BOILER REPLACEMENT
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
BISMARCK, NORTH DAKOTA

DESIGN TEAM
PRAIRIE ENGINEERING, P.C.
MECHANICAL ENGINEERS
BISMARCK, NORTH DAKOTA
701-258-3493
PRAIRIE ENGINEERING, P.C.
ELECTRICAL ENGINEERS
BISMARCK, NORTH DAKOTA
701-258-3493

DRAWING SHEETS
T1.0 - TITLE SHEET
M1.0 - MECHANICAL SITE PLAN
M2.0 - MECHANICAL DEMOLITION PLAN
M3.0 - MECHANICAL REMODEL PLAN
M4.0 - MECHANICAL DETAILS & SCHEDULES
E1.0 - SCHEDULES & DETAILS
E2.0 - EXISTING CONDITIONS

GENERAL NOTES

STATE OF NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

BOILER REPLACEMENT PROJECT

608 EAST BOULEVARD AVENUE
BISMARCK, NORTH DAKOTA 58505

BOILER REPLACEMENT
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
BISMARCK, NORTH DAKOTA

ACCESS DOOR
OPPOSED BLADE DAMPER
SANITARY
MECHANICAL CONTRACTOR
ROOF DRAIN
POWER ROOF VENTILATOR
ABOVE FINISHED GRADE
WALL HYDRANT
WALL CLEAN OUT
FRESH AIR
SUPPLY AIR
MECHANICAL SITE PLAN
FIRE DAMPER
TITLE SHEET
COMBUSTION AIR
FLOOR DRAIN
MECHANICAL DEMOLITION PLAN
BACKDRAFT DAMPER
WASTE
GENERAL CONTRACTOR
RETURN AIR
AUTOMATIC TEMPERATURE
SMOKE/FIRE DAMPER
ELECTRICAL CONTRACTOR
VENT
VOLUME DAMPER
PLUMBING OUTLET BOX
EXISTING CONDITIONS
ABOVE FINISHED FLOOR
MECHANICAL REMODEL PLAN
FREEZE
CLEAN OUT
BELOW FINISHED FLOOR
FLOOR CLEAN OUT
MECHANICAL DETAILS & SCHEDULES
VENT THROUGH ROOF
598x1381
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
PRAIRIE ENGINEERING, P.C.
PRAIRIE ENGINEERING, P.C.
BISMARCK, NORTH DAKOTA
BISMARCK, NORTH DAKOTA
MECHANICAL ENGINEERS
ELECTRICAL ENGINEERS
BOILER REPLACEMENT PROJECT
THE MAIN LINE OR OUT OF THE REMODELED SPACE.
LOCATED IN A WALL TO BE REMOVED SHALL BE REMOVED (IF NOT ACTIVE) AND CAPPED AT
THE REMODELED SPACE AND CAPPED AT OR NEAR THE MAINS. PLUMBING PIPING THAT IS
REMOVED, THE PIPING SHALL BE REMOVED COMPLETELY (UNLESS NOTED OTHERWISE) FROM
WHERE PIPING IS CONNECTED TO EQUIPMENT OR PLUMBING FIXTURES THAT ARE BEING
IN PIPING OR DUCTWORK TO AVOID INTERFERENCE WITH OTHER TRADES, AT NO
FIXTURES AND NOT COVER UP JUNCTION BOXES. THIS CONTRACTOR SHALL MAKE OFFSETS
STRUCTURE, KEEP PASSAGEWAYS AND OPENINGS CLEAR, PRESERVE HEAD ROOM, CLEAR LIGHT
PROJECT AND INSTALL MECHANICAL SYSTEMS IN A MANNER WHICH WILL CONFORM TO
THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER CONTRACTORS ON THE
THE INSTALLATION PRIOR TO FABRICATION.
THIS CONTRACTOR SHALL FIELD VERIFY LOCATIONS FOR ALL DUCTWORK AND PIPING FOR
AND SHALL PROPERLY DRAIN OF VENT SAME WHERE NECESSARY. MAKE ALLOWANCES IN THE
THIS CONTRACTOR SHALL OFFSET ANY PIPING AS DIRECTED BY THE ARCHITECT/ENGINEER
TO INCREASE HEAD ROOM UNDER PIPING OR TO IMPROVE THE APPEARANCE OF PIPE WORK,
OUTLET BOXES, BEAMS, ETC. TO AVOID INTERFERENCE WITH THE WORK OF OTHER TRADES.
OFFSET PIPING WHERE REQUIRED TO ALLOW CLEARANCE OF DUCTS, ELECTRICAL CONDUIT,
-
-
TANK REMOVAL CONSTRUCTION BOUNDARY

ASPHALT, CONCRETE, AND CURB REMOVAL BY M.C.

ASPHALT PARKING LOT
CONCRETE SIDEWALK
WITH CURB

EXISTING UNDERGROUND ELECTRICAL CONDUIT
EXISTING CONCRETE LIGHT STANDARD.
FIELD VERIFY ACTUAL LOCATION WITH EXCAVATION AREA. ADJUST EXCAVATION AREA SO LIGHT STANDARD IS NOT DISTURBED.

EXISTING UNDERGROUND ELECTRICAL CONDUIT
FIELD VERIFY LOCATION OF CONDUIT AND DISCONNECT/RECONNECT ELECTRICAL FOR EXCAVATION

TANK ORIENTATION IS SHOWN BASED ON ORIGINAL CONSTRUCTION DRAWINGS. FIELD VERIFY TANK ORIENTATION PRIOR TO EXCAVATION.

EXCAVATION, TANK REMOVAL, & BACKFILL BY M.C.

ENGINEERING P.C.

M1.0
Mechanical Site Plan

RJA
02/04/2020

M1.0
Mechanical Site Demolition Plan

KEYNOTE LEGEND
D1 REMOVE UNDERGROUND FUEL OIL TANK COMPLETELY. FUEL OIL WILL BE EMPTIED BY OWNER.
D2 FLUSH UNDERGROUND FUEL OIL SUPPLY AND RETURN PIPES AND PERMANENTLY CAP PIPES AT BOTH ENDS. ABANDON PIPES IN PLACE.
D3 REMOVE UNDERGROUND FUEL OIL TANK VENT PIPE COMPLETELY. THE ABOVE GROUND PORTION OF PIPE IS INSIDE AN OLD LIGHT POLE. REMOVE VENT PIPE AND LIGHT POLE.

THIS DOCUMENT WAS ORIGINALLY ISSUED AND SEALED BY RANDY J. AXVIG, REGISTRATION NUMBER 3606, ON FEBRUARY 4, 2020, AND IS STORED AT THE OFFICE OF PRAIRIE ENGINEERING, P.C.
M2.0 Mechanical Demolition Plan

KEYNOTE LEGEND

1. M2.0 = 1/4" = 1'-0"

2. SCALE:

This document was originally issued and sealed by Randy J. Axvig, registration number 3606, on February 4, 2020, and is stored at the office of Prairie Engineering, P.C.