

ENGINEERING DEPARTMENT
UNION CARBIDE CHEMICALS DIVISION

(COMPOSITE)
DESIGN REPORT

PART VI - ADDITIONS TO PRODUCT HANDLING

POLYETHYLENE UNIT - PLANT 510

PROJECT 64-12

930-6547

PORT LAVACA, TEXAS

NOVEMBER 24, 1964

017422

DESIGN REPORT
HIGH PRESSURE POLYETHYLENE
PLANT NO. 1 EXPANSION
SEADRIFT PLANT

PART VI - ADDITIONS TO PRODUCT HANDLING

930-6547

Written by: J. F. Tamborello

Notes: Leak testing as requested for the piping is not
to be added on any design that are to be issued
to Union Carbide. D.F. Peyton requested this. E. M. 12/10/64
W.F.

ENGINEERING DEPARTMENT
UNION CARBIDE CHEMICALS DIVISION
PORT LAVACA, TEXAS

NOVEMBER 24, 1964

017423

Design Report
High Pressure Polyethylene Expansion
Project 64-12
Seadrift Plant

Part VI - Additions to Product Handling

930-6547

Foreword

This section of the design report describes and specifies both the new product handling facilities and revisions to existing systems required by expansion project 64-12. Modifications and additions to be made are described in the report as follows:

- Job I - Install van box unloading system to B-59, 60 and 61.
Install transfer system from B-59, 60 and 61 to the capacity hoppers of three hot processing lines.
- Job II - Relocate a diverter valve so that No. 2 conveying system can service both the north and south van box loading stations.

Relocate diverter so that No. 2 conveying system services the "A" bagger rather than the Vredomatic packer.

Revise No. 2 blower suction and discharge piping to permit (a) unloading Poly "A" resin through isolated header and (b) discharging to bulk bins B-16 thru B-39.
- Job III - Redirect hot processing make from bins B-34 thru B-39 to bins B-50 thru B-54 and B-56 thru B-61.

Redirect hot processing make from B-32 and B-33 to B-24 and B-25.
- Job IV - Redirect 5 direct make lines to P-1 thru P-4 and P-7 to bins B-5 thru B-9.

Redirect existing direct make line from bin P-5 to 3" switch station 2nd level Bldg. 101.
- Job V - Add 6 direct make lines from product room to bins B-34 thru B-39.

Redirect product make lines from B-24 and B-25 to B-32 and B-33.

Job I

Install Van Box Unloading System to B-59, 60 and 61
Install Transfer System from B-59, 60 and 61
to Capacity Hoppers Serving Nos. 1, 2 and 3
Hot Processing Systems

Equipment List

SK-80519

All new equipment and piping purchased and installed on this job is to be charged to 930-6547. All equipment and piping relocated to be charged to 09413-09-29950. All new piping is to be sandblasted internally before installation.

→ 6547E-6101 - BLOWER (None Required)

- 1) Relocate existing blower (with drive motor property number 6213-1713) along with its starter, motor and filter to the area under bins B-58 thru B-61. Blower and its associated equipment is now mounted on a dolly.
- 2) Route 4" schedule 40 aluminum discharge pipe from blower through an existing trench under railroad tracks to supply air to fluidizer (Property Number 6336-017).
- 3) Supply 440 power to blower motor.

PEM2-1302 - BLOWER (None Required)

Existing Roots Connersville blower to remain at its present location.

Replace 4" discharge piping with 6" piping C-6106. Use Morris couplings or similar type on this line.

Remove 5.8" PD sheave from motor and replace with sheave of following size:

6.1 Pitch Diameter
4B Groove
1 5/8" Bore
3/16 x 3/8 KS Taper Lock

Field check existing pulleys on blower and motor to confirm that existing pulley sizes are 20 and 5.8 PD.

—> 6547E-6102 - FLUIDIZER VALVE (None Required)

- 1) Relocate existing fluidizer valve (Property No. 6336-017) along with its motor and controls to a fixed position at van box unloading station.
- 2) Fluidizer valve is to be located above the position now occupied by the west 8" airveyor piping which is now serving the van box unloading station and which is to be removed.
- 3) Fluidizer valve to be located along with its adapter piece 6547E-6102A in such a position and at such an elevation to provide a 45° angle for simultaneous flow from two van box connections during the unloading process.
- 4) Supply 440 power to fluidizer.

6547E-6102A - ADAPTER PIECE (1 Required)

Stainless steel or aluminum adapter piece permanently attached to fluidizer 6547E-6102 with two inlet connections to accommodate flexible hose connections to two van box unloading ports.

6547E-6102B

6547E-6102C - FLEXIBLE HOSES (Two Required - Not Shown on Flow Diagram)

Three or 4" flexible hoses to connect from two unloading nozzles on van box to two positions on adapter piece 6547E-6102A.

Flexible hoses to be fabricated in accordance with instructions from operating personnel and material stocked in plant stores.

6547E-6102D - FLEXIBLE HOSE (One Required)

To connect 3" schedule 40 aluminum piping C-6102 to any one of three lines (C-6103, C-6104 or C-6105) at switch station located south of bins 60 and 61.

3" flexible hoses to be fabricated in accordance with instructions from operating personnel and from material stocked in plant stores.

→ 6547E-6103 - ROTARY VALVE, PORTABLE (None Required)

- 1) Relocate existing rotary valve 6336-20 along with its drive motor under bins B-59, B-60 and B-61.
- 2) Existing rotary valve and motor is now mounted on a dolly and in its new service will continue to be portable for hook up to any of the 3 bins B-59, B-60 and B-61.
- 3) Supply 440 plug-in power to rotary valve.
- 4) 8" conveying lines now servicing B-59, 60 and 61 are to be moved if necessary to make possible the easy attachment of rotary valve to bins.

6547E-6103A - ADAPTER PIECE (One Required)

One adapter piece permanently mounted on rotary valve 6547E-6103 to connect to slide gate valves serving bins B-59, B-60 and B-61. Fabricate from aluminum or stainless steel.

6547E-6103B - FLEXIBLE HOSE (One Required)

One 6" flexible hose to connect to 6" discharge pipe of existing blower PEM2-1302 and to inlet air line under rotary valve 6547E-6103. Flexible hose to be of such length to allow hook up of rotary valve to blower discharge when the rotary valve is connected to bins B-59, B-60 or B-61. Hose to be fabricated per instructions from operating personnel and from material stocked in plant stores. Line C-6106 to terminate in a central location to minimize length of 6547E-6103B.

6547E-6103C - FLEXIBLE HOSE (One Required)

One 4" flexible hose to connect to 4" outlet from rotary valve 6547E-6103 to 4" line C-6107. Flexible hose to be of sufficient length to permit connection of rotary valve to C-6107 when rotary valve is attached to either bins B-59, B-60 or B-61. Hose to be fabricated per instruction from the operations department and from material in plant stores. Line C-6107 to be located in such a position to minimize the length of 6547E-6103C.

6547E-6104, 6105 - DIVERTER VALVES (Two Required - shown on SK-80520)

Two position, 4" tunnel type aluminum or stainless steel diverter valve with pneumatic operators.

To be selected and specified in detail later.

6547E-6106 - CONTROL SYSTEM

To automatically control the conveying of polyethylene from either bins B-59, B-60, or B-61 to one of three hot processing unit capacity hoppers (Compartment 2). System to operate in the following manner:

- 1) Physically connect rotary valve 6547E-6103 to either bins B-59, B-60 or B-61 and connect flexible hoses from 6547E-6103 to C-6106 and C-6107.
- 2) *Spinn Switch existing ^*
Operate switch, mounted on No. 3 hot processing control panel, to select the discharge point of resin.
Selector switch to select the No. 2 chamber of the capacity hopper servicing either the No. 1, No. 2 or No. 3 hot processing units.
 - a) In position 1, diverter valves 6547E-6104 and 6105 are to be in the straight thru position to channel resin to No. 1 hot processing capacity hopper.
 - b) In position 2, diverter valve 6547E-6104 is to be in the straight thru position and 6547E-6105 is to be in position to direct resin flow to No. 2 hot processing capacity hopper.
 - c) In position 3, diverter valve 6547E-6104 is to divert resin directly into the No. 3 hot processing unit capacity hopper.
- 3) Blower PEM2-1302 and rotary valve 6547E-6103 to have manual start and stop buttons on hot processing scale panel near selector switch and an automatic operation selector switch. *(L.O.P.) FOR BLOWER & ROTARY VALVE?*
- 4) When blower PEM2-1302 and rotary valve switches are in automatic position, the conveying system shall operate in the following manner:
 - a) When the low level bindicator on the selected hot processing capacity hopper is operated indicating a low level, blower PEM2-1302 is to start.
 - b) After a 30 second delay rotary valve 6547E-6103 starts and resin is conveyed to the selected capacity hopper.
 - c) When high level bindicator on capacity hopper is actuated, indicating a high level in the selected hopper, rotary valve 6547E-6103 stops.
 - d) After a 30 second delay blower PEM2-1302 automatically stops.
 - e) Blower PEM2-1302 and rotary valve 6547E-6103 are to have disconnect switches at their physical location for safety purposes.

See Instrument Specification SK-510-6547-6106.

Job II

Relocate diverter valve so that No. 2 conveying system can service both the north and south van box loading stations.

Relocate diverter so that No. 2 conveying system services the "A" grade bagger rather than the Vredomatic packer.

Revise No. 2 conveying system suction and discharge piping to permit:

- a) Unloading Poly "A" resin through isolated header.
- b) Discharging to B-16 thru B-39.

SK-80520

- 1) Diverter valve 6336-1027 is now located in the No. 2 conveying system piping to the Vredomatic packer. Its purpose was to divert the flow to the old (obsolete) corrugated box loading station. Piping from the diverter to old corrugated box loading station is disconnected and blinded off.

Remove diverter valve 6336-1027 and the old piping lead to the old corrugated box loading station. Install spool to replace the diverter valve in No. 2 conveyor piping.

- 2) Install diverter valve 6336-1027 in discharge line from No. 2 conveying system at van box loading station. No. 2 conveying system now services only the north loading spot. Diverter valve in its new position is to make possible loading to either the north or south loading spot.

- 3) Install ~~existing~~ electro pneumatic controls for diverter valve on van box control panel.

See instrument sketch 510-930-6547-1027.

- 4) Install sample tube for the south loading spot similar to existing samples on north loading spot.
- 5) Remove diverter in No. 2 conveying line now servicing the Vredomatic packer. Install spool. Relocate diverter to a position east of No. 3 cyclone (on "A" grade bagger), in the No. 2 conveying system discharge line - connect diverter to No. 3 cyclone.
- 6) Sandblast internal surfaces of all new pipe installed.
- 7) Provide one new van box loading spout item 6547-6201.
- 8) Make minor rearrangements in suction and discharge piping of the No. 2 conveying system at the direction of operating personnel.

Job III

Redirect Hot Processing Make From Bins B-34 thru
B-39 to Bins B-48 thru B-59
Redirect Hot Processing Make From B-32 and B-33 to
B-24 and B-25

SK-80520

- 1) Disconnect and remove 4" conveying piping from bins B-34 thru B-39 to point of exit on high roof of Bldg. 101.
- 2) Inspect, clean or sandblast internal walls of this piping if required.
- 3) Relocate piping removed to form 11 conveying lines from the switch stations in hot processing to bins B-48 thru B-58.
 - a) Piping shall extend from switching station south of No. 3 hot processing system to bins B-49, B-51, B-53, B-55, and B-57.
 - b) Piping shall extend from switching station south of No. 2 hot processing lines to bins B-48, B-50, B-52, B-54, B-56 and B-58.
- 4) Redirect hot processing make from B-32 and B-33 to B-24 and B-25.
- 5) Label all lines at switching stations with proper destination description.
- 6) Blank off and leave intact the 4" entry nozzles into bins B-32 thru B-39.
- 7) Install new conveying piping bridge to handle additional piping. Locate new bridge to minimize length of conveying line.
- 8) Charge all work to relocate existing piping to 09413-09-29950.
- 9) Charge all cost of purchase and installation of any new piping to 930-6547.

Job IV

Redirect 5 Direct Make Lines from P-1 thru P-4 and P-7
to B-5 thru B-9

Redirect Existing Direct Make Line from Bin P-5
to 3" Switch Station 2nd Level Bldg. 101

SK-80521

- 1) Disconnect and remove existing direct make lines to bins P-1 thru P-5 and to P-7 from just inside Bldg. 101 on 3rd level.
- 2) Use piping removed and new pipe to redirect the existing make lines ^{to} P-1 thru P-4 and P-7 to B-5 thru B-9.
 - a) ^{FROM} Use minimum number of bends and select shortest ^{FOR 3" LINE} ~~practical~~ route.
 - b) Connect extensions to B-5 thru B-9 into small cyclone on top of each bin B-5 thru B-9.
- 3) Add piping to redirect the direct make line previously servicing P-5 to the 3" switch station on second level of Bldg. 101.
- 4) Charge the purchase and installation of all new piping, fittings and equipment required for this job to 930-6547.
- 5) Charge all work to remove and relocate existing piping to 03711-9-28945.
- 6) 3" conveying piping servicing B-1 thru B-15 (excluding B-4) from ground level can be removed and used for this job.
- 7) Sandblast the internal walls of all new piping installed. Old piping removed to be inspected and sandblasted if necessary.
- 8) Label all lines in product room switch station with proper bin or destination description.

Job V

Add 6 Direct Make Lines From Product Room
to Bins B-34 thru B-39
Redirect Product Make Lines from B-24 and
B-25 to B-32 and B-33

SK-80522

- 1) Six new lines are to be installed paralleling existing direct make lines.
- 2) Revise supports as required to handle additional piping.
- 3) New piping C-6501 thru C-6506 is to terminate in product room switch station so that connection to existing flexible hoses can be made.
- 4) Existing conveying line to B-24 and B-25 are to be disconnected from B-24 and B-25 and extended to bins B-32 and B-33. Blank off 3" inlets to B-24 and B-25.
- 5) Equip ends of new piping with Evertight or Kamlock quick coupling ends to mate coupling halves on existing flexible hose.
- 6) All work on this job to be charged to 930-6547.
- 7) Sandblast the internal walls of all piping installed.
- 8) Label all lines with proper bin number at switching station.

INSTRUMENT SKETCH

SK-510-6547-1027

(To be added later)

INSTRUMENT SKETCH

SK-510-6547-6106

(To be added later)

Line List
Line Numbers Refer to SK-80519

Line No.	Size	From	To	Material Handled	Remarks
C-6101	4"	Blower	Fluidizer	Air	Schedule 40 Aluminum
C-6102	3"	Fluidizer	Switch Station	PE - Air	Schedule 40 Aluminum
C-6103	3"	Switch Station	B-59	PE - Air	Schedule 40 Aluminum
C-6104	3"	Switch Station	B-60	PE - Air	Schedule 40 Aluminum
C-6105	3"	Switch Station	B-61	PE - Air	Schedule 40 Aluminum
C-6106	6"	Existing Discharge of PEM2-1302	6" Flex Conn- ection to Rotary Valve	Air	Schedule 10 Aluminum
C-6107	4"	Rotary Feeder	Hot Processing Capacity Hoppers		

Line List
Line Numbers Refer to SK-80520

<u>Line No.</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Material Handled</u>	<u>Remarks</u>
C-6107	4"	Portable Rotary Valve 6547E-6103	Hot Processing Unit Capacity Hoppers	PE & Air	Sch. 40 Aluminum
C-6201	8"	Diverter Valve 6336-1027	South Van Box Loading Station	PE & Air	Sch. 40 Alum.
C-6202	8"	Diverter Valve	No. 3 Cyclone	PE & Air	Sch. 40 Alum.
C-6301	4"	No. 2 HP Switch Station	B-48	PE & Air	Sch. 40 Aluminum
C-6302	4"	No. 2 HP Switch Station	B-50	PE & Air	Sch. 40 Aluminum
C-6303	4"	No. 2 HP Switch Station	B-58	PE & Air	Sch. 40 Aluminum
C-6304	4"	No. 2 HP Switch Station	B-56	PE & Air	Sch. 40 Aluminum
C-6305	4"	No. 2 HP Switch Station	B-54	PE & Air	Sch. 40 Aluminum
C-6306	4"	No. 2 HP Switch Station	B-52	PE & Air	Sch. 40 Aluminum
C-6307	4"	No. 3 HP Switch Station	B-49	PE & Air	Sch. 40 Aluminum
C-6308	4"	No. 3 HP Switch Station	B-51	PE & Air	Schedule 40 Aluminum
C-6309	4"	No. 3 HP Switch Station	B-57	PE & Air	Sch. 40 Aluminum
C-6310	4"	No. 2 HP Switch Station	B-55	PE & Air	Sch. 40 Aluminum
C-6311	4"	No. 2 HP Switch Station	B-53	PE & Air	Sch. 40 Aluminum

Line List
SK-80520 - Continued

<u>Line No.</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Material Handled</u>	<u>Remarks</u>
C-6312	4"	Existing 4" Line from No. 2 HP Switch Station Serving B-33	B-25	PE & Air	Sch. 40 Aluminum
C-6313	4"	Existing 4" Line from No. 3 HP Switch Station Serving B-32	B-24	PE & Air	Sch. 40 Aluminum

Line List
Line Numbers Refer to SK-80521

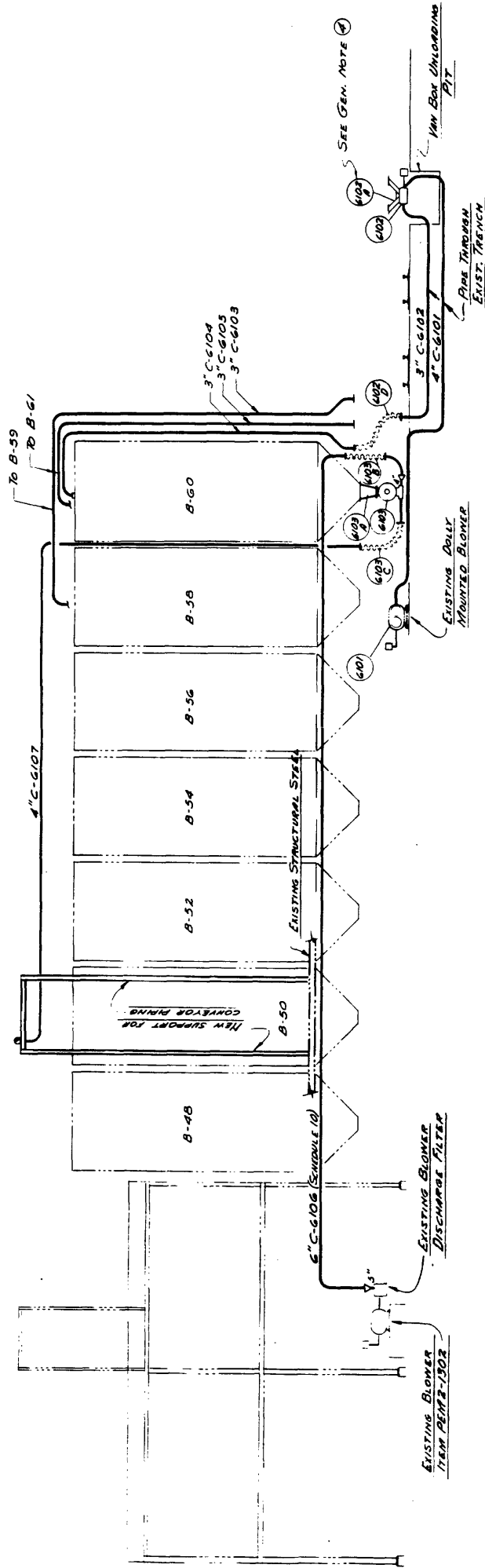
<u>Line No.</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Material Handled</u>	<u>Remarks</u>
C-6401	3"	Existing 3" Line to P-4	B-6	PE & Air	3" Schedule 40 Aluminum
C-6402	3"	Existing 3" Line to P-3	B-5	PE & Air	3" Schedule 40 Aluminum
C-6403	3"	Existing 3" Line to P-2	B-9	PE & Air	3" Schedule 40 Aluminum
C-6404	3"	Existing 3" Line to P-1	B-8	PE & Air	3" Schedule 40 Aluminum
C-6405	3"	Existing 3" Line to P-7	B-7	PE & Air	3" Schedule Aluminum
C-6406	3"	Existing 3" Line to P-5	3" Switching Station 2nd Level Bldg. 101	PE & Air	3" Schedule 40 Aluminum

Line List
Line Numbers Refer to SK-80522

<u>Line No.</u>	<u>Size</u>	<u>From</u>	<u>To</u>	<u>Material Handled</u>	<u>Remarks</u>
C-6501	3"	Product Room Switch Station	B-34	PE Pellets & Air	Schedule 40 Aluminum
C-6502	3"	Product Room Switch Station	B-35	PE Pellets & Air	Schedule 40 Aluminum
C-6503	3"	Product Room Switch Station	B-36	PE Pellets & Air	Schedule 40 Aluminum
C-6504	3"	Product Room Switch Station	B-37	PE Pellets & Air	Schedule 40 Aluminum
C-6505	3"	Product Room Switch Station	B-38	PE Pellets & Air	Schedule 40 Aluminum
C-6506	3"	Product Room Switch Station	B-39	PE Pellets & Air	Schedule 40 Aluminum
C-6507	3"	Existing 3" Piping to B-24	B-32	PE Pellets & Air	Schedule 40 Aluminum
C-6508	3"	Existing 3" Piping to B-25	B-33	PE Pellets & Air	Schedule 40 Aluminum

GENERAL NOTES

- 1) ALL NEW PIPING TO BE SANDBLASTED INTERNALLY AND WASHED BEFORE INSTALLATION
- 2) ALL CONVEYING LINE INSTALLATION TO DUPLICATE EXISTING PRACTICE EXCEPT AS NOTED.
- 3) ALL CONVEYING PIPING IN TRENCHES TO BE WELDED TO PREVENT ENTRY OF WATER AT JOINTS.
- 4) EXISTING 3" FLUIDIZER VALVE RELOCATED TO WEST VAN BOX UNLOADING POSITION - VALVE TO BE INSTALLED AND ADAPTER DESIGNED TO PROVIDE A 45° MINIMUM ANGLE FOR SIMULTANEOUS RESIN FLOW FROM TWO VAN BOX UNLOADING STOPS.
- 5) USE MORRIS COUPLINGS OR SIMILAR TYPE ON 6" LINE C-6106



FLOW DIAGRAM

HIGH PRESSURE POLYETHYLENE EXPANSION
SEADRIFT PROJECT 68-12

510-930-6547

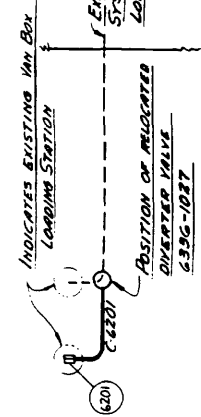
ADDITIONS TO PRODUCT HANDLING

PART VI - JOB I

017441

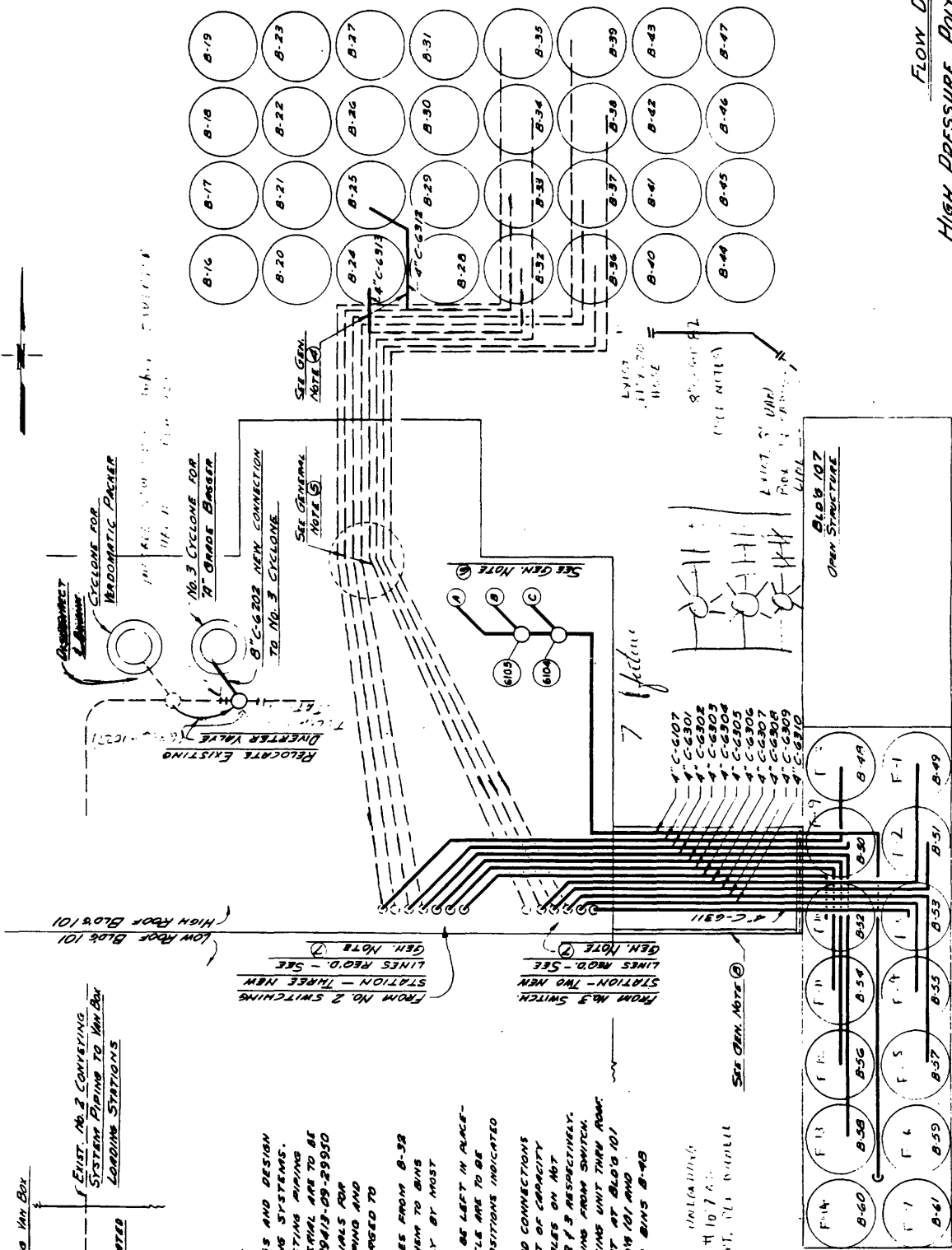
DOWN BY: JES. DATE: 11/19/64
CHG BY: JET. APP'D. BY: [Signature]

SK-80519



GENERAL NOTES

1. ALL CONVEYING PIPING, COUPLINGS AND DESIGN ARE TO DUPLICATE EXISTING SYSTEMS.
2. ALL COSTS TO RELOCATE EXISTING PIPING, FITTINGS AND OTHER MATERIAL ARE TO BE CHARGED TO SHOP ORDER 09413-09-29950
3. THE COST OF LABOR AND MATERIALS FOR INSTALLATION OF NEW PIPING AND EQUIPMENT IS TO BE CHARGED TO 510-930-6547
4. DISCONNECT 4" CONVEYING LINES FROM B-39 AND B-39 AND REROUTE THEM TO BINS B-24 AND B-25 RESPECTIVELY BY MOST DIRECT ROUTE.
5. THESE 2 CONVEYING LINES ARE TO BE LEFT IN PLACE - OTHER LINES IN DASHED CIRCLE ARE TO BE REUSED OR RELOCATED TO POSITIONS INDICATED BY SOLID LINES.
6. (A) AND (B) ARE EXTENSIONS AND CONNECTIONS INTO THE NO. 2 COMPARTMENT OF CAPACITY HANDERS SERVICING THE SCALES ON NO. 2 PROCESSING LINES NO. 1, 2 & 3 RESPECTIVELY.
7. PRODUCTION OF CONVEYING PIPING FROM SWITCH STATIONS IN HOT PROCESSING UNIT THRU ROOM HIGH CONVEYOR PIPING SUPPORT AT BLDG 101 HIGH LEVEL STRUCTURE FOR BINS B-49 THRU B-61.
7. RELOCATE EXISTING VAN BOX LOADING LINE AT BLDG 101 TO 107 AND REUSE EXISTING PIPING, FITTINGS AND MATERIAL



017442

FLOW DIAGRAM HIGH PRESSURE POLYETHYLENE EXPANSION SEADRIFT PROJECT 64-12

510-930-6547

ADDITIONS TO PRODUCT HANDLING PART II - JOB II f III

OWNED BY: J.E.S. DATE: 11-30-60
CHG. BY: JFT AMO. 8-1

SK-80520

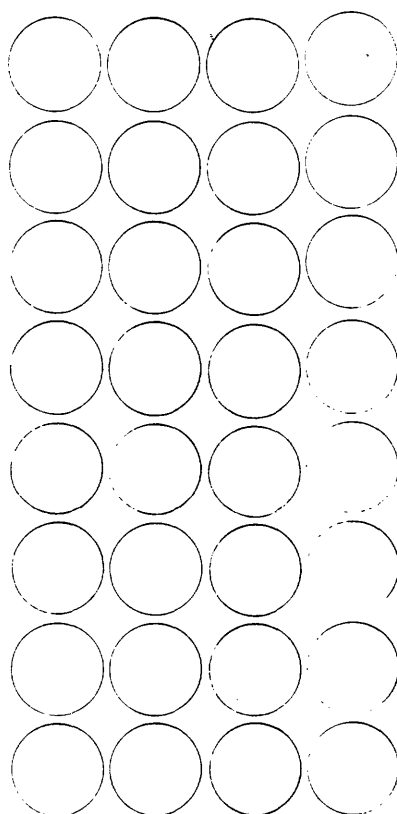
BLDG 100

GENERAL NOTES

- ① ALL NEW PIPING PURCHASED AND INSTALLED IS TO BE CHARGED TO 930-6547
- ② RELOCATION OF EXISTING PIPING TO BE CHARGED TO 03711-9-28945
- ③ DISCONNECT 3" DIRECT MAKE LINES TO P-1 THRU P-4 AND TO P-7 4" 300 LEVEL AND RUN LINES TO B-5 THRU B-9 THROUGH SECOND LEVEL.
- ④ DISCONNECT LINE TO P-5 AND RUN C-6000 THROUGH SECOND LEVEL.
- ⑤ REMOVE THE CONTINUATION OF THESE LINES AND REUSE PIPING.

DIRECT BUILD 1 PRIMARY BIN MAKE SWITCHING STATION

PRODUCT ROOM Bldg 102

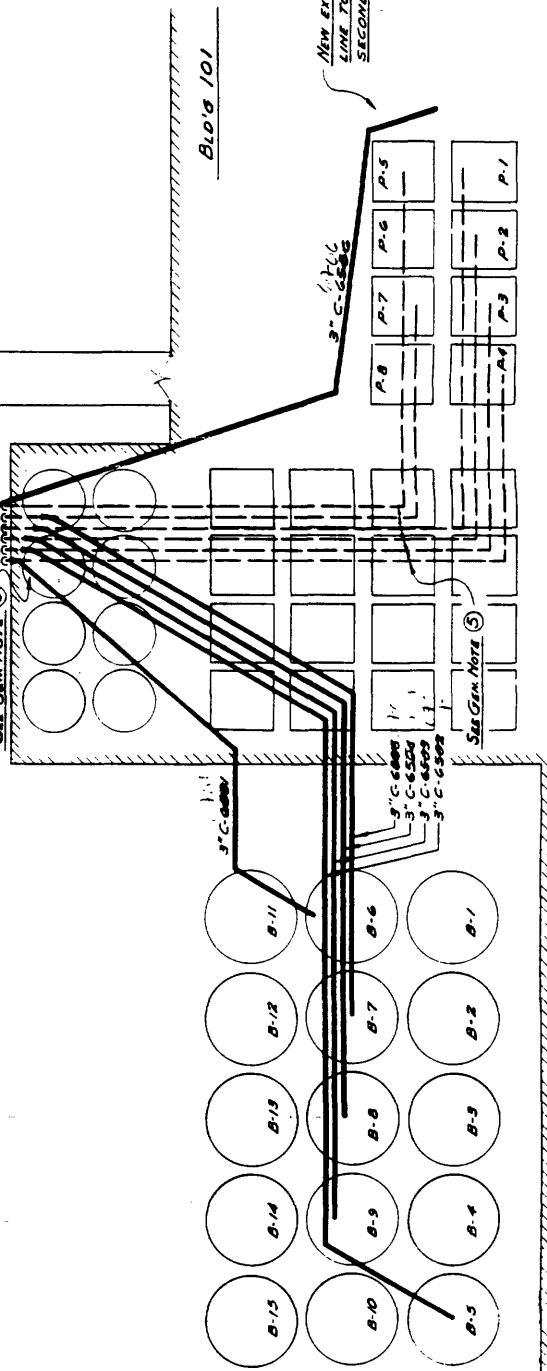


EXISTING DIRECT MAKE LINE TO P-1 THRU P-5 AND P-7. (OTHER DIRECT MAKE LINES TO EQUIPMENT BINS NOT SHOWN)

CROSS WALK

See Gen Note ⑤

See Gen Note ④



Bldg 101

Bldg 101

017443

FLOW DIAGRAM

HIGH PRESSURE POLYETHYLENE EXPANSION

SEADRIFT PROJECT 64-12

510-930-6547

ADDITIONS TO PRODUCT HANDLING

PART II - JOB II

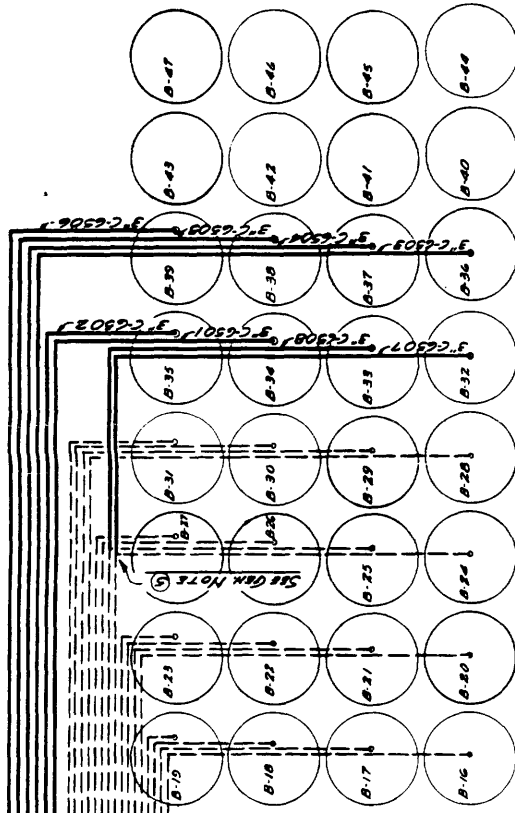
Drawn By: J.E.S. Date: 11-10-64
Checked By: J.E.T. Approved By: J.E.S.

SK-80521

- 1) ALL WORK SHOWN ON THIS FLOW DIAGRAM IS TO BE CHARGED TO 930-6547
- 2) NEW LINES ARE TO BE INTERLACED AND EQUIPPED SIMILAR TO 1/6 EXISTING LINES
- 3) PAVING IS TO BE ACCOMPLISHED AT SWITCHING STATION TO PERMIT EASY COUPLING OF ADDED TO ALL 1/6 EXIST LINES. LEAVE ENDS OF THE NEW MADE LINES WITH FEASIBLE HALF OF "CROSS-COULING" TO ADAPT TO EXISTING FLEXIBLE NOSE ENDS
- 4) NEW PAVING IS TO BE INSTALLED TO PERMIT ADDITION OF 2 ADDITIONAL 3" DIA 40 LINES. SPACES SHOULD BE LEFT OPEN SO THAT POSSIBLE FUTURE LINES TO BINS 6-32 1/2 WOULD BE IN LOGICAL SEQUENCE.
- 5) DISCONNECT DIRECT INAGE LINE FROM 6-24 AND 6-25 AND EXTEND LINES TO REPLACE 6-32 AND 6-33 AS SHOWN. PER 3" DIA 40 MINIMUM 19K.

PRODUCT ROOM BLDG. 102

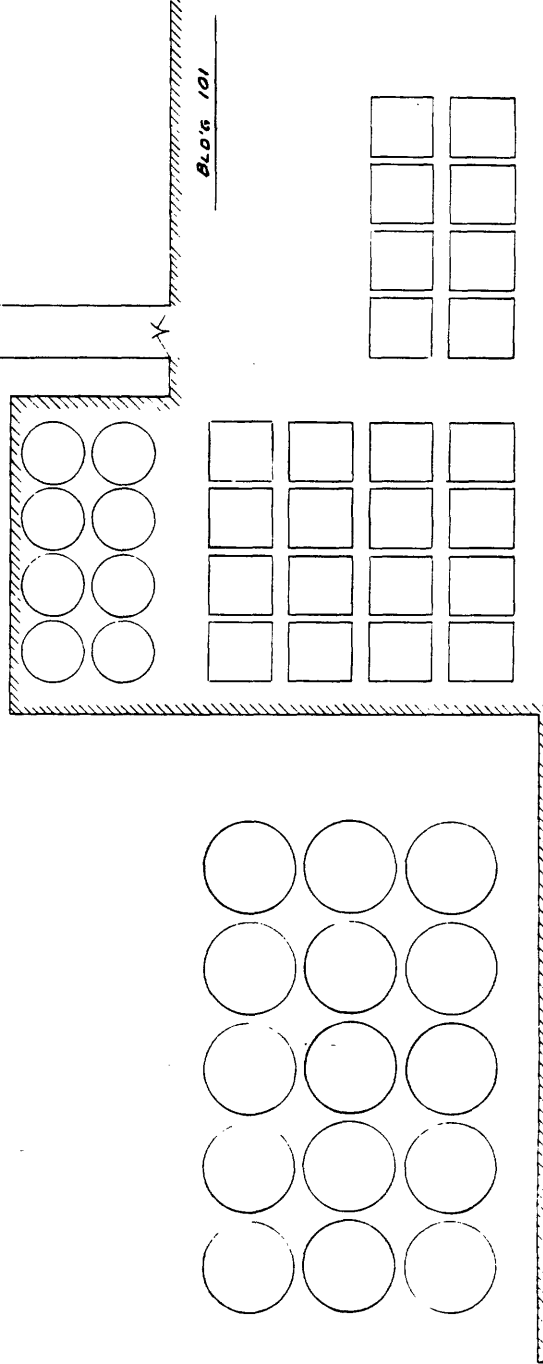
6 NEW 3" SCHEDULE 40
ALUMINUM DIRECT MAKE
LINES TO BINS B-34 THRU B-39



16 EXISTING 3" SCHEDULE 40
ALUMINUM DIRECT MAKE LINES
TO BINS B-16 THRU B-28

CR055 WALK

101 5.078 Blo's 101



Flow Diagram

HIGH PRESSURE POLYETHYLENE EXPANSION
SEADRIFT PROJECT 64-12

510-930-6547

ADDITIONS TO PRODUCT HANDLING

PART VII - JOB V

Drawn By: J.E.S. Date: 11-18-64

CHRO By: JST APPRO. BY: [Signature]

SK-80522