ELEVATION DETAIL (left view) — labels:

CELLULAR ADDITIVES

LEVEL 1
EXTERIOR WALKWAY WITH HAND RAILS

EXTERIOR WALKWAY ACCESS LADDER WITH SAFETY CLIMB DEVICE

LEVEL 2
EXTERIOR WALKWAY WITH HAND RAILS

LEVEL 3
NO ANTENNAS

EXTERIOR WALKWAY ACCESS LADDER WITH SAFETY CLIMB DEVICE

LEVEL 4
EXTERIOR WALKWAY WITH HAND RAILS

15'-6"

21'

EXTERIOR WALKWAY ACCESS LADDER WITH SAFETY CLIMB DEVICE (CELLULAR ADDITIVE)

CABLE SUPPORT (BY OTHERS SEE TRAPEZE DETAIL THIS SHEET)

8'H X 10'W OVERHEAD DOOR ROTATED FOR CLARITY

36"x80" PERSONNEL DOOR

LADDER GUARD DEVICE (CELLULAR ADDITIVE)

Center elevation labels:

78' (SEE NOTE 2)

ROOF PLATFORM HANDRAIL
VENT
ACCESS TUBE HATCH
ROOF HATCH
OBSTRUCTION LIGHT

Top of Tank: 1228.01
ACCESS TUBE
ACCESS TUBE LADDER

H.W.L. PUMPS OFF 1223.68
NORMAL L.W.L. PUMPS ON
1' 6"
OVERFLOW 1224.18
OVERFLOW WEIR
5'
INLET 1217.68

TANK CAPACITY (SEE NOTE 1)

TANK FLOOR MANHOLE TO TANK ROOF LADDER

PROVIDE REMOVABLE PIPE TO ACT AS SILT STOP 6" ABOVE BASE

OUTLET/DRAIN (FLUSH WITH BASE)

L.W.L. (SEE BID OPTIONS) 1180.00

PEDESTAL VENT (8 TYP.)

12"

RIGGING ACCESS HATCH/LOUVERED VENT OPENED AND LOCKED FROM INSIDE

UTILITY RINGS

TANK FLOOR MANHOLE

ACCESS LADDER

EXPANSION JOINT (TYP)

UPPER PLATFORM TO TANK FLOOR MANHOLE LADDER

INSULATED PIPE FROM SUSPENDED CEILING TO TANK PER SPECIFICATIONS

PROVIDE PLATFORMS EVERY 30' MINIMUM 24"X30" MINIMUM

WALKWAY WITH HANDRAIL

GRADE TO UPPER PLATFORM LADDER

PEDESTAL GIRDER
PEDESTAL VENT

CONDENSATE CEILING (IF NECESSARY)

CONDENSATE CEILING DRAIN TO CONNECT TO TANK OVERFLOW PIPE

FF ELEV=1046.5

6"X6" CONCRETE CURB

10'

PEDESTAL VENT

SUSPENDED CEILING HATCH

SUSPENDED CEILING

1% SLOPE TO DRAIN

0.5'

3' MIN COVER

INLET/OUTLET PIPE

OVER FLOW/DRAIN PIPE TO ATMOSPHERE

6" FLOOR DRAIN (ROTATED FOR CLARITY)

FOUNDATION (TO BE DESIGNED BY TANK CONTRACTOR)

42' (SEE NOTE 2)

ELEVATION DETAIL
37 36
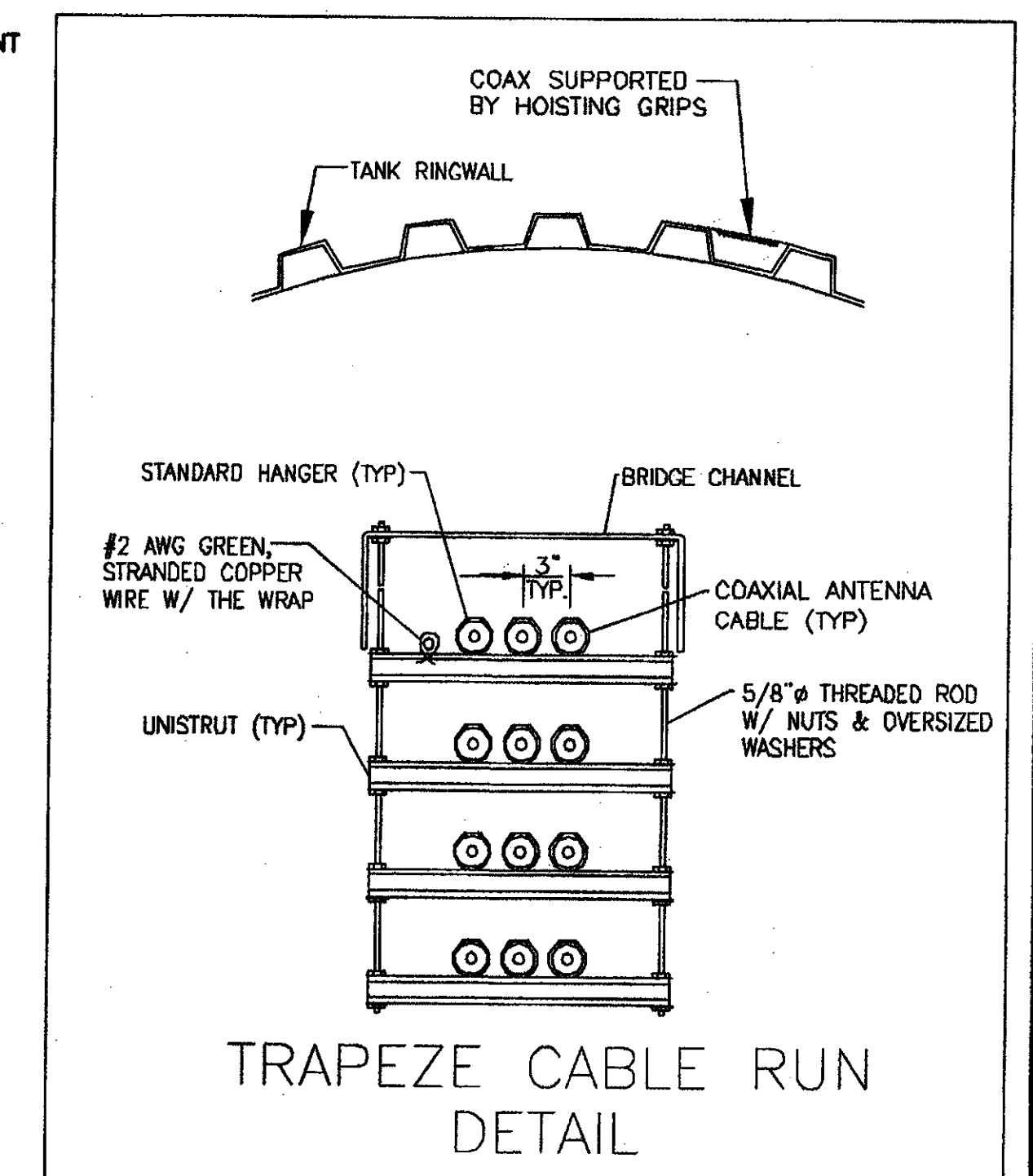B
1" = 10' FULL SIZE PLANS
1" = 20' HALF SIZE PLANS

BID OPTIONS:

BASE BID: 500,000 GAL TANK; L.W.L.=1146'
ALTERNATE BID A: 1,000,000 GAL TANK; L.W.L.=1146'
ALTERNATE BID B: 1,000,000 GAL TANK; L.W.L.=1180'

NOTES:
1. H.W.L. AND NORMAL L.W.L. TO VARY WITH BID OPTION AND MANUFACTURER'S DESIGN.
2. TANK AND PEDESTAL DIAMETER TO VARY WITH BID OPTION AND MANUFACTURER'S DESIGN.

TRAPEZE CABLE RUN DETAIL — labels:

COAX SUPPORTED BY HOISTING GRIPS
TANK RINGWALL
STANDARD HANGER (TYP)
BRIDGE CHANNEL
#2 AWG GREEN, STRANDED COPPER WIRE W/ THE WRAP
3" (TYP.)
COAXIAL ANTENNA CABLE (TYP)
5/8"ø THREADED ROD W/ NUTS & OVERSIZED WASHERS
UNISTRUT (TYP)

TRAPEZE CABLE RUN DETAIL

SMITH MOUNTAIN LAKE
PHASE 1 WATER SYSTEM
BEDFORD COUNTY, VIRGINIA

TANK ELEVATION DETAILS

DOCUMENT NO.
18745 — 036

SHEET
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