SOUTHCENTRAL FOUNDATION

VNPCC NEW GENERATOR

1001 S. GOOSE BAY ROAD, WASILLA, AK 99654

22007.01

PERMIT DOCUMENTS

03.05.2026

OWNER
SOUTHCENTRAL FOUNDATION
4510 DIPLOMACY DRIVE
ANCHORAGE, ALASKA 99508
Ph: 907.729.3378

CONTRACTOR
TBD
ADDRESS
CITY, STATE,ZIP CODE
Ph: XXX.XXX.XXXX

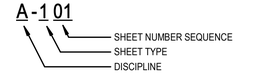
ARCHITECT
KPB ARCHITECTS
500 L STREET, SUITE 400
ANCHORAGE, ALASKA 99501
Ph: 907.274.7443

CIVIL ENGINEER
EBSC ENGINEERS
11301 OLIVE LANE
ANCHORAGE, ALASKA 99515
Ph: 907.222.1085

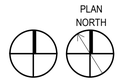
STRUCTURAL ENGINEER
REID MIDDLETON
4300 B STREET, SUITE 302
ANCHORAGE, ALASKA 99503
Ph: 907.562.3439

ELECTRICAL ENGINEER
RSA ENGINEERING
670 W. FIREWEED LANE, SUITE 200
ANCHORAGE, ALASKA 99503
Ph: 907.276.0521

SYMBOLOGY LEGEND

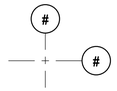


SHEET NUMBER

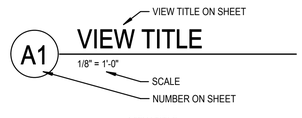


NORTH ARROW

EXISTING GRID BUBBLES



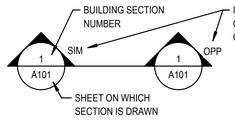
GRID BUBBLES



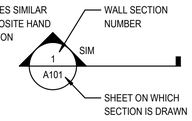
VIEW TITLE

ELEVATION REFERENCE

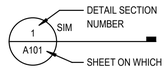
INTERIOR ELEVATION REFERENCE



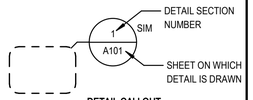
BUILDING SECTION



WALL SECTION



DETAIL SECTION



DETAIL CALLOUT

ROOM NAME

ROOM TAG

ROOM NAME
150 SF
421 SF

ROOM TAG WITH AREA

DOOR TAG

PARTITION TAG

WINDOW TAG

FIXTURE AND EQUIPMENT TAG

ACP-1
1' - 0" A.F.F.

CEILING TAG

CASEWORK TAG

FURNITURE TAG

FINISH TAG

ALIGN SYMBOL

SPOT ELEVATION

LEVEL DATUM

REVISION CALLOUT AND CLOUD

CODED NOTE TAG

CENTERLINE SYMBOL

MATCHLINE REFERENCE

GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE CODES AS ADOPTED AND AMENDED BY CITY OF WASILLA, ALASKA.
2. THESE DRAWINGS ARE SUPPLIED TO THE CONTRACTOR AND OTHERS FOR THEIR USE FOR THIS SPECIFIC PROJECT. ALL COPIES OF THESE DRAWINGS SHALL REMAIN THE PROPERTY OF kpb architects. AND SHALL NOT BE REUSED OR REPRODUCED WITHOUT PERMISSION OF kpb architects.
3. THE ORGANIZATION OF DOCUMENTS ARE NOT INTENDED TO CONTROL THE DIVISION OF WORK. DIVISION OF WORK SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. CONTRACTOR SHALL VERIFY DIMENSIONS, REQUIRED CLEARANCES, AND POWER AND PLUMBING REQUIREMENTS FOR ALL OWNER AND NIC ITEMS. NOTIFY OWNER OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
5. EXISTING CONDITIONS SHOWN ARE BASED ON RECORD DRAWINGS AND / OR ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.

SHEET INDEX

VICINITY MAP

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AK CORPORATION # 34752 D

SOUTHCENTRAL FOUNDATION
VNPCC NEW GENERATOR
PERMIT DOCUMENTS
1001 S. GOOSE BAY ROAD, WASILLA, AK 99654

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	22007.01
DATE	03.05.2026
DRAWN	
REVIEWED	AW

SHEET NAME
VICINITY MAP/GENERAL NOTES/SHEET INDEX

SHEET NO.
G001

HALF-SCALE AT 11X17

C:\Users\jshin\Documents\v2022-VNPCC-ARCH-CS_CENTRAL_jshin@kpbarchitects.com.rvt

SURVEY NOTES

SURVEY CONTROL NOTES

HORIZONTAL CONTROL
Coordinates are based on an assumed datum in U.S. Feet. Bearings are based on the Plat of TRACT A, ROCK CENTER PHASE I SUBDIVISION, filed as Plat No. 2006–204 in the Palmer Recording District, Third Judicial District, State of Alaska.

VERTICAL CONTROL
Elevations are based on an assumed datum in U.S. Feet. The Basis of Elevations is temporary benchmark "702", a 2–1/2" Alaska Department of Transportation aluminum cap in a monument case having an assumed value of 500.00 feet.

UTILITY NOTE
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available.

SURVEY CONTROL POINTS

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	10283.55	19691.25	516.61	ALCAP
2	10908.74	19954.22	507.86	ALCAP
3	10877.28	18721.33	515.88	ALCAP
701	9994.18	20000.01	511.30	ALMON
702	9885.59	19409.51	500.00	ALMON
703	9990.57	19409.34	~~505.77~~ ***505.20±***	~~REBAR W/PLASTIC CAP~~ ***ALMON***
704	11135.99	18905.26		REBAR W/PLASTIC CAP
705	11139.38	18906.50		REBAR W/PLASTIC CAP

LEGEND

PROPOSED	EXISTING	
		NATURAL GAS
		COMMUNICATIONS LINE
	E	UNDERGROUND ELECTRIC
	OE	OVERHEAD ELECTRIC
	T	BURIED TELEPHONE LINE
		PROPERTY LINE
		EASEMENT LINE
		STRUCTURE
		CURB & GUTTER

ABBREVIATIONS

ACP	–	ASPHALT CONCRETE PAVEMENT	N	–	NORTH / NORTHING
BOP	–	BOTTOM OF PIPE	OH	–	OVERHEAD
C	–	CABLE	OHW	–	ORDINARY HIGH WATER
CB	–	CATCH BASIN	PCPEP	–	PERFORATED CPEP
C&G	–	CURB & GUTTER	PSI	–	POUNDS PER SQUARE INCH
CIP	–	CAST IRON PIPE	R	–	RADIUS
CMP	–	CORRUGATED METAL PIPE	ROW	–	RIGHT–OF–WAY
CO	–	CLEAN OUT	S	–	SOUTH
CONC	–	CONCRETE	SD	–	STORM DRAIN
CPP	–	CORRUGATED PLASTIC PIPE	SDCB	–	STORM DRAIN CATCH BASIN
CPEP	–	CORRUGATED POLYETHYLENE PIPE	SDCO	–	STORM DRAIN CLEAN OUT
DIA	–	DIAMETER	SDMH	–	STORM DRAIN MANHOLE
DIP	–	DUCTILE IRON PIPE	SS	–	SANITARY SEWER
E	–	EAST / EASTING / EXISTING	SSCO	–	SANITARY SEWER CLEANOUT
ELEV	–	ELEVATION	SSMH	–	SANITARY SEWER MAHNOLE
EP	–	EDGE OF PAVEMENT	SW	–	SIDEWALK
EX	–	EXISTING	T	–	TELEPHONE
FF	–	FINISH FLOOR	TA	–	TOP OF ASPHALT
FL	–	FLOW LINE	TB	–	TEST BORING
GR	–	GROUND	TBC	–	TOP BACK OF CURB
GB	–	GRADE BREAK	TRW	–	TOP OF RETAINING WALL
GV	–	GATE VALVE	TSW	–	TOP OF SIDEWALK
INV	–	INVERT	TYP	–	TYPICAL
LC	–	LEVELING COURSE	VB	–	VALVE BOX
ME	–	MATCH EXISTING	VLY GTR	–	VALLEY GUTTER
MIN	–	MINIMUM	W	–	WEST
NTS	–	NOT TO SCALE	ø	_	DIAMETER

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE INSTALLED PER THE LATEST EDITION OF THE MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS (MASS) UNLESS OTHERWISE NOTED. NO FIELD CHANGES WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER.
2. CAUTION, EXISTING UTILITIES SHOWN ARE NOT COMPREHENSIVE. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION / CONSTRUCTION, AND SHALL CALL FOR UTILITY LOCATES A MINIMUM OF TWO UTILITY WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.
3. ALL BACKFILL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR COMPACTION PROCEDURE (ASTM D1557) WITH MAXIMUM LIFT THICKNESS OF 12".
4. MAINTAIN A MINIMUM OF 36–INCHES OF VERTICAL SEPARATION BETWEEN ANY STORM SEWER (STORM DRAIN OR FOOTING DRAIN) AND WATERLINE (MAINS OR SERVICES) OR SANITARY SEWER (MAINS OR SERVICES). IF 36–INCHES CANNOT BE MAINTAINED, PROVIDE A MINIMUM OF 4–INCH THICK INSULATION.
5. CONTRACTOR SHALL VERIFY AND RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD ANY CHANGES ON THE CONTRACTOR RECORD DRAWINGS.
6. THE CONTRACTOR SHALL RESTORE ALL DISTURBED PROPERTY, INCLUDING DRAINAGE SWALES, DISTURBED BY CONTRACT ACTIVITIES TO PRE–CONSTRUCTION CONDITION.
7. THE CONTRACTOR SHALL RECORD SURVEY NOTES FOR SUBMITTAL WITH RECORD DRAWING PLANS PRIOR TO CONTRACT FINAL PAYMENT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. AT A MINIMUM, THE CONTRACTOR SHALL SWEEP UP ANY SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHT–OF–WAY WITHIN 24 HOURS OF THE TRACKING TO MINIMIZE THE WASH–OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.
9. IF DEWATERING IS REQUIRED, WATER RESULTING FROM THE CONTRACTOR'S DEWATERING EFFORT MAY NOT BE PUMPED OR OTHERWISE DIVERTED INTO EXISTING STORM DRAINS UNLESS THE CONTRACTOR OBTAINS PERMITS INCLUDING, BUT NOT LIMITED TO, THOSE REQUIRED BY THE MUNICIPALITY OF ANCHORAGE STORM WATER PLAN REVIEW OFFICE. IT IS NOT ALLOWABLE UNDER ANY CIRCUMSTANCES FOR THE CONTRACTOR TO DIVERT WATER FROM EXCAVATIONS IN TO ROADWAYS. CONTRACTOR SHALL PROVIDE A DISPOSAL SITE FOR EXCESS WATER AND SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS. CONTRACTOR SHALL PROVIDE COPIES OF NECESSARY PERMITS AND APPROVALS TO THE MOA RIGHT OF WAY PERMIT OFFICE.

811
Know what's below.
Call before you dig.
ALASKA DIGLINE

LEGAL DESCRIPTION

CHUGACH NORTH SUBDIVISION TRACT 2

STATE OF ALASKA
49TH
LUKE MATTISON
CE 14384
3/5/2026
PROFESSIONAL ENGINEER

KPB ARCHITECTS
500 L STREET, SUITE 400
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VNPCC NEW GENERATOR
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1001 S. KNIK-GOOSE BAY ROAD WASILLA, AK 99654

REVISION SCHEDULE

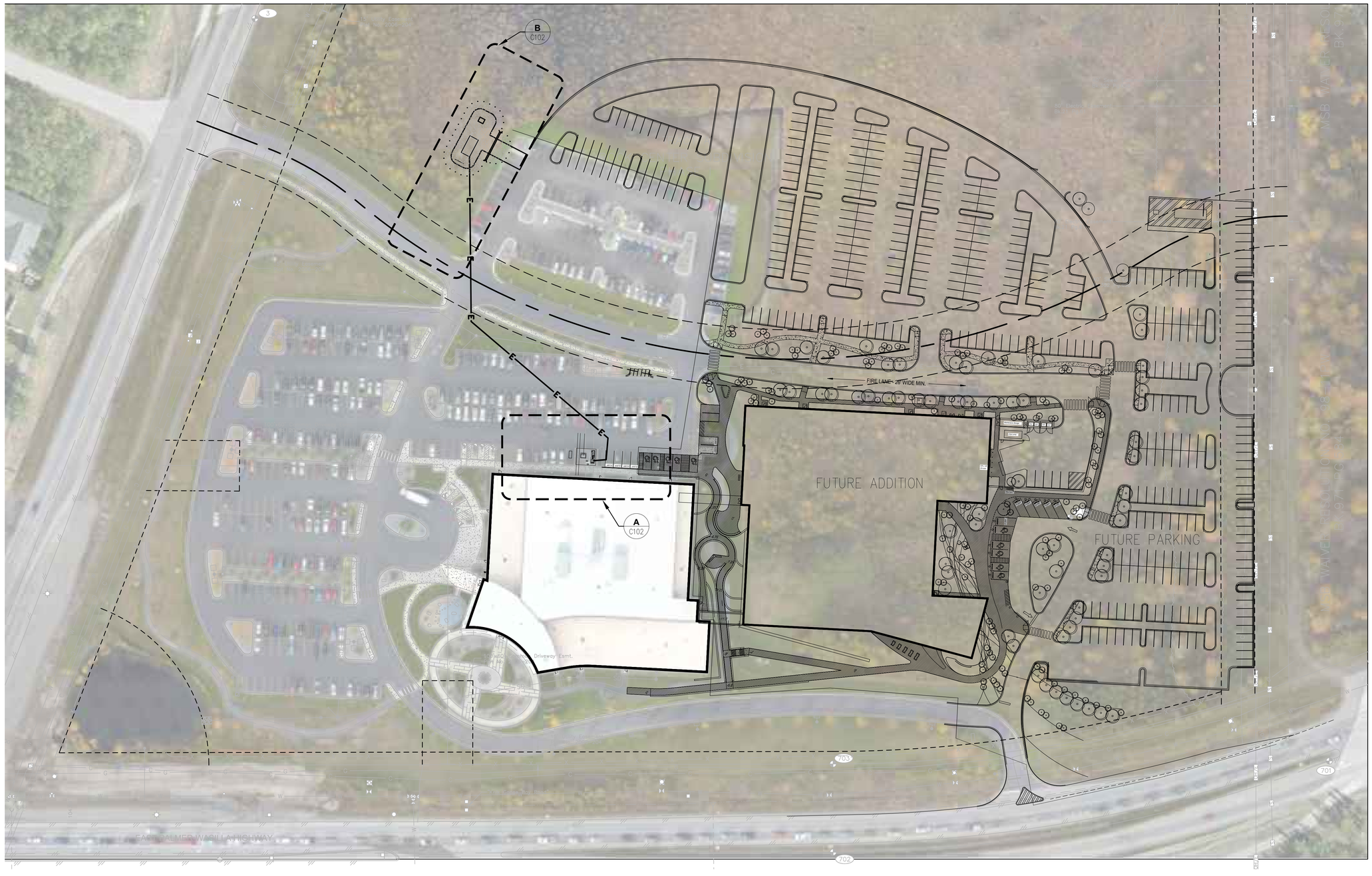
#	DESCRIPTION	DATE

JOB NO.	E22.06
DATE	3.5.2026
DRAWN	LDM
REVIEWED	LDM

SHEET NAME
CIVIL NOTES LEGEND & ABBREVIATIONS

SHEET NO.
C001

HALF-SCALE AT 11X17



1 C101 **CIVIL SITE PLAN**

SCALE: 1"=60'

0 60 120

SCALE IN FEET

STATE OF ALASKA
49TH
LUKE MATTSON
CE 14384
2/5/2026
REGISTERED PROFESSIONAL ENGINEER

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REVISION SCHEDULE

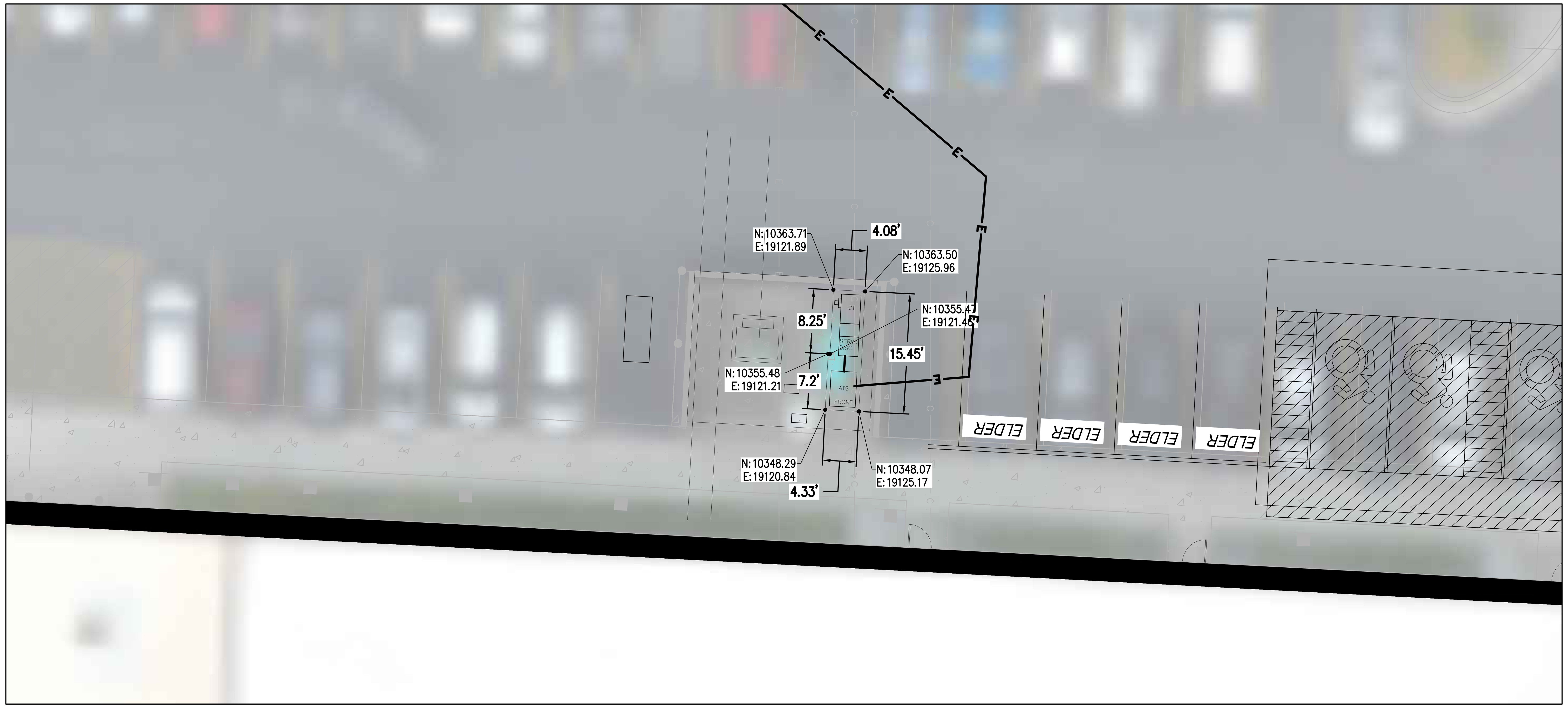
#	DESCRIPTION	DATE

JOB NO.	E22.06
DATE	3.5.2026
DRAWN	LDM
REVIEWED	LDM

SHEET NAME
CIVIL SITE PLAN

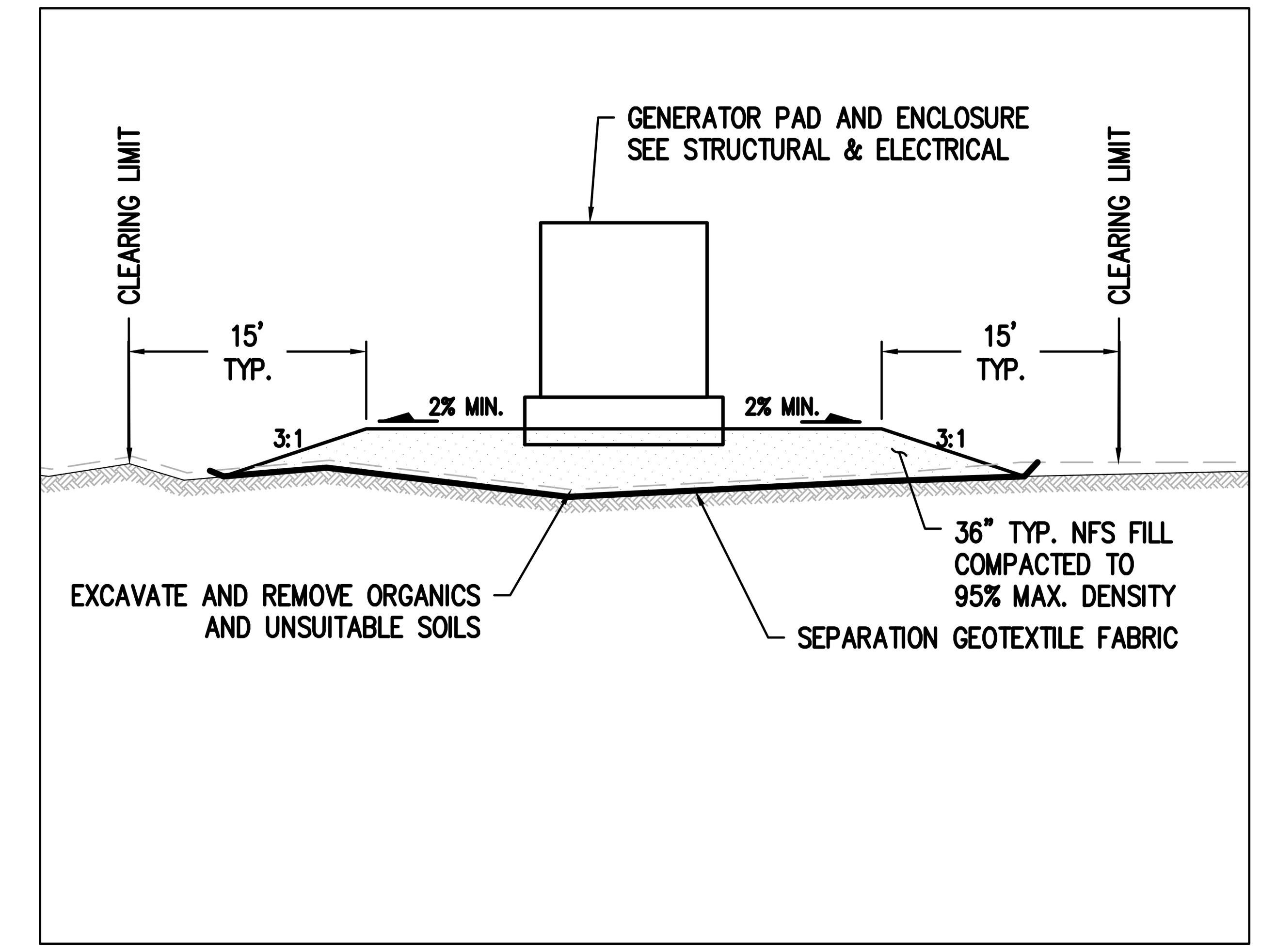
SHEET NO.
C101

HALF-SCALE AT 11X17

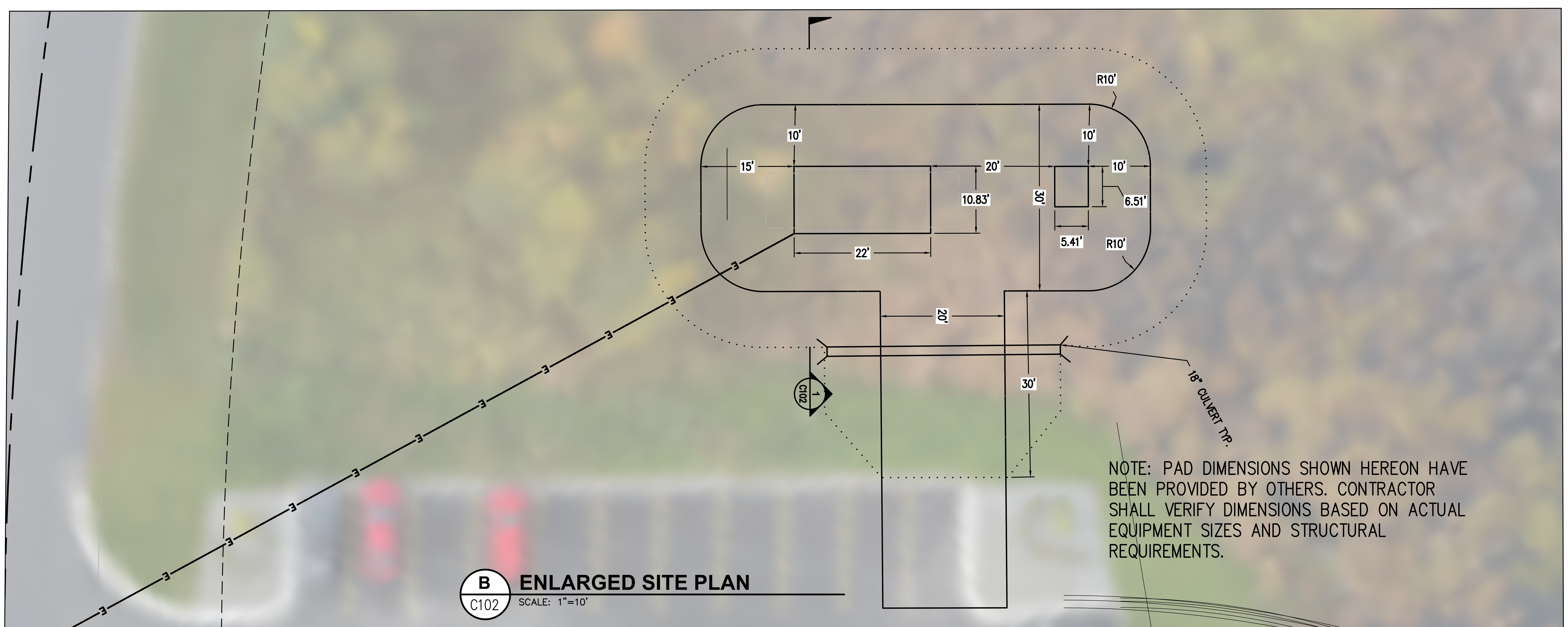


A C102 **ENLARGED SITE PLAN**
SCALE: 1"=10'

0 10 20
SCALE IN FEET



1 C102 **GENERATOR PAD SECTION**
SCALE: 1"=10'



NOTE: PAD DIMENSIONS SHOWN HEREON HAVE BEEN PROVIDED BY OTHERS. CONTRACTOR SHALL VERIFY DIMENSIONS BASED ON ACTUAL EQUIPMENT SIZES AND STRUCTURAL REQUIREMENTS.

B C102 **ENLARGED SITE PLAN**
SCALE: 1"=10'

STATE OF ALASKA
LUKE MATTSON
CE 14384
3/5/2026
REGISTERED PROFESSIONAL ENGINEER

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#	DESCRIPTION	DATE

JOB NO.	E22.06
DATE	3.5.2026
DRAWN	LDM
REVIEWED	LDM

SHEET NAME
ENLARGED SITE PLAN

SHEET NO.
C102

HALF-SCALE AT 11X17

GENERAL STRUCTURAL NOTES
THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS AMONG THE DRAWINGS BEFORE STARTING ANY WORK OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, REFERENCE STANDARDS, SITE CONDITIONS OR GOVERNING CODE, THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. CONTRACTOR SHALL NOTIFY THE ENGINEER OF DISCREPANCIES AND OBTAIN DIRECTION PRIOR TO PROCEEDING. NOTES ON INDIVIDUAL STRUCTURAL DRAWINGS SHALL TAKE PRIORITY OVER GENERAL STRUCTURAL NOTES. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED AS TYP ON THE PLANS BUT SHALL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS.

ALL CONSTRUCTION SHALL COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED AND ADOPTED BY THE STATE OF ALASKA.

SAFETY - THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL FEDERAL, STATE AND LOCAL SAFETY STANDARDS. THE CONTRACTOR IS IN CHARGE OF ALL SAFETY MATTERS ON AND AROUND THE JOB SITE.

STRUCTURAL DESIGN DATA
STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE IBC AS AMENDED AND ADOPTED BY THE STATE OF ALASKA. RISK CATEGORY IS IV (EMERGENCY BACKUP) IN ACCORDANCE WITH IBC SECTION 1604.5.

WIND LOADS: BASIC WIND SPEED (3-SECOND GUST, Vult)=133 MPH, EXPOSURE B

SEISMIC LOADS: SITE CLASS D, DESIGN CATEGORY D,
Ss=1.619, S1=0.849, Sds=1.078, Ie=1.5

FOUNDATIONS
FOUNDATIONS ARE DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 2,500 PSF UNDER SUSTAINED LOADING.

SUB-GRADES BENEATH FOOTINGS AND SLABS MUST BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS MEASURED BY ASTM D1557. BACKFILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS MUST BE COMPACTED TO A MINIMUM OF 90 PERCENT OF MAXIMUM DRY DENSITY.

INSULATION
RIGID UNDERSLAB INSULATION TO BE XPS TYPE IV

SPECIAL INSPECTION
SPECIAL INSPECTION IS NOT REQUIRED, TYPICALLY.
CONCRETE IS MINOR IN NATURE AND NOT HIGHLY STRESSED.
POST-INSTALLED ANCHORS STRESSED TO LESS THAN 50% USING OVERSTRENGTH LOADS (UNLESS 'SP' NOTED NEXT TO ANCHORS, THEN PERIODIC SPECIAL INSPECTION IS REQUIRED).

STRUCTURAL CONCRETE
ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301, STANDARD SPECIFICATION FOR STRUCTURAL CONCRETE, AS MODIFIED BY IBC SECTION 1905 AND LOCAL ADOPTED AMENDMENTS. CONCRETE SHALL BE PROPORTIONED TO ACHIEVE A WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. CONCRETE PLACED DURING COLD WEATHER SHALL CONFORM TO ACI 306. ALL COLD WEATHER CONCRETE AND CONCRETE EXPOSED TO WEATHER SHALL CONTAIN AIR ENTRAINMENT PER ACI 318-14 TABLE 19.3.3.1.

ALL CAST-IN-PLACE CONCRETE:
1. MINIMUM 28-DAY COMPRESSIVE STRENGTH = 4,,500 PSI
2. MAXIMUM AGGREGATE SIZE = 3/4"
3. MAXIMUM WATER-CEMENT RATIO = 0.50
4. MAXIMUM CHLORIDE ION CONTENT = 1.00%
5. TARGET AIR CONTENT = 6% (+/-1%)

APPLICABLE ASTM STANDARDS:
PORTLAND CEMENT = ASTM C150
AGGREGATE = ASTM C33, NORMAL WEIGHT
WATER = ASTM C94, SECTION 5.4 OR ASTM C1602
WATER REDUCING ADMIXTURE = ASTM C494, TYPE A

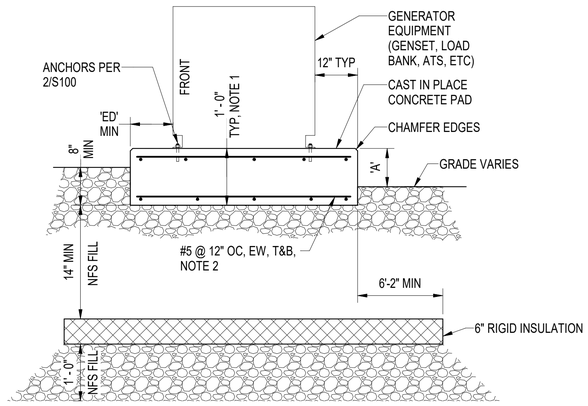
MINIMUM CONCRETE COVER SHALL BE 3-INCHES FOR PROVIDED FOR REINFORCEMENT CAST AGAINST EARTH.

ALL CONCRETE REINFORCING SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 315, ACI 318, CRSI MSP-1 AND ACI SP-66. TYPICAL REINFORCING BARS SHALL BE ASTM A615, GRADE 60. LAP SPLICES SHALL BE CLASS B LAPS PER ACI (63 X BAR DIAMETER). LAP SPLICES MAY ALSO ACCOMPLISHED USING MECHANICAL DEVICES THAT DEVELOP 125% OF THE STRENGTH OF THE REBAR.

POST-INSTALLED ANCHORS
INSTALLATION SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS OF ICC-ES REPORT. ALL POST-INSTALLED ANCHORS SHALL HAVE A CURRENT ICC-ES REPORT AND BE AUTHORIZED FOR USE IN SEISMIC DESIGN CATEGORY D.

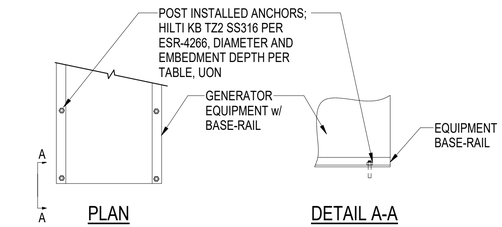
EXPANSION ANCHORS SHALL BE HILTI "KWIK BOLT TZ2" STAINLESS STEEL 316 (PER ESR-4266).

ADHESIVE ANCHORS SHALL BE HILTI RE500 V3 w/ STAINLESS STEEL 316 (PER ESR-3814).



NOTES:
1. 1'-2" AT GEN-1 ENCLOSURE
2. #6 @ 12" OC EW, T&B @ 1'-0" OC AT GEN-1 ENCLOSURE

1 S100 EXTERIOR CONC PAD
3/4" = 1'-0"



UNIT ID	DESCRIPTION	MAX WET WEIGHT (LBS)	NUMBER AND SIZE OF ANCHORS	MIN PAD ELEV ABV GRADE; 'A' DIM	FRONT EDGE DISTANCE; 'ED' DIM
GEN-1	CUMMINS 900	15,656 LBS	(NOTE 1)	NA	NA
GEN-1 ENCLOSURE	PACIFIC ENCLOSURE	61,713 LBS	(18) 1" DIA X 8" EMBED (NOTE 2)	4"	12"
LB-1	SIMPLEX LOAD BANK	2,700 LBS	(4) 3/8" DIA X 2 1/2" EMBED, SP	4"	6"
ATS-1	SWITCHBOARDS	1,900 LBS	(4) 3/8" DIA X 2 1/2" EMBED	4"	6"

NOTES:
1. GENERATOR MOUNTED TO ENCLOSURE PER MFR RECOMMENDATIONS
2. PROVIDE ADH ANCHOR w/ GR 36 STAINLESS STEEL THREADED ROD

2 S100 MOUNTING ANCHORS
3/4" = 1'-0"

@	At	BLKG	Blocking	EA	Each	INT	Interior	OC	On-Center	SCH	Schedule	TRANS	Transverse
AB	Anchor Bolts	BM	Beam	EQ	Equal. Earthquake	LAG	Lag Screw	OH	Overhead	SIM	Similar	TYP	Typical
BLDG	Building	BOT	Bottom	EW	Each Way	LOC	Location	OPNG	Opening	SQ	Square	UON	Unless Otherwise Noted
ARCH	Architect	BTWN	Between	EXP	Expansion	LONG	Longitudinal	PL	Plate	STL	Steel	VERT	Vertical
AR	Anchor Rod	CL	Center-Line	FDN	Foundation	MAX	Maximum	PLS	Places	T&B	Top and Bottom	W/	With
ALT	Alternate	CLR	Clear	FF	Finished Floor	MEZZ	Mezzanine	PSF	Pounds-per-square-foot	T&G	Tongue and Groove	W/O	Without
AHJ	Authority Having Jurisdiction	COL	Column	GALV	Galvanized	MIN	Minimum	PSI	Pounds-per-square-inch	T.O.	Top of	W	Wide-Flange, Wide
AFF	Above Finish Floor	CONC	Concrete	GLB	Glue-Laminated Beam	MFR	Manufacturer	REQ'D	Required	T.O.B.	Top of Beam	W/C	Water / Cement Ratio
ADH	Adhesive	CONT	Continuous, Continue	HORZ	Horizontal	(N)	New	RO	Rough Opening	T.O.S.	Top of Steel	W.P.	Work Point
ADD'L	Additional	DBN	Diaphragm Boundary Nailing	HSS	Hollow Structural Steel	NFS	Non Frost Susceptible	SBN	Shearwall Boundary Nailing	T.O.W.	Top of Wall	WWR	Welded Wire Reinforcement
		(E)	Existing	IBC	International Building Code								

STATE OF ALASKA
49 TH
GARRETT BACINSKI
No. CE 14771 8
REGISTERED PROFESSIONAL ENGINEER
04/14/2026

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Corporate License #AECC598

SOUTHCENTRAL FOUNDATION
VNPCC NEW GENERATOR
PERMIT DOCUMENTS
1001 S. GOOSE BAY ROAD, WASILLA, AK

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	402023.023
DATE	04/14/2026
DRAWN	GB
REVIEWED	GB

SHEET NAME
VNPCC GENERATOR ANCHORAGE

SHEET NO.
S100h

HALF-SCALE AT 11X17

PROJECT PHASING SCHEDULE

THE FOLLOWING PHASING SCHEDULE IS GENERAL IN NATURE AND REPRESENTS ONE POSSIBLE SEQUENCE OF WORK. THE CONTRACTOR SHALL SUBMIT THEIR OWN INSTALLATION AND CUTOVER WORK PLAN FOR REVIEW AND APPROVAL. THE INTENT IS TO MINIMIZE INTERRUPTIONS TO THE VALLEY PRIMARY CARE CENTER (VNPCC) OPERATIONS BY PROVIDING TEMPORARY POWER CONNECTIONS AS NEEDED.

1. AT A MINIMUM, THE WORK PLAN SHALL INCLUDE THE FOLLOWING INFORMATION FOR THE TEMPORARY SYSTEMS TO BE INSTALLED:
   a. DATE AND TIME OF INITIAL CUTOVER.
   b. ALTERNATE POWER SUPPLY TO BE USED DURING EQUIPMENT INSTALLATION.
   c. OPERATING PROCEDURES FOR THE CONTRACTOR AND VNPCC, IN CASE OF A POWER OUTAGE DURING THE INSTALLATION PROCESS.
   d. DATE AND TIME OF CUTOVER TO NEW EQUIPMENT.
2. NO CUTOVERS WILL BE ALLOWED WITHOUT AN APPROVED WORK PLAN.
3. MAINTAIN EXISTING EQUIPMENT AND SYSTEMS IN SERVICE UNTIL NEW EQUIPMENT AND SYSTEMS ARE INSTALLED AND READY FOR SWITCHOVER.

SHUTDOWNS: THE VNPCC SHALL REMAIN FULLY OPERATIONAL EXCEPT FOR POWER SHUTDOWNS. ALL SHUTDOWNS SHALL BE APPROVED BY VNPCC. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS NOTICE PRIOR TO INITIAL SHUTDOWN FOR SERVICE ENTRANCE EQUIPMENT, AUTOMATIC TRANSFER SWITCH, AND GENERATOR REPLACEMENT, THEN PROVIDE A MINIMUM OF 24 HOURS NOTICE PRIOR TO SHUTDOWN AND RESTORATION OF PERMANENT UTILITY AND STANDBY POWER TO THE NEW SERVICE EQUIPMENT AND AUTOMATIC TRANSFER SWITCH.

MAXIMUM OUTAGE DURATION: ALL OUTAGES FOR INITIAL AND FINAL CUTOVERS SHALL BE LIMITED TO 8 HOURS.

A. PRE-CONSTRUCTION: FIELD VERIFY ALL EXISTING CONDITIONS, NEW/EXISTING CONDUIT PATHWAYS. PREPARE SUBMITTALS AND SHOP DRAWINGS. PROCURE SERVICE EQUIPMENT EUSERC CT/METER, AND SERVICE RATED DISCONNECTING MEANS. NO OUTAGES ARE ALLOWED UNTIL NEW EQUIPMENT IS ON-SITE AND READY FOR INSTALLATION.

B. THE FOLLOWING IS A GENERAL SEQUENCE OF WORK:

1. INSTALL A TEMPORARY MOBILE PACKAGED DIESEL-FIRED GENERATOR (STANDBY) AND ASSOCIATED POWER FEEDER AND CONTROL CIRCUITS TO THE EXISTING ATS-1 AND ATS-2 (LOCATED INSIDE THE FIRST FLOOR ELECTRICAL ROOM) PRIOR TO REMOVAL FEEDERS BETWEEN THE ATS-1 AND EXISTING GENERATOR.
2. DISCONNECT THE LINE SIDE FEEDER AND CONTROL CIRCUIT BETWEEN THE EXISTING GENERATOR AND ATS-1 ATS-2.
3. PROVIDE TEMPORARY STANDBY POWER CONNECTION TO LOADS SERVED BY TWO EXISTING ATS-1 AND ATS-2.
4. REMOVE 80KW CUMMINS GENERATOR, ASSOCIATED POWER FEEDERS AND CONTROL CIRCUITS, AND CONCRETE HOUSEKEEPING PAD.
5. INSTALL NEW WEATHERPROOF WALK-IN GENERATOR MODULE, ASSOCIATED POWER FEEDERS AND CONTROL/SIGNAL CIRCUITS UP TO THE LINE SIDE OF THE NEW ATS LOCATION.
6. INSTALL NEW NEMA 3R LOAD BANK AND ASSOCIATED POWER FEEDER AND CONTROL CIRCUIT UP TO NEW GENERATOR MODULE.
7. INSTALL A NEW IN-GRADE JUNCTION BOX NEAR THE EXISTING PAD-MOUNT CT/METERING ENCLOSURE TO INTERCEPT EXISTING SERVICE LATERALS.
8. INSTALL NEW NEMA 3R PAD-MOUNT CT/METERING, FIRE PUMP TAP SECTION, AND SERVICE ENTRANCE EQUIPMENT ADJACENT TO THE EXISTING MEA UTILITY PAD-MOUNT TRANSFORMER.
9. INSTALL A NEW SERVICE FEEDERS BETWEEN NEW CT/METER AND IN-GRADE JUNCTION BOX.
10. INSTALL A NEW IN-GRADE JUNCTION BOX NEAR THE EXISTING PAD-MOUNT CT/METER ENCLOSURE TO INTERCEPT THE LINE SIDE FEEDERS TO THE EXISTING MDP LOCATED INSIDE THE FIRST FLOOR ELECTRICAL ROOM.
11. INSTALL NEW NEMA 3R PAD-MOUNT ATS ADJACENT TO THE NEW SERVICE ENTRANCE EQUIPMENT.
12. INSTALL NEW LOAD SIDE FEEDERS OF THE NEW ATS TO THE IN-GRADE JUNCTION BOX.
13. COORDINATE WITH UTILITY FOR A POWER OUTAGE PRIOR TO DISCONNECT THE SERVICE LATERALS THAT ARE CURRENTLY CONNECT TO THE EXISTING NEMA 3R CT/METER ENCLOSURE.
14. DISCONNECT THE SERVICE LATERALS TO THE UTILITY TRANSFORMER SECONDARY SIDE AND LINE SIDE OF THE MAIN SERVICE DISCONNECT OF THE MDP.
15. REMOVE THE EXISTING NEMA 3R CT/METER ENCLOSURE AND CONCRETE HOUSEKEEPING PAD.
16. PERFORM INSULATION RESISTANCE TEST ON EACH CONDUCTOR PRIOR TO RECONNECTING EXISTING SERVICE LATERALS TO THE LINE SIDE OF THE NEW CT/METER ENCLOSURE.
17. PERFORM INSULATION RESISTANCE TEST ON EACH CONDUCTOR PRIOR TO RECONNECT EXISTING LINE FEEDERS TO LOAD SIDE OF THE NEW ATS.
18. PERFORM CUTOVER TO UTILITY POWER.
19. PERFORM INITIAL STARTUP TESTING ON NEW GENERATOR AND ATS.
20. PERFORM FINAL TESTING AND COMMISSIONING ON NEW GENERATOR AND ATS.

ELECTRICAL LOAD ANALYSIS

PROJECT: **VALLEY PRIMARY CARE CENTER (VNPCC) GENERATOR REPLACEMENT**
WASILA, ALASKA

EXISTING FACILITY SERVICE IS 2500AF/250AT, 277/480V, 3-PHASE, 4-WIRE
EXISTING FEEDER: (7) 3.5"C, 4#500 kcmil, 1#3/0 GND CU
EXISTING DEMAND LOAD (NEC 220.87)

EXISTING PEAK DEMAND LOAD (MEA.- 8/8/2023)		299.00 kW	
PER NEC 220.87 (125%)		373.75 kW	
POWER FACTOR OF 0.85			**439,706** VA
REMOVED LOADS			
GENERATOR BATTERY CHARGER	1,200 VA		
GENERATOR HEATERS	1,850 VA		
TOTAL EXISTING LOAD REMOVED	-3,050 VA		**(3,050) VA**
ADDED LOADS			
WEATHERPROOF WALK-IN GENERATOR MODULE			
LIGHTING	120 VA		
FACP	200 VA		
RECEPTACLE	540 VA		
MOTORIZED CONTROL CIRCUIT	500 VA		
2-ELECTRIC HEATER EACH @ 4KW, 208V,	8,000 VA		
BATTERY CHARGER	1,200 VA		
TOTAL GENERATOR MODULE LOAD	10,560 VA		**10,560 VA**
MRI EQUIPMENT - 150 KW, 480V, 3-PHASE (FUTURE)			**150,000 VA**
CT SCAN - 125 KW, 480V, 3-PHASE (FUTURE)			**125,000 VA**
CHILLER - 75A, 480V, 3-PHASE (FUTURE)			**62,280 VA**
TOTAL CALCULATED DEMAND LOAD IN VOLT-AMP:			**784,496 VA**
10% SPARE CAPACITY FOR FUTURE EXPANSION			**78,450 VA**
NET CALCULATED DEMAND LOAD IN VA:			**862,945 VA**
NET CALCULATED DEMAND LOAD IN VA:			**1038 AMPS**

GENERATOR SIZING:

APPLY 30% INCREASE TO SIZE THE GENERATOR TO ACCOMMODATE THE MRI UNIT: 1.30*(862,945VA*0.8PF) =897,462 W OR 897KW. A 900 KW 277/480V, 3-PHASE, 4-WIRE DIESEL-FIRED GENERATOR (STANDBY) IS RECOMMENDED.

SHORT CIRCUIT CALCULATION SUMMARY

FAULT ANALYSIS WAS PERFORMED USING POINT-TO-POINT METHOD.
THE FOLLOWING ARE THE UTILITY CONTRIBUTION AND EQUIPMENT ASSUMPTIONS

AVAILABLE FAULT CURRENT AT UTILITY XFMR:	INFINITE BUS	
UTILITY TRANSFORMER SIZE:	1000	KVA
UTILITY TRANSFORMER IMPEDENCE:	5.00	%
SERVICE LATERAL # PARALLEL RUNS:	6	EA.
SERVICE LATERAL SIZE:	#500	KCMIL Cu
SERVICE LATERAL LENGTH:	40	FEET
SERVICE LATERAL CONDUIT TYPE:	PVC	
TOTAL MOTOR CONTRIBUTIONS:	0	AMPS

AVAILABLE FAULT CURRENT AT SERVICE DISCONNECT: 23547 A RMS (SYM)

NOTE: VERIFY THE ABOVE TRANSFORMER RATINGS AND SERVICE LATERAL SIZE/TYPE WITH LOCAL UTILITY PRIOR TO ORDERING EQUIPMENT. ADJUST EQUIPMENT SHORT CIRCUIT RATINGS ACCORDINGLY BASED ON ACTUAL EQUIPMENT INSTALLED BY UTILITY. INSTALL LABEL ON SERVICE EQUIPMENT INDICATING DATE AND FINAL CALCULATION RESULTS PER NEC 110.24.

LEGEND

	CONDUIT, CONCEALED
#10	NUMBER AND SIZE OF WIRES (NO MARKS = 3 #12)
A-2	HOMERUN TO PANEL (PANEL AND CIRCUIT No.)
	EXISTING PANEL
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
	PADMOUNT TRANSFORMER
	IN GRADE EXTERIOR JUNCTION BOX
	DISCONNECT SWITCH
	DISCONNECT SWITCH (FUSED)
100/3	CIRCUIT BREAKER (No. INDICATED BREAKER SIZE AND POLE)
	DRY-TYPE TRANSFORMER
	AUTOMATIC TRANSFER SWITCH
	DISCONNECT SWITCH
	DISCONNECT SWITCH (FUSED)
	GROUNDING
M	METER
ST	SHUNT TRIP
GFP	GROUND FAULT PROTECTION
ARMS	ARC-FAULT REDUCTION MAINTENANCE SWITCH
SPD	SURGE PROTECTION DEVICE
	DISCONNECT SWITCH TO BE REMOVED (DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED TYPICAL)
400AF 300AT	CIRCUIT BREAKER (1ST NUMBER IS AMP FRAME, 2ND NUMBER IS AMP TRIP)
1	FEEDER TAG (No. INDICATES CIRCUIT)
1	NOTE TAG (No. INDICATES NOTE)
A	AMPERE
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CT	CURRENT TRANSFORMER
E	DENOTES EXISTING ITEM
GRSC	GALVANIZED RIGID STEEL CONDUIT
kVA	KILO VOLT AMP
kW	KILO-WATT
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
RMC	RIGID METAL CONDUIT
SE	SERVICE ENTRANCE
UG/C	UNDERGROUND COMMUNICATION
UG/E	UNDERGROUND ELECTRIC
UT	UTILITY
V	VOLT

STATE OF ALASKA
STEVEN BASSLER
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3/5/26
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Corporate No.: AECC542

SOUTHCENTRAL FOUNDATION
VNPCC NEW GENERATOR
PERMIT DOCUMENTS
1001 S. GOOSE BAY ROAD, WASILLA, AK 99654

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	M2209.10
DATE	03/05/2026
DRAWN	XPT
REVIEWED	XPT, DB, RW, SLB

SHEET NAME
LEGEND, PROJECT PHASING SCHEDULE, AND CALCULATIONS

SHEET NO.
E001

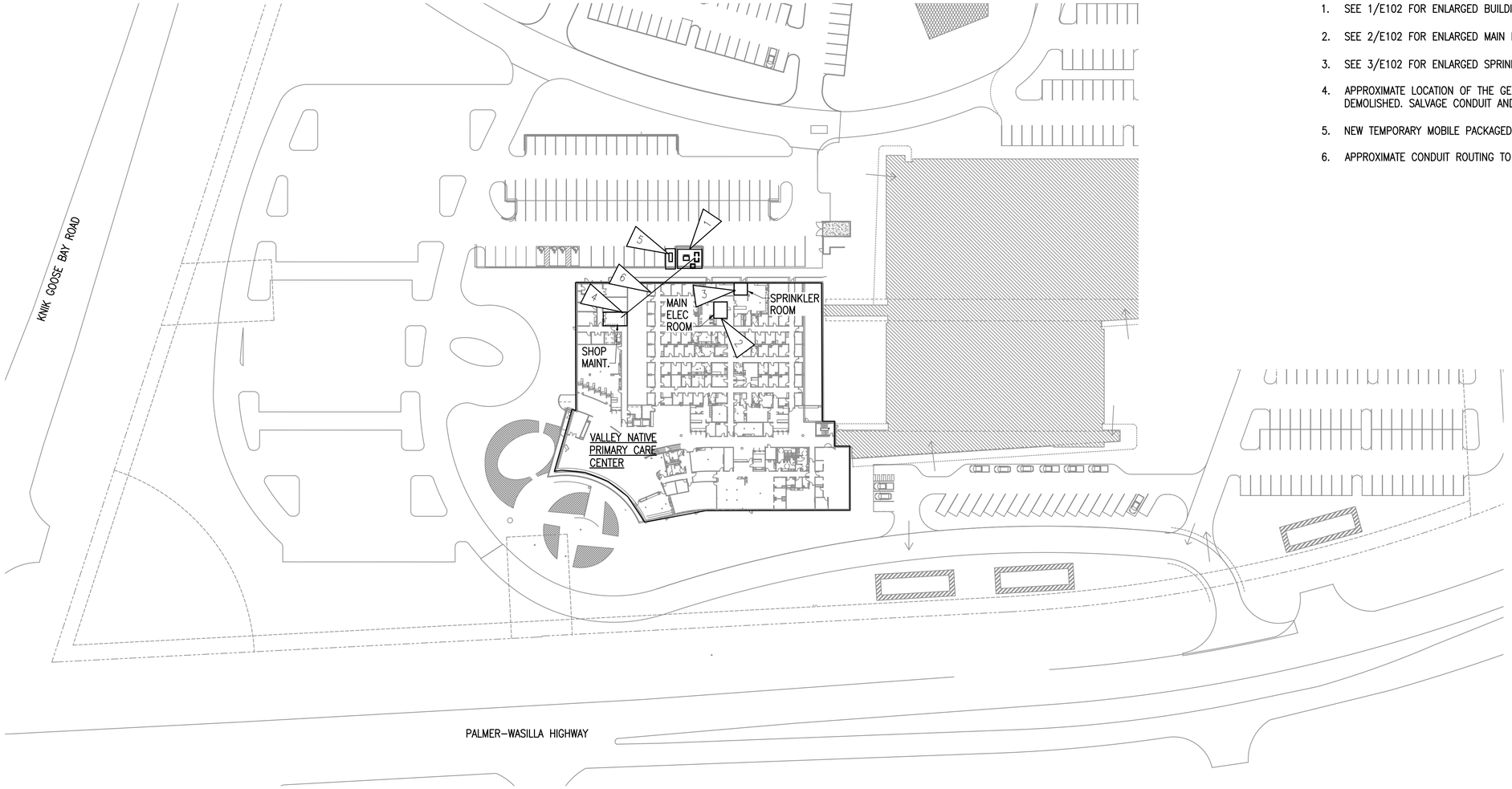
HALF-SCALE AT 11X17

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL FOR A UTILITY LOCATE A MINIMUM OF TWO WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION. CONTRACTOR SHALL REPAIR AT NO COST TO THE OWNER ANY INTERRUPTED SERVICE OR UTILITIES

ALASKA DIGLINE, INC.
PO BOX 773005
EAGLE RIVER, AK 99577

STATEWIDE LOCATES:	1-800-478-3121
ANCHORAGE AREA:	1-907-278-3121
FAX-A-LOCATE:	1-907-278-0696
E-TICKET:	www.811ak.com



1 ELECTRICAL DEMOLITION SITE PLAN
1" = 60'-0"

GENERAL NOTES

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS DATED 11/07/2012 AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. SEE E001 FOR PROJECT PHASING SCHEDULE.

SHEET NOTES

1. SEE 1/E102 FOR ENLARGED BUILDING SERVICE PLAN.
2. SEE 2/E102 FOR ENLARGED MAIN ELECTRICAL ROOM PLAN.
3. SEE 3/E102 FOR ENLARGED SPRINKLER RISER ROOM PLAN.
4. APPROXIMATE LOCATION OF THE GENERATOR ANNUNCIATOR PANEL TO BE DEMOLISHED. SALVAGE CONDUIT AND CONDUCTORS FOR REUSE.
5. NEW TEMPORARY MOBILE PACKAGED GENERATOR. SEE 1/E102.
6. APPROXIMATE CONDUIT ROUTING TO GENERATOR CONTROL PANEL.

STATE OF ALASKA
STEVEN BASSLER
EE-151384
3/5/26
REGISTERED PROFESSIONAL ENGINEER

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Corporate No.: AECC542

SOUTHCENTRAL FOUNDATION
VNPCC NEW GENERATOR
PERMIT DOCUMENTS
1001 S. GOOSE BAY ROAD, WASILLA, AK 99654

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	M2209.10
DATE	03/05/2026
DRAWN	LKA, XPT
REVIEWED	XPT, DB, RW, SLB

SHEET NAME
ELECTRICAL DEMOLITION SITE PLAN

SHEET NO.
E101

HALF-SCALE AT 11X17

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS DATED 11/07/2012 AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

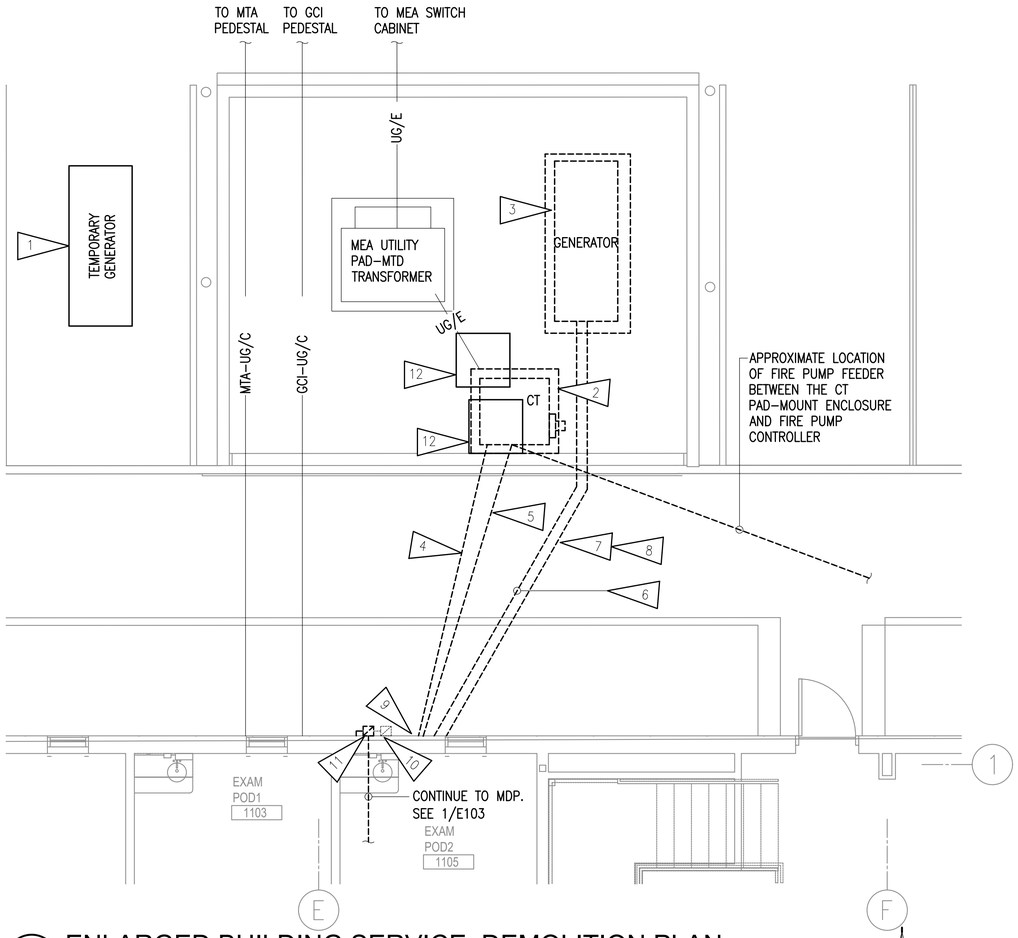
B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

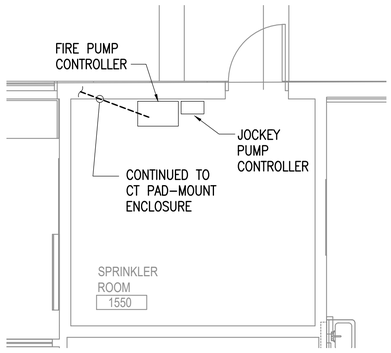
D. SEE 1/E103 FOR DETAILED NOTES REGARDING DEMOLITION OF EQUIPMENT, CONDUIT AND WIRING SHOWN ON THIS SHEET.

SHEET NOTES: (X)

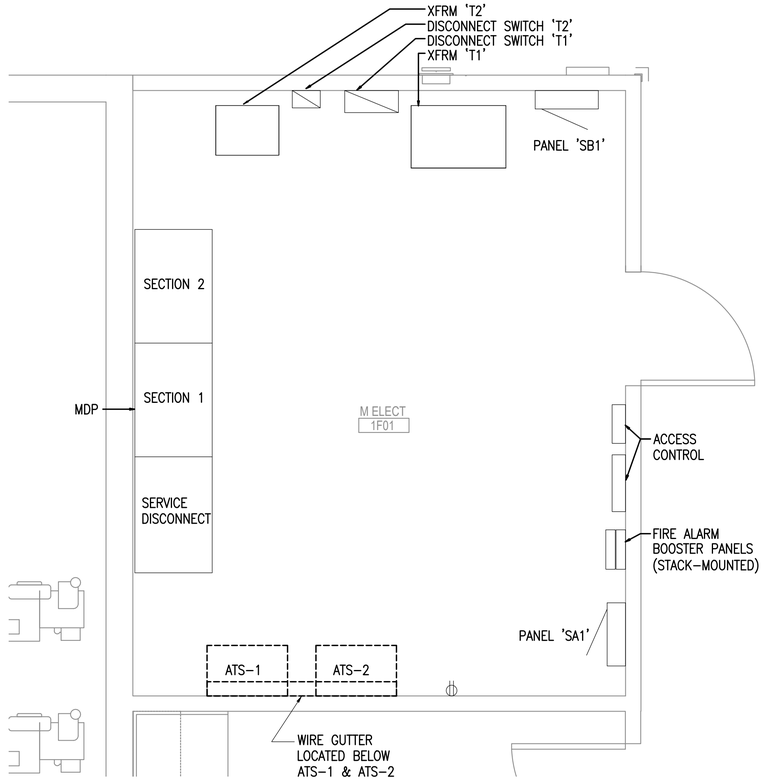
1. APPROXIMATE LOCATION OF A NEW TEMPORARY MOBILE GENERATOR. SEE 1/E103.
2. DEMOLISH CT AND METERING PAD-MOUNT ENCLOSURE. SEE 1/E103.
3. DEMOLISH OUTDOOR PACKAGED GENERATOR WITH SUB-BASED FUEL TANK. SEE 1/E103.
4. APPROXIMATE LOCATION OF EXISTING FIRE PUMP FEEDER BETWEEN THE CT PAD-MOUNT ENCLOSURE AND FIRE PUMP CONTROLLER.
5. APPROXIMATE LOCATION OF EXISTING FEEDERS BETWEEN THE CT PAD-MOUNT ENCLOSURE AND MAIN DISTRIBUTION PANEL.
6. APPROXIMATE LOCATION OF FEEDER BETWEEN THE EXISTING GENERATOR AND ATS-1 AND ATS-2.
7. EXISTING CONDUIT AND WIRE BETWEEN THE GENERATOR ACCESSORIES AND PANEL 'SA1' FOR POWER CONNECTIONS.
8. EXISTING CONDUIT AND WIRE BETWEEN THE GENERATOR CONTROL PANEL AND AUTOMATIC TRANSFER SWITCHES AND THE REMOTE GENERATOR ANNUNCIATOR PANEL FOR CONTROL AND SIGNAL CONNECTIONS.
9. APPROXIMATE LOCATION OF EXISTING (16) 4" CONDUIT SLEEVES 2'-0" BELOW GRADE ON NORTH STRUCTURAL WALL ALONG GRID LINE 1 AND E3.
10. EXISTING GENERATOR SHUNT TRIP DISCONNECT SWITCH TO REMAIN.
11. DEMOLISH UTILITY SHUNT TRIP DISCONNECT SWITCH.
12. PROVIDE AND LOCATE NEW POLYMER CONCRETE STACKABLE IN-GRADE JUNCTION BOX TO INTERCEPT EXISTING UTILITY SERVICE LATERALS AND MAIN FEEDERS AFTER THE CT/METERING PAD-MOUNT ENCLOSURE ARE DEMOLISHED. SEE 2/E301.



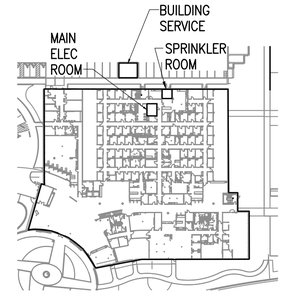
1 ENLARGED BUILDING SERVICE DEMOLITION PLAN
1/4" = 1'-0"



ENLARGED SPRINKLER ROOM POWER DEMOLITION PLAN
3
1/4" = 1'-0"



2 ENLARGED ELEC ROOM POWER DEMOLITION PLAN
1/2" = 1'-0"



KEY PLAN
1" = 100'

STATE OF ALASKA
STEVEN BASSLER
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3/5/26
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1001 S. GOOSE BAY ROAD, WASILLA, AK 99654

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	M2209.10
DATE	03/05/2026
DRAWN	LKA, XPT
REVIEWED	XPT, DB, RW, SLB

SHEET NAME
ENLARGED DEMOLITION PLANS

SHEET NO.
E102

HALF-SCALE AT 11X17

FEEDER SCHEDULE

FEEDER NUMBER	BREAKER SIZE	CONDUIT AND WIRES SIZE
◇U	–	UNDERGROUND PRIMARY CONNECTION BY MEA
◇5E	–	UNDERGROUND SERVICE LATERALS BY MEA
◇1A	20A	1/2"EMT, 2#12, 1#12 GND
◇4B	45,50	1.25"EMT, 3#6, 1#10 GND
◇5B	60	1.25"EMT, 3#4, 1#10 GND
◇7C	80–110	1.5"EMT, 3#2, 1#8GND
◇9B	150	2"RMC, 4#1/0, 1#6 GND
◇9C	150	2"EMT, 4#1/0, 1#6 GND
◇12B	225	2"EMT, 4#4/0, 1#2 GND
◇16B	2500	(7) RUNS EACH 3.5"RMC, 4#500 kcmil 1#3/0 GND

GENERAL NOTES:

A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS–BUILT DRAWINGS AND A NON–DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE–IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.

B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

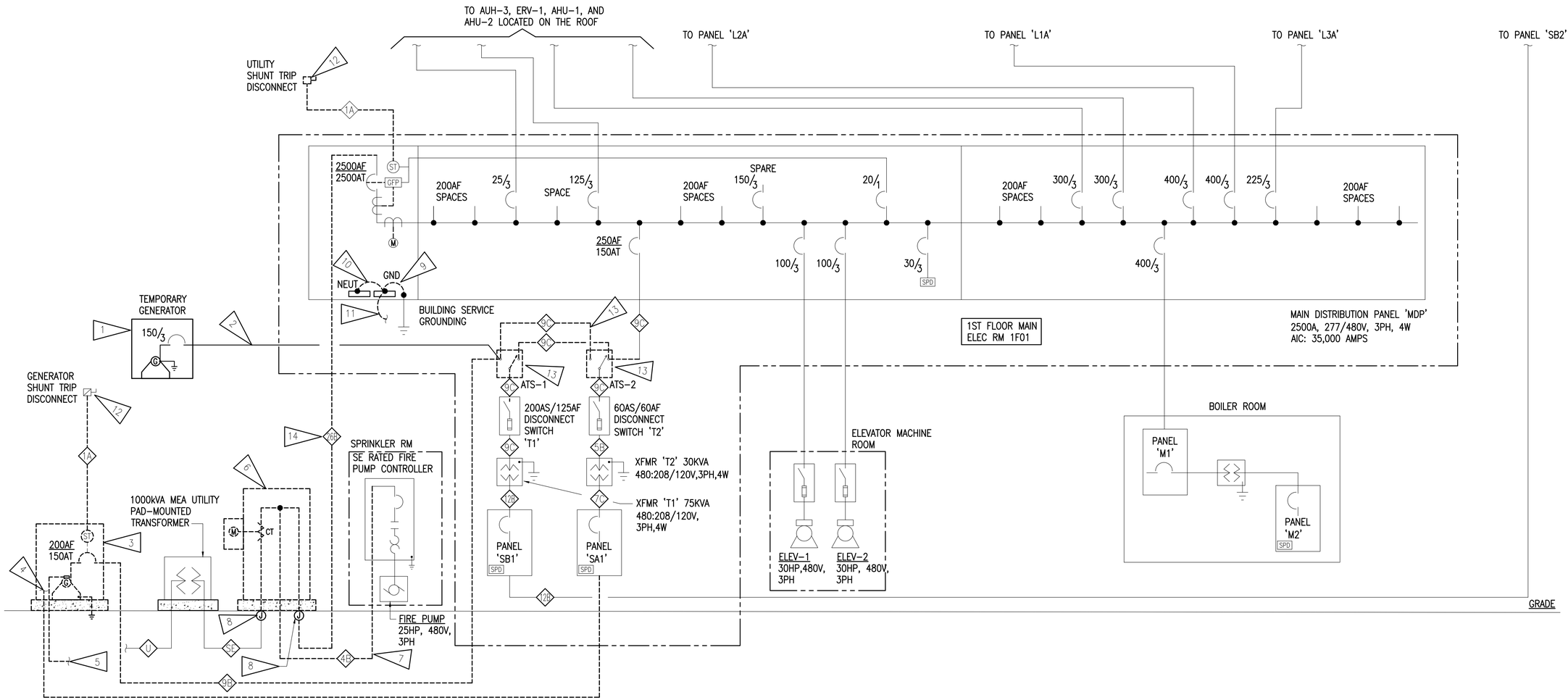
C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

D. SEE E001 FOR PROJECT PHASING SCHEDULE.

E. SALVAGE CONDUIT FOR REUSE TO THE FULLEST EXTENT PRACTICAL.

SHEET NOTES: ◁X

1. CONTRACTOR TO PROVIDE A TEMPORARY 80KW/100KVA, 277/480V, 3–PHASE, 4–WIRE DIESEL–FIRED MOBILE PACKAGED GENERATOR TO PROVIDE STANDBY POWER FOR THE EXISTING DENTAL EQUIPMENT, LIGHTING, GENERATOR ACCESSORIES, REEFERS, AND DATA RACK EQUIPMENT VIA TWO AUTOMATIC TRANSFER SWITCHES. THE AUTOMATIC TRANSFER SWITCHES ARE CURRENTLY LOCATED IN THE FIRST FLOOR MAIN ELECTRICAL ROOM 1F01. SEE 1/E102. DISABLE AND REMOVE TEMPORARY GENERATOR AND ASSOCIATED FEEDERS AFTER AFTER PERMANENT GENERATOR SERVICE INSTALLED.
2. CONTRACTOR TO PROVIDE 2"C, 4#1/0, 1#6 GND BETWEEN THE TEMPORARY MOBILE PACKAGED GENERATOR LINE CIRCUIT BREAKER AND ATS–2.
3. DEMOLISH 80KW/100KVA, 277/480V, 3–PHASE, 4–WIRE DISEL–FIRED GENERATOR (STANDBY).
4. DEMOLISH BRANCH CIRCUIT WIRING BETWEEN THE GENERATOR AND PANEL 'SA1' FOR ENGINE BLOCK HEATER, BATTERY HEATER, AND BATTERY CHARGER.
5. DEMOLISH CONTROL WIRES BETWEEN THE GENERATOR CONTROL PANEL AND TWO AUTOMATIC TRANSFER SWITCHES AND CONTROL/SIGNAL WIRES BETWEEN THE GENERATOR CONTROL PANEL AND THE REMOTE GENERATOR ANNUNCIATOR PANEL.
6. DEMOLISH CT AND METERING PAD–MOUNT ENCLOSURE.
7. DEMOLISH FIRE PUMP FEEDER.
8. PROVIDE A PROPERLY SIZED 2'–10"W x 2'–10"L x 2'D CONCRETE IN–GRADE JUNCTION BOX OPEN BOTTOM WITH CAST IRON TRAFFIC RATED "ELECTRIC" LID FOR TERMINATING EXISTING UTILITY SERVICE LATERALS OR MAIN FEEDERS TO NEW LOCATION. PRE–CAST CONTRETE COMPANY TYPE 2 JUNCTION BOX OR EQUAL. LOCATE JUNCTION BOX TO INTERCEPT EXISTING UTILITY SERVICE LATERALS AND MAIN FEEDERS AFTER THE EXISTING CT AND METERING PAD–MOUNT ENCLOSURE IS REMOVED.
9. DISCONNECT AND REMOVE GROUNDING ELECTRODE CONDUCTORS BETWEEN THE EQUIPMENT GROUNDING BUS AND GROUNDING ELECTRODES. ABANDON GROUNDING ELECTRODES IN PLACE.
10. DISCONNECT AND REMOVE SYSTEM BONDING JUMPER BETWEEN THE EQUIPMENT GROUNDING AND NEUTRAL BUSES.
11. DISCONNECT AND REMOVE GROUNDING ELECTRODE CONDUCTORS INSTALLED FROM THE EQUIPMENT GROUNDING BUS TO BUILDING STEEL, TO IT SYSTEM, TO CONCRETE–ENCASED ELECTRODE, AND TO WATER SERVICE PIPE. SEE E203 FOR NEW WORK.
12. GENERATOR AND UTILITY SHUNT TRIP DISCONNECT SWITCH TO REMAIN. SALVAGE CONDUIT AND WIRES TO THE EXTENT POSSIBLE FOR RE–USE.
13. DEMOLISH ATS–1 AND ATS–2, WIREGUTTER, AND ASSOCIATED LINE SIDE AND LOAD SIDE FEEDERS AFTER PERMANENT GENERATOR SERVICE INSTALLED.
14. DEMOLISH CONDUCTORS NOTED. SALVAGE CONDUITS TO FURTHEST EXTENT PRACTICAL.



1 PARTIAL POWER ONE-LINE DIAGRAM - DEMOLITION PLAN
NOT TO SCALE

STATE OF ALASKA
STEVEN BASSLER
EE–151384
3/5/26
REGISTERED PROFESSIONAL ENGINEER

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SOUTHCENTRAL FOUNDATION
VNPCC NEW GENERATOR
PERMIT DOCUMENTS
1001 S. GOOSE BAY ROAD, WASILLA, AK 99654

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	M2209.10
DATE	03/05/2026
DRAWN	XPT
REVIEWED	XPT, DB, RW, SLB

SHEET NAME
POWER ONE-LINE DIAGRAM - DEMOLITION

SHEET NO.
E103

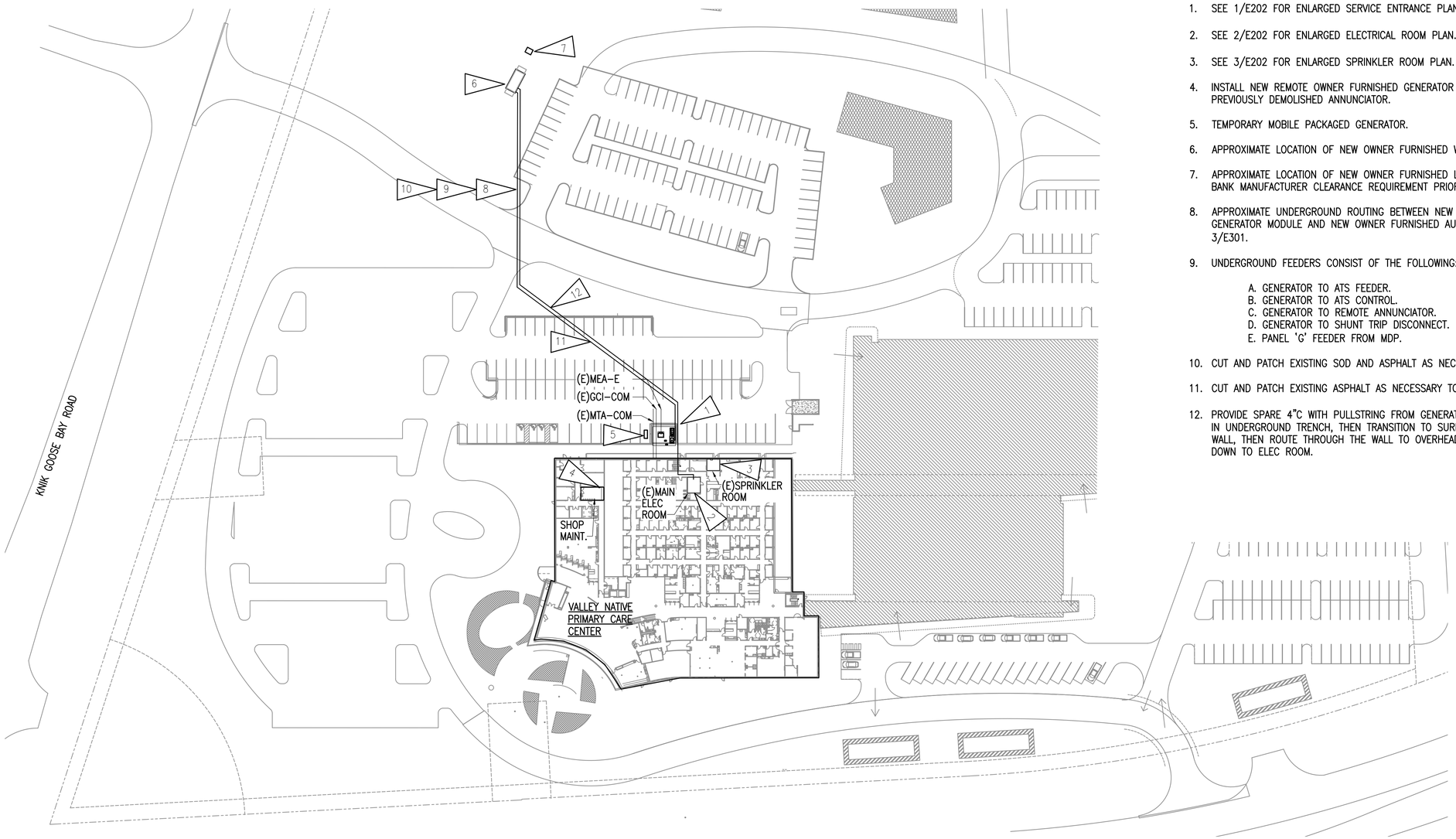
HALF-SCALE AT 11X17

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL FOR A UTILITY LOCATE A MINIMUM OF TWO WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION. CONTRACTOR SHALL REPAIR AT NO COST TO THE OWNER ANY INTERRUPTED SERVICE OR UTILITIES

ALASKA DIGLINE, INC.
PO BOX 773005
EAGLE RIVER, AK 99577

STATEWIDE LOCATES:	1-800-478-3121
ANCHORAGE AREA:	1-907-278-3121
FAX-A-LOCATE:	1-907-278-0696
E-TICKET:	www.811ak.com



1 ELECTRICAL REMODEL SITE PLAN
1" = 60'-0"

GENERAL NOTES

A. FIELD COORDINATE WITH MATANUSKA ELECTRIC ASSOCIATION, INC. FOR REGULATIONS AND REQUIREMENTS PRIOR TO ROUGH-IN.

B. SEE CIVIL FOR CONCRETE HOUSEKEEPING PAD FOR MOUNTING NEW CT/METER, SERVICE DISCONNECT, AND ATS. PAD SHALL EXTEND NOT MORE THAN 6" BEYOND THE FRONT OF THE ELECTRICAL EQUIPMENT.

C. SEE E001 FOR PROJECT PHASING SCHEDULE.

D. SEE 1/E203 FOR DETAILED NOTES REGARDING NEW EQUIPMENT, CONDUITS, AND WIRING SHOWN ON THIS SHEET.

E. ROUTE TO AVOID CONFLICTS WITH OTHER UNDERGROUND UTILITIES.

SHEET NOTES

1. SEE 1/E202 FOR ENLARGED SERVICE ENTRANCE PLAN.
2. SEE 2/E202 FOR ENLARGED ELECTRICAL ROOM PLAN.
3. SEE 3/E202 FOR ENLARGED SPRINKLER ROOM PLAN.
4. INSTALL NEW REMOTE OWNER FURNISHED GENERATOR ANNUNCIATOR IN LOCATION OF PREVIOUSLY DEMOLISHED ANNUNCIATOR.
5. TEMPORARY MOBILE PACKAGED GENERATOR.
6. APPROXIMATE LOCATION OF NEW OWNER FURNISHED WALK-IN GENERATOR MODULE.
7. APPROXIMATE LOCATION OF NEW OWNER FURNISHED LOAD BANK. COORDINATE WITH LOAD BANK MANUFACTURER CLEARANCE REQUIREMENT PRIOR TO INSTALLING.
8. APPROXIMATE UNDERGROUND ROUTING BETWEEN NEW OWNER FURNISHED WALK-IN GENERATOR MODULE AND NEW OWNER FURNISHED AUTOMATIC TRANSFER SWITCH. SEE 3/E301.
9. UNDERGROUND FEEDERS CONSIST OF THE FOLLOWING:
   A. GENERATOR TO ATS FEEDER.
   B. GENERATOR TO ATS CONTROL.
   C. GENERATOR TO REMOTE ANNUNCIATOR.
   D. GENERATOR TO SHUNT TRIP DISCONNECT.
   E. PANEL 'G' FEEDER FROM MDP.
10. CUT AND PATCH EXISTING SOD AND ASPHALT AS NECESSARY TO INSTALL NEW FEEDERS.
11. CUT AND PATCH EXISTING ASPHALT AS NECESSARY TO INSTALL NEW FEEDERS.
12. PROVIDE SPARE 4"C WITH PULLSTRING FROM GENERATOR MODULE TO ELEC ROOM. ROUTE IN UNDERGROUND TRENCH, THEN TRANSITION TO SURFACE MOUNT ON BUILDING EXTERIOR WALL, THEN ROUTE THROUGH THE WALL TO OVERHEAD CEILING SPACES, AND TRANSITION DOWN TO ELEC ROOM.

STATE OF ALASKA
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SOUTHCENTRAL FOUNDATION
VNPCC NEW GENERATOR
PERMIT DOCUMENTS
1001 S. GOOSE BAY ROAD, WASILLA, AK 99654

REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	M2209.10
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DRAWN	LKA, XPT
REVIEWED	XPT, DB, RW, SLB

SHEET NAME
ELECTRICAL REMODEL SITE PLAN

SHEET NO.
E201

HALF-SCALE AT 11X17

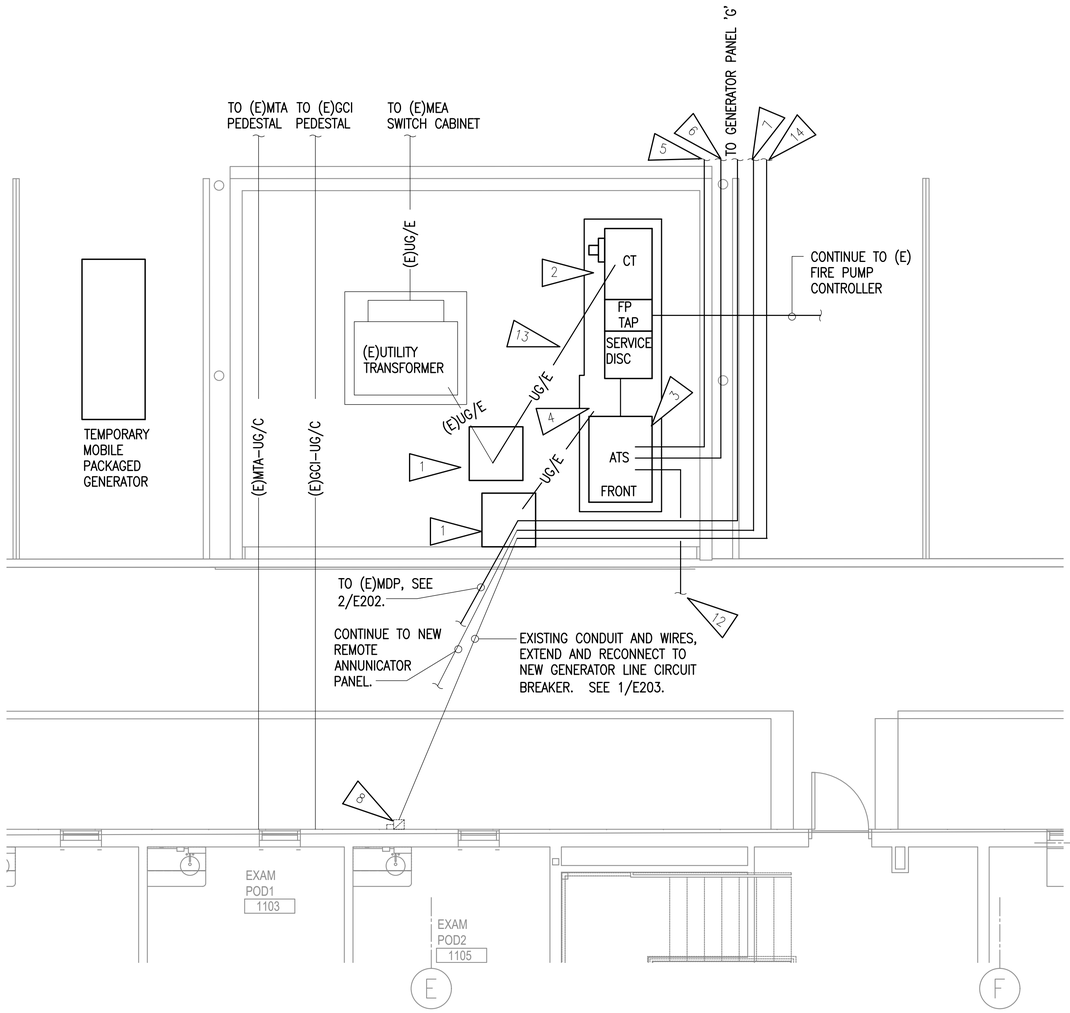
GENERAL NOTES:

A. SEE E001 FOR PROJECT PHASING SCHEDULE.

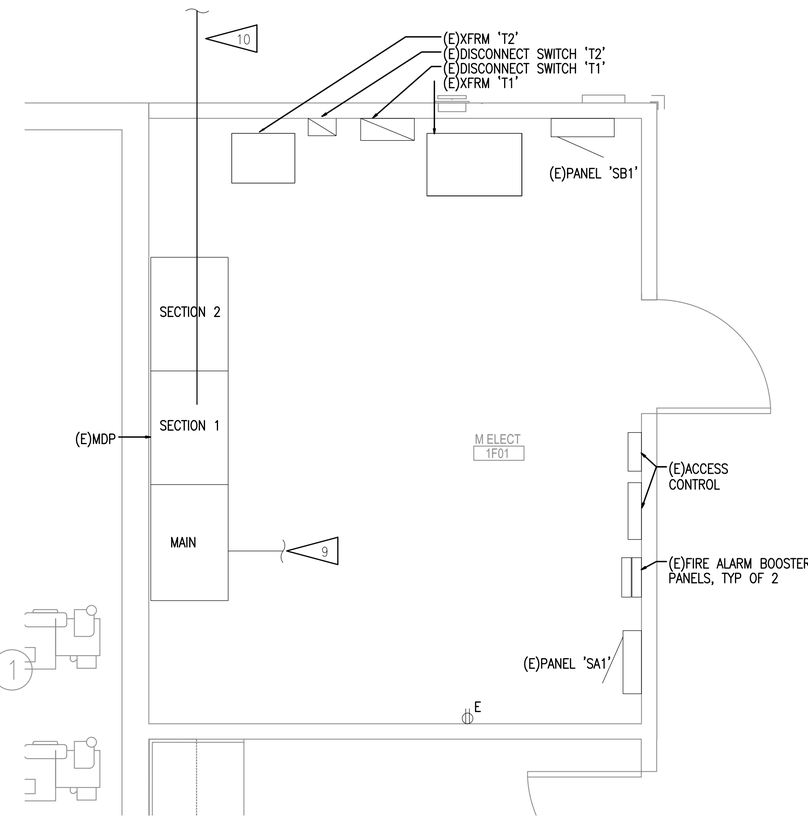
B. SEE 1/E203 FOR DETAIL NOTES REGARDING NEW EQUIPMENT, CONDUIT AND WIRING SHOWN ON THIS SHEET.

SHEET NOTES: X

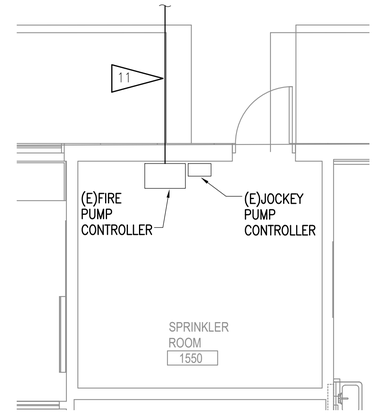
1. CONCRETE IN-GRADE TYPE 2 JUNCTION BOX FOR TERMINATING AND/OR EXTENDING EXISTING UTILITY SERVICE LATERALS OR MAIN FEEDERS. SEE 2/E301.
2. NEW SERVICE EQUIPMENT EUSERC RATED CT/METER AND SERVICE DISCONNECT SWITCH IN NEMA 3R PAD-MOUNTED ENCLOSURE.
3. NEW OWNER FURNISHED ATS NEMA 3R PAD-MOUNT ENCLOSURE.
4. MAINTAIN 4'-0" WORKING CLEARANCE AT THE LEFT SIDE OF THE ATS FOR SIDE ACCESS.
5. NEW FEEDERS BETWEEN THE OWNER FURNISHED ATS AND GENERATOR. SEE 1/E201 FOR CONTINUATION.
6. 1"C WITH WIRES FOR START SIGNAL PROVIDED BY GENERATOR MANUFACTURER. COORDINATE WITH GENERATOR MANUFACTURER FOR WIRE COUNT AND SIZE.
7. 1"C WITH CONTROL/SIGNAL WIRES FOR CONNECTION TO THE NEW GENERATOR ANNUNCIATOR PANEL.
8. EXISTING GENERATOR SHUNT TRIP.
9. EXISTING FEEDER CONDUITS AND WIRES, EXTEND AND RECONNECT TO NEW OWNER FURNISHED ATS.
10. NEW FEEDER TO THE NEW OWNER FURNISHED GENERATOR PANEL 'G' LOCATED IN THE WEATHERPROOF WALK-IN MODULE. ROUTE OVERHEAD THROUGH CEILING SPACES TO BUILDING EXTERIOR AND THEN TRANSITION TO UNDERGROUND TRENCH.
11. NEW FEEDER TO NEW TAP BOX FOR EXISTING FIRE PUMP CONNECTION. ROUTE THROUGH EXTERIOR WALL AND THEN TRANSITION TO UNDERGROUND TRENCH.
12. PROVIDE 1"C WITH SIGNAL WIRES TO EACH EXISTING ELEVATOR CONTROL PANEL. FOR BIDDING PURPOSES, ASSUME 245' AWAY FROM ATS.
13. NEW CONDUITS FOR UTILITY CONNECTION. SEE 1/E203.
14. 1"C WITH CONTROL WIRES FOR SHUNT TRIP CONNECTION.



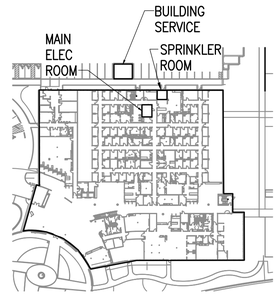
1 ENLARGED SERVICE ENTRANCE POWER REMODEL PLAN
1/4" = 1'-0"



2 ENLARGED ELEC ROOM POWER REMODEL PLAN
1/2" = 1'-0"



ENLARGED SPRINKLER ROOM POWER REMODEL PLAN
3
1/4" = 1'-0"



KEY PLAN
1" = 100'

STATE OF ALASKA
STEVEN BASSLER
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REVISION SCHEDULE

#	DESCRIPTION	DATE

JOB NO.	M2209.10
DATE	03/05/2026
DRAWN	LKA
REVIEWED	XPT, DB, RW, SLB

SHEET NAME
ENLARGED REMODEL PLANS

SHEET NO.
E202

HALF-SCALE AT 11X17

FEEDER SCHEDULE
(NEW CONDUCTORS SHALL BE ALUMINUM TYPE XHHW)

FEEDER NUMBER	BREAKER SIZE	CONDUIT AND WIRES SIZE
U	–	(E)UNDERGROUND PRIMARY CONNECTION BY MEA
SE	–	(E)UNDERGROUND SERVICE LATERALS BY MEA
5B	60	(E)1.25"EMT, 3#4 AWG, 1#10 AWG GND
7C	80–110	(E)1.5"EMT, 3#2 AWG, 1#8 AWG GND
9C	150	(E)2"EMT, 4#1/0 AWG, 1#6 AWG GND
12B	225	(E)2"EMT, 4#4/0 AWG, 1#4 AWG GND
15 JBB	2500	(E)(6) RUNS EACH 3.5"RMC, WITH NEW 4#500 KCMIL, 1#250 KCMIL GND
N1	2000	(7) RUNS EACH 4"C, 4#600 KCMIL 1#400 KCML GND
N2	1600	(6) RUNS EACH 4"C, 4#600 kcmil 1#350 kcmil GND
N3	70	1.25, 3#6, 1#10 GND
N4	1200	(4) RUNS EACH 4"C, 4#600 kcmil 1#250 KCMIL GND
N5	20	3/4"C, 2#8 AWG, 1#10 AWG GND
N6	20	1/2"C, 2#12 AWG, 1#12 AWG GND
N7	100	2 1/2"C, 4#250 kcmil 1#1 AWG GND
N8	150	2"C, 4#1/0 AWG, 1#6 AWG GND
N9	2000	(6) RUNS EACH 4"C, 4#500 KCMIL 1#250 KCML GND

GENERAL NOTES:

A. COORDINATE WITH MEA UTILITY AFTER THE NEW SERVICE EQUIPMENT IS INSTALLED AND READY TO MAKE SWITCHOVERS AND CONNECTIONS.

B. EXISTING ELECTRICAL EQUIPMENT AND ASSOCIATED FEEDERS ARE TO REMAIN UNLESS OTHERWISE NOTED.

C. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.

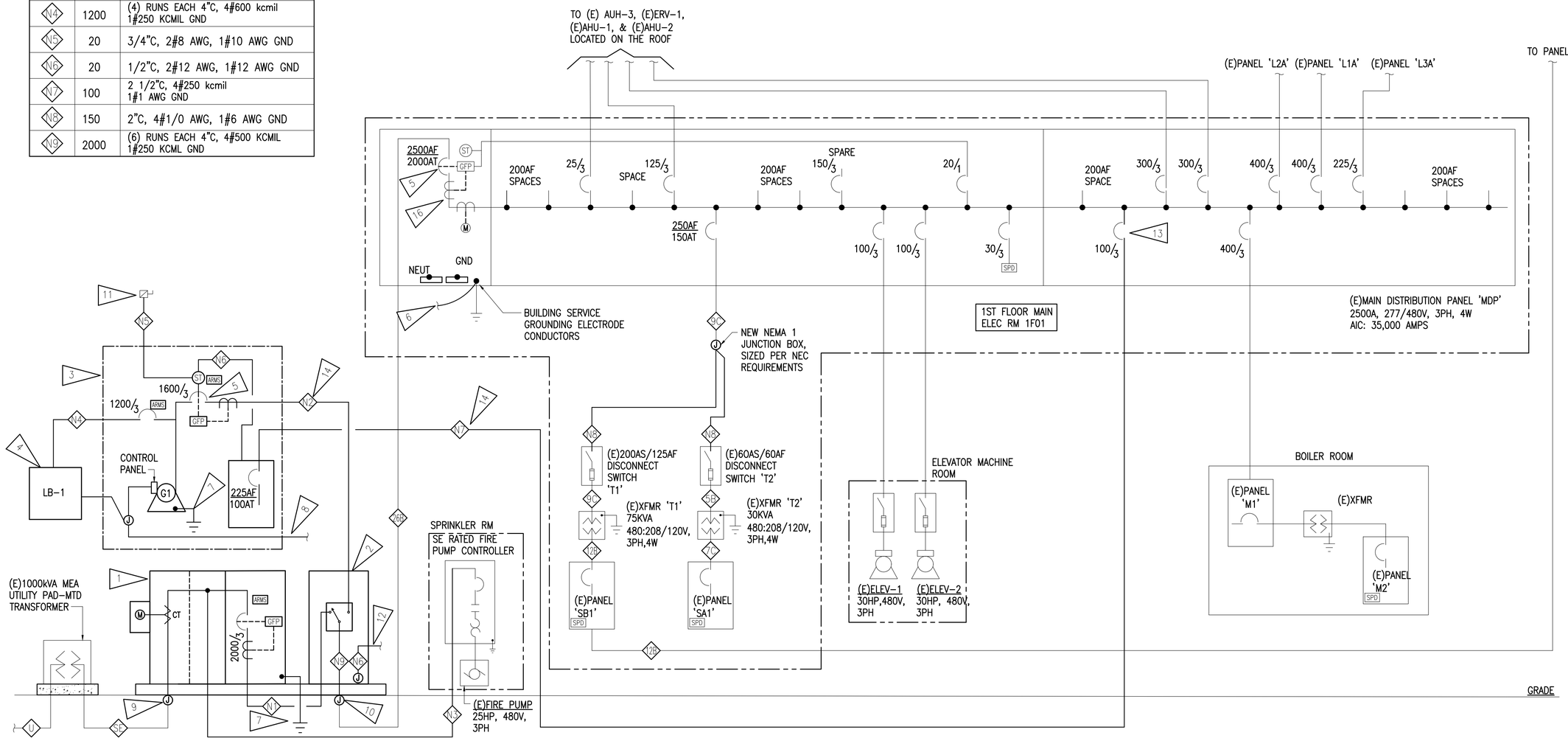
D. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

E. SEE E001 FOR PROJECT PHASING SCHEDULE.

F. SEE E001 FOR SHORT CIRCUIT CALCULATION SUMMARY.

SHEET NOTES: (X)

1. PROVIDE AND INSTALL A NEW SERVICE EQUIPMENT, EUSERC, FIRE PUMP TAP SECTION, AND SE RATED DISCONNECT NEMA 3R PAD–MOUNT ENCLOSURE.
2. INSTALL A NEW OWNER FURNISHED AUTOMATIC TRANSFER SWITCH 'ATS–1', 2000A, 4–POLE, NEMA 3R PAD–MOUNT ENCLOSURE.
3. INSTALL NEW OWNER FURNISHED 900KW/1125KVA, 277/480V, 3–PHASE, 4–WIRE DIESEL–FIRED GENERATOR (STANDBY).
4. INSTALL A NEW OWNER FURNISHED LOAD BANK LB–1 900KW, 277/480V, 3–PHASE NEMA 3R PAD–MOUNT ENCLOSURE.
5. ADJUST LONG TERM TRIP SETTING TO 2000A.
6. PROVIDE NEW TERMINATION BUS IN EXISTING MDP FOR CONNECTION TO ALL EXISTING GROUNDING ELECTRODE CONDUCTORS. INSTALL NEW #4/0 COMMON GROUNDING ELECTRODE CONDUCTOR FROM MDP TO NEW SERVICE DISCONNECT.
7. SEE 1/E301 FOR SERVICE GROUNDING DETAIL.
8. PROVIDE (2) 1"C WITH CONTROL/SIGNAL WIRES FOR CONNECTION BETWEEN THE GENERATOR CONTROL PANEL AND ATS, CONNECTION BETWEEN ATS AND LOAD BANK CONTROLLER, AND CONNECTION BETWEEN THE GENERATOR CONTROL PANEL AND GENERATOR ANNUNCIATOR PANEL. COORDINATE WITH GENERATOR MANUFACTURER FOR CONDUCTOR TYPE, SIZE, AND COUNT.
9. PROVIDE (5) 4"C WITH INSULATED BUSHING AND STUBOUT MINIMUM 24" BELOW GRADE WITH LONG SWEEP ELBOW PER MEA REQUIREMENTS. INTERCEPT EXISTING UTILITY SERVICE LATERALS, EXTEND AND RECONNECT.
10. INTERCEPT AND PROVIDE SPLICE AS NECESSARY FOR RECONNECTION EXISTING PANEL 'MDP' FEEDER.
11. EXISTING GENERATOR REMOTE EMERGENCY SHUTDOWN.
12. CONNECT TO THE EXISTING PANEL 'SA1', 20A, 1–POLE SPARE CIRCUIT #6 FOR ATS STRIP HEATER.
13. PROVIDE A NEW CIRCUIT BREAKER IN AVAILABLE SPACE IN THE MDP FOR NEW PANEL 'G' CONNECTION. THE EXISTING MDP IS A SQ D TYPE QED SERIES 2 WITH A 2500A MAIN BREAKER. THE NEW CIRCUIT BREAKER SHALL BE COMPATIBLE WITH AND LISTED FOR USE IN THE EXISTING MDP AND SHALL HAVE A MINIMUM SHORT CIRCUIT AIC RATING TO MATCH THE LOWEST RATED EXISTING DEVICE IN THE MDP.
14. CONDUCTORS HAVE BEEN UPSIZED TO ACCOMMODATE VOLTAGE DROP.
15. PROVIDE NEW CONDUCTORS IN SIX EXISTING CONDUITS. ONE EXISTING CONDUIT TO REMAIN AS "SPARE".
16. DISABLE EXISTING GROUND–FAULT PROTECTION EQUIPMENT.



1 PARTIAL POWER ONE-LINE DIAGRAM - REMODEL PLAN
NOT TO SCALE

STATE OF ALASKA
STEVEN BASSLER
EE–15384
3/5/26
REGISTERED PROFESSIONAL ENGINEER

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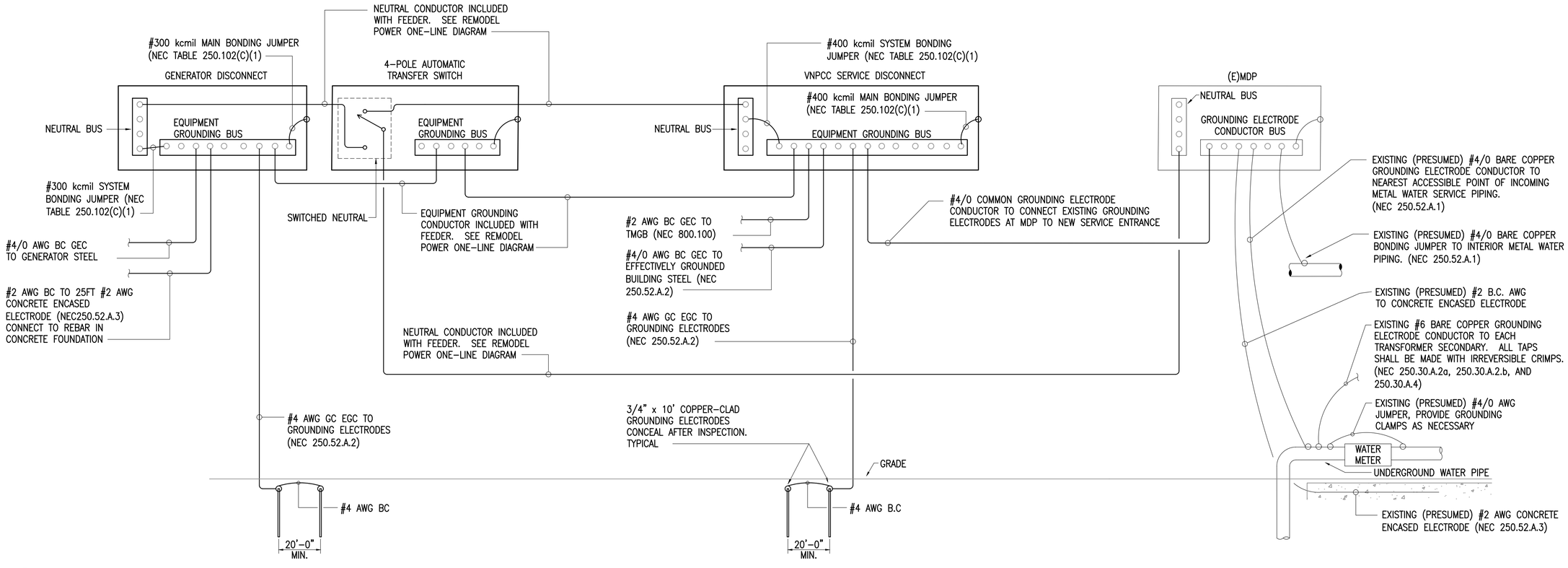
SHEET NAME
POWER ONE-LINE DIAGRAM - REMODEL

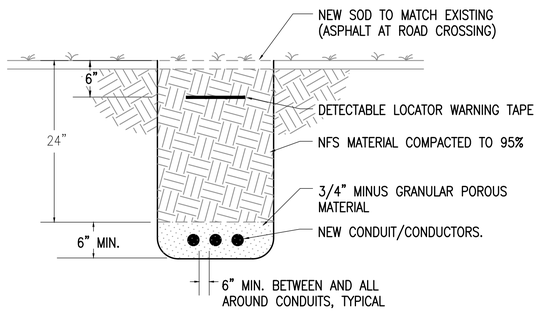
SHEET NO.
E203

HALF-SCALE AT 11X17



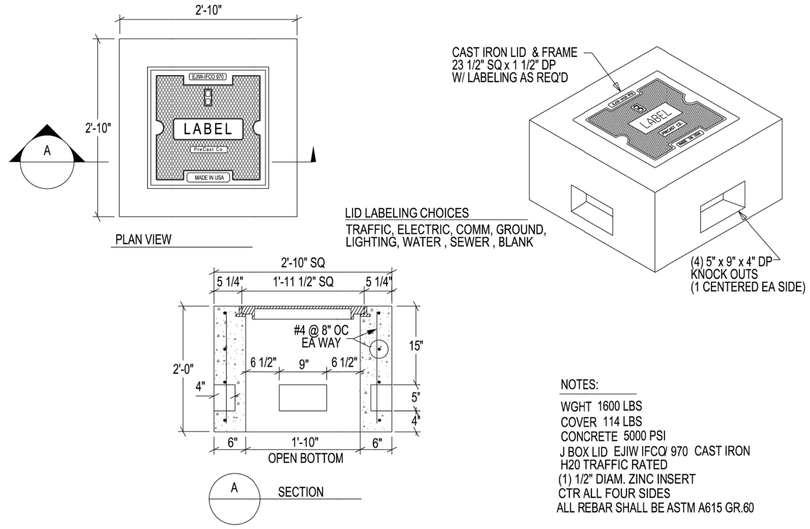
1 SERVICE GROUNDING DETAIL

NO SCALE



3 CONDUIT TRENCHING DETAIL

NO SCALE



2 IN-GRADE TYPE 2 JUNCTION BOX DETAIL

NO SCALE

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SHEET NAME
ELECTRICAL DETAILS

SHEET NO.
E301

HALF-SCALE AT 11X17