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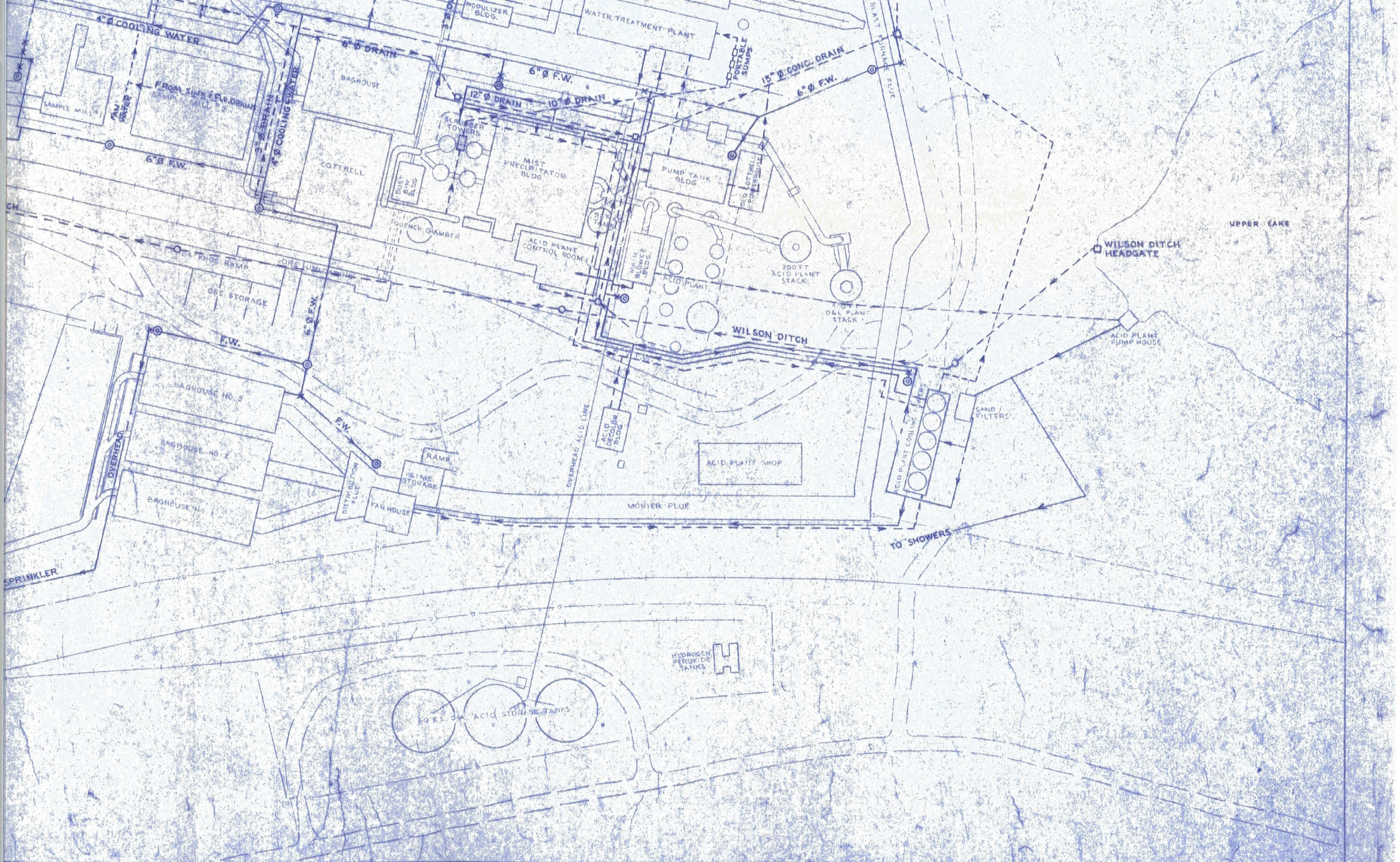


DESCRIPTIONS			DATE
	DRAWN BY	Floyd T.	9-20-84
FLR. DRAINS TO LOWER LAKE	CHECKED BY		
SAMPLE MILL DRAIN	APPROVED		
SIONS	SCALE 1" = 80FT.		

ASARCO Incorporated

EAST HELENA PLANT

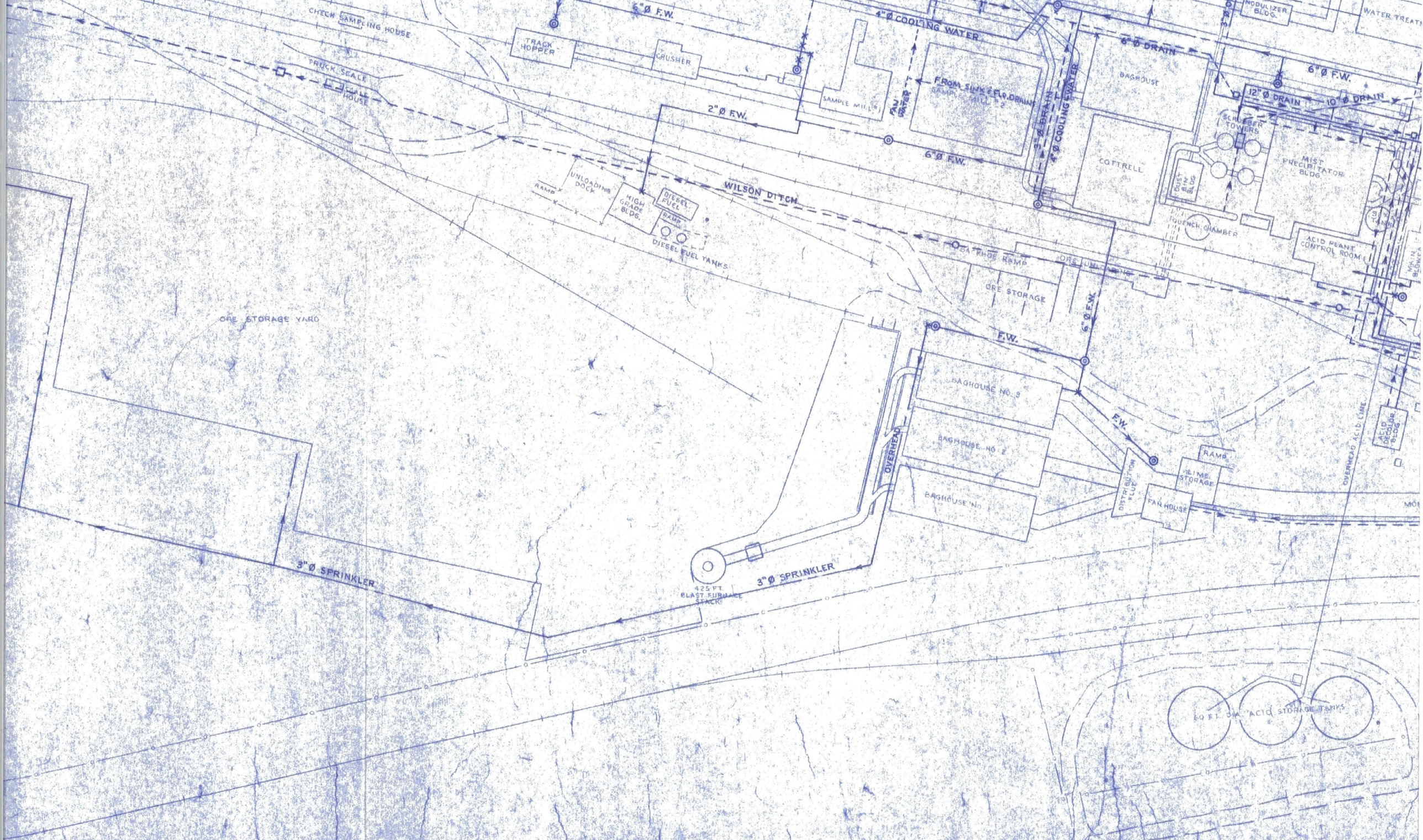
EAST HELENA, MONTANA 59635

MAPS

GENERAL PLANT MAP

WATER SYSTEM

N.Y. APPROP. NO.	PLANT NO.
DATE PRINTED MAY 26 1987	
DRAWING NUMBER	REV.
Exhibit 1	3



REFERENCE DRAWINGS
TREATMENT - PLOT PLAN
MAP - FIRE WATER SYSTEM
" - SEWER SYSTEM
" - POTABLE WATER SYSTEM

REVISIONS	NO.	BY	DATE	DESCRIPTIONS
	8			
	7			
	6			
	5			

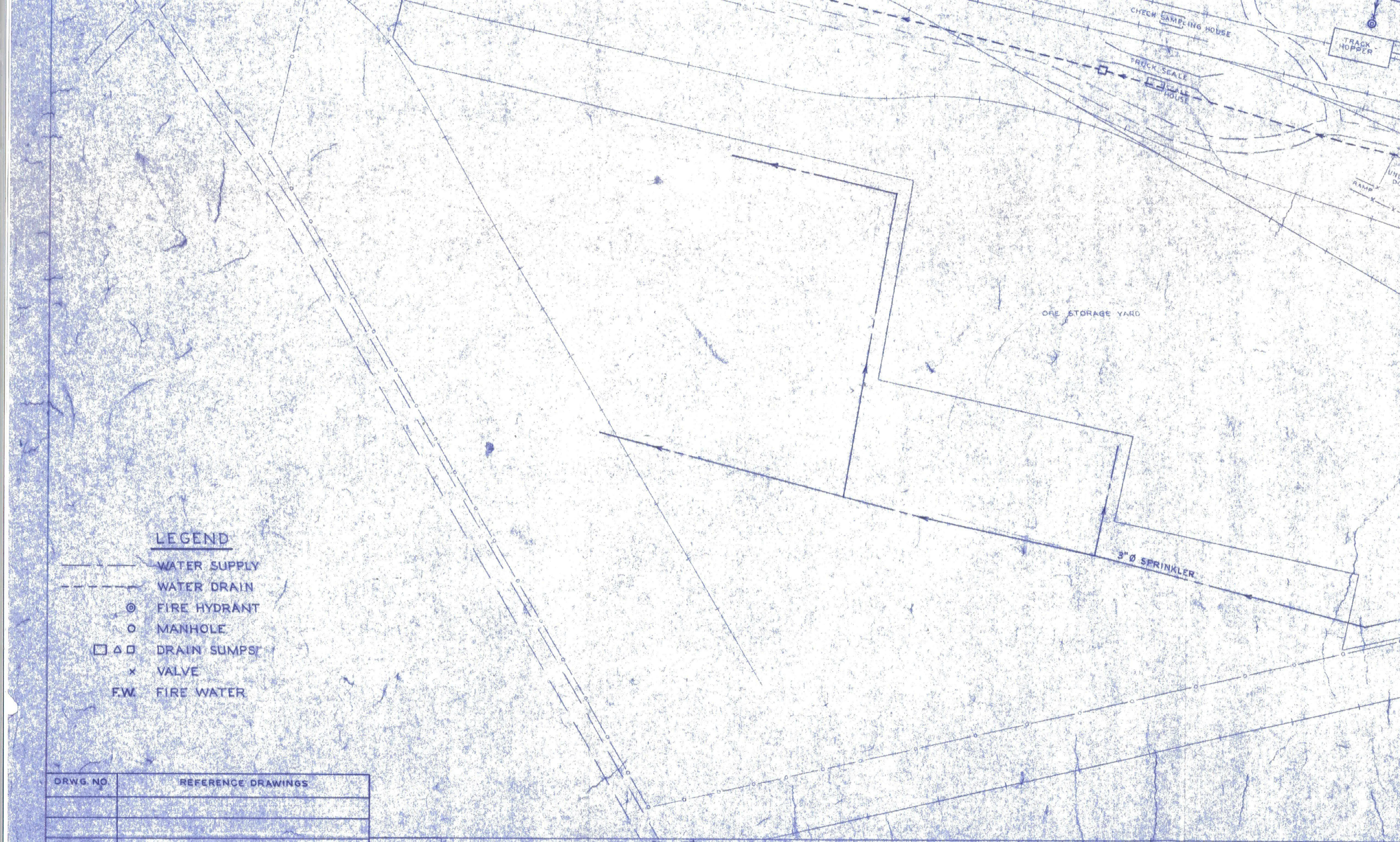
REVISIONS	NO.	BY	DATE	DESCRIPTIONS
	4			
	3	RLK	1/13/87	B.F.CE. L.R. FLR. DRAINS TO LOWER LAKE
	2	RLK	2/14/84	RE-ROUTED SAMPLE MILL DRAIN
	1	Floyd T.	12-31-84	GENERAL REVISIONS

		DATE
DRAWN BY	Floyd T.	9-20-84
CHECKED BY		
APPROVED		
SCALE 1" = 80 FT.		

ASARCO Incor

EAST HELENA PL

EAST HELENA, MONTAN



LEGEND

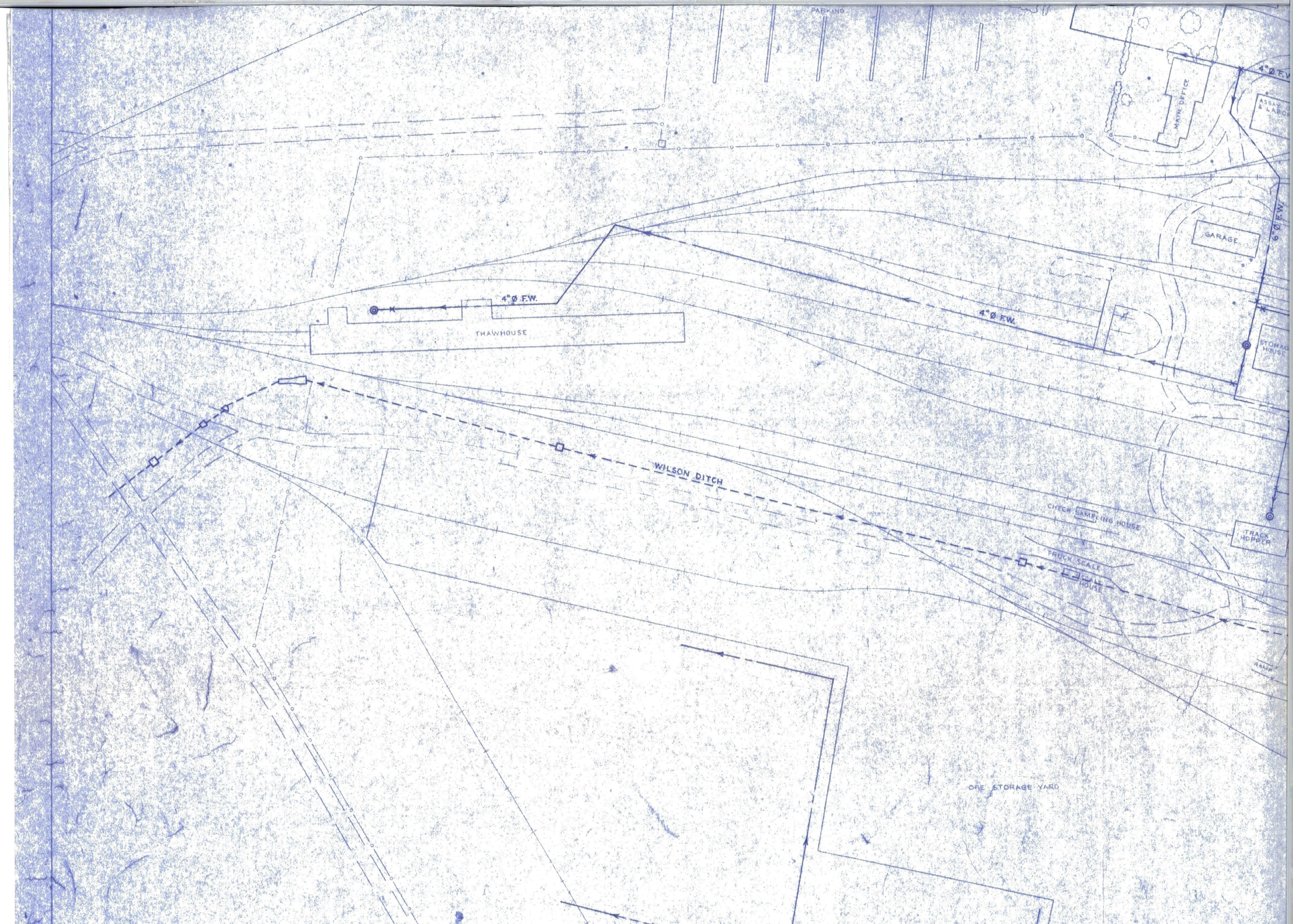
- WATER SUPPLY
- WATER DRAIN
- FIRE HYDRANT
- MANHOLE
- DRAIN SUMPS
- VALVE
- F.W. FIRE WATER

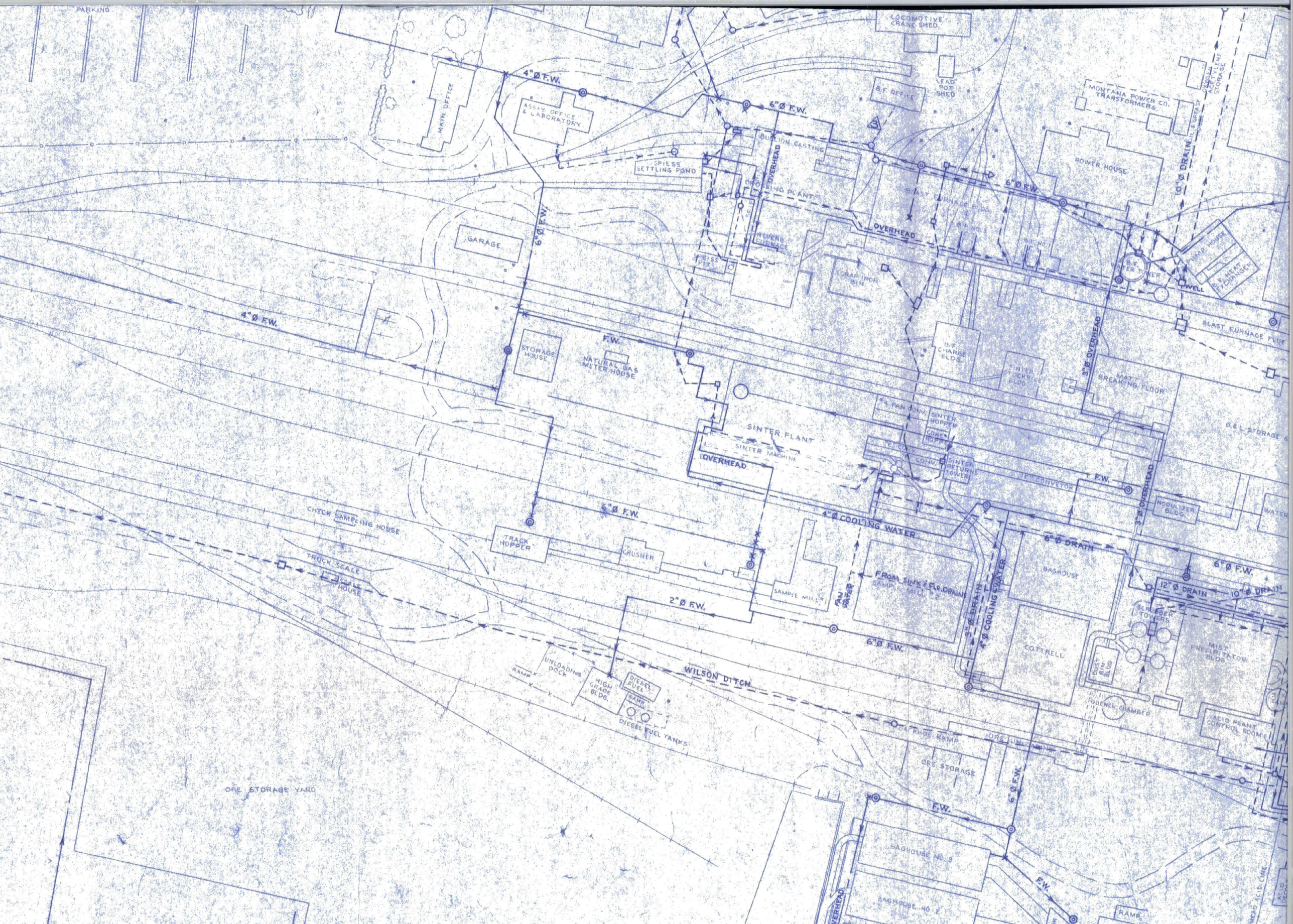
DRWG. NO.	REFERENCE DRAWINGS
1-7308	GEN. PLANT MAP - TELEPHONE CABLE
EH-21605	ACID PLANT SITE DRAINAGE
EH-21603	ACID PLANT GEN. ARR.
EH-22240	" " SERVICE PIPING CONNECTIONS
P-219	DAVY POWERGAS UNDERGROUND PIPING INDEX

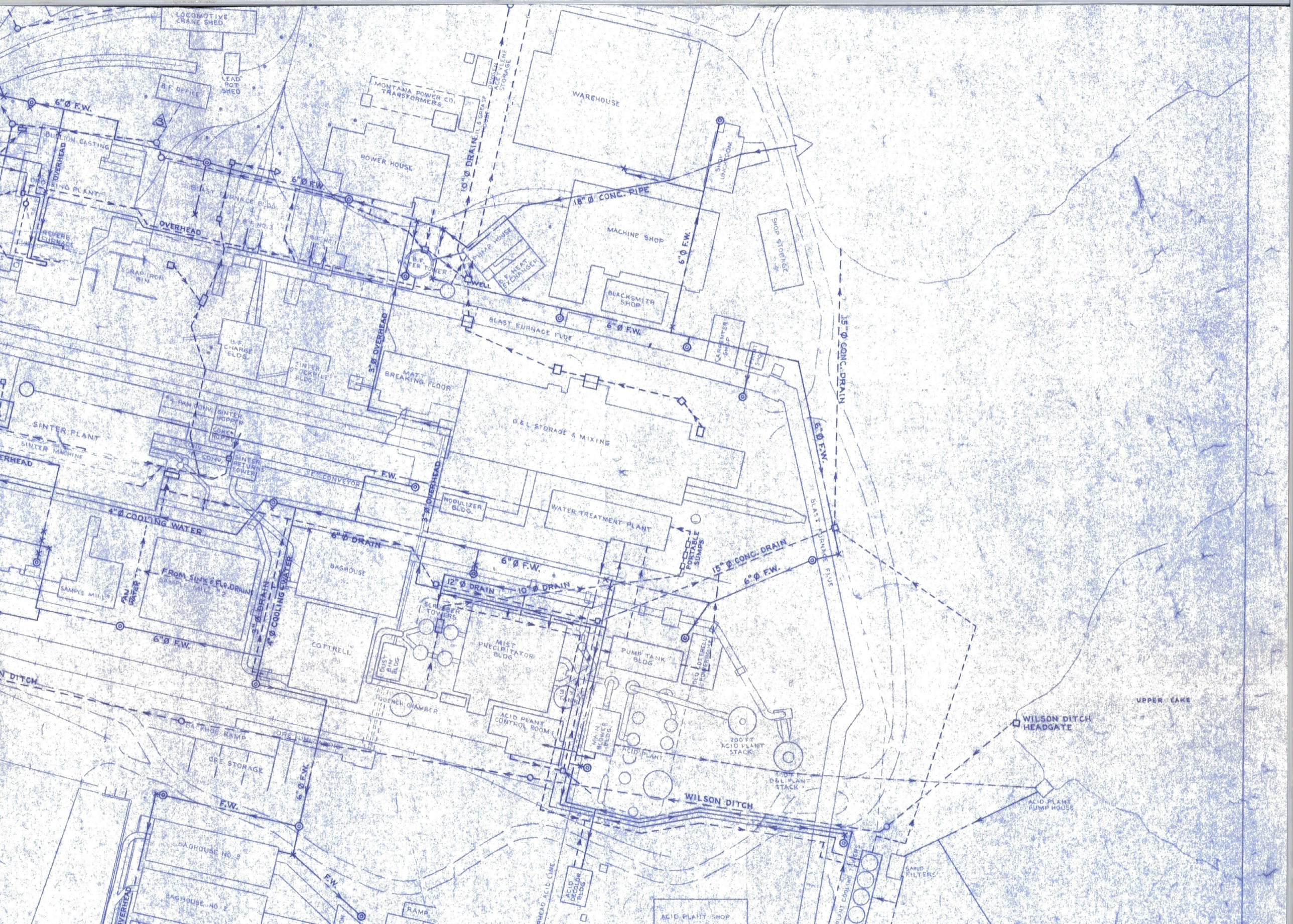
DRWG. NO.	REFERENCE DRAWINGS
1-6980	RUN-OFF AND WASTE WATER PIPE LINES
1-3775	MAP OF PIPE AND POWER TRANSMISSION LINES
1/2-6635	DRAINAGE OF COKE SPRAY
1-6803	DRAINAGE OF D & L BASEMENT FLOOR

DRWG. NO.	REFERENCE DRAWINGS
EH-29611	B.F. WATER TREATMENT - PLOT PLAN
1-7292	GEN. PLANT MAP - FIRE WATER SYSTEM
1-7298	" " " - SEWER SYSTEM
1-7305	" " " - POTABLE WATER SYSTEM

REVISIONS	NO.	BY	DATE	DESCRIPTIONS	REVISIONS
	8				
	7				
	6				
	5				


PARKING
4"Ø F.W.
MAIN OFFICE
ASSAY & LABO
GARAGE
6"Ø F.W.
4"Ø F.W.
4"Ø F.W.
THAWHOUSE
STORAGE HOUSE
WILSON DITCH
CHECK SAMPLING HOUSE
TRACK HOPPER
TRUCK SCALE
HOUSE
ORE STORAGE YARD

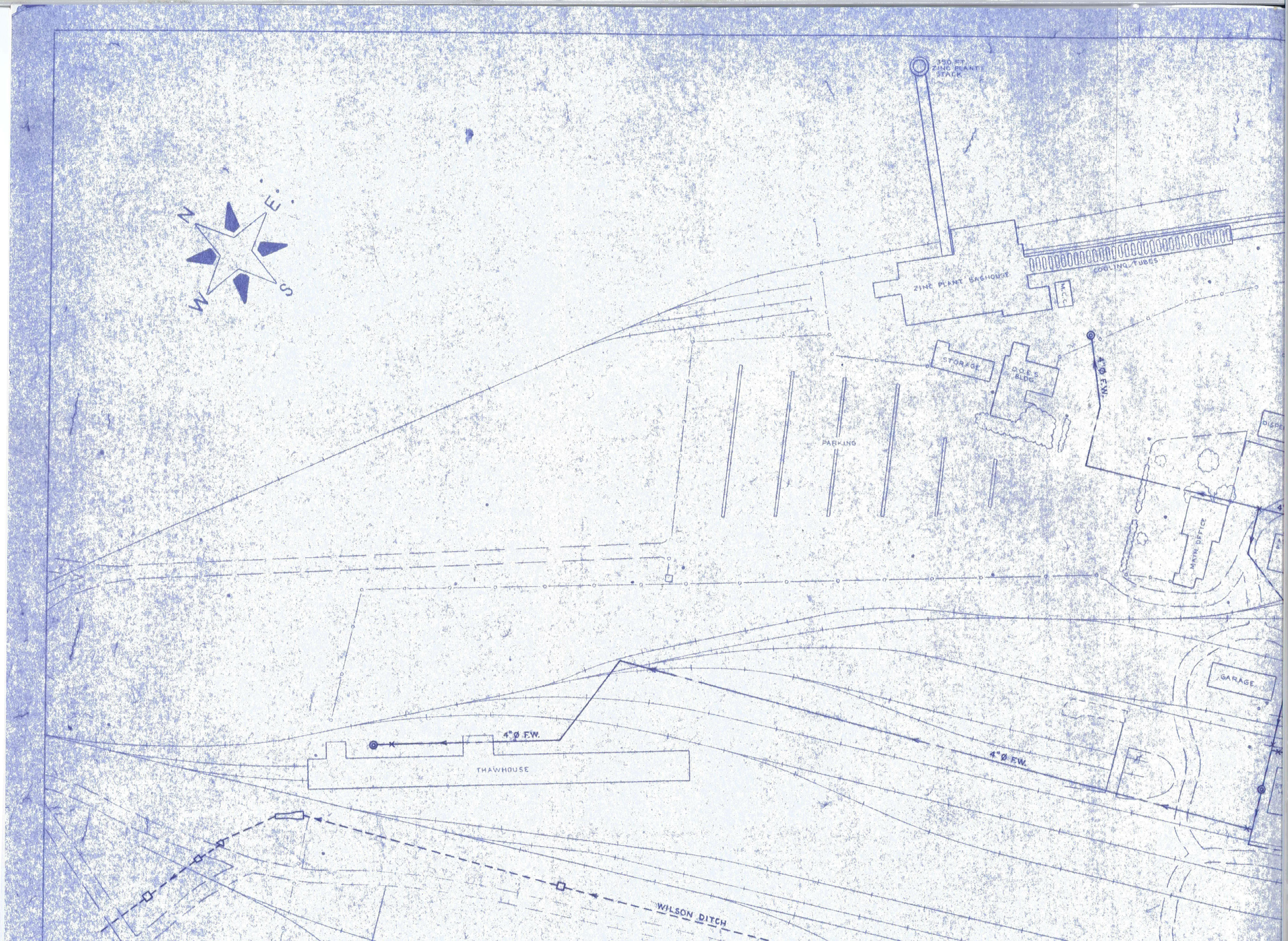

PARKING
LOCOMOTIVE CRANE SHED
LEAD POT SHED
B.F. OFFICE
MONTANA POWER CO. TRANSFORMERS
OXYGEN ACETYLENE STORAGE
MAIN OFFICE
ASSAY OFFICE & LABORATORY
4" Ø F.W.
6" Ø F.W.
BULLION CASTING
SPIESS SETTLING POND
OVERHEAD
DROSSING PLANT
POWER HOUSE
10" Ø DRAIN
BLAST FURNACE BLDG.
REVERE FURNACE
SPIESS PIT
GARAGE
SCRAP IRON BIN
B.F. WATER TOWER
PUMP HOUSE
B.F. HEAT EXCHANGER
WELL
BLAST FURNACE FLUE
STORAGE HOUSE
NATURAL GAS METER HOUSE
F.W.
B.F. CHARGE BLDG.
SINTER STOCKPILE BLDG.
MATT BREAKING FLOOR
3" Ø OVERHEAD
D & L STORAGE
SINTER PLANT
SINTER MACHINE
SINTER HOPPER
COKE HOPPER
SINTER RETURNS TOWER
"E" CONVEYOR
NODULIZER BLDG.
WATER
CHECK SAMPLING HOUSE
TRACK HOPPER
CRUSHER
4" Ø COOLING WATER
6" Ø DRAIN
BAGHOUSE
TRUCK SCALE
SCALE HOUSE
SAMPLE MILL
FAN WATER
FROM SINK & FLR. DRAINS
SAMPLE MILL #2
3" Ø DRAIN
4" Ø COOLING WATER
12" Ø DRAIN
10" Ø DRAIN
SCRUBBER TOWERS
2" Ø F.W.
COTTRELL
MIST PRECIPITATOR BLDG.
DUST BIN BLDG.
QUENCH CHAMBER
ACID PLANT CONTROL ROOM
UNLOADING DOCK
RAMP
HIGH GRADE BLDG.
DIESEL FUEL
DIESEL FUEL TANKS
WILSON DITCH
BATHOE RAMP
ORE UNLOADING
ORE STORAGE
ORE STORAGE YARD
BAGHOUSE NO. 3
BAGHOUSE NO. 2
RAMP



LOCOMOTIVE CRANE SHED
LEAD POT SHED
B.F. OFFICE
MONTANA POWER CO. TRANSFORMERS
OXYGEN ACETYLENE STORAGE
WAREHOUSE
6" Ø F.W.
BULLION CASTING
OVERHEAD
DROSSING PLANT
POWER HOUSE
10" Ø DRAIN
OIL & GREASE HOUSE
SHOP LUNCHROOM
18" Ø CONC. PIPE
BLAST FURNACE BLDG.
OVERHEAD
REVERB FURNACE
MACHINE SHOP
SHOP STORAGE
PUMP HOUSE
B.F. HEAT EXCHANGER
B.F. WATER TOWER
WELL
SCRAP IRON BIN
BLACKSMITH SHOP
BLAST FURNACE FLUE
CARPENTER SHOP
15" Ø CONC. DRAIN
B.F. CHARGE BLDG.
SINTER STOCKPILE BLDG.
3" Ø OVERHEAD
MATT BREAKING FLOOR
D & L STORAGE & MIXING
SINTER PLANT
SINTER MACHINE
SINTER HOPPER
COKE HOPPER
SINTER RETURNS TOWER
CONVEYOR
F.W.
NODULIZER BLDG.
WATER TREATMENT PLANT
4" Ø COOLING WATER
6" Ø DRAIN
BAGHOUSE
PORTABLE SUMPS
15" Ø CONC. DRAIN
12" Ø DRAIN
10" Ø DRAIN
SAMPLE MILL
FAN WATER
FROM SINK & FLO. DRAINS
SAMPLE MILL #2
SCRUBBER TOWERS
COTTRELL
MIST PRECIPITATOR BLDG.
PUMP TANK BLDG.
DUST BIN BLDG.
QUENCH CHAMBER
ACID PLANT CONTROL ROOM
MAIN BLOWER BLDG.
ACID PLANT
200 FT ACID PLANT STACK
D&L PLANT STACK
WILSON DITCH HEADGATE
UPPER LAKE
ACID PLANT PUMP HOUSE
ORE STORAGE
WILSON DITCH
BAGHOUSE NO. 3
BAGHOUSE NO. 2
RAMP
ACID DECOLOR BLDG.
ACID PLANT SHOP
SAND FILTERS

0121578
ADMINISTRATIVE RECORD
SF FILE NUMBER
1150009

350 FT. ZINC PLANT STACK
LOCO. REPAIR SHOP
TOOL SHED
HOLDING FURNACE
ZINC PLANT FURNACE BLDG.
QUIGLEY FLUE
BALLOON FLUE
COOLING TUBES
ZINC PLANT BAGHOUSE
M.C.C.
POWER HOUSE
SUB STATION
MEETING ROOM
COAL PULVERIZER BLDG.
ZINC PLANT SHOP
HIGH LEAD WELDING SHOP
OIL HOUSE
OIL BLDG.
PUMP HOUSE
THORNOCK LANE
STORAGE
D.O.E.S. BLDG.
4" Ø F.W.
6" Ø
WELL
EQUIPMENT WASHING STATION
12" Ø COOLING WATER
OXYGEN TANK
10" Ø DRAIN
DISPENSARY
CHANGEHOUSE
PARKING
LOCOMOTIVE CRANE SHED
MAIN OFFICE
ASSAY OFFICE & LABORATORY
B.F. OFFICE
LEAD POT SHED
MONTANA POWER CO. TRANSFORMERS
WAREHO
BULLION CASTING
SPIESS SETTLING POND
OVERHEAD
DROSSING PLANT
POWER HOUSE
BLAST FURNACE BLDG.
GARAGE
REVERB FURNACE
SPEISS PIT
SCRAP IRON BIN
B.F. WATER TOWER
PUMP HOUSE
F. HEAT EXCHANGER
BLAST FURNACE FLUE
STORAGE HOUSE
NATURAL GAS METER HOUSE
F.W.
B.F. CHARGE BLDG.
SINTER STOCKPILE BLDG.
3" Ø OVERHEAD
MATT BREAKING FLOOR
SINTER PLANT
SINTER MACHINE
SINTER HOPPER
COKE HOPPER
SINTER RETURNS TOWER
CONVEYOR
D.&L. STORAGE & MIXIN



N
E
S
W
350 FT. ZINC PLANT STACK
ZINC PLANT BAGHOUSE
COOLING TUBES
STORAGE
D.O.E.S. BLDG.
4"Ø F.W.
PARKING
MAIN OFFICE
GARAGE
4"Ø F.W.
THAWHOUSE
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WILSON DITCH