

1. CLEARING AND GRUBBING LIMITS SHALL BE A MAXIMUM OF 10 FEET BEYOND THE TOP OF TRENCH EXCAVATION UNLESS OTHERWISE SHOWN. IN NO CASE SHALL CLEARING BE BEYOND THE EDGE OF THE ROW OR EASEMENT LIMITS. MINOR CHANGES TO CLEARING, GRUBBING AND SEEDING LIMITS SHALL BE SUBJECT TO THE ENGINEERS DISCRETION. DISTURBED AREAS OUTSIDE THE LIMITS SHOWN ON THE PLANS SHALL BE RESTORED TO ORIGINAL GRADE AND SEEDED.
2. THE CONTRACTOR WILL ENCOUNTER VARIOUS IMPROVEMENTS SUCH AS (BUT NOT LIMITED TO) ASPHALT PAVEMENT, POWER POLES AND GUYS, SIGNS, SURVEY MONUMENTS, TREES, CULVERTS, DRIVEWAYS, AND TELEPHONE PEDESTALS. IT IS THE INTENT OF THIS CONTRACT TO INSTALL A WORKING UTILITY AND RESTORE ALL IMPACTED IMPROVEMENTS AT NO ADDITIONAL COST TO THE OWNER.
3. SIGNS SHALL BE PROTECTED OR REMOVED AND REINSTALLED IN THEIR EXISTING LOCATIONS. WHEN REINSTALLED, USE DESIGNOVATIONS, INC. "SNAP-N-SAFE" BREAKAWAY SQUARE SIGN POST COUPLERS, PART NUMBER S250.
4. SURVEY MONUMENTS DISTURBED DURING PROJECT SHALL BE RESET BY A PROFESSIONAL LICENSED SURVEYOR.
5. CONTRACTOR SHALL STAKE THE ROW AND EASEMENTS PRIOR TO BEGINNING ANY CLEARING OR CONSTRUCTION. WORK OUTSIDE THE ROW OR EASEMENTS SHALL BE COORDINATED AND APPROVED BY THE ENGINEER.
6. SAWCUT ALL MATCH LINES WHERE NEW CONSTRUCTION ABUTS EXISTING ASPHALT. APPLY STE-1 ASPHALT FOR TACK COAT ON THE VERTICAL FACE OF ALL SAWCUTS. SEE SHEET C-502 FOR ASPHALT SAWCUTTING AND TYPICAL SECTION FOR REPLACEMENT.

2. ELEVATIONS OF EXISTING UTILITIES ARE UNKNOWN. ALL POTENTIAL CONFLICTS WITH NEW WORK SHALL BE POTHOLED, SURVEYED, AND LOCATION & ELEVATION SHALL BE PROVIDED TO ENGINEER PRIOR TO EXCAVATION FOR THE WATER MAIN. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN LOCATES OF EXISTING UTILITIES BEFORE EXCAVATION.
2. THE EXISTING GROUNDWATER TABLE SHOWN IN THE PLAN AND PROFILE DRAWINGS IS APPROXIMATED USING PUBLICLY AVAILABLE MONITORING WELLS DATA, AS WELL AS FIELD OBSERVATIONS IN RECENT CONSTRUCTION PROJECTS DURING THE SUMMER MONTHS WHEN GROUNDWATER ELEVATIONS TEND TO BE THE HIGHEST. NOTE THAT THE GROUNDWATER ELEVATION FLUCTUATES SEASONALLY WITHIN THE PROJECT LIMITS. DEWATERING MAY BE REQUIRED TO OBTAIN SUITABLE COMPACTION.
3. ALL UTILITIES WITHIN AND BEYOND THE PROJECT BOUNDARY SHALL REMAIN IN PLACE AND IN SERVICE DURING CONSTRUCTION UNLESS APPROVED BY THE ENGINEER.
4. ALL MATERIALS THAT COME IN DIRECT CONTACT WITH POTABLE WATER MUST BE APPROVED BY NSF/ANSI STANDARD 61.
5. FIRE HYDRANT ASSEMBLIES INCLUDE ALL FITTINGS, BOLLARDS, AND VALVES SHOWN.
6. WATER SERVICE LOCATIONS WILL BE STAKED IN THE FIELD BY THE ENGINEER. ADDITIONAL SERVICES MAY BE ADDED DURING CONSTRUCTION BY ENGINEER AND PAID FOR AT UNIT PRICES. SEE SHEET C-701 FOR WATER SERVICE SCHEDULE.
7. PROTECT EXISTING WATER LINE THRUST BLOCK ASSEMBLIES AS NECESSARY DURING CONSTRUCTION.
8. ALL UTILITY SURFACE FEATURES IN THE ROAD SHALL BE ADJUSTED PRIOR TO PAVING. NO CUTTING OF ASPHALT SHALL BE ALLOWED WITHOUT ENGINEER'S APPROVAL.
9. UNDERGROUND UTILITY LOCATIONS WERE PAINTED ON THE GROUND AND ARE APPROXIMATE. CONTRACTOR SHALL CALL THE ALASKA DIGLINE (811) TO ESTABLISH THE EXACT LOCATION OF UTILITIES PRIOR TO COMMENCING WORK.
10. PLAN AND PROFILE SHEETS SHOW MINIMUM HORIZONTAL DIRECTIONAL DRILL (HDD) LIMITS BASED ON ALASKA DEPARTMENT OF TRANSPORTATION AND ALASKA DEPARTMENT OF FISH AND GAME COORDINATION. THESE LOCATIONS MAY BE EXTENDED.

ABDN	ABANDONED
ADEC	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AFF	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
CMP	CORRUGATED METAL PIPE
COMM	COMMUNICATIONS
CPP	CORRUGATED PLASTIC PIPE
CY	CUBIC YARD
DEMO	DEMOLITION
DIA, Ø	DIAMETER
DIP	DUCTILE IRON PIPE
DOT	DEPARTMENT OF TRANSPORTATION
E	EASTING
EG	EXISTING GROUND
ELEV, EL	ELEVATION
EM	EASEMENT
EP	EDGE OF PAVEMENT
EX	EXISTING
F/O	FIBER OPTIC CABLE
FG	FINISHED GRADE
FH	FIRE HYDRANT
GV	GATE VALVE
IE	INVERT ELEVATION
LF	LINEAR FOOT
MAX	MAXIMUM
MIN	MINIMUM
MH	MANHOLE
MJ	MECHANICAL JOINT
NTS	NOT TO SCALE
OC	ON CENTER
OFF	OFFSET
OHE	OVERHEAD ELECTRIC
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PUE	PUBLIC UTILITY EASEMENT
R	RADIUS
REV	REVISION
ROW, R/W	RIGHT OF WAY
RR	RAILROAD
SD	STORM DRAIN
SF	SQUARE FOOT
SH	SHOULDER
SHT	SHEET
SS	SANITARY SEWER
STA	STATION
TYP	TYPICAL
UGE	UNDERGROUND ELECTRIC
UV	ULTRA VIOLET
W/	WITH
W, WTR	WATER
WTP	WATER TREATMENT PLANT
X	CROSSING

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