

# Construction Risk Issues

is one of the riskiest,
most complicated, and
most sophisticated
forms of lending.









# Construction Risk Issues

To minimize these risks, lenders must control and monitor the process of construction lending, including:

- Budget
- Completion
- ✓ Take-out Failure
- Document Compliance









# Risk Mitigation

Risk is mitigated through

Proper underwriting

• Highly diligent loan administration











# Risk Mitigation

To manage these tasks, a lender will typically retain the following:

- Attorney
- **Appraiser**
- Construction Consultant
- **Environmental Consultant**
- Insurance Consultant













# Goal of Construction Review:

To verify that the developer has thoroughly built the project on paper before it is initiated on-site.









# The role of the construction consultant

Part I: Pre-Construction Phase

Part II: Construction Phase







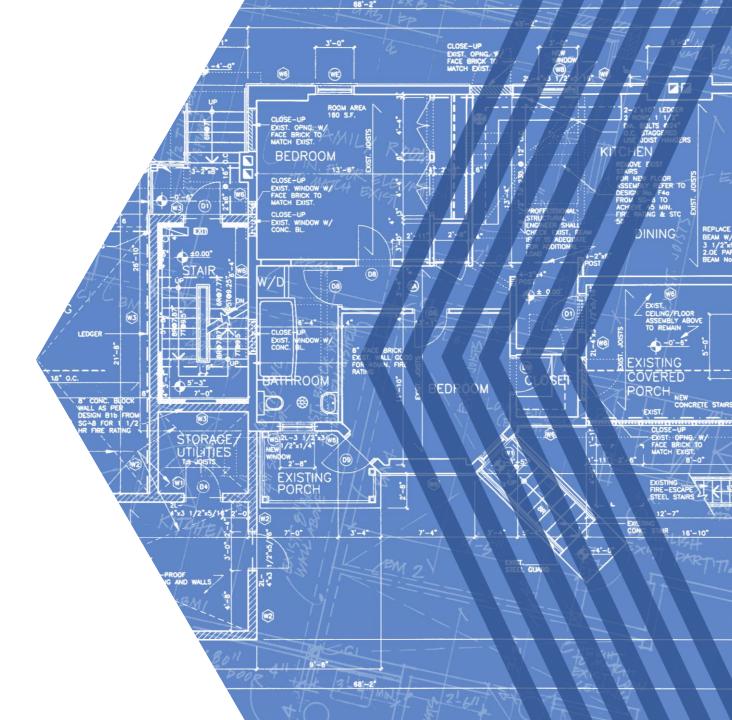






# Part I: **Pre-Construction** Phase

Consultant will review the construction documents, as well as provide underwriting assistance.











#### Part I: Pre-Construction Phase

# Consultant Responsibilities

- Review of Drawings and Specifications
- Analysis of the Developer's Team
- Review of Contracts, Agreements, and Risk Mitigation
- Review of Permits and Approvals
- Review of Construction and Disbursement Schedule
- Review of Construction Related Documentation
- Direct Cost Budget Analysis
- Preparation of a Document and Cost Review
- Release of Final DCR









# Review of Drawings / Specifications

- Stage of development:
  - Schematic Design
  - Design Development
  - Construction Documents
- Same set of drawings for lender and contractor
- Coordinated to mitigate change orders and delays
- General compliance with commonly accepted practices and difficult details to field execute
- Acceptance by end-user









#### Developer's Team Analysis Pre-Construction Phase

Developer experience with product

Designer experience with product

• Team experience with developer, designers, contractor, subs, etc.

- Developer's in-house team
- Review of architect and contractor qualification statements
- Workforce to be utilized (union, non-union, or open shop)



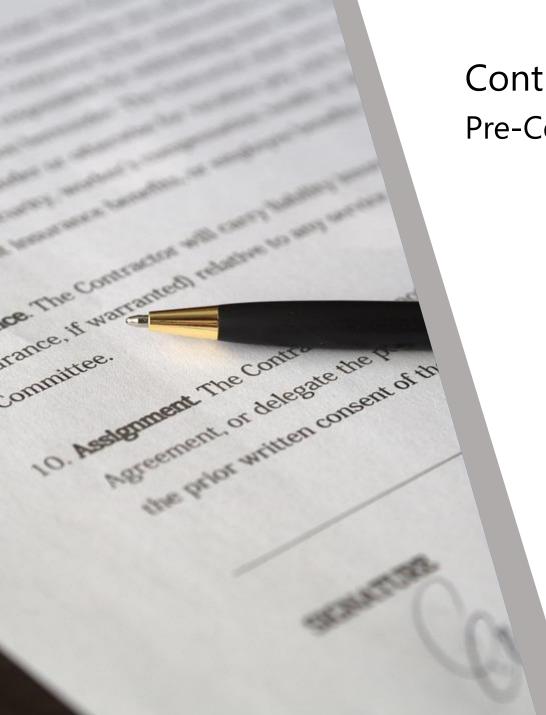












#### Contracts, Agreements, Risk Mitigation **Pre-Construction Phase**

- Prime Construction Agreement
  - Lump Sum/Stipulated Sum
  - Construction Management as agent
  - Construction Management with GMP
  - Design/Build
  - Owner/Builder
- Subcontracts
- Bonding
  - Performance Bond
  - Labor and Material Payment Bond
  - Additional obligee riders











Contracts, Agreements, Risk Mitigation **Pre-Construction Phase** 

- Subcontractor Default Insurance (SDI)
  - Project Attaching
  - Subcontractor Attaching
- Design agreements and professional liability insurance
- Project labor agreements
- Municipal agreements
- Building loan agreements
- Lease agreements
- Take-out lender/end-user agreement









# Permits and Approvals

- Zoning and planning approvals
- Utility approvals
  - Existing
  - New
- Building department approvals
  - Sheeting/shoring
  - Foundation
  - Building
- Historical commission approvals
- Offsite work approvals





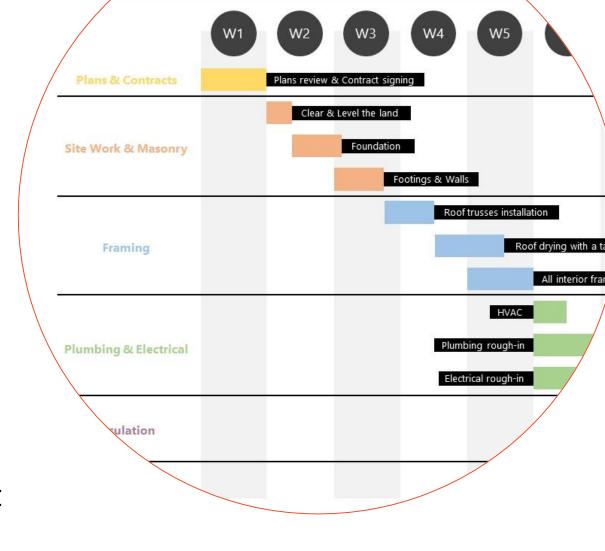






### Schedules **Pre-Construction Phase**

- Developer project schedule
- Contractor schedule
- Disbursement schedule
- Stored material and deposit schedules













#### Construction Documentation

**Pre-Construction Phase** 

- Surveys
- Geotechnical reports
- Accessibility reports
- Phase I ESA report
- Green Rating System (LEED, NGSB, WELL, etc.)











(a) (b) (b) PARTNER

# Hard Cost Budget Analysis

- Review of developer and contractor budget
- Third-party/independent cost estimates
- Status of contract documents
- Status of trade subcontractor and material supplier "buy-outs"
- Use of bonding/SDI
- Review of agreements, proposals, and letters of intent
- Hard cost contingency budget adequacy









#### **Pre-Construction Phase**

# Contingency Budgets

#### **Owner**

#### **Expect**

New ground up 3 - 5% Renovation 8 - 12%

Increase % when project lacks permits, documents incomplete, historic / old project, occupied and/or complex project

#### **Contractor**

#### **Expect**

Lump Sum - Not disclosed, carried in trade line items

Cost-Plus – None

Cost-Plus with GMP - Disclosed but should not be higher than 2 to 3%









# Document and **Cost Review**

**Pre-Construction Phase** 

 Project Budget and Schedule Review (PBR)

Document and Cost Review (DCR)



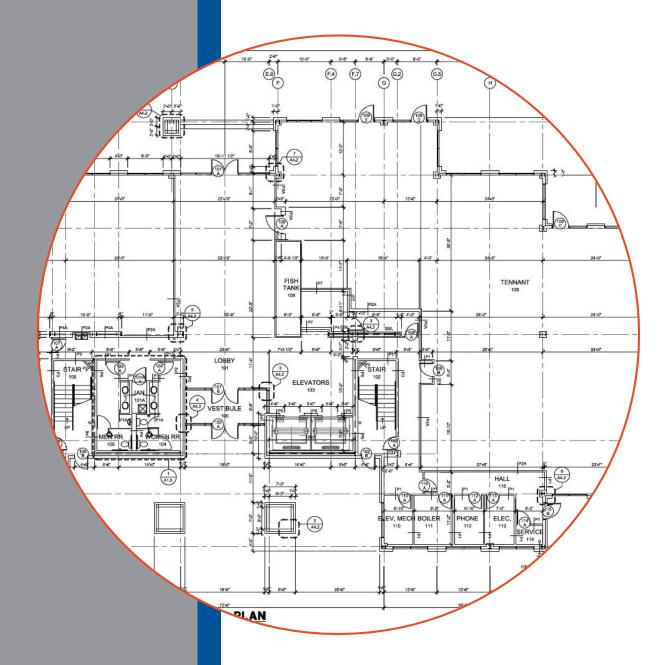












# Release of Final DCR

- Executive Summary
- Project Description
- Opinion of Drawings and Specifications
- Opinion of Project Agreements
- Opinion of Project Budgets
- Opinion of Project Schedules
- Status of Permits/Approvals
- Items of Concern









#### **Contact Bob**

rbarone@partneresi.com | 914-222-8007

#### Visit our Construction Risk Management web page

https://www.partneresi.com/services/construction-risk-management

#### Follow us for industry news & updates:















