

FL 98072610

8-31-96

9-5-96

Permit Application

CONSTRUCTION PERMIT RENEWAL

FOR

HC53-170970

Renewal
6/27/96

LAIDLAW ENVIRONMENTAL SERVICES OF BARTOW, INC.

EPA I.D. NUMBER - FLD 980 729 610

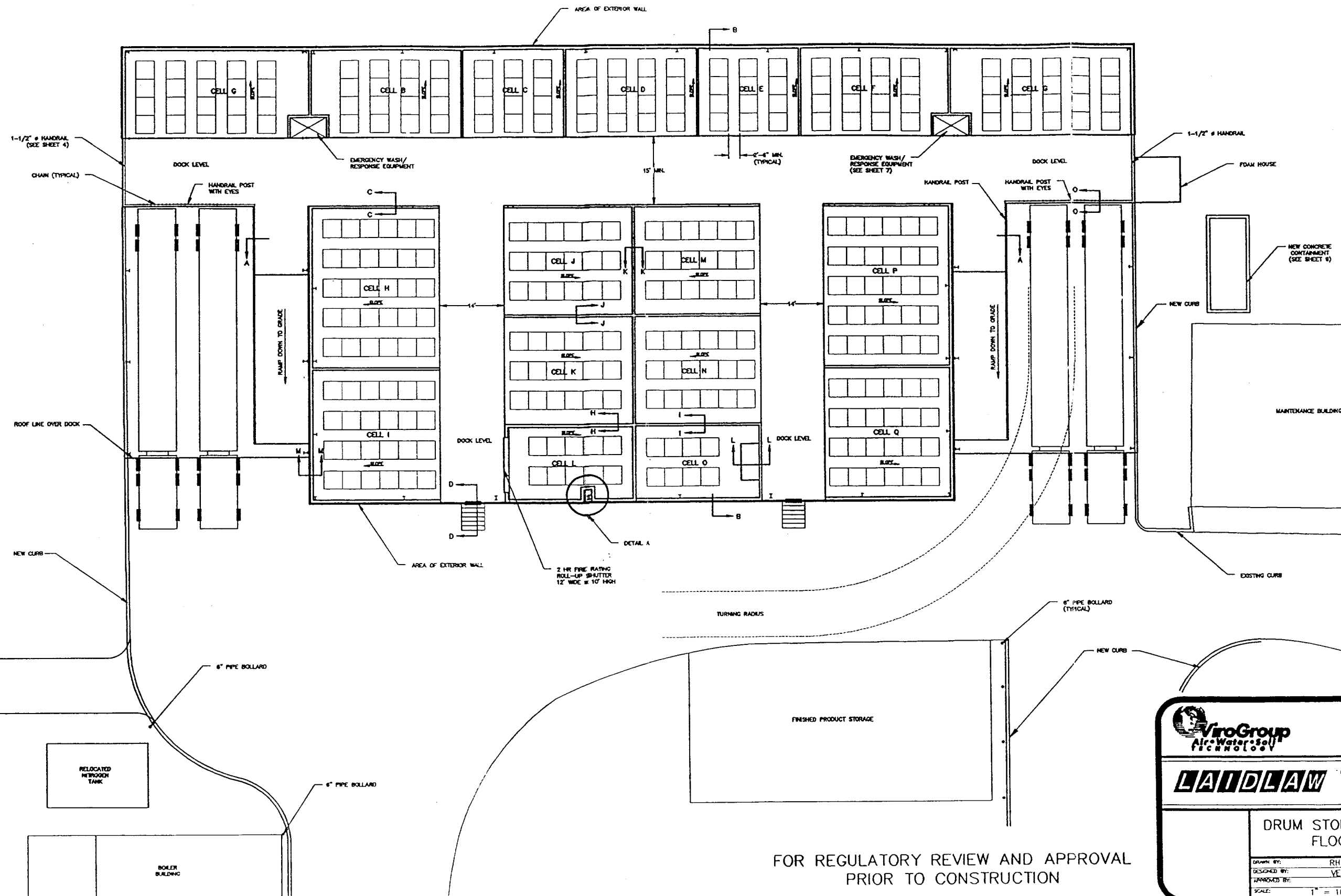
Existing Hazardous Waste Permit # HC53-170970

RECEIVED
AUG 28 1996
Department of Environmental Protection
BY SOUTHWEST DISTRICT

Date: August 26, 1996

Figure 7.2

NO.	REVISION	DATE	BY



FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION

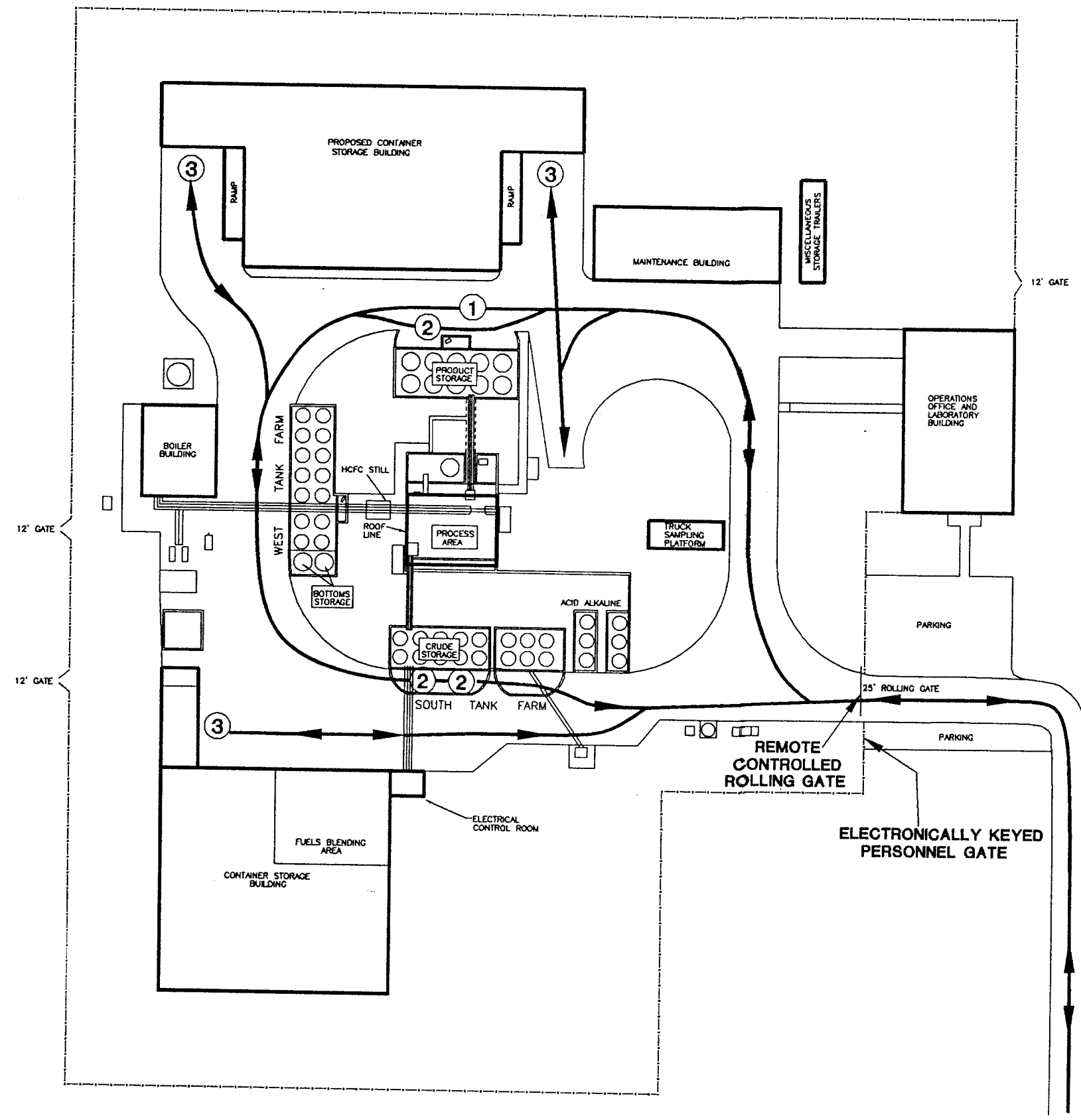
ETE Division
ViroGroup, Inc.
1445 Peach Church Road
Lexington, SC 29072
Phone 803-957-4270
Fax 803-957-3445
Mobile 1-800-786-0854

LAWDLAW ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA

DRUM STORAGE BUILDING
FLOOR PLAN

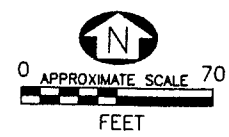
DRAWN BY: RHA	DATE: 8/22/96
DESIGNED BY: VEA	CADD NO: 32803A03
APPROVED BY:	PROJECT NO: 12-32803.d1
SCALE: 1" = 10'	SHEET NO: 3 OF 3

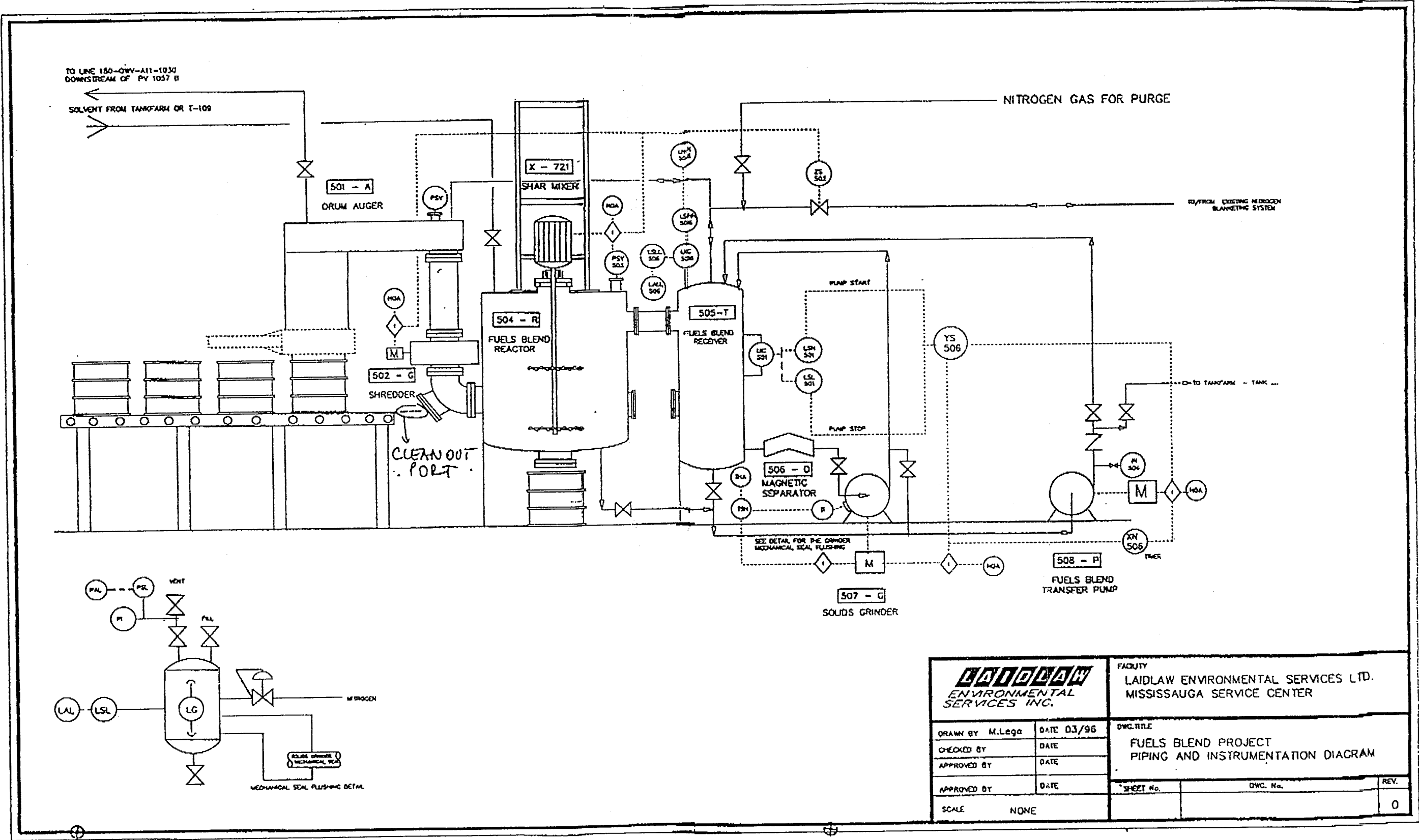
Figure 7.3
Traffic Patterns
Laidlaw Environmental Services of Bartow, Inc.
Bartow, Florida



LEGEND

- ① TANKER SAMPLING STATION
- ② TANKER LOADING/UNLOADING STATION
- ③ CONTAINER RECEIVING/LOADING STATION





Laidlaw
ENVIRONMENTAL
SERVICES INC.

FACILITY
LAIDLAW ENVIRONMENTAL SERVICES LTD.
MISSISSAUGA SERVICE CENTER

DRAWN BY M.Lega

DATE 03/96

CHECKED BY

DATE

APPROVED BY

DATE

APPROVED BY

DATE

SCALE NONE

DWG. TITLE

FUELS BLEND PROJECT
PIPING AND INSTRUMENTATION DIAGRAM

SHEET No.

DWG. No.

REV.

0

DRUM STORAGE BUILDING

FOR REGULATORY REVIEW AND APPROVAL PRIOR TO CONSTRUCTION

PREPARED FOR

L A I D L A W

ENVIRONMENTAL SERVICES OF BARTOW, INC.

BARTOW, FLORIDA

AUGUST, 1996



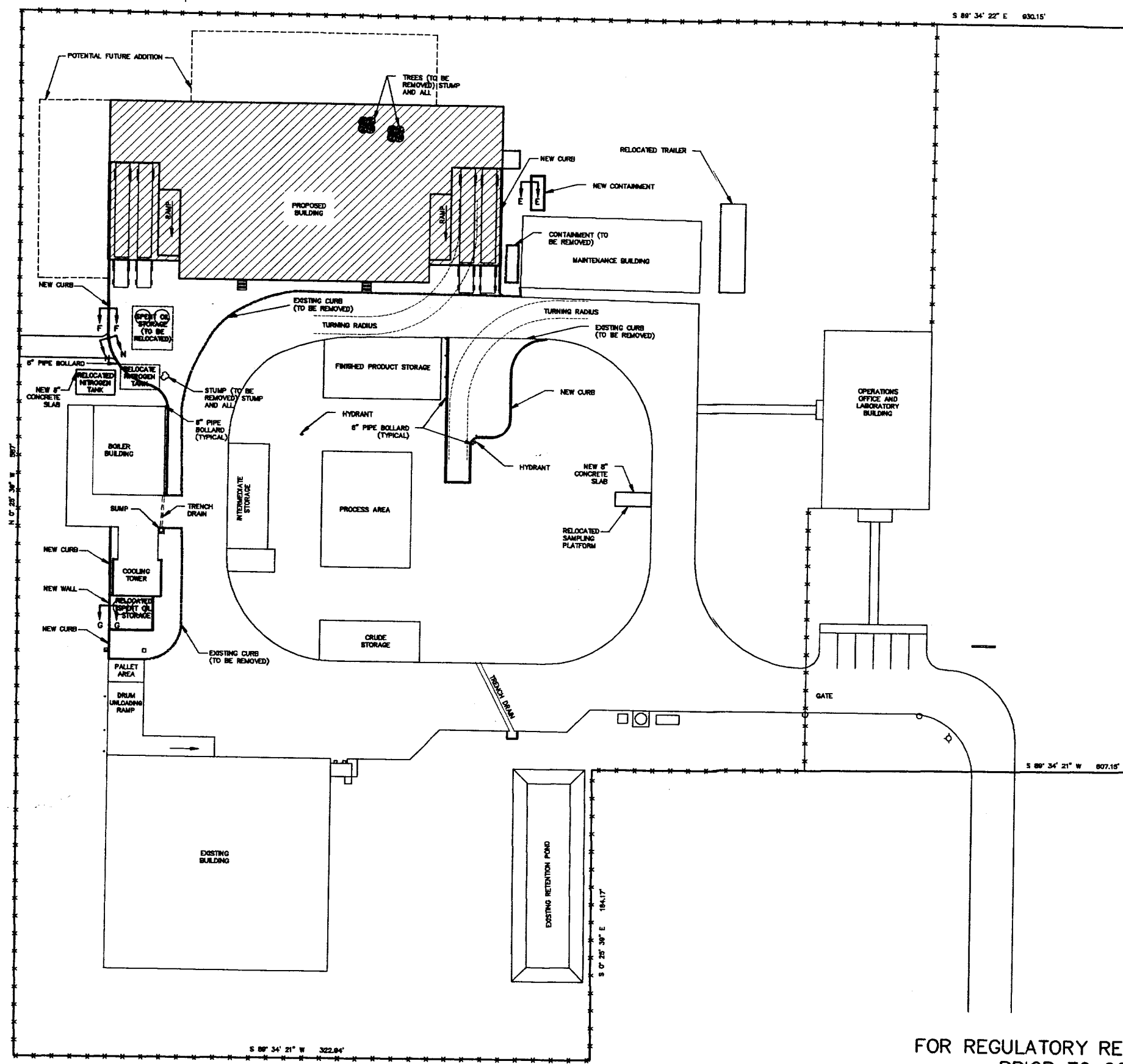
prepared by

ETE Division

LIST OF DRAWINGS

<u>SHEET NO.</u>	<u>TITLE</u>
1	COVER SHEET
2	SITE MAP
3	FLOOR PLAN
4	SECTIONS AND DETAILS
5	WASTE FLOW PLAN
6	SPRINKLER SYSTEM PLAN
7	PIPING SCHEMATIC
8	ROOF PLAN
9	DEMOLITION & RELOCATION PLAN
10	GRADING PLAN
11	ELEVATION VIEWS
S1	STRUCTURAL LAYOUT
S2	STRUCTURAL LAYOUT
E1	ELECTRICAL SYSTEM PLAN
E2	ELECTRICAL SYSTEM PLAN

NO.	REVISION	DATE	BY



SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO CONSTRUCT THE NEW BUILDING IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL PERFORM ALL CONSTRUCTION IN ACCORDANCE WITH THE STANDARD BUILDING CODE 1991 EDITION.
- CONTRACTOR SHALL PERFORM ALL CONSTRUCTION IN ACCORDANCE WITH THE STATE OF FLORIDA AND POLK COUNTY BUILDING CODES. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS.
- THE CONTRACTOR SHALL ACCOMPLISH ALL DEMOLITION AND DISPOSAL IN ACCORDANCE WITH THE STATE OF FLORIDA AND POLK COUNTY REGULATIONS. THIS SHALL BE DONE WITHOUT DISRUPTING THE OWNERS OPERATION IN THE SURROUNDING BUILDINGS. SHOULD THERE BE A REQUIREMENT TO INTERRUPT SERVICES TO THE OTHER FACILITIES THE OUTAGE SHALL BE SCHEDULED WITH THE OWNER 48 HRS IN ADVANCE.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO DEMOLISH AND DISPOSE OF REQUIRED CONCRETE AND ASPHALT. ALL DEBRIS SHALL BELONG TO THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH STATE AND COUNTY REGULATIONS.
- THE CONTRACTOR SHALL SCHEDULE AND CONDUCT THE WORK SO AS TO MINIMIZE DOWN TIME FOR THE OWNER. ALL WORK SHALL BE SCHEDULED WITH THE OWNER 2 WEEKS PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL SUBMIT TO THE OWNER A DETAILED WORK PLAN SHOWING TASK SCHEDULING AND TIME FRAME FOR ALL TASKS. THIS PLAN SHALL BE APPROVED BY THE OWNER BEFORE STARTING WORK. THIS PLAN SHALL BE DEVELOPED BASED ON MINIMUM DOWN TIME FOR THE OWNER. THE PLAN SHALL BE UPDATED WEEKLY DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING ALL ELECTRICAL, WATER, AND COMPRESSED AIR LINES SO AS TO PROVIDE SERVICES AS INDICATED ON DRAWINGS AND INCLUDED IN SPECIFICATIONS.
- THE PRE-ENGINEER BUILDINGS SHALL BE CONSTRUCTED TO PROVIDE FOR 12 #/SF SNOW LOAD, 110 MPH WIND LOAD, AND A LIVE LOAD OF 20 #/SF. THE SEISMIC LOADING SHALL BE DESIGNED FOR AA OF .05% AND AV OF .05%. DRAWINGS, SPECIFICATIONS, AND CALCULATIONS SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL. ALL DRAWINGS, SPECIFICATIONS, AND CALCULATIONS SHALL BE SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA.
- BUILDING SHALL BE BUTLER WIDESPAN OR APPROVED EQUAL. FRAME SHALL BE LRF TYPE #1 FOR MAIN BUILDING & LRSX TYPE #1 FOR WINGS. ROOF SHALL BE MR-24 24 GA. WALLS SHALL BE BUTLERB II 26 GA. ALL FINISH SHALL BE EQUAL TO THOSE AS SPECIFIED BY BUTLER. COLORS WILL BE SELECTED BY THE OWNER.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL THE POTABLE WATER SYSTEM TO INCLUDE, SAFETY SHOWERS, EYE WASHER.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL THE POWER DISTRIBUTION SYSTEM AND LIGHTING SYSTEM.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL THE COMPRESSED AIR SYSTEM. TAP EXISTING LINE ALONG CURB IN FRONT OF NEW BUILDING.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL FIRE SUPPRESSION SYSTEM IN ACCORDANCE WITH NFPA REQUIREMENTS AND UL APPROVAL.

FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION

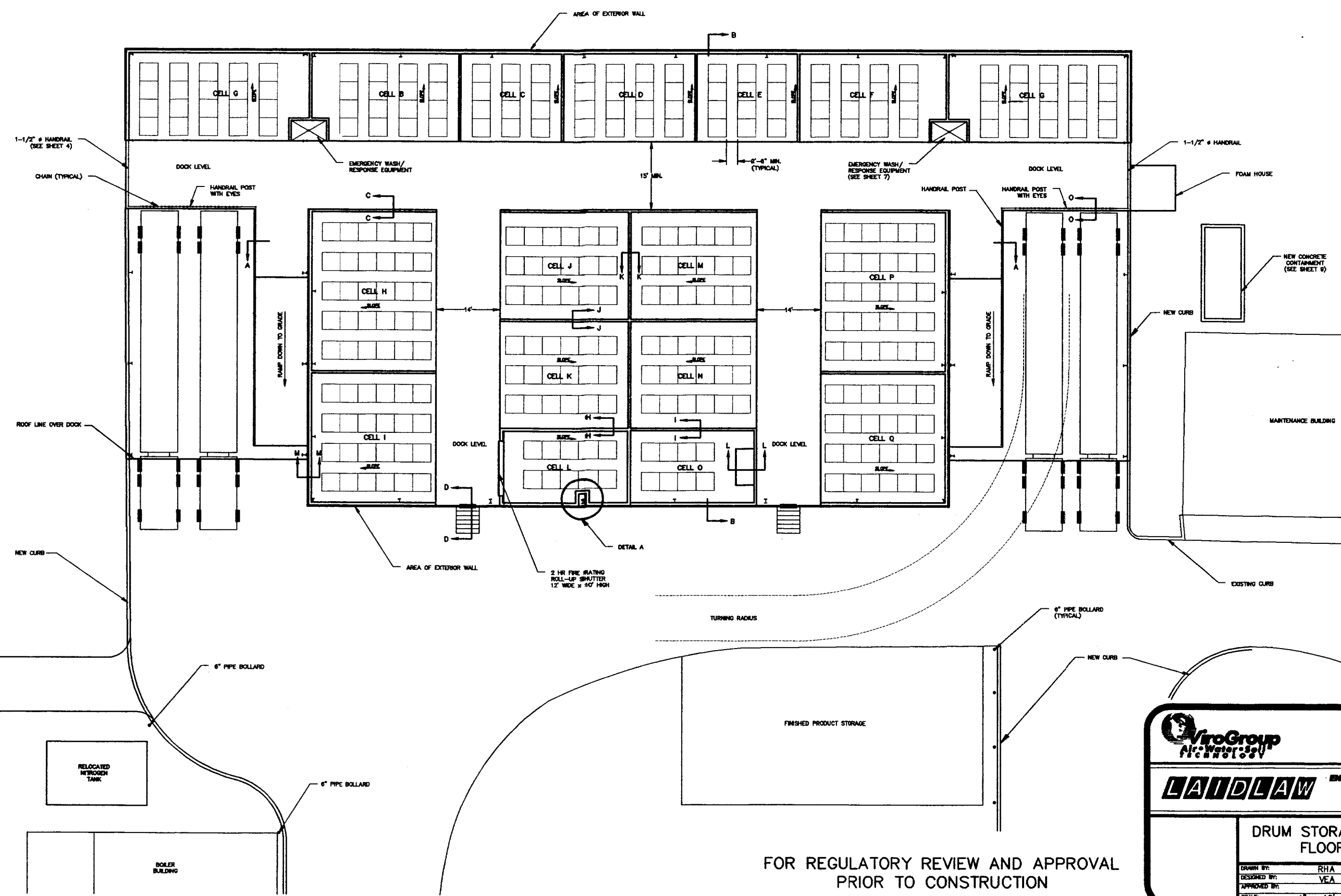
ViroGroup
Environmental Services
1445 Pledge Church Road
Lexington, SC 29072
Phone 803-657-6270
FAX 803-657-3545
Watts 1-800-786-0864

LAIDLAW ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA

**DRUM STORAGE BUILDING
SITE PLAN**

DRAWN BY:	RHA	DATE:	8/22/96
DESIGNED BY:	VEA	CADD NO.:	32803A02
APPROVED BY:		PROJECT NO.:	12-32803.d1
SCALE:	1"=30'	SHEET NO.:	2 OF

NO.	REVISION	DATE	BY



FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION

LAIDLAW

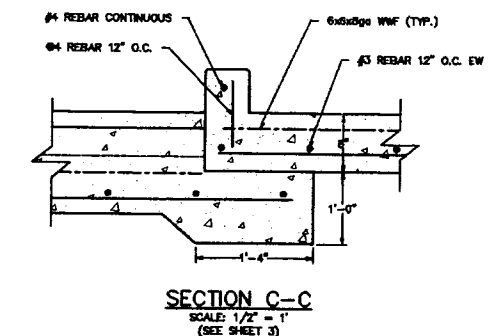
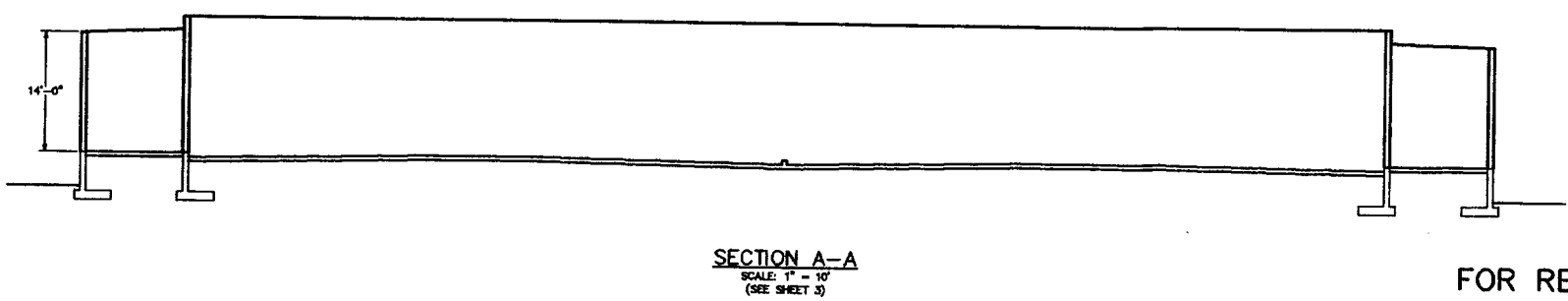
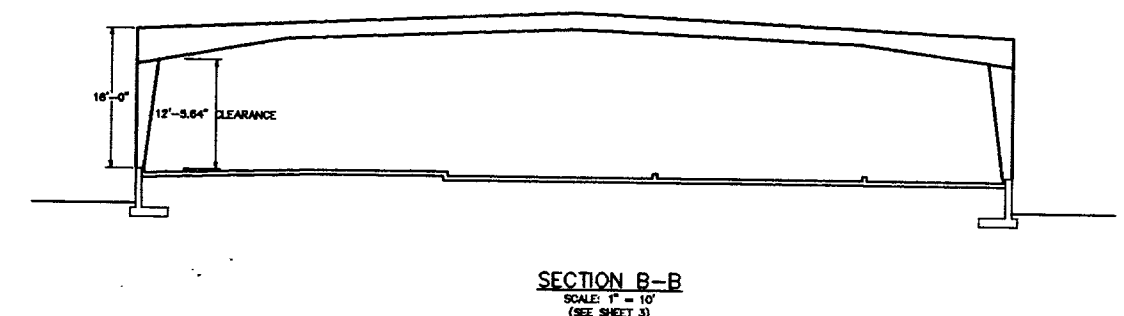
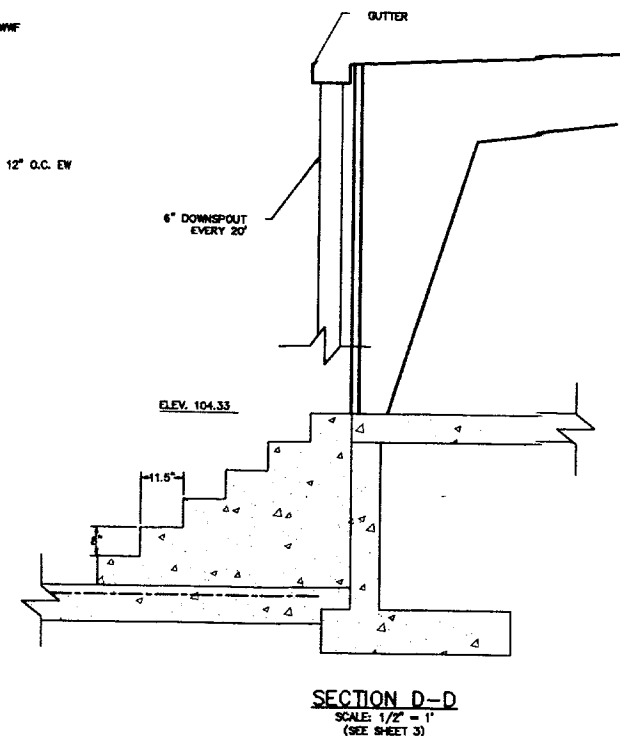
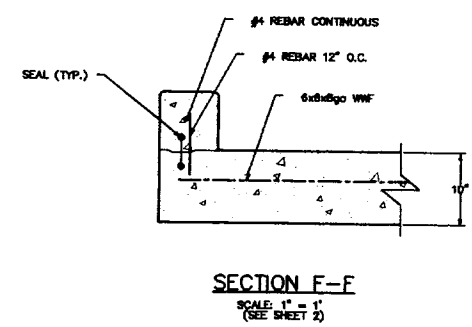
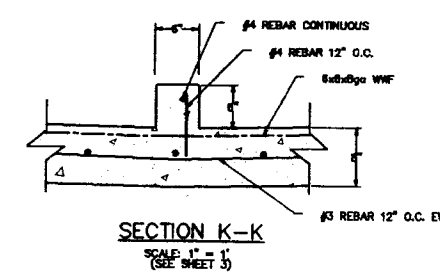
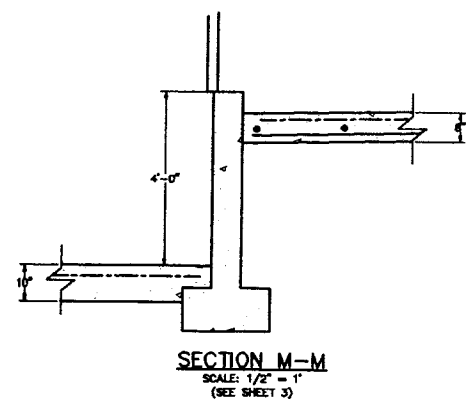
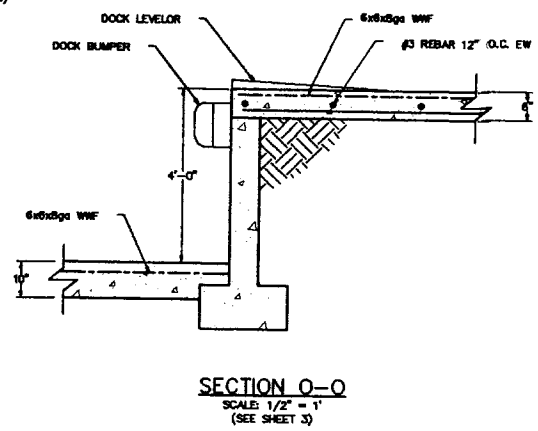
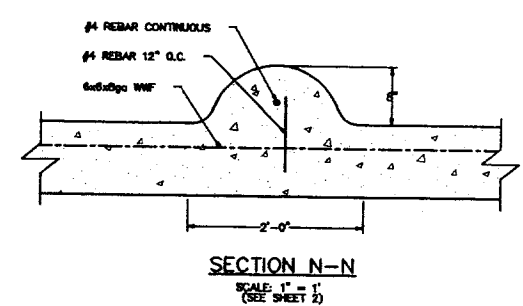
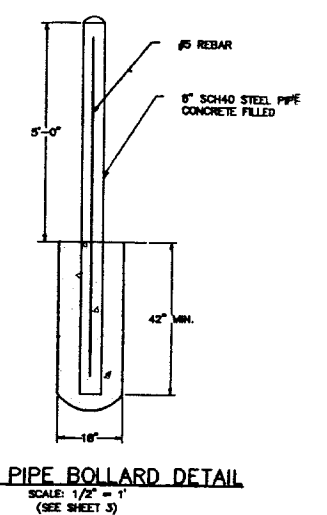
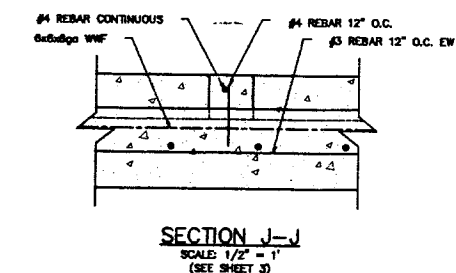
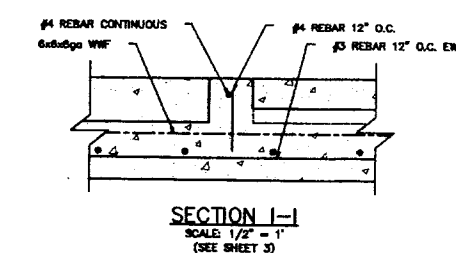
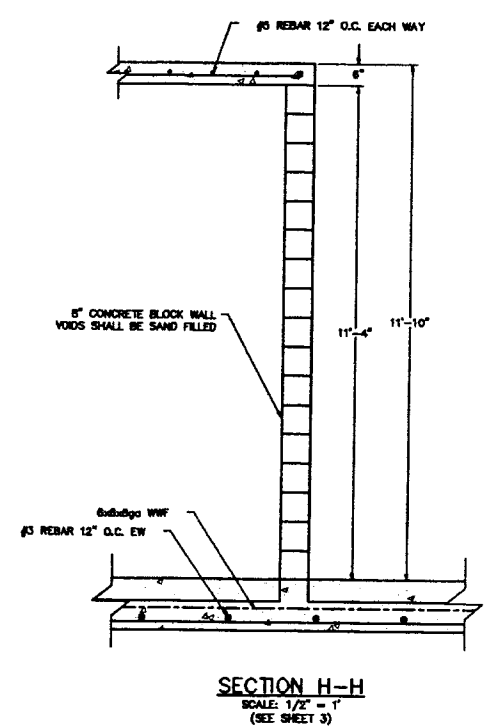
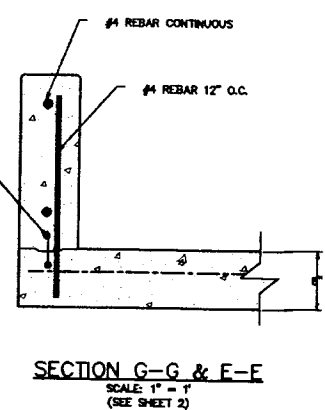
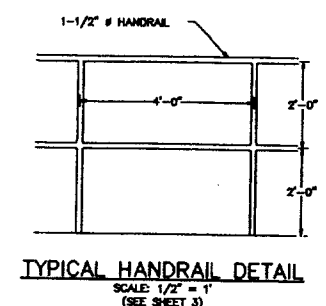
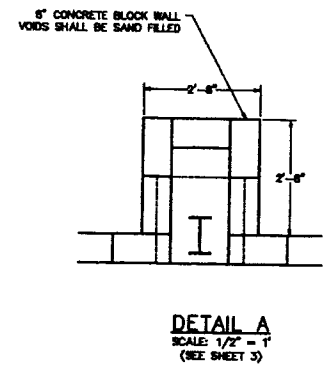
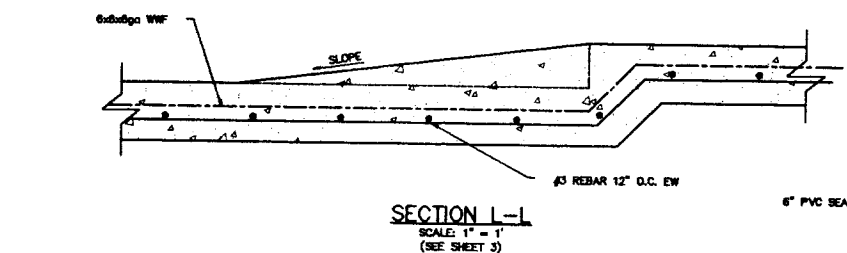
ETE Division
ViroGroup, Inc.
1445 Pigeon Church Road
Ladysburg, SC 29672
Phone 803-957-6270
Fax 803-957-3846
Watts 1-800-786-0854

**ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA**

**DRUM STORAGE BUILDING
FLOOR PLAN**

DRAWN BY: RHA	DATE: 8/22/96	CADD NO: 32803A03
DESIGNED BY: VEA	PROJECT NO: 12-32803.d1	
APPROVED BY:	SHEET NO: 3 OF	
SCALE: 1" = 10'		

NO.	REVISION	DATE	BY



FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION

ViroGroup
 1445 Plough Church Road
 Lexington, SC 29072
 Phone 803-957-6270
 FAX 803-957-3646
 Website 1-800-786-0854

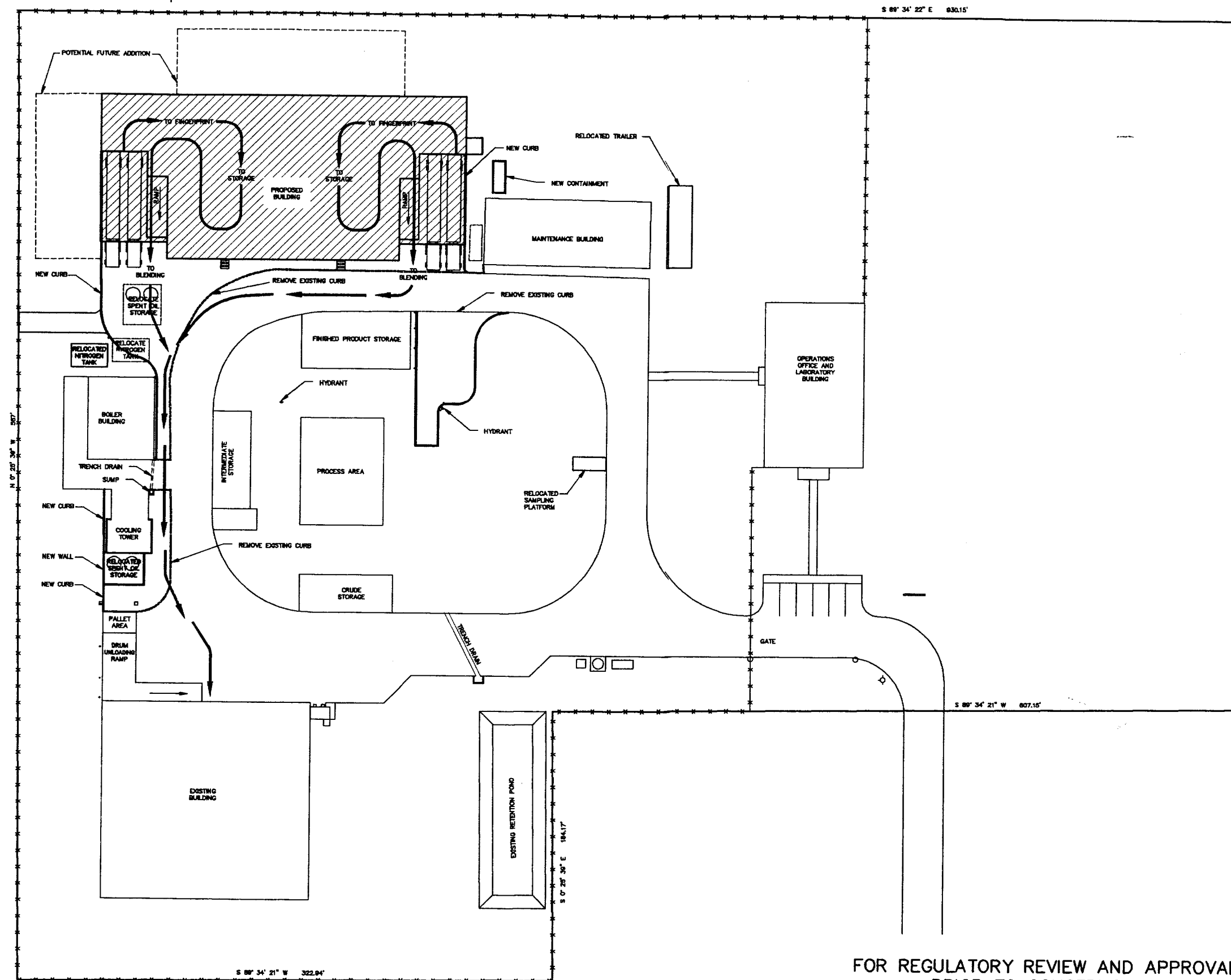
LAWLAW ENVIRONMENTAL SERVICES

OF BARTOW, INC.
BARTOW, FLORIDA

**DRUM STORAGE BUILDING
SECTIONS & DETAILS**

DRAWN BY:	RHA	DATE:	8/22/96
DESIGNED BY:	VEA	CADD NO.:	32803004
APPROVED BY:		PROJECT NO.:	12-32803.d1
SCALE:	AS SHOWN	SHEET NO.:	4 OF 4

NO.	REVISION	DATE	BY



FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION



LAIDLAW

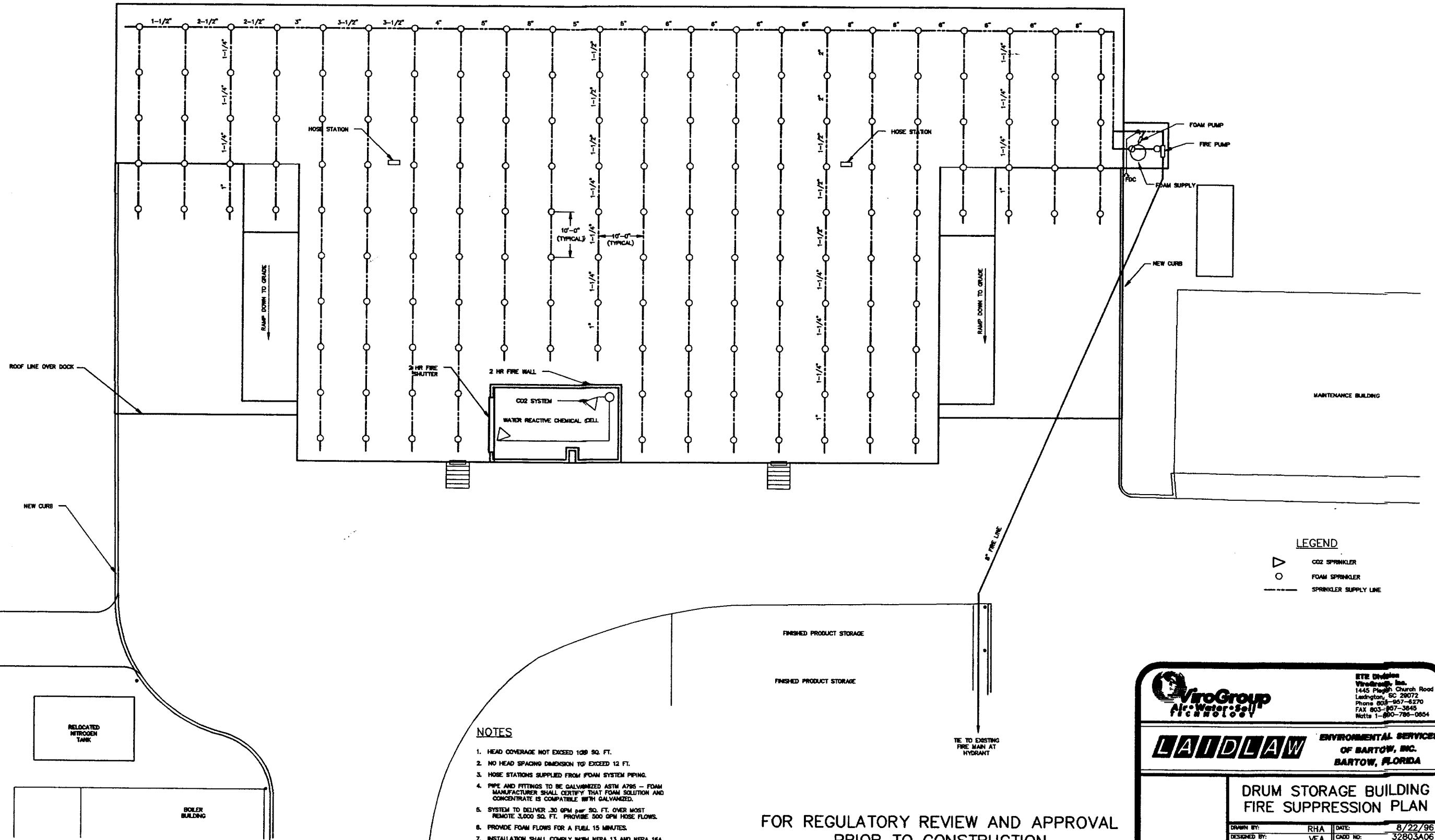
ETE Division
ViroGroup Inc.
1445 Pledge Church Road
Ladington, SC 29072
Phone 803-857-6270
Fax 803-857-3846
Watts 1-800-786-0654

**ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA**

**DRUM STORAGE BUILDING
WASTE FLOW PLAN**

DRAWN BY: RHA	DATE: 8/22/96
DESIGNED BY: VEA	CADD NO: 32803A05
APPROVED BY:	PROJECT NO: 12-32803.d1
SCALE: 1"=30'	SHEET NO: 5 OF

NO.	REVISION	DATE	BY



- NOTES**
1. HEAD COVERAGE NOT EXCEED 100 SQ. FT.
 2. NO HEAD SPACING DIMENSION TO EXCEED 12 FT.
 3. HOSE STATIONS SUPPLIED FROM FFOAM SYSTEM PIPING.
 4. PIPE AND FITTINGS TO BE GALVANIZED ASTM A795 - FOAM MANUFACTURER SHALL CERTIFY THAT FOAM SOLUTION AND CONCENTRATE IS COMPATIBLE WITH GALVANIZED.
 5. SYSTEM TO DELIVER 30 GPM PER SQ. FT. OVER MOST REMOTE 3,000 SQ. FT. PROVIDE 500 GPM HOSE FLOWS.
 6. PROVIDE FOAM FLOWS FOR A FULL 15 MINUTES.
 7. INSTALLATION SHALL COMPLY WITH NFPA 13 AND NFPA 16A.

FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION

LEGEND

△	CO2 SPRINKLER
○	FOAM SPRINKLER
---	SPRINKLER SUPPLY LINE

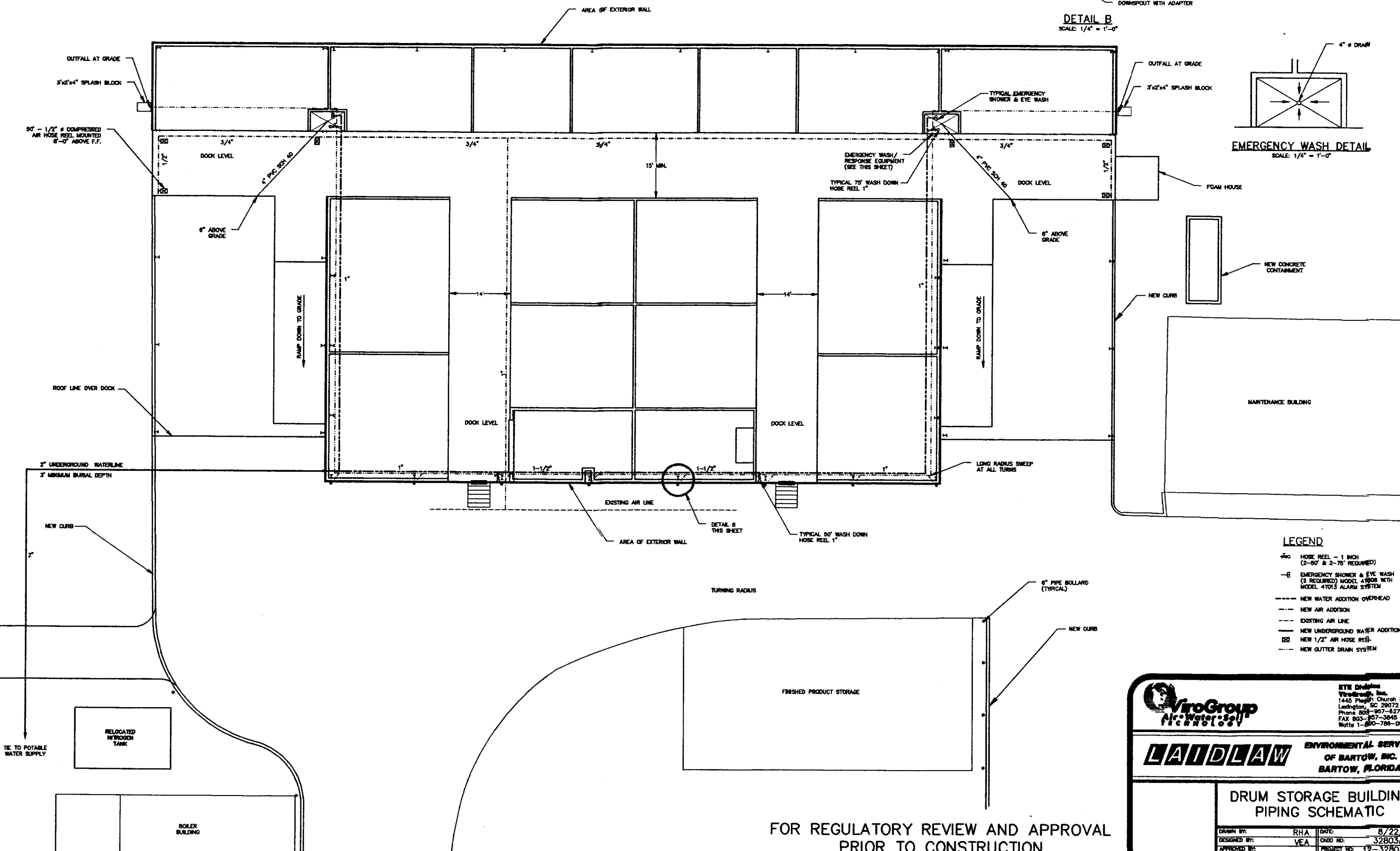
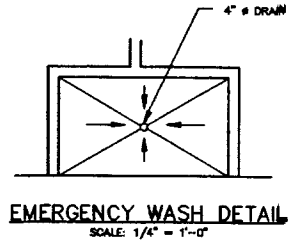
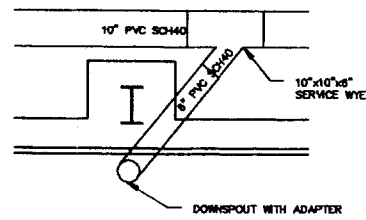
ITE Division
ViroGroup, Inc.
 1445 Piegut Church Road
 Lexington, SC 29072
 Phone 803-957-6270
 FAX 803-957-3848
 Molls 1-800-796-0854

ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA

DRUM STORAGE BUILDING
FIRE SUPPRESSION PLAN

DESIGNED BY:	RHA	DATE:	8/22/96
APPROVED BY:	VEA	CADD NO.:	32803A06
		PROJECT NO.:	32803.d1
SCALE:	1" = 10'	SHEET NO.:	6 OF

NO.	REVISION	DATE	BY



LEGEND

- HOSE REEL - 1 INCH (2-50' & 2-75' REQUIRED)
- EMERGENCY SHOWER & EYE WASH (2 REQUIRED) MODEL 4100B WITH MODEL 4101S ALARM SYSTEM
- NEW WATER ADDITION OVERHEAD
- NEW AIR ADDITION
- EXISTING AIR LINE
- NEW UNDERGROUND WATER ADDITION
- NEW 1/2" AIR HOSE REEL
- NEW GUTTER DRAIN SYSTEM

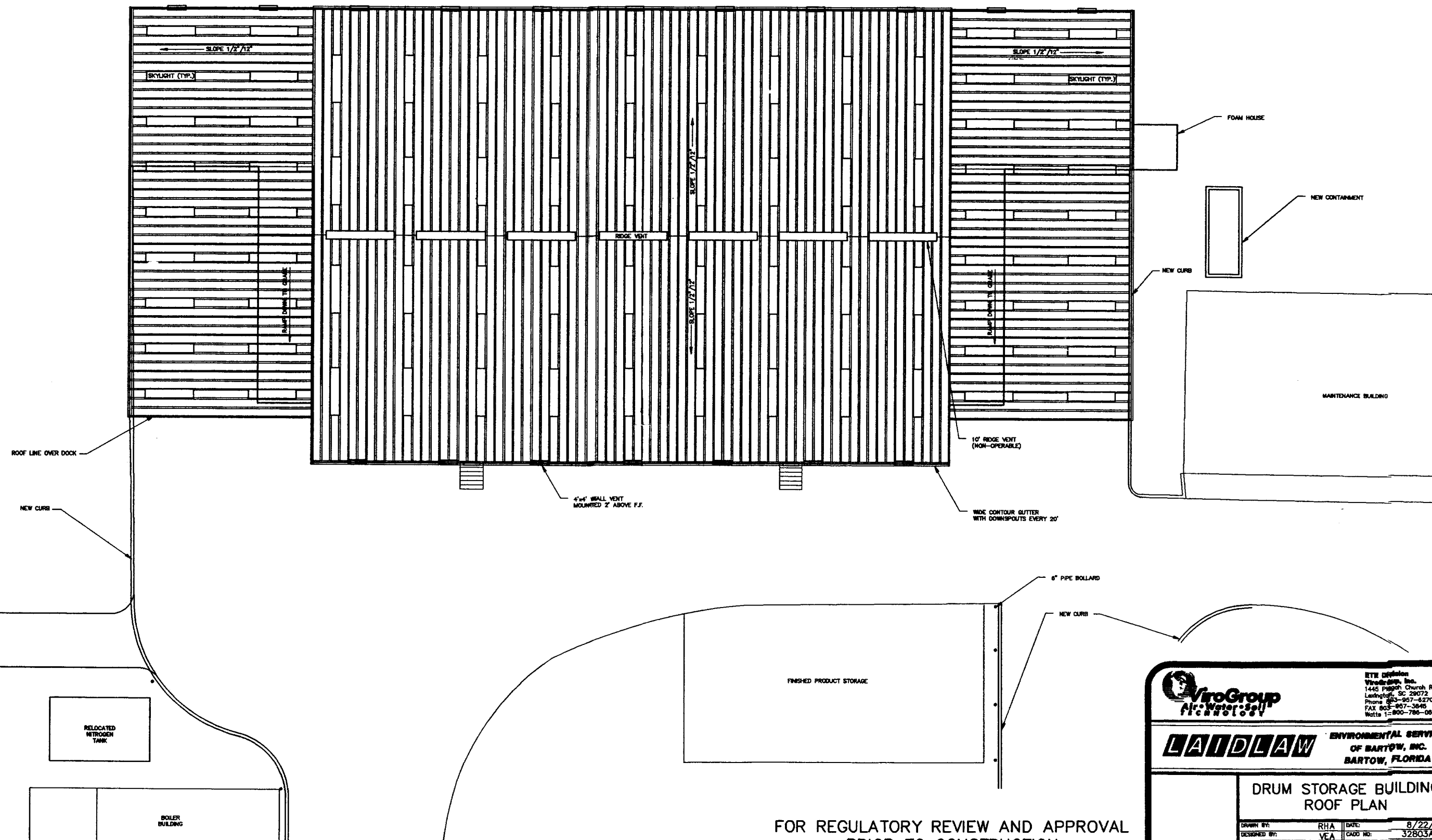
LAIDLAW

ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA

DRUM STORAGE BUILDING PIPING SCHEMATIC	
DRAWN BY: RHA	DATE: 8/22/96
DESIGNED BY: VEA	CADD NO: 32803A07
APPROVED BY:	PROJECT NO: 12-32803.d1
SCALE: 1" = 10'	SHEET NO: 7 OF 7

FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION

NO.	REVISION	DATE	BY



FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION

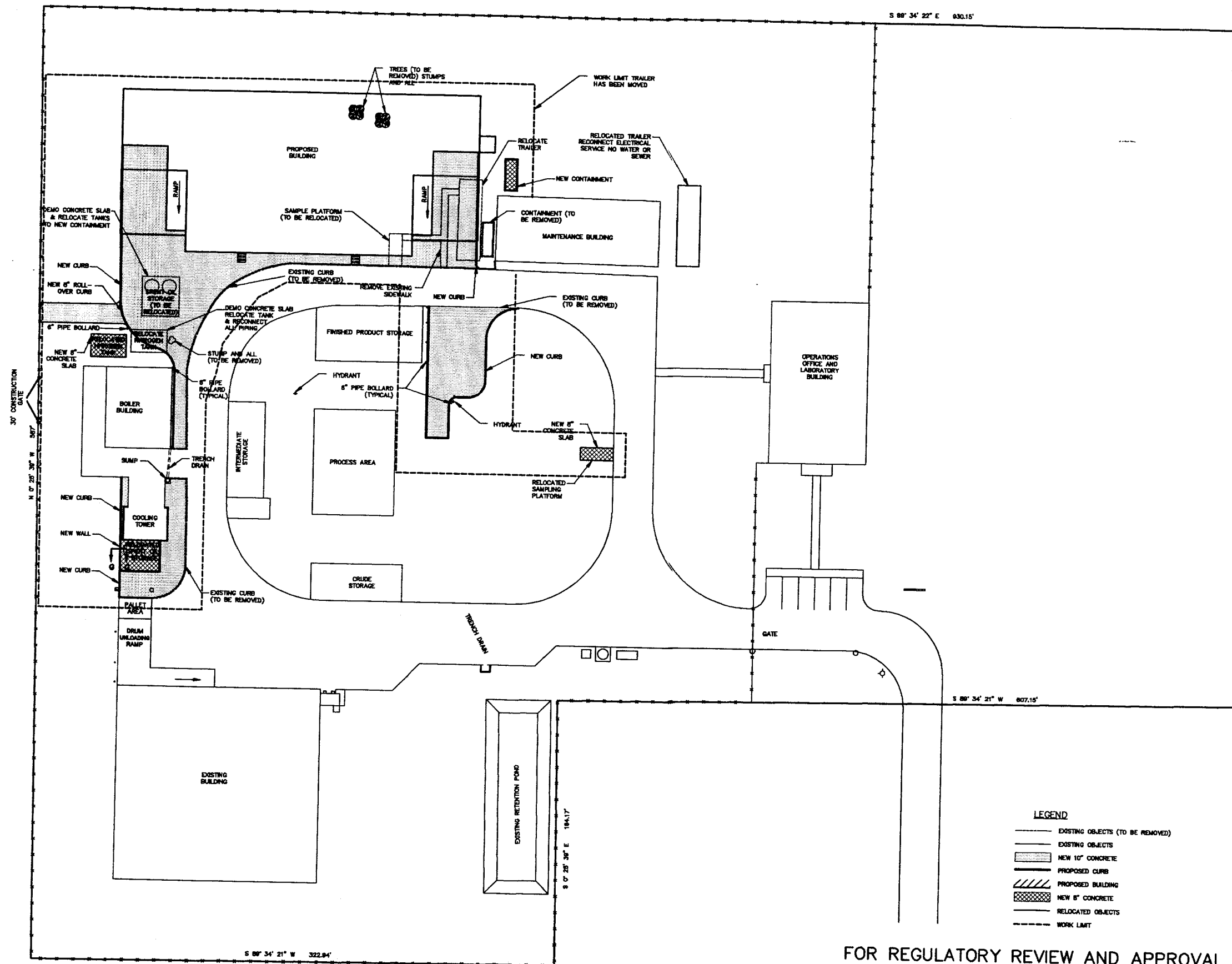
ETE Division
ViroGroup, Inc.
1445 Poplar Church Road
Lindbergh, SC 29072
Phone 803-957-6270
FAX 803-957-3845
Watts 1-800-786-0854

LAI DLAW ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA

**DRUM STORAGE BUILDING
ROOF PLAN**

DRAWN BY: RHA	DATE: 8/22/96
DESIGNED BY: VEA	CADD NO: 32803A08
APPROVED BY:	PROJECT NO: 12-32803.d1
SCALE: 1" = 10'	SHEET NO: 8 OF

NO.	REVISION	DATE	BY



- NOTES**
1. TEMPORARY CURB SHALL BE INSTALLED AT ALL LOCATIONS WHERE EXISTING CURB IS BEING REMOVED. USE 6" REINFORCED WHEEL STOPS SEALED AT ALL END JOINTS AND VERTICAL SEAMS.
 2. ALL COLD JOINTS SHALL HAVE INTERNAL SEALS AND BE CAULKED WITH HYDROCARBON RESISTANT MATERIAL.

- LEGEND**
- EXISTING OBJECTS (TO BE REMOVED)
 - EXISTING OBJECTS
 - NEW 10" CONCRETE
 - PROPOSED CURB
 - PROPOSED BUILDING
 - NEW 8" CONCRETE
 - RELOCATED OBJECTS
 - WORK LIMIT

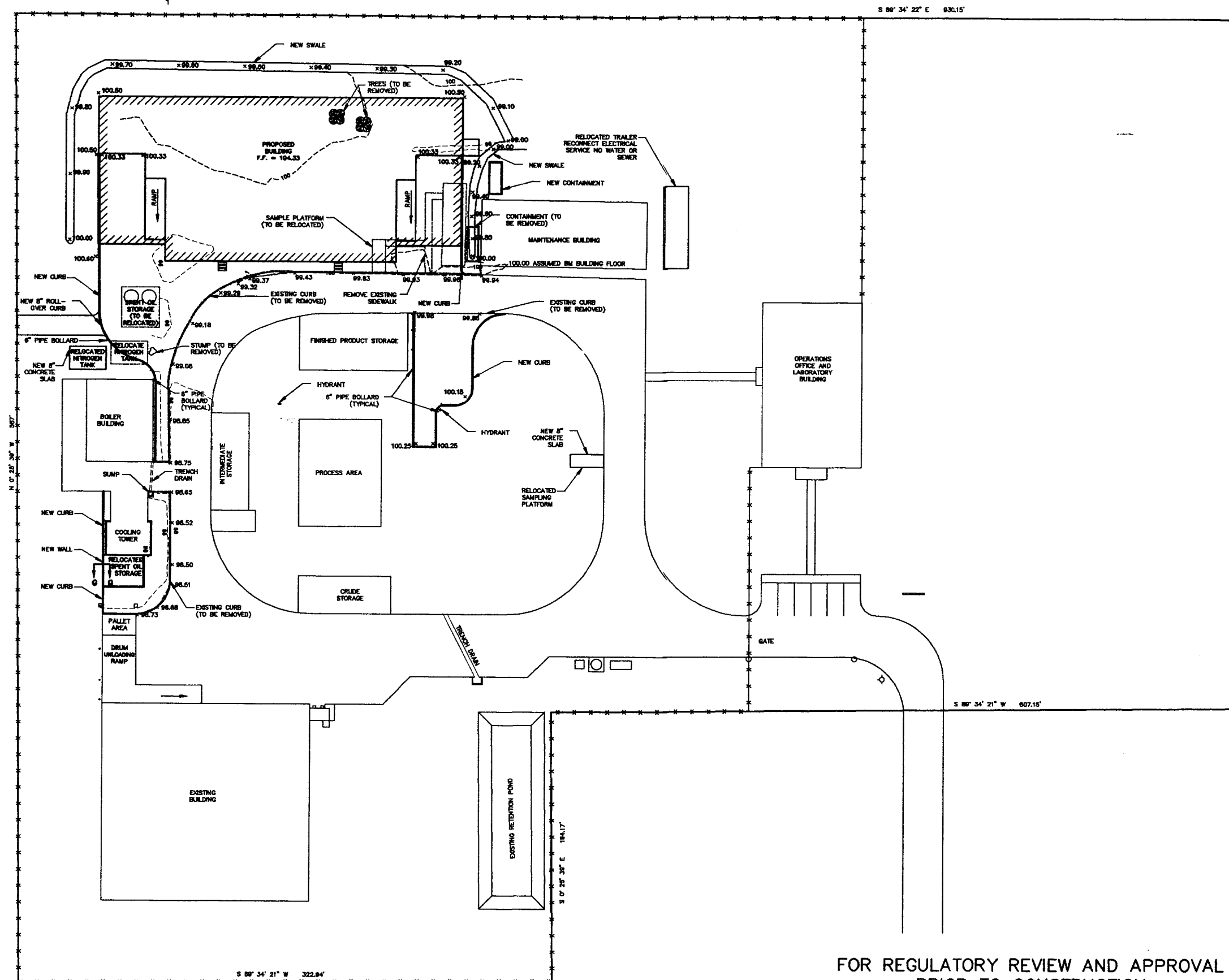
FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION

LAIDLAW ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA

ETE Division
ViroGroup, Inc.
1445 Pledge Church Road
Lansington, SC 29072
Phone 803-957-6270
Fax 803-957-3845
Watts 1-800-786-0854

DRAWN BY: RHA		DATE: 8/22/96	
DESIGNED BY: VEA		CADD NO: 32803A09	
APPROVED BY:		PROJECT NO: 12-32803.d1	
SCALE: 1"=30'		SHEET NO: 9 OF 10	

NO.	REVISION	DATE	BY



NOTES
 1. SLOPE NEW CONCRETE DRIVES TO EXISTING CONCRETE TIE AND SEAL COLD JOINT.

- LEGEND**
- NEW CONCRETE
 - EXISTING STRUCTURES
 - - - EXISTING STRUCTURES (TO BE REMOVED)
 - /// NEW BUILDING
 - x99.94 EXISTING SPOT ELEVATIONS
 - x100.00 NEW SPOT ELEVATIONS

FOR REGULATORY REVIEW AND APPROVAL
 PRIOR TO CONSTRUCTION

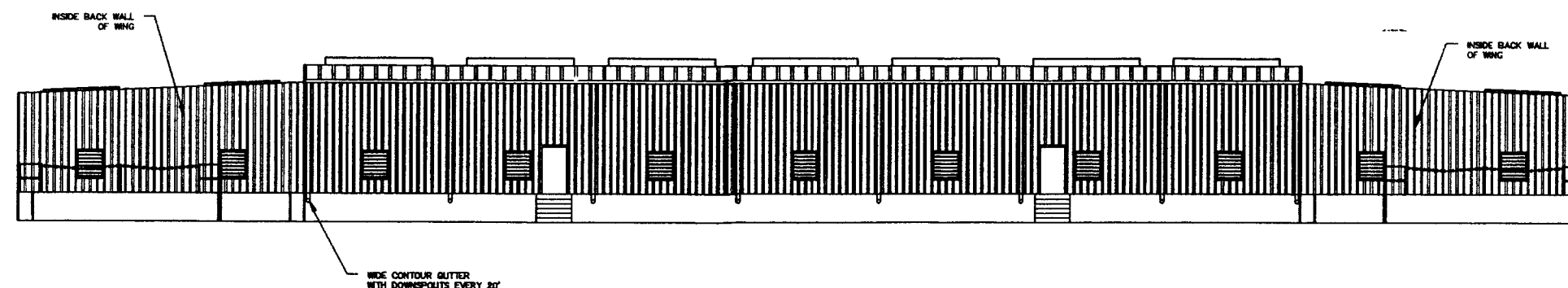


LAIDLAW ENVIRONMENTAL SERVICES
 OF BARTOW, INC.
 BARTOW, FLORIDA

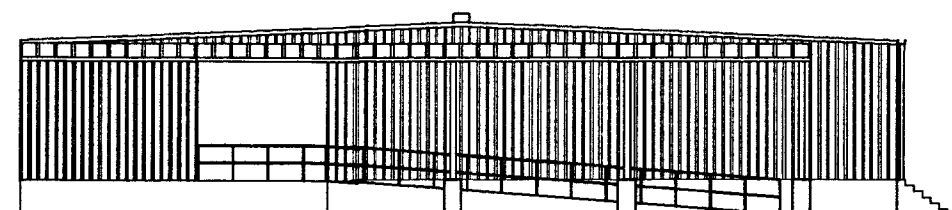
Site Division
 ViroGroup, Inc.
 1445 Pledge Church Road
 Lexington, SC 29072
 Phone 803-957-6270
 FAX 803-957-3845
 Website 1-888-786-0854

DRAWN BY: RHA		DATE: 8/22/96	
DESIGNED BY: VEA		CADD NO: 32803A10	
APPROVED BY:		PROJECT NO: 12-32803.01	
SCALE: 1"=30'		SHEET NO. 10 OF	

NO.	REVISION	DATE	BY



FRONT ELEVATION
SCALE: 1" = 10'-0"

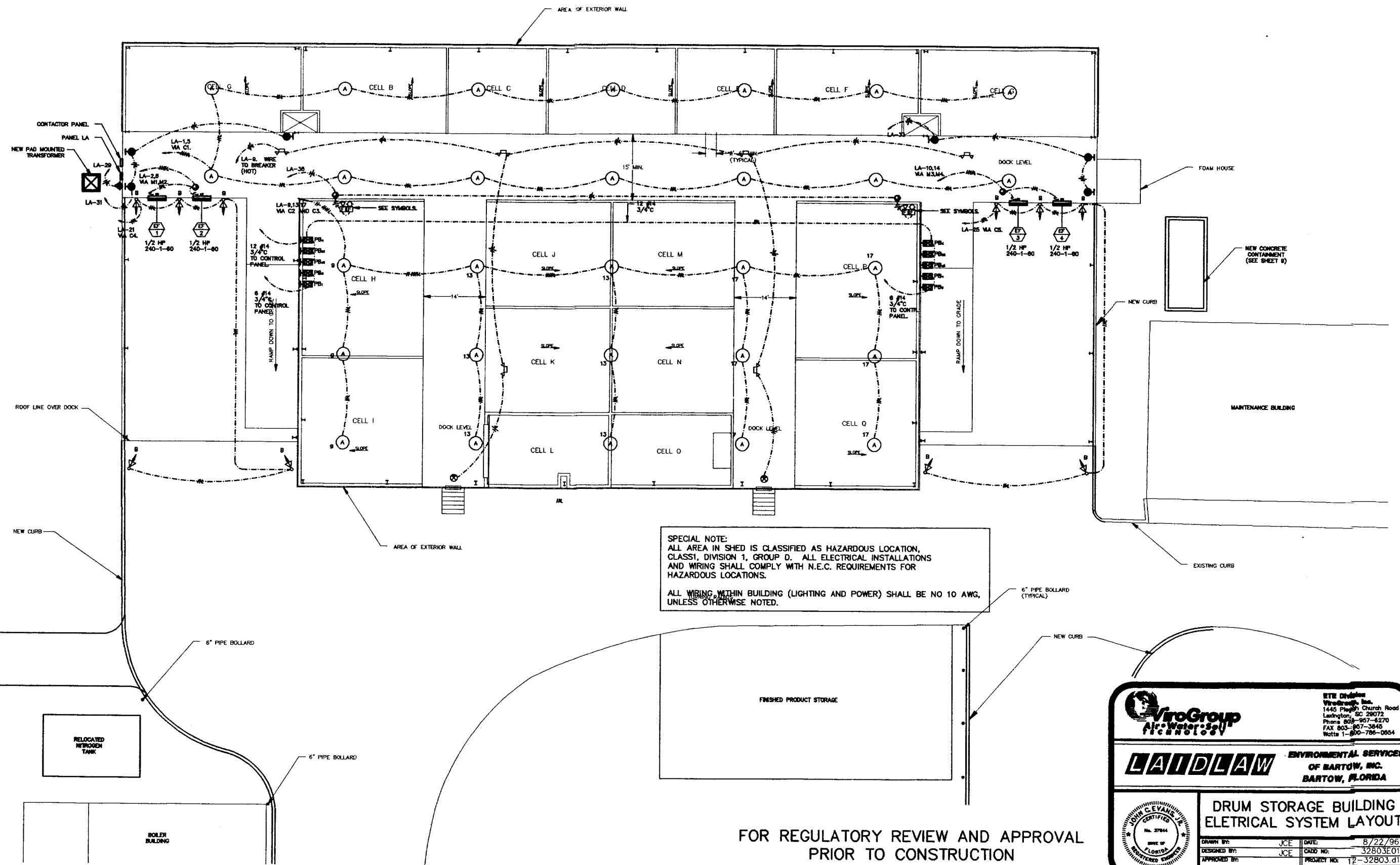


SIDE ELEVATION
SCALE: 1" = 10'-0"

FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION

		ETE Division ViroGroup, Inc. 1445 Pledge Church Road Lexington, SC 29072 Phone 803-957-6270 FAX 803-957-3845 Telex 1-800-785-0654	
LAIDLAW		ENVIRONMENTAL SERVICES OF BARTOW, INC. BARTOW, FLORIDA	
DRUM STORAGE BUILDING ELEVATION VIEWS			
DRAWN BY: RHA DESIGNED BY: YEA APPROVED BY:	DATE: 8/22/96 CAD NO: 32803A11 PROJECT NO: 12-32803.d1	SCALE: 1" = 10' SHEET NO. 11 OF	

NO.	REVISION	DATE	BY



SPECIAL NOTE:
ALL AREA IN SHED IS CLASSIFIED AS HAZARDOUS LOCATION, CLASS 1, DIVISION 1, GROUP D. ALL ELECTRICAL INSTALLATIONS AND WIRING SHALL COMPLY WITH N.E.C. REQUIREMENTS FOR HAZARDOUS LOCATIONS.

ALL WIRING WITHIN BUILDING (LIGHTING AND POWER) SHALL BE NO 10 AWG, UNLESS OTHERWISE NOTED.

FOR REGULATORY REVIEW AND APPROVAL
PRIOR TO CONSTRUCTION



LAIDLAW ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA

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1445 Peach Church Road
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Phone 803-957-6270
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Motto 1-800-786-0854

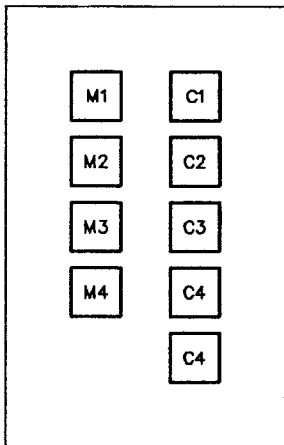


**DRUM STORAGE BUILDING
ELETRICAL SYSTEM LAYOUT**

DRAWN BY: JCE	DATE: 8/22/96	SHEET NO. E1
DESIGNED BY: JCE	CADD NO: 32803E01	
APPROVED BY:	PROJECT NO: 12-32803.d1	
SCALE: 1" = 10'		

NO.	REVISION	DATE	BY

CONTROL SYSTEMS EQUIPMENT:	
TYPE	DESCRIPTION
ENC	NEMA 4 ENCLOSED CABINET, 30-IN HIGH, 24-IN WIDE, 6-IN DEEP, WITH METAL BACK PANEL, HOFFMAN A-4 SERIES, OR EQUAL.
M1, M2 M3, M4	OPEN MOTOR STARTER, NEMA SIZE 0, 240-1-60, 1/2 HP WITH 120-VAC COIL AND HOLDING INTERLOCK. SQUARE D 8536/SBO, OR APPROVED EQUAL.
C1, C2 C3, C4 C5	MECHANICALLY HELD LIGHTING CONTACTOR, 30-AMP, 4-POLE, WITH 120-VAC COILS. SQUARE D 8903/LXO, OR APPROVED EQUAL.
PB1, PB2 PB3, PB4	START-STOP PUSHBUTTON, SEALED, CLASS 1, DIVISION 1, GROUP D. SQUARE D 9001/BR214, OR APPROVED EQUAL.
PBd1, PBd2 PBd3, PBd4	ON-OFF PUSHBUTTON, SEALED, CLASS 1, DIVISION 1, GROUP D. SQUARE D 9001/BR214, OR APPROVED EQUAL.

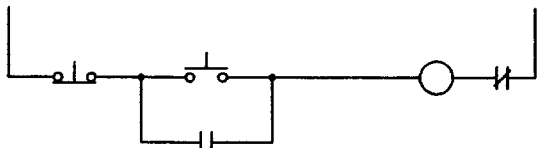


ELECTRICAL SYMBOLS	
	H.I.D. FIXTURE, PENDANT MOUNT.
	SAME, EXCEPT WITH FLOODLIGHT TRUNNION BRACKET. SEE MOUNTING DETAIL.
	EXIT SIGN.
	EMERGENCY BATTERY LIGHT.
	DISCONNECT SWITCH FOR FAN. MOUNT ADJACENT TO FAN. USE 20-AMP, 2-POLE EXPLOSION PROOF SWITCH, CROUSE HINDS, OR EQUAL.
	PUSHBUTTON FOR FAN STARTER OR LIGHTING CONTACTOR. SEE EQUIPMENT SCHEDULE. MOUNT ON COLUMN, 48-IN. ABOVE FIN. FLOOR.
	GFI RECEPTACLE, 20A-120V-NEMA 5-20R. MOUNTING HEIGHT 48" AFF. PROVIDE TYPE FD BOX AND WEATHERPROOF COVER PLATE.
	EXPLOSION PROOF RECEPTACLE, 20A-120V. MOUNTING HEIGHT 48" AFF. CROUSE HINDS CPS-152-20T, OR APPROVED EQUAL.
	EMERGENCY LIGHT TO FLASH WHEN EMERGENCY SHOWER IS OPERATED. PROVIDE 120V EXPLOSION PROOF CONNECTION TO LIGHT AS REQUIRED.
	EMERGENCY SIGNAL HORN FOR EMERGENCY SHOWER, SAME AS ABOVE.
	WALL OR CEILING MOUNTED JUNCTION BOX.
	PANELBOARD.
	BRANCH CIRCUIT WIRING RUN (EXPOSED AT WALLS OR CEILING. SLASH MARKS INDICATE NUMBER OF #10 CONDUCTORS. WHERE MORE THAN TWO ARE REQUIRED, SHORT SLASH DENOTES HOT OR SWITCH LEG, LONG SLASH DENOTES NEUTRAL, "L" DENOTES GREEN GROUNDING WIRE. ARROW DENOTES HOME RUN, NUMERAL DENOTES CIRCUIT NUMBER.

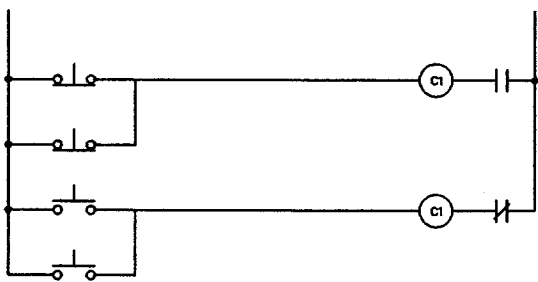
FIXTURE SCHEDULE			
TYPE	VOLTAGE	DESCRIPTION	LAMP
A	MULTI-TAP 240V	EXPLOSION PROOF FIXTURE WITH MULTI-TAP BALLAST (SET AT 240-VOLT) AND STANDARD REFLECTOR, CLASS 1, DIVISION 1, GROUP D. APPLETON AMB SERIES, OR EQUAL OF CROUSE HINDS OR KILLARK. PROVIDE STEEL CHANNELS TO SUPPORT FIXTURE.	1/400W/WH "SUPER" 40K LUMENS
B	MULTI-TAP 240V	SAME AS TYPE A, EXCEPT WITH 30-DEGREE REFLECTOR. FIXTURE MOUNTING HEIGHT TO BE 12-FT. ABOVE FINISHED FLOOR.	1/400W/WH "SUPER" 40K LUMENS
C	120V	EMERGENCY BATTERY LIGHT, EXPLOSION PROOF, CLASS 1, DIVISION 1, GROUP D. DUAL-LITE XPB-75P SERIES WITH (2) EX-100 LIGHT HEADS.	INCLUDED
D	120V	EXIT SIGN, EXPLOSION PROOF, CLASS 1, DIVISION 1, GROUP D. DUAL-LITE XPB-75P SERIES WITH (1) EX-100 LIGHT HEAD AND EX-100 SIGN. FIXTURE MOUNTING HEIGHT TO BE 8 FT. ABOVE FINISHED FLOOR.	INCLUDED

GENERAL NOTES	
A.	VISIT SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
B.	DO NOT SCALE THESE DRAWINGS. ROUGHING IN SHALL BE DONE FROM FIELD CONDITIONS AND DIMENSIONS ON ARCHITECTURAL DRAWINGS AND EQUIPMENT SHOP DRAWINGS.
C.	ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING AND PATCHING AS REQUIRED TO INSTALL HIS WORK. FINISH PATCHING AND PAINTING WILL BE DONE BY THE GENERAL CONTRACTOR.
D.	PRIOR TO DIGGING ANY TRENCHES, NOTIFY ALL UTILITIES (ELECTRIC, GAS, TELEPHONE, WATER, AND SEWER) AND OBTAIN LOCATIONS OF UNDERGROUND UTILITIES.
E.	ANY DAMAGES DONE TO UNDERGROUND UTILITIES OR PIPING BY THIS CONTRACTOR WILL BE REPAIRED BY THE OWNER OF THE LINE IN A SATISFACTORY MANNER. THIS CONTRACTOR WILL BEAR ALL COSTS FOR REPAIRS.
F.	ALL WORK SHALL COMPLY WITH THE 1996 NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES.
G.	APPLY AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS WORK.
H.	WIRING SHALL BE SOLID COPPER CONDUCTOR, SIZE NO. 10, UNLESS NOTED, WITH TYPE THHN-THWN-ITW, 90 C, 600V INSULATION, NO. 8 AND LARGER SHALL BE STRANDED COPPER CONDUCTOR WITH TYPE THHN-THWN, 75 C, 600V INSULATION. WIRING SHALL BE COLOR CODED TO MATCH EXISTING COLOR CODE.
I.	ALL WIRING SHALL BE RUN IN GRC WITH THREADED FITTINGS.
J.	OUTLET BOXES IN SHED SHALL BE EXPLOSION PROOF.
K.	SHED AREA IS CLASSIFIED AS A HAZARDOUS LOCATION, CLASS 1, DIVISION 1, GROUP D. ALL WORK IN SHED SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE FOR HAZARDOUS LOCATIONS. PROVIDE TYPE EYS SEALS WHERE RACEWAYS GO FROM HAZARDOUS LOCATION TO NON-HAZARDOUS LOCATIONS.

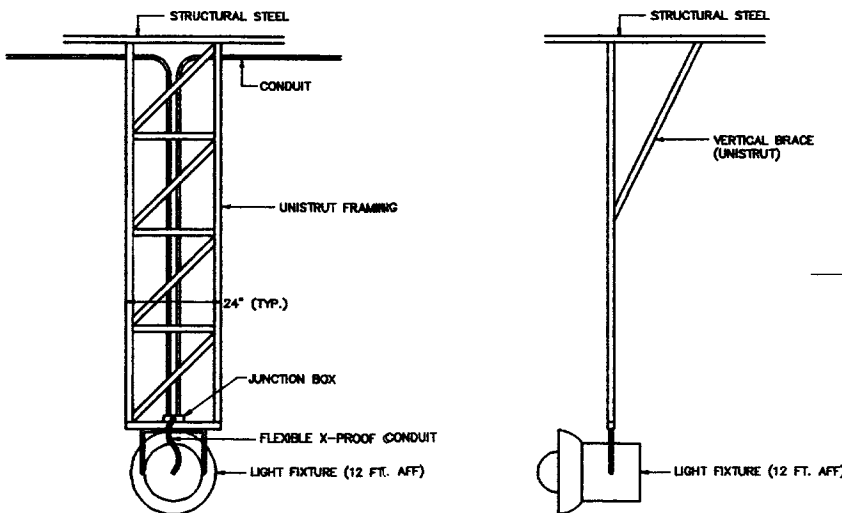
PANEL "LA" SQUARE D TYPE 9000, NEMA 3R CABINET, WITH GROUND BUS. 240/120 VOLT, 1 PHASE, 3 WIRE, 200 AMP, MAIN BREAKER (BOTTOM), 10K AIC RATED											
KVA	LOAD	BKR	TYPE	NO	#	NO	TYPE	BKR	LOAD	KVA	
3.5	LTD	20/2	QOB	1	A	2	QOB	20/2	FAN	0.7	
3.5	LTD	20/2		3	B	4		20/2	FAN	0.7	
3.5	LTD	20/2		5	C	6		20/2	FAN	0.7	
3.5	LTD	20/2		7	A	8		20/2	FAN	0.7	
3.5	LTD	20/2		9	B	10		20/2	FAN	0.7	
3.5	LTD	20/2		11	C	12		20/2	FAN	0.7	
3.5	LTD	20/2		13	A	14		20/2	FAN	0.7	
3.5	LTD	20/2		15	B	16		20/2	SPARE		
3.5	LTD	20/2		17	C	18		20/2	SPARE		
2.5	LTD	20/2		19	A	20		20/2	SPARE		
2.5	LTD	20/2		21	B	22		20/2	SPARE		
2.5	LTD	20/2		23	C	24		SPC	SPACE		
	RECEPT	20/1		25	A	26					
	RECEPT	20/1		27	B	28					
	RECEPT	20/1		29	C	30					
	RECEPT	20/1		31	A	32					
	RECEPT	20/1		33	B	34		30/2	LIGHTNING PROTECTOR		
	LTD/FAN CONTROLS	15/1		35	C	36					



CONTROL WIRING - FAN CIRCUIT
TYPICAL FOR EF-1, EF-2, EF-3, AND EF-4
NOT TO SCALE

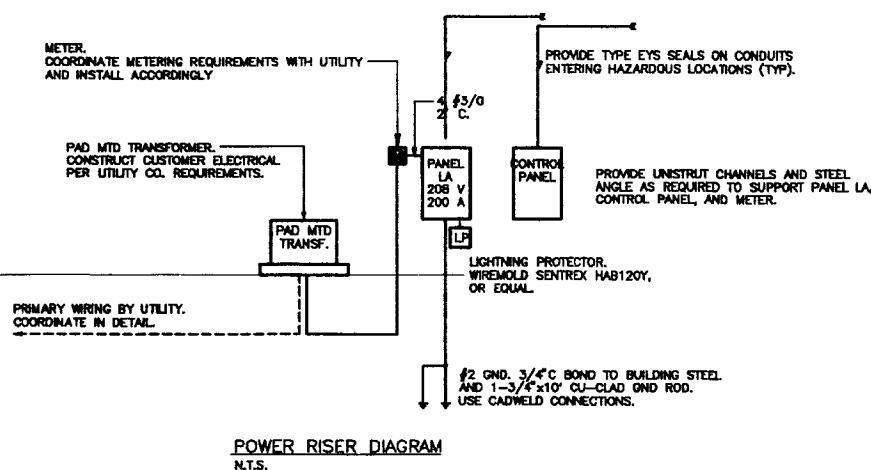


LIGHTING CONTACTOR CONTROL WIRING
TYPICAL FOR C1, C2, AND C3.
SIMILAR FOR C4 AND C5, EXCEPT CONTROLLED BY ONE SET OF PB'S.
NOT TO SCALE



FRONT VIEW
SIDE VIEW
TYPE B LIGHT FIXTURE MOUNTING DETAIL
NOT TO SCALE

CONTACTOR	CIRCUITS CONTROLLED	PUSHBUTTON CONTROLLER
C1	LA-1, LA-5	PB-a1, PB-a2
C2	LA-9, LA-13	PB-b1, PB-b2
C3	LA-17	PB-b1, PB-b2
C4	LA-21	PB-c
C5	LA-25	PB-d



ViroGroup
Air-Water-Soil
Technology

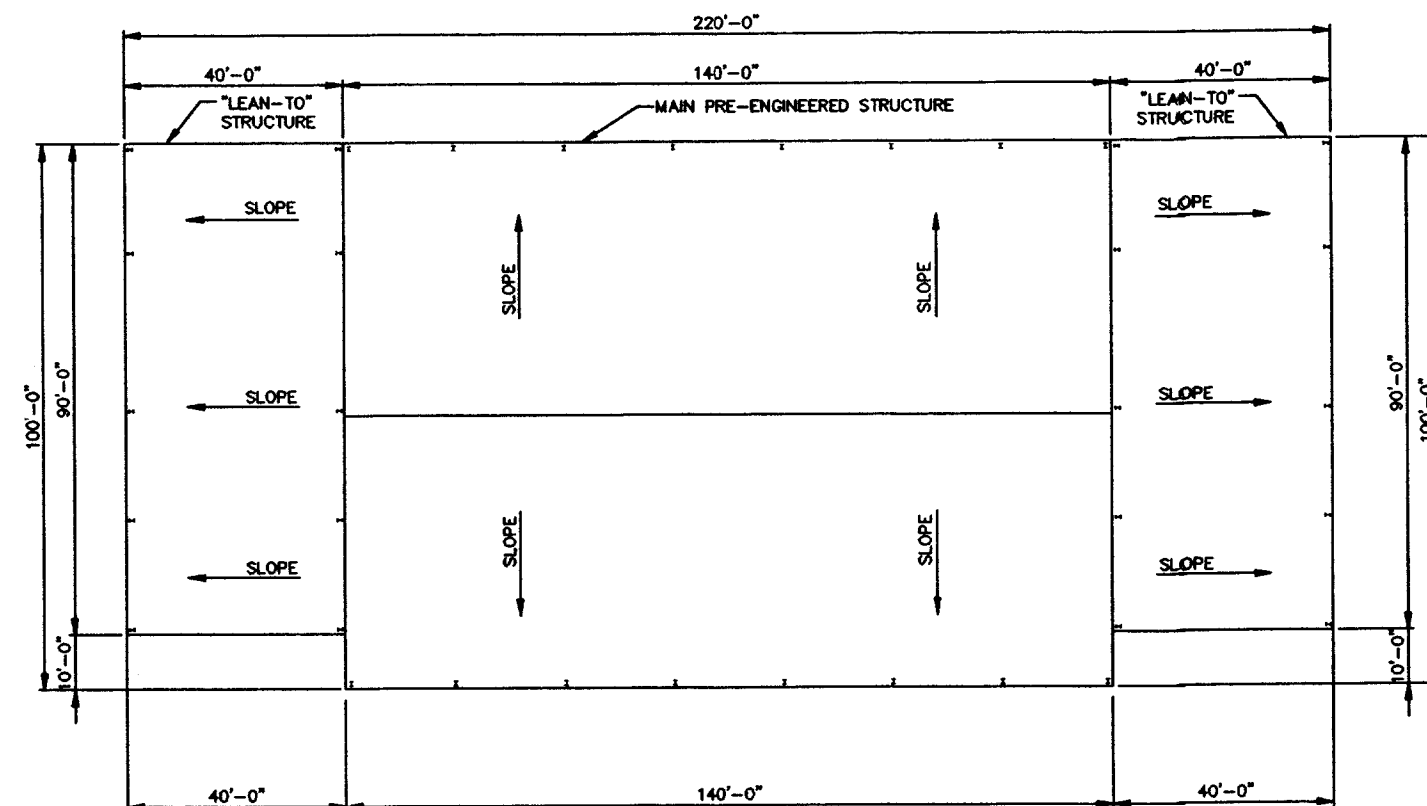
ETE Division
ViroGroup, Inc.
1445 Pilegh Church Road
Lexington, SC 29072
Phone 803-567-6270
FAX 803-567-3045
Watts 1-800-786-0854

Laidlaw

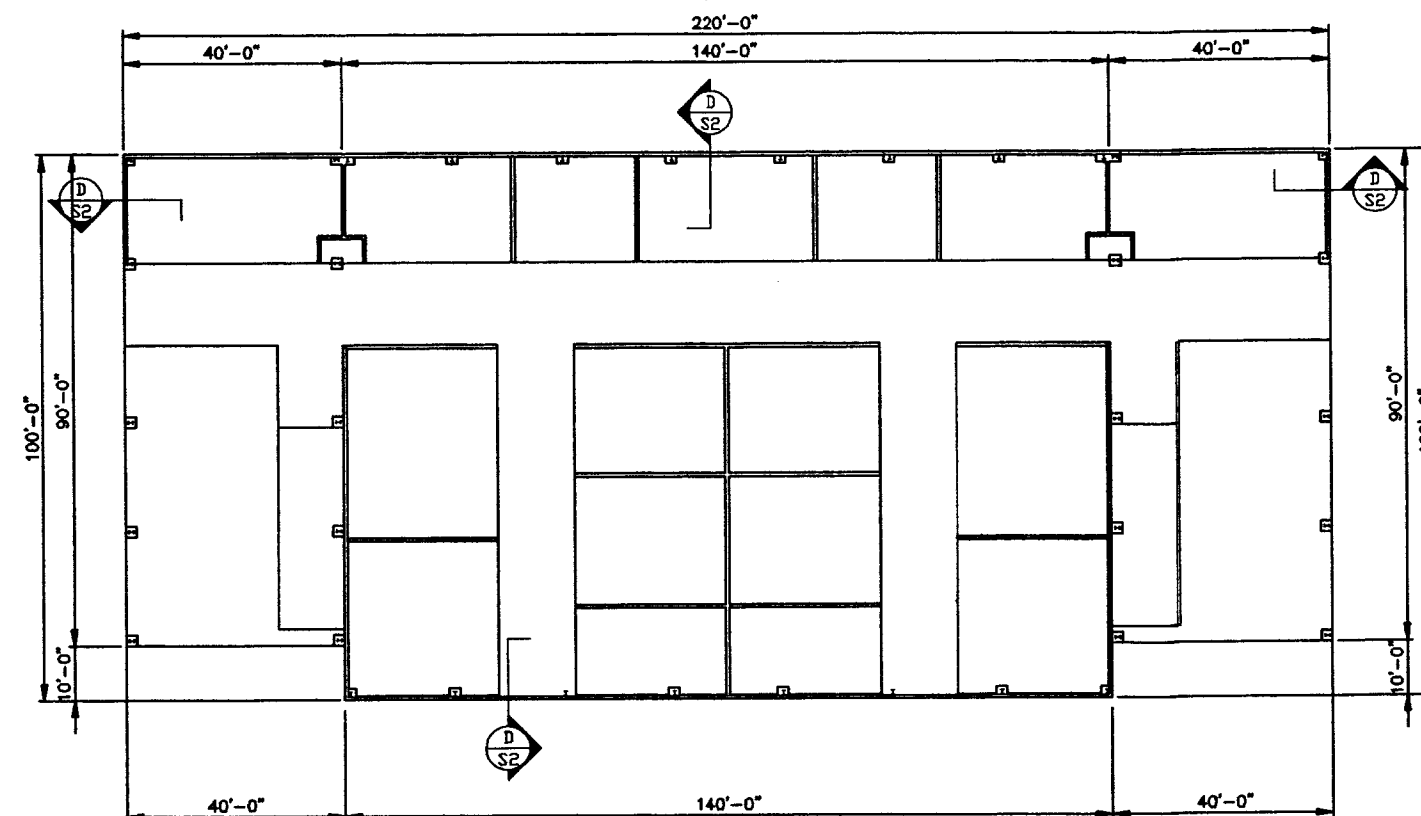
ENVIRONMENTAL SERVICES
OF BARTOW, INC.
BARTOW, FLORIDA

DRUM STORAGE BUILDING
ELECTRICAL DETAILS

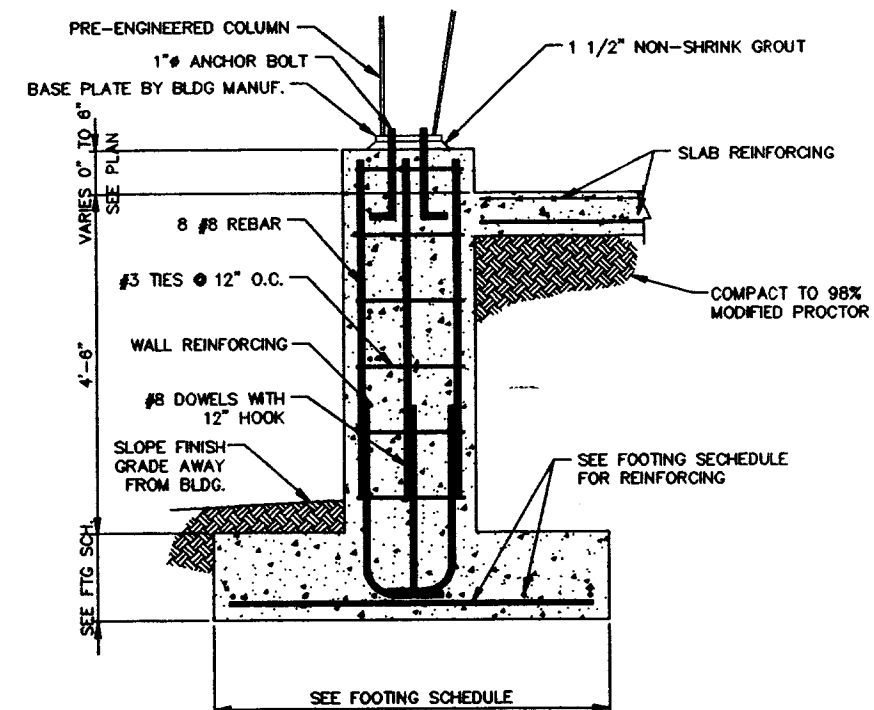
DRAWN BY:	JCE	DATE:	8/22/96
DESIGNED BY:	JCE	CADD NO:	32803AE2
APPROVED BY:		PROJECT NO:	12-32803.01
SCALE:	NONE	SHEET NO.	E2 OF 2



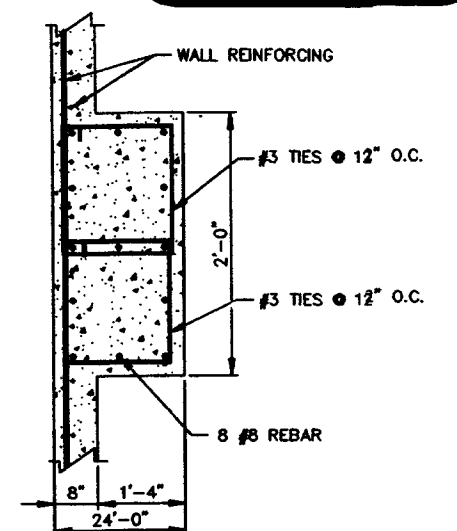
ROOF PLAN
SCALE: 1/16" = 1'-0"



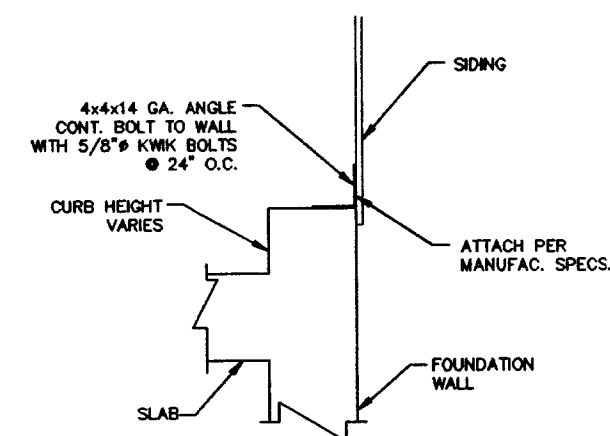
WALL SIDING LAYOUT
SCALE: 1/16" = 1'-0"



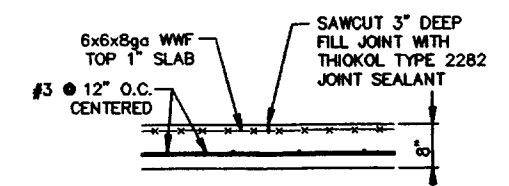
SECTION 'C'
SCALE: 3/4" = 1'-0"



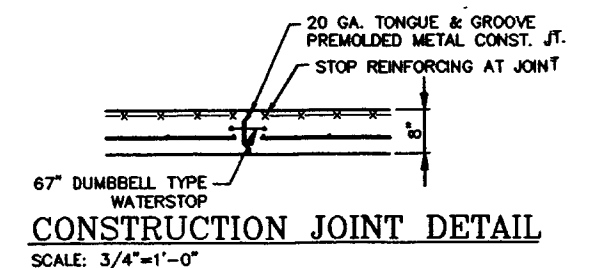
TOP VIEW THROUGH PIER



SECTION 'D'
SCALE: 1 1/2" = 1'-0"



TYPICAL CONTROL JOINT
SCALE: 3/4" = 1'-0"



CONSTRUCTION JOINT DETAIL
SCALE: 3/4" = 1'-0"

GENERAL NOTES

1. ALL CONCRETE WORK PER ACI
2. ALL STEEL WORK PER AISC
3. ALL CONCRETE 4000 PSI @ 28 DAYS
4. ALL REBAR GRADE 60
5. ALL WWF ASTM A185
6. CUT ALL CONTROL JOINTS WITHIN EIGHT (8) HOUR OF CONCRETE POUR
7. WET CURE CONCRETE FOR 7 DAYS WITH SPRINKLERS AND BURLAP
8. COMPACT ALL FILL MATERIAL 98% MODIFIED PROCTOR
9. MINIMUM ALLOWABLE SOIL BEARING 2000 PSF
10. POUR FOOTINGS ON UNDISTURBED SOIL OR SUITABLE COMPACTED FILL MATERIAL
11. ALL STEEL ASTM A36
12. ALL BOLTS A325
13. SEAL ALL JOINTS IN CONCRETE WITH THIKOL JOINT SEALANT TYPE 2282

		ETE Division ViroGroup, Inc. 1445 Peach Church Road Lexington, SC 29072 Phone 803-557-5270 FAX 803-557-3645 Toll 1-800-786-0854	
LAIDLAW		ENVIRONMENTAL SERVICES OF BARTOW, INC. BARTOW, FLORIDA	
DRUM BUILDING BUILDING STRUCTURAL LAYOUT			
DRAWN BY: RHA DESIGNED BY: JWW APPROVED BY: VEA SCALE: AS SHOWN	DATE: 6/22/96 CADD NO: 32803502 PROJECT NO: 12-32803.d1 SHEET NO: 52 OF		