SiteVoice Master PRD (Consolidated)

1. Project Vision

SiteVoice is a "Virtual Project Coordinator" designed to bridge the visibility gap between construction field workers, managers, and project owners. It converts high-friction voice data into actionable construction management records.

2. User Personas

1. **Field Unit (Worker):** Needs low-friction reporting and task clarity. Operates via voice.

2. **Manager (Builder):** Controls site orchestration, staffing, and project health. Operates via triage and curation.

3. **Owner (Client):** Needs high-level transparency on progress, plans, and finances. Operates via approvals and awareness.

3. Core Functional Modules

3.1 Field Unit Module (The Capture Loop)

- **Hero Recorder:** Central high-utility voice capture button.

- **Validation Gate:** A verification step where the AI summary is shown to the worker for a one-time "Edit or Confirm" action before committing to the site record.

- **Operational Tabs:**

  - *Directives:* Incoming tasks/instructions from the manager.

  - *My Logs:* A personal chronological history of sent logs and their status.

3.2 Manager Hub Module (The Orchestration Engine)

- **Project Lifecycle Kanban:** Three-stage triage:

  - *Validate:* Reviewing new incoming worker logs.

  - *Active:* Current operational focus items.

  - *Verify:* Tasks awaiting "Proof of Work" (photo) or sign-off.

- **Workforce Directory:** * Team members grouped by site assignment.

  - "Shared" members visible across multiple projects.

  - Onboarding flow capturing Name, Role, Email ID, and Persona Type (App vs WhatsApp Bridge).

- **Site Management:** Register new sites with Smart Category Entry (AI-driven milestone suggestions based on project type).

3.3 Owner Portal Module (The Transparency Layer)

- **Vertical Timeline:** A sophisticated construction sequence showing completed, active, and upcoming stages.

- **Blueprint Gallery:** Access to agreed-upon architectural designs and engineering plans.

- **Financial Pulse:** Contract-level view showing Total Value, Paid-to-date, and Stage-wise billing schedules with due dates.

3.4 Change Management Module (The Governance Bridge)

- **Request Engine:** Manager can formally request "Change Approvals" for Budget, Design, or Scope.

- **Decision Inbox:** Owners receive requests with "Cost Impact" and "Visual Proof" for digital sign-off.

- **Audit Trail:** Immutable record of all approvals stored in the historical ledger.

4. Design Identity

- **Primary Color:** Industrial Teal (`#006064`) - Professional and authoritative.

- **Accent Color:** Safety Amber (`#FFC107`) - Represents field activity.

- **Surface:** Neutral Grays (`#F4F4F4`) with "Blueprint Blue" accents (`#E1F5FE`).