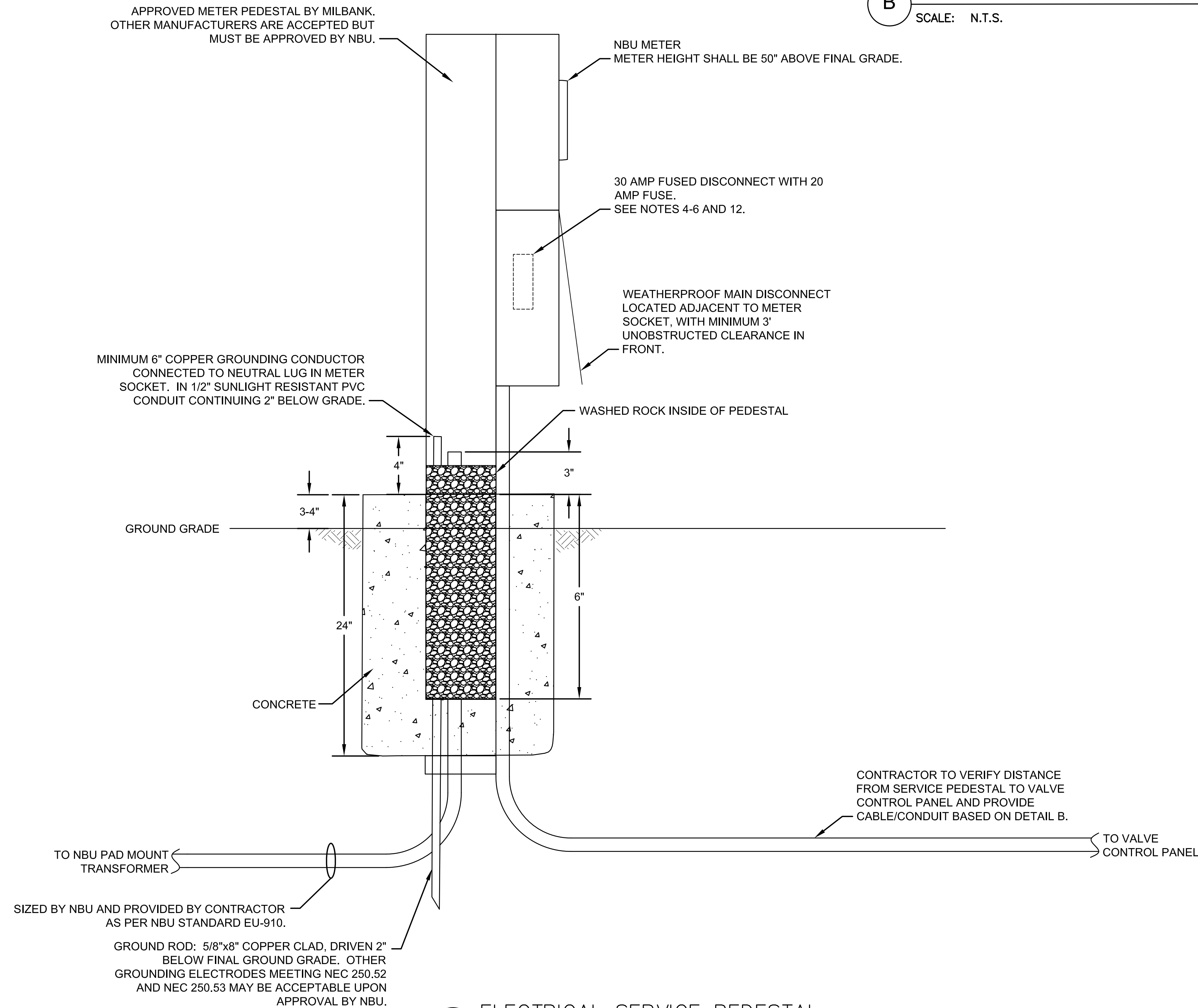


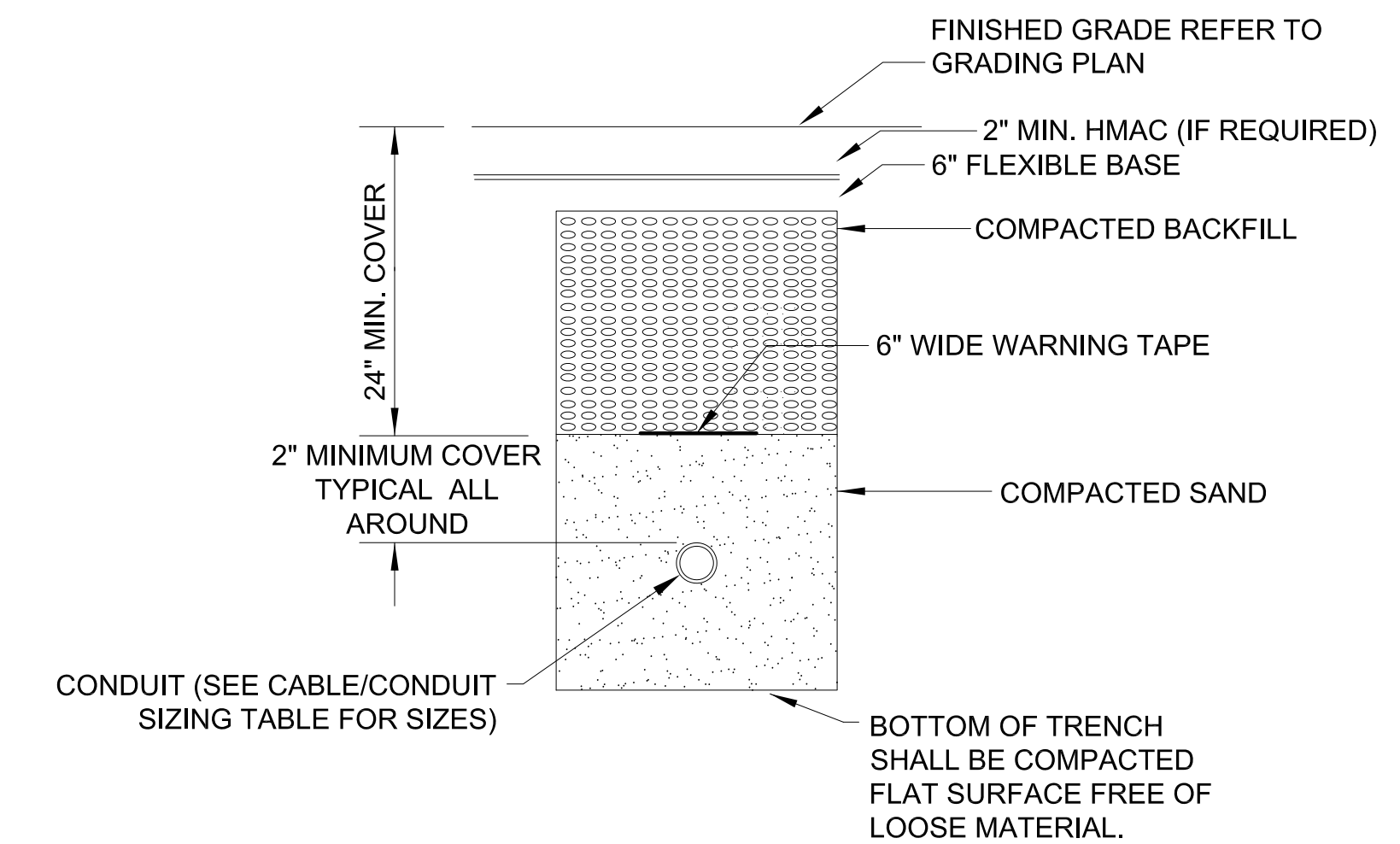
1. ALL ELECTRIC CONDUIT SHALL BE DIRECT BURIED 24 INCHES BELOW GRADE. SEE DETAILS C AND D FOR DUCTBANK, CABLE AND CONDUIT DETAILS.
2. ABOVE GROUND CONDUIT SHALL BE RIGID ALUMINUM. ALL-WEATHER CORROSION PROTECTION TAPE SHALL BE PROVIDED ON AREAS WHERE CONCRETE COMES IN CONTACT WITH ALUMINUM CONDUIT.
3. UNDER GROUND CONDUIT SHALL BE PVC SCHEDULE 80 CONDUIT.
4. ALL ENCLOSURES AND DISCONNECTS MUST BE PAD-LOCKABLE.
5. ALL PANELS, ENCLOSURES AND DISCONNECTS SHALL BE NEMA 3R, 304 STAINLESS STEEL.
6. ALL MOUNTING HARDWARE, FITTINGS AND STRUT CHANNEL SHALL BE 316 STAINLESS STEEL.
7. CONTRACTOR SHALL FOLLOW NBU STANDARDS FOR SERVICE POLE RACK INSTALLATION.
8. TOP PENETRATIONS ON PANELS ARE NOT ALLOWED. CONDUIT DRAWN FOR DIAGRAMMATIC PURPOSES ONLY.
9. DIELECTRIC COUPLINGS SHALL BE INSTALLED BETWEEN DISSIMILAR METALS IN ALL CASES.
10. CONDUCTORS TO BE UNSPLICED FROM TRANSFORMER TO METER SOCKET, AND THEN FROM METER SOCKET TO MAIN DISCONNECT, NEUTRAL MARKED WITH WHITE TAPE IN THE METER SOCKET. ENCLOSURE BONDING SHALL BE IN ACCORDANCE WITH NEC 250.92.
11. PROVIDE SURGE PROTECTIVE DEVICE ON LOAD SIDE OF FUSED DISCONNECT PER SPECIFICATION 16010.

LOAD (VA)	CONDUIT (INCHES)	CABLE# (THWN)	DISTANCE (FEET)	GND# (THWN)
500VA	1" C	2#10	100'	1#12
500VA	1" C	2#10	150'	1#12
500VA	1" C	2#10	200'	1#12
500VA	1" C	2#10	250'	1#12
500VA	1" C	2#10	300'	1#12
500VA	1" C	2#8	350'	1#10
500VA	1" C	2#8	400'	1#10

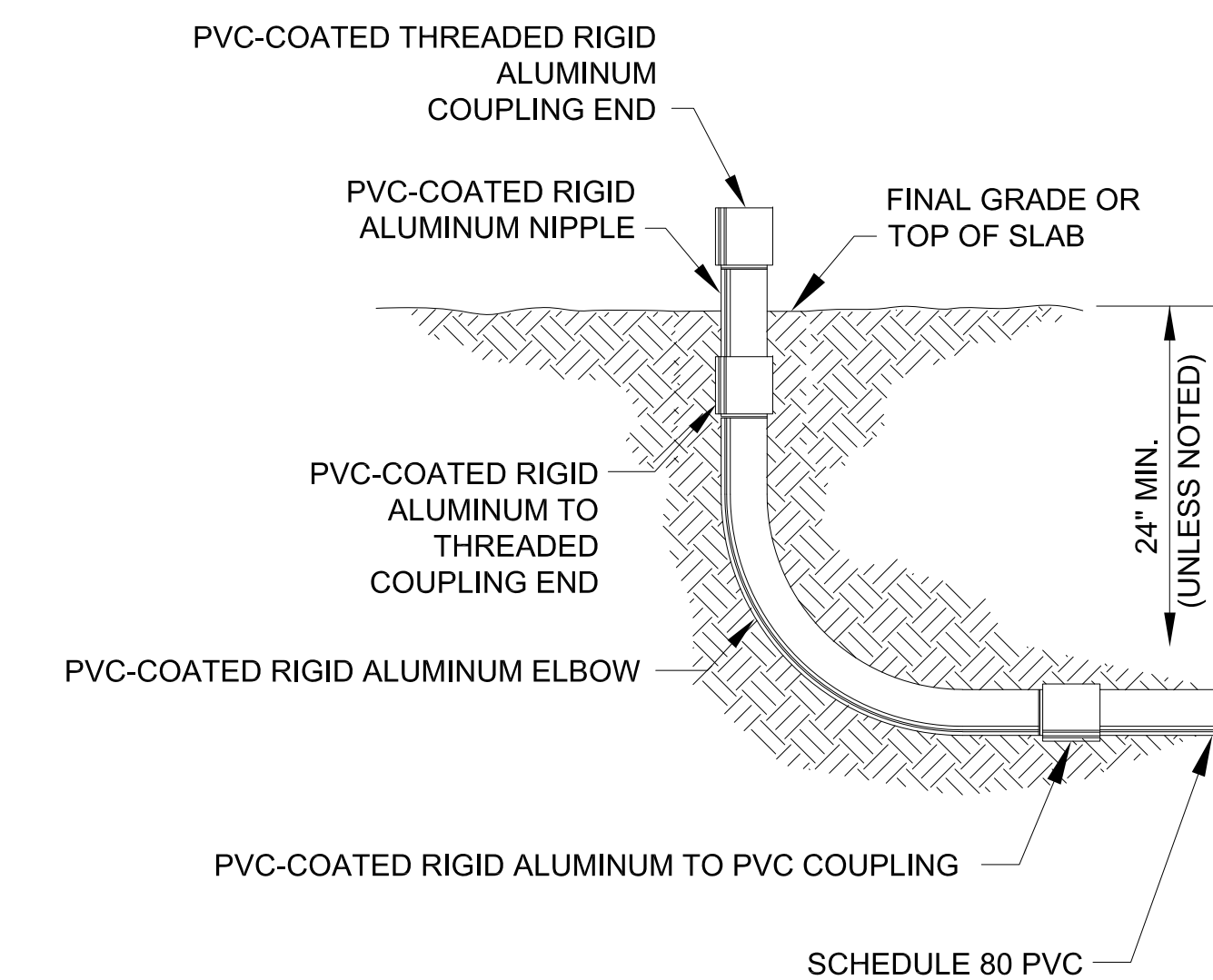
SCALE: N.T.S.



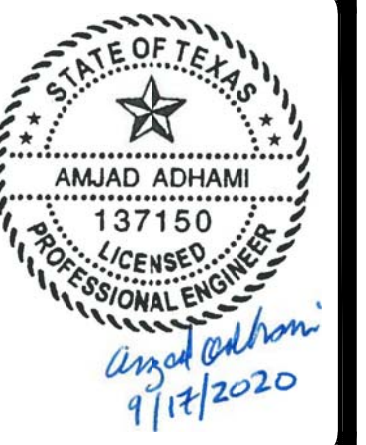
SCALE: N.T.S. REFERENCE NBU STANDARD EU-015.



SCALE: N.T.S. SEE NOTES 1 & 10.



SCALE: N.T.S. SEE NOTES 1.

[illegible]

GRUBB ENGINEERING, INC.
ELECTRICAL POWER SYSTEMS
DESIGN & TESTING
TBPE FIRM REGISTRATION #3904

VERAMENDI BASIN ELECTRICAL PLAN
NEW BRAUNFELS, TEXAS
SERVICE RACK
DETAILS

LAT NO. _____
 OB NO. _____
 DATE _____
 DESIGNER AA
 CHECKED AA DRAWN SG
 E1
 HEET