

FILE NAME: Z:\project\2368.01 - AMC\_UAA\_NSB\_Bol\Civil\ACAD\2368.01--Details -- DD.dwg  
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ABBREVIATIONS

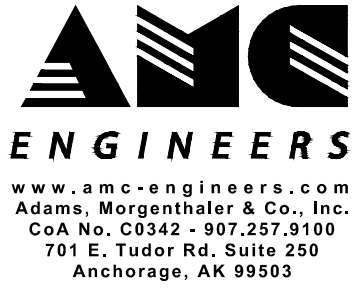
AC	ASPHALTIC CONCRETE
APPROX	APPROXIMATE
ASPH	ASPHALT
AWWU	ANCHORAGE WATER AND WASTEWATER UTILITY
BOP	BOTTOM OF PIPE
C&G	CURB AND GUTTER
CONC	CONCRETE
DEMO	DEMOLITION
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DTL	DETAIL
DWG	DRAWING
E	EASTING, EAST
ELEC	ELECTRIC
EXIST	EXISTING
FF	FINISHED FLOOR
FG	FINISH GRADE
FT	FEET
H	HORIZONTAL
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
LF	LINEAL FEET
LT	LEFT
M.A.S.S.	MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS
MAX	MAXIMUM
MIN	MINIMUM
MOA	MUNICIPALITY OF ANCHORAGE
N	NORTHING, NORTH
NIC	NOT IN CONTRACT
NO.	NUMBER
NTS	NOT TO SCALE
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PCC	PORTLAND CEMENT CONCRETE
RAD, R	RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RT	RIGHT
S	SOUTH
SD	STORM DRAIN
SF	SQUARE FEET
SS	SANITARY SEWER
STD	STANDARD
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
T	THICKNESS
TBC	TOP BACK OF CURB
TYP	TYPICAL
UAA	UNIVERSITY OF ALASKA ANCHORAGE
W	WEST

LINE, SYMBOL, AND HATCH LEGEND

PROPOSED	EXISTING	
	FO	FIBER OPTIC CABLE
	E	UNDERGROUND ELECTRIC LINE
G	G	GAS LINE
	S	SEWER PIPE
	SD	STORM DRAIN
	UT	UNDERGROUND TELECOMMUNICATIONS
W	W	WATER LINE
W		WATER WELL
		FIRE HYDRANT
		WATER VALVE
	GS	GLYCOL SUPPLY
	GR	GLYCAL RETURN
G.M.		GAS METER
		TREE
		OUTDOOR LIGHT POLE
		ASPHALT PAVEMENT
		CONCRETE
		BUILDING
		VEGETATION
		PROPERTY LINE
		EASEMENT

GENERAL CIVIL NOTES:

- ALL CIVIL SITE CONSTRUCTION SHALL BE IN ACCORDANCE WITH MUNICIPALITY OF ANCHORAGE STANDARD SPECIFICATIONS, STREET–DRAINAGE–UTILITIES–PARKS (2015) (M.A.S.S.), CONTRACT SPECIAL PROVISIONS, AND THE ANCHORAGE WATER & WASTEWATER DESIGN AND CONSTRUCTION PRACTICES MANUAL (2012).
- THE CONTRACTOR SHALL COORDINATE ALL NECESSARY PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS PRIOR TO BEGINNING CONSTRUCTION. THE FOLLOWING PERMITS AND SPECIFICATIONS SHALL BE MAINTAINED AND BE POSTED AT THE JOB SITE IN A VISIBLE LOCATION:
  - MOA CONSTRUCTION PERMITS
  - MOA ROW PERMIT
  - TYPE 1 SWPPP / AG.21 CHECKLISTS 1 AND 3
- THE CONTRACTOR SHALL FOLLOW ALL MOA REGULATIONS FOR NOISE, HOURS OF OPERATION, AND DUST CONTROL.
- ALL DAMAGE AND INJURY TO THE PROPERTY THAT IS CAUSED BY OR THAT RESULTS FROM CARRYING OUT OF THE WORK, OR FROM ANY ACT, OMISSION, OR NEGLIGENCE OF THE CONTRACTOR, HIS SUBCONTRACTORS, OR HIS EMPLOYEES, SHALL PROMPTLY BE REMEDIED BY THE CONTRACTOR EITHER BY REPAIRING, REBUILDING, OR REPLACING OF THE PROPERTY DAMAGED OR IN SOME OTHER MANNER SATISFACTORY TO THE OWNER AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL SUBMIT A WORK PLAN IN WRITING TO THE OWNERS REPRESENTATIVE NOT LESS THAN TEN (10) DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS, OR WHEREVER THE CONTRACTOR PROPOSES TO CHANGE CONSTRUCTION METHODS. THE WORK PLAN SHALL CONTAIN INFORMATION ON SAFEGUARDS AND PROTECTION AROUND AND IN THE VICINITY OF ALL EXCAVATIONS AS MAY BE NECESSARY TO PREVENT DAMAGE TO PROPERTY, INCLUDING (BUT NOT LIMITED TO): SHORING; PLACEMENT OF FILL; STOCKPILE AND DISPOSAL OF TRENCH EXCAVATION; IMPORT/ EXPORT SCHEDULE AND PLAN (INCLUDING TRAFFIC CONTROL); ETC. THE WORK PLAN IS FOR CONSTRUCTION PURPOSES AND ITS SUBMITTAL TO AND REVIEW BY THE ENGINEER SHALL NOT ABSOLVE THE CONTRACTOR OF RESPONSIBILITY OF FEDERAL, STATE, AND LOCAL REGULATIONS.
- THE CONTRACTOR SHALL CONTACT UAA TO INITIATE UTILITY LOCATE EFFORT. ALLOW A MINIMUM OF 96 HOURS FOR THE UTILITIES TO BE LOCATED.
- 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.
- DEWATERING SHALL BE REQUIRED FOR ALL ELEVATIONS THAT PENETRATE THE GROUND WATER SURFACE AND TO CLEAR STORM WATER. ALL RELATED COSTS ARE THE CONTRACTOR’S RESPONSIBILITY. WATER RESULTING FROM CONTRACTOR’S DEWATERING EFFORT MAY NOT BE PUMPED OR OTHERWISE DIVERTED INTO EXISTING STORM DRAINS UNLESS REQUIRED PERMITS, INCLUDING, BUT NOT LIMITED TO, THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (ADEC) AND ENVIRONMENTAL PROTECTION AGENCY (EPA), ARE OBTAINED BY CONTRACTOR. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE ALLOWED TO DIVERT WATER FROM THE EXCAVATION ON ROADWAYS. CONTRACTOR SHALL PROVIDE DISPOSAL SITE FOR EXCESS WATER AND SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS AND APPROVALS. CONTRACTOR SHALL PROVIDE COPIES OF PERMITS AND APPROVALS TO THE ENGINEER.
- THE LOCATIONS OF THE EXISTING FEATURES AND UTILITIES SHOWN IN THESE DRAWINGS IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED AND RECORD THEIR LOCATIONS ON THE CONTRACT RECORD DRAWINGS.
- NO SURVEY WAS PERFORMED FOR THIS PROJECT. BASIS OF COORDINATES SHALL BE NGS STATION O’MALLEY, LOCATED NEAR THE INTERSECTION OF THE NEW SEWARD HIGHWAY AND O’MALLEY ROAD. SAID STATION HAS ANCHORAGE BOWL 2000 COORDINATES 303939.2310 N, 353362.5446 E US SURVEY FEET. SOURCE IS CRW ENGINEERING GROUP, LLC. SURVEY CONTROL, UAA DRIVE UNDERCROSSING.



R&M CONSULTANTS, INC.  
ANCHORAGE, ALASKA

NSB EM-2 MECHANICAL SYSTEMS  
CONVERSION/UPGRADE

Revisions		
No.	Date	Description

Design:	CB
Drawn:	CB

UAA Project No.:	16-0103
Date:	02/17/2017

Sheet Title
ABBREVIATIONS, LEGEND, NOTES & DETAILS

Sheet Number
C1.0



CALL BEFORE YOU DIG!

LOCATE CALL CENTER

ANCHORAGE AREA. . . . . 278–3121

STATEWIDE . . . . . .800–478–3121

WHO WILL NOTIFY THE FOLLOWING:

ALASKA COMMUNICATIONS SYSTEMS – ALASKA DOT/ANCHORAGE STREET LIGHTS

ANCHORAGE DEPARTMENT OF PUBLIC WORKS

ANCHORAGE WATER AND WASTEWATER UTILITY – AT&T ALASCOM

CHUGACH ELECTRIC ASSOCIATION – ENSTAR NATURAL GAS COMPANY

MUNICIPAL LIGHT & POWER DEPARTMENT – GCI

100% CONSTRUCTION DOCUMENTS