

SPECIFICATION FOR TOPOGRAPHICAL SURVEY AND SOIL INVESTIGATION OF SITE FOR FEDERAL BUILDING.

38. DESCRIPTION OF SOIL.--DESCRIBE THE THICKNESS, CONSISTENCY, CHARACTER AND SAFE BEARING VALUE OF THE LAYER OR STRATA OF SOIL ENCOUNTERED IN THE PIT.

39. GROUND WATER.--ELEVATION AND AMOUNT OF GROUND WATER ENCOUNTERED, IF ANY, AND ITS PROBABLE VARIATION WITH THE SEASONS; THE EFFECT OF WATER ON THE SOIL.

40. ROCK, ETC.--THE DEPTH TO ROCK SHALL BE GIVEN, IF KNOWN, ALSO, THE PROBABILITY OF ENCOUNTERING QUICKSAND, AND ITS EXTENT.

41. FROST.--FROST IS A FACTOR IN FOUNDATION WORK IN THE LOCALITY OF THE BUILDING IN QUESTION, STATE APPROXIMATE DEPTH BELOW SURFACE OF GROUND TO WHICH INFLUENCE IS FELT.

42. FRESHETS, ETC.--IF THERE IS ANY BODY OF WATER, OR WATER COURSE, ADJACENT TO THE SITE, STATE THE NORMAL MINIMUM AND MAXIMUM ELEVATIONS OF THE WATER. ALSO, IF SITE IS ADJACENT TO FRESHETS, THE ESSENTIAL FACTS AS TO THE PROBABLE CONDITIONS TO BE MET, JUDGING FROM LOCAL EXPERIENCE.

43. MINERAL RIGHTS.--IF THE PROPERTY IS UNDERLIED WITH MINES OR SUBJECT TO MINERAL RIGHTS, THE CONTRACTOR SHALL STATE WHETHER MINING OPERATIONS ARE NOW GOING ON, OR IF OLD WORKINGS ARE LOCATED IN THE IMMEDIATE VICINITY, AND SHALL FORWARD REPORT ON ELEVATION AND LOCATION OF TOP OF WORKINGS RELATIVE TO BENCHMARK USED FOR PLATS.

44. ALKALI.--STATE IF SOIL CONTAINS ALKALI IN SUFFICIENT QUANTITIES TO AFFECT CONCRETE FOOTINGS, AND GIVE THE APPROVED LOCAL METHOD OF GUARDING AGAINST SAME.

45. BUILDINGS.--DESCRIBE THE LARGEST MASONRY BUILDINGS IN THE VICINITY, THE TYPE OF FOOTINGS, ELEVATION OF BASEMENT FLOOR, THE UNIFORM PRESSURE EXERTED ON THE SOIL BY THESE BUILDINGS, DO THEY SHOW ANY SIGNS OF SETTLEMENT? ARE BASEMENTS WATERPROOFED? ARE THEY INFESTED WITH DAMPNESS OR SEEPAGE WATER AT ANY SEASON OF THE YEAR?

46. FOUNDATIONS.--DESCRIBE THE MOST SUITABLE TYPE OF FOUNDATIONS (SPILERS, PILES, ETC.) FOR A TWO-STORY HEAVY MASONRY BUILDING.

47. ADDITIONAL INFORMATION.--ANY ADDITIONAL INFORMATION WHICH MAY AFFECT THE DESIGN OR PLACING OF THE FOUNDATIONS.

48. WELL WATER.--THE TYPE, DEPTH, ETC., OF WELLS IN USE IN THE VICINITY OF SITE, AND THE ELEVATION OF THE SURFACE OF WATER IN SAME, THE QUALITY OF SUCH WELL WATER; WHETHER CISTERN WATER IS USED FOR DRINKING OR DOMESTIC PURPOSES, AND THE SIZE AND TYPE OF CISTERN IN GENERAL USE.

49. CONTEMPLATED FACILITIES.--THE PROBABLE DATE OF INSTALLATION AND DESCRIPTION OF ANY PROPOSED IMPROVEMENTS, SEWERS, GAS, WATER, AND ELECTRIC SERVICE, ADJACENT TO THE SITE.

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- 7 -

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50. SEWAGE DISPOSAL-DRY WELLS.--FULL DATA AS TO DISPOSAL OF SANITARY SEWAGE AND STORM WATER; ALSO WATER FROM SUBSOIL DRAIN, AND WHETHER DRY WELLS ARE USED FOR EITHER SANITARY OR RAIN-WATER DISPOSAL PURPOSES, AND, IF SO, IF SUBSOIL IS SUFFICIENTLY POROUS TO PROPERLY DRAIN THEM; IF DRY WELLS OR CISTERNS ARE IN GENERAL USE, THE USUAL SIZE OF SAME, AND ALSO A DESCRIPTION OF THEIR CONSTRUCTION.

51. PRIVATE SEWER (CUSTODIAN OF SITE).--IF THE ONLY AVAILABLE SUITABLE SEWER IS PRIVATE, THE CONTRACTOR WILL REQUEST THE CUSTODIAN OF THE SITE TO ASCERTAIN WHETHER THE OWNERS WILL PERMIT THE GOVERNMENT BUILDING TO BE CONNECTED TO SAME WITHOUT CHARGE AND, IF NOT, LOWEST OBTAINABLE PRICE FOR (PREFERABLY) THE PERPETUAL USE OF SEWER SYSTEM OR ANNUAL CHARGE FOR SEWER SERVICE AND REPORT THIS DIRECT TO THE SUPERVISING ARCHITECT.

52. SHARING COST (CUSTODIAN OF SITE).--IF NO SEWERS ARE IN EXISTENCE OR CONTEMPLATED, THE CONTRACTOR WILL REQUEST THE CUSTODIAN TO ASCERTAIN AND REPORT TO THE SUPERVISING ARCHITECT WHETHER THE MUNICIPALITY OR RESPONSIBLE CITIZENS ARE WILLING TO PROVIDE IN THE NEAR FUTURE A SUITABLE GENERAL SEWER (COMBINED SANITARY AND STORM WATER) IN THE VICINITY OF THE FEDERAL BUILDING SITE, AND GRANT THE GOVERNMENT THE RIGHT IN PERPETUITY TO CONNECT WITH SUCH NEW SEWER (OR ANY SEWER SYSTEM WHICH MAY BE THEREAFTER SUBSTITUTED THEREFOR) IN CONSIDERATION OF THE PAYMENT OF A REASONABLE LUMP-SUM CHARGE FOR SUCH PERPETUAL RIGHT. THE NECESSARY DATA, SIZE, ETC., RELATIVE TO SUCH PROPOSED SEWER, IF PROPOSED, SHOULD BE GIVEN.

53. CITY REGULATIONS.--A TRANSCRIPT OF OR A PRINTED COPY OF MUNICIPAL REGULATIONS IN REGARD TO SIDEWALK AND CURBS, WATER, PLUMBING, AND DRAINAGE, ELECTRIC CODE, ETC.

54. PHOTOGRAPHS.--HAVE TAKEN AND FORWARD WITH REPORT AT LEAST TWO PHOTOGRAPHS, SIZE 8 BY 10 INCHES, MOUNTED ON CLOTH, TAKEN FROM WIDELY SEPARATED AND WELL-SELECTED POINTS, EACH MARKED ON THE PLAT BY A STAR; PHOTOGRAPHS TO SHOW THE SITE, ALL STREET FRONTAGE THEREOF, AND SOMETHING OF THE SURROUNDINGS. MARK ON PHOTOGRAPHS THE NAME OF THE CITY AND THE DATE.

CAS. A. WETMORE,
ACTING SUPERVISING ARCHITECT.

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