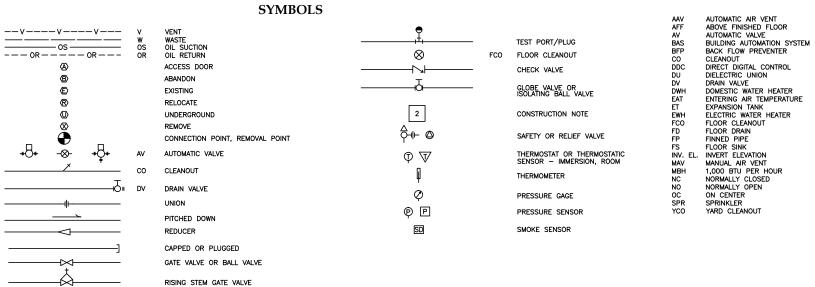
SYMBOLS

STRAINER



OIL TANK SCHEDULE

EQUIPMENT	FUNCTION	CAPACITY	DESIGN MANUFACTURER AND MODEL	FEATURES
OIL TANK, O	OIL-FIRED EQUIPMENT	3,000 GALLONS	HIGHLAND TANKS ACT-100-U	3,000 GALLON UNDERGROUND DOUBLE WALL TANK. TANK WITH INNER STEEL OR FIBERGLASS WALL AND FIBERGLASS OUTER WALL. 42-INCH SUMP ENCLOSURE AND 36-INCH MANHOLE ABOVE, STIP3 COMPELIANT. 3/4-INCH OS AND OR DOUBLE WALL OIL PIPING LOCATED IN 6-INCH CONTAINMENT PIPING RUN TO BOILER ROOM. 4" FILL WITH DOUBLE WALL SPILL CONTAINMENT MANHOLE AND 24" MANHOLE ABOVE. LEAK DETECTION AND VOLUME SENSING SYSTEM.

Sheet List Table

Sheet Number	Sheet Title
M1	SITE PLAN
M2	BOILER ROOM
м3	EXISTING OIL TANK DETAIL - DEMO
M4	OIL TANK DETAILS & DIAGRAMS
мо	SYMBOLS & SCHEDULES

CODE NOTES:

- 1. CODES & REGULATIONS: ALL WORK SHALL BE STRICTLY IN CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH SPECIFICATIONS, DRAWINGS, THE 2009 INTERNATIONAL BUILDING, MECHANICAL, AND FIRE CODES, 2009 UNIFORM PLUMBING CODE, NFPA, CBJ TITLE 19, AND STATE OF ALASKA MODIFICATIONS. ALL ELECTRICAL EQUIPMENT SHALL BEAR THE UL LABEL. ALL SHEET METAL WORK TO BE DONE IN ACCORDANCE WITH SMACNA REQUIREMENTS. PROVIDE ALL TESTING REQUIREMENTS FOR MECHANICAL SYSTEMS AS REQUIRED AND WITNESSED BY ADMINISTRATIVE AUTHORITY.
- 2. INSTALLATION OF PLUMBING SYSTEMS SHALL BE IN ACCORDANCE WITH CROSS CONNECTION REQUIREMENTS OF CHAPTER 6 OF UNIFORM PLUMBING CODE AND CBJ REQUIREMENTS.
- 3. SEE SPECIFICATIONS FOR COMPLETE INFORMATION.



ပ

₫.

MURRAYPC.COM



School

Mendenhall River Community

P O BOX JUNEAU, /

UST Replacement JUNEAU, ALASKA

SHEET TITLE:
SYMBOLS & **SCHEDULES**

SCALE: DATE: DRAWN: DESIGNED:

04/05/2016 BS/KB CHECKED:

SHEET NO.

M0 JOB NO. 15-118

AS SHOWN:

DEMOLITION NOTES:

CAP EXISTING OIL PIPING WHERE SHOWN.
DRAIN AND CAP ABANDONED OIL PIPING.

SAWCUT ASPHALT AS REQUIRED FOR REMOVAL.

REMOVE AND DISPOSE EXISTING 5000 GALLON, SINGLE WALL, OIL TANK. REMOVE ALL RELATED ACCESSORIES INCLUDING OIL PIPING, FILL PIPING, VENTS, AND CONCRETE BALLAST BELOW TANK, ETC.

REMOVE AND REPLACE FENCE AS REQUIRED FOR TANK REMOVAL AND INSTALLATION.

BOLLARD:

\(\sum_1 \sum_3 \otimes \otim

(BELØW GRADE)

-CRAWLSPACE

ROOM

SEE M2

BOILER ROOM 253

⊗3"FILL-

-(2)ELEC METERS

CRAWLSPACE

-⊗®5/8"OD OS&OR 2

5' GATE-

APPROXIMATE EXCAVATION-AND BACKFILL AREA

SHEET NOTES:

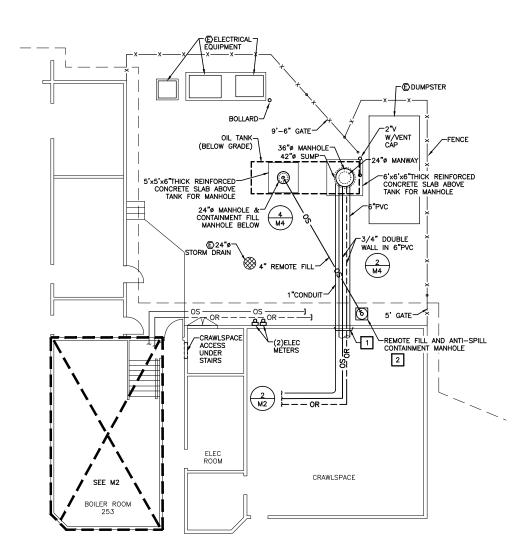
-®FENCE 🛕

-©DUMPSTER

- CONTRACTOR SHALL VERIFY ALL SITE AND CONCRETE/PAVEMENT SURFACE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION. CONTRACTOR SHALL PROTECT AS REQUIRED AND RESTORE SURFACES TO EXISTING CONDITIONS AFTER COMPLETION OF WORK.
- TANKS, PIPING SHOWN TAKEN FROM ORIGINAL CONSTRUCTION DOCUMENTS. VERIFY EXACT LOCATION ON—SITE. NOT ALL PIPING SHOWN. ELECTRICAL CONDUIT NOT SHOWN. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO WORK INCLUDING PROVIDING ALL NECESSARY LOCATION DEVICES. REPORT IMMEDIATELY TO PROJECT MANAGER ALL DIFFERING SITE CONDITIONS. CONTACT APPROPRIATE AUTHORITIES IN CHARGE OF UTILITIES PRIOR TO EXCAVATING.
- 3. RECORD AND SUBMIT ALL AS BUILT SITE CONDITIONS WITH DIMENSIONS TO EXISTING BUILDING AND STRUCTURAL ELEMENTS
- UNDERGROUND STORAGE TANK REMOVAL SHALL BE DONE IN ACCORDANCE WITH SECTION
- 5. REMOVE AND REPLACE FENCE AS REQUIRED.

CONSTRUCTION NOTES:

- CORE DRILL CONCRETE FOUNDATION WALL, INSTALL SLEEVE, SEAL SLEEVE WATERTIGHT. SEAL END OF PVC PIPE AROUND OS & OR PIPING WATERTIGHT AND NEATLY.
- 24"x24"x48"HIGH REINFORCED CONCRETE BASE. EXTEND 24—INCHES ABOVE GRADE. ALL EXPOSED CONCRETE CORNERS TO FEATURE 3/4" CHAMFER.







₫

MURRAYPC.COM



School

UST Replacement JUNEAU, ALASKA

SHEET TITLE: SITE PLAN

Mendenhall River Community

SCALE: AS SHOWN: 04/05/2016 BS/KB DRAWN: DESIGNED: CHECKED:

SHEET NO.

M1 JOB NO. 15-118 REMOVE PIPING AND ACCESSORIES BETWEEN FLOOR AND BURNER. CAP EXISTING PIPING AT FLOOR LEVEL.

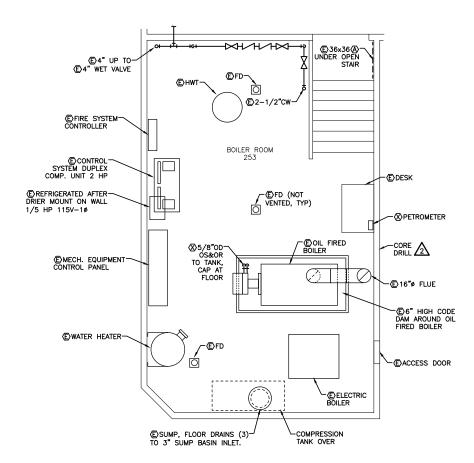
6" CORE DRILL CONCRETE WALL FOR REVISED OS/OR ROUTING.

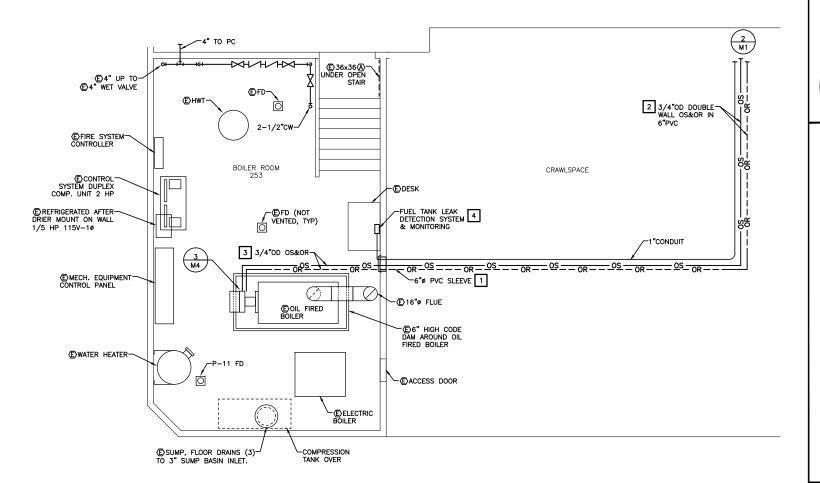
SHEET NOTES:

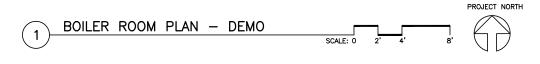
UNDERGROUND STORAGE TANK PIPING SHALL BE DONE IN ACCORDANCE WITH SECTION 13010.

CONSTRUCTION NOTES:

- CORE DRILL CONCRETE WALL. TERMINATE 6" JUST INSIDE BOILER ROOM. PROVIDE TERMINATION CAP WITH 3/4"OS&OR THROUGHT IT. SEAL END OF PVC PIPE AROUND OS & OR PIPING WATERTIGHT AND NEATLY.
- TO BE IN 6"PVC PIPING SECURED FROM AND HUNG FROM FLOOR DECK ABOVE.
- BLACK STEEL OS&OR PIPING WHERE EXPOSED, SECURE TO SIDE OF BOILER CONCRETE PAD WITH CHANNEL FRAME SUPPORT BOLTED TO PAD.
- PROVIDE POWER AND NEW BREAKER FROM EXISTING ELECTRICAL PANEL IN ADJACENT ELECTRICAL ROOM FOR LEAK DETECTOR.









ပ

₫.

MURRAYPC.COM
MURRAYPC.COM

School Mendenhall River Community UST Replacement

JUNEAU, ALASKA

SHEET TITLE: BOILER ROOM

SCALE: DATE: DRAWN: DESIGNED:

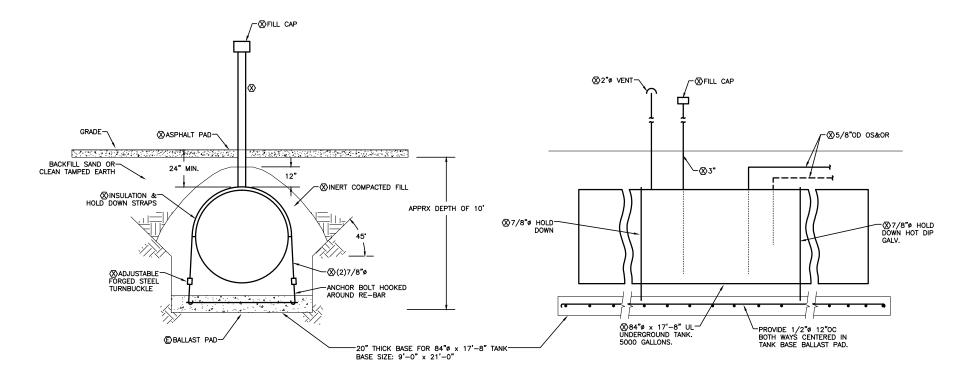
AS SHOWN: 04/05/2016 BS/KB CHECKED:

SHEET NO.

JOB NO. 15-118

SHEET NOTES:

- CONTRACTOR SHALL VERIFY ALL SITE AND CONCRETE/PAVEMENT SURFACE CONDITIONS
 PRIOR TO BIDDING AND CONSTRUCTION. CONTRACTOR SHALL PROTECT AS REQUIRED AND
 RESTORE SURFACES TO EXISTING CONDITIONS AFTER COMPLETION OF WORK.
- TANKS, PIPING SHOWN TAKEN FROM ORIGINAL CONSTRUCTION DOCUMENTS. VERIFY EXACT LOCATION ON—SITE. NOT ALL PIPING SHOWN. ELECTRICAL CONDUIT NOT SHOWN. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO WORK INCLUDING PROVIDING ALL NECESSARY LOCATION DEVICES. REPORT IMMEDIATELY TO PROJECT MANAGER ALL DIFFERING SITE CONDITIONS. CONTACT APPROPRIATE AUTHORITIES IN CHARGE OF UTILITIES PRIOR TO EXCAVATING.
- 3. RECORD AND SUBMIT ALL AS BUILT SITE CONDITIONS WITH DIMENSIONS TO EXISTING BUILDING AND STRUCTURAL ELEMENTS
- UNDERGROUND STORAGE TANK REMOVAL SHALL BE DONE IN ACCORDANCE WITH SECTION 13010.
- 5. CONTRACTOR TO VERIFY CONDITION OF EXISTING BALLAST PAD.





ပ

₫.

MURRAYPC.COM
MURRAYPC.COM P O BOX JUNEAU, /



School

Mendenhall River Community UST Replacement JUNEAU, ALASKA

SHEET TITLE: EXISTING OIL TANK DETAIL -DEMO

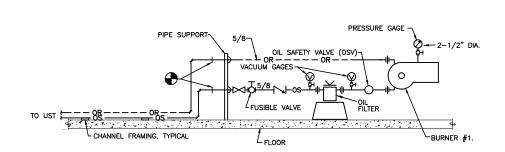
SCALE: DATE: DRAWN: DESIGNED: CHECKED:

AS SHOWN: 04/05/2016 BS/KB

SHEET NO.

M3 JOB NO. 15-118

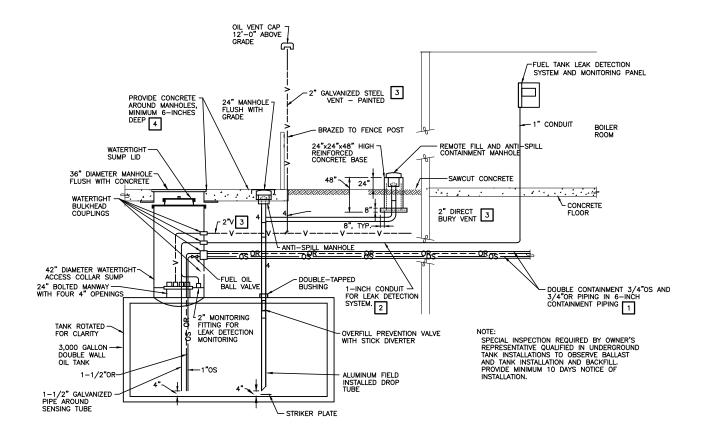
1 TANK ANCHOR DETAILS NO SCALE



BURNER PIPING DIAGRAM NO SCALE

CONSTRUCTION NOTES:

- 1 INSTALL 3/4-INCH OS AND 3/4-INCH OR DOUBLE WALL PIPING INSIDE 6-INCH CONTAINMENT PIPING FROM TANK SUMP TO BOILER ROOM USING REQUIRED CONNECTION AND TERMINATION FITTINGS. TEST PRIOR TO BACKFILL. BACKFILL AND COMPACT. SLEEVE CONTAINMENT PIPING THROUGH FOUNDATION WALL WITH 8-INCH DIAMETER SCHEDULE 40 STEEL SLEEVE. EXTEND 6-INCHES BACK SIDE. INSTALL TERMINATION FITTING IN CONCRETE WALL WHERE SHOWN IN BOILER ROOM.
- 2 INSTALL 1-INCH CONDUITS FROM TANK SUMP TO BOILER ROOM USING REQUIRED CONNECTION AND TERMINATION FITTINGS. TEST PRIOR TO BACKFILL.
- [3] INSTALL 2-INCH OIL TANK VENT FROM TANK SUMP TO LOCATION SHOWN. GALVANIZED STEEL ABOVE GROUND, DIRECT BURY FLEXIBLE VENT PIPING BELOW GROUND.
- PROVIDE REINFORCED CONCRETE SLAB, MINIMUM OF 6 INCHES DEEP, ABOVE UNDERGROUND FUEL OIL TANK. INSTALL 36" DIAMETER AND 24" DIAMETER MANHOLES IN SLAB FLUSH WITH SURFACE AND OVER TANK MANHOLES. PROVIDE MINIMUM SEPARATION OF 3—INCHES BETWEEN SURFACE MANHOLE AND BELOW GRADE FILL AND SUMP MANHOLES FOR DRAINAGE PURPOSES.



4 OIL TANK PIPING DIAGRAM
NO SCALE

<u>م</u>

780–6151 56.0% 780–6182

TEL: 907 780-61

MURRAY & ASSOCIATES, CONSULTING ENGINEERS MURRAYPC.COM

MU P O BOX 211 JUNEAU, ALASK

Mendenhall River Community School | Community Schoo

JUNEAU, ALASKA

SHEET TITLE:
OIL TANK DETAILS

SCALE: AS SHOWN:
DATE: 04/05/2016
DRAWN: BS/KB
DESIGNED: BS
CHECKED: DM

SHEET NO.

M4