

II. Reconnaissance and Planning Checklist

C-R-S:	PID:	Reviewer:	Date:
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Reconnaissance	
Y N X 1	Based on Section 302.1 in the SGE, have the necessary plans been developed in the following areas prior to the commencement of the subsurface exploration reconnaissance: <ul style="list-style-type: none"><input type="checkbox"/> Roadway plans<input type="checkbox"/> Structures plans<input type="checkbox"/> Geohazards plans
Y N X 2	Based on Section 302.2 in the SGE, has the Geotechnical Red Flag Summary, or in its absence, the resources listed in Section 202 of the SGE, been reviewed as part of the office reconnaissance?
Y N X 3	Have all the features listed in Section 302.3 of the SGE been observed and evaluated during the field reconnaissance?
Y N X 4	If notable features were discovered in the field reconnaissance, were the GPS coordinates of these features recorded?

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Planning - General	
Y N X 5	In planning the geotechnical exploration program for the project, have the specific geologic conditions, the proposed work, and existing subsurface exploration work been considered?
Y N X 6	Have the borings been located to develop the maximum subsurface information while using a minimum number of borings?
Y N X 7	Has the topography, geologic origin of materials, surface manifestation of soil conditions, and any other special design considerations been utilized in determining the spacing and depth of borings?
Y N X 8	Have the borings been located so as to provide adequate overhead clearance for the equipment, clearance of underground utilities, minimize damage to private property, and minimize disruption of traffic, without compromising the quality of the exploration?
Y N X 9	Have any previous geotechnical explorations been utilized to the fullest extent possible?
Y N X 10	Have the scaled boring plans, showing all project and historic borings, and a schedule of borings in tabular format, been submitted to the District Geotechnical Engineer? The schedule of borings should present the following information for each boring:
Y N X	<input type="checkbox"/> exploration identification number
Y N X	<input type="checkbox"/> location by station and offset
Y N X	<input type="checkbox"/> estimated amount of rock and soil, including the total for each for the entire program.
Planning – Exploration Number	
Y N X 11	Have the coordinates, stations and offsets of all explorations (borings, probes, test pits, etc.) been identified?
Y N X 12	Has each exploration been assigned a unique identification number, in the following format X-ZZZ-W-YY, as per Section 303.2 of the SGE?
Y N X 13	When referring to historic explorations that did not use the identification scheme in 12 above, have the historic explorations been assigned identification numbers according to Section 303.2 of the SGE?

Notes:

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Planning – Boring Types	
Y N X 14	<p>Based on Sections 303.3 to 303.76 of the SGE, have the location, depth, and sampling requirements for the following boring types been determined for the project?</p> <p>Check all boring types utilized for this project:</p> <ul style="list-style-type: none"><input type="checkbox"/> Existing Subgrades (Type A)<input type="checkbox"/> Roadway Borings (Type B)<input type="checkbox"/> Embankment Foundations (Type B1)<input type="checkbox"/> Cut Sections (Type B2)<input type="checkbox"/> Sidehill Cut Sections (Type B3)<input type="checkbox"/> Sidehill Cut-Fill Sections (Type B4)<input type="checkbox"/> Sidehill Fill Sections on Unstable Slopes (Type B5)<input type="checkbox"/> Geohazard Borings (Type C)<input type="checkbox"/> Lakes, Ponds, and Low-Lying Areas (Type C1)<input type="checkbox"/> Peat Deposits, Compressible Soils, and Low Strength Soils (Type C2)<input type="checkbox"/> Uncontrolled Fills, Waste Pits, and Reclaimed Surface Mines (Type C3)<input type="checkbox"/> Underground Mines (C4)<input type="checkbox"/> Landslides (Type C5)<input type="checkbox"/> Karst (Type C6)<input type="checkbox"/> Proposed Underground Utilities (Type D)<input type="checkbox"/> Structure Borings (Type E)<input type="checkbox"/> Bridges (Type E1)<input type="checkbox"/> Culverts (Type E2 a,b,c)<input type="checkbox"/> Retaining Walls (Type E3 a,b,c)<input type="checkbox"/> Noise Barrier (Type E4)<input type="checkbox"/> High Mast Lighting Towers (Type E5)<input type="checkbox"/> Buildings and Salt Domes (Type E6)

Notes: