



Clark County Department of Building & Fire Prevention

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Division:	Building Division – Plans Exam	Policy & Procedure:	BD-PP-222
Subject:	Subsurface Drainage Systems	Effective Date:	05/01/2007
Code:	UPC 1101.5	Revised Date:	01/01/2021

A. POLICY

The Southern Nevada Amendments to the IBC requires a geotechnical investigation for all projects greater than 600 SF. This policy shall apply to the plan review requirements for the subsurface drainage design when the geotechnical investigation requires a subsurface drainage system.

B. PROCEDURE

Subsurface drainage systems are mandated by the geotechnical investigation and are an integral part of the scope of work for the foundation design. Therefore, the Geotechnical Plans Examiner shall coordinate the design, review, and installation of the required system, as follows:

- The geotechnical plans examiner shall verify that the subsurface drainage system is included as a part of the scope of the foundation design and review the subsurface drainage system's impact on the structural design of the building.
- The geotechnical plans examiner shall require the geotechnical engineer of record to review all dewatering plans and calculations for conformance to the recommendations of the geotechnical report. The geotechnical engineer of record shall either provide a shop drawing stamp on the dewatering plans or provide a letter for a dated set of plans and calculations.
- The geotechnical plans examiner shall inform the applicant that a discharge permit may be required by the Nevada Department of Environmental Protection (NDEP). This is for informational purposes only. The applicant is not required to have a permanent discharge permit from NDEP prior to the issuance of the building permit. It is the applicant's responsibility to obtain the required permits from the State.
- The geotechnical plans examiner will coordinate with Public Works and require a letter of acceptance from Civil Engineering whenever the subsurface drainage system connects to the Clark County storm drainage system.
- The geotechnical plans examiner shall verify that all special inspection requirements have been entered into Accela. The special inspection of the subsurface drainage system is an item X.
- The geotechnical plans examiner shall coordinate with the plumbing/mechanical plans examiner who is reviewing the collection piping, sump/pumps, discharge piping and has verified all components have been sized to match the engineered design flow rates.
- The geotechnical plans examiner shall coordinate with the electrical plans examiner who is reviewing all the associated electrical work for the subsurface drainage system.

Prepared By: Building Division

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Subsoil Drainage Systems PE-PP-UPC-006		05/01/2007
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