTION (SEE THIS SHEET)
 - ⊞ SOLID HOSE VALVE
 - ⊞ SLUG VALVE
 - ⊞ FLOW METER



SEAL WATER SCHEMATIC

| | | | | | | | | | | | |
|------|----|-----------|--|---|--|---|--|--|-----------------|--|-----------------|
| DATE | BY | REVISIONS | RECORD DRAWINGS THESE RECORD DRAWINGS PREPARED BY THE LEXINGTON TOWN BRANCH CONSTRUCTION DIVISION INFORMATION FURNISHED BY THE CONTRACTOR. | H&B-PEH CONSULTING ENGINEERS 11100 W. 10TH AVENUE DENVER, CO 80202 | CDM CONSULTANTS AND DESIGNERS 11100 W. 10TH AVENUE DENVER, CO 80202 | STATE OF KENTUCKY DEPARTMENT OF REVENUE DIVISION OF WATER RESOURCES 200 N. 2ND STREET FRANKFORT, KY 40601 | LEXINGTON FAYETTE COUNTY GOVERNMENT | TOWN BRANCH WASTEWATER TREATMENT PLANT | PHASE 2A | SHEET NO. | DATE: JULY 1994 |
| | | | | | | | | | | EXIST. PRIMARY SLUDGE PUMPING STATION PROPOSED PIPING SCHEMATIC | M-17 |



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| DATE | BY | REVISION |
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RECORD DRAWINGS
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K&E-PEH

 Lexington, Kentucky

CDM

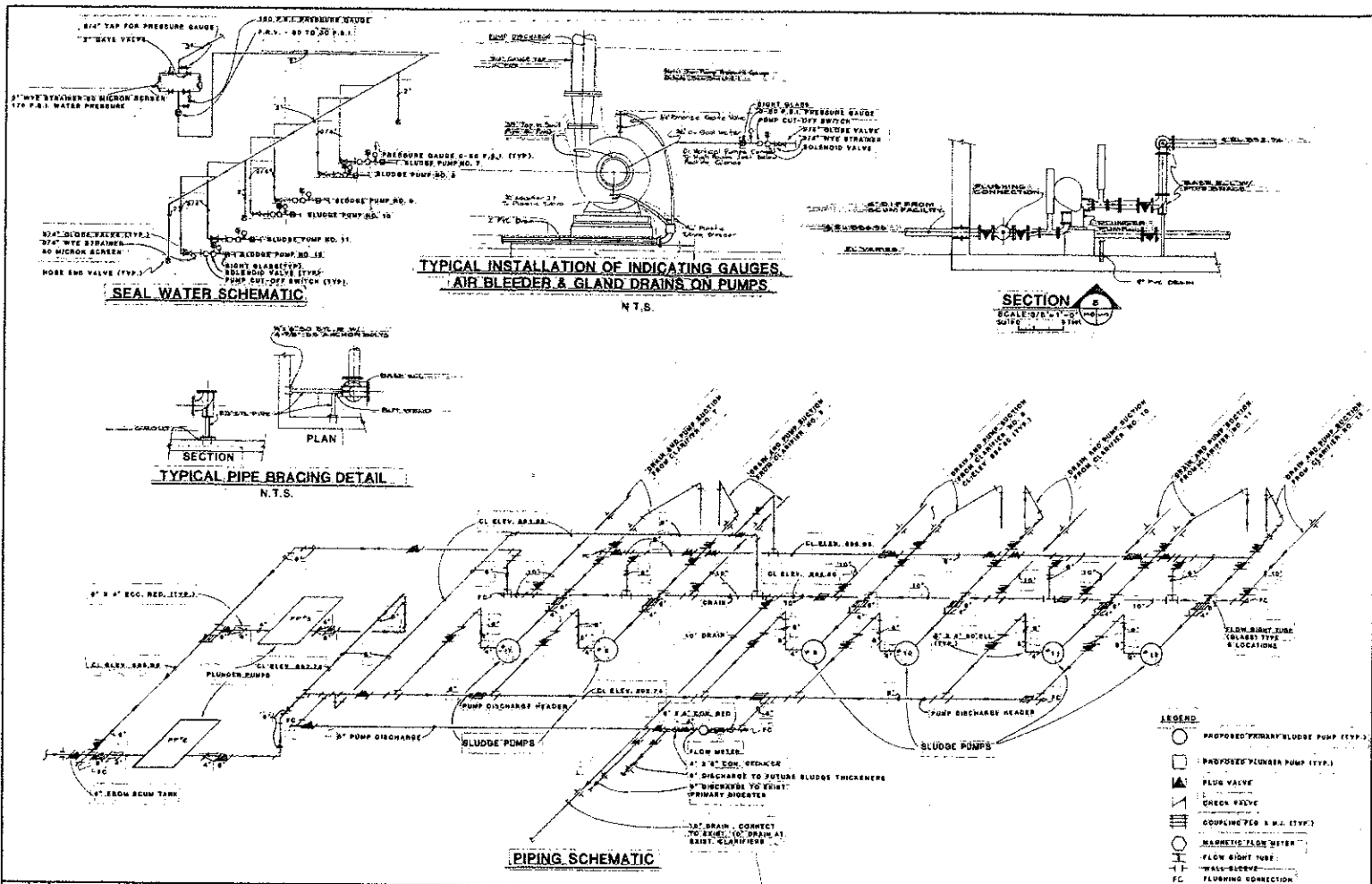
 CONSULTING ENGINEERS



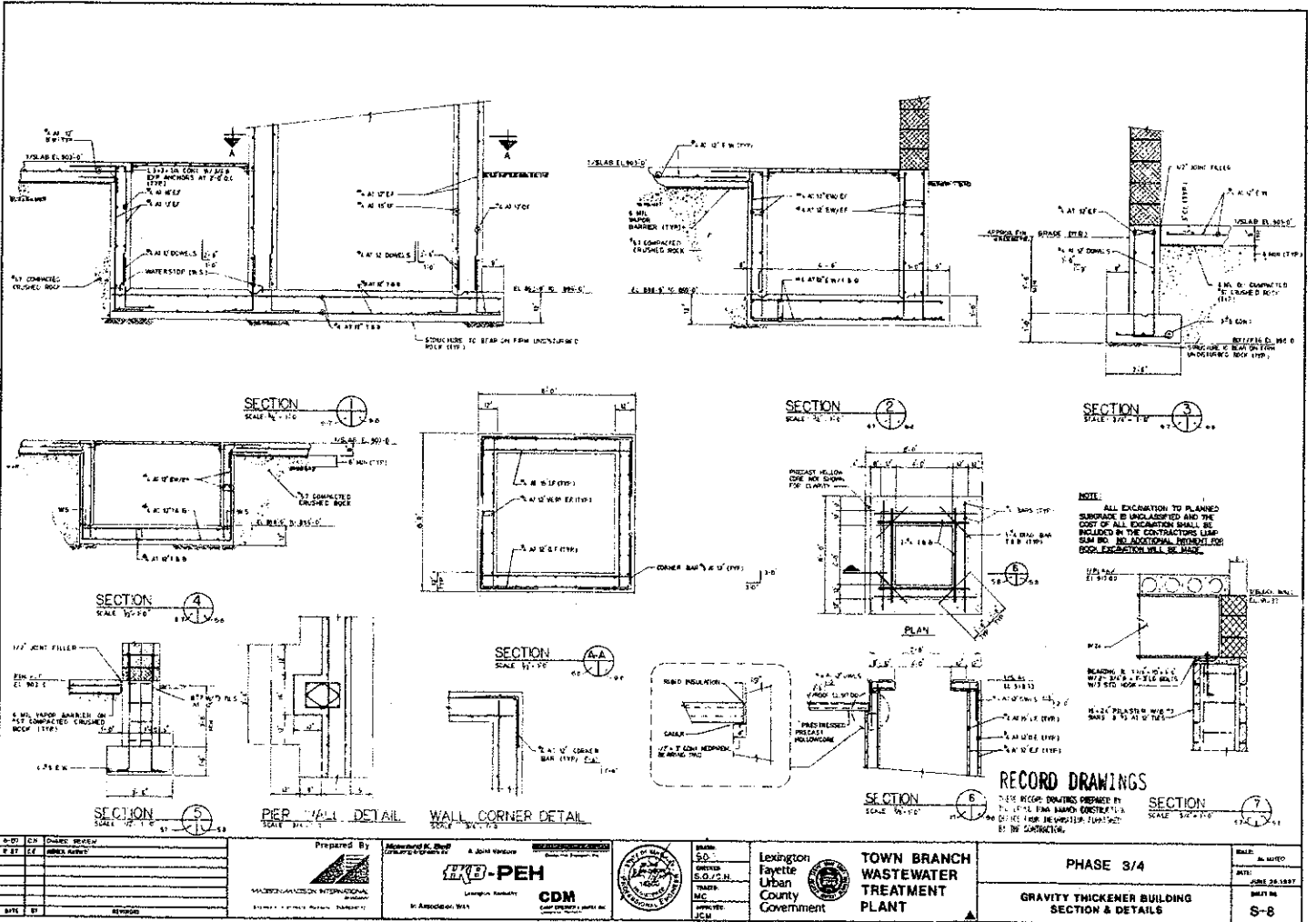
DRAWN: T.C.S.
 CHECKED: C.S.M.
 DATE: 7/1/68
 APPROVED: C.S.M.

Lexington Fayette Urban County Government
TOWN BRANCH WASTEWATER TREATMENT PLANT

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| PHASE 2A | |
| PROPOSED PRIMARY-SLUDGE PUMPING STATION | DATE AS NOTED DATE: JULY 1968 SHEET NO. M-8 |



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| RECORD DRAWINGS THESE RECORD DRAWINGS PREPARED BY THE LEXINGTON FAYETTE COUNTY GOVERNMENT OFFICE FROM INFORMATION PROVIDED BY THE CONTRACTOR. | | Lexington Fayette Urban County Government | TOWN BRANCH WASTEWATER TREATMENT PLANT | PHASE 2A | SCALE AS NOTED DATE: JAN. 1988 |
| | | | | PROPOSED PRIMARY SLUDGE PUMP STATION PIPING SCHEMATIC AND DETAILS | SHEET NO. M-8 |



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Prepared By
MACROPLANETION INTERNATIONAL
 CONSULTING ENGINEERS

Prepared By
HKS-PEH
 CONSULTING ENGINEERS

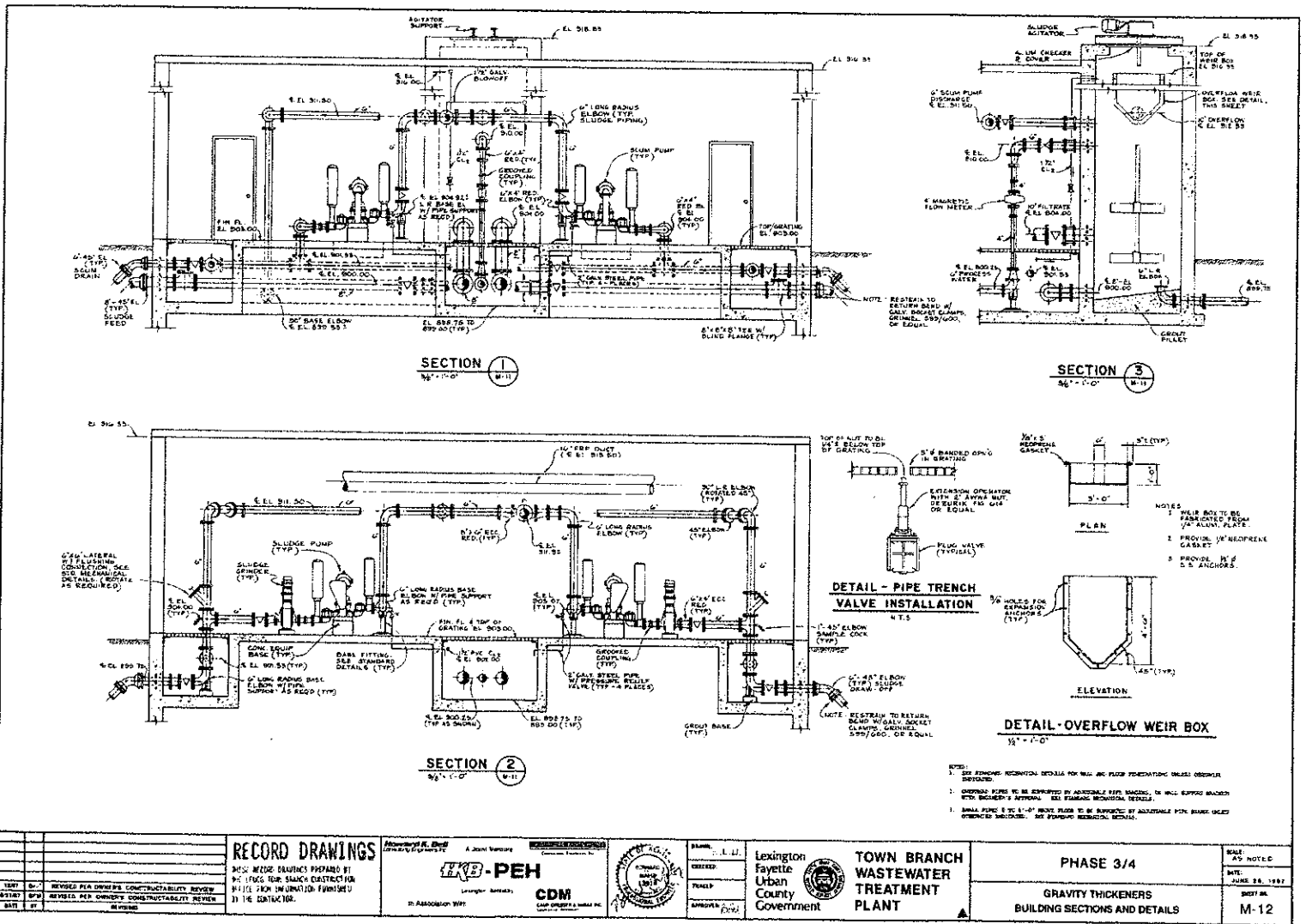
Prepared By
CDM
 CONSULTING ENGINEERS

Lexington
 Fayette
 Urban
 County
 Government

**TOWN BRANCH
 WASTEWATER
 TREATMENT
 PLANT**

PHASE 3/4
**GRAVITY THICKENER BUILDING
 SECTION & DETAILS**

DATE: JULY 24, 1987
 SHEET NO. S-8



RECORD DRAWINGS

DESIGN: THESE DRAWINGS PREPARED BY THE ENGINEER FOR THE ARCHITECT FOR THE CONTRACTOR.
 REVISIONS: REVISIONS FOR OWNER'S CONSTRUCTION REVIEW
 REVISIONS FOR OWNER'S CONSTRUCTION REVIEW
 REVISIONS FOR OWNER'S CONSTRUCTION REVIEW

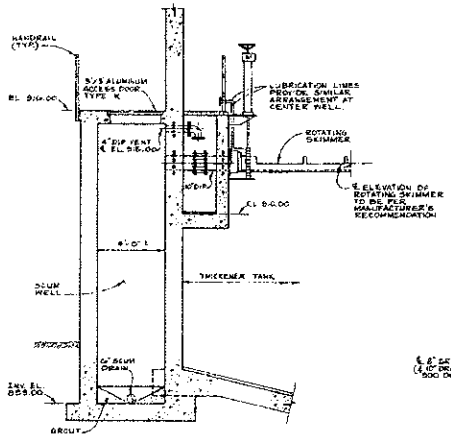
H&B-PEH
CDM

PROFESSIONAL ENGINEER
 STATE OF KENTUCKY
 No. 12345
 EXPIRES 12/31/2025

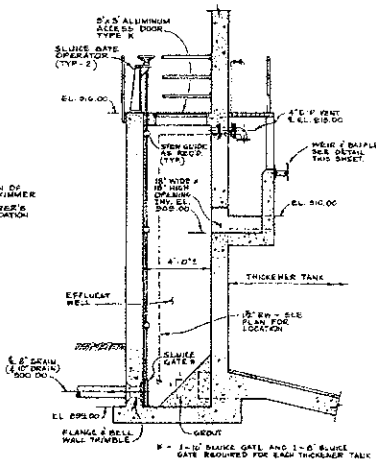
Lexington
 Fayette
 Urban
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**TOWN BRANCH
 WASTEWATER
 TREATMENT
 PLANT**

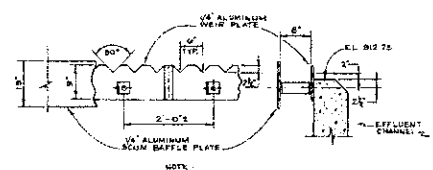
PHASE 3/4
 GRAVITY THICKENERS
 BUILDING SECTIONS AND DETAILS



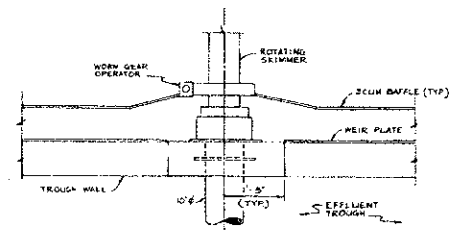
SECTION 2
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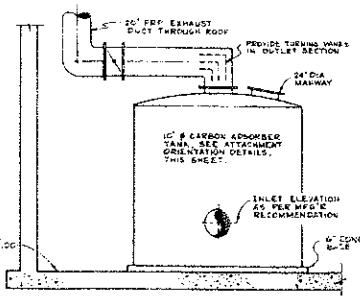
SECTION 3
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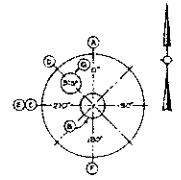
WEIR AND BAFFLE DETAIL
N.T.S.



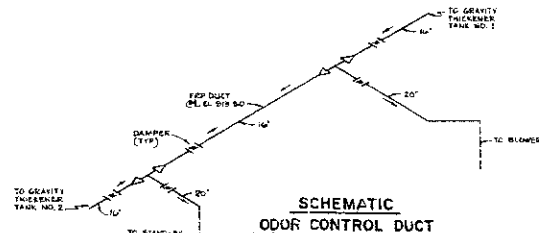
PLAN AT ROTATING SKIMMER
1'-11\"/>



SECTION 4
30'-11\"/>



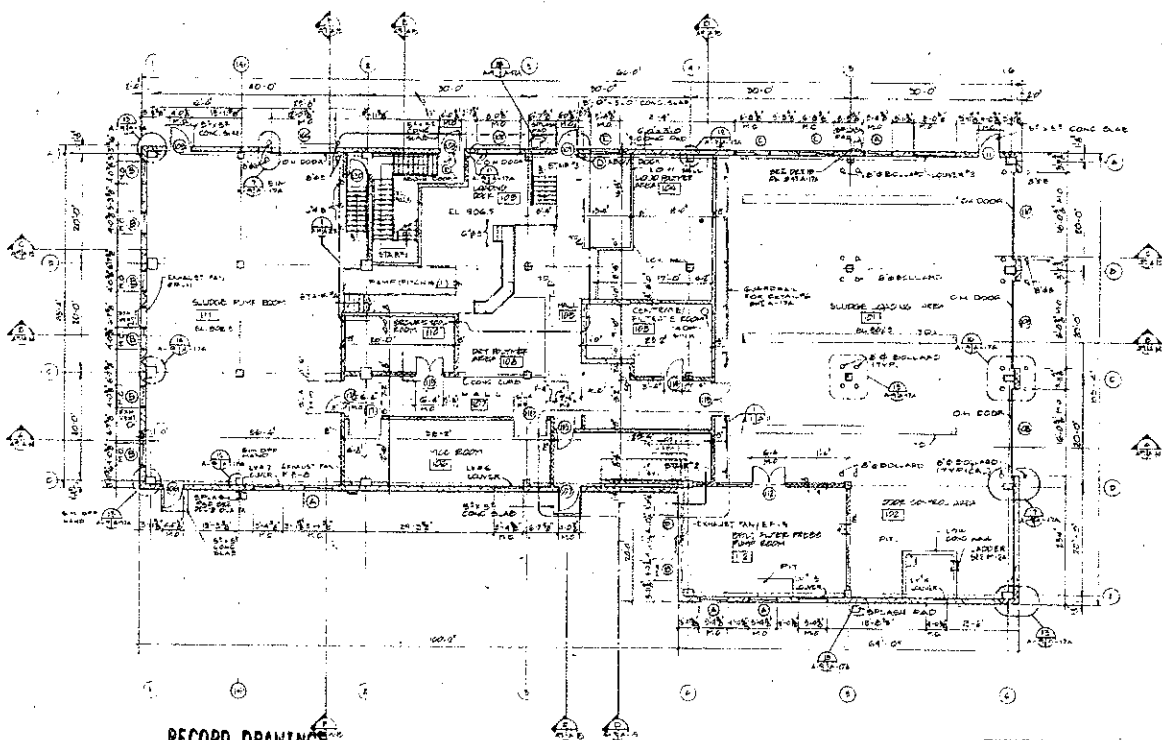
DETAIL - ATTACHMENTS ORIENTATION
N.T.S.



SCHEMATIC ODOUR CONTROL DUCT AT ELEV. 913.50
N.T.S.

NOTES:
1. SEE OTHER REVISIONS DETAILS FOR WALL AND FLOOR FINISHES UNLESS OTHERWISE NOTED.

| | | | | | |
|---|--|--|--|--|---|
| RECORD DRAWINGS THESE RECORD DRAWINGS WERE PREPARED BY THE CONSULTING ENGINEER FOR THE TOWN OF LEXINGTON, MISSISSIPPI, IN CONNECTION WITH THE CONSTRUCTION OF THE TOWN BRANCH WASTEWATER TREATMENT PLANT. | | Howard B. Shaw CONSULTING ENGINEER H&B-PEH Lexington, Mississippi IN ASSOCIATION WITH CDM CONSULTING ENGINEERS & ARCHITECTS, INC. MEMPHIS, TENNESSEE | Lexington Fayette County Government TOWN BRANCH WASTEWATER TREATMENT PLANT | PHASE 3/4 GRAVITY THICKENERS TANK SECTIONS AND DETAILS | DATE: AS NOTED DATE: JUNE 20, 1987 SHEET NO. M-14 |
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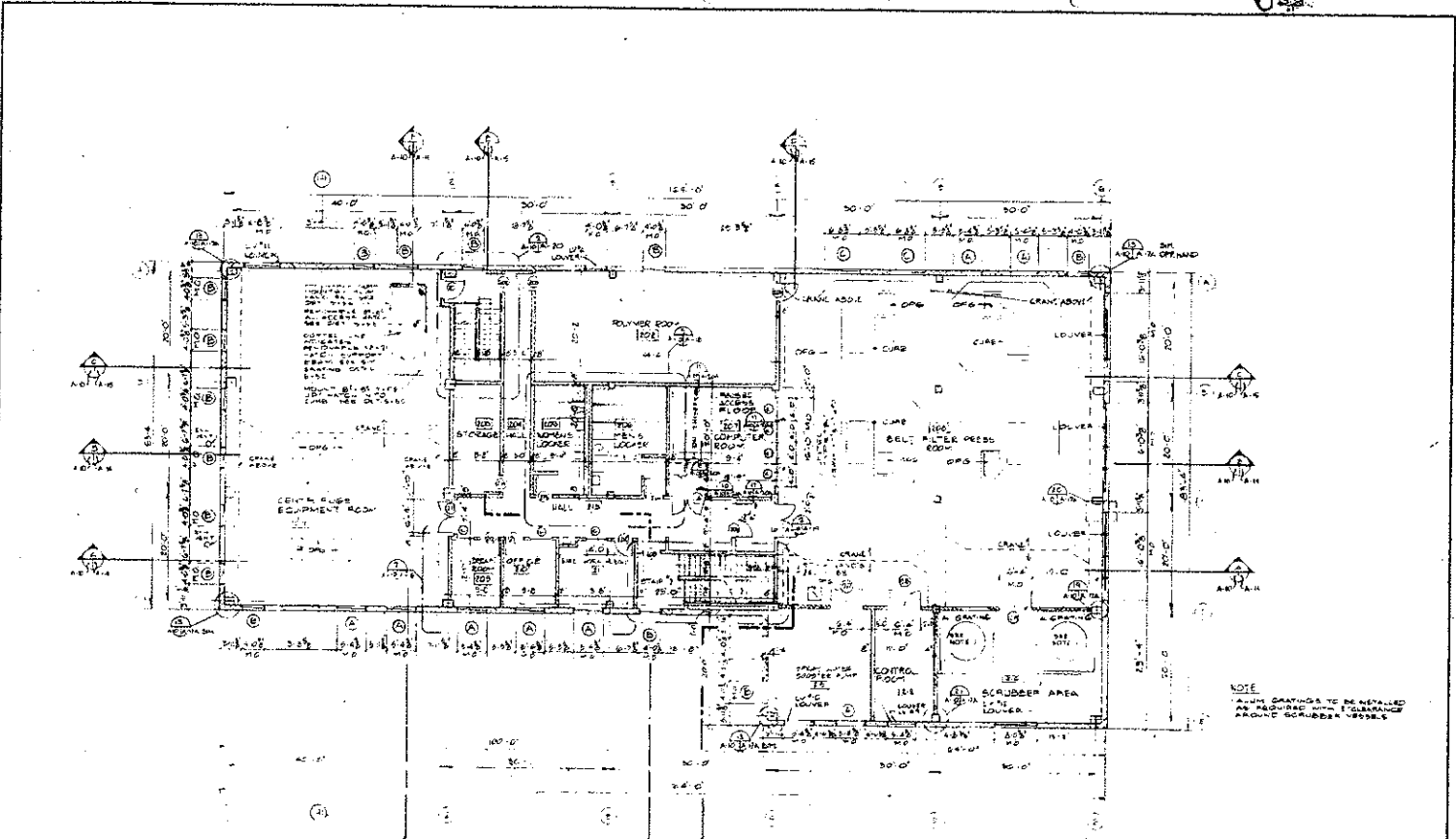
RECORD DRAWINGS
 ALL RECORD DRAWINGS PREPARED BY
 THE DESIGN TEAM FOR THE CONTRACTOR
 TO BE USED FOR CONSTRUCTION

FIRST FLOOR PLAN
 SCALE: 1/8" = 1'-0"

REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|---------------|----------|
| 1 | FOR REVISIONS | 11/15/07 |
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| 99 | FOR REVISIONS | 11/15/07 |
| 100 | FOR REVISIONS | 11/15/07 |

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| DESIGNER CHECKED TRACED APPROVED | | LEX-PEH ENGINEERS, ARCHITECTS & PLANNERS 1111 EAST 10TH AVENUE, SUITE 100 DENVER, CO 80202 | | CDM CONSULTANTS AND DESIGNERS 1111 EAST 10TH AVENUE, SUITE 100 DENVER, CO 80202 | | LEXINGTON FAYETTE COUNTY GOVERNMENT | TOWN BRANCH WASTEWATER TREATMENT PLANT | PHASE 7 SOLIDS PROCESSING BUILDING FIRST FLOOR PLAN | SHEET NO. 01-0 |
| | | | | | | | | | DATE: 11/15/07 |



RECORD DRAWINGS

THESE RECORD DRAWINGS PREPARED BY THE ENGINEER FOR BRANCH CONSTRUCTION OFFICE FROM INFORMATION FURNISHED BY THE CONTRACTOR.

SECOND FLOOR PLAN

SCALE: 1/4" = 1'-0"

REVISIONS

| | | |
|-----|-------------------------|----------|
| NO. | DESCRIPTION | DATE |
| 1 | FOR BRANCH CONSTRUCTION | 11-15-78 |
| 2 | FOR BRANCH CONSTRUCTION | 11-15-78 |
| 3 | FOR BRANCH CONSTRUCTION | 11-15-78 |
| 4 | FOR BRANCH CONSTRUCTION | 11-15-78 |
| 5 | FOR BRANCH CONSTRUCTION | 11-15-78 |
| 6 | FOR BRANCH CONSTRUCTION | 11-15-78 |
| 7 | FOR BRANCH CONSTRUCTION | 11-15-78 |
| 8 | FOR BRANCH CONSTRUCTION | 11-15-78 |
| 9 | FOR BRANCH CONSTRUCTION | 11-15-78 |
| 10 | FOR BRANCH CONSTRUCTION | 11-15-78 |

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|-----|------|----------|
| NO. | DATE | REVISION |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |

ATKINS ENGINEERING & ARCHITECTS, INC.
 1000 W. BROADWAY, SUITE 1000
 DALLAS, TEXAS 75201
 PHONE: 754-2200
 FAX: 754-2200

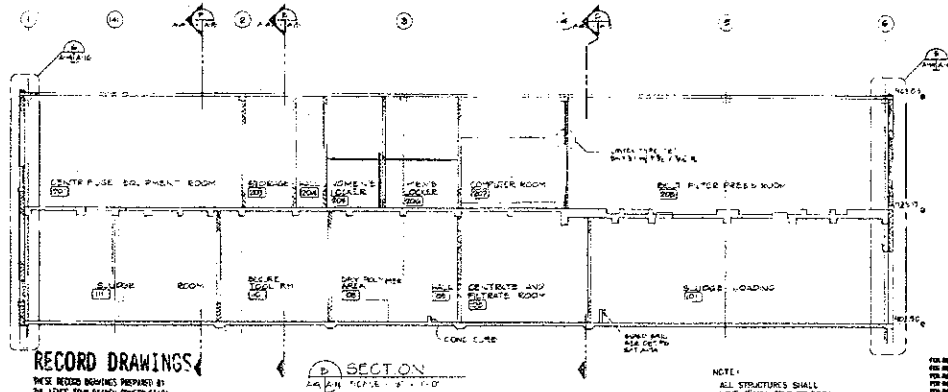
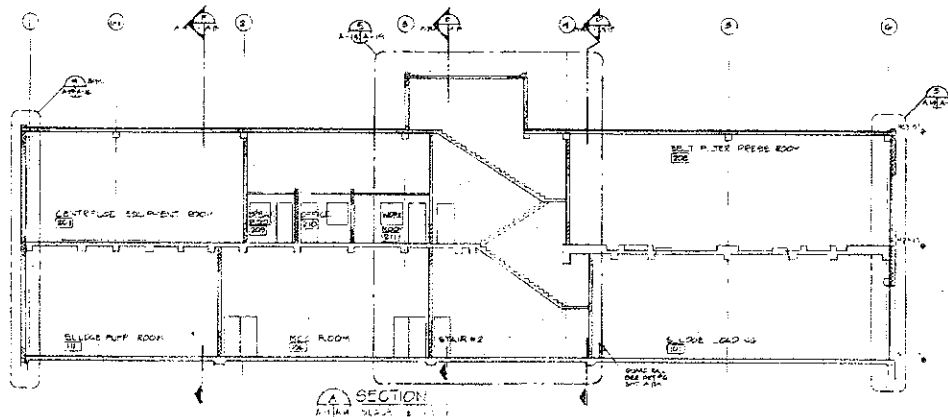
HOWARD A. BIRD
 ARCHITECT
 1100 N. GARDNER
 DALLAS, TEXAS 75201
 PHONE: 754-2200
 FAX: 754-2200

ATKINS ENGINEERING & ARCHITECTS, INC.
 1000 W. BROADWAY, SUITE 1000
 DALLAS, TEXAS 75201
 PHONE: 754-2200
 FAX: 754-2200

LEXINGTON FAYETTE
 URBAN COUNTY GOVERNMENT
 1000 W. BROADWAY, SUITE 1000
 DALLAS, TEXAS 75201
 PHONE: 754-2200
 FAX: 754-2200

TOWN BRANCH WASTEWATER TREATMENT PLANT

PHASIS
 SOLIDS PROCESSING BUILDING
 SECOND FLOOR PLAN
 SCALE: 1/4" = 1'-0"
 DATE: 11-15-78
 SHEET NO. **A-10**



RECORD DRAWINGS
 THESE RECORD DRAWINGS PREPARED BY THE ARCHITECT SHALL BE CONSTRUCTION BY THE CONTRACTOR.

NOTE:
 ALL STRUCTURES SHALL HAVE 6" MIN. CRACKER ROOF JOINTS UNLESS INDICATED OTHERWISE NOTED.

DRAWING REVISIONS

| NO. | DESCRIPTION | DATE |
|-----|-----------------------------|----------|
| 1 | FOR RELATED DRAWING NO. 101 | 10/15/87 |
| 2 | FOR RELATED DRAWING NO. 102 | 10/15/87 |
| 3 | FOR RELATED DRAWING NO. 103 | 10/15/87 |
| 4 | FOR RELATED DRAWING NO. 104 | 10/15/87 |
| 5 | FOR RELATED DRAWING NO. 105 | 10/15/87 |
| 6 | FOR RELATED DRAWING NO. 106 | 10/15/87 |
| 7 | FOR RELATED DRAWING NO. 107 | 10/15/87 |
| 8 | FOR RELATED DRAWING NO. 108 | 10/15/87 |
| 9 | FOR RELATED DRAWING NO. 109 | 10/15/87 |
| 10 | FOR RELATED DRAWING NO. 110 | 10/15/87 |

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|-------------|----------|
| DESIGNED BY | ENGINEER |
| CHECKED BY | |
| DATE | |

NATHAN ROBINSON & ASSOCIATES, INC.
 ARCHITECTS
 1000 W. MAIN ST., SUITE 100
 LEXINGTON, KY 40502

H.B. PEH
 ARCHITECTS
 1000 W. MAIN ST., SUITE 100
 LEXINGTON, KY 40502

CDM
 CONSULTANTS AND DESIGNERS
 1000 W. MAIN ST., SUITE 100
 LEXINGTON, KY 40502

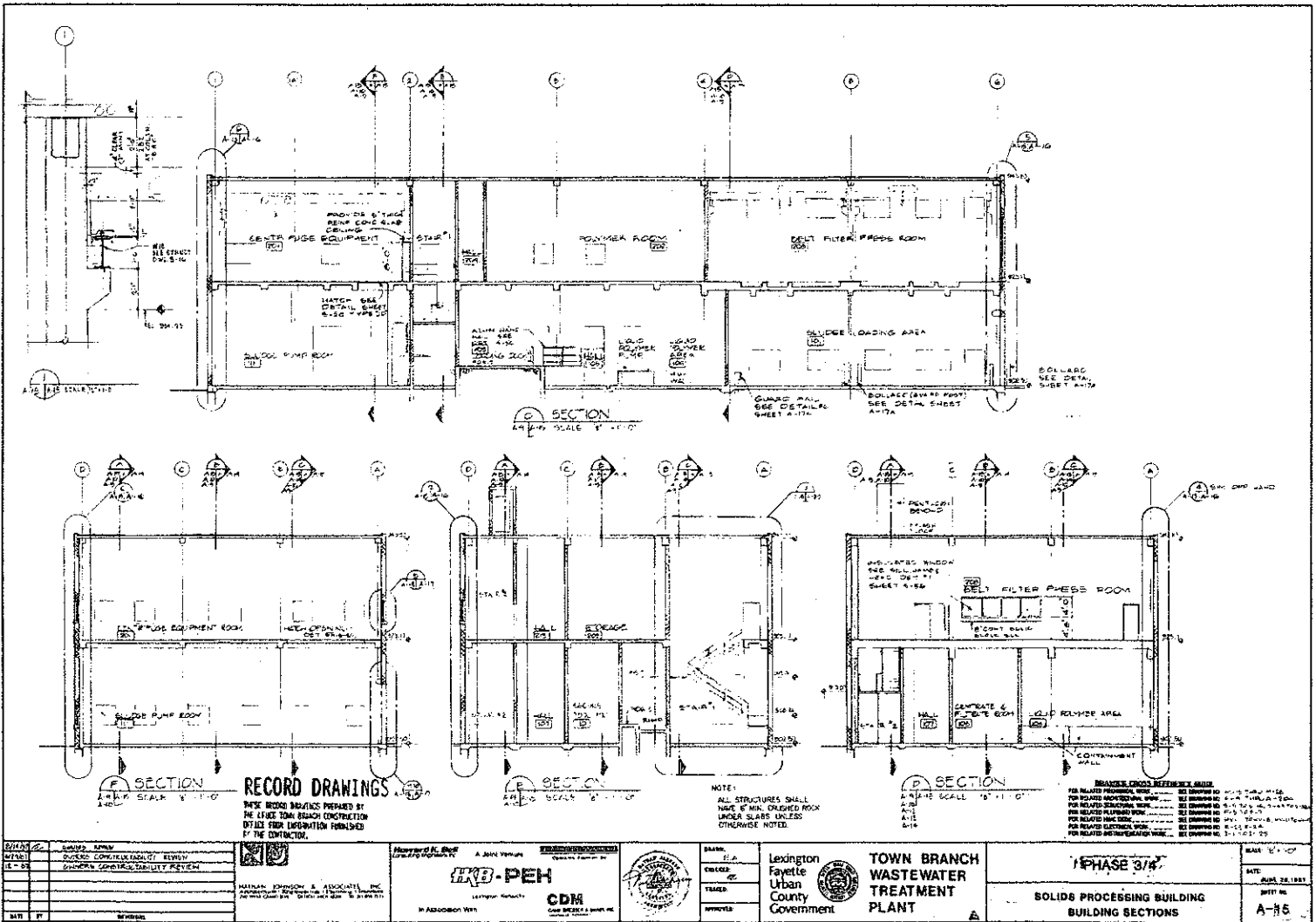
SCALE: 1/4" = 1'-0"

Lexington
 Fayette
 Urban
 County
 Government

**TOWN BRANCH
 WASTEWATER
 TREATMENT
 PLANT**

PHASE 3/4
SOLIDS PROCESSING BUILDING
BUILDING SECTIONS

DATE: 10/15/87
 SHEET NO: A-14

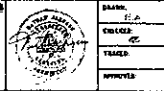


| | |
|-------------|-------------|
| DESIGNED BY | ARCHITECT |
| CHECKED BY | ENGINEER |
| DATE | NOV 28 1981 |

LEXINGTON BRANCH CONSTRUCTION OFFICE
 1000 EAST MAIN STREET
 LEXINGTON, KY 40502

LEO-PEH
 ARCHITECTS

CDM
 CONSULTANTS AND DESIGNERS



Lexington
 Fayette
 Urban
 County
 Government

| | |
|---|-------------|
| TOWN BRANCH WASTEWATER TREATMENT PLANT | |
| PHASE 3/4 | |
| SOLIDS PROCESSING BUILDING BUILDING SECTIONS | |
| DATE | NOV 28 1981 |
| DRAWING NO. | A-15 |