# POOR LEGIBILITY

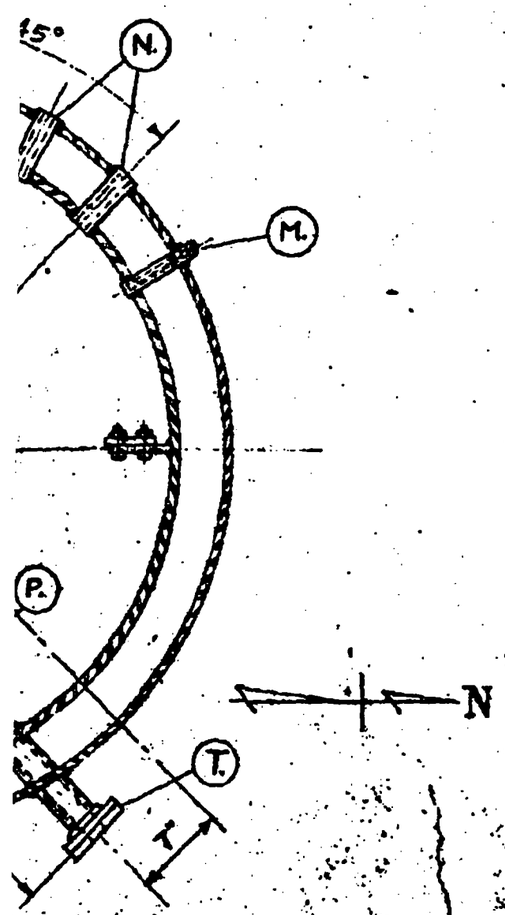
ONE OR MORE PAGES IN THIS DOCUMENT ARE DIFFICULT TO READ
DUE TO THE QUALITY OF THE ORIGINAL

# PARTIALLY SCANNED
# OVERSIZE ITEM(S)

To use the paper copy of oversize document # 2141267
contact the Region IX Superfund Records Center at
(415) 536-2000

SECTION C-C.

S.S. MANHOLE COVER




| MARK | No. | SIZE | RATE | TYPE | SERVICE | REMARKS |
|---|---|---|---|---|---|---|
| A. | 1 | 4" | 300# | R.F. STAINLESS ST. | RUPTURE DISC | EX. HY. PIPE WALL. |
| B. | 1 | 3" | 300# | R.F. CARBON STL. | COOLANT OUTLET | " " " |
| C. | 1 | 3" | 300# | R.F. CARBON STL. | COOLANT INLET. | " " " |
| D.-D'. | 2 | 1" | 300# | R.F. STAINLESS STL. | CHARGE INLET CHARGE MANIFOLD | D' TO BE AN ORIFICE FLGE. |
| E. | 1 | 1½" | 300# | STAINLESS STL. ORIFICE FLGE. | VACUUM VENT | |
| F. | 1 | 1" | | DRILLED N.P.T. HOLE | PRESSURE IND. | |
| G. | 1 | 3" | 300# | R.F. STAINLESS STL. | PRESSURE REG. | SEE DETAIL |
| H. | 2 | 3½" | | | ONE PEEP HOLE ONE LIGHT | |
| J. | 1 | 1" | 300# | R.F. STAINLESS STL. | SPARE. | EX. HY. PIPE WALL |
| K. | 2 | ¾" | | DRILLED-NPT. HOLE | SPARES | |
| L. | 1 | ½" | | DRILLED-NPT. HOLE | BOMB CHARGE | |
| M. | 1 | ½" | | N.P.T. | THERMOMETER | 1" O.D. S.S. BAR STOCK |
| N. | 2 | 1" | | N.P.T. | RESIST. THERM. & TRANSMITTER | 1⅝" " " " " |
| P. | 2 | ½" | | NPT. | SAMPLE VALVE SAMPLE DIAPH. | 1" " " " " |
| R. | 1 | ¾ | | NPT. | SPARE | 1⅜" " " " " |
| S. | 1 | 1" | 300# | R.F. STAINLESS STL. | FLG'D. SPARE. | EX. HY. PIPE WALL. |
| T. | 1 | 1½" | 300# | R.F. S.S. PIPE & FLGE. | OMART SOURCE | EX. HY. PIPE W/CAP |
| U. | 1 | 8" | EX.HY. | M.S. PIPE | DENSITY WINDOW. | " " |

CODE COMPLIANCE APPROVAL
CHIEF E.C. ENG. DATE

## GENERAL NOTES.

1. CONSTRUCTION PER ASME. CODE FOR UNFIRED PRESSURE VESSELS LATEST REVISION; 80 STAMPED & NINE COPIES OF INSPECTION PAPERS.
2. DESIGN PRESSURE - SHELL 375# @ 400°F. JACKET 200# @ 400°F.
3. MATERIALS - INTERNAL SHELL :- TYPE 316 ELC STAINLESS STEEL SOLID, OR CLAD 316 ELC. STAINLESS STEEL WITH A-285-C, OR EQUAL PARENT METAL. JACKET :- ASTM. A-285-C OR EQUAL.
4. USE 25-20 ROD OR EQUAL FOR WELDING C.S. TO S.S.
5. MANHOLE COVER ON TOP HEAD TO MINIMUM O.D. PERMISSABLE. (DIA. BASED ON 30")
6. SHELL SPEC'S. No. 801 SHALL APPLY.
7. HEAD DIMENSIONS BASED ON 3" STRAIGHT FLANGE.
8. ALL MATERIAL, UNLESS OTHERWISE NOTED TO BE 316 STAINLESS STEEL.

SFUND RECORDS CTR
2141267 1 OF2

Southern
ENGINEERING AND CONSTRUCTION CO., INC.
ROSEMEAD, CHERRY AVE., LONG BEACH 6, CALIF.
APPROVED FOR CONSTRUCTION DATE

TORRANCE
SO-0015126

| MARK | DATE | DESCRIPTION | APPROVED |
|---|---|---|---|
| 5 | 12-6 | CHANGED "U" TO 8" | JGE |
| 4 | 10-11 | GENERAL CHANGES | L.E.N. |
| 3 | 9-24 | FLGES CHANGED | L.E.N. |
| 2 | 8-20 | CHANGED DIMENSIONS | L.E.N. |
| 1 | 8-14 | ISSUED FOR APPROVAL | L.E.N. |

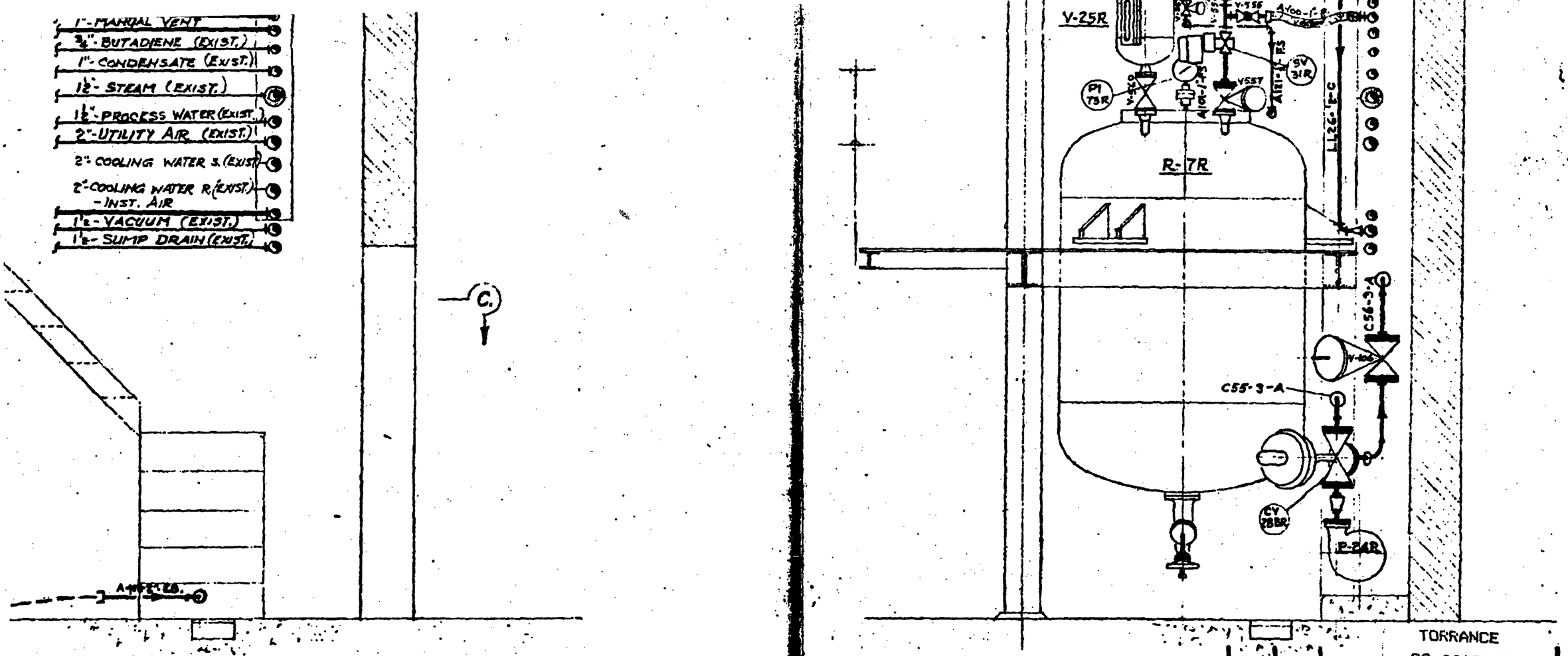
LIST OF CHANGES

SHELL CHEMICAL CORPORATION
ENGINEERING DEPT. TORRANCE PLANT

RESEARCH LABORATORY
EMULSION POLYMERIZATION PILOT PLANT
DETAIL - 500 GAL. REACTOR

DRAWN BY: C. PURKIS
CHIEF DRAFT.: 8/11/57
CHIEF TECH.:
DEPT. MGR.: 8/15/57
DATE: 7/26/57
SCALE: 1" = 1'-0"

YT-6039




SECTION E-E

| MARK | DATE | DESCRIPTION | APPROVED |
|---|---|---|---|
| 2 | 11-26-57 | ISSUED FOR CONST. | |
| 1 | 10-16 | ISSUE | |

LIST OF CHANGES

TORRANCE
SO-0015127

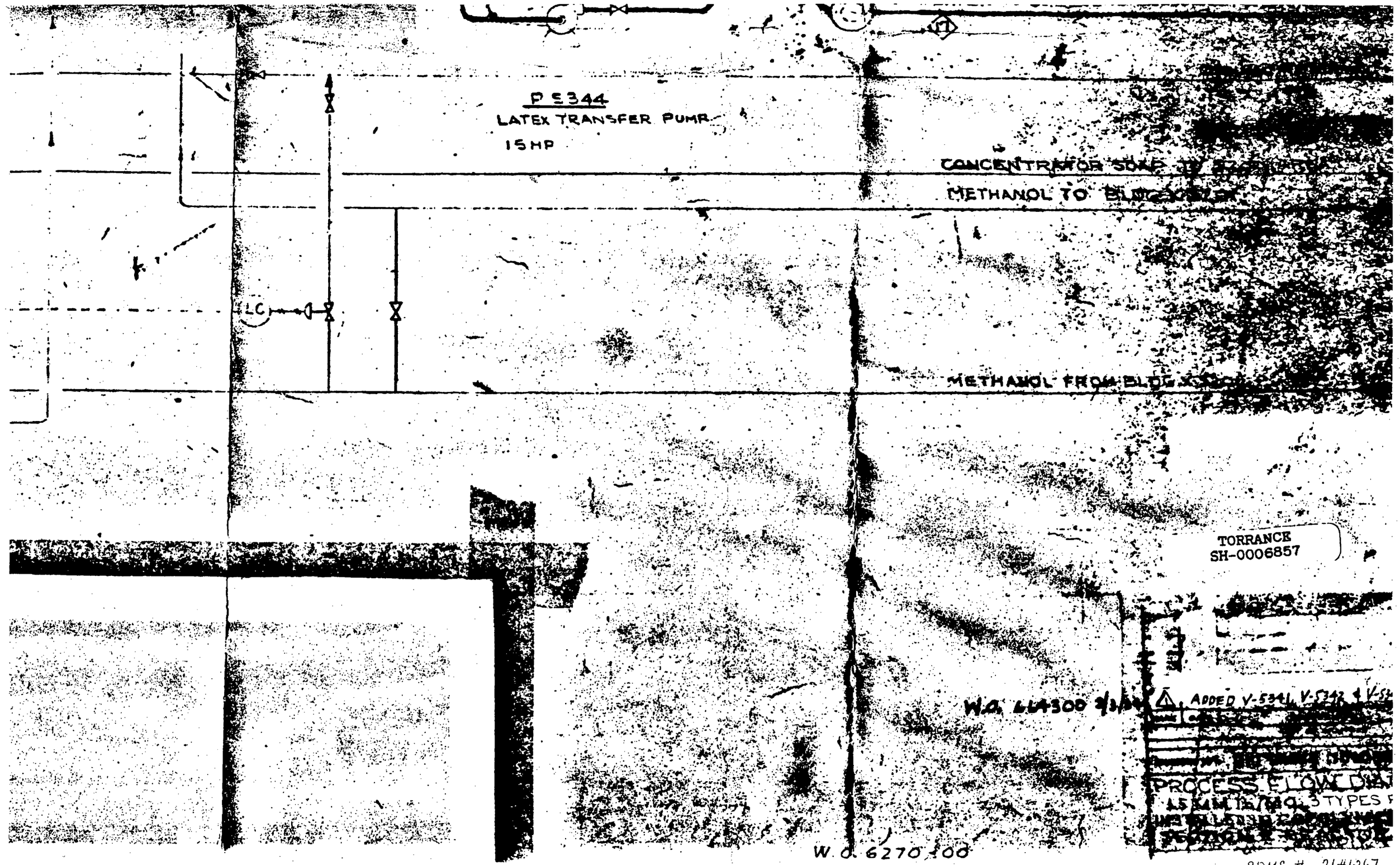
SHELL CHEMICAL CORPORATION
ENGINEERING DEPT. TORRANCE PLANT

RESEARCH LABORATORY
EMULSION POLYMERIZATION PILOT PLANT
PIPING - 500 GALLON REACTOR

| | |
|---|---|
| DRAWN BY: C. PURKIS | CHIEF TECH.: |
| CHIEF DRAFT.: 10-18-57 | DEPT. MGR.: |
| JOB ENGR.: 10-8-57 | ASST. SUPT.: |
| CHIEF ENGR.: 10-18 | MANAGEMENT: |
| DATE: 9/25/57 | YT-6109-2 |
| SCALE: 1/2" = 1'-0" | |

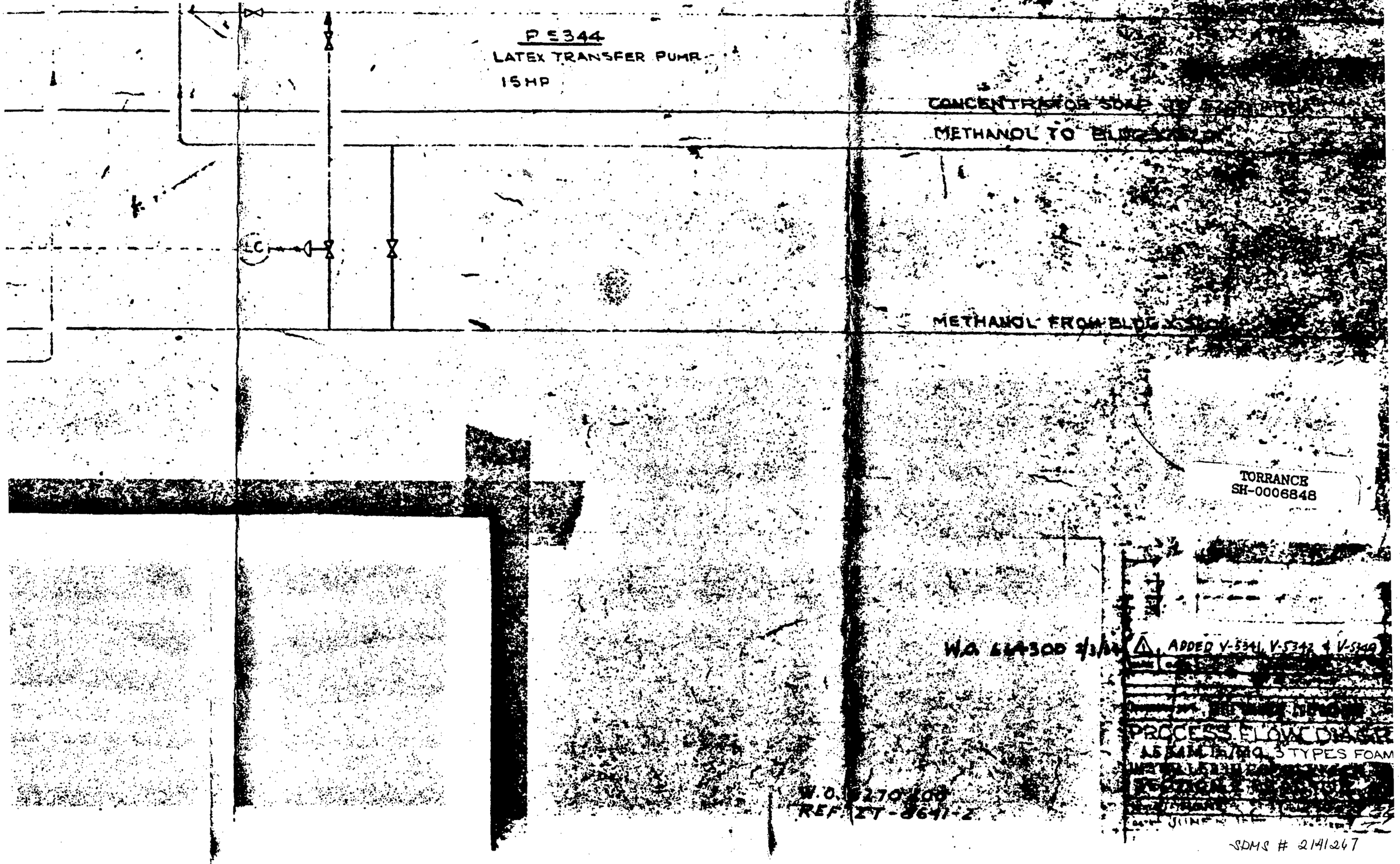
SDMC# 2141267
2 OF 2

Southern
ENGINEERING AND CONSTRUCTION CO., INC.
3440 CHERRY AVE. LONG BEACH 6, CALIF.
APPROVED BY: DATE
DISTRIBUTION: 11-27-57



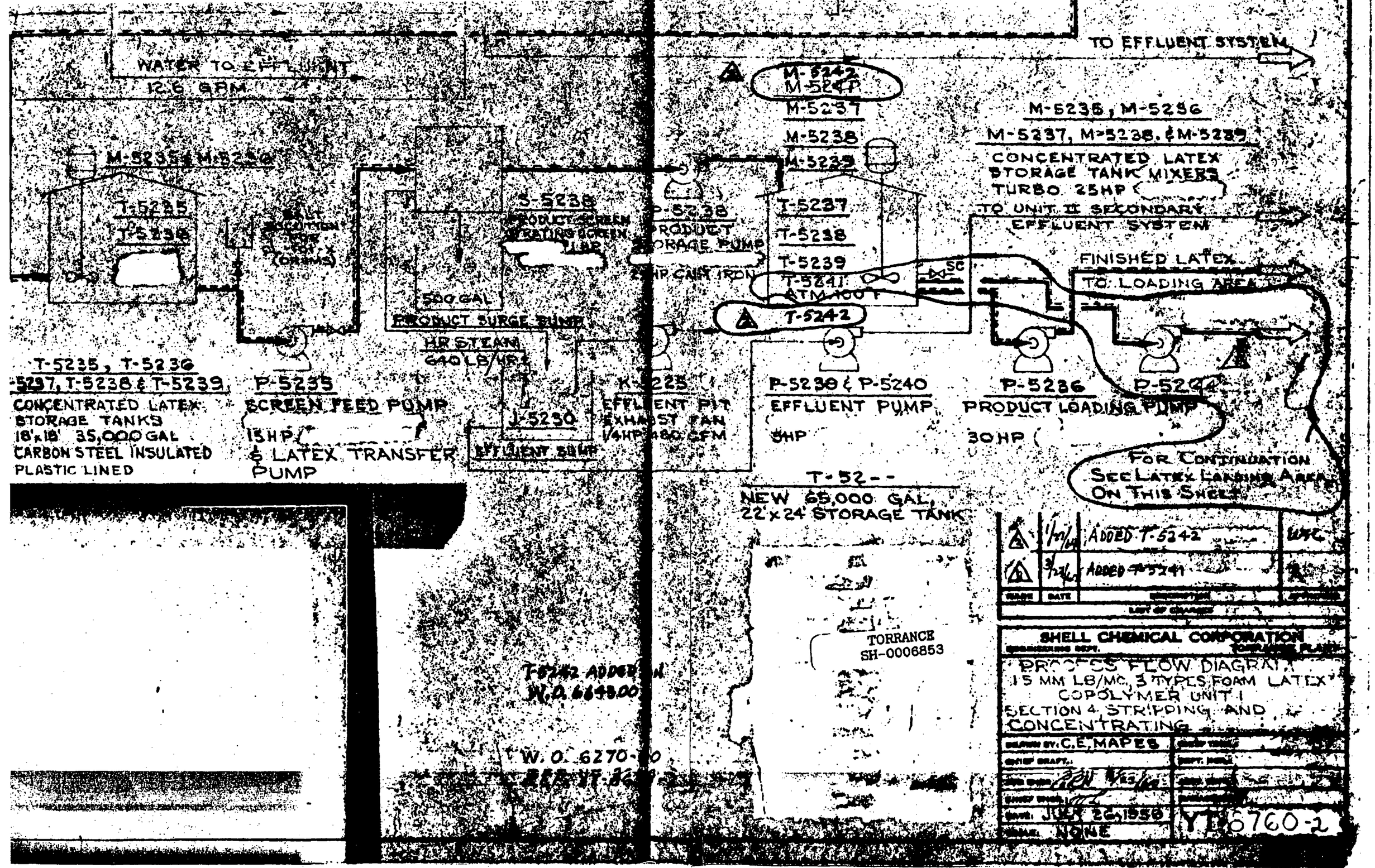

SDMS # 2141267

1 OF 1

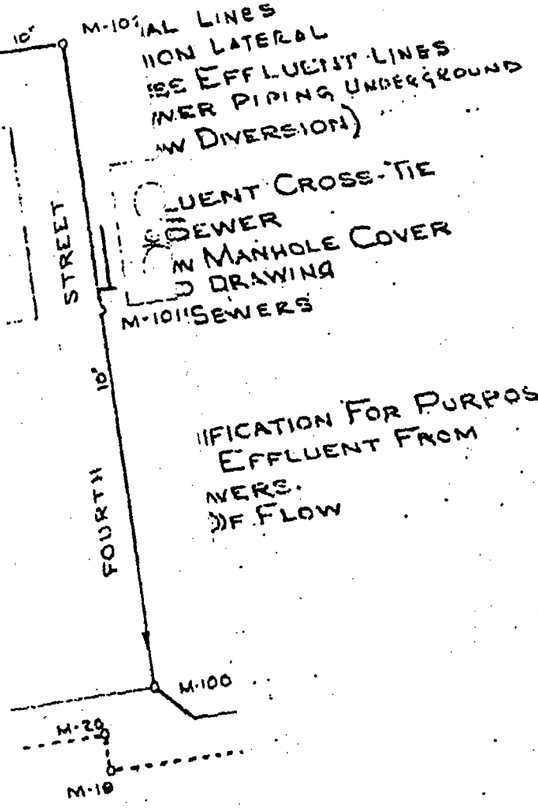



SDMS # 2141247

1 OF 1




SDHS # 2141267
1 OF 1




M-101 AL LINES
ION LATERAL
SS EFFLUENT LINES
NER PIPING UNDERGROUND
W DIVERSION)

LUENT CROSS-TIE
SEWER
N MANHOLE COVER
DRAWING
M-101 SEWERS

IFICATION FOR PURPOSE OF
EFFLUENT FROM
NERS.
OF FLOW

| MARK | DATE | DESCRIPTION | APPROVED |
|---|---|---|---|
| | | LIST OF CHANGES | |

SHELL CHEMICAL CORPORATION
ENGINEERING DEPT. TORRANCE PLANT

COMPOSITE PLOT PLAN
PROCESS EFFLUENT
SCHEMATIC SEWER SYSTEM
PROPOSED REHABILITATION

| | |
|---|---|
| DRAWN BY: W. P. LANNERY | CHIEF TECH. |
| CHIEF DRAFT. | DEPT. MGR. |
| JOB ENGR. | ASST. SUPT. |
| CHIEF ENGR. | MANAGEMENT |
| DATE: 8-2-1 | YT 604 |
| SCALE: NONE | |

SDMS # 2141267
1 OF 1