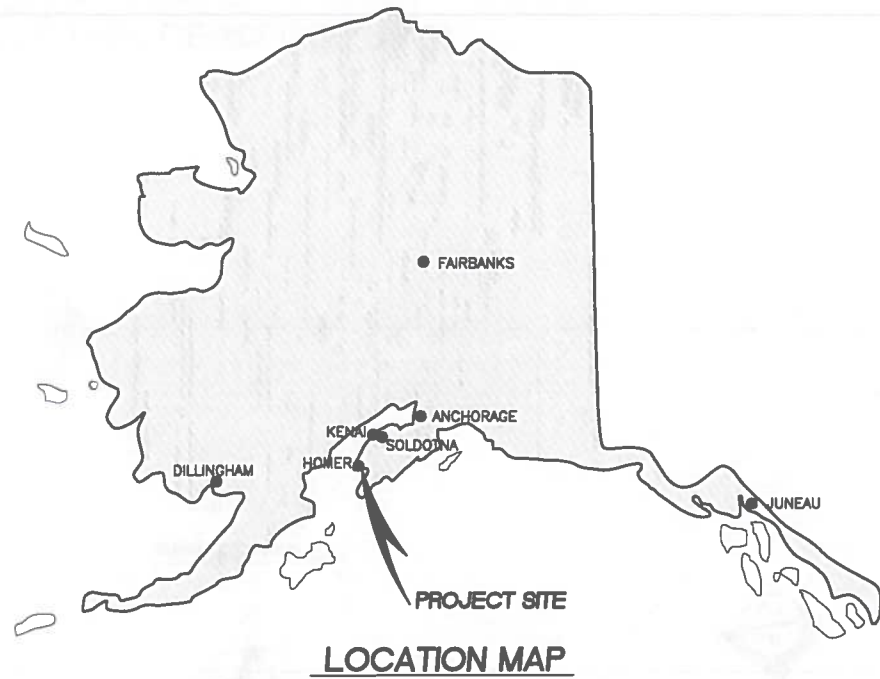


A-FRAME WATER TANK DEMOLITION 2019 FOR BID



VICINITY MAP
SCALE: NOT TO SCALE



CITY COUNCIL MEMBERS

- DONNA ADERHOLD
- SHELLEY ERICKSON
- RACHEL LORD
- HEATH SMITH
- TOM STROOZAS
- CAROLINE VENUTI

MAYOR

KEN CASTNER

CITY MANAGER

KATIE KOESTER

PUBLIC WORKS DIRECTOR

CAREY S. MEYER

DRAWING INDEX

DRAWING	SHEET
TITLE SHEET AND LOCATION MAP	C1
TANK DEMOLITION PLAN	C2
EXTERIOR TANK ELEVATION	C3
TANK SECTION	C4



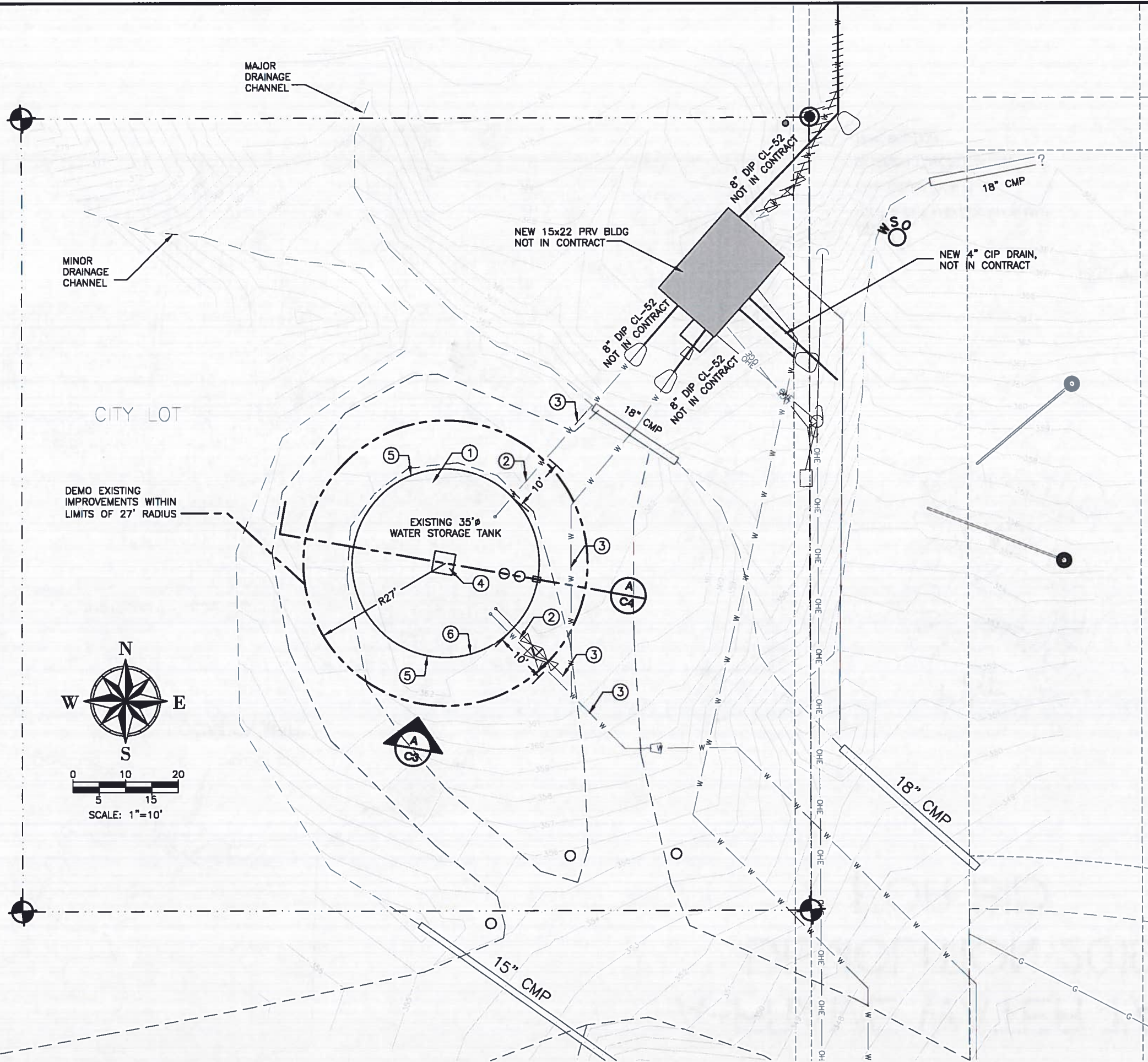
NO.	REVISION	DATE

CONSULTING ENGINEERS
STRUCTURAL/CIVIL
155 BIDARCA ST
KENAI, AK 99611
TEL. (907) 283 - 3583
NELSONENGINEER@ALASKA.NET



A-FRAME WATER TANK DEMOLITION
CITY OF HOMER
HOMER, ALASKA
TITLE SHEET AND LOCATION MAP

PROJECT NO.
1933
DRAWN BY:
MZD
CHECKED BY:
MJD
DATE: 06/27/19
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET: **C1**
1 OF 4



DEMOLITION PLAN KEY NOTES

- ① DEMO EXISTING TANK. SEE SHEET C3/C4 SECTIONS AND ATTACHED AS-BUILTS FOR ADDITIONAL INFORMATION.
- ② DEMO EXISTING WATER LINES WITHIN LIMITS OF TANK & 10' BEYOND EDGE OF TANK. CAP END OF REMAINING LINES. SEGREGATE SOILS DURING EXCAVATION AND BACKFILL TO MATCH EXISTING SOIL STRATA. PLACE ADDITIONAL NFS GRAVEL AS REQUIRED TO LEVEL EXISTING GRAVEL PAD. BACKFILL AND COMPACT TO MIN. 95% MAXIMUM DRY DENSITY OF SOIL.
- ③ EXISTING WATER LINE TO BE ABANDONED IN PLACE.
- ④ DEMO EXISTING CONCRETE 4' X 4' X 1' CONCRETE COLUMN BASE. PLACE ADDITIONAL NFS GRAVEL AS REQUIRED TO LEVEL EXISTING GRAVEL PAD. BACKFILL AND COMPACT TO MIN. 95% MAXIMUM DRY DENSITY OF SOIL.
- ⑤ OUTER SHELL CONTAINS INSULATION WITH ASBESTOS MASTIC.
- ⑥ INTERIOR LEAD LINED WALLS

GENERAL NOTES

- 1. PROPERTY SURVEY WAS PROVIDED BY ABILITY SURVEYS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL SITE FEATURES. IF THE CONTRACTOR ENCOUNTERS CONDITIONS OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY CONTACT THE ENGINEER FOR DIRECTIONS.
- 2. CONTRACT INCLUDES DEMOLITION & DISPOSAL OF EXISTING TANK, ROOFING, SIDING, FOUNDATION, CONCRETE, UNDERGROUND WATER LINES WITHIN 10' OF TANK.
- 3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. ACTUAL DEPTH, NUMBER AND LOCATION UNKNOWN. BURIED UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, IDENTIFYING, AND WORKING AROUND ALL UTILITIES WITHIN THE PROJECT LIMITS AT NO ADDITIONAL COST TO THE OWNER. CALL 811 FOR LOCATES PRIOR TO EXCAVATION.
- 4. IF NOT DETAILED IN THE PROJECT DRAWINGS AND SPECIFICATIONS, ALL APPLICABLE CONSTRUCTION SHALL BE BUILT IN ACCORDANCE WITH CITY OF HOMER STANDARD SPECIFICATIONS, LATEST EDITION AND LOCAL UTILITY COMPANY STANDARD SPECIFICATIONS.
- 5. SEED ALL EXISTING VEGETATED AREAS DISTURBED BY CONSTRUCTION PER CITY OF HOMER STANDARD CONSTRUCTION SPECIFICATIONS, LATEST EDITION.
- 6. CONTOURS SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES AND SHOULD ONLY BE USED AS A REPRESENTATION OF EXISTING GRADES.
- 7. THE FOLLOWING ALASKA STATUTES APPLY TO WORK NEAR OVERHEAD ELECTRIC LINES:
 AS 18.60.670 PROHIBITION AGAINST PLACEMENT OF EQUIPMENT NEAR ELECTRICAL LINES AND CONDUCTORS.
 (1) PLACE ANY TYPE OF TOOL, EQUIPMENT MACHINERY, OR MATERIAL THAT IS CAPABLE OF LATERAL, VERTICAL OR SWINGING MOTION 10 FEET OFF A HIGH VOLTAGE OVERHEAD ELECTRICAL LINE OR CONDUCTOR.
 (2) STORE, OPERATE, ERECT, MAINTAIN, MOVE, OR TRANSPORT TOOLS, MACHINERY, EQUIPMENT, SUPPLIES, MATERIALS, APPARATUS, BUILDINGS, OR OTHER STRUCTURES.
 AS 18.60.680 ANY WORK WITH MINIMUM DISTANCE STATED ABOVE SHALL REQUIRE CONTACT WIT HEA TO INSTALL TEMPORARY DE-ENERGIZATION AND GROUNDING, OR TEMPORARY RAISING OF CONDUCTORS.
- 8. THE EXISTING WATER TANK CONTAINS ASBESTOS. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) OVERSEES THE WORKING CONDITIONS FOR U.S. WORKERS BY IMPLEMENTING AND MANAGING OCCUPATIONAL SAFETY AND HEALTH STANDARDS. THE FOLLOWING REGULATIONS PERTAIN TO HANDLING ASBESTOS IN THE WORKPLACE.
 29 CFR 1910.1001 ASBESTOS GENERAL STANDARD - SPECIFICATION OF PERMISSIBLE EXPOSURE LIMITS, ENGINEERING CONTROLS, WORKER TRAINING, LABELING, RESPIRATORY PROTECTION, AND DISPOSAL OF ASBESTOS WASTE.
 29 CFR 1926.1101 ASBESTOS CONSTRUCTION STANDARD - COVERS CONSTRUCTION WORK INVOLVING ASBESTOS, INCLUDING WORK PRACTICES DURING DEMOLITION AND RENOVATION, WORKER TRAINING, DISPOSAL OF ASBESTOS WASTE, AND SPECIFICATION OF PERMISSIBLE EXPOSURE LIMITS.



NO.	REVISION	DATE

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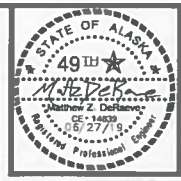
NELSON ENGINEERING

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A-FRAME WATER TANK DEMOLITION
CITY OF HOMER
HOMER, ALASKA
TANK DEMOLITION PLAN

PROJECT NO.	1933
DRAWN BY:	MZD
CHECKED BY:	MJD
DATE:	06/27/19
SCALES:	NOTED
HORIZ.	NOTED
VERT.	NOTED
SHEET:	C2
2 OF 4	

A
C2 **TANK DEMOLITON PLAN**
GRAPHIC SCALE: 1" = 10' (22X34), 1" = 20' (11X17)



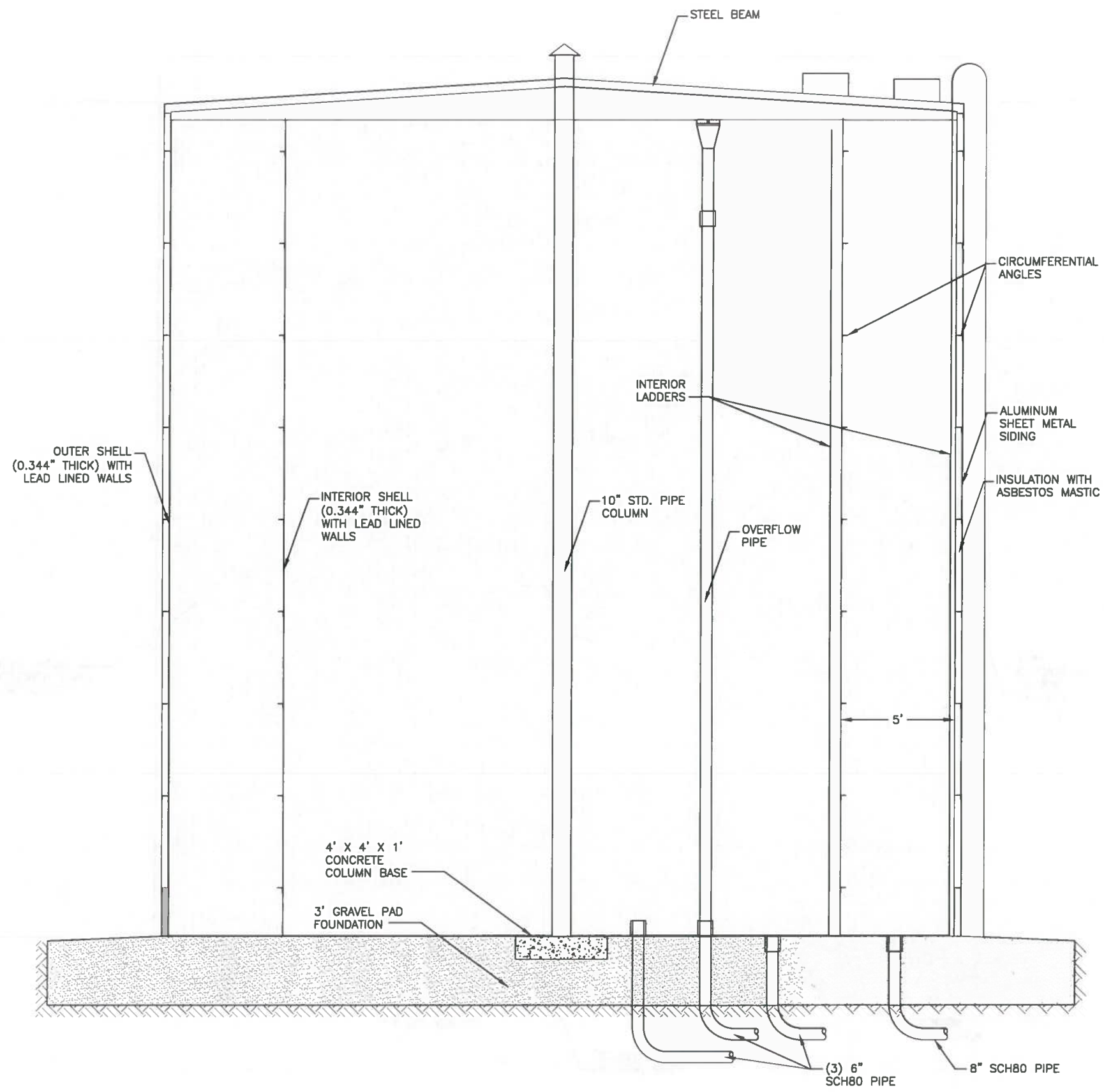
NO.	REVISION	DATE

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A-FRAME WATER TANK DEMOLITION
CITY OF HOMER
HOMER, ALASKA
TANK SECTION

PROJECT NO.
1933
DRAWN BY:
MZD
CHECKED BY:
MJD
DATE: 06/27/19
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET:
C4
4 OF 4



A
C4 TANK SECTION
GRAPHIC SCALE: 3/8" = 1'-0" (22X34), 3/16" = 1'-0" (11X17)



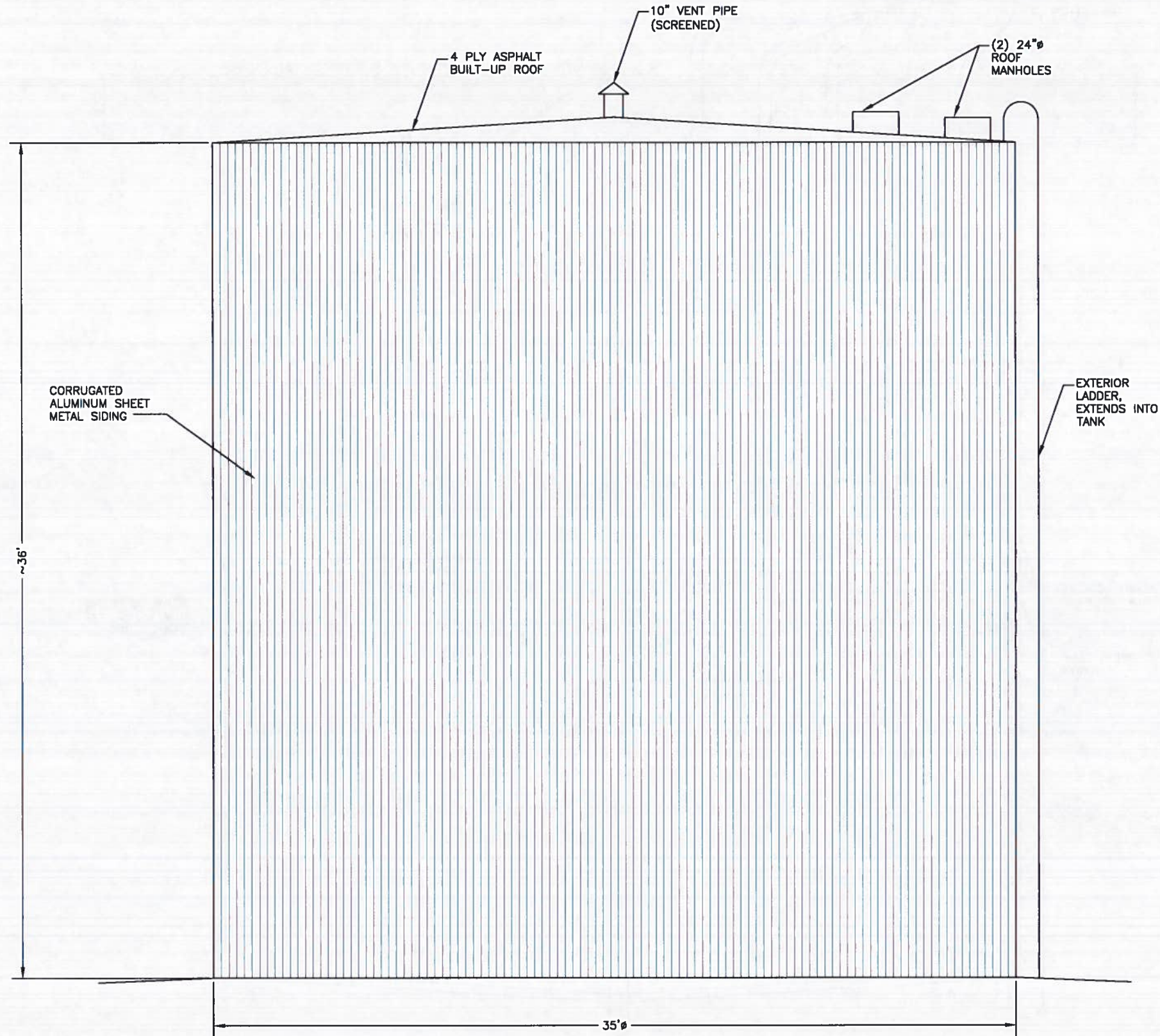
NO.	REVISION	DATE

CONSULTING ENGINEERS
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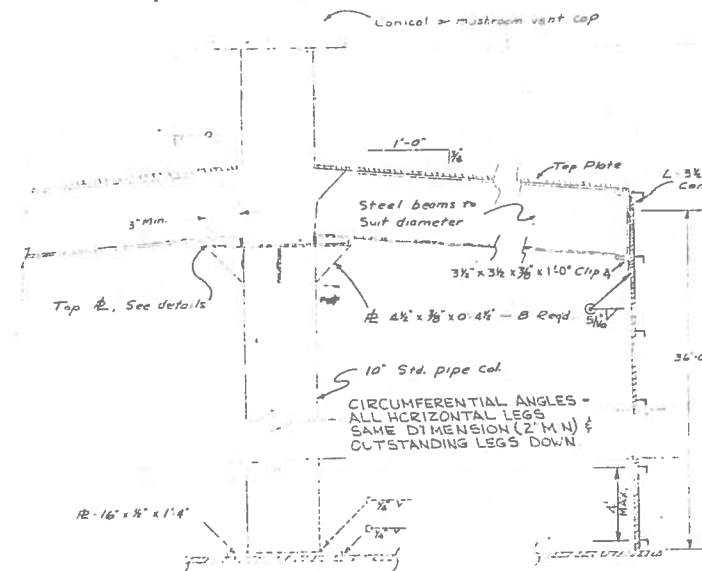
A-FRAME WATER TANK DEMOLITION
CITY OF HOMER
HOMER, ALASKA
EXTERIOR TANK ELEVATION

PROJECT NO.
1933
DRAWN BY:
MZD
CHECKED BY:
MJD
DATE: 06/27/19
SCALES: NOTED
HORIZ. NOTED
VERT. NOTED
SHEET: C3
3 OF 4

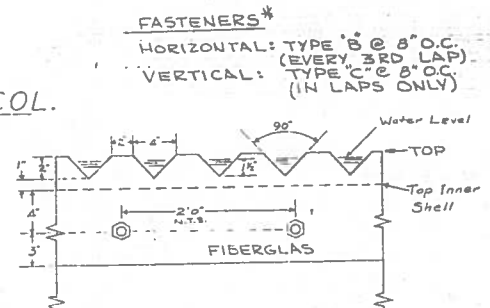


EXTERIOR TANK ELEVATION

GRAPHIC SCALE: 3/8" = 1'-0" (22X34), 3/16" = 1'-0" (11X17)



SUPPORT OF ROOF BEAMS ON COL.
SCALE: 1" = 1'-0"

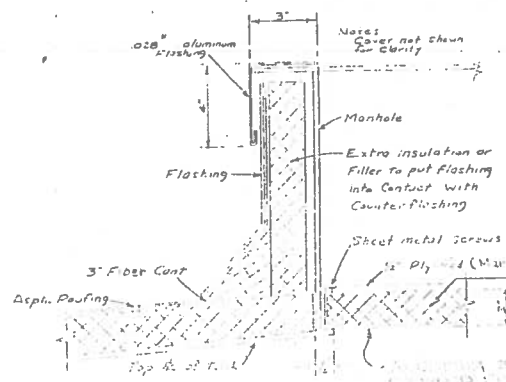


ELEVATION A-A
WEIR PLATE DETAILS
SCALE: 1/8" = 1"

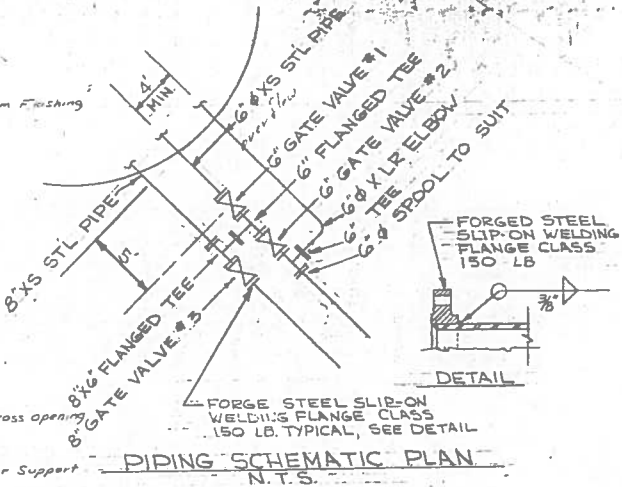
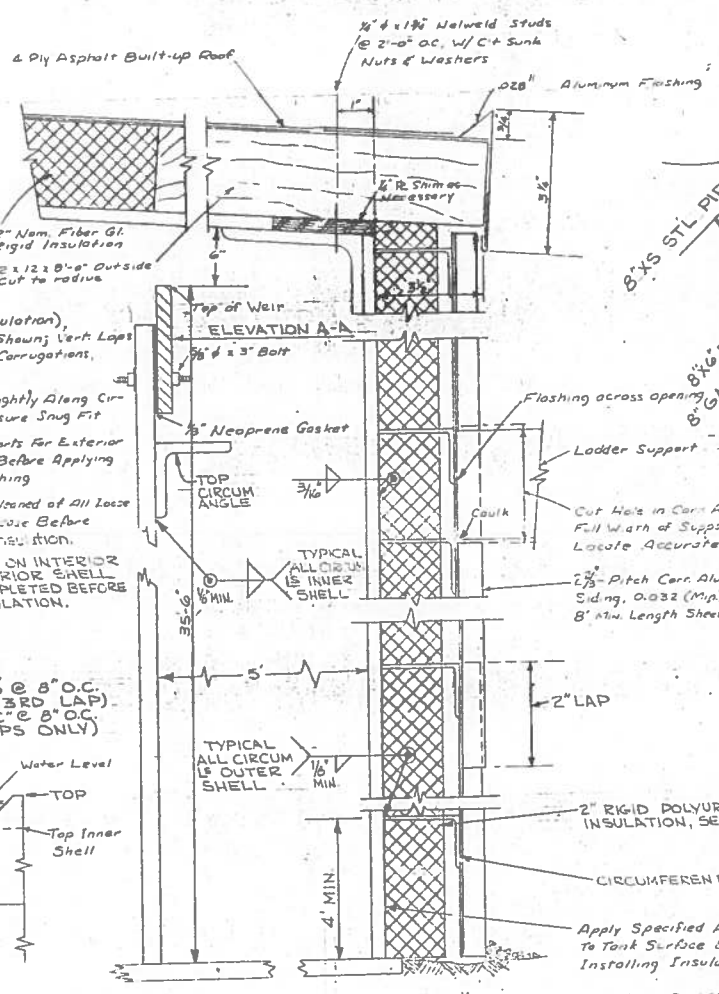
- Notes: (Tank Insulation)
1. Horiz. Laps as Shown; Vert Laps Not Less than 1 1/2 Corrugations.
 2. Pull Corr Alum. Tightly Along Circumference To Insure Snug Fit
 3. Install All Supports for Exterior Appurtenances Before Applying Aluminum Sheathing
 4. Tank Shall Be Cleaned of All Loose Scale, Oils, & Grime Before Application of Insulation.
 5. ALL WELDING ON INTERIOR SIDE OF EXTERIOR SHELL SHALL BE COMPLETED BEFORE APPLYING INSULATION.

FASTENERS*
HORIZONTAL: TYPE 'B' @ 8" O.C. (EVERY 3RD LAP)
VERTICAL: TYPE 'C' @ 8" O.C. (IN LAPS ONLY)

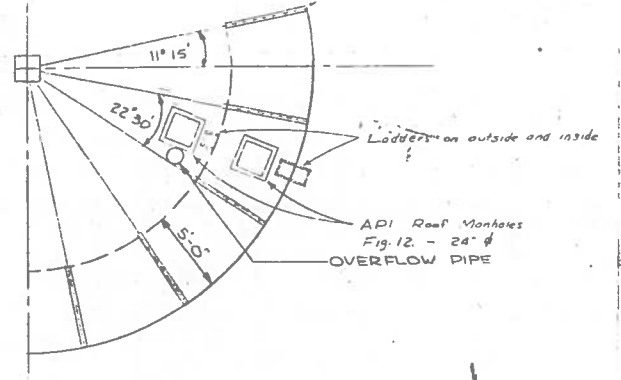
TANK INSULATION
HALF SCALE.



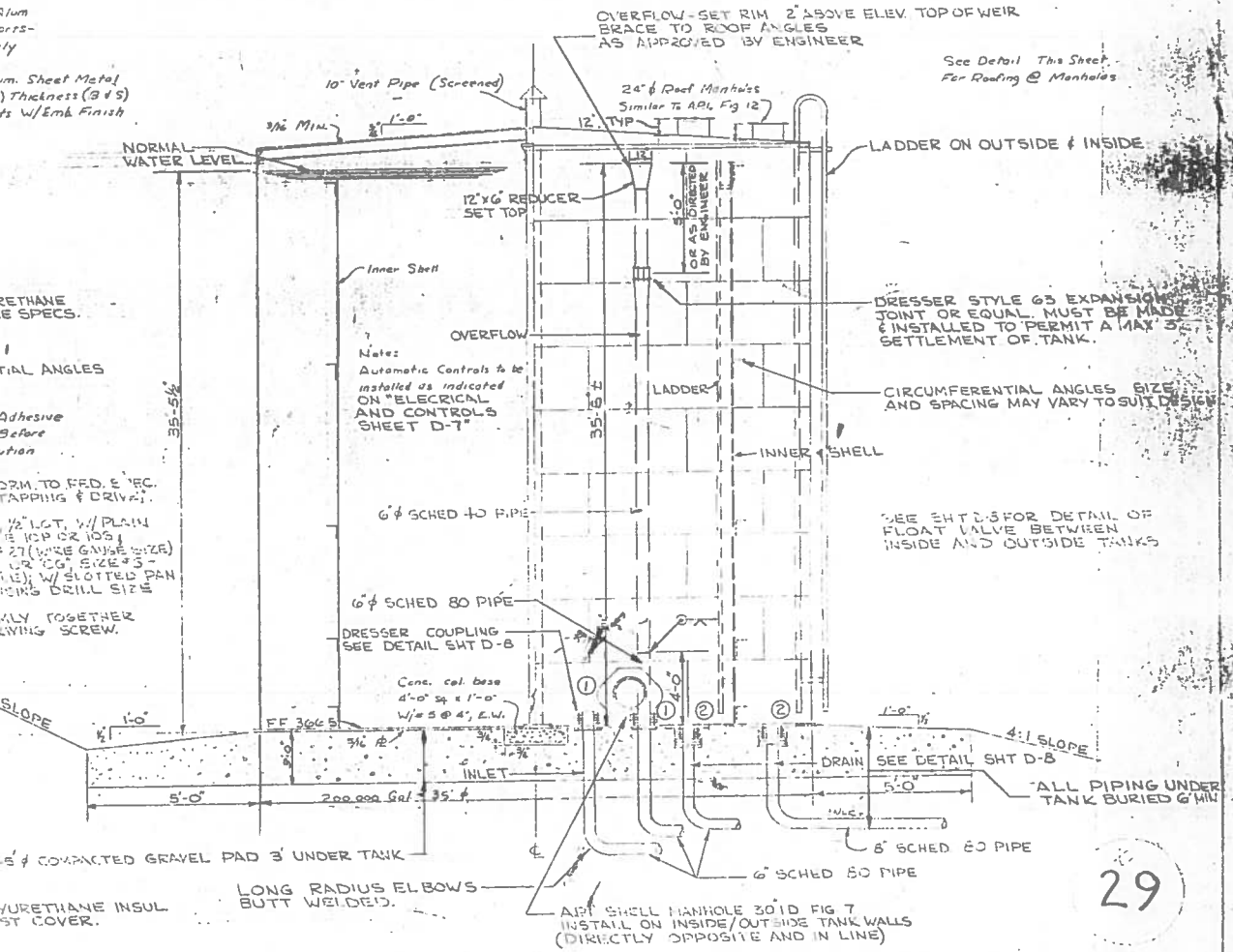
ROOFING AT MANHOLE
NOT TO SCALE



PIPING SCHEMATIC PLAN
N.T.S.



1/4 ROOF RAFTER PLAN
SCALE: 3/16" = 1'-0"



HALF SECTION HALF PLAN

TOP VIEW - TANK RIM
SCALE: 1" = 1'-0"

COL. TOP PLATE DETAIL
SCALE: 1" = 1'-0"

TYPICAL
SCALE: 1/2" = 1'-0"

NOTE: ALL VERTICAL SECTIONS & PIPE SHALL BE CLEANED WELL COATED WITH GASKET LUBRICANT AND WELDED WITH 2 TACKING OF 60/40 POLYURETHANE PLASTIC.

PLAN OF SAND DRAINS UNDER TANK. ALL DRAIN HOLES 10" X 50" TO 25" DEEP UNDER TANK PAD FILL DRAINS WITH 2" SAND AS SHOWN BY THE NUMBER.

REV. DATE	DESCRIPTION	BY
TRUCK, RYAN & HAYS	ANCHORAGE, ALASKA	
HOMER WATER SUPPLY WATER TANK DETAIL		
DRAWN TO S.	CHECKED	DATE
DATE	AUG 1965	
SCALE	AS SHOWN	SHEET D-5 OF 8
00704		

