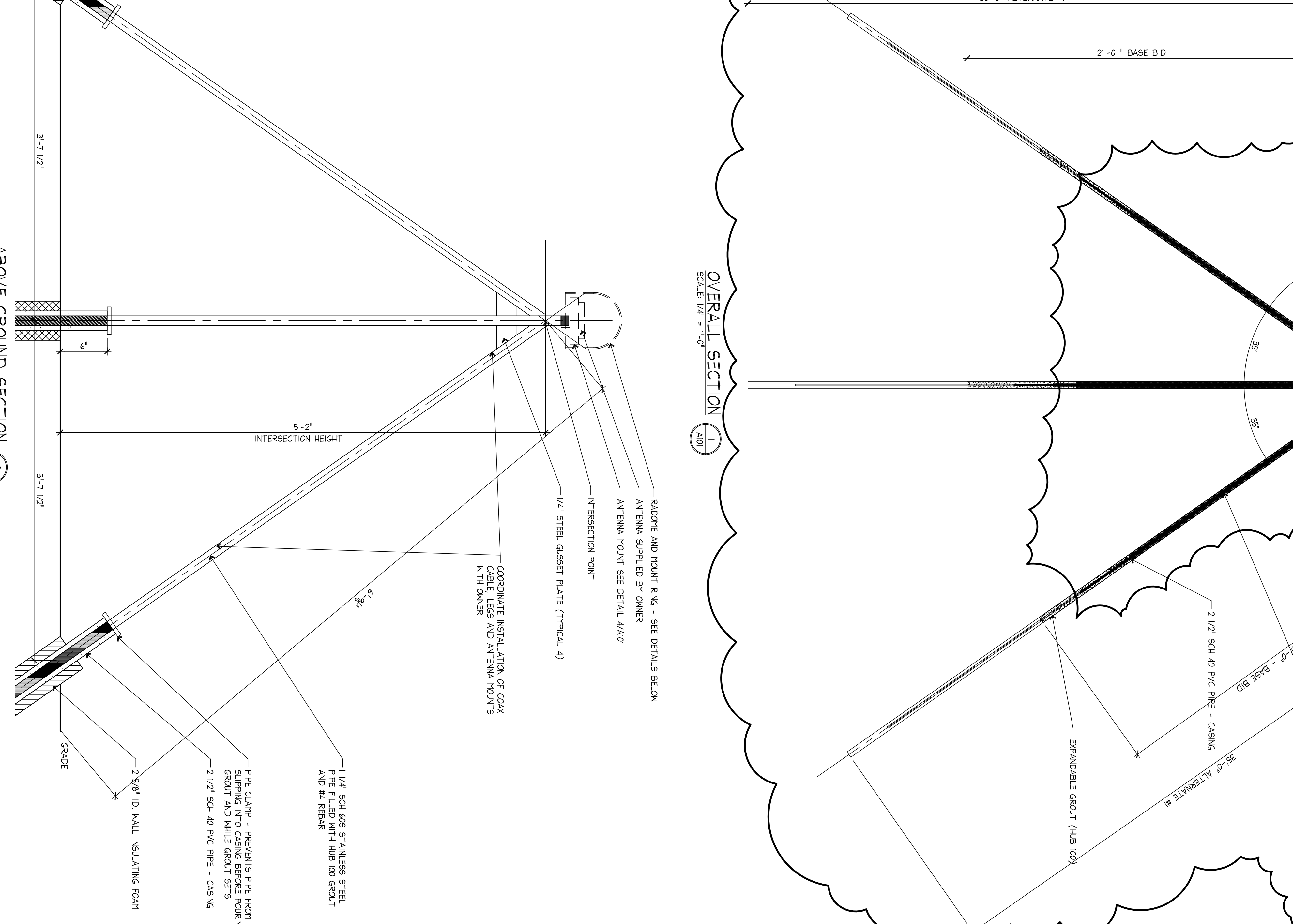
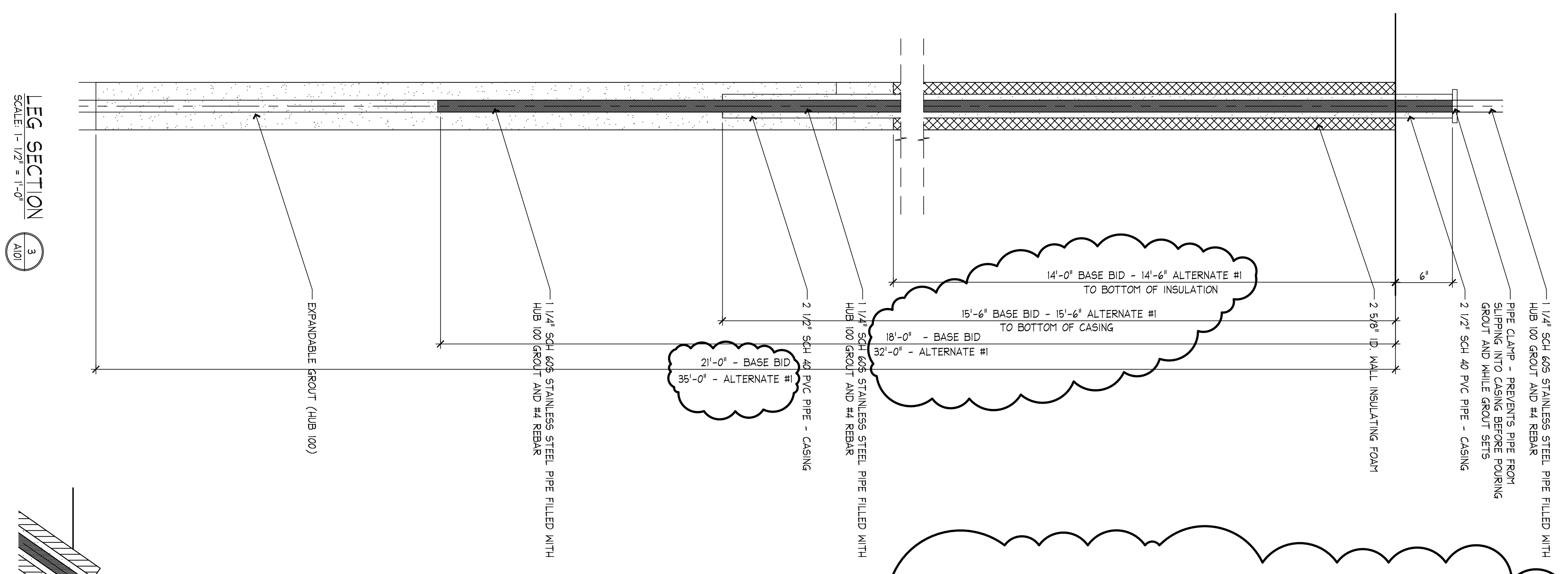


- NOTES**
- HOLES FOR MONUMENT TRIPOD LEGS TO BE DRILLED TO MINIMUM DEPTH OF 21 FEET CENTER TO CENTER. ALL DRILLED CENTER HOLES TO BE DRILLED AT VERTICAL ANGLE OF 35 DEGREES. FOUR ANGLED HOLES TO BE DRILLED AT 35 DEGREES FROM VERTICAL. PLUMBINGS 2.5 INCHES DIAMETER.
 - TERESA SITE ENGINEERING, INC. (TERESA) GEOTECHNICAL STUDY DATED 02/16/2010. THE REPORT AND BORING LOGS A GENERAL DEPICTION OF THE SURFACE CONDITIONS. THE BORING LOG INDICATES THAT PERMEABLE ZONES SUCH AS SAND, GRAVEL, COBBLES, AND LARGE BOULDERS MAY BE ENCOUNTERED. ADDED REBAR SHALL BE INSTALLED IN ALL HOLES TO BE DRILLED. PRELIMINARY SUBSURFACE INVESTIGATION BY TERESA. CONTRACTOR TO CHOOSE THE APPROPRIATE DRILL METHODS AND INSTALLATION TOOLS AND TO BE PREPARED FOR CASING AND ROCK CORING, IF DEEMED NECESSARY DURING FOUNDATION INSTALLATION.
 - HOLES ARE TO BE DRILLED AT LOCATIONS INDICATED. PRECISE MEASUREMENT OF HOLE LOCATION DURING DRILLING SHALL BE REQUIRED. SPECIFICATIONS FOR THE CENTER LINE OF HOLES SHALL INTERSECT AT A SINGLE POINT PLUMBINGS 3". THIS POINT OF INTERSECTION SHALL BE LOCATED 62" ABOVE THE SURFACE AT THE CENTER LEG, ON LEVEL GROUND. EACH OF THE 4 ANGLED LEGS WILL ENTER THE GROUND AT 45° FROM THE CENTER LEG.
 - ALL HOLES SHALL BE DRILLED STRAIGHT ENOUGH SO THAT A PVC CASING CAN BE INSTALLED IN THE TOP 15.5 FEET OF EACH HOLE, AND THAT THE STEEL PIPE CAN BE FREELY LOWERED, NOT FORCED, FOR ITS ENTIRE LENGTH.
 - HOLE DEPTH IS TO BE DETERMINED BY ACTUAL MEASUREMENT AFTER DRILLING. IF NECESSARY, LOOSE MATERIAL MAY NEED TO BE REMOVED FROM THE BOTTOM OF THE HOLES TO ACHIEVE REQUIRED DEPTH.
 - 2 1/2" PVC CASING (WRAPPED WITH INSULATION) SHALL BE INSTALLED IN EACH HOLE IMMEDIATELY AFTER DRILLING AS INDICATED.
 - A 1-1/4" SCHEDULE 40S STAINLESS STEEL PIPE SHALL BE INSTALLED INSIDE CASING IN EACH HOLE TO A DEPTH INDICATED.
 - ALL FIVE LEGS ARE TO BE CEMENTED IN PLACE WITH GROUT.
 - FOLLOWING STEEL PIPE INSTALLATION, GROUT SHALL BE PUMPED DOWN THE STEEL PIPES UNTIL GROUT FILLS PIPE AND PIPE-CASING ANNULUS, AND IS SEEN EMERGING FROM TOP OF ANNULUS. DUE TO SMALL CLEARANCES WITHIN PIPE AND AT PIPE-CASING ANNULUS, DURING GROUT PLACEMENT.
 - GROUT SHALL BE PLACED SUCH THAT NO AIR CONTAINS FLOW OF GROUT THROUGH PIPE AND BACK UP THROUGH ANNULUS. PROPER GROUT HANDLING, MIXING, AND PUMPING EQUIPMENT AND PROCEDURES.
 - TOP SURFACE OF GROUT IS TO BE FINISHED SUCH THAT WATER WILL NOT PUDDLE AROUND MONUMENT LEGS.
 - CONTRACTOR SHALL PROVIDE THE FOLLOWING SITE DOCUMENTATION:
 - DEPTH OF HOLES. ALL DRILLING SHALL BE MEASURED AND RECORDED.
 - MEASURED, TAMPED, AND SHIMMED PIPE DEPTHS SHALL BE RECORDED.
 - GROUT INFILTRATION. TIME OF DAY, GROUT SACK ID#, GROUT AMOUNT SHIFTED, MIXED AND RECORDED.
 - CONTRACTOR SHALL CONTAIN AND DISPOSE OF ALL EXCESS GROUTING MATERIAL, SOIL SPILLS AND DEBRIS.
 - THE DEPTH AND THICKNESS OF ALL PERMEABLE SANDY ZONES, OBSTRUCTIONS SUCH AS LARGE GRAVEL, COBBLES AND BOULDERS, INCLUDING DRILL METHODS IMPLEMENTED SHOULD BE RECORDED IN DETAIL.
 - ANTENNA MOUNT, RADOME AND DOME MOUNTING RING TO BE SUPPLIED AND INSTALLED BY CONTRACTOR. MOUNT SHALL BE SIGNED GPS LEVELING MOUNT. DESIGN 3" BOULDER AND DOME MOUNTING RING TO BE HIGH PROFILE - "TALL" DOME - FROM UNIVERSITY OF CALIFORNIA, GPP 0225, LAJOLLA, CALIFORNIA 92093 (213) 740-5448 OR PRECISION DESIGN & MACHINE, 6595 ODELL PLACE, SUITE F BOULDER, CO 80501, 303-527-3044. MOUNT TO BE INSTALLED AND ADJUSTED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COORDINATE MOUNTING AND ANTENNA MOUNTING AND ADJUSTMENT REQUIRED FOR OWNER'S INSTALLATION OF THEIR ANTENNA.



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| <p>DATE: 2/18/10 PROJECT NO.: 7696.001</p> <p>DRAWN BY: DLD CHECKED BY: DLD</p> <p>SHEET TITLE: SECTIONS AND DETAILS</p> <p>DRAWING TITLE: A101</p> | | <p>CHERRY LANE GPS MONUMENT RELOCATION - 2010</p> <p>WEST LAFAYETTE, INDIANA</p> <p>PURDUE UNIVERSITY-OFFICE OF THE UNIVERSITY ARCHITECT 401 SOUTH GRANT STREET, WEST LAFAYETTE, INDIANA 47906</p> | | <p>Schneider</p> <p>THE SCHNEIDER CORPORATION 1335 WEST BENTLEY BLVD. WEST LAFAYETTE, IN 47906-4156 TELEPHONE: 765.448.6661 FAX: 765.448.6665 www.schneidercorp.com</p> <p>ARCHITECTURE CIVIL ENGINEERING ENVIRONMENTAL ENGINEERING GEOTECHNICAL SERVICES GIS • US HOME BUILDER SERVICES INTERIOR DESIGN LANDSCAPE ARCHITECTURE TRANSPORTATION ENGINEERING</p> | | <p>REVISIONS:</p> <p># - ADDED ALTERNATE # - DEPTH OF MONUMENT LEG TO BE 35'-0" UNDER ALTERNATE #1, PER ADDENDUM #1. 3/22/2010</p> | |
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