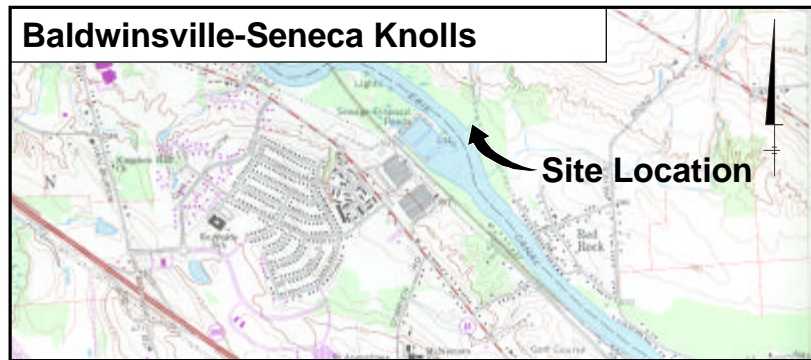


RECORD DRAWINGS

CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINSVILLE-SENECA KNOLLS, BREWERTON, WETZEL ROAD, AND BURNET AVENUE

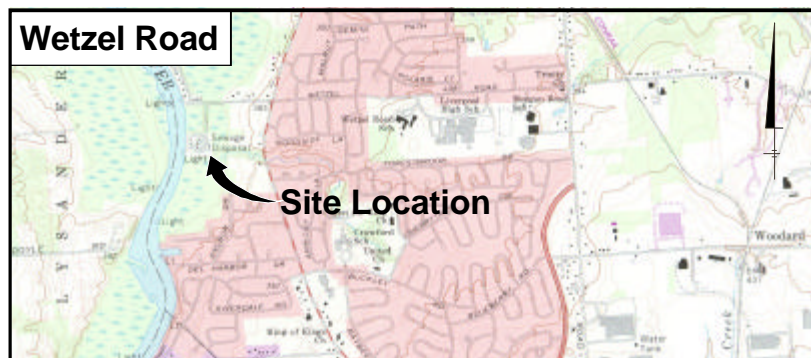
PROJECT NO. 587346



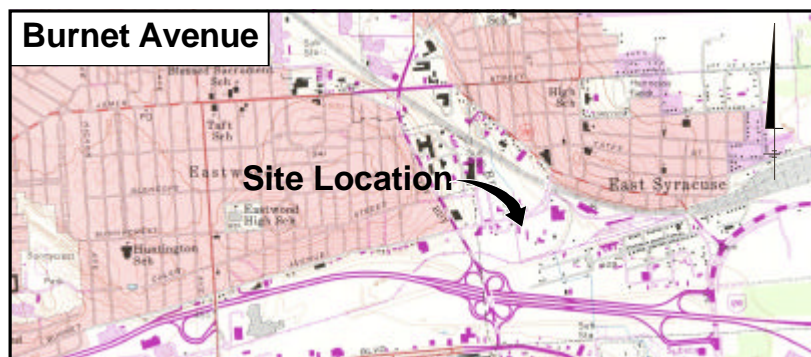
REFERENCE: Base Map Source, USGS 7.5 Min. Topo. Quad., Baldwinsville, New York, 1973, photorevised 1978.



REFERENCE: Base Map Source, USGS 7.5 Min. Topo. Quad., Brewerton, New York, 1973, photorevised 1978.



REFERENCE: Base Map Source, USGS 7.5 Min. Topo. Quad., Brewerton, New York, 1973, photorevised 1978.



REFERENCE: Base Map Source, USGS 7.5 Min. Topo. Quad., Syracuse, East, New York, 1957, photorevised 1978.

CONTRACT NO. 4A GENERAL
 CONTRACT NO. 4B ELECTRICAL
 CONTRACT NO. 4C HEATING AND VENTILATION
 CONTRACT NO. 4D PLUMBING

**COUNTY OF ONONDAGA
 DEPARTMENT OF DRAINAGE AND SANITATION
 SYRACUSE, NEW YORK**

MAY 2001

RECORD DRAWINGS
 TO THE BEST OF OUR KNOWLEDGE,
 INFORMATION AND BELIEF, THESE RECORD
 DRAWINGS SUBSTANTIALLY REPRESENT
 THE PROJECT AS CONSTRUCTED
BLASLAND, BOUCK & LEE, INC.

DATE _____ BY _____

APPROVED BY ONONDAGA COUNTY
 DEPARTMENT OF DRAINAGE AND SANITATION

RICHARD L. ELANDER, PE, COMMISSIONER

DATE _____

INDEX TO DRAWINGS

TITLE SHEET

GENERAL

- G-1 WETZEL ROAD WPCP - PIPING AND PARTIAL SITE PLAN
- G-2 WETZEL ROAD WPCP - DEMOLITION PLAN AND SECTIONS
- G-3 BALDWINSVILLE-SENECA KNOLLS WPCP - OUTSIDE PIPING AND PARTIAL SITE PLAN
- G-4 BALDWINSVILLE-SENECA KNOLLS WPCP - DEMOLITION PLAN AND ELEVATION
- G-5 BREWERTON WPCP - OUTSIDE PIPING AND PARTIAL SITE PLAN
- G-6 BREWERTON WPCP - DEMOLITION PLAN AND SECTION
- G-7 BREWERTON WPCP - DEMOLITION PLAN
- G-8 BURNET AVENUE CHEMICAL FEED STATION - OUTSIDE PIPING AND PARTIAL SITE PLAN
- G-9 MISCELLANEOUS DETAILS I
- G-10 MISCELLANEOUS DETAILS II

ARCHITECTURAL

- A-1 BALDWINSVILLE-SENECA KNOLLS WPCP - ROOF PLAN AND DETAIL
- A-2 BURNET AVE CHEMICAL FEED STATION - PLANS AND SECTIONS
- A-3 BURNET AVE CHEMICAL FEED STATION - ELEVATION AND SECTION
- A-4 BURNET AVE CHEMICAL FEED STATION - MISCELLANEOUS DETAILS

STRUCTURAL

- S-1 BURNET AVE CHEMICAL FEED STATION - FOUNDATION PLAN AND SECTIONS
- S-2 BURNET AVE CHEMICAL FEED STATION - TRANSFER STATION AND ROOF FRAMING PLANS
- S-3 BURNET AVE CHEMICAL FEED STATION - DETAILS AND SECTIONS
- S-4 BREWERTON WPCP - STRUCTURAL PLAN AND SECTIONS
- S-5 BALDWINSVILLE-SENECA KNOLLS WPCP - ROOF PLAN, SECTION AND DETAILS
- S-6 TRANSFER STATION - PLANS AND SECTIONS
- S-7 MISCELLANEOUS DETAILS

MECHANICAL

- M-1 WETZEL ROAD WPCP - SECTION, PARTIAL ELEVATION AND PLAN
- M-2 BALDWINSVILLE-SENECA KNOLLS WPCP - PIPING PLAN AND SECTION
- M-3 BREWERTON WPCP - PLAN, SECTION AND PARTIAL ELEVATION
- M-4 BREWERTON WPCP - PLANS AND PARTIAL ELEVATION
- M-5 BURNET AVE CHEMICAL FEED STATION - PIPING PLAN AND SECTIONS
- M-6 MISCELLANEOUS DETAILS
- M-7 TYPICAL CHEMICAL FEED SYSTEM PROCESS SCHEMATIC
- RD-1 WETZEL ROAD WPCP CHEMICAL FEED SYSTEM PROCESS SCHEMATIC
- RD-2 BALDWINSVILLE-SENECA KNOLLS WPCP CHEMICAL FEED SYSTEM PROCESS SCHEMATIC
- RD-3 BREWERTON WPCP CHEMICAL FEED SYSTEM PROCESS SCHEMATIC
- RD-4 BURNET AVE CHEMICAL FEED STATION CHEMICAL FEED SYSTEM PROCESS SCHEMATIC

INSTRUMENTATION

- I-1 CONTROL CABINET LAYOUT AND ELEVATION
- I-2 WETZEL ROAD WPCP - PROCESS AND INSTRUMENTATION DIAGRAM
- I-3 BURNET AVE CHEMICAL FEED STATION - PROCESS AND INSTRUMENTATION DIAGRAM
- I-4 BALDWINSVILLE-SENECA KNOLLS WPCP - PROCESS AND INSTRUMENTATION DIAGRAM
- I-5 BREWERTON WPCP - PROCESS AND INSTRUMENTATION DIAGRAM
- I-6 LADDER DIAGRAMS

ELECTRICAL

- E-1 WETZEL ROAD WPCP - LIGHTING, POWER AND INST. PLANS
- E-2 BALDWINSVILLE-SENECA KNOLLS WPCP - LIGHTING, POWER AND INST. PLANS
- E-3 BREWERTON WPCP POWER AND INST. PLANS
- E-4 BURNET AVE CHEMICAL FEED STATION - LIGHTING, POWER AND INST. PLANS
- E-5 ONE-LINE DIAGRAM AND DETAILS
- E-6 PANEL SCHEDULES
- E-7 CONDUIT SCHEDULES
- E-8 ELEMENTARY DIAGRAMS

HEATING & VENTILATION

- H-1 BURNET AVE CHEMICAL FEED STATION - PLANS
- H-2 BURNET AVE CHEMICAL FEED STATION - DETAILS AND SCHEDULES

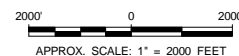
PLUMBING

- P-1 BURNET AVE CHEMICAL FEED STATION - PLAN, RISER DIAGRAM AND DETAIL

NOTE:

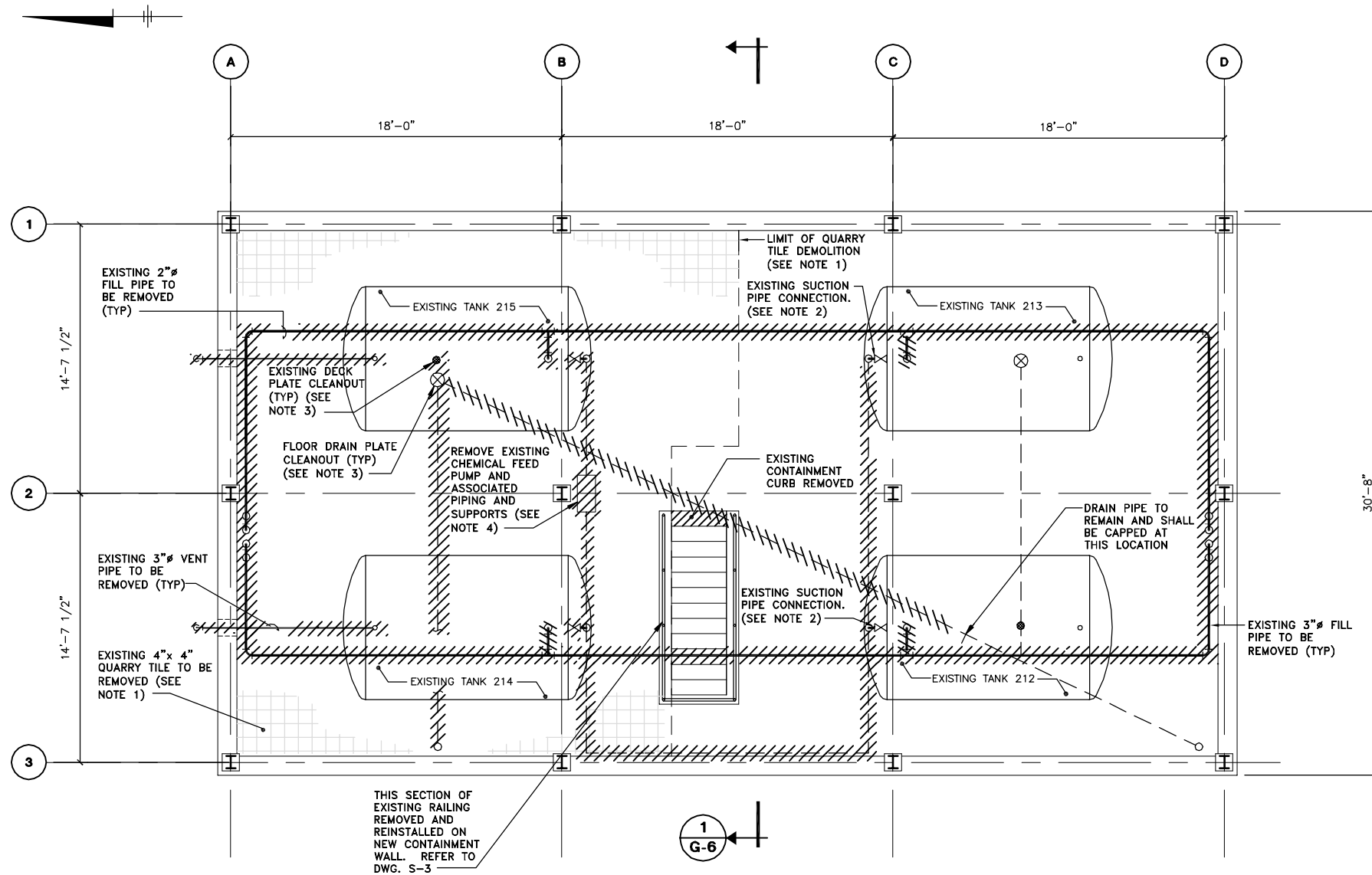
WORK REQUIRED BY CONTRACT NUMBERS 4A, 4B, 4C, AND 4D MAY BE SHOWN OR REFERENCED ON DRAWINGS OTHER THAN THEIR APPLICABLE DISCIPLINE.

LOCATION MAPS



BBL

BLASLAND, BOUCK & LEE, INC.
engineers & scientists



SECOND FLOOR PLAN

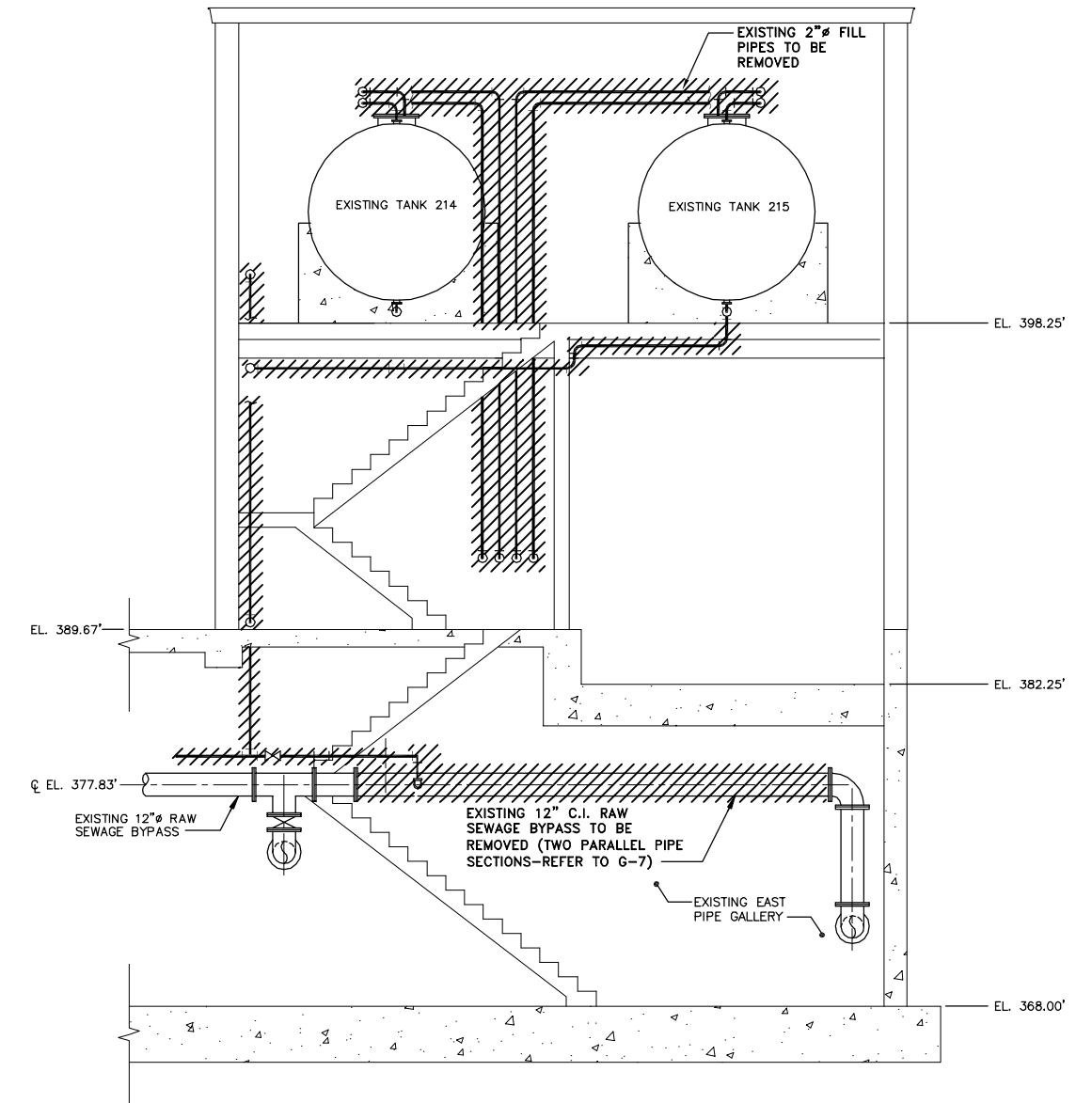
SCALE: 1/4"=1'-0"

NOTES:

1. QUARRY TILE SHALL BE REMOVED TO THE EXTENT OF THE NEW CONCRETE CONTAINMENT WALL. REFER TO S-4
2. BLIND FLANGE SHALL BE INSTALLED AT THE SUCTION PIPE CONNECTION (REMOVED) OF TANKS 213 AND 212.
3. EXISTING FLOOR DRAINS, DECK PLATE, CLEANOUTS, EXISTING PIPE PENETRATIONS, AND ELECTRICAL CONDUIT PENETRATIONS IN THE NEW CONTAINMENT AREA (REFER TO S-4) SHALL BE EPOXY GROUTED SOLID FLUSH WITH EXISTING FLOOR.
4. CONTRACT 4B-ELECTRICAL SHALL REMOVE ALL EXISTING ELECTRICAL CONDUITS, WIRING, CONTROL PANELS, AND OTHER ELECTRICAL COMPONENTS ASSOCIATED WITH THE EXISTING CHEMICAL FEED PUMP.

LEGEND:

- EXISTING PIPING AND ASSOCIATED SUPPORTS/HANGERS TO BE REMOVED.
- FLOOR DRAIN
- DECK PLATE CLEANOUT



SECTION 1

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

1
G-6

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-DJD/CONT-MVB
5/01 SYR-54 DCC
00364026/RECORD/00364006.DWG



NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

No.	Date	Revisions	Init

Project Mgr.	CJL
Designed by	WFF
Drawn by	GMS/RJM
Checked by	WFF
Prof. Eng.	DONALD GEISSER
PE License	N.Y. 57879

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

(RECORD DRAWING: MADE FROM DRAWING NO. G-6, FILE NO. 003.64.06F, DATED 1/99)
COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
BREWERTON, WETZEL ROAD AND BURNET AVENUE

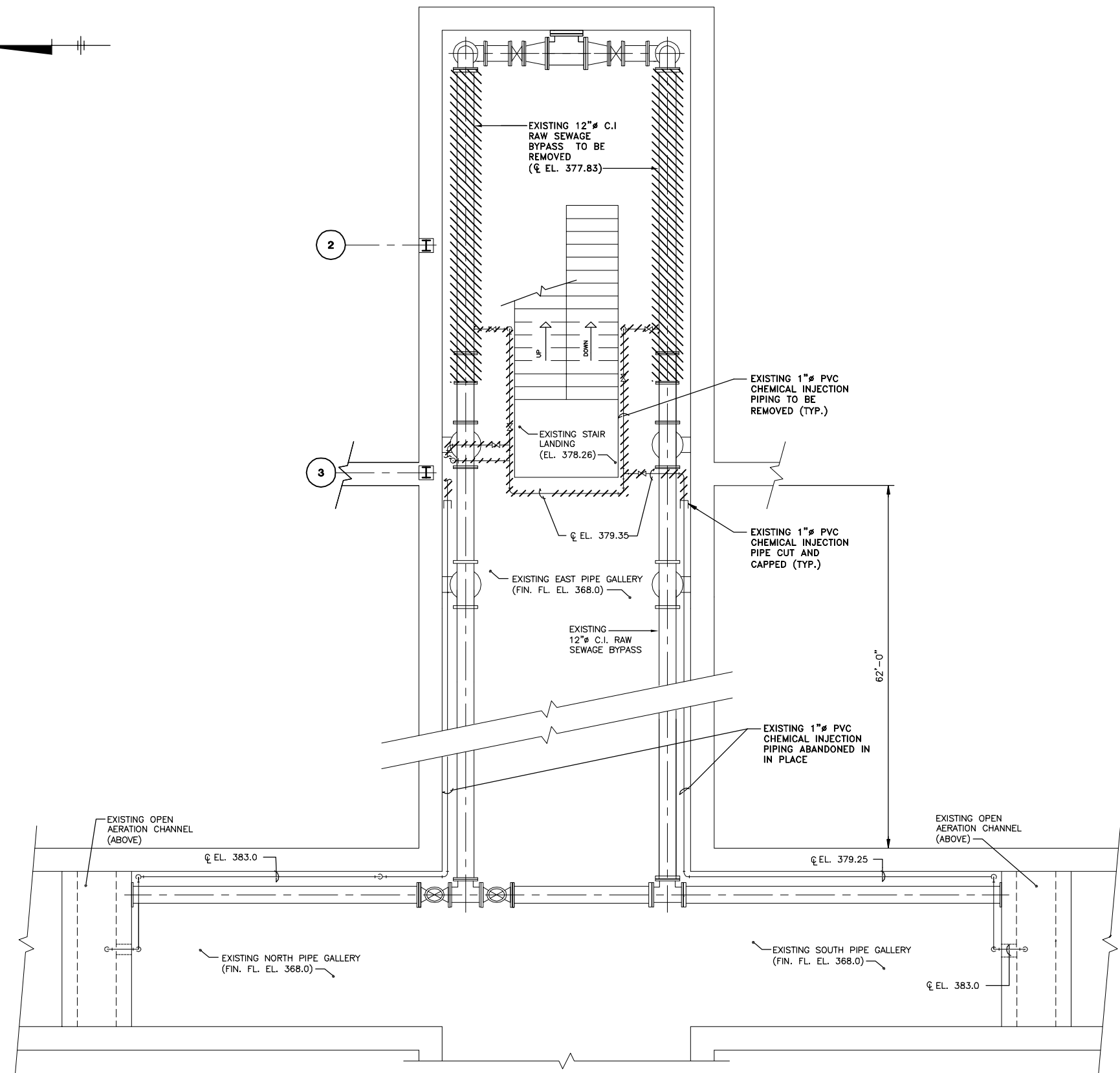
**BREWERTON WPCP
DEMOLITION PLAN AND SECTION**
MECHANICAL

File Number	003.64.65F
Date	MAY 2001
Blasland, Bouck & Lee, Inc. Corporate Headquarters 6723 Towpath Road Syracuse, NY 13214 315-446-9120	

G-6

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE,
INFORMATION AND BELIEF, THESE RECORD
DRAWINGS SUBSTANTIALLY REPRESENT
THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

DATE _____ BY _____



GALLERY LEVEL PLAN

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

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE,
INFORMATION AND BELIEF, THESE RECORD
DRAWINGS SUBSTANTIALLY REPRESENT
THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-DJD/CONT-MVB
5/01 SYR-54 DCC
00364026/RECORD/00364G07.DWG



NO ALTERATIONS PERMITTED HEREON EXCEPT
AS PROVIDED UNDER SECTION 7209 SUBDIVISION
2 OF THE NEW YORK STATE EDUCATION LAW

No.	Date	Revisions	Init

Project Mgr. CJL
Designed by WFF
Drawn by GMS/RJM
Checked by WFF
Prof. Eng. DONALD GEISSER
PE License N.Y. 57879



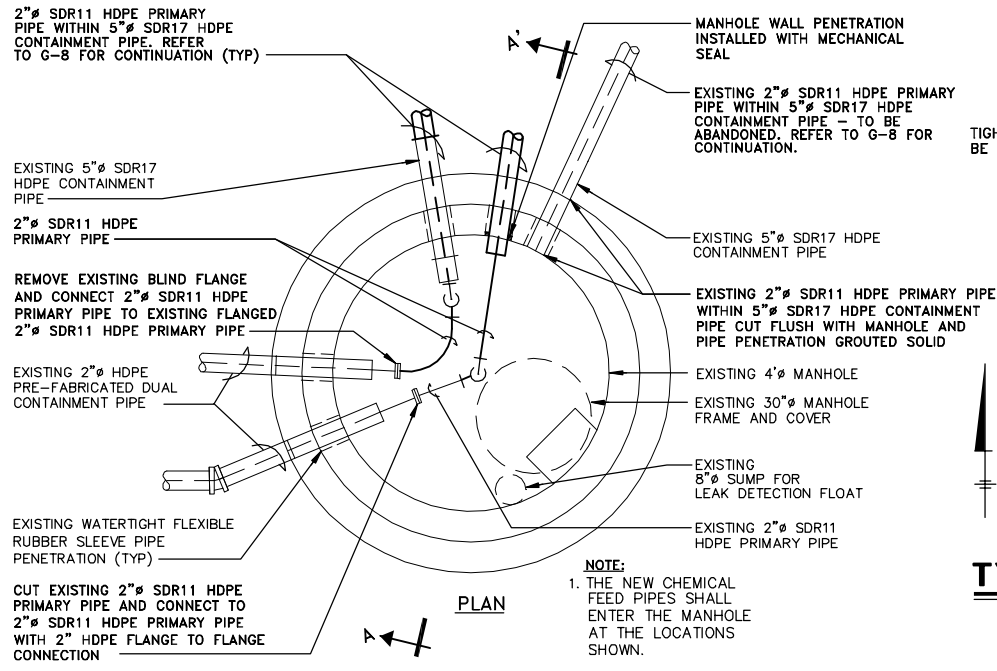
(RECORD DRAWING: MADE FROM DRAWING NO. G-7, FILE NO. 003.64.07F, DATED 1/99)

COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE – SENECA KNOLLS,
BREWERTON, WETZEL ROAD AND BURNET AVENUE

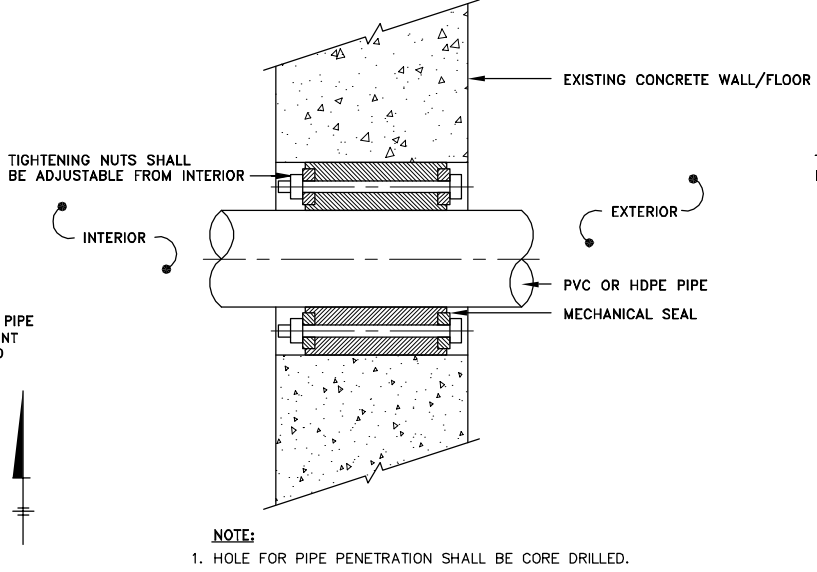
**BREWERTON WPCP
DEMOLITION PLAN**
MECHANICAL

DATE _____ BY _____
File Number
003.64.66F
Date
MAY 2001
Blasland, Bouck & Lee, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

G-7



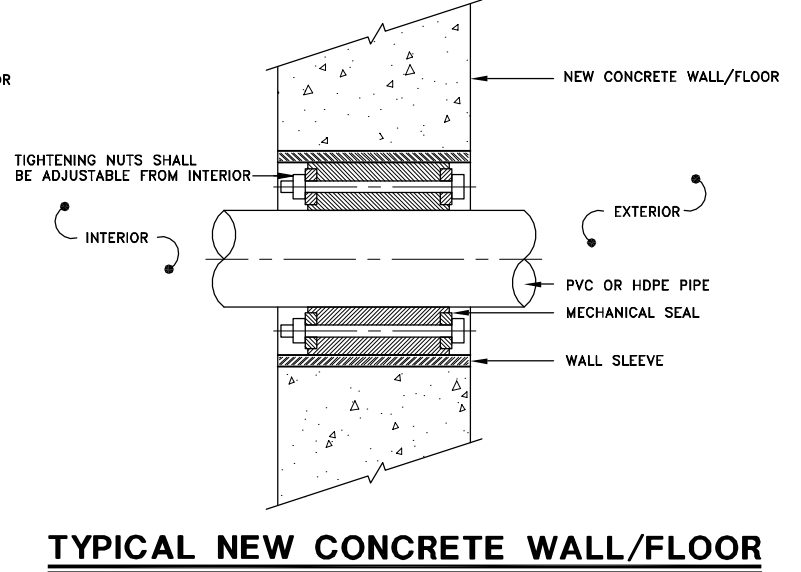
NOTE:
1. THE NEW CHEMICAL FEED PIPES SHALL ENTER THE MANHOLE AT THE LOCATIONS SHOWN.



NOTE:
1. HOLE FOR PIPE PENETRATION SHALL BE CORE DRILLED.

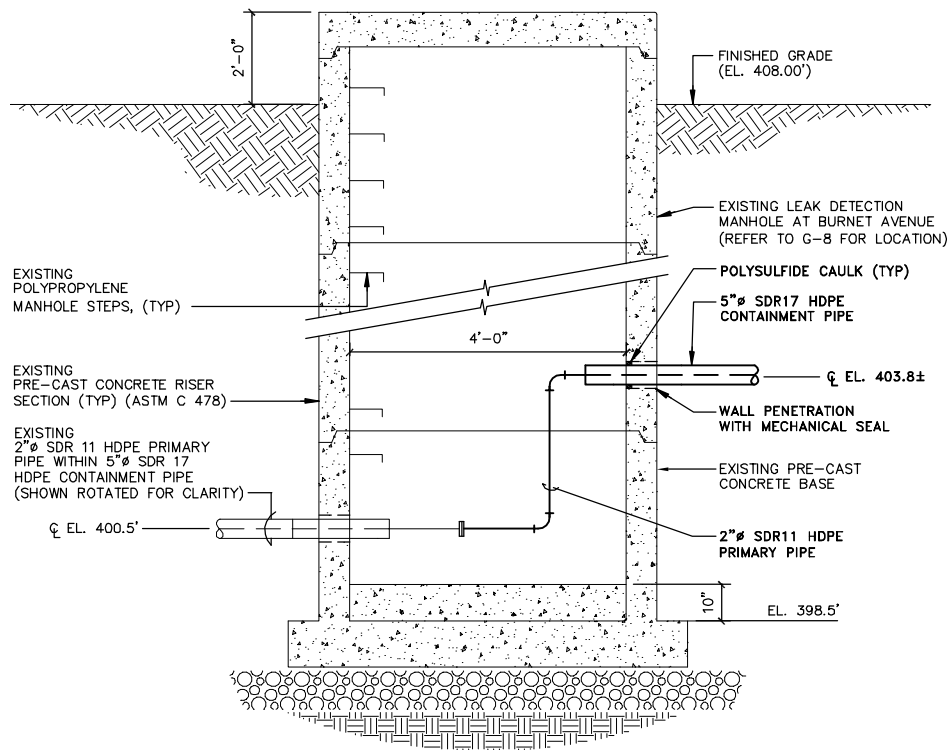
TYPICAL EXISTING CONCRETE WALL/FLOOR PIPE PENETRATION DETAIL

NOT TO SCALE



TYPICAL NEW CONCRETE WALL/FLOOR PIPE PENETRATION DETAIL

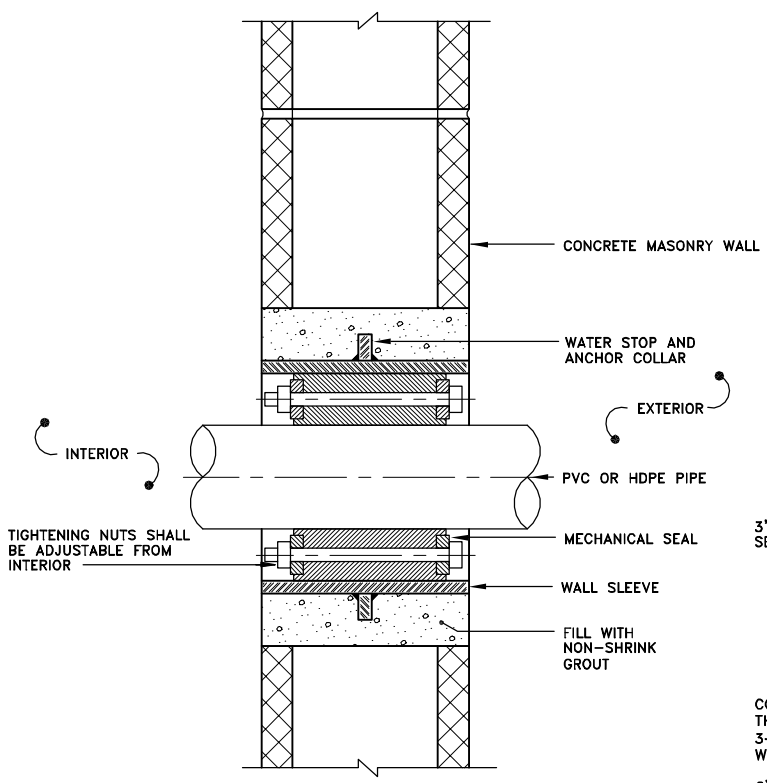
NOT TO SCALE



NOTE:
1. FLANGE GASKETS SHALL BE 1/8\"/>

BURNET AVENUE CHEMICAL FEED PIPE CONNECTION

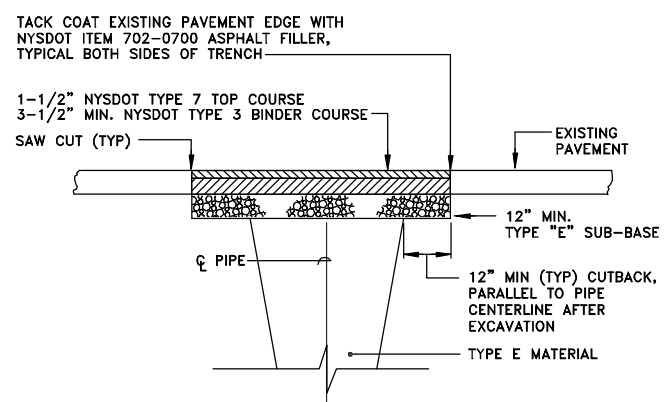
NOT TO SCALE



NOTE:
1. HOLE FOR PIPE PENETRATION SHALL BE CORE DRILLED.

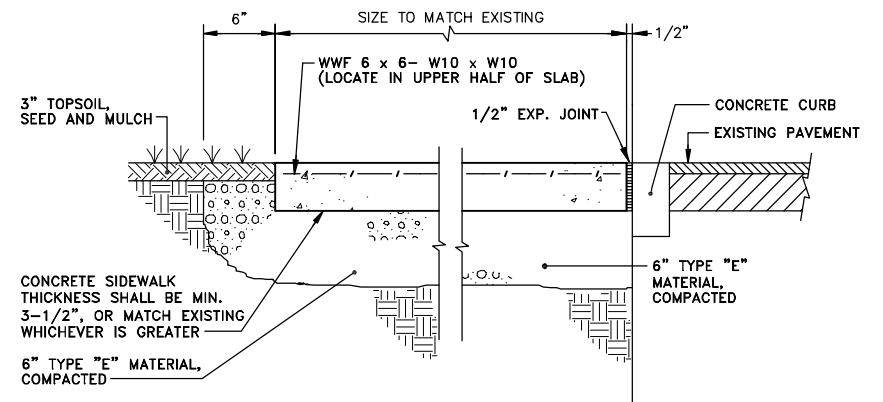
TYPICAL MASONRY BLOCK WALL PIPE PENETRATION DETAIL

NOT TO SCALE



BITUMINOUS PAVEMENT REPLACEMENT DETAIL

NOT TO SCALE



CONCRETE SIDEWALK RESTORATION DETAIL

NOT TO SCALE

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-D/D/CONT-MVB
5/01 SYR-54-DCC
00364026/RECORD/00364G09.DWG

No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
Designed by --- W.F.F. ---
Drawn by --- D.C.C./R.J.M. ---
Checked by --- C.J.L./W.F.F. ---
Prof. Eng. --- DONALD GEISSER ---
PE License --- N.Y. 57879 ---



(RECORD DRAWING: MADE FROM DRAWING NO. G-9, FILE NO. 003.64.09F, DATED 1/99)
COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
BREWERTON, WETZEL ROAD AND BURNET AVENUE

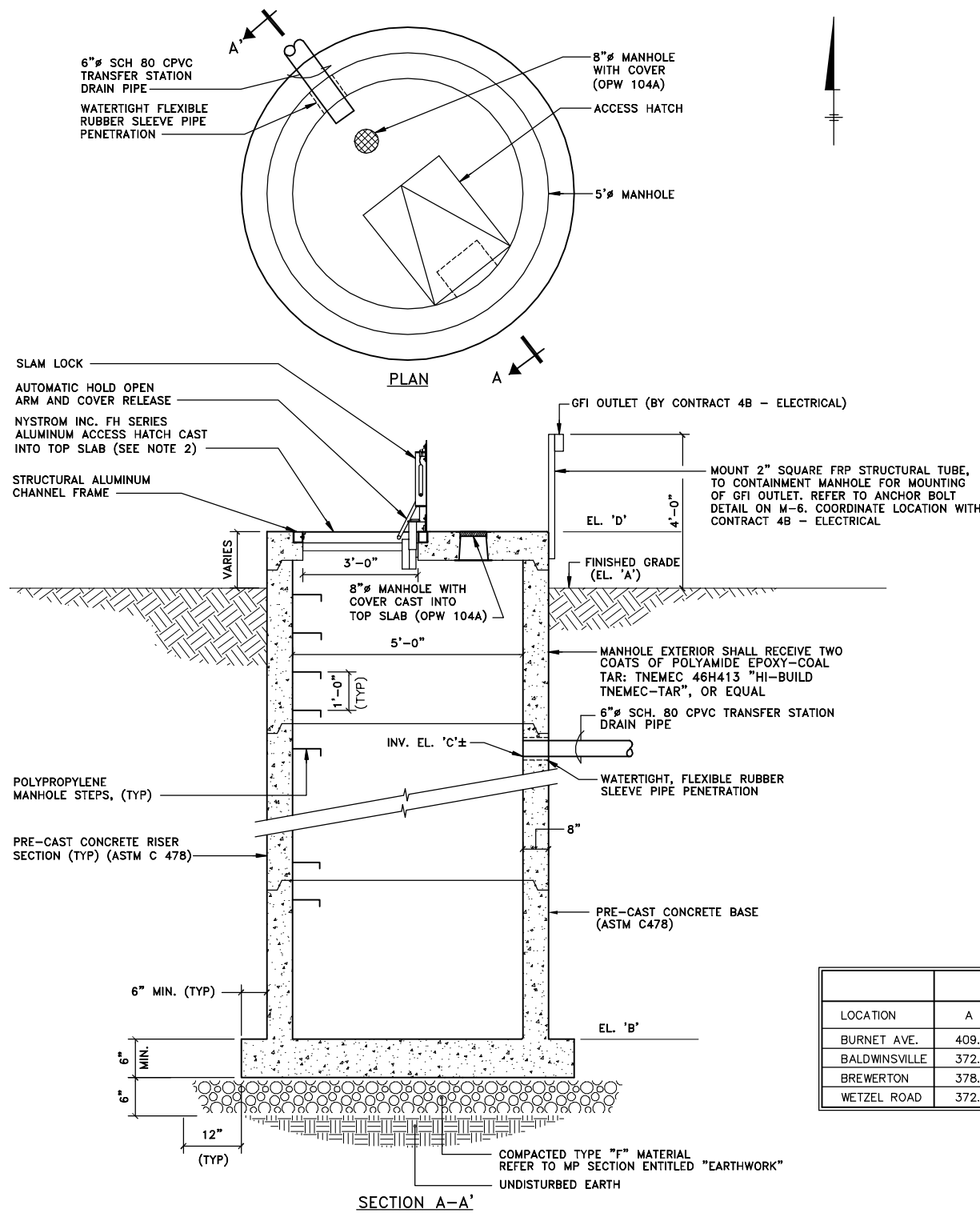
MISCELLANEOUS DETAILS I

GENERAL

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE,
INFORMATION AND BELIEF, THESE RECORD
DRAWINGS SUBSTANTIALLY REPRESENT
THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

File Number
003.64.68F
Date
MAY 2001
Blasland, Bouck & Lee, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

G-9



SLAM LOCK
 AUTOMATIC HOLD OPEN
 ARM AND COVER RELEASE
 NYSTROM INC. FH SERIES
 ALUMINUM ACCESS HATCH CAST
 INTO TOP SLAB (SEE NOTE 2)
 STRUCTURAL ALUMINUM
 CHANNEL FRAME

VARIES

3'-0"

8" MANHOLE WITH
 COVER CAST INTO
 TOP SLAB (OPW 104A)

5'-0"

1'-0" (TYP)

POLYPROPYLENE
 MANHOLE STEPS, (TYP)

PRE-CAST CONCRETE RISER
 SECTION (TYP) (ASTM C 478)

6" MIN. (TYP)

6" MIN.

12" (TYP)

GFI OUTLET (BY CONTRACT 4B - ELECTRICAL)

MOUNT 2" SQUARE FRP STRUCTURAL TUBE,
 TO CONTAINMENT MANHOLE FOR MOUNTING
 OF GFI OUTLET. REFER TO ANCHOR BOLT
 DETAIL ON M-6. COORDINATE LOCATION WITH
 CONTRACT 4B - ELECTRICAL

EL. 'D'

4'-0"

FINISHED GRADE
 (EL. 'A')

MANHOLE EXTERIOR SHALL RECEIVE TWO
 COATS OF POLYAMIDE EPOXY-COAL
 TAR: TNEMEC 46H413 "HI-BUILD
 TNEMEC-TAR", OR EQUAL

6" SCH. 80 CPVC TRANSFER STATION
 DRAIN PIPE

WATERTIGHT, FLEXIBLE RUBBER
 SLEEVE PIPE PENETRATION

8"

PRE-CAST CONCRETE BASE
 (ASTM C478)

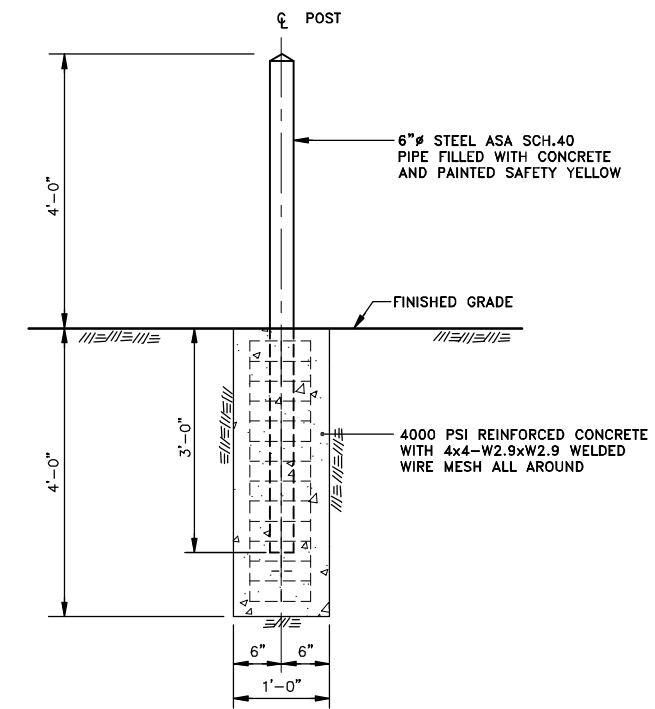
EL. 'B'

- NOTES:**
- REFER TO MP SECTION ENTITLED "PRECAST CONCRETE MANHOLES" FOR FURTHER DETAILS.
 - ACCESS HATCH SHALL HAVE 3'-0"x3'-0" CLEAR INSIDE OPENING AND BE DESIGNED TO WITHSTAND H2O LOADING. REFER TO MP SECTION ENTITLED "MISCELLANEOUS METALS".
 - REFER TO PLANS ON G-1, S-2 AND S-6 FOR ACTUAL LOCATION AND ORIENTATION.

CONTAINMENT MANHOLE DETAIL

NOT TO SCALE

LOCATION	ELEVATION			
	A	B	C	D
BURNET AVE.	409.0	401.3	404.3	411.7
BALDWINVILLE	372.0	364.0	367.2	372.0
BREWERTON	378.1	370.9	374.0	379.1
WETZEL ROAD	372.1	365.7	369.1	373.6



PIPE BOLLARD DETAIL

NOT TO SCALE

X: 00364X00.DWG
 L: ON=*, OFF=REF
 P: CONT-D,JD/CONT-MVB
 5/01 SYR-54-DCC
 00364026/RECORD/00364G10.DWG

RECORD DRAWINGS
 TO THE BEST OF OUR KNOWLEDGE,
 INFORMATION AND BELIEF, THESE RECORD
 DRAWINGS SUBSTANTIALLY REPRESENT
 THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

(RECORD DRAWING: MADE FROM DRAWING NO. G-10, FILE NO. 003.64.44F, DATED 1/99) DATE _____ BY _____

Graphic Scale

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
 Designed by --- W.F.F. ---
 Drawn by --- D.C.C. ---
 Checked by --- C.J.L./W.F.F. ---
 Prof. Eng. --- DONALD GEISSER ---
 PE License --- N.Y. 57879 ---

BBL
 BLASLAND, BOUCK & LEE, INC.
 engineers & scientists

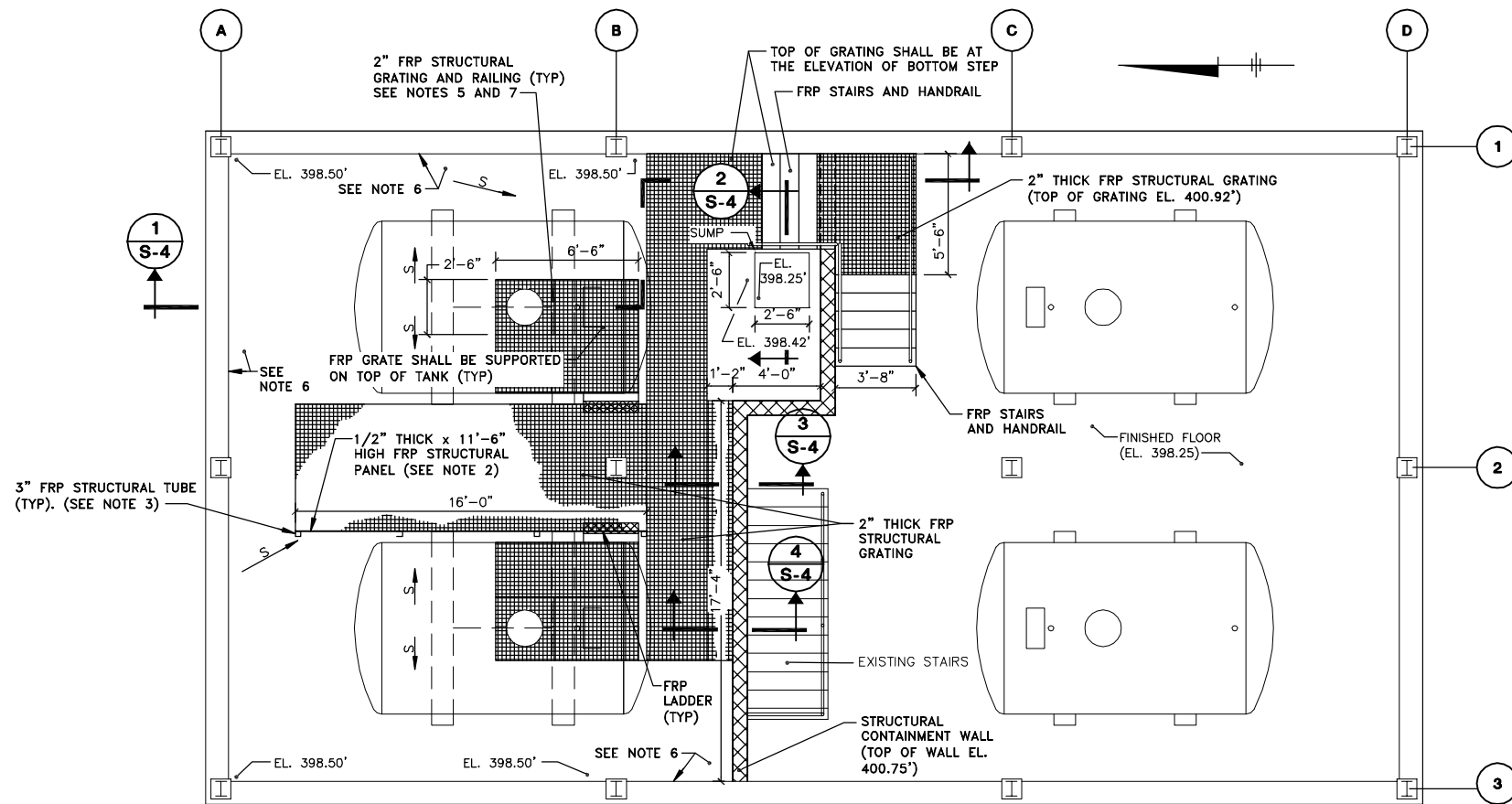
COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
 CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
 BREWERTON, WETZEL ROAD AND BURNET AVENUE

MISCELLANEOUS DETAILS II

GENERAL

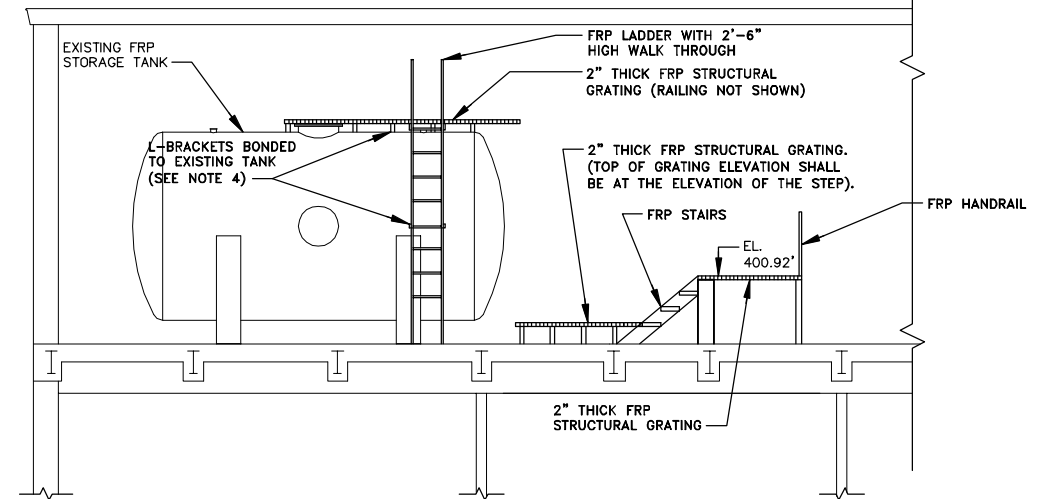
File Number
 003.64.69F
 Date
 MAY 2001
 Blasland, Bouck & Lee, Inc.
 Corporate Headquarters
 6723 Towpath Road
 Syracuse, NY 13214
 315-446-9120

G-10



PLAN

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

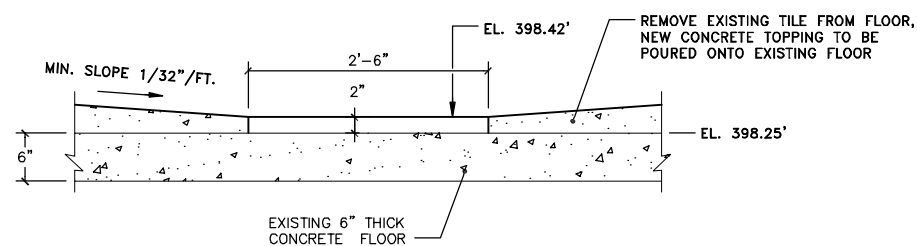


SECTION 1

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

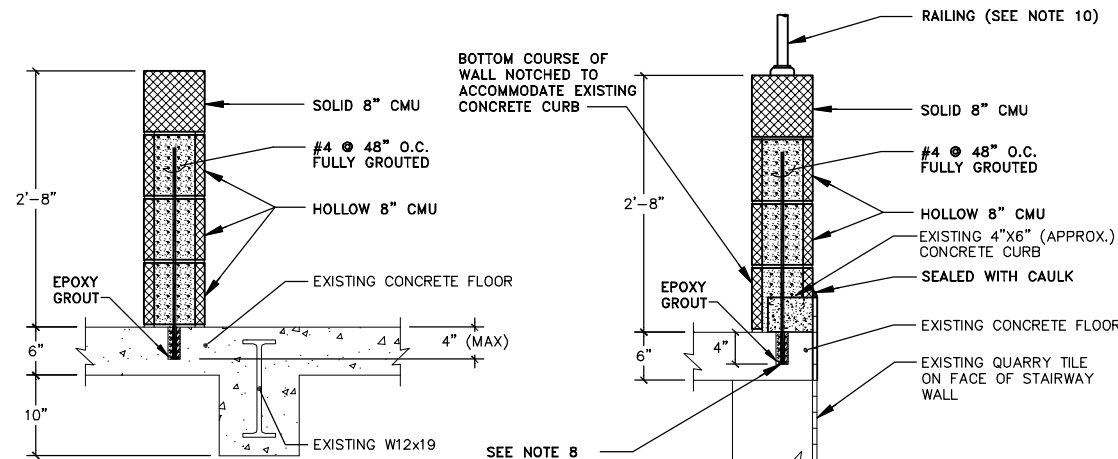
NOTES:

- CONTRACTOR SHALL POUR A NEW CONCRETE TOPPING TO THE EXISTING FLOOR, SLOPED TO DRAIN TO THE NEW SUMP.
- NEW FRP STRUCTURAL PANEL SHALL BE SECURELY FASTENED TO EXISTING STORAGE TANK CONCRETE SADDLE IN ACCORDANCE WITH THE ANCHOR BOLT DETAIL ON M-6.
- CONTRACTOR SHALL PROVIDE ADDITIONAL 3"x11'-6" LONG FRP STRUCTURAL TUBE AT EACH LOCATION WHERE THE PUMP SHELF SHALL BE ATTACHED TO THE FRP STRUCTURAL PANEL.
- FRP L-BRACKETS SHALL BE SECURELY BONDED TO THE EXISTING STORAGE TANK FOR FASTENING THE NEW FRP LADDER AND FRP GRATE.
- CONTRACTOR SHALL PROVIDE OPENINGS IN FRP GRATE FOR ACCESS TO TANK LEVEL SENSORS. REFER TO M-3 FOR LOCATIONS.
- FOLLOWING INSTALLATION OF NEW CONTAINMENT WALL AND FLOOR TOPPING, ENTIRE CONTAINMENT FLOOR AND WALLS, SHALL BE COATED IN ACCORDANCE WITH SECTION 3.08.B.7 OF MP-SECTION ENTITLED "PAINTING", TO A LEVEL EQUAL TO THE TOP OF THE NEW CONTAINMENT WALL.
- RAILINGS SHALL BE PROVIDED ON EAST AND WEST SIDE OF GRATING ONLY. PROVIDE SAFETY CHAIN ACCESS OPENING AT NORTH END OF GRATING FOR FALL PROTECTION. REFER TO MP SECTION ENTITLED "MISCELLANEOUS METALS."
- DRILL DOWELS THROUGH EXISTING CURB AS SHOWN.
- REFER TO "CMU WALL DETAIL" ON DRAWING A-4 FOR CONTAINMENT WALL REINFORCEMENT REQUIREMENTS.
- THE EXISTING RAILING REMOVED AND REINSTALLED ALONG THE TOP OF THE WALL.



SECTION 2

SCALE: 1"=1'-0"



SECTION 3

NOT TO SCALE

SECTION 4

NOT TO SCALE

X: 00364X00.DWG
 L: ON=*, OFF=REF
 P: CONT-D/J/CONT-MVB
 5/01 SYR-54 DCC
 00364026/RECORD/00364S04.DWG

No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
Designed by --- WRH/JDS ---
Drawn by --- GMS ---
Checked by --- C.J.L./WFF ---
Prof. Eng. --- DONALD GEISSER ---
PE License --- N.Y. 57879 ---

BBL
 BLASLAND, BOUCK & LEE, INC.
 engineers & scientists

(RECORD DRAWING: MADE FROM DRAWING NO. M-9, FILE NO. 077.11.13F, DATED 11/99)

COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
 CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
 BREWERTON, WETZEL ROAD AND BURNET AVENUE

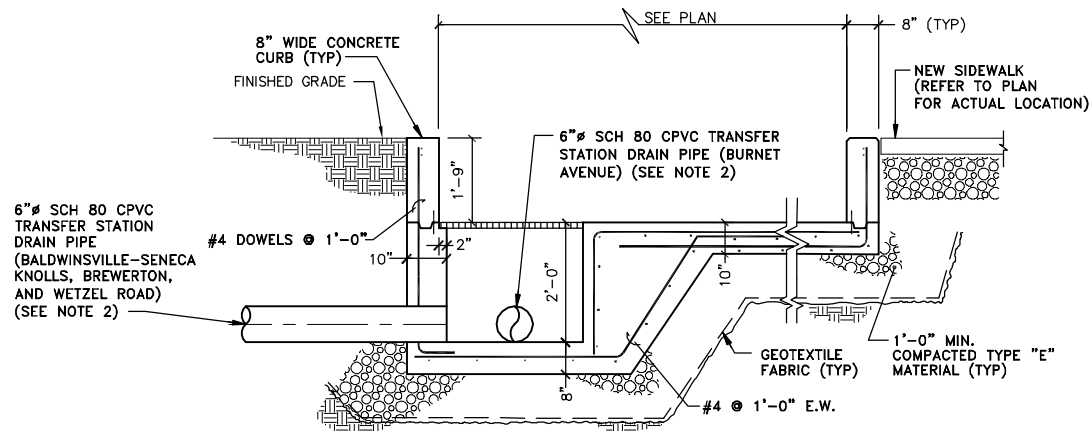
BREWERTON WPCP
STRUCTURAL PLAN AND SECTIONS

STRUCTURAL

RECORD DRAWINGS
 TO THE BEST OF OUR KNOWLEDGE,
 INFORMATION AND BELIEF, THESE RECORD
 DRAWINGS SUBSTANTIALLY REPRESENT
 THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

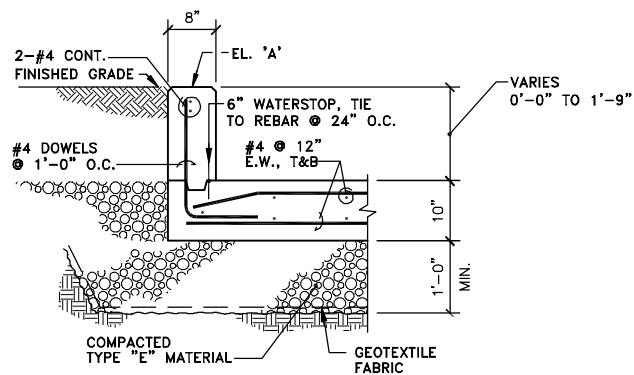
File Number 003.64.77F
Date MAY 2001
Blasland, Bouck & Lee, Inc. Corporate Headquarters 6723 Towpath Road Syracuse, NY 13214 315-446-9120

S-4

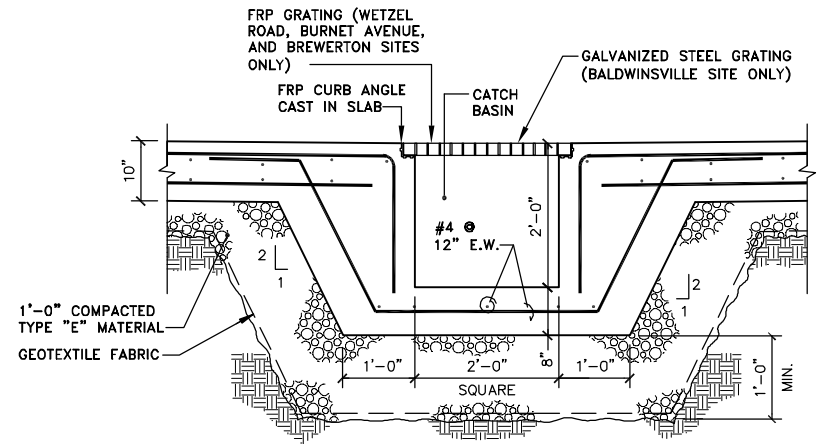


- NOTES:**
1. SIDEWALK SHOWN LOCATED ON OPPOSITE SIDE OF TRANSFER STATION FOR SECTION 1 ON S-6.
 2. TRANSFER STATION DRAIN PIPE SHALL BE SLOPED 1/8" PER FOOT TO CONTAINMENT MANHOLE.

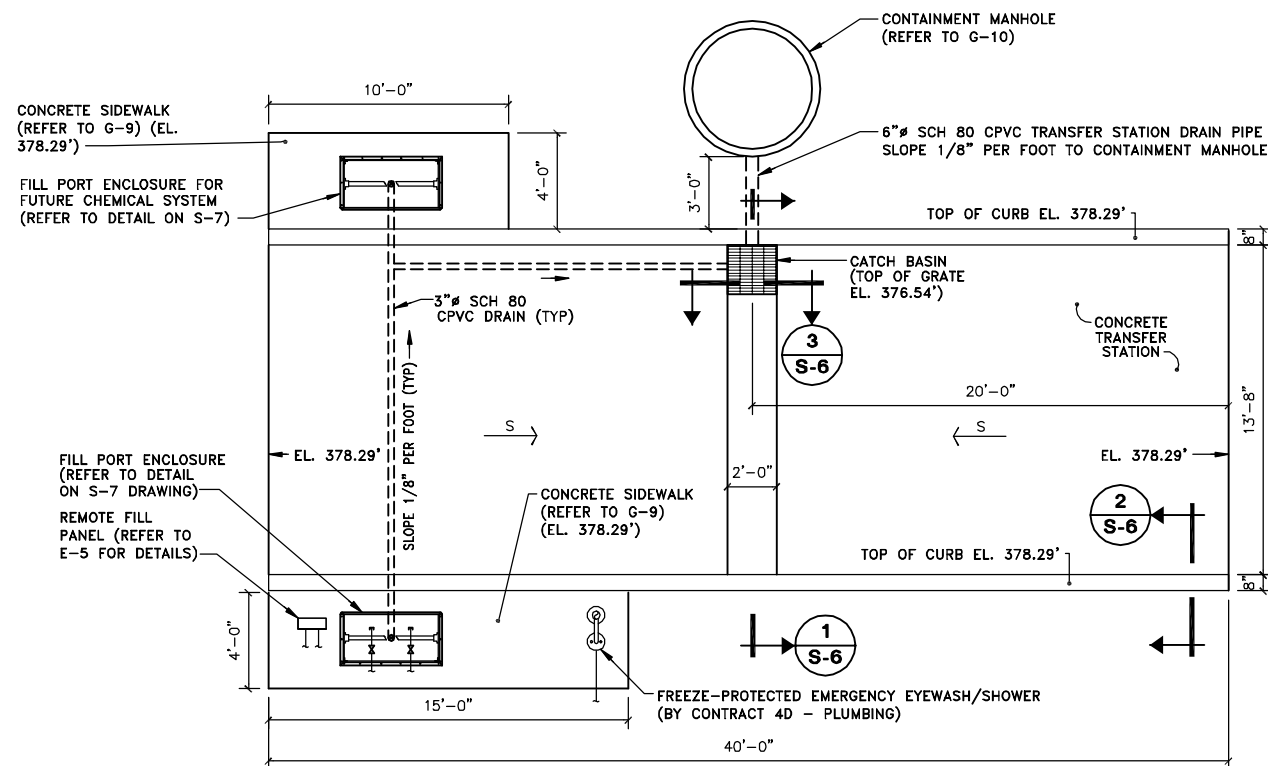
SECTION 1
SCALE: 3/4"=1'-0"
S-2 S-6 G-1
NOT TO SCALE



SECTION 2
SCALE: 3/4"=1'-0"
S-2 S-6 G-1

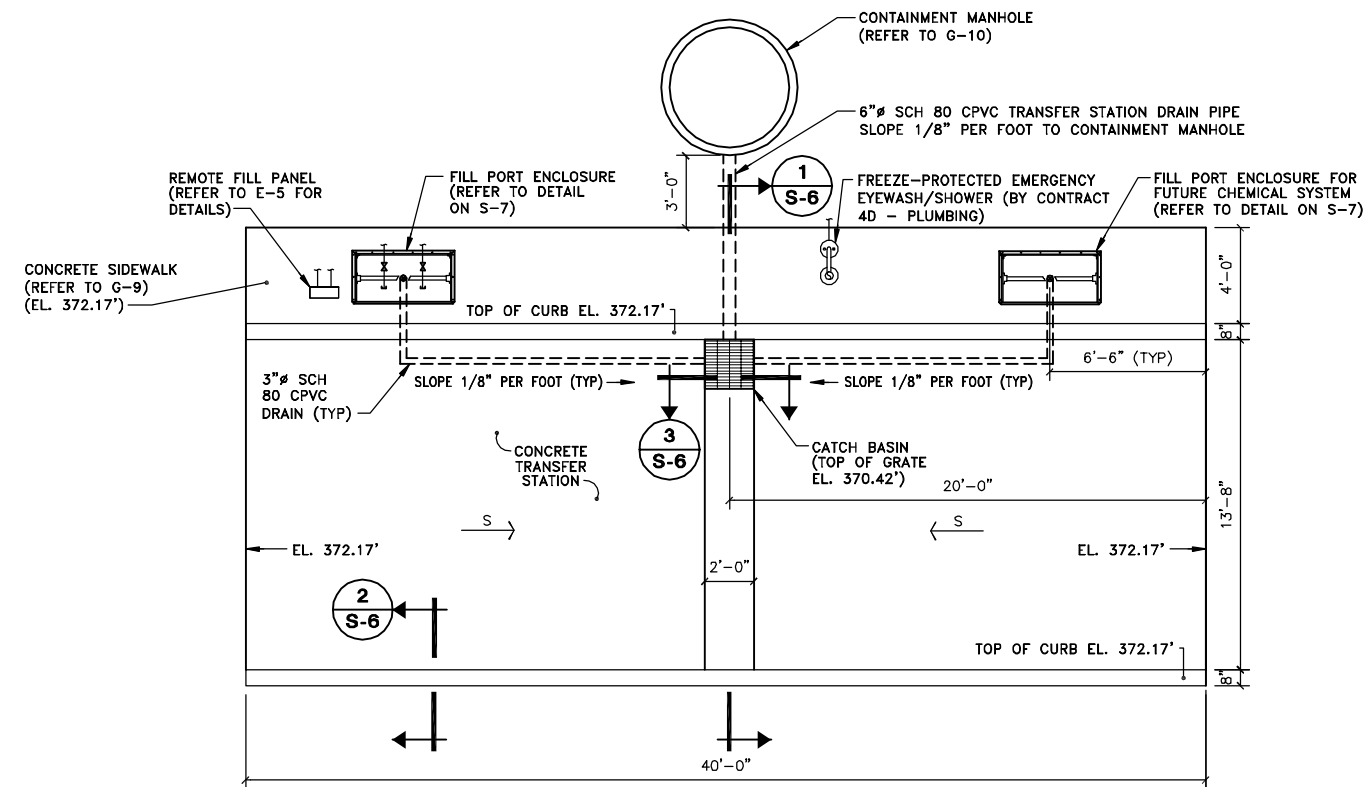


SECTION 3
SCALE: 3/4"=1'-0"
S-2 S-6 G-1



BREWERTON TRANSFER STATION PLAN
SCALE: 1/4"=1'-0"

- NOTES:**
1. ALL CONCRETE SHALL BE CLASS 'B' AND HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
 2. REFER TO G-9 FOR CONCRETE SIDEWALK DETAILS.
 3. REFER TO G-3 FOR LOCATION OF BALDWINVILLE-SENECA KNOLLS TRANSFER STATION AND CONTINUATION OF FILL PIPES, ELECTRICAL CONDUITS AND WATER SERVICE TO EYEWASH/SHOWER. REFER TO G-5 FOR LOCATION OF BREWERTON TRANSFER STATION AND CONTINUATION OF FILL PIPES, ELECTRICAL CONDUITS AND WATER SERVICE TO EYEWASH/SHOWER.
 4. BOLLARDS, ELECTRICAL CONDUIT AND GFI RECEPTACLES NOT SHOWN FOR CLARITY. REFER TO G-3 AND G-5 FOR LOCATIONS.



BALDWINVILLE-SENECA KNOLLS TRANSFER STATION PLAN
SCALE: 1/4"=1'-0"

X: 00364X00.DWG
L: ON=*, OFF=*REF*
P: CONT-DJD/CONT-MVB
5/01 SYR-54 DCC
00364026/RECORD/00364506.DWG

Graphic Scale	No.	Date	Revisions	Init
1/4"=1'-0"				
3/4"=1'-0"				
NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW				

No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
Designed by --- WRH/JDS ---
Drawn by --- R.J.M. ---
Checked by --- C.J.L./W.F.F. ---
Prof. Eng. --- DONALD GEISSER ---
PE License --- N.Y. 57879 ---

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

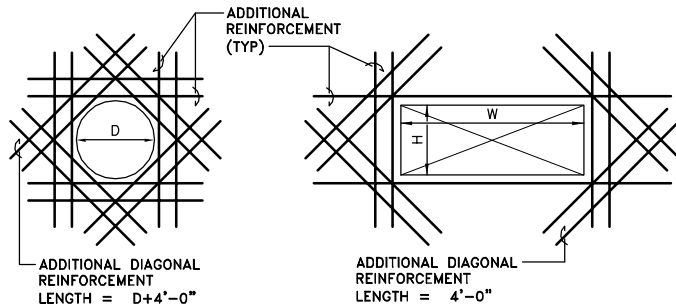
(RECORD DRAWING: MADE FROM DRAWING NO. S-6, FILE NO. 003.64.19F, DATED 1/99)
COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
BREWERTON, WETZEL ROAD AND BURNET AVENUE

**TRANSFER STATIONS
PLANS AND SECTIONS**
STRUCTURAL

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE,
INFORMATION AND BELIEF, THESE RECORD
DRAWINGS SUBSTANTIALLY REPRESENT
THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

File Number 003.64.79F
Date MAY 2001
Blasland, Bouck & Lee, Inc. Corporate Headquarters 6723 Towpath Road Syracuse, NY 13214 315-446-9120

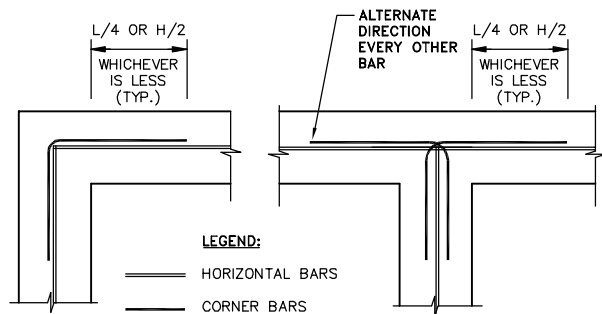
S-6



- NOTES:**
- PROVIDE ADDITIONAL REINFORCEMENT WHEN OPENING SIZE (D, W, OR H) IS EQUAL TO OR GREATER THAN SPECIFIED BAR SPACING.
 - EXTEND REINFORCEMENT A MINIMUM OF 48 BAR DIAMETERS BEYOND THE FACE OF THE OPENING
 - PROVIDE ON HALF THE AREA OF CUT BARS, EACH SIDE, MINIMUM 2 #4 @ 6" E.F.
 - PROVIDE ADDITIONAL DIAGONAL REINFORCEMENT AT ALL OPENINGS.
 - OPENINGS (D, H, OR W) UP TO 1'-0": 2 #4 @ 6" E.F.
 - OPENINGS (D, H, OR W) UP TO 2'-0": 2 #5 @ 6" E.F.
 - OPENINGS (D, H, OR W) UP TO 4'-0": 2 #6 @ 6" E.F.
 - OPENINGS (D, H, OR W) GREATER THAN 4'-0": PROVIDE ONE HALF THE AREA OF CUT BARS, EACH CORNER, MINIMUM 2 #6 @ 6" E.F.

ADDITIONAL REINFORCING AT WALL & SLAB OPENINGS

NOT TO SCALE

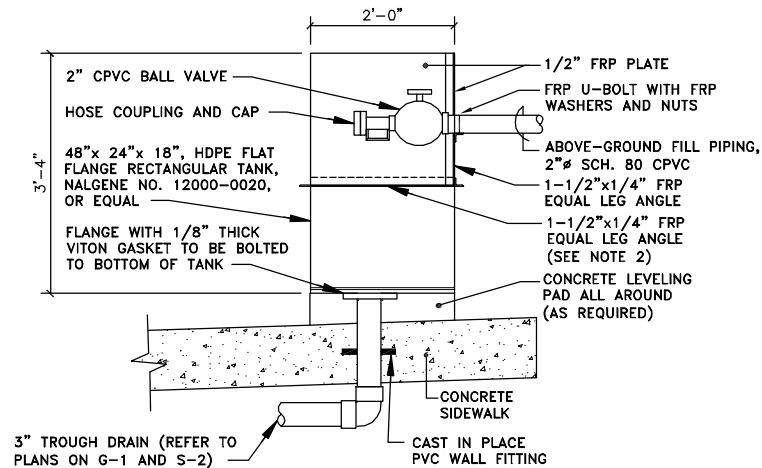


LEGEND:

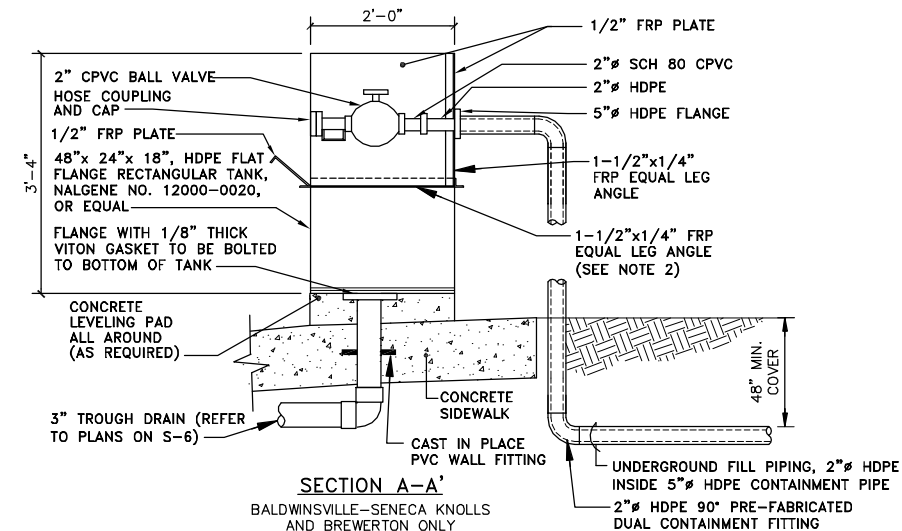
- HORIZONTAL BARS
 - CORNER BARS
- NOTES:**
- L = DISTANCE TO ADJACENT CORNER OR INTERSECTION
 - H = WALL HEIGHT
 - VERTICAL BARS NOT SHOWN
 - AT CONSTRUCTION JOINTS LAP BARS A MIN. 48 BAR DIA.

WALL REINFORCING AT INTERSECTIONS

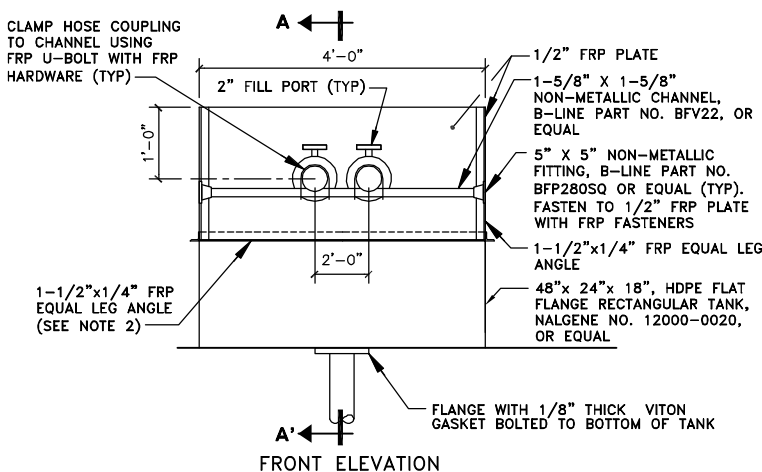
SCALE: 1/2" = 1'-0"



SECTION A-A'
WETZEL ROAD AND BURNET AVENUE ONLY



SECTION A-A'
BALDWINVILLE-SENECA KNOLLS AND BREWERTON ONLY

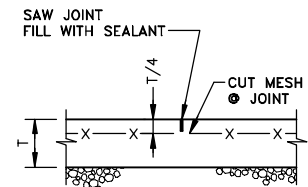


FRONT ELEVATION

- NOTES:**
- CONTRACTOR SHALL FABRICATE A THREE SIDED SHIELD BY BONDING 1/2" FRP PLATE TO 1-1/2"x 1/4" FRP ANGLES.
 - THREE SIDED SHIELD SHALL THEN BE FASTENED TO THE FLAT-FLANGE RECTANGULAR TANK USING FRP FASTENERS AT 8" O.C. WITH A 1/8" THICK VITON GASKET.
 - FILL PIPES SHALL NOT BE PROVIDED FOR FILL PORT ENCLOSURES WHICH ARE DESIGNATED FOR FUTURE CHEMICAL SYSTEMS.

FILL PORT ENCLOSURE DETAIL

NOT TO SCALE

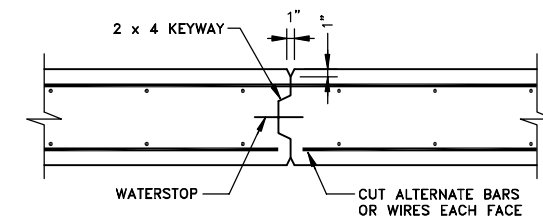


NOTE:

SAW JOINT WITHIN 24 HOURS AFTER CONCRETE PLACEMENT. SEE PLAN FOR SLAB THICKNESS (T).

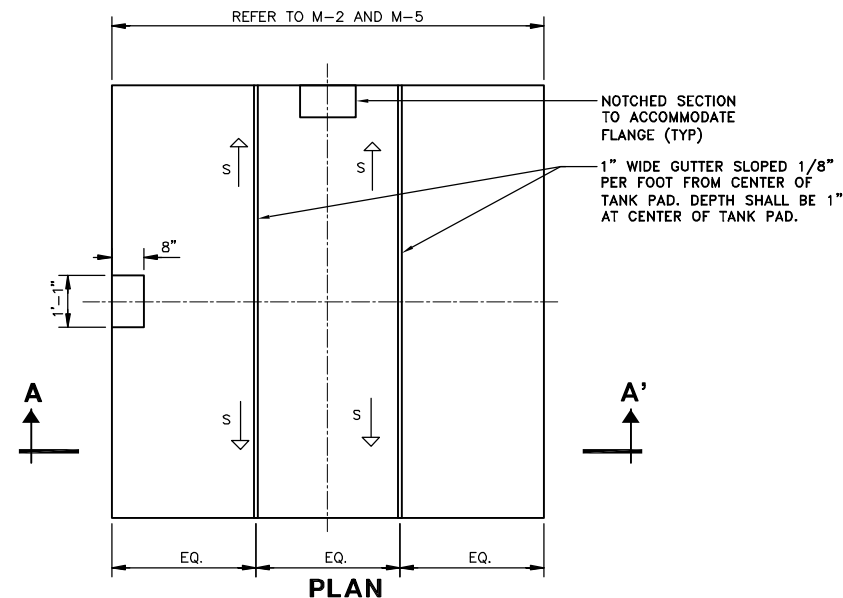
TYPICAL SLAB CONTROL JOINT

SCALE: 1" = 1'-0"

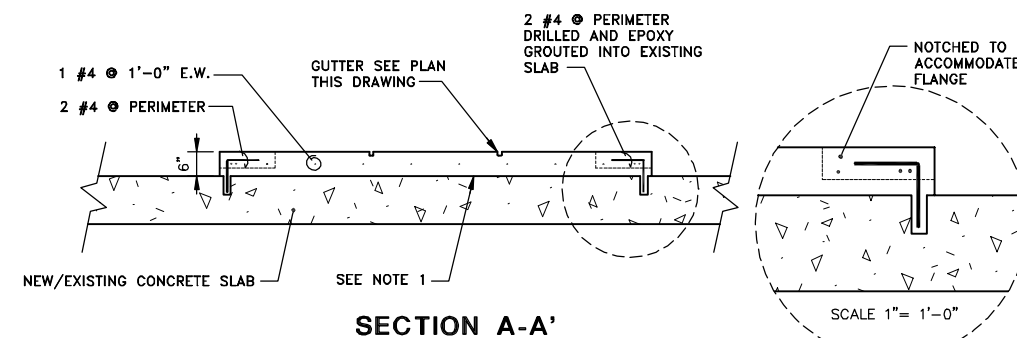


TYPICAL FLOOR CONSTRUCTION JOINT

SCALE: 1" = 1'-0"



PLAN



SECTION A-A'

NOTE:

- EXISTING CONCRETE SLAB SHALL BE PROPERLY PREPARED PRIOR TO PLACEMENT OF NEW CONCRETE. ABRASE SURFACE OF EXISTING CONCRETE TO EXPOSE A CLEAN SURFACE OF SOUND CONCRETE, AND APPLY BONDING COMPOUND IN ACCORDANCE WITH THE MP SECTION ENTITLED "CONCRETE".

TYPICAL CONCRETE TANK PAD DETAIL

SCALE 1/2" = 1'-0"

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-D, J/CONT-MVB
5/01 SYR-54 DCC
00364026/RECORD/00364S07.DWG

Graphic Scale	No.	Date	Revisions	Init
1/2"=1'-0"				
1"=1'-0"				

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

Project Mgr. --- C_JL ---
Designed by --- W_F ---
Drawn by --- R_J_M ---
Checked by --- W_R_H/J_D_S ---
Prof. Eng. --- D_O_N_A_L_D_G_E_I_S_S_E_R ---
PE License --- N_Y_57879 ---

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

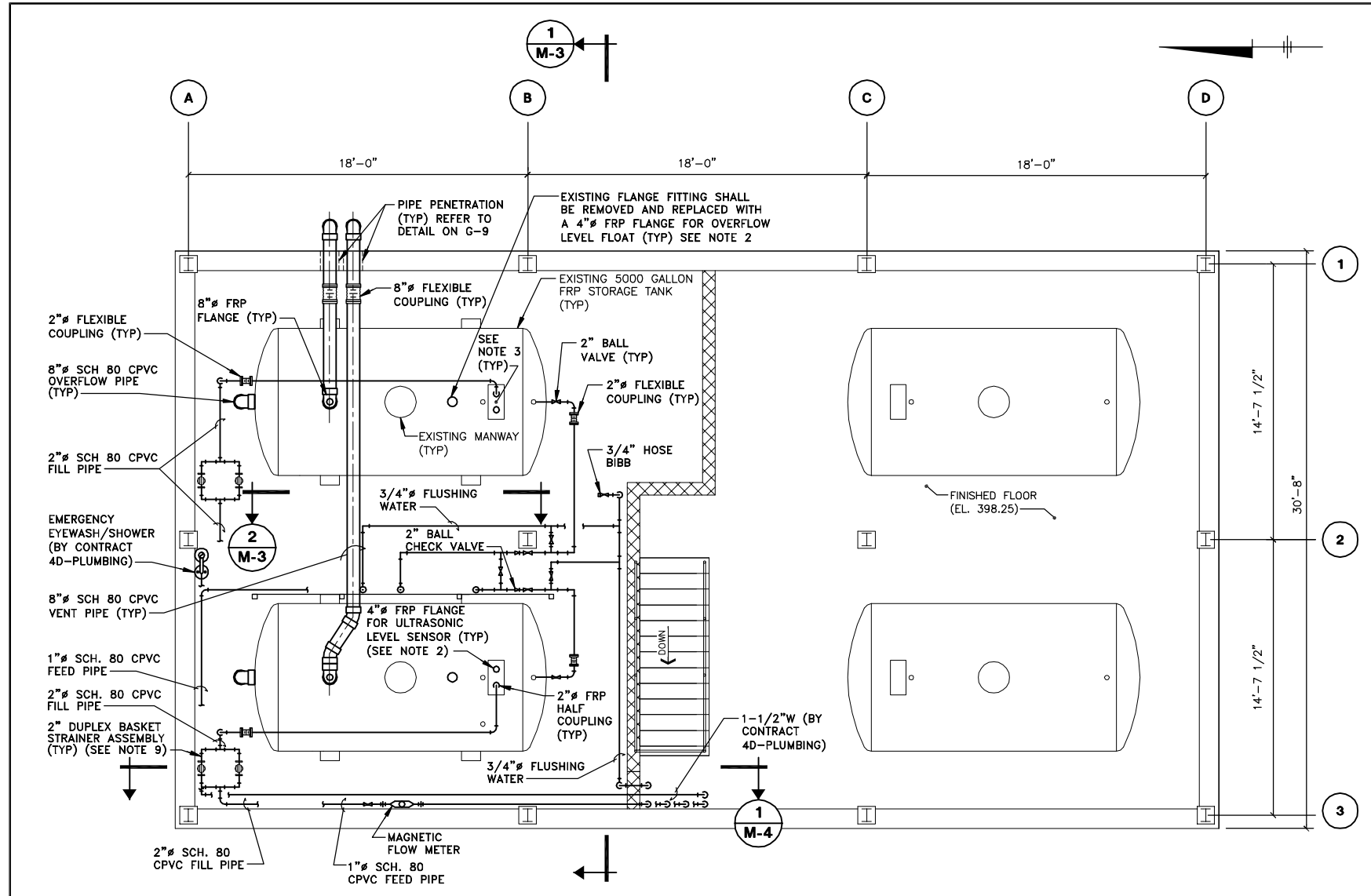
(RECORD DRAWING: MADE FROM DRAWING NO. S-7, FILE NO. 003.64.20F, DATED 1/99)
COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE – SENECA KNOLLS, BREWERTON, WETZEL ROAD AND BURNET AVENUE

MISCELLANEOUS DETAILS

STRUCTURAL

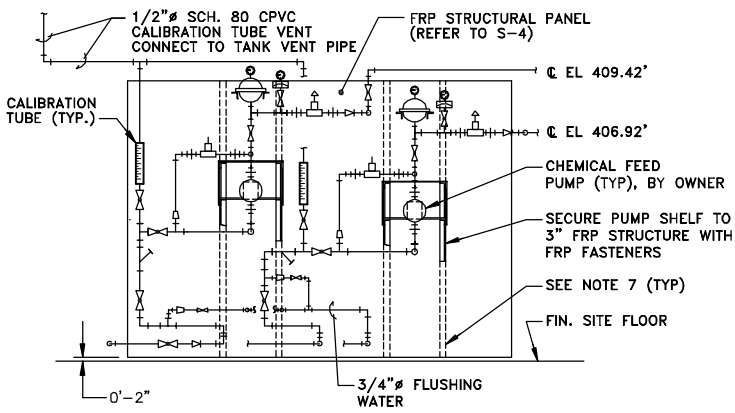
DATE _____ BY _____
File Number 003.64.80F
Date MAY 2001
Blasland, Bouck & Lee, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

S-7

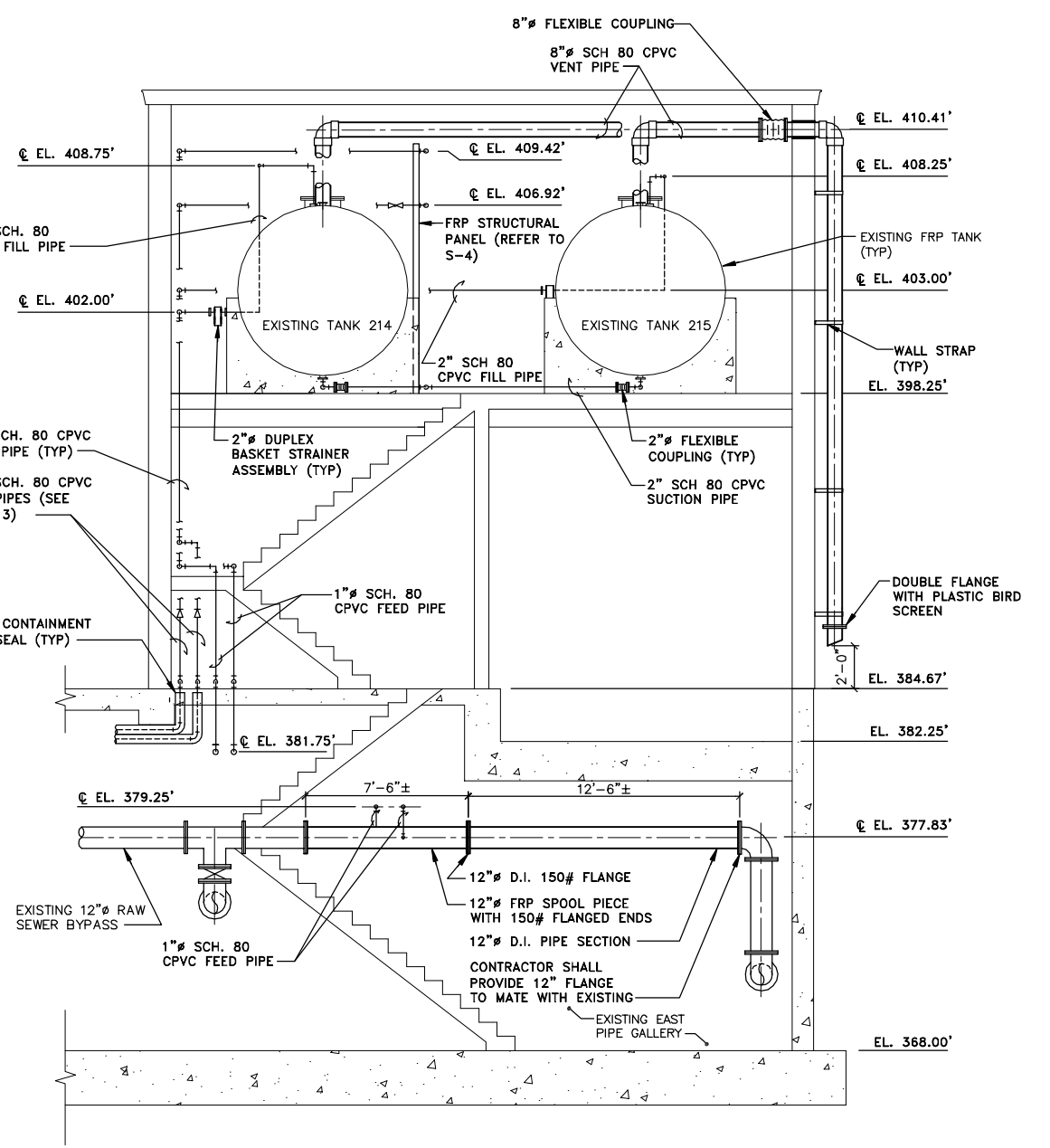


- NOTES:**
- NEW CHEMICAL FEED PUMPS, PIPING AND APPURTENANCES NOT SHOWN FOR CLARITY, REFER TO PARTIAL ELEVATION THIS SHEET FOR DETAILS.
 - REFER TO E-5 FOR MOUNTING DETAILS FOR LEVEL TRANSMITTERS AND LEVEL FLOATS.
 - REUSE EXISTING TANK PENETRATIONS WHERE POSSIBLE. ALL EXISTING UNUSED TANK FITTINGS SHALL BE REMOVED AND HOLES IN TANK SHALL BE REPAIRED.
 - REFER TO RD-3 FOR CHEMICAL FEED SYSTEM PROCESS SCHEMATIC AND PROCESS PIPING SYMBOL DEFINITIONS.
 - CONTRACTOR SHALL CONNECT 3/4" FLUSHING WATER TO EXISTING WATER SUPPLY AT FLOOR ELEVATION 384.57' A 3/4" RPZ BACKFLOW PREVENTER SHALL BE FURNISHED AND INSTALLED UNDER CONTRACT 4D - PLUMBING.
 - CONTRACT 4D-PLUMBING SHALL CONNECT 1-1/2"W TO EXISTING WATER SUPPLY PIPING AT FLOOR ELEVATION 384.57'
 - 3" SQUARE FRP STRUCTURAL TUBING SHALL BE SECURELY BONDED TO THE OPPOSITE SIDE OF THE FRP STRUCTURAL PANEL FOR FASTENING THE PUMP SHELVES.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING ALL CHEMICAL FEED SYSTEM COMPONENTS, SHOWN ON, AND IN ACCORDANCE WITH, THE TYPICAL CHEMICAL FEED SYSTEM PROCESS SCHEMATIC ON M-7.
 - CONTRACTOR SHALL COORDINATE EXACT LOCATION OF DUPLEX BASKET STRAINER ASSEMBLY WITH OWNER. A 12" MIN CLEARANCE SHALL BE PROVIDED ABOVE THE BASKET STRAINER ASSEMBLY TO ALLOW FOR MAINTENANCE AND BASKET REMOVAL.
 - THE PIPING LAYOUT SHOWN ON THIS PLAN WAS REVISED DURING CONSTRUCTION, REFER TO DWG RD-3 FOR CHEMICAL FEED SYSTEM PROCESS SCHEMATIC.

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



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



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

- NOTES:**
- CONTRACTOR SHALL FIELD VERIFY REQUIRED DIMENSION OF NEW 12" D.I. PIPE SECTION.
 - CONTRACTOR SHALL FIELD VERIFY THE ROUTE THE FILL PIPING AND CHEMICAL FEED PIPING SHALL FOLLOW AND SHALL SUBMIT DETAILED SHOP DRAWINGS FOR ENGINEER'S REVIEW.
 - FILL PIPING SHALL BE A DUAL-CONTAINMENT PIPE TO THE LOCATION SHOWN.

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-D/D/CONT-MVB
5/01 SYR-54 DCC
00364026/RECORD/00364M03.DWG

Graphic Scale	No.	Date	Revisions	Init
1/4"=1'-0"				

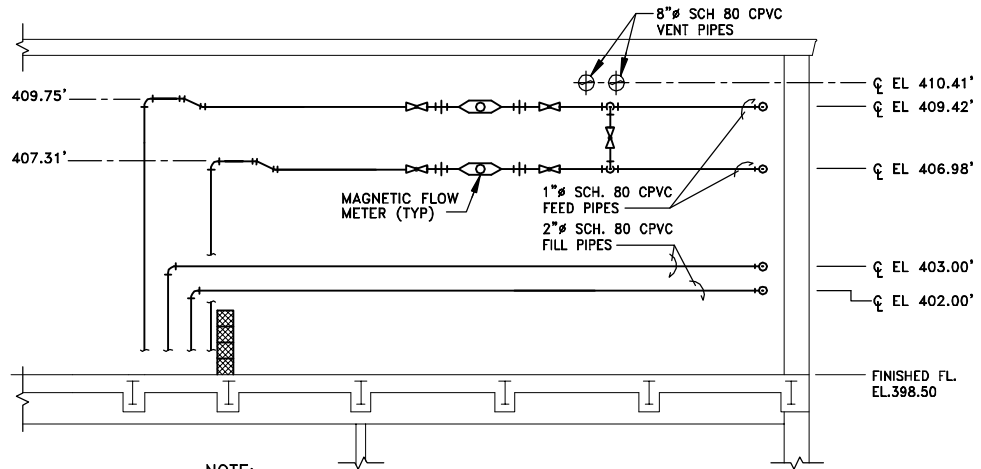
Project Mgr. --- C_J_L ---
Designed by --- W_F_F ---
Drawn by --- R_J_M/G_M_S ---
Checked by --- W_F_F ---
Prof. Eng. --- DONALD GEISSER ---
PE License --- N.Y. 57879 ---

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

(RECORD DRAWING: MADE FROM DRAWING NO. M-3, FILE NO. 003.64.23F, DATED 1/99)
COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS, BREWERTON, WETZEL ROAD AND BURNET AVENUE
BREWERTON WPCP PLAN, SECTION AND PARTIAL ELEVATION
MECHANICAL

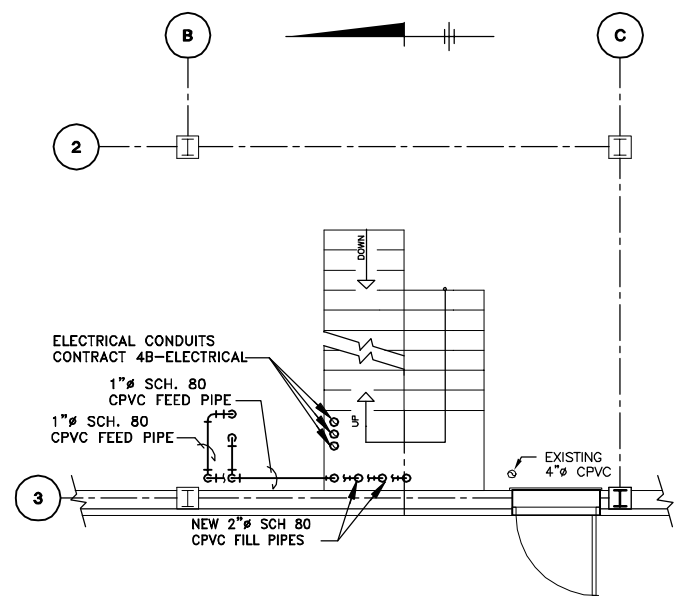
File Number 003.64.83F
Date MAY 2001
Blasland, Bouck & Lee, Inc. Corporate Headquarters 6723 Towpath Road Syracuse, NY 13214 315-446-9120

M-3



NOTE:
 1. EMERGENCY EYEWASH SHOWER, 1-1/2" W, AND 3/4" FLUSHING WATER NOT SHOWN FOR CLARITY.

PARTIAL ELEVATION 1
 M-3
 SCALE: 1/4"=1'-0"

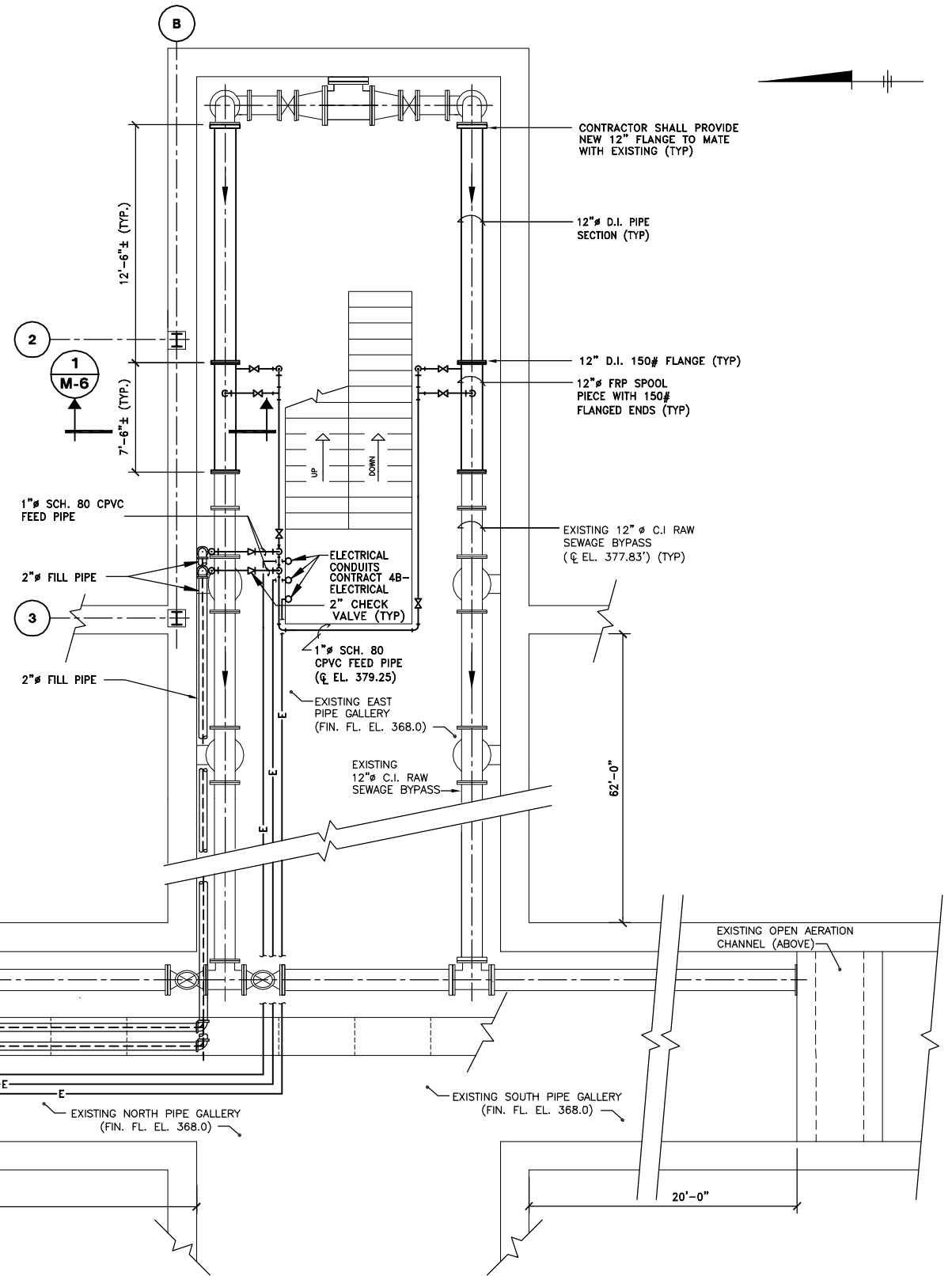


PARTIAL FIRST FL. PLAN (EL. 384.67')

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

GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY REQUIRED DIMENSION OF NEW 12" D.I. PIPE SECTION.
2. FILL PIPE SHALL BE A DUAL-CONTAINMENT PIPE TO THE LOCATION SHOWN ON M-3.
3. REFER TO G-5 FOR ACTUAL ELEVATION OF 2" FILL PIPE PENETRATION INTO NORTH WALL OF NORTH PIPE GALLERY.
4. CONTRACT 4D-PLUMBING SHALL FURNISH AND INSTALL 1-1/2" SCH 80 PVC PIPE TO BE RUN FROM THE NORTH WALL OF THE NORTH PIPE GALLERY, THRU THE EAST PIPE GALLERY AND TO THE EXISTING WATER SUPPLY PIPING AT FLOOR ELEVATION 389.57'.



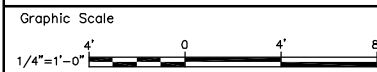
GALLERY LEVEL PLAN

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

(RECORD DRAWING: MADE FROM DRAWING NO. M-4, FILE NO. 003.64.24F, DATED 1/99)

RECORD DRAWINGS
 TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
 L: ON=*, OFF=REF
 P: CONT-D/J/CONT-MVB
 5/01 SYR-54 DCC
 00364026/RECORD/00364M04.DWG



No.	Date	Revisions	Init

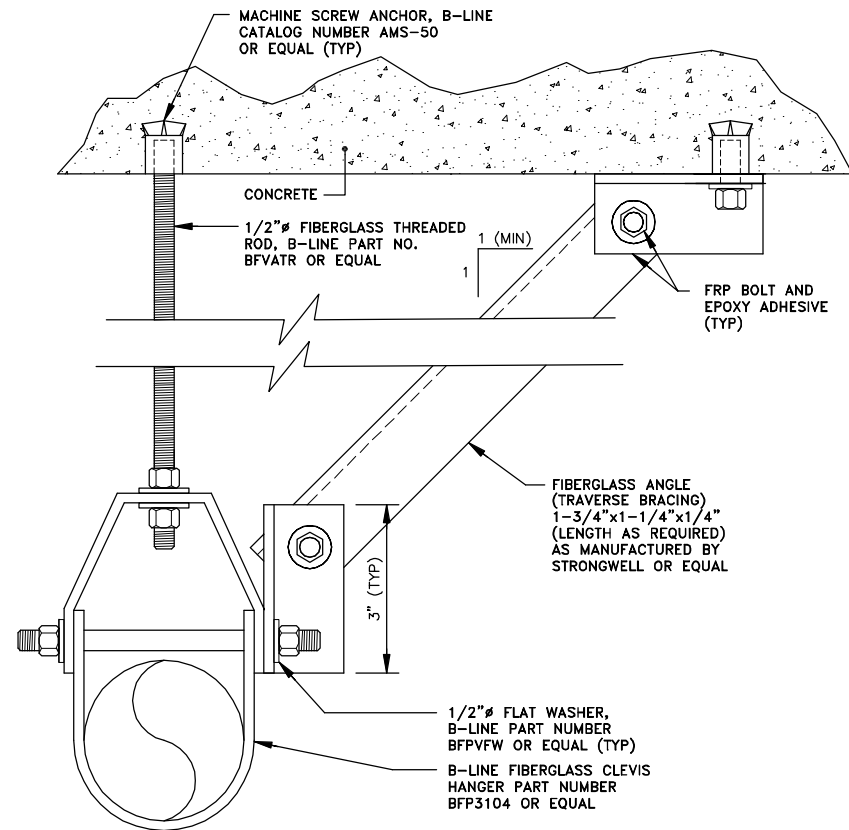
Project Mgr.	CJL
Designed by	WFF
Drawn by	RJM/KLN
Checked by	CJL/WFF
Prof. Eng.	DONALD GEISSER
PE License	N.Y. 57879

BBL
 BLASLAND, BOUCK & LEE, INC.
 engineers & scientists

COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
 CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS, BREWERTON, WETZEL ROAD AND BURNET AVENUE
BREWERTON WPCP
PLANS AND PARTIAL ELEVATIONS
 MECHANICAL

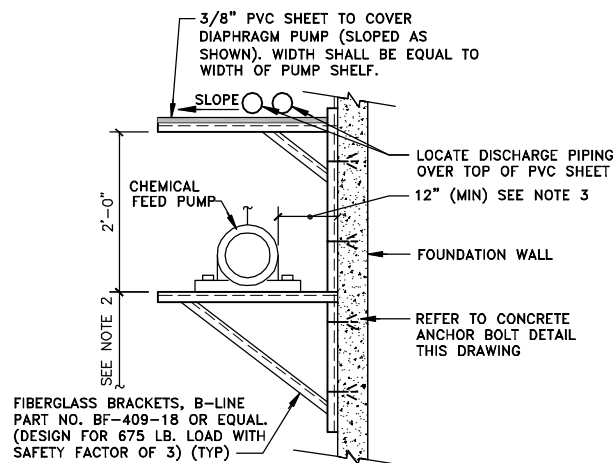
File Number	003.64.84F
Date	MAY 2001
Blasland, Bouck & Lee, Inc. Corporate Headquarters 6723 Towpath Road Syracuse, NY 13214 315-446-9120	

M-4



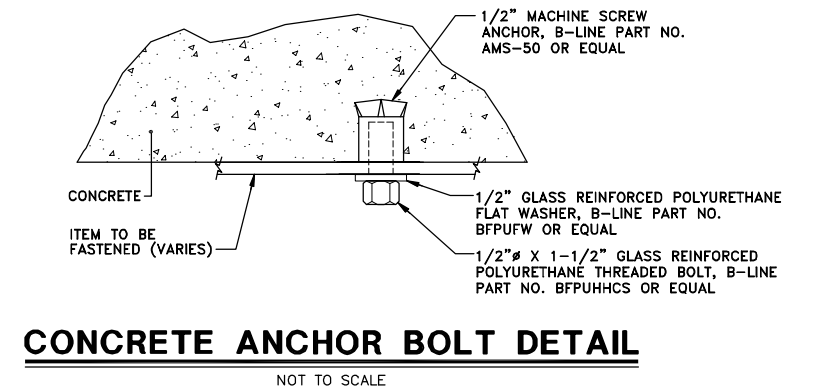
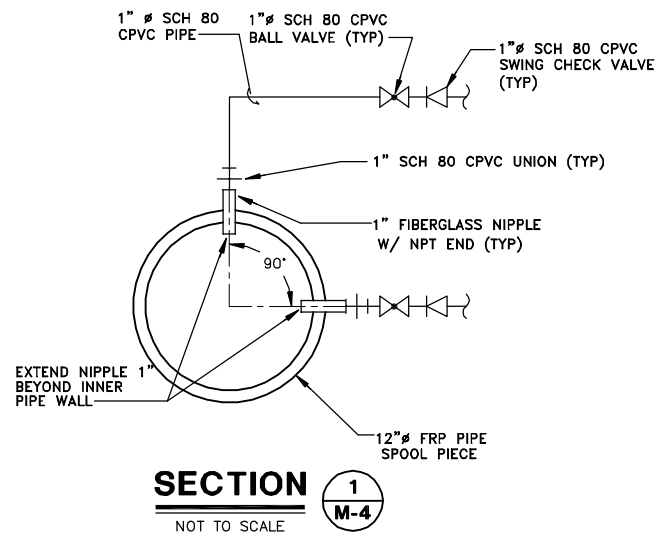
NOTE:
1. TRAVERSE BRACING SHALL BE USED ON THE 2"Ø FILL LINES.

PIPE HANGER DETAIL
NOT TO SCALE

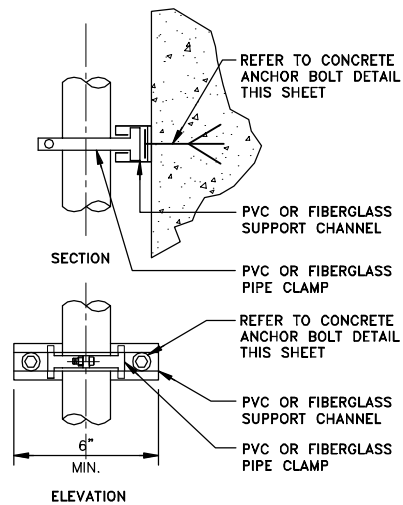


NOTES:
1. PUMP SHELF SHALL BE SECURED TO FRP PANEL WITH FRP FASTENERS AT BREWERTON WPCP. REFER TO M-3
2. PUMP SHALL BE MOUNTED 3'-6" A.F.F. OR FRP GRATING PLATFORM, AS APPLICABLE, TO TOP OF PUMP SHELF.
3. PUMP SHALL BE MOUNTED SUCH THAT A 12" MIN CLEARANCE IS MAINTAINED BETWEEN ALL PUMP COMPONENTS AND THE WALL OR PANEL ON WHICH THE PUMP SHELF IS MOUNTED.

PUMP SHELF DETAIL
NOT TO SCALE

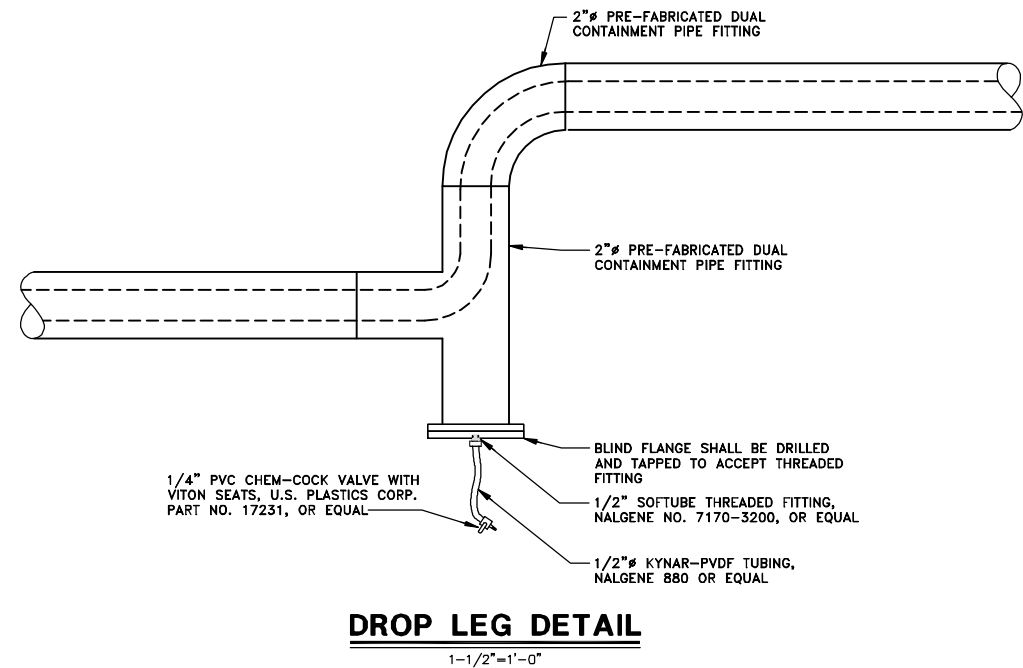


GENERAL NOTES:
1.1 PROPOSED PIPE HANGERS ARE FOR REFERENCE ONLY. HANGERS SHALL BE LOCATED EVERY 3'-0" O.C., HORIZONTAL, AND VERTICAL, AND AT ALL CHANGES IN DIRECTION.



NOTES:
1. CHANNEL SHALL BE SECURED TO EXISTING CONCRETE WALL USING CONCRETE ANCHORS AND NON-METALLIC FASTENERS AS INDICATED. SEE DETAIL THIS SHEET.

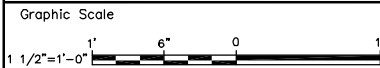
SMALL PIPE DETAIL
NOT TO SCALE



DROP LEG DETAIL
1-1/2"=1'-0"

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-DJD/CONT-MVB
5/01 SYR-54 DCC
00364026/RECORD/00364M06.DWG



No.	Date	Revisions	Init

Project Mgr.	CJL
Designed by	WFF
Drawn by	RJM/KLN
Checked by	CJL/WFF
Prof. Eng.	DONALD GEISSER
PE License	N.Y. 57879

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

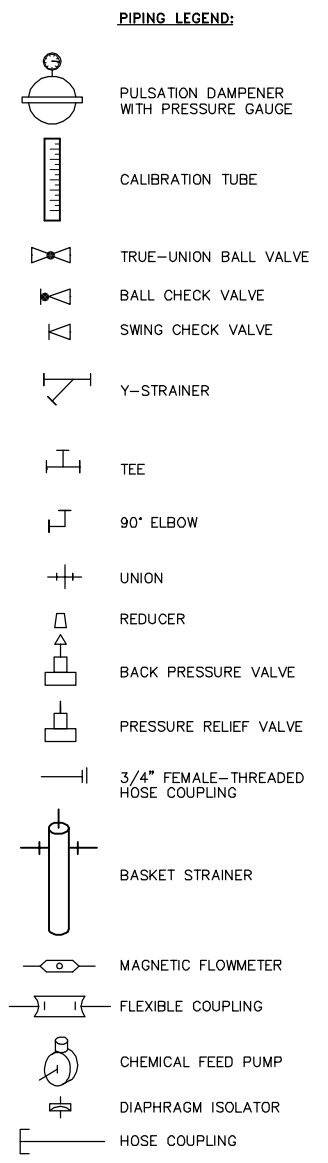
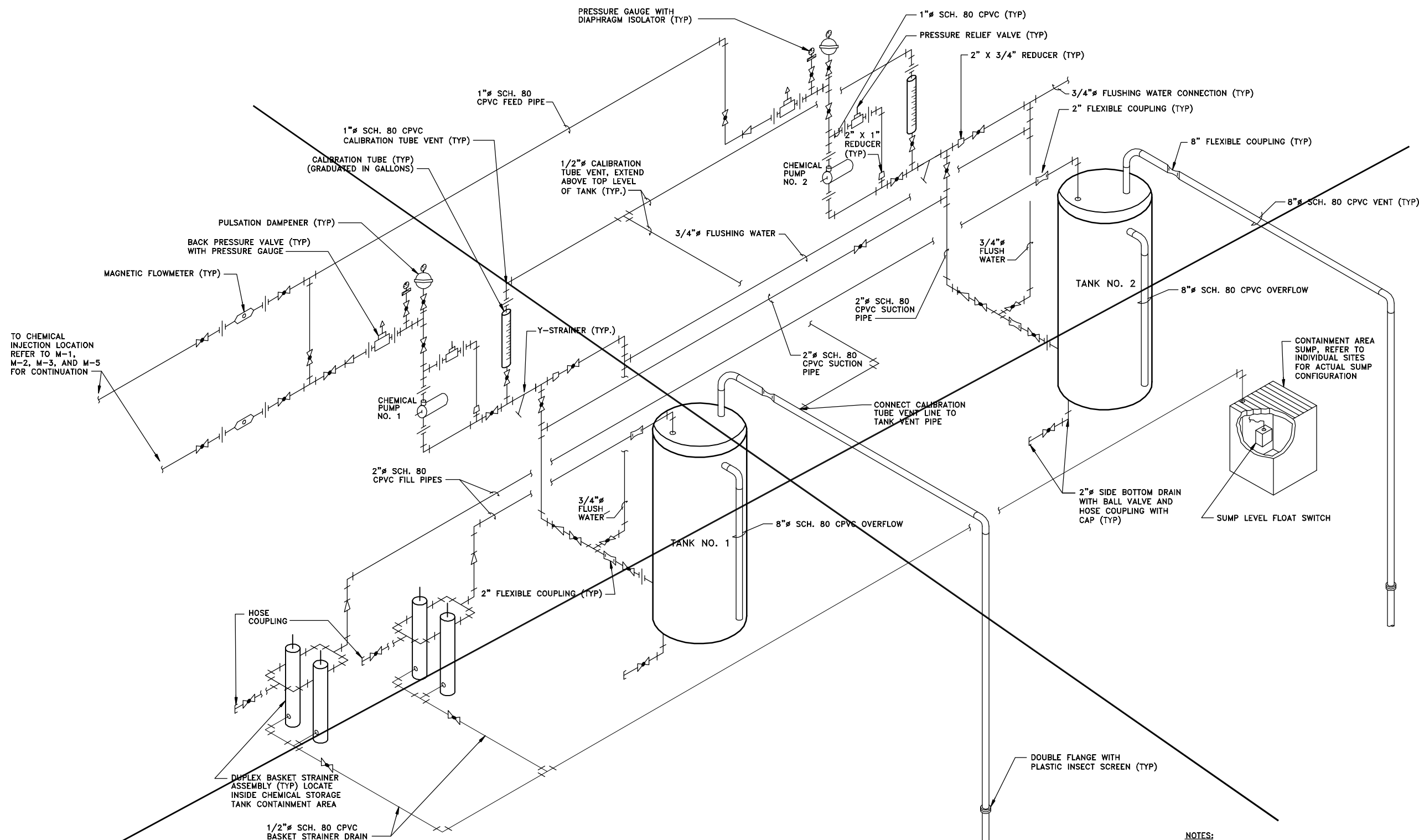
(RECORD DRAWING: MADE FROM DRAWING NO. M-6, FILE NO. 003.64.26F, DATED 1/99)
COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS, BREWERTON, WETZEL ROAD AND BURNET AVENUE

MISCELLANEOUS DETAILS

MECHANICAL

File Number	003.64.86F
Date	MAY 2001
Blasland, Bouck & Lee, Inc. Corporate Headquarters 6723 Towpath Road Syracuse, NY 13214 315-446-9120	

M-6



GENERAL NOTE:
 1.1 THIS DRAWING SUPERSEDED, REFER TO DRAWING RD-1, RD-2, RD-3, AND RD-4 FOR CHEMICAL FEED SYSTEM PROCESS SCHEMATICS FOR EACH SITE.

- NOTES:**
- ALL SUCTION SIDE PROCESS PIPING SHALL BE 2" SCH. 80 CPVC, UNLESS OTHERWISE INDICATED.
 - ALL DISCHARGE SIDE PROCESS PIPING SHALL BE 1" SCH. 80 CPVC, UNLESS OTHERWISE INDICATED.
 - CHEMICAL PUMPS SHALL BE MOUNTED 3'-6" A.F.F. OR FRP GRATING PLATFORM, AS APPLICABLE, TO TOP OF PUMP SHELF.
 - ALL FLUSHING WATER PIPING SHALL BE 3/4" SCH. 80 PVC, UNLESS OTHERWISE INDICATED.

RECORD DRAWINGS
 TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
 L: ON=*, OFF=REF
 P: CONT-DLD/CONT-MVB
 5/01 SYR-54-DCC
 00364026/RECORD/00364M07.DWG

Graphic Scale

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

No.	Date	Revisions	Init

Project Mgr. --- C_J_L ---
 Designed by --- W_F_F ---
 Drawn by --- D_C_C/R_J_M ---
 Checked by --- W_F_F ---
 Prof. Eng. --- D_O_N_A_L_D G_E_I_S_S_E_R ---
 PE License --- N.Y. 57879 ---

BBL
 BLASLAND, BOUCK & LEE, INC.
 engineers & scientists

(RECORD DRAWING: MADE FROM DRAWING NO. M-7, FILE NO. 003.64.27F, DATED 1/99)

COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
 CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
 BREWERTON, WETZEL ROAD AND BURNET AVENUE

**TYPICAL CHEMICAL FEED SYSTEM
 PROCESS SCHEMATIC**
 MECHANICAL

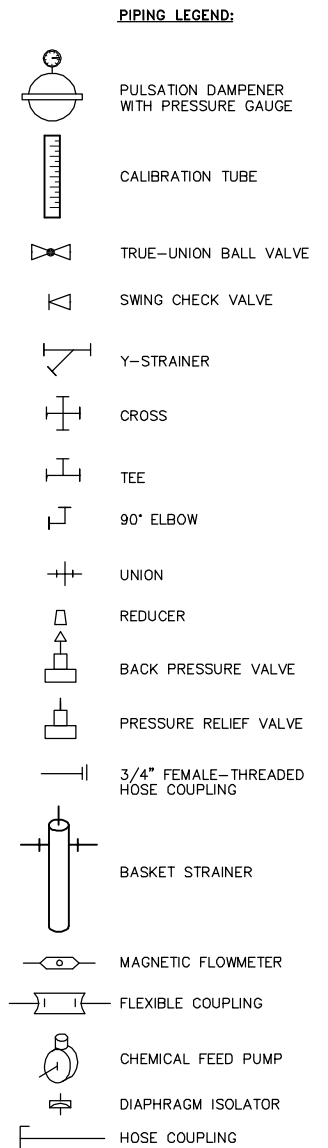
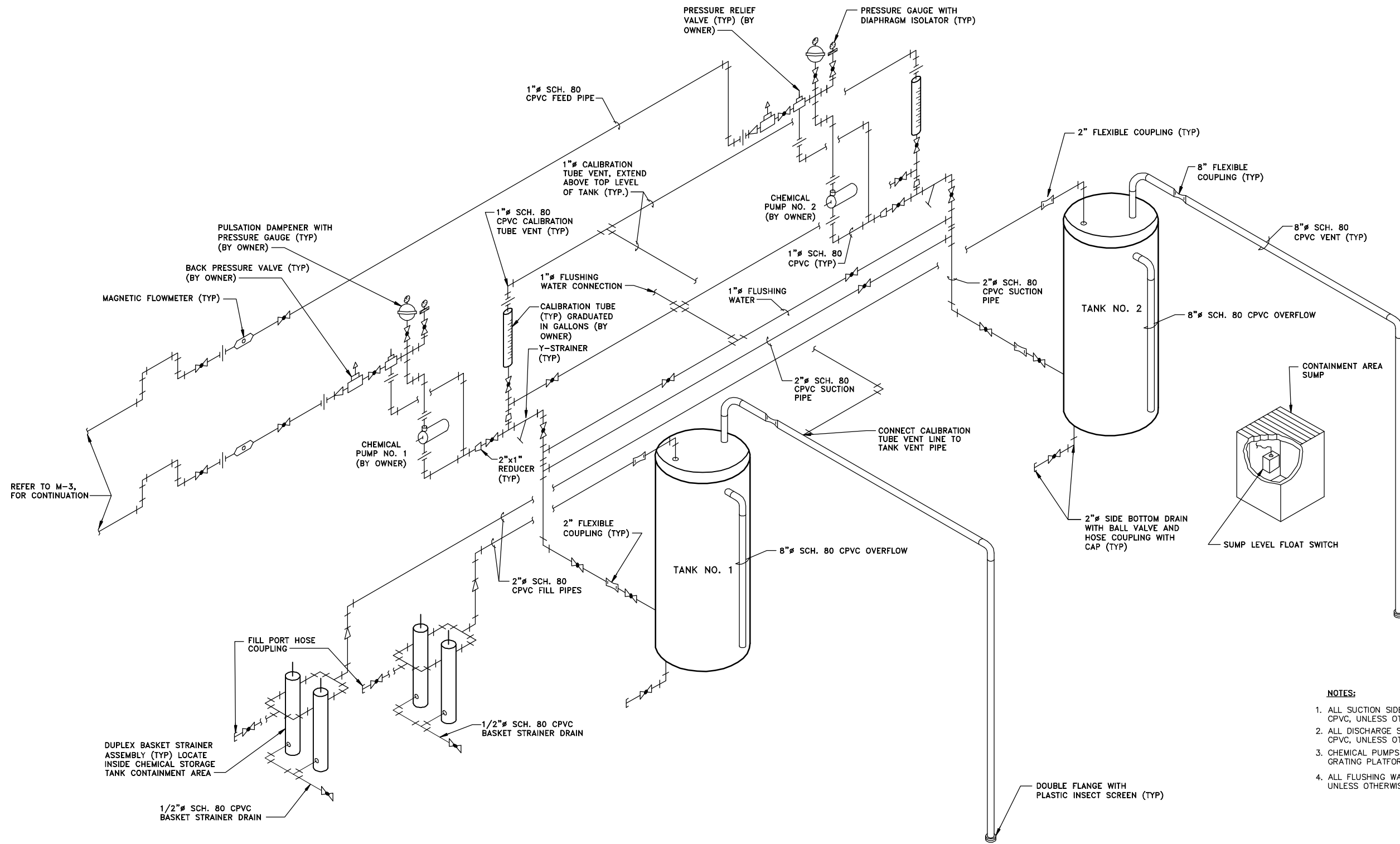
DATE _____ BY _____

File Number
 003.64.87F

Date
 MAY 2001

Blasland, Bouck & Lee, Inc.
 Corporate Headquarters
 6723 Towpath Road
 Syracuse, NY 13214
 315-446-9120

M-7



- NOTES:**
1. ALL SUCTION SIDE PROCESS PIPING SHALL BE 2" SCH. 80 CPVC, UNLESS OTHERWISE INDICATED.
 2. ALL DISCHARGE SIDE PROCESS PIPING SHALL BE 1" SCH. 80 CPVC, UNLESS OTHERWISE INDICATED.
 3. CHEMICAL PUMPS SHALL BE MOUNTED 3'-6" A.F.F. OR FRP GRATING PLATFORM, AS APPLICABLE, TO TOP OF PUMP SHELF.
 4. ALL FLUSHING WATER PIPING SHALL BE 1" SCH. 80 CPVC, UNLESS OTHERWISE INDICATED.

X: 00364X00.DWG
 L: ON=*, OFF=REF
 P: CONT-DJD/CONT-MVB
 5/01 SYR-54-DCC
 00364026/RECORD/00364RD3.DWG

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
 Designed by --- W.F.F. ---
 Drawn by --- D.C.C./R.J.M. ---
 Checked by --- W.F.F. ---
 Prof. Eng. --- DONALD GEISSER ---
 PE License --- N.Y. 57879 ---



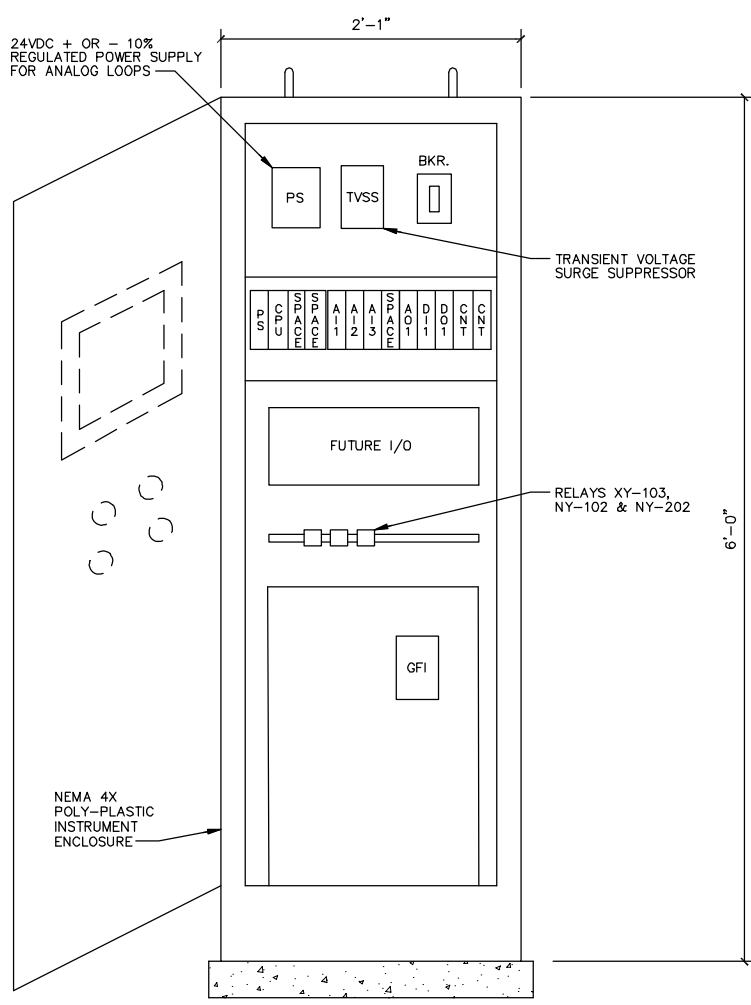
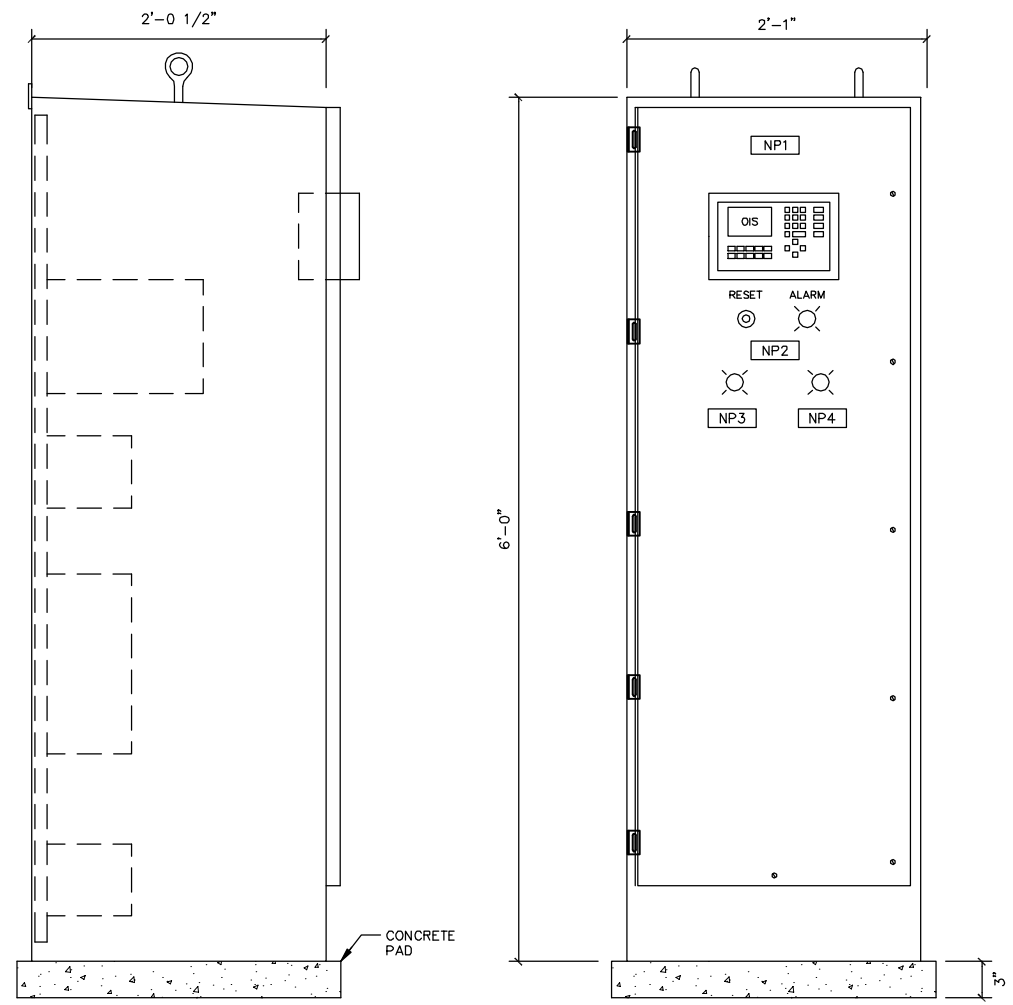
(RECORD DRAWING: MADE FROM DRAWING NO. M-7, FILE NO. 003.64.27F, DATED JANUARY 1999) DATE _____ BY _____

COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
 CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
 BREWERTON, WETZEL ROAD AND BURNET AVENUE
**BREWERTON WPCP CHEMICAL FEED
 SYSTEM PROCESS SCHEMATIC**
 MECHANICAL

RECORD DRAWINGS
 TO THE BEST OF OUR KNOWLEDGE,
 INFORMATION AND BELIEF, THESE RECORD
 DRAWINGS SUBSTANTIALLY REPRESENT
 THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

File Number
003.64.90F
 Date
MAY 2001
 Blasland, Bouck & Lee, Inc.
 Corporate Headquarters
 6723 Towpath Road
 Syracuse, NY 13214
 315-446-9120

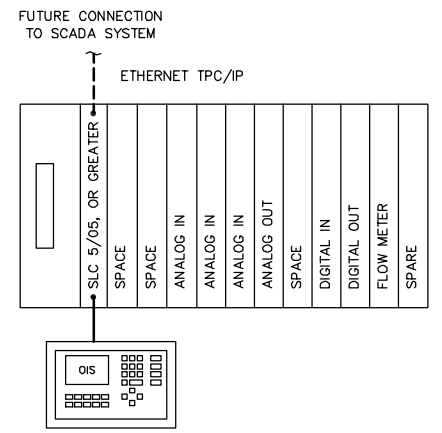
RD-3



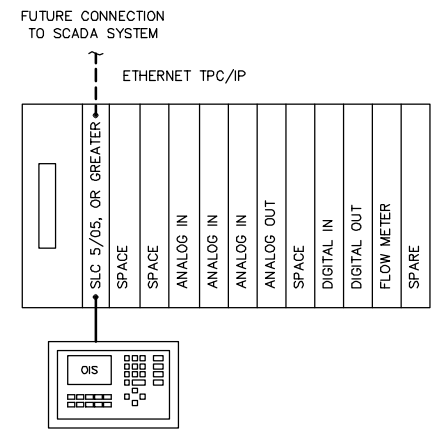
- LEGEND**
- PROCESS PIPING
 - ⊗ BALL VALVE
 - ⊘ CHECK VALVE
 - ⊘ PRESSURE REDUCING VALVE
 - ⊘ GAUGE VALVE
 - ⊘ PRESSURE RELIEF VALVE
 - ⊘ DIAPHRAGM PUMP
 - ⊘ PULSATION DAMPENER WITH PRESSURE GAUGE
 - ⊘ CALIBRATION TUBE
 - ⊘ DIAPHRAGM ISOLATOR
 - ⊘ MAGNETIC FLOWMETER
 - ⊘ FLOAT SWITCH
 - ⊘ TO BE ACCESSED THRU OPERATORS INTERFACE STATION (OIS)
 - ⊘ PLC INTERLOCK
 - ES ELECTRIC POWER SUPPLY
 - ⊘ FT EXISTING DEVICE

CHEMICAL FEED CONTROL PANEL

NOT TO SCALE



NOTE:
1. THE PLC SHALL BE FURNISHED WITH THE REQUIRED COMMUNICATION/INTERFACE MODULES AND DEVICES FOR CONFIGURATION OF THREE PORTS TO SUPPORT CONNECTION OF ETHERNET, OPERATOR INTERFACE, AND PROGRAMMING COMPUTER.



NOTE:
1. THE PLC SHALL BE FURNISHED WITH THE REQUIRED COMMUNICATION/INTERFACE MODULES AND DEVICES FOR CONFIGURATION OF THREE PORTS TO SUPPORT CONNECTION OF ETHERNET, OPERATOR INTERFACE, AND PROGRAMMING COMPUTER.

NAMEPLATE SCHEDULE					
ITEM	LINE 1	LINE 2	LINE 3	LTR. SIZE	PLATE SIZE
NP1	CHEMICAL FEED	CONTROL PANEL	—	.25	1 X 6
NP2	ALARM	RESET	—	.19	.75 X 2.25
NP3	CHEMICAL FEED	PUMP NO. 1	RUNNING	.19	.75 X 2.25
NP4	CHEMICAL FEED	PUMP NO. 2	RUNNING	.19	.75 X 2.25

INSTRUMENTATION LEGEND	TRANSMITTER	SWITCH (H) (L) LOW	PRIMARY SENSOR	CONTROL	INDICATOR	ALARM
FLOW	FT	FS			FI	PA
TOTAL FLOW	OT				FO	
LEVEL	LT	LSH	LE		LI	LAH
PRESSURE	PT					
TEMPERATURE	TT					TAL
SPEED					SC	
STROKE					—ZC	ZI
HAND		HS			HC	
ALARM SW.						XSA
RELAY		XY			NY	

** MAY BE PRECEDED BY "E" FOR ELECTRIC OR "H" FOR HAND.

NOTES:
1. CONTRACT 4A - GENERAL SHALL PROVIDE INSTRUMENTATION AND CONTROL PANELS. CONTRACT 4B - ELECTRICAL SHALL PROVIDE WIRES, CONDUIT AND MAKE INTERCONNECTIONS.

XX-XXX INSTRUMENT FUNCTION SEE CHART FOR FUNCTION INSTRUMENT TAG NUMBER,

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF, THESE RECORD DRAWINGS SUBSTANTIALLY REPRESENT THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-DLD/CONT-MVB
5/01 SYR-54-DCC
00364026/RECORD/00364101.DWG

CONTROL SYSTEM DIAGRAM

(BURNET AVENUE ONLY)
NOT TO SCALE

CONTROL SYSTEM DIAGRAM

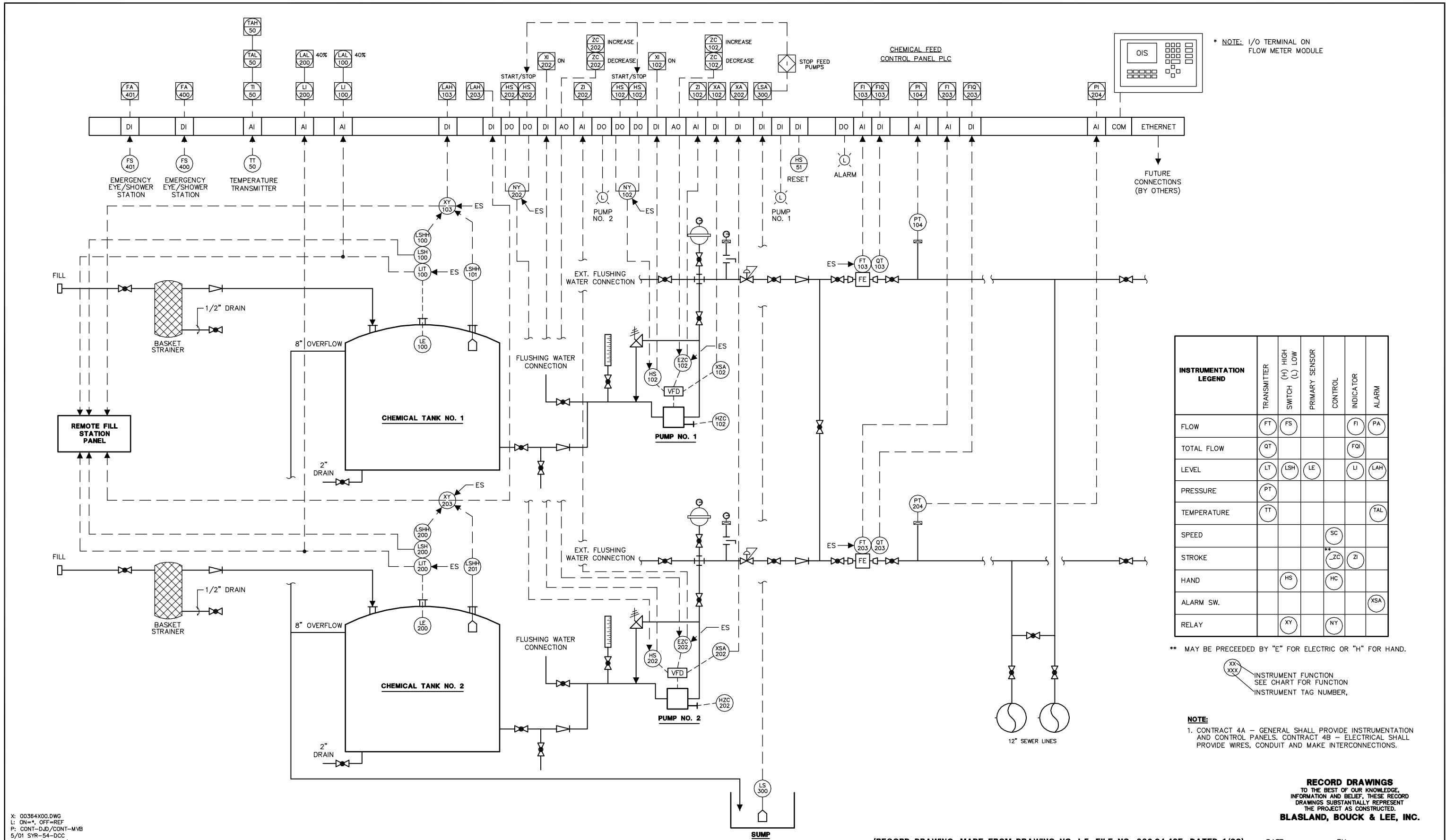
(BALDWINVILLE - BREWERTON - WETZEL ROAD)
NOT TO SCALE

Graphic Scale	Revisions				Init	Project Mgr. --- C_J_L ---	Designed by --- W_G_S ---	Drawn by --- D_C_C ---	Checked by --- W_G_S ---	Prof. Eng. --- DONALD GEISSER ---	PE License --- N.Y. 57879 ---
	No.	Date									



CONTROL CABINET LAYOUT AND ELEVATION
INSTRUMENTATION

File Number 003.64.94F
Date MAY 2001
Blasland, Bouck & Lee, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120



X: 00364X00.DWG
 L: ON=*, OFF=REF
 P: CONT-D, D/CONT-MVB
 5/01 SYR-54-DCC
 00364026/RECORD/00364105.DWG

Graphic Scale	No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
 Designed by --- WGS/MEE ---
 Drawn by --- DCC ---
 Checked by --- WGS/MEE ---
 Prof. Eng. --- DONALD GEISSER ---
 PE License --- N.Y. 57879 ---



(RECORD DRAWING: MADE FROM DRAWING NO. I-5, FILE NO. 003.64.40F, DATED 1/99)

COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
 CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
 BREWERTON, WETZEL ROAD AND BURNET AVENUE

BREWERTON WPCP
PROCESS AND INSTRUMENTATION DIAGRAM
 INSTRUMENTATION

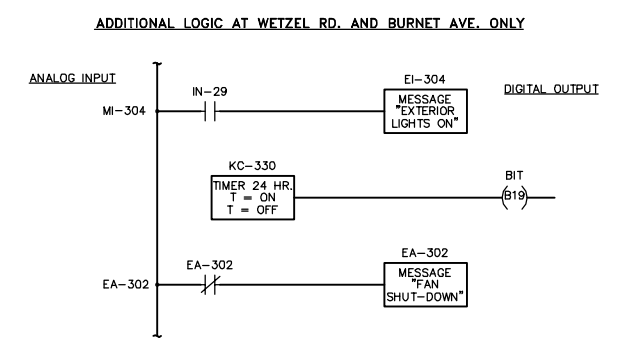
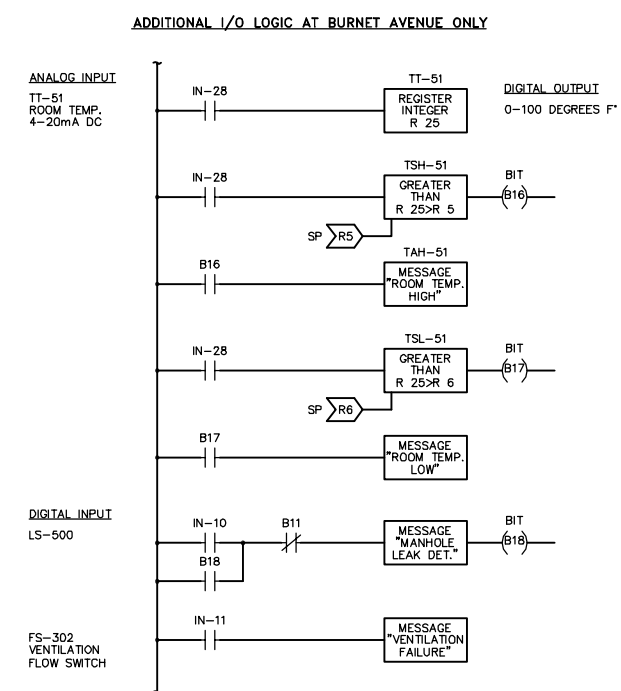
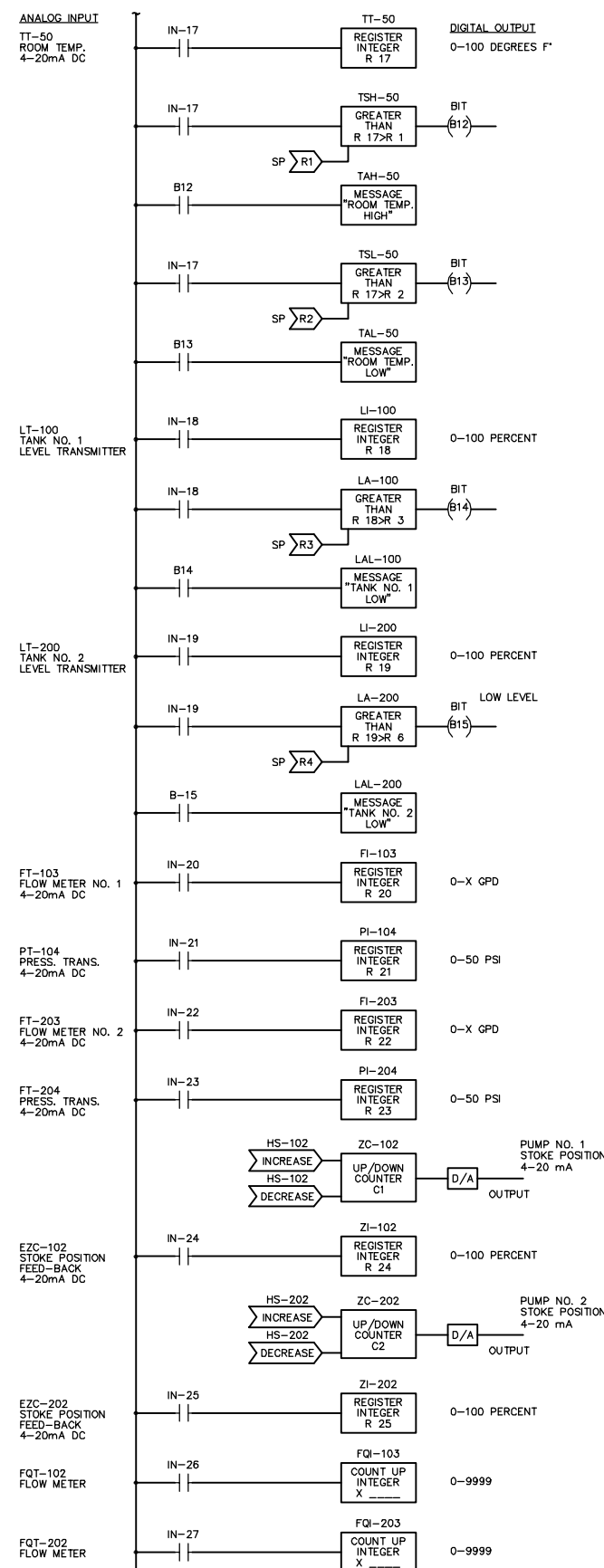
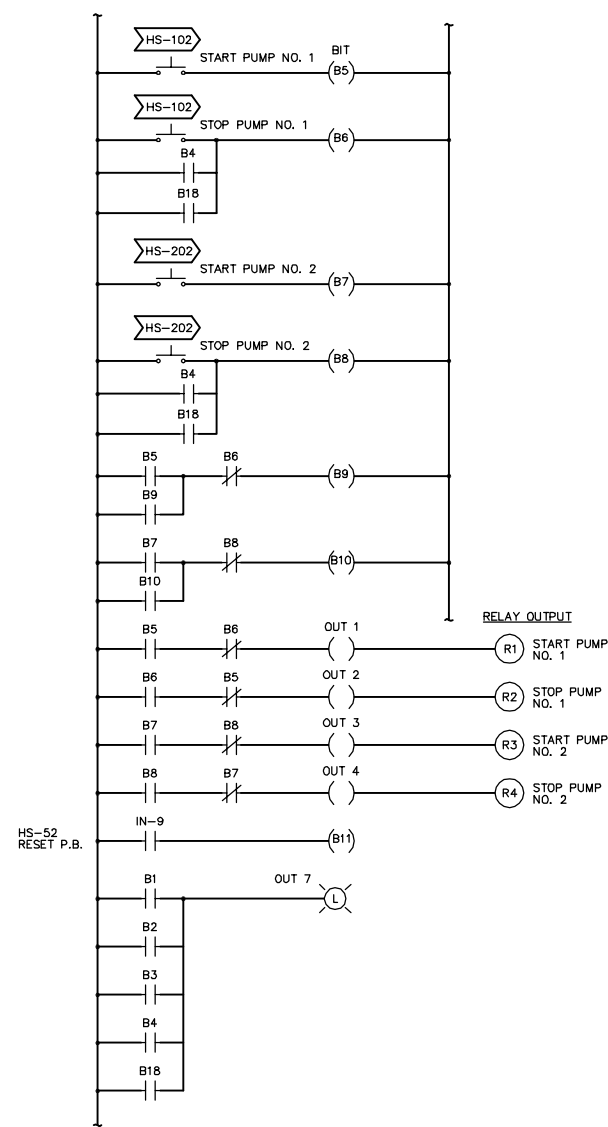
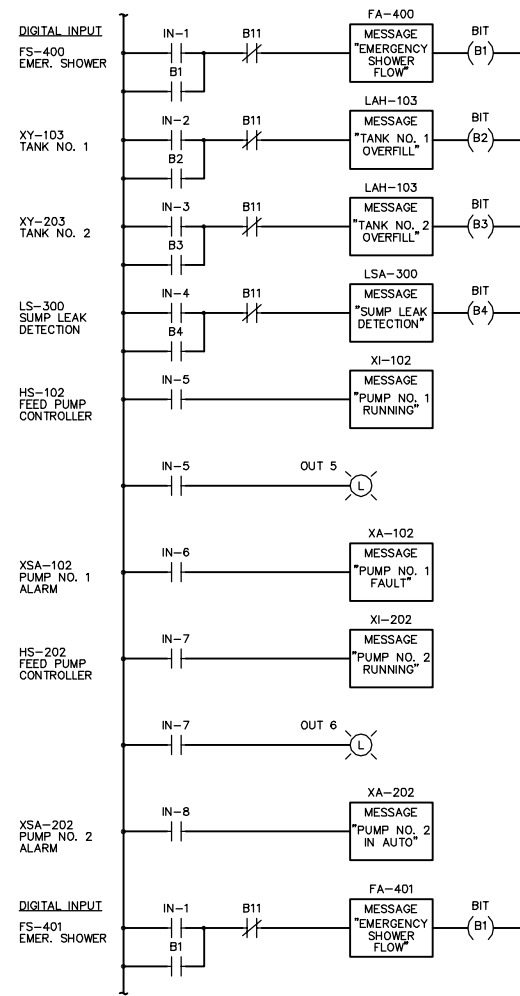
File Number
003.64.98F

Date
MAY 2001

Blasland, Bouck & Lee, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

I-5

RECORD DRAWINGS
 TO THE BEST OF OUR KNOWLEDGE,
 INFORMATION AND BELIEF, THESE RECORD
 DRAWINGS SUBSTANTIALLY REPRESENT
 THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.



NOTE:
THE LOGIC SHOWN IS A GENERAL DESCRIPTION OF REQUIRED FUNCTIONS, AND IS NOT A COMPLETE PROGRAM. THE PLC SHALL BE PROVIDED WITH THE NECESSARY HARDWARE, SOFTWARE AND PROGRAMMING TO PROVIDE THE INDICATED FUNCTIONS.

◁ INDICATES INPUT THRU OIS KEYPAD.

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-D/D/CONT-MVB
5/01 SYR-54-DCC
00364026/RECORD/00364106.DWG

No.	Date	Revisions	Init

Project Mgr. --- C_J_L ---
Designed by --- W_G_S ---
Drawn by --- D_C_C ---
Checked by --- W_G_S ---
Prof. Eng. --- DONALD GEISSER ---
PE License --- N.Y. 57879 ---



COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
BREWERTON, WETZEL ROAD AND BURNET AVENUE

LADDER DIAGRAMS

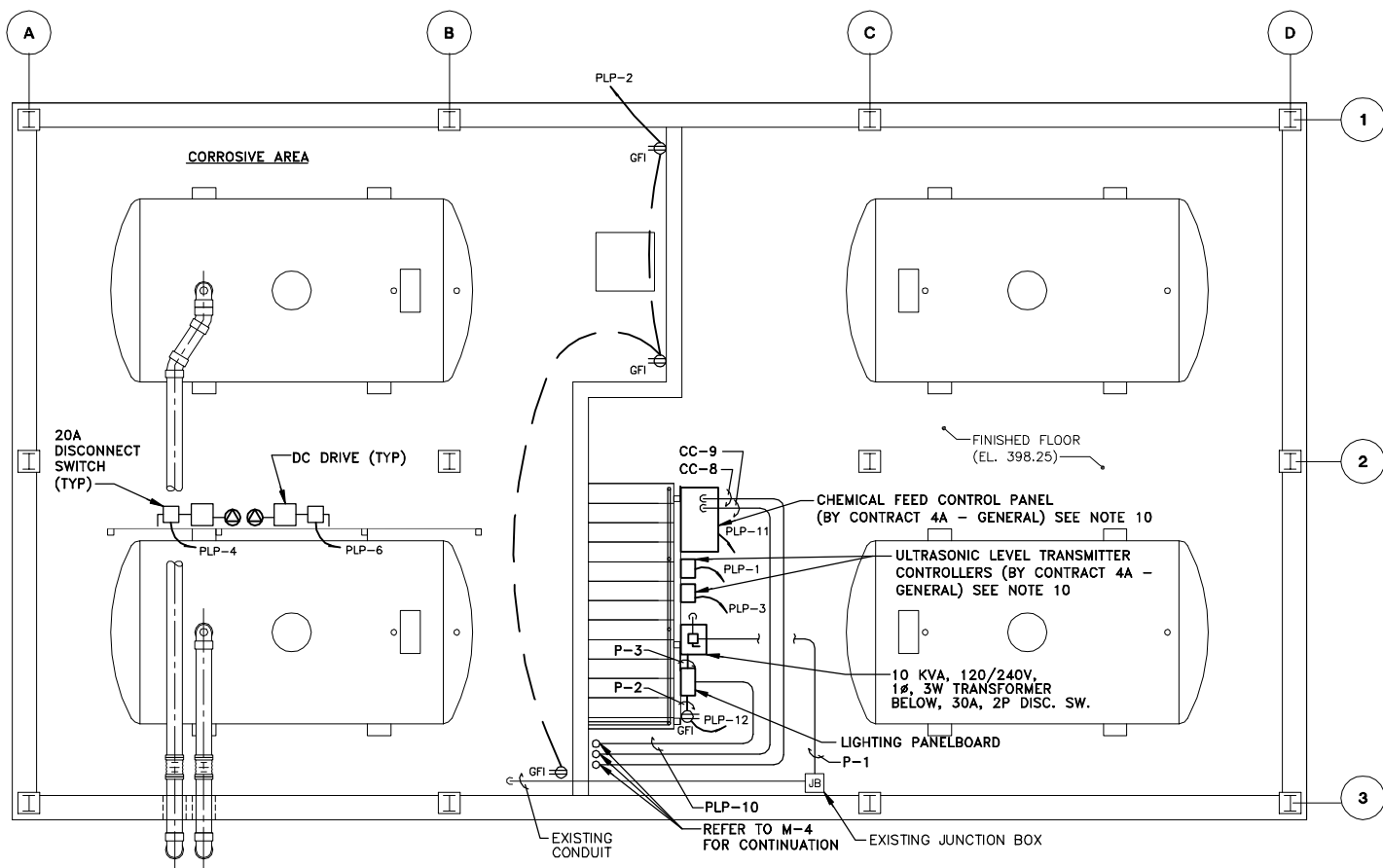
INSTRUMENTATION

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE,
INFORMATION AND BELIEF, THESE RECORD
DRAWINGS SUBSTANTIALLY REPRESENT
THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

File Number
003.64.99F
Date
MAY 2001
Blasland, Bouck & Lee, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

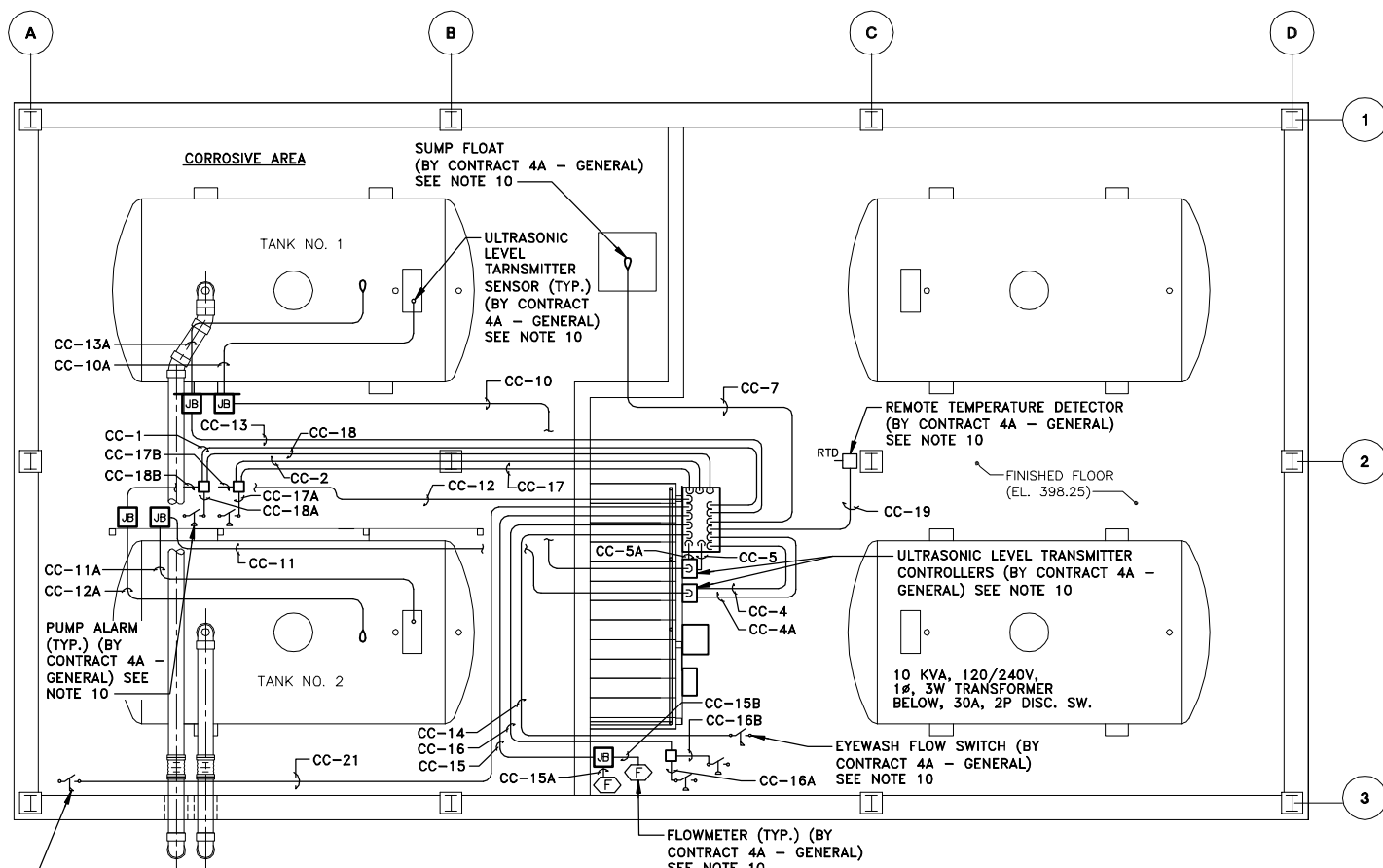
(RECORD DRAWING: MADE FROM DRAWING NO. I-6, FILE NO. 003.64.41F, DATED 1/99)

DATE _____ BY _____



**CHEMICAL BUILDING
POWER PLAN**

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



**CHEMICAL BUILDING
INSTRUMENTATION PLAN**

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

NOTES:

1. COORDINATE MOUNTING LOCATION OF PANELBOARDS AND ULTRASONIC LEVEL TRANSMITTERS WITH LOCATIONS OF CHEMICAL FEED SYSTEM PUMPING EQUIPMENT ON M-3.
2. NO CONDUITS SHALL PENETRATE CHEMICAL STORAGE AREA FLOOR OR CONTAINMENT WALL.
3. MOUNT ALL GFI OUTLETS 4'-0" A.F.F.
4. ELECTRICAL CONTRACTOR SHALL INSTALL BUCKET AND 30A, 2P BREAKER AND NEW DOOR WITH UNIT DISCONNECT OPERATING HANDLE, ON EXISTING MCC COMPARTMENT B5. HANDLE SHALL BE MOUNTED ON DISCONNECT AND SHALL INDICATE ON AND OFF.
5. EXISTING MCC IS LOCATED ONE FLOOR BELOW AND ADJACENT TO I-BEAM BETWEEN TANK 1 AND 2, APPROXIMATELY 70 FEET.
6. ELECTRICAL CONTRACTOR SHALL REUSE EXISTING CONDUIT TO POWER NEW TRANSFORMER AND LIGHTING PANELBOARD.
7. REFER TO G-5 FOR NEW POWER AT THE NEW CONCRETE TRANSFER STATION.
8. REFER TO E-6 AND E-7 FOR CONDUIT AND PANELBOARD SCHEDULES.
9. ALL ENCLOSURES SHALL BE NEMA 4X NON-METALLIC.
10. CONTRACT 4A - GENERAL SHALL PROVIDE INSTRUMENTATION AND CONTROL PANELS. CONTRACT 4B - ELECTRICAL SHALL PROVIDE WIRES, CONDUIT AND MAKE INTERCONNECTIONS.
11. REFER TO SYMBOL LEGEND ON E-1.

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE,
INFORMATION AND BELIEF, THESE RECORD
DRAWINGS SUBSTANTIALLY REPRESENT
THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-DJD/CONT-MVB
5/01 SYR-54 DCC
00364026/RECORD/00364E03.DWG



NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
Designed by --- TEL/MEE ---
Drawn by --- DCC ---
Checked by --- TEL/MEE ---
Prof. Eng. --- DONALD GEISSER ---
PE License --- N.Y. 57879 ---



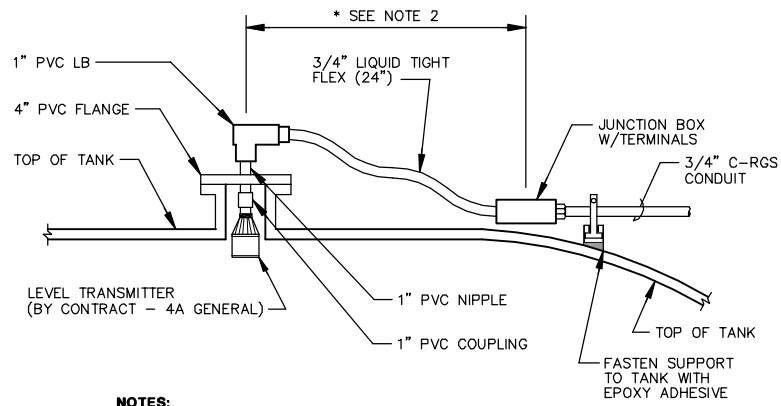
RECORD DRAWING: MADE FROM DRAWING NO. E-3, FILE NO. 003.64.30F, DATED 1/99

COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
BREWERTON, WETZEL ROAD AND BURNET AVENUE

**BREWERTON WPCP
POWER AND INST. PLANS**
ELECTRICAL

File Number
003.64.102F
Date
MAY 2001
Blasland, Bouck & Lee, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

E-3

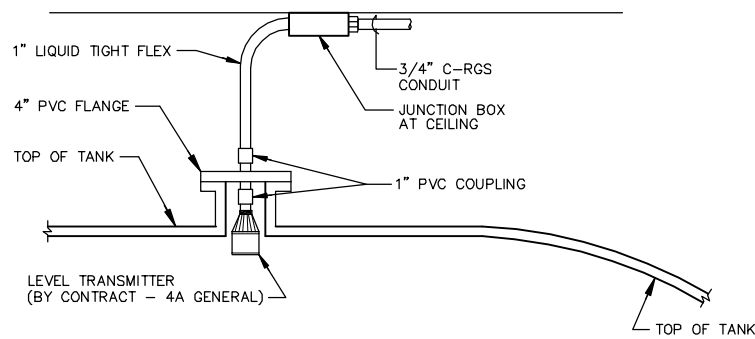


NOTES:

1. PROVIDE INSTALLATION FOR ULTRASONIC LEVEL SENSOR AS DETAILED.
2. LOCATE JUNCTION BOX WITH TERMINALS WITHIN REACH OF LADDER ON SIDE OF TANK.

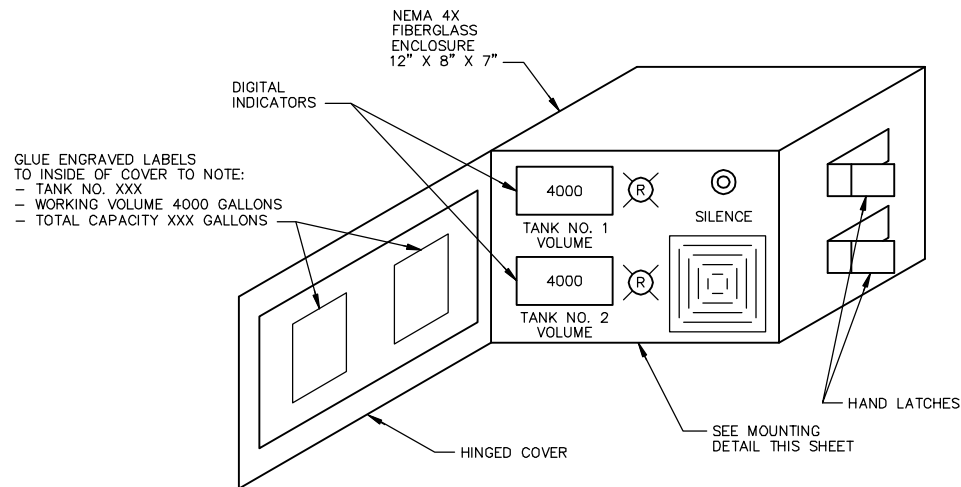
CHEMICAL STORAGE TANK LEVEL TRANSMITTER DETAIL

NOT TO SCALE



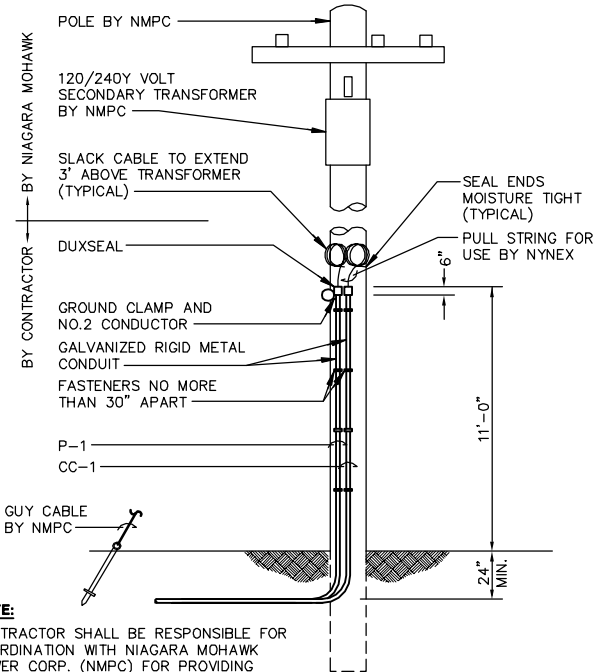
CHEMICAL STORAGE TANK LEVEL TRANSMITTER DETAIL

(BALDWINVILLE ONLY)
NOT TO SCALE



REMOTE FILL STATION PANEL

NOT TO SCALE

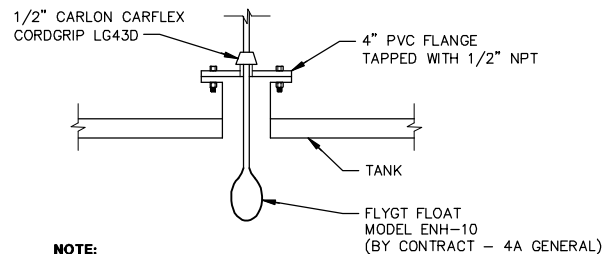


NOTE:

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH NIAGARA MOHAWK POWER CORP. (NMPC) FOR PROVIDING INCOMING SERVICES.

SERVICE ENTRANCE POLE DETAIL

(BURNET AVENUE ONLY)
NOT TO SCALE

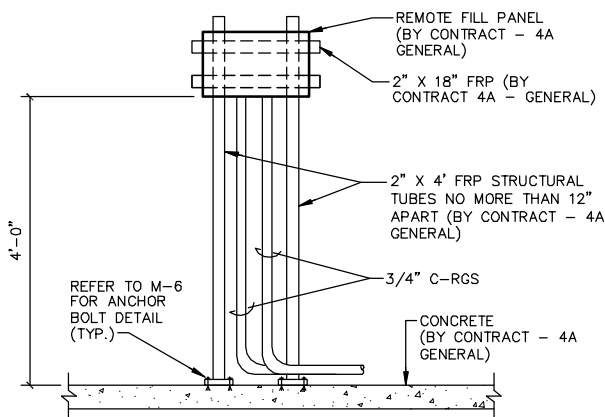


NOTE:

TANK OVERFILL ALARM FLOAT SHALL BE A NON-MERCURY, MECHANICAL FLOAT SWITCH.

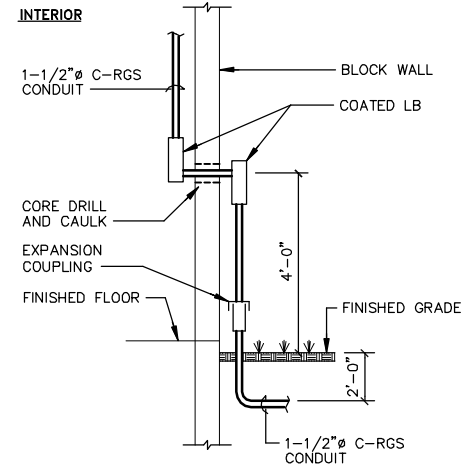
TANK OVERFILL ALARM FLOAT DETAIL

NOT TO SCALE



MOUNTING DETAIL

NOT TO SCALE

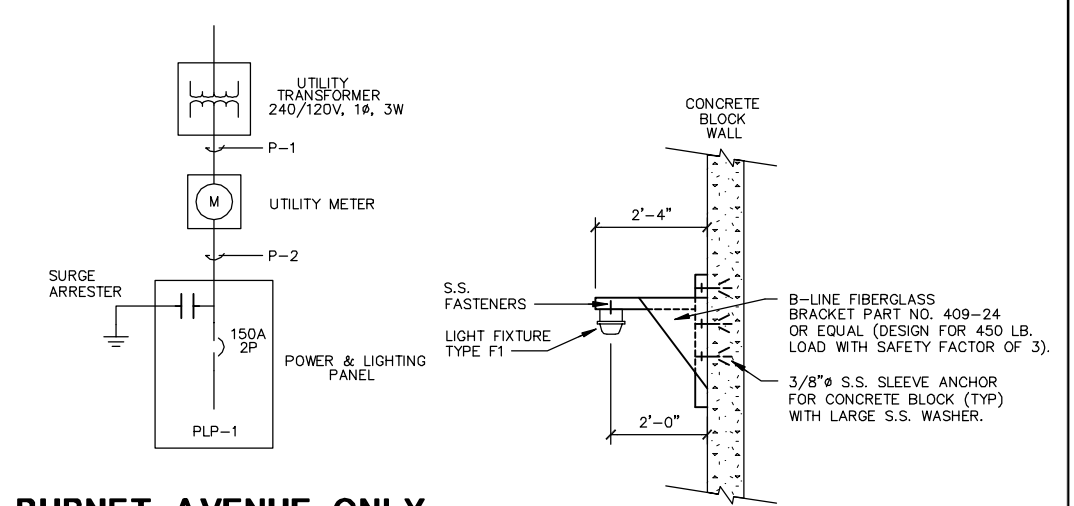


NOTE:

CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES.

DETAIL A

NOT TO SCALE

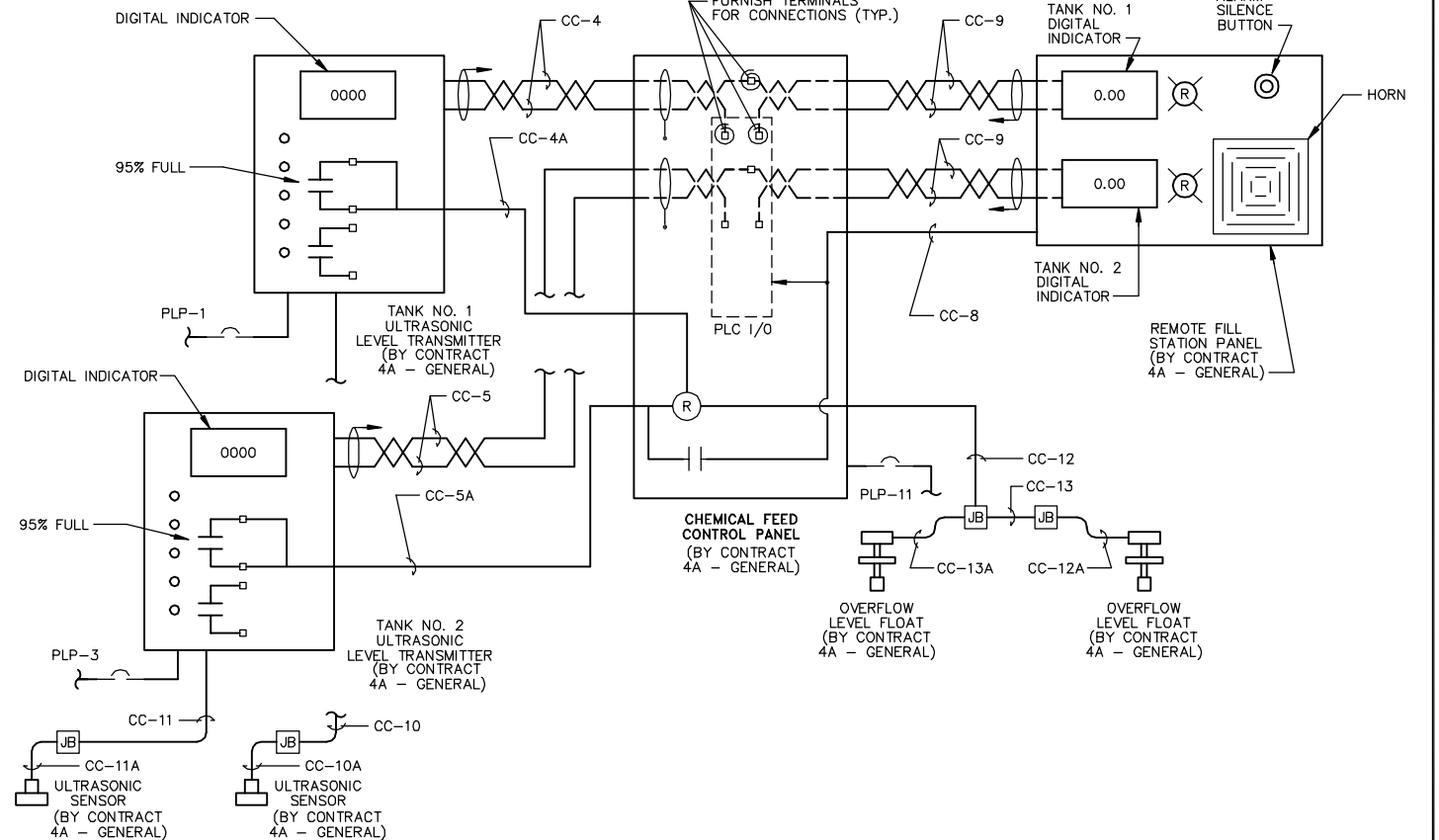


BURNET AVENUE ONLY ONE-LINE DIAGRAM

NOT TO SCALE

LIGHT SUPPORT DETAIL

NOT TO SCALE



STORAGE TANK NO. 1 LEVEL MONITORING DIAGRAM

(TYPICAL FOR TANK NO. 2)
NOT TO SCALE

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE,
INFORMATION AND BELIEF, THESE RECORD
DRAWINGS SUBSTANTIALLY REPRESENT
THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-DLD/CONT-MVB
S/01 SYR-54-DCC
00364026/RECORD/00364E05.DWG

Graphic Scale
NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
Designed by --- TEL/MEE ---
Drawn by --- DCC ---
Checked by --- TEL/MEE ---
Prof. Eng. --- DONALD GEISSER ---
PE License --- N.Y. 57879 ---

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
BREWERTON, WETZEL ROAD AND BURNET AVENUE

ONE-LINE DIAGRAM AND DETAILS

ELECTRICAL

File Number
003.64.104F
Date
MAY 2001
Blasland, Bouck & Lee, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

E-5

(RECORD DRAWING: MADE FROM DRAWING NO. E-5, FILE NO. 003.64.32F, DATED 1/99)

DATE _____ BY _____

CIRCUIT BREAKER PANELBOARD - PLP										SCHEDULE			
LOCATION:		BURNET AVE, SOUTH WALL, ELEC. RM.				FEED FROM		UTILITY					
MAIN BUS RATING:		225 AMPERES				120/240 VOLTS		1 PHASE, 3 WIRE					
MINIMUM SHORTCIRCUIT:		10,000 AMPERES				FEEDER CABLE		3 # 1/0, 1 #6 G, 1 1/2" CRGS					
MAIN BREAKER TRIP:		150 AMPERES				SURFACE MTD							
ESTIMATED CONNECTED LOAD:		11.92 KVA											
CKT. NO.	DESCRIPTION	C/B AMPS/POLES	LOAD TYPE	KVA	PH-A	PH-B	KVA	LOAD TYPE	C/B AMPS/POLES	DESCRIPTION	CKT. NO.		
1	GAS DUCT FURNACE	20/1P	HEAT	0.180	0.900		0.720	RECPT.	20/1P	CHEM. ROOM. RECPT.	2		
3	STRIP HEATER SH-1	20A	HEAT	1.500		1.500			20/1P	SPARE	4		
5		2P	HEAT	1.500	1.500				20/1P	SPARE	6		
7	SUPPLY FAN SF-1 (1/3 HP)	20/1P	MOTOR	0.865		0.945	0.080	MOTOR	20/1P	EXH. FAN EF-1 (1/50 HP)	8		
9	EYEWASH HEAT TRACE, GFCI	20/1P	HEAT	0.180	0.540		0.360	RECPT.	20/1P	EXTERIOR RECPT.	10		
11	CHEM FEED PANEL	20/1P	INST.	0.180		0.360	0.180	RECPT.	20/1P	ELECTRIC ROOM RECPT.	12		
13	ELECTRIC ROOM LTS.	20/1P	LIGHTS	0.359	0.539		0.180	RECPT.	20/1P	TELEPHONE BOARD RECPT.	14		
15	EXTERIOR LIGHTS	20/1P	LIGHTS	0.525		0.705	0.180	INST.	20/1P	FLOW METER NO. 1	16		
17	CHEM. STORAGE LTS.	20/1P	LIGHTS	0.849	1.029		0.180	INST.	20/1P	FLOW METER NO. 2	18		
19	EXIT LIGHT	20/1P	LIGHTS	0.040		0.786	0.746	MOTOR	20A	EXH. FAN EF-2 (2 HP)	20		
21	ULTRASONIC LEVEL TANK 1	20/1P	INST.	0.015	0.761		0.746	MOTOR	2P		22		
23	ULTRASONIC LEVEL TANK 2	20/1P	INST.	0.015		0.015			20/1P		24		
25		20/1P			0.000				20/1P		26		
27		20/1P				0.000			20/1P		28		
29		20/1P			0.588		0.588	MOTOR	20A	CHEM. PUMP NO. 2	30		
31	CHEM. PUMP NO. 1	20A	MOTOR	0.588		1.160	0.588	MOTOR	2P		32		
33		2P	MOTOR	0.588	0.588				20/1P		34		
35		20/1P				0.000			20/1P		36		
37		20/1P			0.000				20/1P		38		
39		20/1P				0.000			20/1P		40		
41		20/1P			0.000				20/1P		42		
LOAD SUMMARY				7.376	6.437	5.471	4.548						

* ALL CONDUCTORS TO BE #12 IN 3/4 INCH CONDUIT UNLESS OTHERWISE INDICATED ON ONE LINE DIAGRAM

CIRCUIT BREAKER PANELBOARD - PLP										SCHEDULE			
LOCATION:		BREWERTON CHEMICAL FEED BLDG				FEED FROM		10 KVA TRANSFORMER/MCC					
MAIN BUS RATING:		100 AMPERES				120/240 VOLTS		1 PHASE, 3 WIRE					
MINIMUM SHORTCIRCUIT:		10,000 AMPERES				FEEDER CABLE		3 # 8, 1 #10 G, 3/4" CRGS					
MAIN BREAKER TRIP:		50 AMPERES				SURFACE MTD							
ESTIMATED CONNECTED LOAD:		3.56 KVA											
CKT. NO.	DESCRIPTION	C/B AMPS/POLES	LOAD TYPE	KVA	PH-A	PH-B	KVA	LOAD TYPE	C/B AMPS/POLES	DESCRIPTION	CKT. NO.		
1	ULTRASONIC LEVEL TANK 1	20/1P	INST.	0.015	0.735		0.720	RECPT.	20/1P	CHEM. ROOM. RECPT.	2		
3	ULTRASONIC LEVEL TANK 2	20/1P	INST.	0.015		0.880	0.865	MOTOR	20/1P	CHEM. PUMP NO. 1 (1/3 HP)	4		
5	SPARE	20/1P			0.865		0.865	MOTOR	20/1P	CHEM. PUMP NO. 2 (1/3 HP)	6		
7	SPARE	20/1P				0.000			20/1P	SPARE	8		
9	SPARE	20/1P			0.360		0.360	RECPT.	20/1P	EXTERIOR RECPT.	10		
11	CHEM FEED PANEL	20/1P	INST.	0.180		0.360	0.180	HEAT	20/1P	EYEWASH HEAT TRACE, GFCI	12		
13	SPARE	20/1P			0.000				20/1P	SPARE	14		
15	SPARE	20/1P				0.000	0.180	INST.	20/1P	FLOW METER NO. 1	16		
17	SPARE	20/1P			0.180		0.180	INST.	20/1P	FLOW METER NO. 2	18		
19	SPARE	20/1P				0.000			20/1P	SPARE	20		
LOAD SUMMARY				0.210	2.140	1.240	3.350						

* ALL CONDUCTORS TO BE #12 IN 3/4 INCH CONDUIT UNLESS OTHERWISE INDICATED ON ONE LINE DIAGRAM

CIRCUIT BREAKER PANELBOARD - PLP										SCHEDULE			
LOCATION:		BALDWINVILLE GALLERY 6				FEED FROM		10 KVA TRANSFORMER/MCC 9					
MAIN BUS RATING:		100 AMPERES				120/240 VOLTS		1 PHASE, 3 WIRE					
MINIMUM SHORTCIRCUIT:		10,000 AMPERES				FEEDER CABLE		3 # 8, 1 #10 G, 3/4" CRGS					
MAIN BREAKER TRIP:		50 AMPERES				SURFACE MTD							
ESTIMATED CONNECTED LOAD:		4.82 KVA											
CKT. NO.	DESCRIPTION	C/B AMPS/POLES	LOAD TYPE	KVA	PH-A	PH-B	KVA	LOAD TYPE	C/B AMPS/POLES	DESCRIPTION	CKT. NO.		
1	ULTRASONIC LEVEL TANK 1	20/1P	INST.	0.015	0.735		0.720	RECPT.	20/1P	CHEM. ROOM. RECPT.	2		
3	ULTRASONIC LEVEL TANK 2	20/1P	INST.	0.015		0.880	0.865	MOTOR	20/1P	CHEM. PUMP NO. 1 (1/3 HP)	4		
5	SPARE	20/1P			0.825		0.865	MOTOR	20/1P	CHEM. PUMP NO. 2 (1/3 HP)	6		
7	SPARE	20/1P				0.180	0.180	HEAT	20/1P	EYEWASH HEAT TRACE, GFCI	8		
9	SPARE	20/1P			0.360		0.360	RECPT.	20/1P	EXTERIOR RECPT.	10		
11	CHEM FEED PANEL	20/1P	INST.	0.180		0.360	0.180	RECPT.	20/1P	RECPT. AT PLP	12		
13	CHEM. FEED LTS.	20/1P		0.192	0.192				20/1P	SPARE	14		
15	SPARE	20/1P				0.000	0.180	INST.	20/1P	FLOW METER NO. 1	16		
17	CHEM. STORAGE LTS.	20/1P	LIGHTS	0.849	1.029		0.180	INST.	20/1P	FLOW METER NO. 2	18		
19	EXIT LIGHT	20/1P	LIGHTS	0.040		0.040			20/1P	SPARE	20		
LOAD SUMMARY				1.291	3.141	1.460	3.530						

* ALL CONDUCTORS TO BE #12 IN 3/4 INCH CONDUIT UNLESS OTHERWISE INDICATED ON ONE LINE DIAGRAM

RECORD DRAWINGS
TO THE BEST OF OUR KNOWLEDGE,
INFORMATION AND BELIEF, THESE RECORD
DRAWINGS SUBSTANTIALLY REPRESENT
THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

X: 00364X00.DWG
L: ON=*, OFF=REF
P: CONT-D.D/CONT-MVB
5/01 SYR-54-DCC
00364026/RECORD/00364E06.DWG

Graphic Scale	No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
Designed by --- TEL/MEE ---
Drawn by --- DCC ---
Checked by --- TEL/MEE ---
Prof. Eng. --- DONALD GEISSER ---
PE License --- N.Y. 57879 ---

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE - SENECA KNOLLS,
BREWERTON, WETZEL ROAD AND BURNET AVENUE

PANEL SCHEDULES

ELECTRICAL

DATE _____ BY _____
File Number
003.64.105F
Date
MAY 2001
Blasland, Bouck & Lee, Inc.
Corporate Headquarters
6723 Towpath Road
Syracuse, NY 13214
315-446-9120

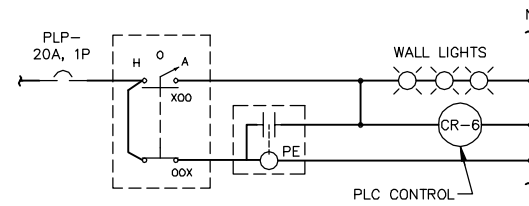
E-6

BURNET AVE. CHEMICAL FEED STATION / CONDUIT SCHEDULE				
OKT. NO.	CONDUIT SIZE	NO./SIZE CONDUCTORS	FROM	TO
P-1	1 1/2" CRGS	3 # 1/0	RISER POLE	UTILITY METER
P-2	1 1/2" CRGS	3 # 1/0, 1 # 6 G	UTILITY METER	PLP
PLP - 1	3/4" CRGS	2 # 12, 1 # 12 G	PLP	GAS DUCT FURNACE
PLP - 2	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEM. RM. RECPT.
PLP - 3,5	3/4" CRGS	2 # 12, 1 # 12 G	PLP	STRIP HEATER SH-1
PLP - 4	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEMICAL PUMP 1
PLP - 6	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEMICAL PUMP 2
PLP - 7	3/4" CRGS	2 # 12, 1 # 12 G	PLP	SUPPLY FAN SF-1
PLP - 8	3/4" CRGS	2 # 12, 1 # 12 G	PLP	EXHAUST FAN EF-1
PLP - 9	3/4" CRGS	2 # 12, 1 # 12 G	PLP, GFCI	EYEWASH HEAT TRACE
PLP - 10	3/4" CRGS	2 # 12, 1 # 12 G	PLP	EXTERIOR RECPT.
PLP - 11	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEM FEED PANEL
PLP - 12	3/4" CRGS	2 # 12, 1 # 12 G	PLP	ELEC. RM. RECPT.
PLP - 13	3/4" CRGS	2 # 12, 1 # 12 G	PLP	ELEC. RM. LIGHTS
PLP - 14	3/4" CRGS	2 # 12, 1 # 12 G	PLP	TELEPHONE BOARD
PLP - 15	3/4" CRGS	2 # 12, 1 # 12 G	PLP	EXTERIOR LIGHTS
PLP - 16	3/4" CRGS	2 # 12, 1 # 12 G	PLP	FLOW METER 1
PLP - 17	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEM. STG. LTS.
PLP - 18	3/4" CRGS	2 # 12, 1 # 12 G	PLP	FLOW METER 2
PLP - 19	3/4" CRGS	2 # 12, 1 # 12 G	PLP	EXIT LIGHT
PLP - 20,22	3/4" CRGS	2 # 12, 1 # 12 G	PLP	EXHAUST FAN EF-2
PLP - 21	3/4" CRGS	2 # 12, 1 # 12 G	PLP	TANK LEVEL 1
PLP - 23	3/4" CRGS	2 # 12, 1 # 12 G	PLP	TANK LEVEL 2
PLP - 24				NOT USED
PLP - 25				NOT USED
CC - 1	1 1/2" CRGS	PULL STRING	RISER POLE	TELEPHONE BOARD
CC - 2	3/4" CRGS	4 # 22 TELEPHONE	TELEPHONE BOARD	WALL PHONE
CC - 3	3/4" CRGS	4 # 22 TELEPHONE	TELEPHONE BOARD	CHEM FEED PANEL
CC - 4	3/4" CRGS	TSP # 16	CHEM FEED PANEL	TANK 1 LEVEL TRANS
CC - 4A	3/4" CRGS	6 # 14, TSP # 16	CHEM FEED PANEL	TANK 1 LEVEL TRANS
CC - 5	3/4" CRGS	TSP # 16	CHEM FEED PANEL	TANK 2 LEVEL TRANS
CC - 5A	3/4" CRGS	6 # 14, TSP # 16	CHEM FEED PANEL	TANK 2 LEVEL TRANS
CC - 6	3/4" CRGS	TSP # 16	CHEM FEED PANEL	TANK 2 LEVEL TRANS.
CC - 7	3/4" CRGS	2 # 14	CHEM FEED PANEL	SUMP HIGH LEVEL
CC - 8	3/4" CRGS	12 # 14, 1 # 14 G	CHEM FEED PANEL	REMOTE FILL PANEL
CC - 9	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	REMOTE FILL PANEL
CC - 10	3/4" CRGS	RG 62A/U	TANK 1 LEVEL TRANS	JB ABOVE TANK 1
CC - 10A	1" LIQUID TITE	MANUF. CABLE	JB ABOVE TANK 1	TK LEVEL TRANS.
CC - 11	3/4" CRGS	RG 62A/U	TANK 2 LEVEL TRANS	JB ABOVE TANK 2
CC - 11A	1" LIQUID TITE	MANUF. CABLE	JB ABOVE TANK 2	TK LEVEL TRANS.
CC - 12	3/4" CRGS	4 # 14	CHEM FEED PANEL	JB ABOVE TANK 2
CC - 12A	3/4" CRGS	2 # 14	JB ABOVE TANK 2	TANK 2 LEVEL FLOAT
CC - 13	3/4" CRGS	2 # 14	JB ABOVE TANK 2	JB ABOVE TANK 1
CC - 13A	3/4" CRGS	2 # 14	JB ABOVE TANK 1	TANK 1 LEVEL FLOAT
CC - 14	3/4" CRGS	2 # 14	CHEM FEED PANEL	EYE WASH FLOW SW.
CC - 15	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	JB AT FLOW METERS
CC - 15A	3/4" LIQUID TITE	2 TSP # 16	JB AT FLOW METERS	FLOW METER 2
CC - 15B	3/4" LIQUID TITE	2 TSP # 16	JB AT FLOW METERS	FLOW METER 1
CC - 16	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	JB AT PRESS. SW
CC - 16A	3/4" LIQUID TITE	TSP # 16	JB AT PRESS. SW	PRESS SW 1
CC - 16B	3/4" LIQUID TITE	TSP # 16	JB AT PRESS. SW	PRESS SW 2
CC - 17	3/4" CRGS	8 # 14	CHEM FEED PANEL	JB AT PUMP 2
CC - 17A	3/4" CRGS	TSP # 16	JB AT PUMP 2	PUMP 2 LEAK ALARM
CC - 18	3/4" CRGS	2 # 14	JB AT PUMP 2	JB AT PUMP 1
CC - 18A	3/4" CRGS	TSP # 16	JB AT PUMP 1	PUMP 1 LEAK ALARM
CC - 19	3/4" CRGS	TSP # 16	CHEM FEED PANEL	CHEM RM. TEMP. TRANS.
CC - 20	3/4" CRGS	2 # 14	CHEM FEED PANEL	VENT. AIR FLOW SW.
CC - 21	3/4" CRGS	4 # 14	EF-2 STARTER	DAMP. MOT. & END SW.
CC - 22	3/4" CRGS	4 # 14	EF-2 STARTER	START/STOP SWITCH
CC - 23	3/4" CRGS	4 # 14	EF-2 STARTER	START/STOP SWITCH
CC - 24	3/4" CRGS	2 TSP # 16	CHEM. FEED PANEL	PUMP 1
CC - 25	3/4" CRGS	2 TSP # 16	CHEM. FEED PANEL	PUMP 2
CC - 26	1-1/2" CRGS	2 # 14	CHEM. FEED PANEL	CHEMICAL MANHOLE
CC - 27	3/4" CRGS	4 # 14	CHEM. FEED PANEL	EXTERIOR LIGHTS
CC - 28	3/4" CRGS	8 # 14	CHEM. FEED PANEL	EXTERIOR EYE/SHOWER

WETZEL ROAD CHEMICAL FEED AREA / CONDUIT SCHEDULE				
OKT. NO.	CONDUIT SIZE	NO./SIZE CONDUCTORS	FROM	TO
LVP - 1				NOT USED
LVP - 2				NOT USED
LVP - 3				NOT USED
LVP - 4				NOT USED
LVP - 5				NOT USED
LVP - 6				NOT USED
LVP - 7				NOT USED
LVP - 8				NOT USED
LVP - 9				NOT USED
LVP - 10	3/4" CRGS	2 # 12, 1 # 12 G	LVP	TANK LEVEL 1
LVP - 11				NOT USED
LVP - 12	3/4" CRGS	2 # 12, 1 # 12 G	LVP	TANK LEVEL 2
LVP - 13				NOT USED
LVP - 14	3/4" CRGS	2 # 12, 1 # 12 G	LVP	EXTERIOR RECPT.
LVP - 15	3/4" CRGS	2 # 12, 1 # 12 G	LVP	CHEM FEED PANEL
LVP - 16	3/4" CRGS	2 # 12, 1 # 12 G	LVP	FLOW METER 1
LVP - 17	3/4" CRGS	2 # 12, 1 # 12 G	LVP	FLOW METER 2
LVP - 18	3/4" CRGS	2 # 12, 1 # 12 G	LVP	LIGHTS IN TANK BLDG.
LVP - 19	3/4" CRGS	2 # 12, 1 # 12 G	LVP	EXTERIOR LIGHT
LVP - 20				NOT USED
LVP - 21	3/4" CRGS	2 # 12, 1 # 12 G	LVP	CHEMICAL PUMP 1
LVP - 22	3/4" CRGS	2 # 12, 1 # 12 G	LVP	CHEM. RM. RECPT.
LVP - 23	3/4" CRGS	2 # 12, 1 # 12 G	LVP	CHEMICAL PUMP 2
LVP - 24				NOT USED
CC - 1	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	PUMP #1 DLC
CC - 2	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	PUMP #2 DLC
CC - 3				NOT USED
CC - 4	3/4" CRGS	TSP # 16	CHEM FEED PANEL	TANK 1 LEVEL TRANS
CC - 4A	3/4" CRGS	6 # 14, TSP # 16	CHEM FEED PANEL	TANK 1 LEVEL TRANS
CC - 5	3/4" CRGS	TSP # 16	CHEM FEED PANEL	TANK 2 LEVEL TRANS
CC - 5A	3/4" CRGS	6 # 14, TSP # 16	CHEM FEED PANEL	TANK 2 LEVEL TRANS
CC - 6				NOT USED
CC - 7	3/4" CRGS	2 # 14	CHEM FEED PANEL	SUMP HIGH LEVEL
CC - 8	3/4" CRGS	12 # 14, 1 # 14 G	CHEM FEED PANEL	REMOTE FILL PANEL
CC - 9	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	REMOTE FILL PANEL
CC - 10	3/4" CRGS	RG 62A/U	TANK 1 LEVEL TRANS	JB ABOVE TANK 1
CC - 10A	1" LIQUID TITE	MANUF. CABLE	JB ABOVE TANK 1	TK LEVEL TRANS.
CC - 11	3/4" CRGS	RG 62A/U	TANK 2 LEVEL TRANS	JB ABOVE TANK 2
CC - 11A	1" LIQUID TITE	MANUF. CABLE	JB ABOVE TANK 2	TK LEVEL TRANS.
CC - 12	3/4" CRGS	4 # 14	CHEM FEED PANEL	JB ABOVE TANK 2
CC - 12A	3/4" CRGS	2 # 14	JB ABOVE TANK 2	TANK 2 LEVEL FLOAT
CC - 13	3/4" CRGS	2 # 14	JB ABOVE TANK 2	JB ABOVE TANK 1
CC - 13A	3/4" CRGS	2 # 14	JB ABOVE TANK 1	TANK 1 LEVEL FLOAT
CC - 14	3/4" CRGS	2 # 14	CHEM FEED PANEL	EYE WASH FLOW SW.
CC - 15	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	JB AT FLOW METERS
CC - 15A	3/4" LIQUID TITE	2 TSP # 16	JB AT FLOW METERS	FLOW METER 2
CC - 15B	3/4" LIQUID TITE	2 TSP # 16	JB AT FLOW METERS	FLOW METER 1
CC - 16	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	JB AT PRESS. SW
CC - 16A	3/4" LIQUID TITE	TSP # 16	JB AT PRESS. SW	PRESS SW 1
CC - 16B	3/4" LIQUID TITE	TSP # 16	JB AT PRESS. SW	PRESS SW 2
CC - 17	3/4" CRGS	4 # 14	CHEM FEED PANEL	JB AT PUMP 2
CC - 17A	3/4" CRGS	TSP # 16	JB AT PUMP 2	PUMP 2 LEAK ALARM
CC - 17B	3/4" CRGS	4 # 14	JB AT PUMP 2	DLC
CC - 18	3/4" CRGS	2 # 14	JB AT PUMP 2	JB AT PUMP 1
CC - 18A	3/4" CRGS	TSP # 16	JB AT PUMP 1	PUMP 1 LEAK ALARM
CC - 18B	3/4" CRGS	4 # 14	JB AT PUMP 1	DLC
CC - 19	3/4" CRGS	TSP # 16	CHEM FEED PANEL	CHEM RM. TEMP. TRANS.
CC - 20	3/4" CRGS	2 # 14	CHEM FEED PANEL	VENT. AIR FLOW SW.
CC - 21	3/4" CRGS	2 # 14	CHEM FEED PANEL	EYEWASH FLOW SWITCH
CC - 22	3/4" CRGS	14 # 14	CHEM FEED PANEL	EXTERIOR LIGHTS

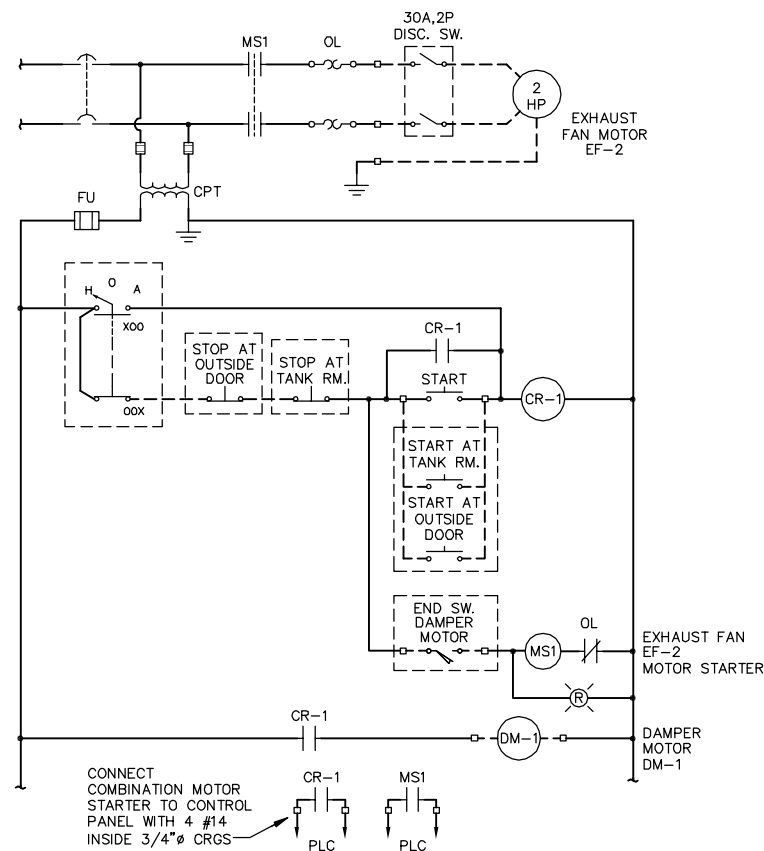
BREWERTON CHEMICAL FEED AREA / CONDUIT SCHEDULE				
OKT. NO.	CONDUIT SIZE	NO./SIZE CONDUCTORS	FROM	TO
P-1	3/4" CRGS	3 # 10, 1 # 10 G	MCC	DISC. SW.
P-2	3/4" CRGS	3 # 10, 1 # 10 G	DISC. SW.	TRANSFORMER
P-3	3/4" CRGS	3 # 8, 1 # 8 G	TRANSFORMER	PLP
PLP - 1	3/4" CRGS	2 # 12, 1 # 12 G	PLP	TANK LEVEL 1
PLP - 2	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEM. RM. RECPT.
PLP - 3	3/4" CRGS	2 # 12, 1 # 12 G	PLP	TANK LEVEL 2
PLP - 4	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEMICAL PUMP 1
PLP - 5				NOT USED
PLP - 6	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEMICAL PUMP 2
PLP - 7				NOT USED
PLP - 8				NOT USED
PLP - 9				NOT USED
PLP - 10,12	3/4" CRGS	4 # 12, 2 # 12 G	PLP-12, GFCI	EXTERIOR RECPT. & H.T.
PLP - 11	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEM FEED PANEL
PLP - 13				NOT USED
PLP - 14				NOT USED
PLP - 15				NOT USED
PLP - 16	3/4" CRGS	2 # 12, 1 # 12 G	PLP	FLOW METER 1
PLP - 17				NOT USED
PLP - 18	3/4" CRGS	2 # 12, 1 # 12 G	PLP	FLOW METER 2
PLP - 19				NOT USED
PLP - 20				NOT USED
CC - 1	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	PUMP #1 DLC
CC - 2	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	PUMP #2 DLC
CC - 3				NOT USED
CC - 4	3/4" CRGS	TSP # 16	CHEM FEED PANEL	TANK 1 LEVEL TRANS
CC - 4A	3/4" CRGS	6 # 14, TSP # 16	CHEM FEED PANEL	TANK 1 LEVEL TRANS
CC - 5	3/4" CRGS	TSP # 16	CHEM FEED PANEL	TANK 2 LEVEL TRANS
CC - 5A	3/4" CRGS	6 # 14, TSP # 16	CHEM FEED PANEL	TANK 2 LEVEL TRANS
CC - 6				NOT USED
CC - 7	3/4" CRGS	2 # 14	CHEM FEED PANEL	SUMP HIGH LEVEL
CC - 8	3/4" CRGS	12 # 14, 1 # 14 G	CHEM FEED PANEL	REMOTE FILL PANEL
CC - 9	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	REMOTE FILL PANEL
CC - 10	3/4" CRGS	RG 62A/U	CHEM FEED PANEL	JB ABOVE TANK 1
CC - 10A	1" LIQUID TITE	MANUF. CABLE	JB ABOVE TANK 1	TK LEVEL TRANS.
CC - 11	3/4" CRGS	RG 62A/U	CHEM FEED PANEL	JB ABOVE TANK 2
CC - 11A	1" LIQUID TITE	MANUF. CABLE	JB ABOVE TANK 2	TK LEVEL TRANS.
CC - 12	3/4" CRGS	4 # 14	CHEM FEED PANEL	JB ABOVE TANK 2
CC - 12A	3/4" CRGS	2 # 14	JB ABOVE TANK 2	TANK 2 LEVEL FLOAT
CC - 13	3/4" CRGS	2 # 14	JB ABOVE TANK 2	JB ABOVE TANK 1
CC - 13A	3/4" CRGS	2 # 14	JB ABOVE TANK 1	TANK 1 LEVEL FLOAT
CC - 14	3/4" CRGS	2 # 14	CHEM FEED PANEL	EYE WASH FLOW SW.
CC - 15	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	JB AT FLOW METERS
CC - 15A	3/4" LIQUID TITE	2 TSP # 16	JB AT FLOW METERS	FLOW METER 2
CC - 15B	3/4" LIQUID TITE	2 TSP # 16	JB AT FLOW METERS	FLOW METER 1
CC - 16	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	JB AT PRESS. SW
CC - 16A	3/4" LIQUID TITE	TSP # 16	JB AT PRESS. SW	PRESS SW 1
CC - 16B	3/4" LIQUID TITE	TSP # 16	JB AT PRESS. SW	PRESS SW 2
CC - 17	3/4" CRGS	4 # 14	CHEM FEED PANEL	JB AT PUMP 2
CC - 17A	3/4" CRGS	TSP # 16	JB AT PUMP 2	PUMP 2 LEAK ALARM
CC - 17B	3/4" CRGS	4 # 14	JB AT PUMP 2	DLC
CC - 18	3/4" CRGS	2 # 14	JB AT PUMP 2	JB AT PUMP 1
CC - 18A	3/4" CRGS	TSP # 16	JB AT PUMP 1	PUMP 1 LEAK ALARM
CC - 18B	3/4" CRGS	4 # 14	JB AT PUMP 1	DLC
CC - 19	3/4" CRGS	TSP # 16	CHEM FEED PANEL	CHEM RM. TEMP. TRANS.
CC - 20	3/4" CRGS	2 # 14	CHEM FEED PANEL	VENT. AIR FLOW SW.
CC - 21	3/4" CRGS	2 # 14	CHEM FEED PANEL	EYEWASH FLOW SWITCH

BALDWINVILLE CHEMICAL FEED AREA / CONDUIT SCHEDULE				
OKT. NO.	CONDUIT SIZE	NO./SIZE CONDUCTORS	FROM	TO
P-1	3/4" PVC	3 # 10, 1 # 10 G	MCC	DISC. SW.
P-2	3/4" CRGS	3 # 10, 1 # 10 G	DISC. SW.	TRANSFORMER
P-3	3/4" CRGS	3 # 8, 1 # 8 G	TRANSFORMER	PLP
PLP - 1	3/4" CRGS	2 # 12, 1 # 12 G	PLP	TANK LEVEL 1
PLP - 2	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEM. RM. RECPT.
PLP - 3	3/4" CRGS	2 # 12, 1 # 12 G	PLP	TANK LEVEL 2
PLP - 4	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEMICAL PUMP 1
PLP - 5				NOT USED
PLP - 6	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEMICAL PUMP 2
PLP - 7				NOT USED
PLP - 8				NOT USED
PLP - 9				NOT USED
PLP - 8,10	3/4" CRGS	4 # 12, 2 # 12 G	PLP-8, GFCI	EXTERIOR RECPT. & H.T.
PLP - 11	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEM FEED PANEL
PLP - 12	3/4" CRGS	2 # 12, 1 # 12 G	PLP	RECPT. AT PLP
PLP - 13	3/4" CRGS	2 # 12, 1 # 12 G	PLP	FEED PANEL LIGHTS
PLP - 14				NOT USED
PLP - 15				NOT USED
PLP - 16	3/4" CRGS	2 # 12, 1 # 12 G	PLP	FLOW METER 1
PLP - 17	3/4" CRGS	2 # 12, 1 # 12 G	PLP	CHEM. STORAGE LIGHTS
PLP - 18	3/4" CRGS	2 # 12, 1 # 12 G	PLP	FLOW METER 2
PLP - 19	3/4" CRGS	2 # 12, 1 # 12 G	PLP	EXIT SIGN
PLP - 20				NOT USED
CC - 1	3/4" CRGS	TWO TSP # 16	CHEM FEED PANEL	PUMP #1 DLC
CC - 2	3/4" CRGS	TWO TSP # 16	CHEM FEED PANEL	PUMP #2 DLC
CC - 3				NOT USED
CC - 4	3/4" CRGS	TSP # 16	CHEM FEED PANEL	TANK 1 LEVEL TRANS
CC - 4A	3/4" CRGS	6 # 14, TSP # 16	CHEM FEED PANEL	TANK 1 LEVEL TRANS
CC - 5	3/4" CRGS	TSP # 16	CHEM FEED PANEL	TANK 2 LEVEL TRANS
CC - 5A	3/4" CRGS	6 # 14, TSP # 16	CHEM FEED PANEL	TANK 2 LEVEL TRANS
CC - 6				NOT USED
CC - 7	3/4" CRGS	2 # 14	CHEM FEED PANEL	SUMP HIGH LEVEL
CC - 8	3/4" CRGS	12 # 14, 1 # 14 G	CHEM FEED PANEL	REMOTE FILL PANEL
CC - 9	3/4" CRGS	2 TSP # 16	CHEM FEED PANEL	REMOTE FILL PANEL



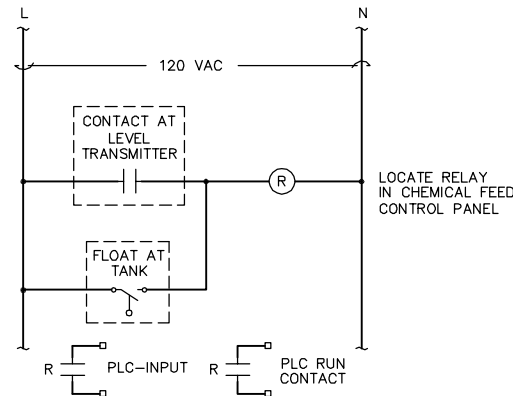
EXTERIOR LIGHTS

NOT TO SCALE



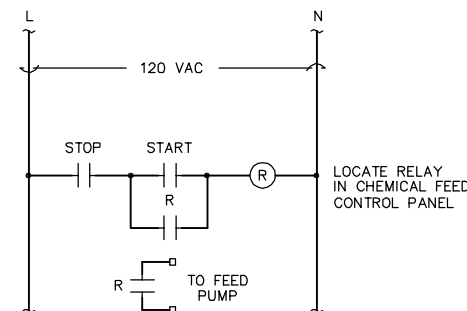
EXHAUST FAN NO. 2

NOT TO SCALE



TANK HIGH LEVEL ALARM

NOT TO SCALE



CHEMICAL FEED PUMP START-STOP

NOT TO SCALE

NOTES:

1. THIS DIAGRAM WAS REVISED DURING CONSTRUCTION. REFER TO ELECTRICAL INTERCONNECTION DATA SHEETS AND CHEMICAL METERING PUMP MANUFACTURER'S OPERATION AND MAINTENANCE MANUAL FOR ADDITIONAL INFORMATION.
2. BURNET AVENUE CHEMICAL FEED PUMPS ARE 240 VOLT.

X: 00364X00.DWG
 L: ON=*, OFF=REF
 P: CONT-D.D/CONT-MVB
 5/01 SYR-54-DCC
 00364026/RECORD/00364E08.DWG

RECORD DRAWINGS
 TO THE BEST OF OUR KNOWLEDGE,
 INFORMATION AND BELIEF, THESE RECORD
 DRAWINGS SUBSTANTIALLY REPRESENT
 THE PROJECT AS CONSTRUCTED.
BLASLAND, BOUCK & LEE, INC.

(RECORD DRAWING: MADE FROM DRAWING NO. E-8, FILE NO. 003.64.35F, DATED 1/99)

DATE _____ BY _____

No.	Date	Revisions	Init

Project Mgr. --- C.J.L. ---
 Designed by --- TEL/MEE ---
 Drawn by --- DCC ---
 Checked by --- TEL/MEE ---
 Prof. Eng. --- DONALD GEISSER ---
 PE License --- N.Y. 57879 ---



COUNTY OF ONONDAGA, DEPARTMENT OF DRAINAGE AND SANITATION • SYRACUSE, N.Y.
 CHEMICAL STORAGE AND FEED FACILITIES AT BALDWINVILLE – SENECA KNOLLS,
 BREWERTON, WETZEL ROAD AND BURNET AVENUE

ELEMENTARY DIAGRAMS

ELECTRICAL

File Number
 003.64.107F
 Date
 MAY 2001
 Blasland, Bouck & Lee, Inc.
 Corporate Headquarters
 6723 Towpath Road
 Syracuse, NY 13214
 315-446-9120

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW