



## Categorical Exclusion Approval and Decision to Implement

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**Project Name:** Resurface Crissy Field Promenade and Repair East Beach Parking Area  
**PEPC Project Number:** 63094  
**Project Record Location:** GGNRA Environmental Compliance Office Fort Mason, Bldg 101 S.F. 94123  
**Project Description:** See Attachment A

**Introduction:** This memorandum with attachments, and the information in the project record, documents and completes the National Environmental Policy Act (NEPA) review and requirements for implementing the Resurface Crissy Field Promenade and Repair East Beach Parking Area project.

**Categorical Exclusion:** On the basis of the impact assessment in Attachment A, park interdisciplinary review, public review and comment, and the information in the project record, this project is Categorically Excluded (CE) from further NEPA analysis in accordance with NPS Director's Order #12 (D0-12), Sections 3.3:

C.9 Repair, resurfacing, striping, installation of traffic control devices, repair/replacement of guardrails, etc., on existing roads.

C.11 Minor trail relocation, development of compatible trail networks on logging roads or other established routes, and trail maintenance and repair.

Additional supporting information for this determination is in the following attachments and decision file:

- Attachment A: Resurface Crissy Field Promenade and Repair East Beach Parking Area (Project Information; Background; Purpose, Need, and Objectives; Development of Proposal; Actions to be Implemented; Options Previously Under Consideration; Land Management Plan; Impact Assessment; NHPA Section 106 Compliance; Summary of Public Comment; Decision/Implementation Process)
- Attachment B: Pre-Proposal Public Scoping Summary
- Attachment C: Public Comment Summary and Response to Comments
- Attachment D: Design Documents
- Attachment E: Letter of NHPA Section 106 Compliance Completion and Assessment of Actions Having an Effect on Historic Properties

**Final Agency Decision:** The Final Agency Action is described in Attachment A (Section E. Actions to be Implemented).

**CE Approval and Decision to Implement:** On the basis of my review of the environmental impact analysis, public comment, and all information in this decision file, I find that the action fits within the categorical exclusions above. Therefore, I am categorically excluding the described project from further NEPA analysis. No extraordinary circumstances in Section 3.5 of Director's Order 12 apply. I approve this action to be implemented.

Christine Lehnertz, General Superintendent  
Golden Gate National Recreation Area

May 26, 2016  
Date

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National Park Service  
U.S. Department of the Interior

Golden Gate National Recreation Area  
Date: 5/26/2016

## ATTACHMENT A

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### **Resurface Crissy Field Promenade and Repair East Beach Parking Area**

**(Project Information; Background; Purpose, Need, and Objectives;  
Development of Proposal; Actions to be Implemented; Options  
Previously Under Consideration; Land Management Plan; Impact  
Assessment; NHPA Section 106 Compliance; Summary of Public  
Comment; Decision/Implementation Process)**

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## ATTACHMENT A

# Resurface Crissy Field Promenade and Repair East Beach Parking Area

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### A. PROJECT INFORMATION

Park Name:	Golden Gate National Recreation Area
Project Title:	Resurface Crissy Field Promenade and Repair East Beach Parking Area
PEPC Number:	63094
Project Location:	Crissy Field, San Francisco, CA
County, State:	San Francisco County, California
Administrative Record Location:	Fort Mason, Bldg 201; San Francisco, CA 94123

### B. BACKGROUND

To celebrate the 100th anniversary of the National Park Service, a Centennial Challenge Project Program was created to fund deferred maintenance throughout the national park system. The Golden Gate National Recreation Area received one of the largest Centennial Challenge awards this year to repair the Crissy Field Promenade and complete minor repairs at the East Beach Parking Area. The \$2.5 million award is being matched by donations from the Evelyn and Walter Haas, Jr. Fund and members of the Golden Gate National Parks Conservancy.

Crissy Field is located at the northern waterfront of the Presidio of San Francisco, within the boundaries of Golden Gate National Recreation Area (GGNRA). Jurisdiction of the Presidio is shared between the

National Park Service (Area A) and the Presidio Trust (Area B), an independent federal agency. Crissy Field is in Area A and managed directly by the GGNRA.

The original Crissy Field rehabilitation was completed in 2001 and included restoration and rehabilitation of various landscapes as well as construction of the Promenade and East Beach Parking Area. Use of the site, including the Promenade and parking areas, has been a very popular destination and now needs refurbishing because they are reaching the end of their useful life. The Promenade and East Beach Parking Area are now in fair to poor condition due to heavy public use, popularity, and years of degradation.

The Crissy Field Promenade is the major east-west trail traversing the 100-acre Crissy Field site and serves as the primary connector between the East Beach, Marsh, Airfield, and West Bluff. The Promenade provides users with views of the San Francisco Bay, Golden Gate Bridge, GGNRA locations across the bridge, and the city skyline. It is an important link along the northern waterfront of the 400+ mile regional San Francisco Bay Trail. The 1.5 mile long, twenty-foot wide trail attracts over 1.2 million visitors each year who move through the various park landscapes. The multi-use trail is used by walkers, joggers, and bicyclists traveling between the Marina and the West Bluff at Crissy Field, including a large percentage of tourists on rental bicycles traveling toward the Golden Gate Bridge. The GGNRA proposes to resurface the promenade with a durable compacted shale material that will be similar in appearance and texture to the existing surface but is expected to perform better over time.

The East Beach Parking Area is the most frequently used parking area for visitors arriving by vehicle to Crissy Field. The Promenade and parking area serve the Crissy Field Center at East Beach, which serves a diverse local youth population as a dynamic hub of youth engagement that reaches approximately 20,000 young people each year. At the parking area, the project will seal and restripe the existing paved area, rehabilitate the planting areas at the northern edge of the parking area, and improve pedestrian pathways around the restroom. There will be no changes to the number or configuration of parking spaces.

## **C. PURPOSE, NEED and OBJECTIVES**

### **Purpose and Need:**

Fifteen years since the original Crissy Field rehabilitation, the promenade surface is in need of repair and requires frequent maintenance. The parking area, a combination of paved spaces and unmarked turf spaces at East Beach is a heavily used parking area at Crissy Field.

The purpose and need of this project are to address critical repairs and deferred maintenance. These repairs will maintain access; eliminate areas in disrepair; provide for another 10-15 year lifespan; improve visitor experience and safety; and decrease future maintenance requirements at the Promenade and East Beach Parking Area while being responsive to changed conditions and visitor activities since the project was first implemented.

#### *Maintain Access*

The promenade is currently considered an accessible surface; however, there are puddles and damp areas following storm events. These damp and wet areas leave a limited accessible pathway and increase congestion in busy areas. Parking is often full on busy weekends and lacks clear pedestrian walkways through the parking area. The striping on the paved areas has faded and there is general wear and tear in the parking areas.

#### *Eliminate Areas of Disrepair*

The surface of the promenade has degraded over the last 15 years because of high use and weather conditions. NPS maintenance staff repair patches to the promenade as needed, however, the original

decomposed granite material is in disrepair. The promenade no longer drains well and puddles remain for several days after storm events.

*Provide for another 10-15 year lifespan*

The existing decomposed granite which makes up the trail tread of the Promenade is in need of replacement. The lifespan of the proposed compacted shale material is expected to be between 10-15 years.

*Improve Visitor Experience and Safety*

Poor drainage along the promenade contributes to a negative experience for the various user groups. Large puddles or wet areas limit the amount of space users have to recreate along the promenade.

*Decrease future maintenance requirements*

The promenade surface is at the end of its useful life. GGNRA maintenance staff patches the existing promenade where there are areas of disrepair. Due to drainage challenges, there are several areas that are frequently wet. Near the northwestern end of the promenade, the existing rip rap that lines the outer edge of the promenade will be replaced with larger stones. The changes in the drainage, trail material, and edging will improve the lifespan of the promenade. The proposed material should last another 10-15 years, which is an appropriate lifespan given the future uses of the promenade.

**Objectives:**

A successful project will:

**Promenade:**

- Install new promenade surfacing and base material to reduce drainage issues
- Regrade the promenade as needed to create positive drainage
- Improve maintainability
- Maintain safe and accessible surface
- Enhance the rip rap edge between the NOAA campus and the Warming Hut
- Better define the pedestrian pathways at the northern end of the promenade

**Parking Area Improvements**

- Accommodate parking for 400 cars, which remains the same as the current parking count and the current condition
- Rehabilitate the existing planted areas between the promenade and East Beach parking to separate the promenade from vehicles
- Improve pedestrian pathways around the restroom
- Upgrade picnic facilities at restroom to meet accessible standards
- Continue to support diverse recreational uses, including boardsailing and picnicking

**D. DEVELOPMENT OF PROPOSAL (PRE-PROPOSAL SCOPING)**

Interdisciplinary Teams began meeting in February 2016 to develop the design, communications plan, compliance pathway, and refine the project budget for the Centennial Challenge Project. Multi-disciplinary teams met weekly or monthly and included representatives from the National Park Service and Golden Gate National Parks Conservancy. The design team met with CMG, the project's Landscape Architecture consulting firm, to develop and review alternatives for the parking area and promenade. Primary project alternatives focused on the Promenade surface material and the East Beach Parking Area layout where the project team focused on the percentage of paved/unpaved parking spaces; the location and layout of the paved parking and turf parking; the treatment of the buffer zone between the north edge of parking and the Promenade; and the functionality of changes given recreational uses.

The team held two public walks, the first on Wednesday March 16, 2016 and the second on Saturday March 19, 2016. There were between ten and twenty attendees at each walk. Attendees included members of the boardsailing community, promenade walkers, dog walkers, and other recreationists. The Project team followed up with interested stakeholders who were unable to attend the site walks.

The project team considered the comments from stakeholders and public meeting attendees and updated the schematic design to incorporate their feedback. (See Attachment B for a summary of the comments received from the public during the scoping walks, and associated NPS responses.)

Project managers brought this project to the internal park disciplinary team at project review. This included one meeting for internal scoping and a second for internal approval. All recommendations and conditions assigned have been met prior to final superintendent signature.

## **E. ACTIONS TO BE IMPLEMENTED**

The project team has developed a proposal to repair the Crissy Field Promenade and East Beach Parking Area. This project is based on what the NPS has determined best meets the project's purpose, need and objectives. Following the two week public comment period, comments were read, analyzed, and the project scope has been modified in response to public input and refined cost estimates. The new proposed action encompasses the most needed actions consistent with deferred maintenance standards and meets the project budget.

The staging plan provides the contractor with the possible location for staging areas as well as information on truck routes. This staging plan was shared with park maintenance and the special events group. As staging locations and project phasing is refined, the project team will share updates with park staff as well as the public. The Crissy Field Promenade and East Beach Parking Area proposal consists of the following main elements:

### **1. Replacement of the promenade material and repair of drainage**

The NPS proposes to replace the existing decomposed granite trail tread and subbase with a compacted shale material and to improve drainage. A similar material has been used in other locations in the park and has proved to be successful. The project team evaluated a range of possible surfaces considering durability, reparability (when the surface does need replacement, how easy it is to replace with new material) and maintenance, appropriateness for visitor activities, compliance with accessibility and stability requirements, installation constraints, and aesthetics. The proposed material holds up well to heavy use, as demonstrated in various park sites. It will be similar in appearance and texture to the existing surface. A stabilizing product will be used in the compacted shale, which will hold the material together better than without an additive. Wayfinding signage along the promenade will be replaced with updated signs that meet current park design standards. The existing small wood bridge at the lagoon would not be repaired or replaced.

The NPS proposes to make drainage improvements along the length of the Promenade in order to create positive drainage. The general drainage patterns will remain the same along the length of the promenade, but the surface will direct storm water off the promenade and into drains and swales adjacent to the promenade. Existing drains near the marsh will be re-used and new drainage features will be installed along the promenade at the airfield.

The pathways surrounding the Warming Hut do not drain well and the ramp that leads into the building is in need of replacement. NPS proposes to replace the pathways with the same material as proposed along the promenade. In order to achieve accessible grades around the Warming Hut, NPS proposes to re-grade the entrance and to add a concrete band around the building and into the entrance. This will create an accessible route from the ADA parking spaces into the building.

This change will require an adjustment to the promenade elevation and the addition of a low curb along the existing sea wall.

Rip rap currently lines the eastern edge of the promenade south of the Warming Hut. NPS proposes to make enhancements to this existing rip rap edge in order to extend the lifespan of the promenade. Smaller stones will be replaced with larger stones to support the promenade edge and strengthen the promenade during wave run up events.

## **2. Repairs of the East Beach Parking**

The existing parking area at East Beach accommodates 400 vehicles. This includes the paved parking area (178 spaces) and the informal turf area (156 reinforced turf spaces and 66 event turf spaces). East Beach Parking is accessed by a two-lane entry drive and a two-lane exit drive that connect from the south at Mason Street. The East Beach Parking Area would maintain the existing entry and exit drive aisles.

NPS proposes to make minor repairs at the East Beach Parking Area in order to increase the lifespan of the paved asphalt areas. The layout of the paved parking area and informal turf areas will not change as part of this proposed project. Pedestrian walkways and connections across the parking area will be defined with striping and the asphalt areas will be re-sealed and re-striped. A new pedestrian walkway between the planting areas and the northern edge of the parking area will delineate the pedestrian route to the promenade. New stop signs will be installed at the entry and exit drive intersections to improve safety. Pathways that connect the parking area to the restroom will be paved to comply with accessibility standards. Upgrades will be made to the existing picnic tables and grills.

The current buffer is between 8 – 10 feet wide and the vegetation is no longer thriving due to drifting sand and overuse by visitors. The planted buffer receives high visitor traffic and does not create a noticeable separation between the parking and promenade. NPS proposes to improve the existing planted areas by removing the existing sand, re-planting with a durable plant material, and improving irrigation. These planting areas will continue to serve as a separation between the parking area and the promenade.

## **F. OPTIONS PREVIOUSLY UNDER CONSIDERATION**

Based on public comments and updated cost estimates, the scope has been refined to encompass the most needed actions consistent with deferred maintenance standards and meets the project budget. See Section J “Summary of Public Comment” and Attachment C “Public Review and Comment” for more information about public feedback on the project proposal and associated NPS responses. Some of these elements that are no longer part of this proposed project include widening sections of the promenade to 30’ wide, shifting the parking area away from the beach edge, enhancing planting areas, and expanding the paved parking area. The elements which have been removed from the scope of this deferred maintenance project may be addressed at a later date and will incorporate an extensive public outreach process. These actions would be subject to applicable environmental and public review at that time.

## **G. LAND MANAGEMENT PLAN**

Land management guidance for the project area is described in the Presidio General Management Plan Amendment (GMPA 1994). A summary of the GMPA land management guidance is as follows:

*Crissy Field will become a “front yard” for the Presidio. The bay, the long stretch of shoreline ideal for all forms of movement and recreation, and the impressive views all contribute to*

*experiences that draw visitors from throughout the world to this site. Crissy will be managed to enhance the setting for those experiences.*

*The Golden Gate promenade (Bay Trail) will be realigned, resurfaced, and made a continuous route from Marina Gate on the east to Fort Point on the west. Access to the water will be channeled along designated paths. The promenade will accommodate many recreational activities including walking, jogging, dog walking, and bicycling. Boardsailors will use the offshore waters at the east end of the promenade and access to the beach will be provided for them with nearby parking and rigging areas (actions consistent with the 1988 Crissy Field Site Improvements Environmental Assessment).*

*Parking for Crissy Field activities will be in areas convenient to popular destinations and will be sited and landscapes to be as unobtrusive as possible. Some parking may be phased in to meet ultimate demand estimates. Permeable pavement substitutes may be utilized to provide low-impact parking surfaces. A drop-off area will be provided for boardsailors; (p.92) Provide drop-off and staging area with restrooms for boardsailing and other waterfront recreation activities (jogging, picnicking) at East Beach; parking for these users will be a sufficient distance from the beach to allow natural sand migration in the future.*

The proposed action is consistent with the GMPA’s land management guidance.

## **H. IMPACT ASSESSMENT**

The following section describes the impacts of the NPS proposed action and options under consideration. The NPS has preliminarily determined the actions proposed herein would not cause “significant adverse effects” requiring an Environmental Assessment (EA) or Environmental Impact Statement (EIS) and meets the requirements of a Categorical Exclusion under NPS NEPA guidelines Directors Order 12 (DO-12).

### **1) Existing Conditions**

The Centennial Challenge Project proposes to make repairs of existing facilities at Crissy Field in Area A of the Presidio. The existing promenade is twenty feet wide and is made of a decomposed granite surface. The promenade is open to pedestrians and bicyclists. The Parking Area consists of paved and unpaved spaces at the East end of Crissy Field. This parking area serves many user groups such as dog walkers, board sailors, picnickers, beach goers, and other recreational users.

### **2) Summary of Proposed Changes from Baseline (Existing) Condition**

The table below summarizes the program elements that would change with the final program.

<b>Project Element</b>	<b>Existing Condition (2016)</b>	<b>Proposed Change</b>
Paved Parking	178 spaces	178 spaces, re-striped
Unpaved Parking	222 turf/dirt spaces	No change
Total parking spaces	400 spaces	No change
Planted area between the promenade and East Beach parking	14’-16’ wide	9’ wide, replanted, improved irrigation
Pedestrian pathways, East Beach restroom	Decomposed granite	Concrete
Promenade material	Decomposed granite	Compacted shale with a stabilizer
Promenade width	20’ wide	No change

### 3) NPS Screening Form (ESF)

The NPS uses the ESF to conduct a screening level impact assessment to identify environmental impacts that may require an Environmental Assessment (EA) or Environmental Impact Statement (EIS).

#### A. Resource Effects to Consider:

<p><b>Air - Air Quality</b> <i>Air Quality</i></p>	<p><b>Issue:</b> Air quality could be impacted during construction. Impacts such as grading and transporting material will be controlled by BMPs such as dust control, covering soils. Bare soils will be vegetated at end of construction. <b>Impact:</b> Non-Significant Short term construction impact</p>
<p><b>Biological - Vegetation</b> <i>Nonnative or exotic species</i></p>	<p><b>Issue:</b> Plant palette will include native plants that will not be invasive or have the potential to hybridize with existing native plants. <b>Impact:</b> Non-Significant</p>
<p><b>Geological - Geologic Processes</b> <i>Shoreline</i></p>	<p><b>Issue:</b> The promenade runs near the shoreline at the northern edge of the project. The existing rip rap along the outside edge of the promenade, south of the Warming Hut, will be replaced with larger stones. <b>Impact:</b> Non-Significant – replacement of rip rap</p>
<p><b>Other - Human Health and Safety</b> <i>Safety</i></p>	<p><b>Issue:</b> A new pedestrian walkway along the northern edge of the parking area will provide a clear pedestrian walkway for visitors separate from the parking area. New striping patterns crossing the parking aisle will delineate pedestrian walkways. <b>Impact:</b> Non-Significant Improvements to public safety</p>
<p><b>Visitor Use and Experience - Recreation Resources</b> <i>Visitor Experience</i></p>	<p><b>Issue:</b> The improvements to the parking area and promenade are intended to improve visitor experience. <b>Impact:</b> Non-Significant</p>
<p><b>Water - Water Quality or Quantity</b> <i>Water Quality and Quantity</i></p>	<p><b>Issue:</b> Runoff from promenade will be directed toward existing drain lines, new drain pipes, and to vegetated swales. <b>Impact:</b> Non-Significant</p>
<p><b>Sea Level Rise – Climate Change</b></p>	<p><b>Issue:</b> While sea level rise and climate change are a concern for GGNRA, there is a low probability that the effects of sea level rise will be significant impact on the promenade during the lifespan of this repair. While storm events may cause run up from wave action in some locations along the promenade, sea level rise is expected to have minor impacts to the promenade and parking area over the lifespan of this project <b>Impact:</b> Non-Significant</p>

## B. Park Specific Environmental Screening Questions

Question	Answer	Notes
1. Adversely affect historic fabric, vegetation, terrain or setting?	No	Dune swale will not be altered.
2. Change historic ground cover or vegetation?	No	
3. Introduce non-historic elements (visible, audible or atmospheric) into a historic setting, structure or environment?	No	The East Beach Parking Area is an existing parking lot.
4. Reintroduce historic elements in a historic setting or environment?	No	
5. Are there any archaeological resources in the project area?	No	
6. Maintain, create or change a public or employee safety or health hazard?	Yes	Visitor and employee safety will be improved with delineated pedestrian walkways in the parking area. Tripping hazards along the promenade will be removed.
7. Compromise slope stability?	No	
8. Change the pattern of surface water flow, alter hydrologic processes or affect erosion?	Yes	Runoff from promenade will be directed toward existing drain lines, drain pipes, and to vegetated swales.
9. If there is ground disturbance, is it greater than one acre?	Yes	Because disturbance will be over 1-acre, a stormwater pollution prevention plan will be developed.
10. Affect park trails or trail usage?	Yes	The Promenade is used by over 1.2 million visitors each year. The replacement of the promenade will beneficially impact visitors by improving accessibility, visitor experience, and maintenance. Visitors will experience some detours and closures during construction.
11. Affect current or planned visitor services, recreation resources, access or available parking?	Yes	Project will improve the surface conditions of the promenade. Available parking will remain the same number and location as the existing parking.
12. Change congestion levels, traffic volumes or traffic safety conditions for vehicles, pedestrians or bicyclists?	Yes	As a result of this project there will likely be no change in congestion or traffic volume as the parking layout remains the same. Safety conditions in the parking lot will be improved with the addition of stop signs and delineated pedestrian walkways.

13. Change or impede accessibility?	Yes	Project will improve accessibility with new walkways to connect the parking to the promenade. Promenade surface will remain accessible.
14. Change the demand for police or emergency services or create an attractive nuisance?	No	
15. Changes dark conditions, natural night skies or glare?	No	No changes in lighting to occur as part of this project.
16. Alter scenic features, viewsheds, be visually intrusive or add to a degraded visual condition?	No	The asphalt surfacing of the parking lot will not change. The color of the promenade material will be slightly darker than the existing material. This will not likely have a negative impact on the visual condition.
17. Involve handling/storage of hazardous substances or work in areas of possible contamination?	No	
18. Change the level of emissions from vehicles or increase other air pollutants?	No	
19. Change the amount of resource use (water, fuel) or waste generated?	No	
20. Involve issues of concern for park neighbors or organizations or generate media attention?	Yes	Project has received some media attention. Project team has met with stakeholders and interested public during site walks.
21. Affect long-term management of resources?	No	
22. Set a precedent within GGNRA?	No	
23. Will the proposed action(s) require removing, changing, relocating, replacing, and/or adding signs?	Yes	Wayfinding signage along the promenade may be replaced as part of the promenade replacement.

#### 4) Issues and Concerns

The following issues and concerns have been raised consistently regarding the Centennial Challenge Project repairs. This section provides an assessment of the impacts of how the final NPS action compares to the baseline existing condition. This assessment informs NPS decision-making.

##### *Public Access and Visitor Experience*

Existing Conditions: Public access to the San Francisco Bay shoreline is unfettered along the entire Presidio shoreline from East Beach to Ft. Point. Direct contact with the bay is possible in most locations, except where protective bulkheads or riprap make access difficult or impossible. East Beach provides access to a highly regarded board sailing area offshore and is the starting point for many users of the Golden Gate Promenade that extends between East Beach and the

Warming Hut near Ft. Point. Visitors to this area come as individuals, as families, and as part of private and commercial tour groups, and educational groups (schools, summer programs, youth groups, fitness groups, and after-school programs, etc.). The Crissy Field area is busy as early as 4 a.m. with a variety of visitors, including joggers, cyclists, pedestrians and roller bladers. The East Beach Parking Area is the most frequently used parking area for visitors arriving by vehicle to Crissy Field. Much of the existing parking consists of informal turf spaces that are heavily used particularly on weekends and warm days. The Promenade and parking area serves the Crissy Field Center at East Beach as well other popular activities conducted in the area include hiking, jogging, water sports, bike riding, wildlife viewing, dog walking, picnicking, sightseeing, sun bathing, stewardship opportunities, and interpretive and educational opportunities.

Conditions with Project: At the parking area, the project will include repairs to the existing paved area while retaining the same number of total parking spaces. Visitor access and activities will remain unchanged with the implementation of the project. Pedestrian circulation would become easier with additional defined pedestrian walkways along the northern edge of the parking area, through the parking lot, and around the restroom at East Beach. Visitor experience would be enhanced from improved conditions at the parking area and improved circulation.

### *Traffic and Parking*

Existing Conditions: The most direct route for people to reach the East Beach parking location is via Marina Boulevard to Mason Street from the east, or via McDowell Road to Mason Street when arriving from the west. Halleck Street will also be used when completed as part of the Doyle Drive Project and will be the most direct route to the East Beach parking lot from the core area of the Presidio.

Access to East Beach parking is by way of an entrance driveway heading north (bay ward) from Mason Street. The parking area exit driveway is slightly over 220 feet west of the entrance driveway. These driveways are outside of the project area and changes are not proposed to the drives at this time. The parking area is separated from Mason Street between Marina Boulevard and the entrance driveway by a grove of cypress trees planted in rows at 45 degrees to the road, and between the entrance driveway and west of the exit driveway by landscape berms. Traffic entering and exiting the parking area is not restricted with regard to turning movements from and into Mason Street. Mason Street includes two bike lanes, and is bordered on the north by a 15-foot separated path striped for bicycle and pedestrian use.

The East Beach parking area, a combination of paved spaces and unmarked turf spaces at East Beach is the most heavily used parking area at Crissy Field. East Beach has parking for 400 cars. Paved parking is available for 178 cars and unpaved (overflow) parking is sufficient for 222 cars. The striped paved parking area provides two rows of perpendicular parking and is arrayed along the south side of Golden Gate Promenade. Golden Gate Promenade is a 20-foot wide path separating the parking from the beach and extends from East Beach to the Warming Hut near Ft Point. A large turf-covered area used for overflow parking is located south of the paved parking. This overflow area is used when demand for parking is high, such as during special events and on summer weekends. The overflow parking surface is turf, planted in soil mixed with fiber reinforcement overlaying a buried drainage system. This area is open with no indication of individual parking spaces; users park at will. Typically, parking in this area is oriented in the same direction as the paved parking abutting it.

Conditions with Project: The project will seal and restripe the existing paved asphalt areas including the entry and exit drives and the existing parking area with designated parking spaces. No changes will be made to the width or location of the entry and exit drive. Informal dirt and lawn parking areas will remain unchanged as part of this project. Implementing the proposed action would have no change on the location or quantity of parking spaces.

*Permeable vs non-permeable surface area*

There will be very little change to the total area of permeable vs non-permeable surface area. The existing promenade will be replaced with a similar material with minor adjustments near the Warming Hut. The East Beach parking footprint will not change. The following table shows the changes in permeable surfaces pre and post construction.

Location/construction	Impermeable	Permeable
East Beach Pre-construction	134,204 sq ft	89,765 sq ft
East Beach Post construction	139,363	84,606
Promenade Pre-construction	111,972	24,087
Promenade Post-construction	111,972	24,087
West Bluff Pre-construction	15,499	15,010
West Bluff Post construction	15,537	14,970

As the project area is greater than one acre, the park will prepare and implement a Stormwater Pollution Prevention Plan (SWPPP).

*Public Safety*

Existing Condition: The Crissy Field Promenade is a multi-use accessible trail that runs from the Presidio’s eastern boundary for 1.5 miles towards the west, culminating at the Warming Hut and additional trails leading to Fort Point National Historic Site and the Golden Gate Bridge. Users include pedestrians and cyclists, and the trail accommodates local, national and international visitors – use is estimated at over 1.2 million visitors annually. The trail is 20 feet wide with a shoulder that varies between one and ten feet wide, and consists primarily of a decomposed granite surface; it also includes a small wood bridge at the lagoon (as the bridge is in good condition, it is not included in the proposed project improvements). The Promenade trail tread has degraded during the past 15 years, and there are several areas that no longer drain properly.

Condition with Project: New surface material on the promenade and parking areas would create a firm and stable surface that has fewer tripping hazards. By defining pedestrian walkways across the parking lot, establishing a walkway along the northern edge of the parking area between the vehicles and the existing planting areas, and improving walkways around the restroom there would likely be a reduction in conflicts between the user groups.

*Stormwater Runoff*

Under the proposed project, improvements to the promenade will utilize the existing drains and general drainage patterns. By altering the subgrade and promenade material, the promenade will drain faster; decreasing the length of time that standing water is on the promenade. Additional drainage features near the airfield will improve drainage patterns.

*Park Operations and Sustainability*

Existing Conditions: The promenade requires regular maintenance to address poor drainage and uneven surface conditions.

Conditions with Project: While sea level rise (SLR) is not expected to have a significant impact at Crissy Field during the lifespan of this project (10-15 years), the location and design of the parking lot considered these long term impacts. Recent studies show that the Promenade and East Beach Parking may be temporarily impacted by minor flooding in some locations under the highest SLR projections (1 ft. by 2030), when combined with El Nino and/or storm surge and/or

wave run-up. Current mapping shows minor localized flooding of the Promenade at 10 ft. water surface elevation and major flooding at 12 ft. elevation (the equivalent of 3 ft. SLR above the current 100 year tide). Similarly, there would be minor flooding in East Beach parking at 11 ft. and significant flooding at 12 ft. water elevation. The improved surfaces and drainage, designed for a 10-15 year lifespan, would be more resilient than the existing promenade surface. Enhancements to the rip rap edge, corrections to the drainage patterns, and additional drainage devices near the airfield will all serve to improve the lifespan of the promenade surface.

### *Vegetation*

Existing Conditions: The existing vegetated area between the promenade and the parking area no longer supports the original native dune planting. These 14-16 foot wide planting areas receive high pedestrian traffic since visitors often walk directly across the berms when walking from their cars to the promenade or beach. The intent of the original design of the existing planted area was to grow dune vegetation, similar to planting areas near the marsh. However, weeds have overgrown the dune plants because of the high level of disturbance.

Conditions with Project: Under the proposal, the planting areas will be narrowed to nine feet wide. Plant selection for the buffer area will include native plants or species that could not be invasive or hybridize with natives. The planting areas will remain in the same location. Sand that has accumulated over time will be removed. Native species will be planted and a low temporary fence will be installed. Project team will work with Natural Resources Division and Maintenance Division to select plants that will thrive and will be compatible with existing vegetation. Plants will also need to survive the sandy and windy conditions.

### 5) **Cumulative Effects**

The Presidio Trust, who operates and maintains the utilities infrastructure in Area A of the Presidio is planning repair work (approximately Fall 2017) to the outfall structure (Outfall L2) in the same area where rip rap enhancement is being planned as part of this project. The full scope of work for the outfall project has not been completed. This Presidio Trust project will undergo separate environmental compliance for the outfall repair work. Prior to NPS beginning construction on the Promenade, NPS will coordinate with the Presidio Trust to identify whether there are any efficiencies or disturbance minimization measures that can be done by coordinating work efforts in this area.

## **I. NATIONAL HISTORIC PRESERVATION ACT (NHPA) SECTION 106 COMPLIANCE**

The GGNRA Cultural Assessment Team has reviewed the project and completed its certification for compliance under Section 106 of the National Historic Preservation Act through the Park Programmatic Agreement as having No Adverse Effects to Historic Properties. It has been determined that there will be No Adverse Effect on historical, cultural, or archeological resources, provided all stipulations identified in Attachment E are met. The Resurface Crissy Field Promenade and Repair East Beach Parking Area project is therefore cleared for all NHPA compliance requirements as presented herein.

See Attachment E: “Letter of NHPA Section 106 Compliance Completion and Assessment of Actions Having an Effect on Historic Properties” for full NHPA Section 106 compliance documentation.

## **J. SUMMARY OF PUBLIC COMMENT (POST PUBLIC REVIEW AND COMMENT)**

The Crissy Field Repair project was released for a 14-day comment period on April 8, 2016 and closed on April 22, 2016. Within that time period, the NPS received over 100 total correspondences from the public.

Comments were reviewed and analyzed for substantive content. See Attachment C “Public Comment Summary and Response to Comments” for a detailed discussion of the comments received and park responses.

## **K. DECISION / IMPLEMENTATION PROCESS**

A draft proposal and environmental compliance document for the Crissy Field Repairs was released to the public for a 14-day comment period from April 8 to April 22, 2016. The public was notified of this document’s availability by email and press release. Following the 14-day comment period, the NPS reviewed the comments received. With consideration of the public’s feedback, this document represents a final implementation decision made by the discretionary authority of the Superintendent.

Construction is expected to begin in late fall 2016, and last approximately eight months. The project will be done in multiple phases with clear detour information. The public will be notified of closures and project related construction activities prior to construction and by on site signage.

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National Park Service  
U.S. Department of the Interior

Golden Gate National Recreation Area  
Date: 5/26/2016

## ATTACHMENT B

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### Pre-Proposal Public Scoping Summary

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## ATTACHMENT B

### Pre-Proposal Public Scoping Summary

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#### A. PRE-PROPOSAL PUBLIC SCOPING BACKGROUND

On March 16 and 19, 2016 staff from the Golden Gate National Recreation Area and the Golden Gate National Parks Conservancy staff hosted two public walks to present the Conceptual plans for the Crissy Field Promenade and East Beach Parking Area repairs. Information about the proposed Project and the public walks were circulated in several ways. A notice was emailed to the NPS Golden Gate Project Planning Email List and to members of the public who had requested information on previous projects and workshops at Crissy Field. The groups met on Wednesday from 10:00AM to 11:00AM and from 11:00 AM to 12:00 PM on Saturday at the picnic tables east of the restrooms. There were between 10 and 20 attendees at each meeting including representatives from the board sailing community, promenade walkers, dog walkers, and other users of Crissy Field. Park staff provided an overview of the project purpose and need as well as a walk-through of the proposed repairs. Along with the feedback heard during the public walk through, NPS staff also met with members of the public who were unable to attend the public walks.

#### B. PRE-PROPOSAL SCOPING SUMMARY

Public feedback on the Crissy Field Repairs was received during the public walk through and in follow up discussions. The public feedback received addressed the following broad themes. Each theme is followed by park responses which are meant to give additional details, remedy confusions, and provide further insight into the NPS's motivations behind the proposal.

##### 1. Promenade Width and Material

The proposed design of the promenade was received with general support with a couple areas of concern. Several comments were received regarding the proposed expansion of the promenade at East Beach. Commenters were concerned that the promenade will become busier if expanded by ten feet, bicyclists may travel faster, and that the promenade might be more difficult for users, specifically the board sailors, to cross. Commenters also voiced that the narrowing of the promenade would serve as a bottleneck where the trail narrowed from thirty to twenty feet wide. One commenter suggested removing bicyclists from the Promenade. Another asked if the proposed material would be slippery.

- The proposed width of the promenade is to range between 20 and 30 feet wide; 30 feet at the East Beach parking area and 20 feet for the remainder of the promenade from the west end of the parking area to the Warming Hut. It is likely that visitors will have more space in an area that is currently crowded on busy weekends.
- The intent of the wider promenade width is to better accommodate users of the promenade with those crossing the promenade to access the beach. This area of the promenade also serves as the starting off point for many visitors to Crissy Field. Once the promenade narrows

to twenty feet, park staff expect there will be fewer total users than where it is thirty feet wide.

- Design details and signage will be installed to slow bicycle traffic at the East Beach area. Long term bicycle use on the promenade will be evaluated in the future. This project does not propose a change in permitted use. NPS will work with rental bike companies on suggested speeds and routes through Crissy Field.
- The compacted shale material is not a slippery product. The aggregate size includes a range from small to larger sized material but the material has not shown to be slippery in other installations at GGNRA.

## **2. Primary Parking Area at East Beach**

The proposed design of the primary parking area (at the existing Entry/Exit Drives) received mixed feedback. Attendees were concerned that the elderly and disabled community would lose views of the Ocean from their vehicles if the parking area is moved south from existing layout. One commenter suggested that there should be additional bicycle and scooter parking at the proposed parking area as well as a shuttle drop off zone. One commenter requested safety statistics at the East Beach Parking Area and suggested that speed bumps could slow vehicular traffic down in the existing lot. There were concerns about special events that take up a large section of parking on weekends, which results in fewer available parking spaces. Some commenters, specifically the board sailing community, requested the park look into grass pavers and no designated parking spaces in order to maintain a vegetated lawn parking area. One attendee requested additional trees in order to provide more parking spaces in the shade.

- The project will continue to provide a total of 400 parking spaces at the East Beach Parking Area. The proposed project includes 367 paved and 33 unpaved spaces (existing conditions include 178 paved and 222 unpaved spaces).
- Park staff are continuing to conduct outreach to a wider range of user groups than those who attended the walks or followed up after the walks. Park staff will reach out to members of the accessibility community about the proposal to move parking away from the beach.
- Additional bicycle and scooter parking as well as drop off zones will be considered as the design team moves into design development.
- There are reports of many near misses due to the unmarked parking spaces, driving lanes, and pedestrian walkways. The project team will work on design solutions to control traffic speeds in the proposed parking area.
- The park does not host special events on every weekend and closures are typically limited to the hours of the event.
- Unit cells or grass pavers for the parking area rely on infrequent use in order for the lawn to re-grow between uses. The parking area at Crissy Field can fill up most weekends during popular months. Unit cells and grass pavers require frequent irrigation and do not meet the purpose and need of the project, which is to reduce required maintenance. California is still experiencing a drought and the park has reduced its area of irrigated turf.
- Shrubs and other low vegetation will be planted in and around the parking area to treat stormwater runoff from the promenade.

## **3. Western Parking Area at East Beach (near Restroom)**

The proposed design of the western parking area, near the existing restrooms, received mixed feedback. Attendees, particularly the boardsailing community, were concerned about the loss of parking spaces and lawn staging areas at this end of the parking lot. Boardsailors prefer to park on the west side of the lot as it provides them direct access to the best launching locations. A few commenters recommended the use of grass pavers or reinforced turf, similar to the comment on the primary parking area. One attendee asked if irrigation would remain on if NPS installed

additional lawn areas. Attendees suggested there be additional lawn areas, adjacent to parking, intended as staging locations for board sailing equipment. Attendees also suggested wider pathways from the western parking area to the beach.

- The board sailing season spans from March-October and winds pick up in the late afternoon during those months. All parking in this area will have nearby access to lawn areas that can be used for unloading equipment and for staging.
- Turf pavers do not work well in this location for the reasons mentioned in the primary parking area.
- NPS is committed to maintaining new lawn areas as this repair will represent a reduction in irrigated area. The future of irrigation at Crissy Field is dependent on future drought conditions as well as the park's goals to reduce water use.
- The proposed parking layout includes lawn parking near or adjacent to all of the parking spaces throughout the western parking area. Unmarked parking spaces will provide for greater flexibility during non-peak days.
- Pathways range between 8-15' wide between the parking area and the promenade.

#### **4. Open Space/Buffer Area Design**

The proposed open space or buffer area between the parking area and the promenade is intended to accommodate a variety of programs such as gathering space, staging areas, and other recreation uses. These areas received a variety of responses. One attendee was concerned that NPS would not commit to irrigating the turf areas. Another concern was that dogs would take over these areas. One commenter suggested that some board users would set up their equipment in these locations, which could be a hazard to users on the promenade.

- Similar to earlier discussion of irrigation in the lawn areas, NPS will continue to maintain irrigated turf where feasible. The proposed re-design represents a decrease in overall irrigated area.
- Species selection will be critical to the buffer area in order to select a plant palette that will thrive and accommodate various user groups.
- Signage and enforcement will help regulate permitted uses of the buffer areas

#### **5. Construction**

The proposed timeline of the East Beach Parking Area and Promenade is to begin after Fleet Week in the fall of 2016. One commenter asked for the East Beach Parking Area to be completed first so that it is ready for the start of board sailing season in the spring.

- Phasing of the construction work will be determined during design development and construction documentation. This will be subject to change based on contracting requirements. NPS will bring construction schedule, timeline, and phasing plans back to the public for information sharing.

#### **6. Compliance and Process**

The NEPA compliance for the repairs qualify as a Categorical Exclusion. This explanation led to a couple comments regarding compliance. One attendee thought this project should trigger a NEPA process. Another attendee asked what categorical exclusions would be used. Another commenter asked that process, timeline, and funding timelines should be posted on the NPS park planning website. In addition, there were questions on the studies used to determine the parking counts.

- NPS will comply with the National Environmental Policy Act (NEPA). The proposed repairs qualify as a Categorical Exclusion (CE) under NEPA. The CE will be released in the late spring of 2016.
- NPS staff to post process, timeline, and funding restrictions (as it relates to timing), and transportation studies on park planning website.

#### **7. General Crissy Field Design**

Some comments addressed concerns that are out of this proposal's project scope. One attendee recommended additional improvements to the Mason Street bike path and roadway. Another comment addressed the need for separated pedestrian and bicycle entrances into the East Beach Parking Area from Mason Street. Another attendee asked about designated storage lockers for board sailing equipment.

- Topics such as the Mason Street bike path, bicycle and pedestrian access to the parking area, and storage locker are out of the project scope. These will be considered during future projects at Crissy Field.



**National Park Service**  
**U.S. Department of the Interior**

**Golden Gate National Recreation Area**  
**Date: 5/26/2016**

## **ATTACHMENT C**

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### **Public Comment Summary and Response to Comments**

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## ATTACHMENT C

### Public Comment Summary and Response to Comments

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#### A. PUBLIC REVIEW BACKGROUND

National Park Service (NPS) DO-12 NEPA Handbook guidance for Categorical Exclusions suggests seeking public comments in situations where there is a high degree of public interest. The NPS solicited public feedback on the Crissy Field Repairs following the release of the schematic design and draft categorical exclusion.

NPS hosted two public meetings on-site in March 2016 with 30 people total in attendance and presented an early concept of the Centennial Repair Project. See Attachment B for a detailed account of the feedback received prior to the proposal's release and park responses. The schematic design was then developed based on public feedback received during the public walks as well as stakeholder meetings.

#### B. PUBLIC COMMENT SUMMARY AND RESPONSES

A draft proposal and environmental compliance document for the Crissy Field Repairs was released to the public for a 14-day comment period from April 8-April 22, 2016. The public was notified of this document's availability by email, public notifications, and press release. A total of 130 comments were received from agencies, organizations, and the general public. Comments were received from representatives from the following agencies or organizations:

- Crissy Field Dog Group
- Crissy Field Yacht Club
- Neighborhood Associations for Presidio Planning
- NOAA Greater Farallones National Marine Sanctuary
- People for GGNRA
- San Francisco Bicycle Coalition
- San Francisco Boardsailing Association
- San Francisco Bay Regional Water Quality Control Board
- US Sailing Association

Following the 14-day comment period, the NPS reviewed the comments received. With consideration of the public's feedback, Attachment A (Section E - Actions to be Implemented) describes the final set of actions to be implemented. The summarized responses to comments below respond to the substantive comments received during the public review and comment period. Response to comments includes comments received on both the Schematic Design and

Draft Categorical Exclusion documents available during public review. All comments are available on the project website.

## **Proposed Alternative**

There were 70 comments related to the proposed alternative shown in the schematic design package. The majority of the comments were in response to the proposed design of the East Beach Parking Area with a focus on the configuration and location of the parking area.

### *Parking lot configuration*

Many of the comments regarding the East Beach Parking Area proposal advised NPS to consider multiple parking layout alternatives, rather presenting one design. Many commenters suggested that NPS maintain the existing parking lot in its current layout and to not make any changes to its current form. Some commenters preferred to retain the front row of parking near the beach in order to maintain views from the parking lot to the beach. Some commenters stated a preference to retain parking spaces for dog walkers west of the restrooms. There were a number of commenters who had specific recommendations to the parking layout. These included a preference for additional parking near lawn areas that are intended for rigging equipment, short term parking spaces near the beach, oversize parking spaces, and no compact parking spaces.

### *Location and quantity of lawn areas*

Several comments were in response to the location and quantity of the proposed lawn areas. Many of the commenters stated a preference for an increase to the amount of lawn areas adjacent to parking. A portion of these comments asked the park for improved maintenance of existing lawn panels, replacement of existing panels with sod, or the installation of a grass-paver system.

### *Vehicular Circulation*

A portion of the comments about the proposed design focused on vehicular circulation. These comments expressed desires to retain the vehicular drive west of the restroom at East Beach, install speed bumps and stop signs, retain electric vehicle parking, and improve vehicle wayfinding signage.

### *Pedestrian and Bicycle Circulation*

Several comments focused on the need for additional pedestrian and bicycle facilities at the East Beach Parking Area. Specifically, comments requested more walking paths through the parking area, additional bicycle lanes, and more locations with bicycle parking.

### *Promenade*

The comments on the proposed promenade configuration were supportive of improving drainage conditions. Some comments suggested the addition of bicycle lanes and speed bumps to separate and slow bicyclists.

Representative Quotes are below:

- Please consider leaving front row parking instead of adding the grassy areas in front of the current restrooms.
- Keep the parking lot "as is". Post signs, repaint stripes and directional arrows, and install speed bumps and stop signs. Keep the park a park. Don't create more pavement. We need MORE parking spaces on the west side of the parking lot - not less. That is why these parking spots are the first to fill up on any busy day.

- I would support the use of pavers or a grid to help support the turf and prevent excessive wear that is causing problems with the current design.
- There needs to be a physical separation of bicycle riders and other users. The "others" include walkers, runners, families with children and baby strollers, dog walkers, etc.

NPS response: Public comments were read, analyzed, and the project scope has been modified in response to public input and refined cost estimates. The new design encompasses the most needed actions consistent with deferred maintenance standards and meets the project budget.

The proposed project scope for the East Beach Parking Area has been reduced and will include routine repairs to existing paved surfaces. No reconfiguration of the parking lot will occur as part of the proposed project. Future changes to this area will be addressed at a separate time through another planning process to allow for additional study and community involvement. Specifically, the scope of work at East Beach Parking Lot will include: 1) re-slurry and re-stripping of the existing asphalt parking area to extend the life of the existing parking, and 2) minor improvements to pedestrian walkways, the planting areas, drainage and site furnishings.

Along the promenade, the refined scope incorporates additional drainage improvements and a proven soil binder that helps stabilize the trail surface, improves durability, and extends the lifespan. The project no longer proposes to widen the promenade at East Beach to 30' wide. The end of the promenade and adjacent pathways will be replaced near the Warming Hut to improve circulation and drainage.

## **Compliance Process**

There were 62 comments related to the compliance process for the proposed project. Many comments spoke of reasons the compliance document should be an Environmental Assessment or an Environmental Impact Statement and that the justifications do not meet the requirements of a Categorical Exclusion. Several comments asked for additional opportunities for public involvement in the planning process including an extension of the 14 day comment period. Several of the comments felt that the 1996 Environmental Assessment is a legally binding document and should not be changed without another equivalent document.

As funding for the Centennial Projects are intended for deferred maintenance several of the comments suggested that the actions under the proposed project are not deferred maintenance. Many of the comments questioned the impact analysis of the recreational impacts suggesting that the proposed project will impact parking and access to the beach.

NPS Response: According to the National Park Service NEPA Handbook (2015), a Categorical Exclusion is appropriate for actions with no significant environmental impacts which do not trigger specific Categorical Exclusion Exception criteria. The documentation is provided to the Superintendent (decision maker) to make an informed decision and provide the analysis that the project qualifies for a Categorical Exclusion. Because the project occurs in an area of high interest to the public the NPS held two public walks and opened the comment period on the proposed action for review and comment. Following the public comment period and updates to the project budget, revisions to the scope of work were adjusted. The project team believes the updated scope addresses the most critical deferred maintenance actions, does not have the potential for significant adverse environmental impacts, and does not trigger CE exception criteria (See Impact Analysis in Attachment A).

## **Project Scope and Analysis**

There were 41 comments related to the project purpose and need as well as the scope of the analysis. Many comments spoke of the importance to maintain the park-like setting at Crissy Field, suggesting that the proposed project does not retain the existing character and would no longer fit the needs of recreationists. The majority of the comments on project scope conveyed that the proposed scope goes above and beyond deferred maintenance actions. A subset of these comments felt that the quantity of paved parking spaces should not be increased and felt that crowds are only an issue a small number of times a year. They also suggested that the park should hold fewer special events in order to decrease the demand at East Beach.

NPS Response: The proposed project scope for the East Beach Parking Area has been reduced and will include routine repairs to existing paved surfaces. No changes will be made to the quantity of parking spaces. Future changes to this area will be addressed at a separate time through another environmental compliance process to allow for additional study and community involvement.

## **Park Operations**

There were four comments related to park operations and management. These comments focused on the wear and tear along the promenade. Some of the comments were regarding vehicle traffic along the promenade particularly at the northwest end, near the NOAA campus. Some of these were supportive of improving the drainage problems in this area and along the airfield.

NPS Response: The project team is studying options to increase the durability of the promenade sections that receive frequent vehicular traffic, particularly near the NOAA facility. Options include a soil stabilizer in the promenade material as well as short asphalt sections at existing driveways, similar to the NOAA driveway, to improve the performance of the promenade and increase its lifespan. Drainage features will be installed along the airfield and in areas that do not currently drain well.

## **Visitor Access - Parking and Circulation**

There were 52 comments related to the negative impact to visitor access and circulation from the proposed project. Many of these comments spoke of specific design changes to the proposed changes to the East Beach Parking Area. Comments were generally unsupportive of removing the parking at the northern edge of the existing parking area as it could limit views of the beach and bay from parked vehicles. Many of the comments spoke against any decrease to the amount of parking on the west side of parking area as it will likely become more crowded. Other comments requested additional lawn areas adjacent to parking so recreationists such as boardsailors are able to unload and rig their gear while remaining near their vehicle. They also spoke to the importance of maintaining short distances from parking to the beach as boardsailing equipment is heavy to carry. Some of the comments requested NPS redesign the entry and exit drives as the current drives are too narrow.

NPS Response: The proposed project scope for the East Beach Parking Area has been reduced and will include routine repairs to existing paved surfaces. No changes will be made to design of the parking area, the location of the lawn areas, or the location of the northern row of parking.

Future changes to this area will be addressed at a separate time through another planning process to allow for additional study and community involvement.

### **Visitor Access at Promenade**

There were 11 comments related to the negative impact of widening the promenade at East Beach. Some of the comments mentioned that bicyclists along the promenade should be directed to walk their bikes rather than ride. Some comments were against expanding the promenade and feared additional congestion where the promenade narrows from 30' to 20' moving to the west. Many of the commenters felt the promenade would become busier if widened to 30'. Some of these comments raised concern about recreationists, specifically board sailors, crossing the promenade if it is widened from 20' wide to 30' wide. Some comments spoke positively about maintaining the line of benches at East Beach.

Park Response: The proposed project scope for the East Beach Parking Area has been reduced and the project no longer proposes to increase the width of the promenade from 20' to 30' wide. NPS will continue to monitor bicycle use on the promenade in order to maintain safe conditions for all users.

### **Visitor Experience**

There were 25 comments related to the impact on visitor experience from the proposed project. Many of these comments were in respect to construction and of phasing the project implementation. Some of these comments requested that construction not impact school groups who use the promenade or adjacent facilities. Comments were supportive of resurfacing the promenade in order to improve visitor experience.

Some commenters felt the proposed parking lot layout would improve visitor experience with designated walkways and lawn areas between the parking and the beach. Other commenters felt the proposed layout would decrease visitor experience as the walk might be longer. In addition, some commenters mentioned that the removal of parking along the promenade would decrease the experience for those who remain in their cars and look out at the beach.

NPS Response: Phasing and staging of construction will be coordinated with stakeholders along the promenade prior to construction. Visitors will be notified of all detours in advance of construction. The proposed project scope for the East Beach Parking Area has been reduced and will include routine repairs to existing paved surfaces. No changes will be made to the location of the parking lot.

### **Visitor Conflicts and Safety**

There were six comments related to visitor conflicts and safety from the proposed project. Some of these comments spoke of the need to remove bicyclists from the promenade and suggested that they be restricted to Mason Street bicycle path. A small number spoke of the need to eliminate use of electric bicycles on the promenade. A number of comments spoke of the potential for visitor conflicts and safety hazards if boardsailors have to carry their equipment across a large parking area.

NPS Response: Park staff will continue to monitor the various user groups along the promenade. The compacted shale material encourages users to travel at a low speed. Future studies will consider the role of the Mason Street bicycle path in relation to the promenade. The proposed project scope for the East Beach Parking Area has been reduced and will include routine repairs to existing paved surfaces. No changes will be made to the location of the parking lot.

### **Visitor Use**

There were 21 comments related to the impacts on visitor use from the proposed project. Many of these comments spoke to the need for recreationists, specifically boardsailors, to have space to rig and launch their equipment adjacent to their vehicle. Many of these comments also spoke of the need for easy access between the parking and the west end of East Beach.

NPS Response: The proposed project scope for the East Beach Parking Area has been reduced and will include routine repairs to existing paved surfaces. No changes will be made to the location or relationship of existing turf and parking.

### **Visitor Opportunities**

There were 29 comments related to the value of opportunities such as recreation, programs, and activities at East Beach. A number of comments spoke to the value of flexible space that can allow for parking, dog walking set up, rigging space, informal picnicking and social gathering spaces.

Park Response: The proposed project scope for the East Beach Parking Area has been reduced and will include routine repairs to existing paved surfaces. No changes will be made to the location or relationship of existing turf and parking. NPS is supportive of the multiple user groups at Crissy Field and support their continued shared use of the parking, lawn areas, and picnic areas.

### **Water Quality**

There were four comments related to the water quality and water resources at Crissy Field. Some comments spoke to the need to reduce stormwater runoff into the Bay and to capture and treat stormwater runoff from the parking area. Another comment suggested the addition of more pet waste dispensers to improve water quality. A couple of the comments suggested that the project should be able to adapt to sea level rise.

NPS Response: The existing storm drain system at the East Beach Parking lot will be re-used with slight changes to improve their function. The park will consider the installation of additional waste bag dispensers at East Beach and along the promenade. While sea level rise and climate change are a concern for GGNRA, there is a low probability that the effects of sea level rise will have a significant impact on the promenade during the lifespan of this repair. While storm events may cause run up from wave action in some locations along the promenade, sea level rise is expected to have minor impacts to the promenade and parking area over the lifespan of this project.



**National Park Service**  
**U.S. Department of the Interior**

**Golden Gate National Recreation Area**  
**Date: 5/26/2016**

## **ATTACHMENT D**

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### **Design Documents**

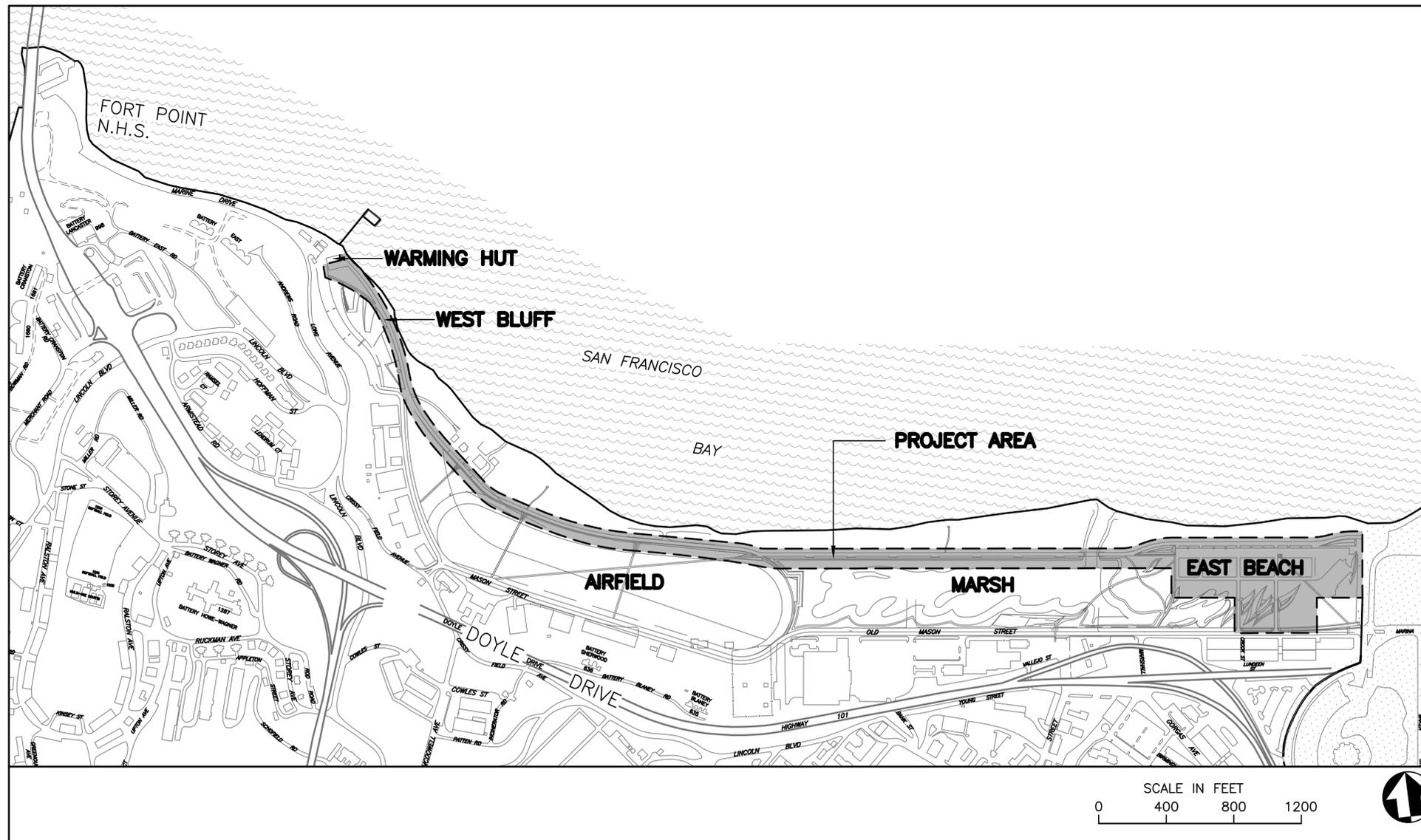
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# CRISSY FIELD

## PROMENADE RESURFACING AND EAST BEACH RECONFIGURATION PMIS# 221770

### SAN FRANCISCO, CALIFORNIA

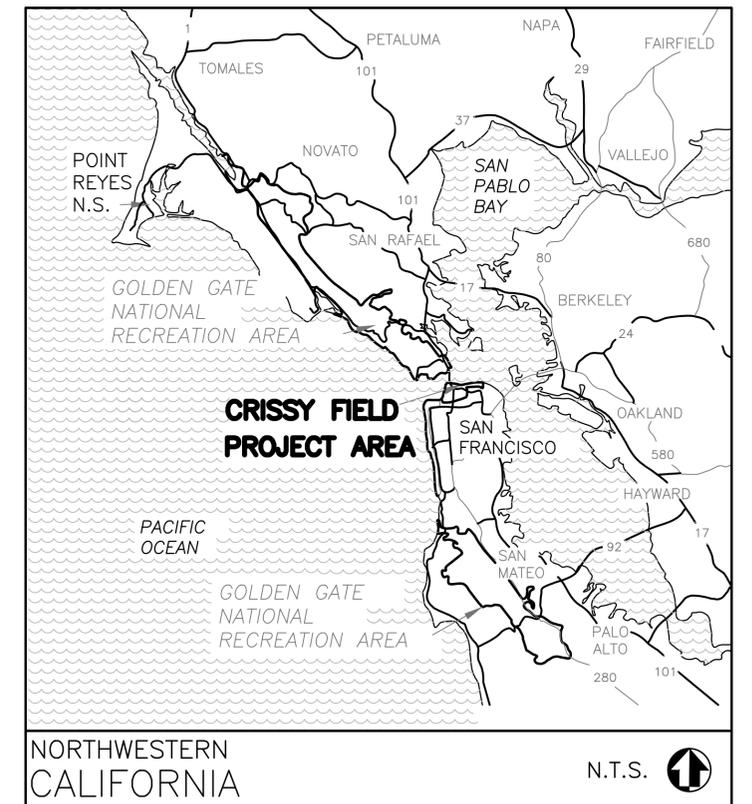
LOCATION MAP



SCALE IN FEET  
0 400 800 1200



VICINITY MAP



BASIC DATA: 641/80,003K 10/78; PARK MINI FOLDER 1990; REVISED & REDRAWN 1/93. UPDATED 11/98. SGS.

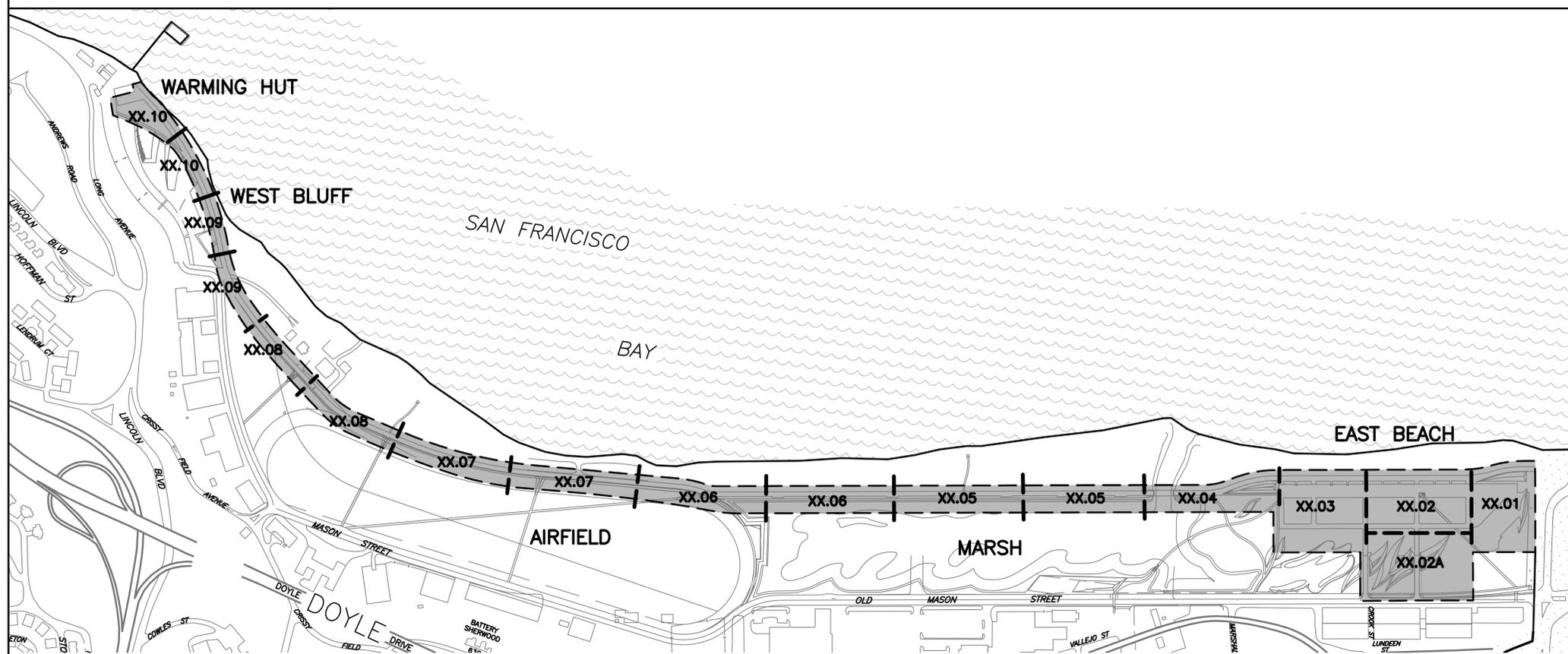


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DRAFT PROGRESS SET: MAY 20, 2016		DRAWING NO. GO.00	
UNITED STATES DEPARTMENT OF THE INTERIOR		TITLE OF DRAWING <b>COVER SHEET</b>	
NATIONAL PARK SERVICE DENVER SERVICE CENTER		CRISSY FIELD: PROMENADE RESURFACING AND EAST BEACH PARKING RECONFIGURATION	
		NAME OF PARK GOLDEN GATE NATIONAL RECREATION AREA	
		REGION COUNTY STATE PACIFIC WEST SAN FRANCISCO CALIFORNIA	
PKG. NO.	SHEET		
	1		
	OF		

SHEET KEY



SHEET INDEX

- G0.00 COVER SHEET
- G0.01 SHEET INDEX, SHEET KEY & ABBREVIATIONS
- G0.02 GENERAL NOTES
- G0.03 ACCESSIBILITY PLAN
  
- D1.00 DEMOLITION SCHEDULE
- D1.01 DEMOLITION PLAN
- D1.02 DEMOLITION PLAN
- D1.03 DEMOLITION PLAN
- D1.04 DEMOLITION PLAN
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- C2.01 ROCK SHORE PROTECTION PLAN
- C2.02 ROCK SHORE PROTECTION SECTIONS
  
- L1.00 MATERIALS SCHEDULE
- L1.01 LAYOUT AND MATERIALS PLAN
- L1.02 LAYOUT AND MATERIALS PLAN
- L1.02A LAYOUT AND MATERIALS PLAN
- L1.03 LAYOUT AND MATERIALS PLAN
- L1.04 LAYOUT AND MATERIALS PLAN
- L1.05 LAYOUT AND MATERIALS PLAN
- L1.06 LAYOUT AND MATERIALS PLAN
- L1.07 LAYOUT AND MATERIALS PLAN
- L1.08 LAYOUT AND MATERIALS PLAN
- L1.09 LAYOUT AND MATERIALS PLAN
- L1.10 LAYOUT AND MATERIALS PLAN
  
- L2.01 GRADING PLAN
- L2.02 GRADING PLAN
- L2.03 GRADING PLAN
- L2.04 GRADING PLAN
- L2.05 GRADING PLAN
- L2.06 GRADING PLAN
- L2.07 GRADING PLAN
- L2.08 GRADING PLAN
- L2.09 GRADING PLAN
- L2.10 GRADING PLAN
  
- L3.00 PLANTING SCHEDULE
- L3.02 PLANTING PLAN
- L3.03 PLANTING PLAN
- L3.10 PLANTING PLAN
  
- L4.00 IRRIGATION LEGEND AND NOTES
- L4.02 IRRIGATION PLAN
- L4.03 IRRIGATION PLAN
- L4.10 IRRIGATION PLAN
  
- L5.01 SECTIONS - PROMENADE
  
- L6.01 DETAILS - PAVING
- L6.02 DETAILS - PAVING
- L6.10 DETAILS - SITE ELEMENTS
- L6.11 DETAILS - SITE FURNITURE
- L6.12 DETAILS - SITE FURNITURE
  
- L6.21 DETAILS - IRRIGATION
- L6.22 DETAILS - IRRIGATION
  
- L6.31 DETAILS - PLANTING

ABBREVIATIONS

<p>                 @ AT                  AB AGGREGATE BASE                  AC ASPHALT CONCRETE                  AD AREA DRAIN                  BLDG BUILDING                  BOC BACK OF CURB                  BOW BACK OF WALK                  BS BOTTOM OF STAIR                  BW BOTTOM OF WALL AT FS                  CB CATCH BASIN                  CIP CAST IN PLACE; CAST IRON PIPE                  CJ CONTROL JOINT                  CLR CLEAR                  CONT CONTINUOUS                  DIA DIAMETER                  (E) EXISTING                  EA EACH                  EJ EXPANSION JOINT                  EL ELEVATION                  EQ EQUAL                  EW EACH WAY                  FF FINISHED FLOOR                  FG FINISHED GRADE, PLANTING                  FS FINISH SURFACE, PAVING                  FT FEET                  GALV GALVANIZED                  GB GRADE BREAK                  GL GRID LINE                  HORIZ. HORIZONTAL                  ISOLATION JOINT                  LIMIT OF WORK                  ME MATCH EXISTING                  MFR MANUFACTURER                  (N) NEW                  NIC NOT IN CONTRACT                  NO.: # NUMBER                  NTS NOT TO SCALE                  OC ON CENTER                  OD OUTSIDE DIAMETER                  PA PLANTING AREA                  PKG PACKAGE                  P.O.B. POINT OF BREAK/BEGINNING                  PROP. PROPOSED             </p>	<p>                 RE RADIUS                  SAD RIM ELEVATION                  SCD SEE ARCHITECTURAL DRAWINGS                  SCH SEE CIVIL DRAWINGS                  SCSP SCHEDULE                  SED STABILIZED CRUSHED STONE PAVING                  SIM SIMILAR                  SJ SEE ELECTRICAL DRAWINGS                  SPECS SCORE JOINT                  SQ SPECIFICATIONS                  SS SQUARE                  SSD STAINLESS STEEL; SANITARY SEWER                  STD SEE STRUCTURAL DRAWINGS                  STD STANDARD                  SW SIDEWALK                  T&amp;B TOP AND BOTTOM                  TBD TO BE DETERMINED                  TC TOP OF CURB                  TOS TOP OF STRUCTURAL SLAB                  TS TOP OF STAIR                  TW TOP OF WALL                  TYP TYPICAL                  UON UNLESS OTHERWISE NOTED                  VAR VARIES                  VIF VERIFY IN FIELD                  WP WATERPROOFING             </p>
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DESIGNED: CMG HN/JH/RG	SUB SHEET NO.	TITLE OF SHEET <b>SHEET INDEX, SHEET KEY &amp; ABBREVIATIONS</b> CRISSY FIELD: PROMENADE RESURFACING AND EAST BEACH PARKING RECONFIGURATION GOLDEN GATE NATIONAL RECREATION AREA THE PRESIDIO OF SAN FRANCISCO	DRAWING NO. G0.01
TECH. REVIEW: KC/GB/CR			PMIS/PKG. NO. 221770
DATE: 05.20.2016			SHEET 02 OF XX

**GENERAL NOTES**

..... LIMIT OF WORK

1. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS, AND APPLICABLE REQUIREMENTS OF OTHER REGULATORY AGENCIES.
2. WRITTEN SPECIFICATIONS ARE PART OF THE CONSTRUCTION DOCUMENTATION PACKAGE. CONTRACTOR IS RESPONSIBLE FOR WRITTEN SPECIFICATIONS AND DRAWING PACKAGE.
3. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE WORK INDICATED ON THE LANDSCAPE DRAWINGS IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS.
4. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY AND COMPLETENESS OF THE INFORMATION SHOWN. THE EXACT LOCATION AND ELEVATION OF UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR.
5. CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH OWNER'S REPRESENTATIVE, SITE SUPERINTENDENT, APPROPRIATE AGENCIES AND CONSTRUCTION DOCUMENTATION OF THE LOCATIONS OF ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF UTILITIES
6. PROTECT EXISTING IMPROVEMENTS AND STRUCTURES THAT ARE TO REMAIN IN PLACE FROM DAMAGE. IF ANY DAMAGES OCCUR THE IMPROVEMENTS AND/OR STRUCTURES SHALL BE RESTORED TO NEW CONDITION AT NO ADDITIONAL COST TO THE OWNER.
7. IF LIVE UTILITIES ARE ENCOUNTERED NOT INDICATED PREVIOUSLY, PROTECT FROM DAMAGE AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND THE AFFECTED UTILITY PROVIDER. DO NOT PROCEED UNTIL FURTHER INSTRUCTIONS ARE RECEIVED.
8. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
9. WHERE BACKFILL UTILITY LINES ARE EXPOSED BY WORK OPERATIONS, REPAIR BEDDING AND BACKFILL MATERIAL DISPLACED AND DAMAGED DURING WORK. REPLACE CONTAMINATED MATERIALS WITH NEW MATERIALS TO MATCH EXISTING MATERIALS.
10. REPORT DISCREPANCIES IN DRAWINGS OR SPECIFICATIONS TO THE OWNER'S REPRESENTATIVE FOR CLARIFICATIONS AND ADJUSTMENTS BEFORE COMMENCING WORK. ANY DEVIATIONS OR CHANGES IN THESE DRAWINGS WITHOUT WRITTEN ACCEPTANCE OF THE OWNER'S REPRESENTATIVE SHALL ABSOLVE THE OWNER OF ANY AND ALL RESPONSIBILITY OF SAID DEVIATION AND CHANGE.
11. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ANY COSTS, CONSTRUCTION DELAYS, OR REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.
12. OBTAIN ACCEPTANCE OF HORIZONTAL ALIGNMENT OF ELEMENTS IN THE FIELD FROM THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
13. DIMENSIONS INDICATED ON PLANS FOR HORIZONTAL CONTROL ARE ACCURATE IF MEASURED ON A LEVEL LINE NOT PARALLEL WITH GROUND SLOPE.
14. COORDINATE ALL WORK TO PREVENT CONFLICTS BETWEEN TRADES AND REPORT CONFLICTS OR INCONGRUITIES BETWEEN NEW IMPROVEMENTS AND/OR EXISTING FACILITIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
15. ALL PROPERTY, EASEMENT, LIMIT AND UTILITY LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
16. CONTRACTOR SHALL PERFORM ALL PROTECTION, DEMOLITION, REMOVAL AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF ALL WORK SHOWN ON THE DRAWINGS AND DESCRIBED IN THE SPECIFICATIONS.
17. CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS AND UNSUITABLE MATERIAL GENERATED BY THE CONTRACTOR'S AND SUBCONTRACTORS' OPERATIONS. CONSTRUCTION SITE SHALL BE MAINTAINED AT ALL TIMES SO THAT NO OBSTRUCTION, CONSTRUCTION EQUIPMENT OR CONSTRUCTION PROCESS CAUSES POTENTIAL HARM OR DANGER TO THE PUBLIC OR THE CONSTRUCTION SITE.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH ALL DRAIN LINES, IRRIGATION SUPPLY LINES, CONDUIT SLEEVES, AND POWER AND WATER SERVICE POINTS SHALL BE IN PLACE IN LOCATIONS SHOWN ON LAYOUT PLANS PRIOR TO INSTALLATION OF SITE LANDSCAPE CONSTRUCTION.

**SURVEY NOTES**

1. EXISTING SITE FEATURES ARE BASED UPON A SURVEY PERFORMED BY OBERKAMPER & ASSOCIATES CIVIL ENGINEERS INC, NOVATO, CA (415)897-2800, DATED FEBRUARY AND MARCH 2016.
2. THE EXISTING ELEVATIONS SHOWN HEREON REFERENCE NATIONAL GEODETIC SURVEY (NGS) MONUMENT "941 4290 N TIDAL" (PID : AE5209), BEING A 3" BRASS DISC MARKED "UNITED STATES COAST & GEODETIC SURVEY, 4290 N 1995" SET IN THE TOP OF A SEAWALL. ORTHOMETRIC HEIGHT = 12.04 FEET (NAVD88, MARCH 1999 ADJUSTMENT) AS PER NGS DATA SHEET.

**GRADING NOTES**

1. VERIFY ALL GRADES IN THE FIELD BEFORE PROCEEDING WITH WORK, INCLUDING EXISTING IMPROVEMENTS, LOCATIONS AND ELEVATIONS OF AREA DRAINS.
2. EXISTING GRADES SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. ALL DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
3. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO MAKE ADJUSTMENTS IN THE FINISHED GRADE AS THE WORK PROGRESSES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE SURFACE DRAINAGE IN ALL PAVING AND PLANTING AREAS. ALL GROUND SURFACES SHALL BE FINISHED TO A SMOOTH AND CONTINUOUS GRADE, DRAINING AND FREE OF STANDING WATER.
5. ALL GRADES REFER TO FINISH SURFACE (FS) OF PAVING GRADES UNLESS OTHERWISE NOTED. PROPOSED GRADES HAVE BEEN CONFIGURED TO MEET THE DESIGN INTENT AND HAVE BEEN BASED ON SURVEYOR'S INFORMATION PROVIDED. VERIFY PROPOSED AND EXISTING GRADES IN THE FIELD AS NECESSARY.
6. FINISHED GRADE (FG) IS DEFINED AS SOIL LEVEL PRIOR TO MULCH APPLICATION. FINISH GRADE AT PLANTING AREAS SHALL BE SET SO THAT TOP OF MULCH IS FLUSH WITH ADJACENT PAVING UNLESS OTHERWISE NOTED.

**LAYOUT NOTES**

1. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION AND REPORT AND DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING.
2. WRITTEN DIMENSIONS ON DRAWINGS SUPERSEDE SCALE DIMENSIONS.
3. THE CONTRACTOR SHALL STAKE ALL PAVED AREAS AND FOOTINGS FOR REVIEW BY THE OWNER'S REPRESENTATIVE BEFORE FINAL CONSTRUCTION.

**PLANTING NOTES**

1. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND UTILITY LOCATIONS PRIOR TO COMMENCING LANDSCAPE PLANTING WORK.
2. OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO MAKE SUBSTITUTIONS, ADDITIONS, AND DELETIONS IN THE PLANTING SCHEME AS THE WORK PROGRESSES
3. OWNER'S REPRESENTATIVE SHALL REVIEW PLANT MATERIAL PRIOR TO FINAL PLANTING, LOCATIONS SHOWN ON PLANS ARE DIAGRAMMATIC.
4. SHRUBS AND GROUNDCOVER TO BE TRIANGULAR SPACED, UNLESS OTHERWISE NOTED.
5. WHERE IN-THE-FIELD CONFLICTS ARISE BETWEEN PLANT AND UTILITY LOCATIONS, THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS TO PLANT PLACEMENT WITH THE APPROVAL OF THE OWNER'S REPRESENTATIVE, IN ORDER TO ACHIEVE OPTIMUM DESIGN INTENT.
6. PROTECT EXISTING PLANTS TO REMAIN. AVOID UNNECESSARY ROOT DISTURBANCE, COMPACTION OF SOILS WITHIN DRIP LINE, OR LIMB BREAKAGE. DO NOT STORE MATERIAL OR DISPOSE OF ANY MATERIAL OTHER THAN CLEAN WATER WITHIN DRIP LINE. PROVIDE ADEQUATE IRRIGATION DURING CONSTRUCTION. REPLACE ANY TREE OR SHRUB DAMAGED DURING CONSTRUCTION WITH PLANTS OF EQUAL SIZE AND VALUE AT NO ADDITIONAL COST TO THE OWNER.
7. SEE SPECIFICATIONS AND DETAILS FOR SOIL AMENDMENTS, PLANTING AND MAINTENANCE INSTRUCTIONS.
8. GRADES SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF PLANT MATERIALS. PERFORM FINE GRADING IN ALL PLANTING AREAS AND COORDINATE FINISH GRADE TO ALLOW MULCH DEPTH AS INDICATED IN SPECIFICATIONS.
9. ALL SHRUBS AND GROUNDCOVER AREAS TO RECEIVE 3" OF ORGANIC MULCH, PER SPECIFICATIONS.

**QUALITY CONTROL NOTES**

1. CONTRACTOR IS TO SUBMIT A SUMMARY OF ALL LANDSCAPE SUBMITTALS NECESSARY FOR LANDSCAPE WORK AND ASSOCIATED SCOPE ITEMS FOR APPROVAL. BASED ON THE APPROVED LISTING OF PROJECT LANDSCAPE SUBMITTALS CONTRACTOR IS TO SUBMIT ALL NECESSARY DOCUMENTATION IN ACCORDANCE WITH CONTRACT DOCUMENTS.
2. ALL SHOP DRAWINGS REQUIRED AS PART OF LANDSCAPE IMPROVEMENTS SHALL BE COORDINATED WITH ALL ASSOCIATED DISCIPLINES, SITE AND ARCHITECTURAL CONDITIONS. DRAWINGS SHALL SHOW ADJACENT INFORMATION THAT WILL GIVE CLEAR INDICATION OF THE INTERFACE TO STRUCTURES, FOUNDATIONS, UTILITIES, PROPERTY LINES AND EASEMENTS, AND ANY OTHER NECESSARY INFORMATION.



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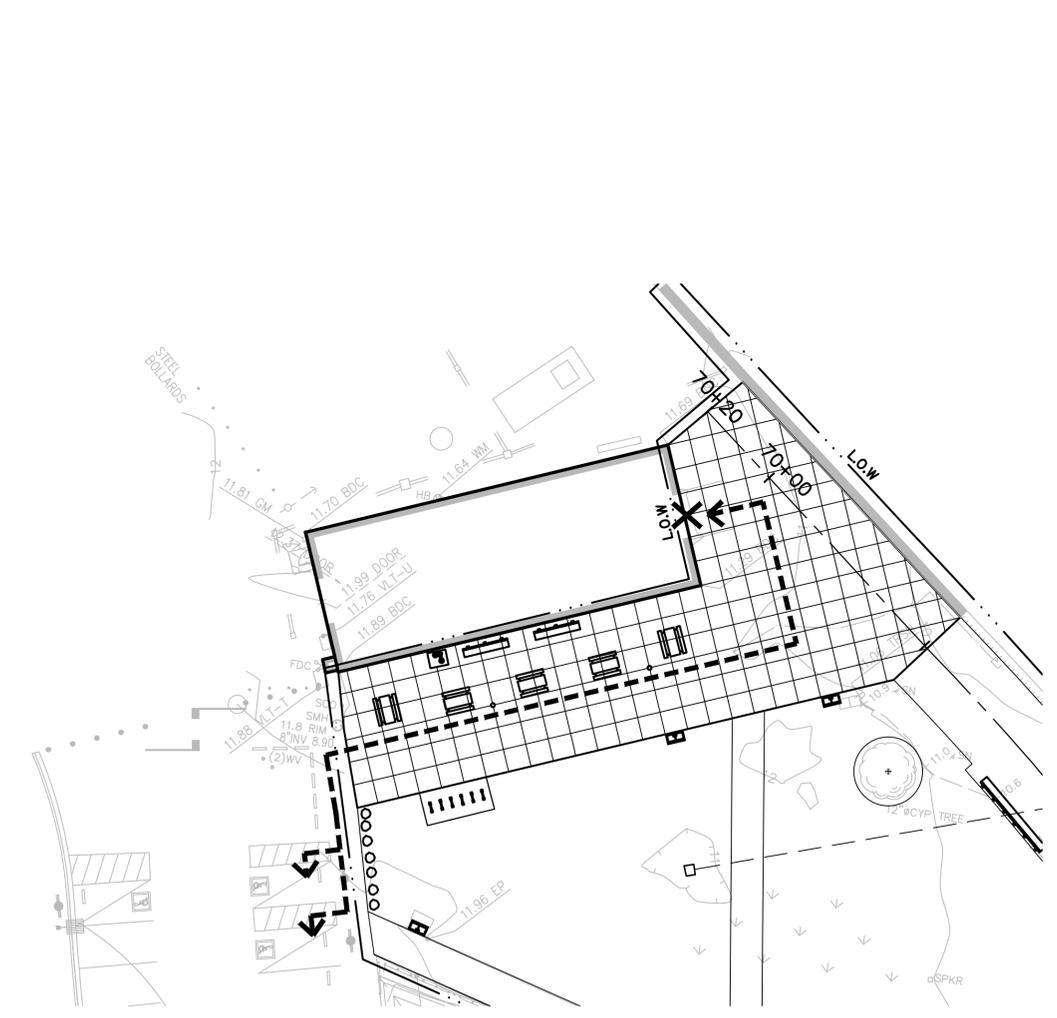
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 @ADD  
 HN/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.

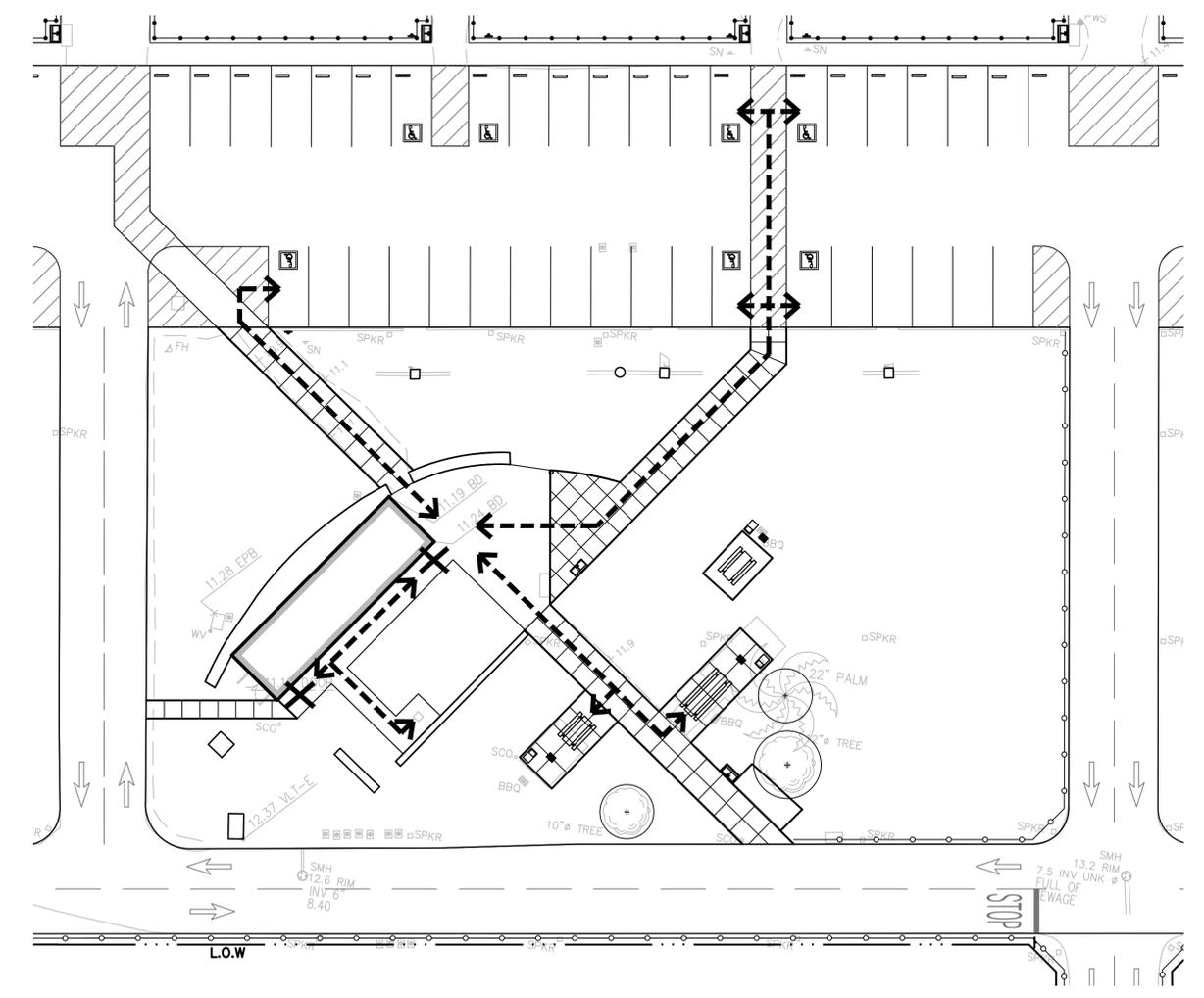
TITLE OF SHEET  
**GENERAL NOTES**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**G0.02**  
 PMIS/PKG. NO.  
 221770  
 SHEET  
**03** OF **XX**

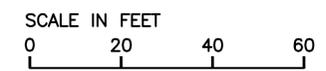
ACCESSIBILITY LEGEND	
SYMBOL	DESCRIPTION
	ACCESSIBLE ROUTE
	ACCESSIBLE POINT OF ENTRY TO BUILDING
	ACCESSIBLE PARKING SPACE



2 WARMING HUT SCALE: 1"=20'-0"



1 EAST BEACH RESTROOM SCALE: 1"=20'-0"



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SUB SHEET NO.

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**ACCESSIBILITY PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**GO.03**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 OF

# DEMOLITION SCHEDULE

## HARDSCAPE / WALLS / FENCE

TAG	SYMBOL	DESCRIPTION	DETAILS / NOTES
P1		SCSP TO BE REMOVED	REMOVE AND STOCKPILE TOP 2" OF CLEAN RECYCLED CRUSHED STONE PAVING. REMOVE AND DISCARD ADDITIONAL 4" OF PAVING MATERIAL & BASE. TOTAL 6" REMOVED. SEE SPEC SECTION 32 15 40.10: RECYCLED CRUSHED STONE PAVING.
P2		PLANTING AREA TO BE CLEARED/GRUBBED	CLEAR AND GRUB EXISTING PLANTING AS SHOWN AND SPECIFIED, IN PREPARATION FOR NEW PLANTING AND/OR PAVING. ADJUST IRRIGATION EQUIPMENT AS REQUIRED TO ENSURE OTHER PLANTING AREAS CONTINUE TO BE IRRIGATED.
P3		ASPHALT PAVING TO REMAIN	PROTECT IN PLACE
P4		SCSP PATH TO REMAIN	REMOVE AND DISCARD COMPLETELY
P5A		CONCRETE TO REMAIN	PROTECT IN PLACE
P5B		CONCRETE TO BE REMOVED	REMOVE AND DISCARD COMPLETELY
P6		GRAVEL SHOULDER TO REMAIN	REMOVE MATERIAL GREATER THAN 1"
F1		FENCE TO REMAIN	PROTECT IN PLACE
W1		(E) WALL TO REMAIN	PROTECT IN PLACE

## UTILITIES / SITE ELEMENTS

S1A		(E) FURNITURE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN	(9) EXISTING BENCHES ARE TO REMAIN IN PLACE. WOOD IS TO BE REMOVED, SANDED, PLANED & RE-ATTACHED. WESTERN-MOST BENCH APPEARS DAMAGED MAY REQUIRE FOOTING / MOUNTING REPAIR PENDING INVESTIGATION.
S1B		(E) FURNITURE TO REMAIN	PROTECT IN PLACE.
S2A		(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN	SEE BID ALT. AND VERIFY WITH OWNERS
S2B		(E) TRASH RECEPTACLE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN	-
S2C		(E) TRASH RECEPTACLE TO BE REMOVED	-
S3A		(E) SIGNAGE TO REMAIN	PROTECT IN PLACE
S3B		(E) SIGNAGE TO REMAIN - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN	-
S4		(E) BOLLARDS TO REMAIN	PROTECT IN PLACE
S5		(E) STONE BOLLARDS TO REMAIN	PROTECT IN PLACE
S6		(E) BIKE RACKS TO REMAIN	WELLE SERIES RACK, SQUARE TUBE, SURFACE FLANGE, WSH36XX-SQ-SF, BIKEPARKING.COM
S7A		(E) POLE / SIGNAGE TO REMAIN	PROTECT IN PLACE
S7B		(E) POLE / SIGNAGE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN	-
S7C		(E) POLE / SIGNAGE - TO BE REMOVED	-
S8		(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN	PROTECT IN PLACE
S9		(E) SLOT DRAIN TO REMAIN	PROTECT IN PLACE
S10		(E) WINDMILLS TO REMAIN	PROTECT IN PLACE
S11		(E) ELECTRICAL CHARGING STATION TO REMAIN	PROTECT IN PLACE
S12A		(E) IRRIGATION EQUIPMENT TO REMAIN	PROTECT IN PLACE
S12B		(E) IRRIGATION EQUIPMENT TO BE REMOVED	-
S13		(E) DRAIN INLET TO REMAIN	PROTECT IN PLACE
S14		(E) TRASH ENCLOSURE TO REMAIN	PROTECT IN PLACE
S15		(E) TRANSFORMER/UTILITY VAULT TO REMAIN	PROTECT IN PLACE
S16		(E) FIRE HYDRANT TO REMAIN	PROTECT IN PLACE
S17		(E) EMERGENCY TELEPHONE TO REMAIN	PROTECT IN PLACE

## LANDSCAPE

L1		(E) TREE TO REMAIN	PROTECT IN PLACE
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### NOTES:

1. ANY DAMAGED SITE FURNITURE, PAVING, UTILITIES, ETC. DURING SITE DEMOLITION PHASE MUST BE REPLACED IN KIND AT NO ADDITIONAL COST TO THE OWNER.

2. FOR ALL ITEMS 'TO REMAIN IN PLACE' WITH EMBED MOUNTING, PROTECT CONCRETE FOOTING DURING ADJACENT PAVING OR SURFACE MATERIAL DEMOLITION AND REMOVAL. ANY DAMAGED FOOTINGS MUST BE REPAIRED OR REPLACED BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.



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 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**D1.00**

PMIS/PKG. NO.  
 221770

SHEET  
**04** OF **XX**

# DEMOLITION SCHEDULE

## HARDSCAPE / WALLS / FENCE

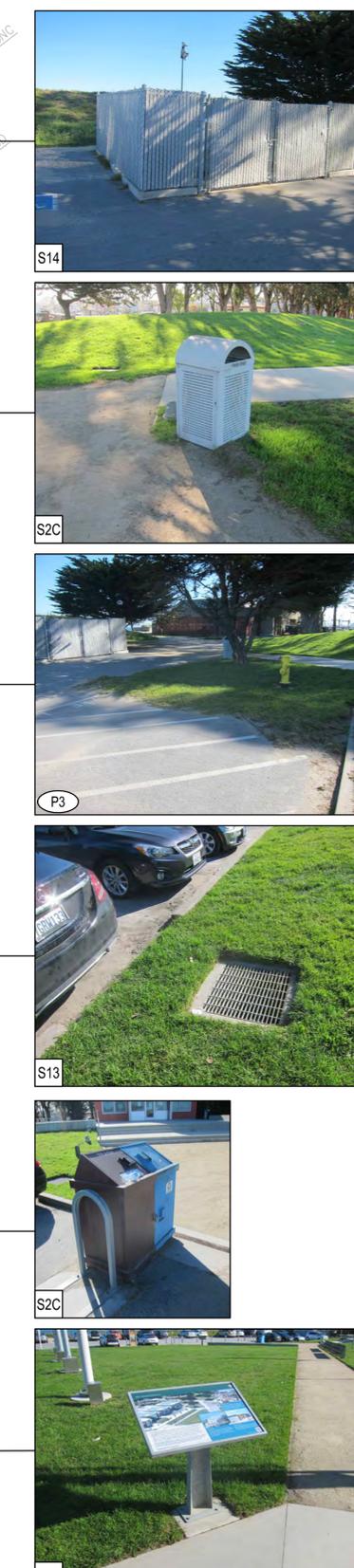
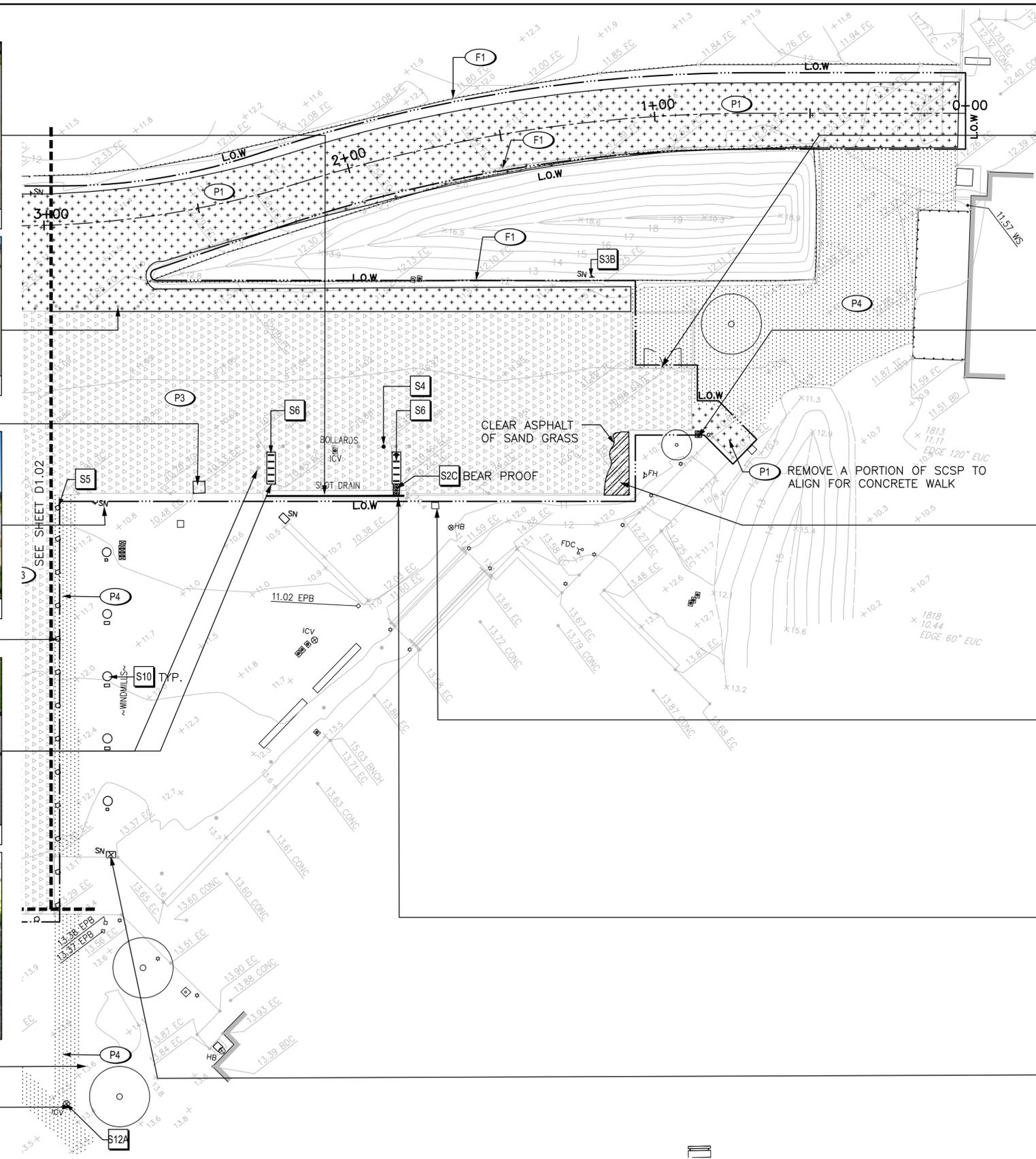
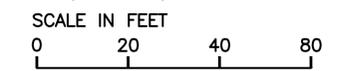
TAG	SYMBOL	DESCRIPTION
(P1)	[Symbol: Dotted pattern]	SCSP TO BE REMOVED
(P2)	[Symbol: Diagonal hatching]	PLANTING AREA TO BE CLEARED/GRUBBED
(P3)	[Symbol: Cross-hatching]	ASPHALT PAVING TO REMAIN
(P4)	[Symbol: Stippled pattern]	SCSP PATH TO REMAIN
(P5A)	[Symbol: Dotted pattern]	CONCRETE TO REMAIN
(P5B)	[Symbol: Dotted pattern]	CONCRETE TO BE REMOVED
(P6)	[Symbol: Stippled pattern]	GRAVEL SHOULDER TO REMAIN
(F1)	[Symbol: Line with 'x' markers]	FENCE TO REMAIN
(W1)	[Symbol: Solid line]	(E) WALL TO REMAIN

## UTILITIES / SITE ELEMENTS

(S1A)	[Symbol: Line]	(E) FURNITURE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S1B)	[Symbol: Line]	(E) FURNITURE TO REMAIN
(S2A)	[Symbol: Square with 'x']	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
(S2B)	[Symbol: Square with 'x']	(E) TRASH RECEPTACLE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S2C)	[Symbol: Square with 'x']	(E) TRASH RECEPTACLE TO BE REMOVED
(S3A)	[Symbol: Arrow]	(E) SIGNAGE TO REMAIN
(S3B)	[Symbol: Arrow]	(E) SIGNAGE TO REMAIN - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S4)	[Symbol: Dotted circle]	(E) BOLLARDS TO REMAIN
(S5)	[Symbol: Circle]	(E) STONE BOLLARDS TO REMAIN
(S6)	[Symbol: Rectangle with lines]	(E) BIKE RACKS TO REMAIN
(S7A)	[Symbol: Circle with dot]	(E) POLE / SIGNAGE TO REMAIN
(S7B)	[Symbol: Circle with dot]	(E) POLE / SIGNAGE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S7C)	[Symbol: Circle with dot]	(E) POLE / SIGNAGE - TO BE REMOVED
(S8)	[Symbol: Circle with dot]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
(S9)	[Symbol: Line]	(E) SLOT DRAIN TO REMAIN
(S10)	[Symbol: Circle]	(E) WINDMILLS TO REMAIN
(S11)	[Symbol: Square]	(E) ELECTRICAL CHARGING STATION TO REMAIN
(S12A)	[Symbol: Square]	(E) IRRIGATION EQUIPMENT TO REMAIN
(S12B)	[Symbol: Square]	(E) IRRIGATION EQUIPMENT TO BE REMOVED
(S13)	[Symbol: Square]	(E) DRAIN INLET TO REMAIN
(S14)	[Symbol: Square]	(E) TRASH ENCLOSURE TO REMAIN
(S15)	[Symbol: Square]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
(S16)	[Symbol: Triangle]	(E) FIRE HYDRANT TO REMAIN
(S17)	[Symbol: Circle]	(E) EMERGENCY TELEPHONE TO REMAIN

## LANDSCAPE

(L1)	[Symbol: Circle]	(E) TREE TO REMAIN
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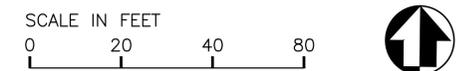


### DEMOLITION SCHEDULE

HARDSCAPE / WALLS / FENCE		
TAG	SYMBOL	DESCRIPTION
(P1)	[Stippled pattern]	SCSP TO BE REMOVED
(P2)	[Diagonal hatching]	PLANTING AREA TO BE CLEARED/GRUBBED
(P3)	[Cross-hatching]	ASPHALT PAVING TO REMAIN
(P4)	[Dotted pattern]	SCSP PATH TO REMAIN
(P5A)	[Stippled pattern]	CONCRETE TO REMAIN
(P5B)	[Stippled pattern]	CONCRETE TO BE REMOVED
(P6)	[Circular pattern]	GRAVEL SHOULDER TO REMAIN
(F1)	[Line with 'x' marks]	FENCE TO REMAIN
(W1)	[Thick line]	(E) WALL TO REMAIN

UTILITIES / SITE ELEMENTS		
TAG	SYMBOL	DESCRIPTION
(S1A)	[Line]	(E) FURNITURE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S1B)	[Line]	(E) FURNITURE TO REMAIN
(S2A)	[Square]	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
(S2B)	[Square]	(E) TRASH RECEPTACLE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S2C)	[Square]	(E) TRASH RECEPTACLE TO BE REMOVED
(S3A)	[Arrow]	(E) SIGNAGE TO REMAIN
(S3B)	[Arrow]	(E) SIGNAGE TO REMAIN - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S4)	[Circle]	(E) BOLLARDS TO REMAIN
(S5)	[Circle]	(E) STONE BOLLARDS TO REMAIN
(S6)	[Rectangles]	(E) BIKE RACKS TO REMAIN
(S7A)	[Circle]	(E) POLE / SIGNAGE TO REMAIN
(S7B)	[Circle]	(E) POLE / SIGNAGE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S7C)	[Circle]	(E) POLE / SIGNAGE - TO BE REMOVED
(S8)	[Circle]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
(S9)	[Line]	(E) SLOT DRAIN TO REMAIN
(S10)	[Circle]	(E) WINDMILLS TO REMAIN
(S11)	[Square]	(E) ELECTRICAL CHARGING STATION TO REMAIN
(S12A)	[Circle]	(E) IRRIGATION EQUIPMENT TO REMAIN
(S12B)	[Circle]	(E) IRRIGATION EQUIPMENT TO BE REMOVED
(S13)	[Line]	(E) DRAIN INLET TO REMAIN
(S14)	[Square]	(E) TRASH ENCLOSURE TO REMAIN
(S15)	[Square]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
(S16)	[Triangle]	(E) FIRE HYDRANT TO REMAIN
(S17)	[Circle]	(E) EMERGENCY TELEPHONE TO REMAIN

LANDSCAPE		
TAG	SYMBOL	DESCRIPTION
(L1)	[Circle]	(E) TREE TO REMAIN



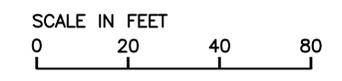
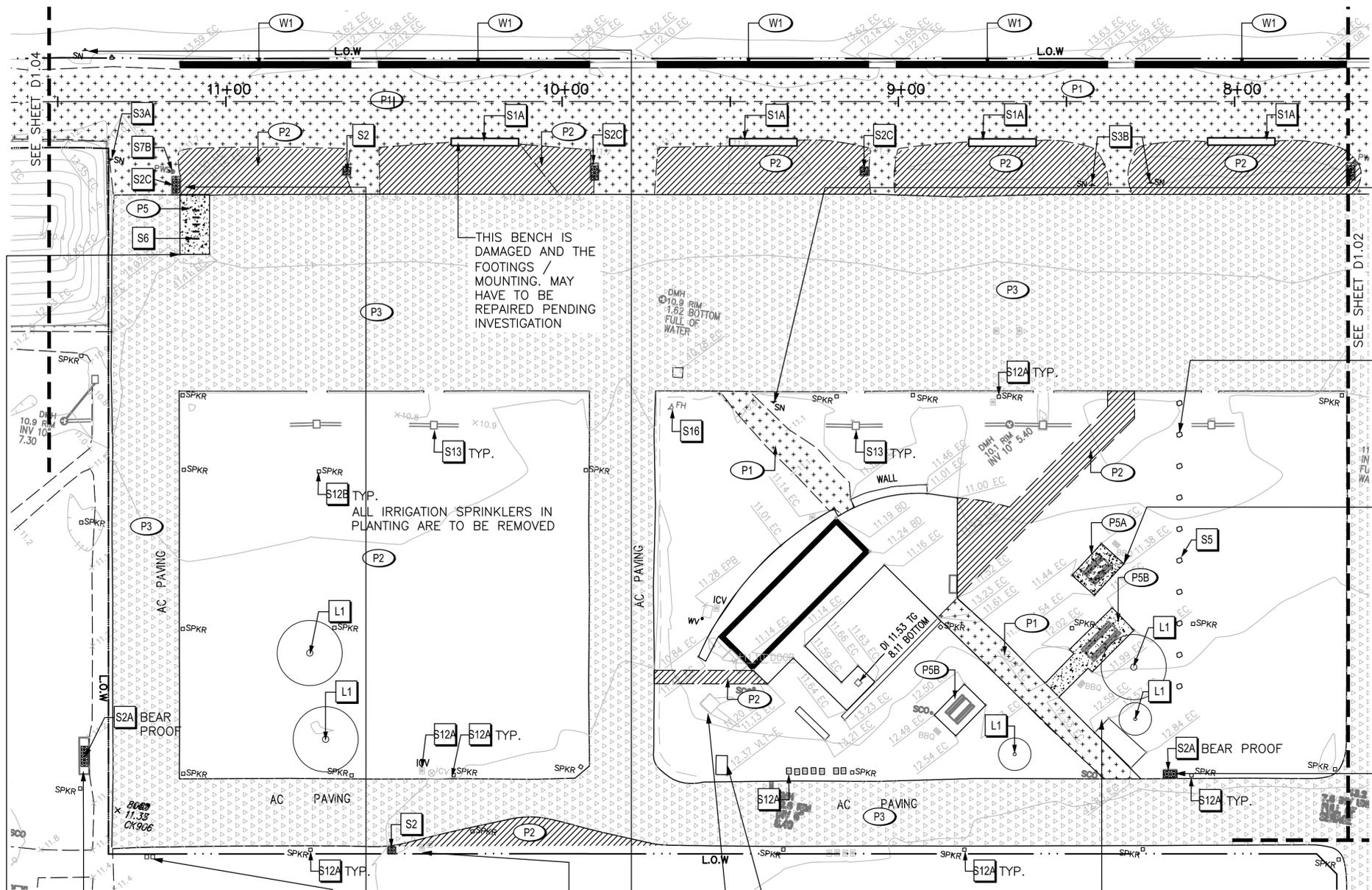
**CMG**  
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 SAN FRANCISCO, CA 94107  
 TELEPHONE: 415/495-3070  
 FACSIMILE: 415/495-3080

DESIGNED:  
 CMG  
 HJ/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.  
 TITLE OF SHEET  
**DEMOLITION PLAN**

CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**D1.02**  
 PMS/PKG NO.  
 221770  
 SHEET  
**03 OF 13**



### DEMOLITION SCHEDULE

HARDSCAPE / WALLS / FENCE		
TAG	SYMBOL	DESCRIPTION
(P1)	[Symbol]	SCSP TO BE REMOVED
(P2)	[Symbol]	PLANTING AREA TO BE CLEARED/GRUBBED
(P3)	[Symbol]	ASPHALT PAVING TO REMAIN
(P4)	[Symbol]	SCSP PATH TO REMAIN
(P5A)	[Symbol]	CONCRETE TO REMAIN
(P5B)	[Symbol]	CONCRETE TO BE REMOVED
(P6)	[Symbol]	GRAVEL SHOULDER TO REMAIN
(F1)	[Symbol]	FENCE TO REMAIN
(W1)	[Symbol]	(E) WALL TO REMAIN

UTILITIES / SITE ELEMENTS		
(S1A)	[Symbol]	(E) FURNITURE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S1B)	[Symbol]	(E) FURNITURE TO REMAIN
(S2A)	[Symbol]	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
(S2B)	[Symbol]	(E) TRASH RECEPTACLE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S2C)	[Symbol]	(E) TRASH RECEPTACLE TO BE REMOVED
(S3A)	[Symbol]	(E) SIGNAGE TO REMAIN
(S3B)	[Symbol]	(E) SIGNAGE TO REMAIN - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S4)	[Symbol]	(E) BOLLARDS TO REMAIN
(S5)	[Symbol]	(E) STONE BOLLARDS TO REMAIN
(S6)	[Symbol]	(E) BIKE RACKS TO REMAIN
(S7A)	[Symbol]	(E) POLE / SIGNAGE TO REMAIN
(S7B)	[Symbol]	(E) POLE / SIGNAGE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S7C)	[Symbol]	(E) POLE / SIGNAGE - TO BE REMOVED
(S8)	[Symbol]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
(S9)	[Symbol]	(E) SLOT DRAIN TO REMAIN
(S10)	[Symbol]	(E) WINDMILLS TO REMAIN
(S11)	[Symbol]	(E) ELECTRICAL CHARGING STATION TO REMAIN
(S12A)	[Symbol]	(E) IRRIGATION EQUIPMENT TO REMAIN
(S12B)	[Symbol]	(E) IRRIGATION EQUIPMENT TO BE REMOVED
(S13)	[Symbol]	(E) DRAIN INLET TO REMAIN
(S14)	[Symbol]	(E) TRASH ENCLOSURE TO REMAIN
(S15)	[Symbol]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
(S16)	[Symbol]	(E) FIRE HYDRANT TO REMAIN
(S17)	[Symbol]	(E) EMERGENCY TELEPHONE TO REMAIN

LANDSCAPE		
(L1)	[Symbol]	(E) TREE TO REMAIN



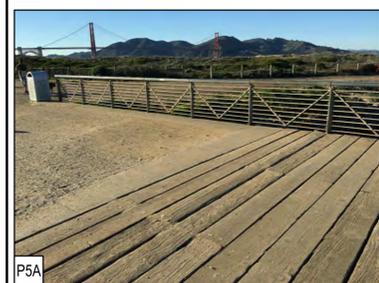
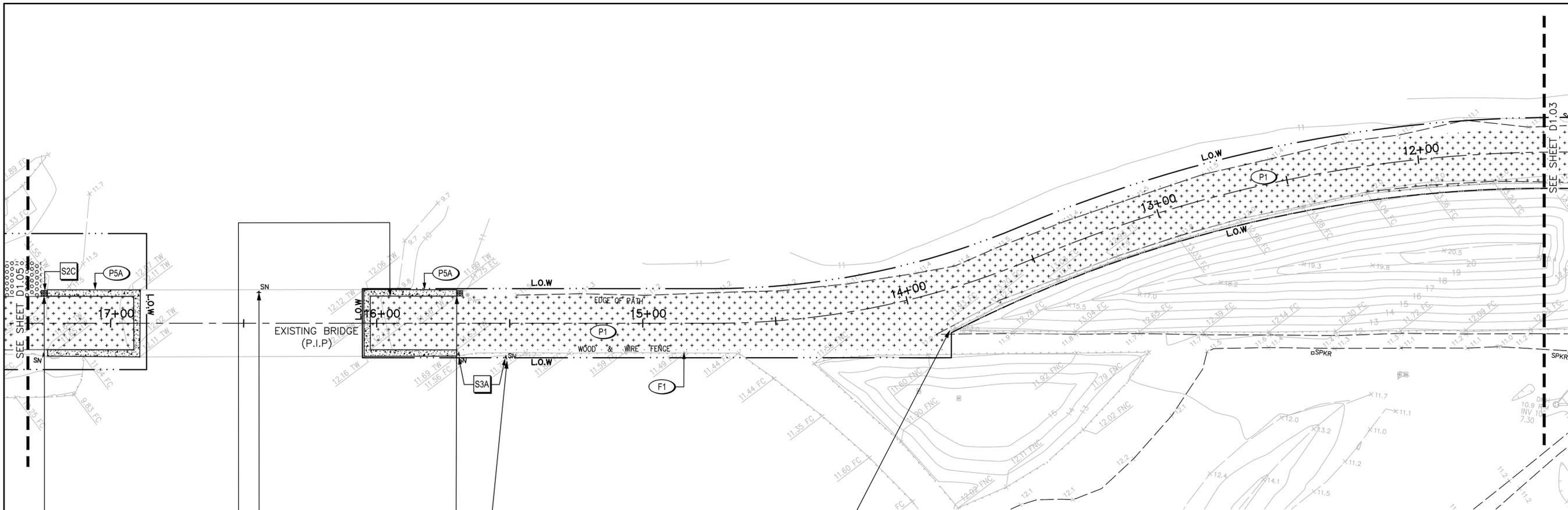
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DESIGNED: CMG  
 HN/JH/RG  
 TECH. REVIEW: KC/GB/CR  
 DATE: 05.20.2016

SUB SHEET NO.  
 TITLE OF SHEET  
**DEMOLITION PLAN**

TITLE OF SHEET  
**DEMOLITION PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**D1.03**  
 PMS/PKG NO.  
 221770  
 SHEET  
**07** OF **XX**



**DEMOLITION SCHEDULE**

**HARDSCAPE / WALLS / FENCE**

TAG	SYMBOL	DESCRIPTION
(P1)	[Stippled pattern]	SCSP TO BE REMOVED
(P2)	[Diagonal hatching]	PLANTING AREA TO BE CLEARED/GRUBBED
(P3)	[Triangular pattern]	ASPHALT PAVING TO REMAIN
(P4)	[Dotted pattern]	SCSP PATH TO REMAIN
(P5A)	[Stippled pattern]	CONCRETE TO REMAIN
(P5B)	[Dotted pattern]	CONCRETE TO BE REMOVED
(P6)	[Circular pattern]	GRAVEL SHOULDER TO REMAIN
(F1)	[Cross-hatching]	FENCE TO REMAIN
(W1)	[Solid black]	(E) WALL TO REMAIN

**UTILITIES / SITE ELEMENTS**

(S1A)	[Line symbol]	(E) FURNITURE – STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S1B)	[Line symbol]	(E) FURNITURE TO REMAIN
(S2A)	[Square symbol]	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
(S2B)	[Square symbol]	(E) TRASH RECEPTACLE – STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S2C)	[Square symbol]	(E) TRASH RECEPTACLE TO BE REMOVED
(S3A)	[Arrow symbol]	(E) SIGNAGE TO REMAIN
(S3B)	[Arrow symbol]	(E) SIGNAGE TO REMAIN – STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S4)	[Circle symbol]	(E) BOLLARDS TO REMAIN

(S5)	[Circle symbol]	(E) STONE BOLLARDS TO REMAIN
(S6)	[Rectangular symbol]	(E) BIKE RACKS TO REMAIN
(S7A)	[Circle with dot symbol]	(E) POLE / SIGNAGE TO REMAIN
(S7B)	[Circle with dot symbol]	(E) POLE / SIGNAGE – STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S7C)	[Circle with dot symbol]	(E) POLE / SIGNAGE – TO BE REMOVED
(S8)	[Circle with dot symbol]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
(S9)	[Line symbol]	(E) SLOT DRAIN TO REMAIN
(S10)	[Circle symbol]	(E) WINDMILLS TO REMAIN
(S11)	[Square symbol]	(E) ELECTRICAL CHARGING STATION TO REMAIN
(S12A)	[Square symbol]	(E) IRRIGATION EQUIPMENT TO REMAIN
(S12B)	[Square symbol]	(E) IRRIGATION EQUIPMENT TO BE REMOVED
(S13)	[Line symbol]	(E) DRAIN INLET TO REMAIN
(S14)	[Rectangular symbol]	(E) TRASH ENCLOSURE TO REMAIN
(S15)	[Square symbol]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
(S16)	[Circle with cross symbol]	(E) FIRE HYDRANT TO REMAIN
(S17)	[Circle with cross symbol]	(E) EMERGENCY TELEPHONE TO REMAIN

**LANDSCAPE**

(L1)	[Circle with cross symbol]	(E) TREE TO REMAIN
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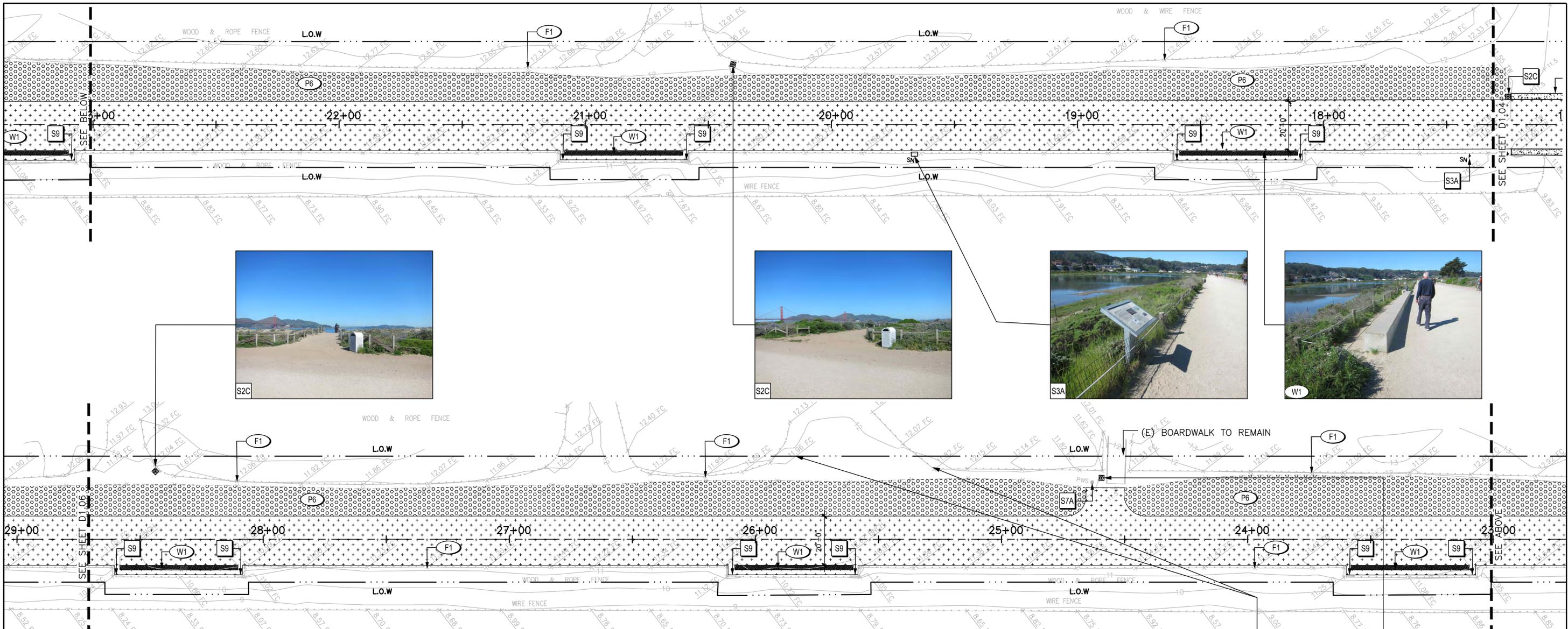
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 FACSIMILE: 415/495-3080

DESIGNED:  
 CMG  
 HN/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.

TITLE OF SHEET  
**DEMOLITION PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**D1.04**  
 PMIS/PKG NO.  
 221770  
 SHEET  
**08** OF **XX**

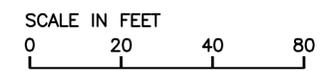


DEMOLITION SCHEDULE		
HARDSCAPE / WALLS / FENCE		
TAG	SYMBOL	DESCRIPTION
P1	[Symbol: Dotted pattern]	SCSP TO BE REMOVED
P2	[Symbol: Diagonal hatching]	PLANTING AREA TO BE CLEARED/GRUBBED
P3	[Symbol: Solid black]	ASPHALT PAVING TO REMAIN
P4	[Symbol: Dotted pattern]	SCSP PATH TO REMAIN
P5A	[Symbol: Dotted pattern]	CONCRETE TO REMAIN
P5B	[Symbol: Dotted pattern]	CONCRETE TO BE REMOVED
P6	[Symbol: Dotted pattern]	GRAVEL SHOULDER TO REMAIN
F1	[Symbol: X-hatch]	FENCE TO REMAIN
W1	[Symbol: Solid black line]	(E) WALL TO REMAIN

UTILITIES / SITE ELEMENTS		
S1A	[Symbol: Rectangle]	(E) FURNITURE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S1B	[Symbol: Rectangle]	(E) FURNITURE TO REMAIN
S2A	[Symbol: Square]	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
S2B	[Symbol: Square]	(E) TRASH RECEPTACLE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S2C	[Symbol: Square]	(E) TRASH RECEPTACLE TO BE REMOVED
S3A	[Symbol: Triangle]	(E) SIGNAGE TO REMAIN
S3B	[Symbol: Triangle]	(E) SIGNAGE TO REMAIN - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S4	[Symbol: Circle]	(E) BOLLARDS TO REMAIN
S5	[Symbol: Circle]	(E) STONE BOLLARDS TO REMAIN
S6	[Symbol: Rectangle]	(E) BIKE RACKS TO REMAIN
S7A	[Symbol: Circle]	(E) POLE / SIGNAGE TO REMAIN
S7B	[Symbol: Circle]	(E) POLE / SIGNAGE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN

S7C	[Symbol: Circle]	(E) POLE / SIGNAGE - TO BE REMOVED
S8	[Symbol: Circle]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
S9	[Symbol: Circle]	(E) SLOT DRAIN TO REMAIN
S10	[Symbol: Circle]	(E) WINDMILLS TO REMAIN
S11	[Symbol: Square]	(E) ELECTRICAL CHARGING STATION TO REMAIN
S12A	[Symbol: Circle]	(E) IRRIGATION EQUIPMENT TO REMAIN
S12E	[Symbol: Circle]	(E) IRRIGATION EQUIPMENT TO BE REMOVED
S13	[Symbol: Square]	(E) DRAIN INLET TO REMAIN
S14	[Symbol: Square]	(E) TRASH ENCLOSURE TO REMAIN
S15	[Symbol: Square]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
S16	[Symbol: Square]	(E) FIRE HYDRANT TO REMAIN
S17	[Symbol: Square]	(E) EMERGENCY TELEPHONE TO REMAIN

LANDSCAPE		
L1	[Symbol: Circle]	(E) TREE TO REMAIN



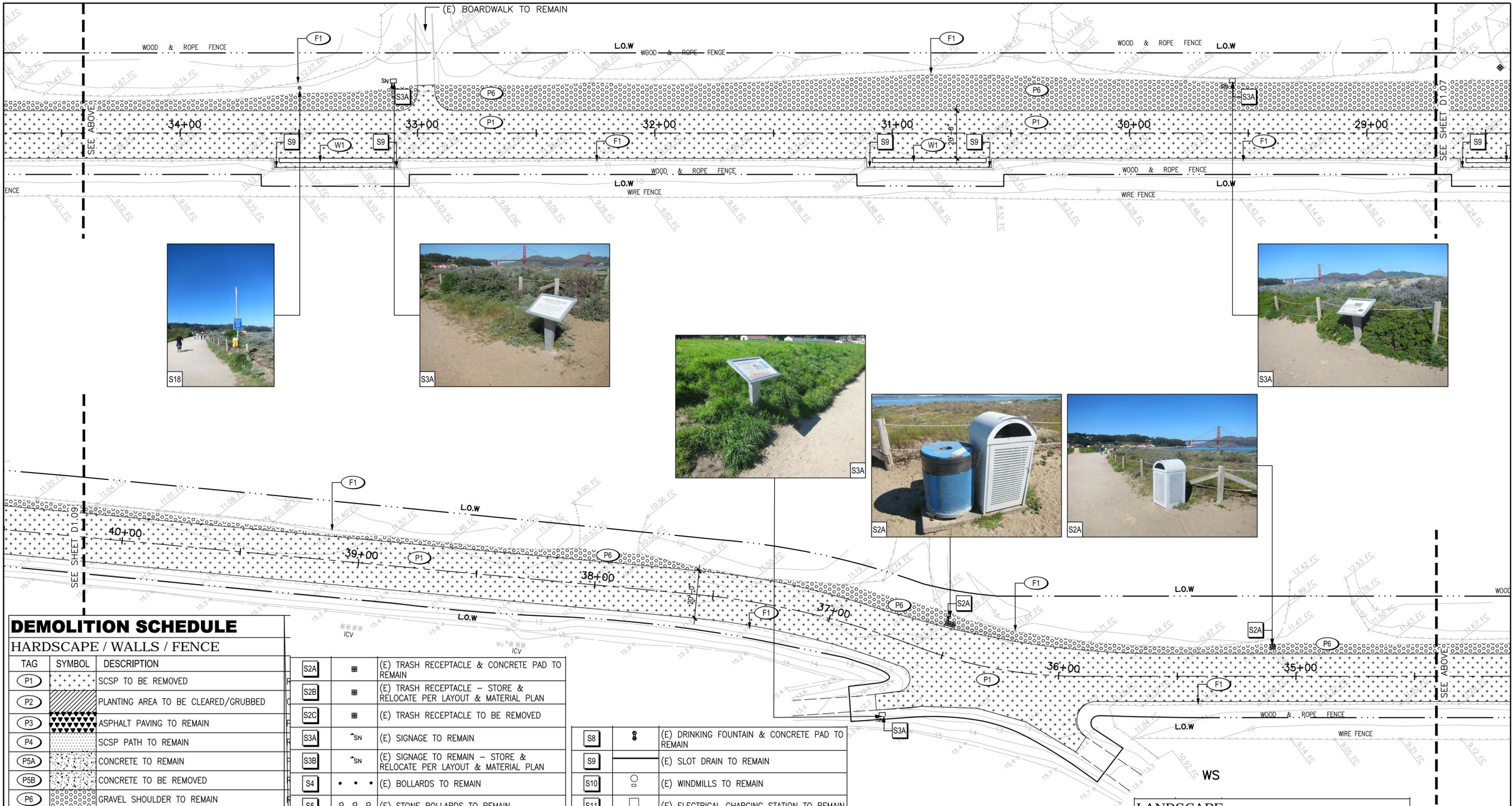
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 HJN/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.  
 TITLE OF SHEET  
**DEMOLITION PLAN**

CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
 D1.05  
 PMIS/PKG NO.  
 221770  
 SHEET  
 09 OF XX



**DEMOLITION SCHEDULE**

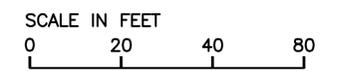
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(P1)	[Symbol]	SCSP TO BE REMOVED
(P2)	[Symbol]	PLANTING AREA TO BE CLEARED/GRUBBED
(P3)	[Symbol]	ASPHALT PAVING TO REMAIN
(P4)	[Symbol]	SCSP PATH TO REMAIN
(P5A)	[Symbol]	CONCRETE TO REMAIN
(P5B)	[Symbol]	CONCRETE TO BE REMOVED
(P6)	[Symbol]	GRAVEL SHOULDER TO REMAIN
(F1)	[Symbol]	FENCE TO REMAIN
(W1)	[Symbol]	(E) WALL TO REMAIN
(S1A)	[Symbol]	(E) FURNITURE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S1B)	[Symbol]	(E) FURNITURE TO REMAIN

(S2A)	[Symbol]	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
(S2B)	[Symbol]	(E) TRASH RECEPTACLE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S2C)	[Symbol]	(E) TRASH RECEPTACLE TO BE REMOVED
(S3A)	[Symbol]	(E) SIGNAGE TO REMAIN
(S3B)	[Symbol]	(E) SIGNAGE TO REMAIN - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S4)	[Symbol]	(E) BOLLARDS TO REMAIN
(S5)	[Symbol]	(E) STONE BOLLARDS TO REMAIN
(S6)	[Symbol]	(E) BIKE RACKS TO REMAIN
(S7A)	[Symbol]	(E) POLE / SIGNAGE TO REMAIN
(S7B)	[Symbol]	(E) POLE / SIGNAGE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S7C)	[Symbol]	(E) POLE / SIGNAGE - TO BE REMOVED

(S8)	[Symbol]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
(S9)	[Symbol]	(E) SLOT DRAIN TO REMAIN
(S10)	[Symbol]	(E) WINDMILLS TO REMAIN
(S11)	[Symbol]	(E) ELECTRICAL CHARGING STATION TO REMAIN
(S12A)	[Symbol]	(E) IRRIGATION EQUIPMENT TO REMAIN
(S12B)	[Symbol]	(E) IRRIGATION EQUIPMENT TO BE REMOVED
(S13)	[Symbol]	(E) DRAIN INLET TO REMAIN
(S14)	[Symbol]	(E) TRASH ENCLOSURE TO REMAIN

(S15)	[Symbol]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
(S16)	[Symbol]	(E) FIRE HYDRANT TO REMAIN
(S17)	[Symbol]	(E) EMERGENCY TELEPHONE TO REMAIN

LANDSCAPE	
(L1)	(E) TREE TO REMAIN



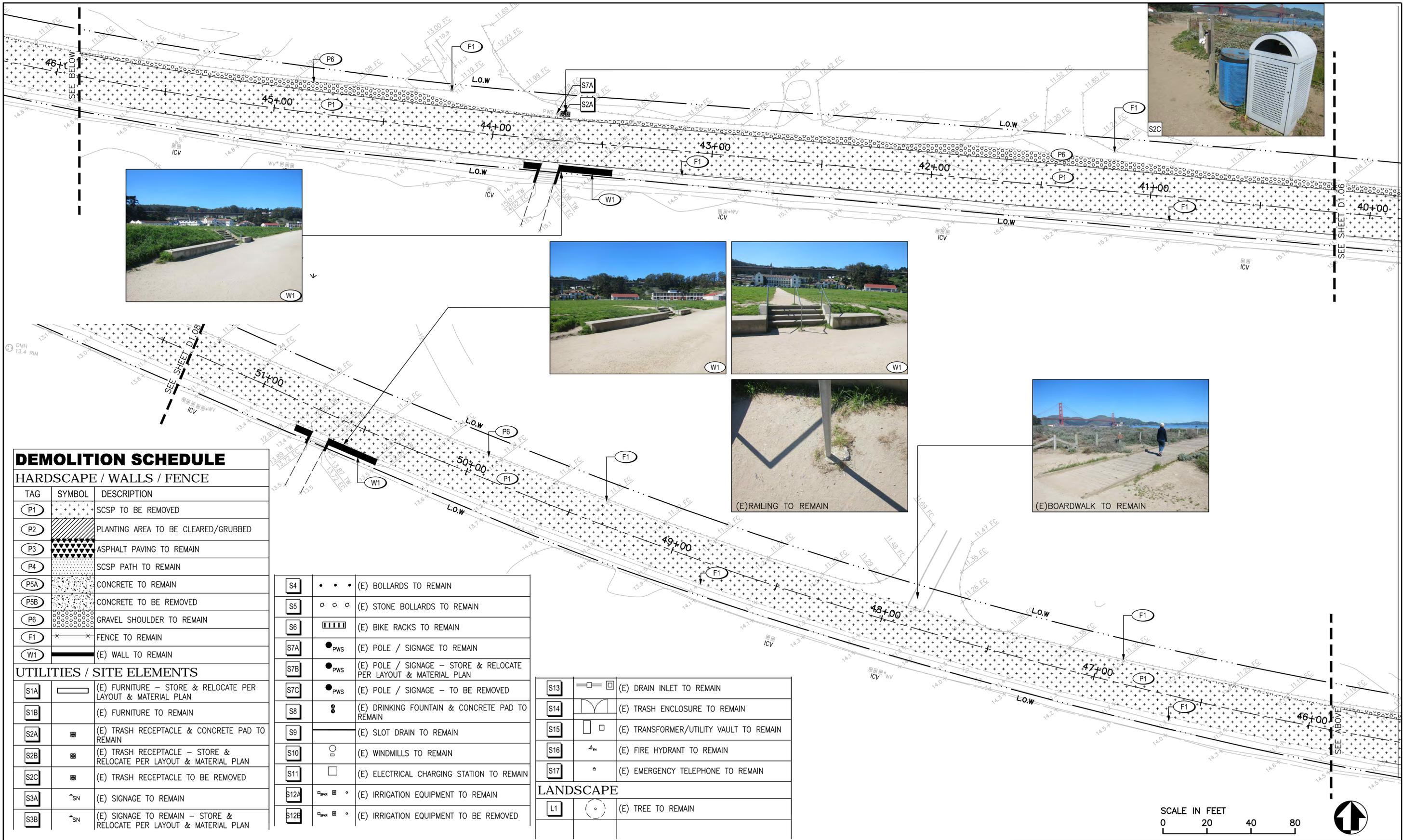
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 HJ/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.

TITLE OF SHEET  
**DEMOLITION PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**D1.06**  
 PMIS/PKG NO.  
 221770  
 SHEET  
**10** OF **XX**



**DEMOLITION SCHEDULE**

**HARDSCAPE / WALLS / FENCE**

TAG	SYMBOL	DESCRIPTION
P1	[Symbol: Dotted pattern]	SCSP TO BE REMOVED
P2	[Symbol: Diagonal hatching]	PLANTING AREA TO BE CLEARED/GRUBBED
P3	[Symbol: Black triangle pattern]	ASPHALT PAVING TO REMAIN
P4	[Symbol: Dotted pattern]	SCSP PATH TO REMAIN
P5A	[Symbol: Dotted pattern]	CONCRETE TO REMAIN
P5B	[Symbol: Dotted pattern]	CONCRETE TO BE REMOVED
P6	[Symbol: Dotted pattern]	GRAVEL SHOULDER TO REMAIN
F1	[Symbol: X pattern]	FENCE TO REMAIN
W1	[Symbol: Solid black line]	(E) WALL TO REMAIN

**UTILITIES / SITE ELEMENTS**

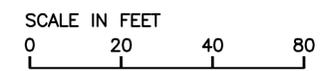
S1A	[Symbol: Double line]	(E) FURNITURE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S1B	[Symbol: Single line]	(E) FURNITURE TO REMAIN
S2A	[Symbol: Square with dot]	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
S2B	[Symbol: Square with dot]	(E) TRASH RECEPTACLE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S2C	[Symbol: Square with dot]	(E) TRASH RECEPTACLE TO BE REMOVED
S3A	[Symbol: Arrow pointing up]	(E) SIGNAGE TO REMAIN
S3B	[Symbol: Arrow pointing up]	(E) SIGNAGE TO REMAIN - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN

S4	[Symbol: Dotted pattern]	(E) BOLLARDS TO REMAIN
S5	[Symbol: Square with dot]	(E) STONE BOLLARDS TO REMAIN
S6	[Symbol: Vertical bars]	(E) BIKE RACKS TO REMAIN
S7A	[Symbol: Circle with dot]	(E) POLE / SIGNAGE TO REMAIN
S7B	[Symbol: Circle with dot]	(E) POLE / SIGNAGE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S7C	[Symbol: Circle with dot]	(E) POLE / SIGNAGE - TO BE REMOVED
S8	[Symbol: Circle with dot]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
S9	[Symbol: Horizontal line]	(E) SLOT DRAIN TO REMAIN
S10	[Symbol: Circle]	(E) WINDMILLS TO REMAIN
S11	[Symbol: Square]	(E) ELECTRICAL CHARGING STATION TO REMAIN
S12A	[Symbol: Square with dot]	(E) IRRIGATION EQUIPMENT TO REMAIN
S12B	[Symbol: Square with dot]	(E) IRRIGATION EQUIPMENT TO BE REMOVED

S13	[Symbol: Square with dot]	(E) DRAIN INLET TO REMAIN
S14	[Symbol: Square with dot]	(E) TRASH ENCLOSURE TO REMAIN
S15	[Symbol: Square with dot]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
S16	[Symbol: Square with dot]	(E) FIRE HYDRANT TO REMAIN
S17	[Symbol: Square with dot]	(E) EMERGENCY TELEPHONE TO REMAIN

**LANDSCAPE**

L1	[Symbol: Circle with dot]	(E) TREE TO REMAIN
----	---------------------------	--------------------



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SUB SHEET NO.

TITLE OF SHEET  
**DEMOLITION PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**D1.07**  
 PMIS/PKG NO.  
 221770  
 SHEET  
**11** OF **XX**



**DEMOLITION SCHEDULE**

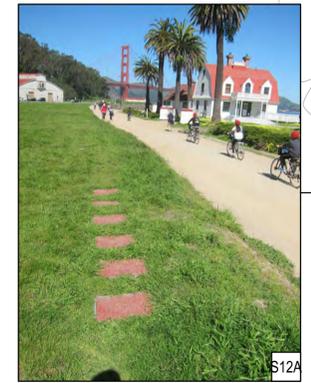
HARDSCAPE / WALLS / FENCE		
TAG	SYMBOL	DESCRIPTION
(P1)	[Pattern]	SCSP TO BE REMOVED
(P2)	[Pattern]	PLANTING AREA TO BE CLEARED/GRUBBED
(P3)	[Pattern]	ASPHALT PAVING TO REMAIN
(P4)	[Pattern]	SCSP PATH TO REMAIN
(P5A)	[Pattern]	CONCRETE TO REMAIN
(P5B)	[Pattern]	CONCRETE TO BE REMOVED
(P6)	[Pattern]	GRAVEL SHOULDER TO REMAIN
(F1)	[Symbol]	FENCE TO REMAIN
(W1)	[Symbol]	(E) WALL TO REMAIN

**UTILITIES / SITE ELEMENTS**

S1A	[Symbol]	(E) FURNITURE – STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S1B	[Symbol]	(E) FURNITURE TO REMAIN
S2A	[Symbol]	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
S2B	[Symbol]	(E) TRASH RECEPTACLE – STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S2C	[Symbol]	(E) TRASH RECEPTACLE TO BE REMOVED
S3A	[Symbol]	(E) SIGNAGE TO REMAIN
S3B	[Symbol]	(E) SIGNAGE TO REMAIN – STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S4	[Symbol]	(E) BOLLARDS TO REMAIN
S5	[Symbol]	(E) STONE BOLLARDS TO REMAIN
S6	[Symbol]	(E) BIKE RACKS TO REMAIN
S7A	[Symbol]	(E) POLE / SIGNAGE TO REMAIN
S7B	[Symbol]	(E) POLE / SIGNAGE – STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
S7C	[Symbol]	(E) POLE / SIGNAGE – TO BE REMOVED
S8	[Symbol]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
S9	[Symbol]	(E) SLOT DRAIN TO REMAIN
S10	[Symbol]	(E) WINDMILLS TO REMAIN
S11	[Symbol]	(E) ELECTRICAL CHARGING STATION TO REMAIN
S12A	[Symbol]	(E) IRRIGATION EQUIPMENT TO REMAIN
S12B	[Symbol]	(E) IRRIGATION EQUIPMENT TO BE REMOVED
S13	[Symbol]	(E) DRAIN INLET TO REMAIN
S14	[Symbol]	(E) TRASH ENCLOSURE TO REMAIN
S15	[Symbol]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
S16	[Symbol]	(E) FIRE HYDRANT TO REMAIN
S17	[Symbol]	(E) EMERGENCY TELEPHONE TO REMAIN

**LANDSCAPE**

L1	[Symbol]	(E) TREE TO REMAIN
----	----------	--------------------



**CMG**  
**CONGER MOSS GUILLARD**  
 500 THIRD STREET SUITE 215  
 SAN FRANCISCO, CA 94107  
 TELEPHONE: 415/495-3070  
 FACSIMILE: 415/495-3080

DESIGNED:  
 CMG  
 HN/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.  
 \_\_\_\_\_

TITLE OF SHEET  
**DEMOLITION PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**D1.08**  
 PMIS/PKG NO.  
 221770  
 SHEET  
**12** OF **XX**

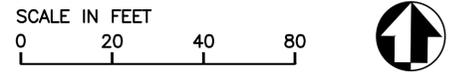


### DEMOLITION SCHEDULE

HARDSCAPE / WALLS / FENCE		
TAG	SYMBOL	DESCRIPTION
(P1)	[Symbol: Dotted pattern]	SCSP TO BE REMOVED
(P2)	[Symbol: Diagonal hatching]	PLANTING AREA TO BE CLEARED/GRUBBED
(P3)	[Symbol: Solid black]	ASPHALT PAVING TO REMAIN
(P4)	[Symbol: Dotted pattern]	SCSP PATH TO REMAIN
(P5A)	[Symbol: Dotted pattern]	CONCRETE TO REMAIN
(P5B)	[Symbol: Dotted pattern]	CONCRETE TO BE REMOVED
(P6)	[Symbol: Dotted pattern]	GRAVEL SHOULDER TO REMAIN
(F1)	[Symbol: Dashed line]	FENCE TO REMAIN
(W1)	[Symbol: Solid line]	(E) WALL TO REMAIN

UTILITIES / SITE ELEMENTS		
TAG	SYMBOL	DESCRIPTION
(S1A)	[Symbol: Rectangle]	(E) FURNITURE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S1B)	[Symbol: Rectangle]	(E) FURNITURE TO REMAIN
(S2A)	[Symbol: Square]	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
(S2B)	[Symbol: Square]	(E) TRASH RECEPTACLE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S2C)	[Symbol: Square]	(E) TRASH RECEPTACLE TO BE REMOVED
(S3A)	[Symbol: Triangle]	(E) SIGNAGE TO REMAIN
(S3B)	[Symbol: Triangle]	(E) SIGNAGE TO REMAIN - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S4)	[Symbol: Circle]	(E) BOLLARDS TO REMAIN
(S5)	[Symbol: Circle]	(E) STONE BOLLARDS TO REMAIN
(S6)	[Symbol: Rectangle]	(E) BIKE RACKS TO REMAIN
(S7A)	[Symbol: Circle]	(E) POLE / SIGNAGE TO REMAIN
(S7B)	[Symbol: Circle]	(E) POLE / SIGNAGE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S7C)	[Symbol: Circle]	(E) POLE / SIGNAGE - TO BE REMOVED
(S8)	[Symbol: Circle]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
(S9)	[Symbol: Circle]	(E) SLOT DRAIN TO REMAIN
(S10)	[Symbol: Circle]	(E) WINDMILLS TO REMAIN
(S11)	[Symbol: Square]	(E) ELECTRICAL CHARGING STATION TO REMAIN
(S12A)	[Symbol: Circle]	(E) IRRIGATION EQUIPMENT TO REMAIN
(S12B)	[Symbol: Circle]	(E) IRRIGATION EQUIPMENT TO BE REMOVED
(S13)	[Symbol: Square]	(E) DRAIN INLET TO REMAIN
(S14)	[Symbol: Square]	(E) TRASH ENCLOSURE TO REMAIN
(S15)	[Symbol: Square]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
(S16)	[Symbol: Triangle]	(E) FIRE HYDRANT TO REMAIN
(S17)	[Symbol: Triangle]	(E) EMERGENCY TELEPHONE TO REMAIN

LANDSCAPE		
TAG	SYMBOL	DESCRIPTION
(L1)	[Symbol: Circle]	(E) TREE TO REMAIN



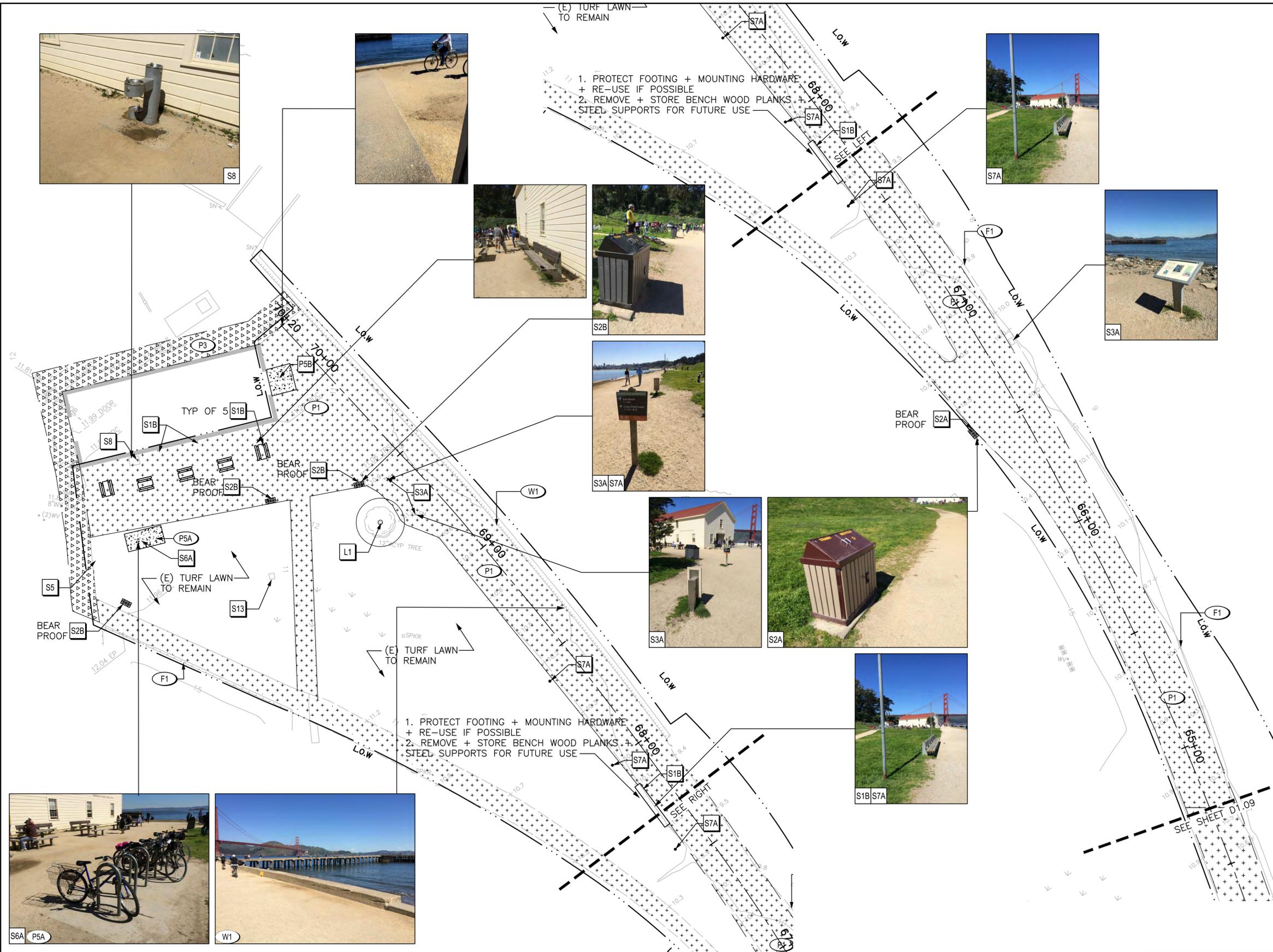
**CMG**  
**CONGER MOSS GUILLARD**  
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 TELEPHONE: 415/495-3070  
 FACSIMILE: 415/495-3080

DESIGNED:  
 CMG  
 HJ/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.  
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TITLE OF SHEET  
**DEMOLITION PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**D1.09**  
 PMIS/PKG NO.  
 221770  
 SHEET  
**13** OF **XX**



1. PROTECT FOOTING + MOUNTING HARDWARE + RE-USE IF POSSIBLE  
 2. REMOVE + STORE BENCH WOOD PLANKS + STEEL SUPPORTS FOR FUTURE USE

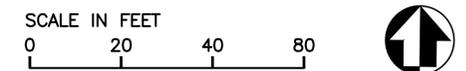
1. PROTECT FOOTING + MOUNTING HARDWARE + RE-USE IF POSSIBLE  
 2. REMOVE + STORE BENCH WOOD PLANKS + STEEL SUPPORTS FOR FUTURE USE

### DEMOLITION SCHEDULE

HARDSCAPE / WALLS / FENCE		
TAG	SYMBOL	DESCRIPTION
(P1)	[Symbol]	SCSP TO BE REMOVED
(P2)	[Symbol]	PLANTING AREA TO BE CLEARED/GRUBBED
(P3)	[Symbol]	ASPHALT PAVING TO REMAIN
(P4)	[Symbol]	SCSP PATH TO REMAIN
(P5A)	[Symbol]	CONCRETE TO REMAIN
(P5B)	[Symbol]	CONCRETE TO BE REMOVED
(P6)	[Symbol]	GRAVEL SHOULDER TO REMAIN
(F1)	[Symbol]	FENCE TO REMAIN
(W1)	[Symbol]	(E) WALL TO REMAIN

UTILITIES / SITE ELEMENTS		
(S1A)	[Symbol]	(E) FURNITURE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S1B)	[Symbol]	(E) FURNITURE TO REMAIN
(S2A)	[Symbol]	(E) TRASH RECEPTACLE & CONCRETE PAD TO REMAIN
(S2B)	[Symbol]	(E) TRASH RECEPTACLE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S2C)	[Symbol]	(E) TRASH RECEPTACLE TO BE REMOVED
(S3A)	[Symbol]	(E) SIGNAGE TO REMAIN
(S3B)	[Symbol]	(E) SIGNAGE TO REMAIN - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S4)	[Symbol]	(E) BOLLARDS TO REMAIN
(S5)	[Symbol]	(E) STONE BOLLARDS TO REMAIN
(S6)	[Symbol]	(E) BIKE RACKS TO REMAIN
(S7A)	[Symbol]	(E) POLE / SIGNAGE TO REMAIN
(S7B)	[Symbol]	(E) POLE / SIGNAGE - STORE & RELOCATE PER LAYOUT & MATERIAL PLAN
(S7C)	[Symbol]	(E) POLE / SIGNAGE - TO BE REMOVED
(S8)	[Symbol]	(E) DRINKING FOUNTAIN & CONCRETE PAD TO REMAIN
(S9)	[Symbol]	(E) SLOT DRAIN TO REMAIN
(S10)	[Symbol]	(E) WINDMILLS TO REMAIN
(S11)	[Symbol]	(E) ELECTRICAL CHARGING STATION TO REMAIN
(S12A)	[Symbol]	(E) IRRIGATION EQUIPMENT TO REMAIN
(S12B)	[Symbol]	(E) IRRIGATION EQUIPMENT TO BE REMOVED
(S13)	[Symbol]	(E) DRAIN INLET TO REMAIN
(S14)	[Symbol]	(E) TRASH ENCLOSURE TO REMAIN
(S15)	[Symbol]	(E) TRANSFORMER/UTILITY VAULT TO REMAIN
(S16)	[Symbol]	(E) FIRE HYDRANT TO REMAIN
(S17)	[Symbol]	(E) EMERGENCY TELEPHONE TO REMAIN

LANDSCAPE		
(L1)	[Symbol]	(E) TREE TO REMAIN



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DESIGNED: CMG  
 HN/JH/RG  
 TECH. REVIEW: KC/GB/CR  
 DATE: 05.20.2016

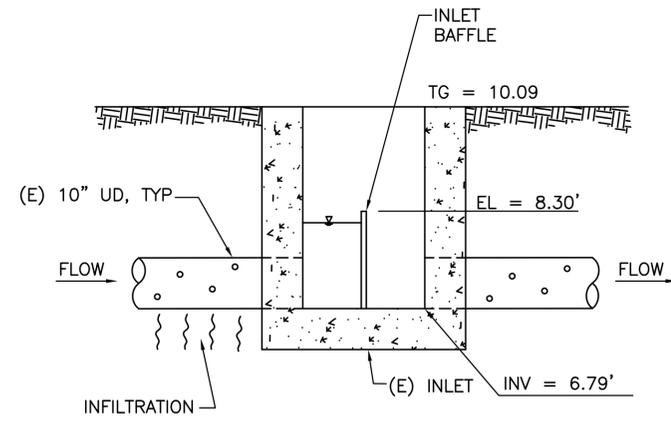
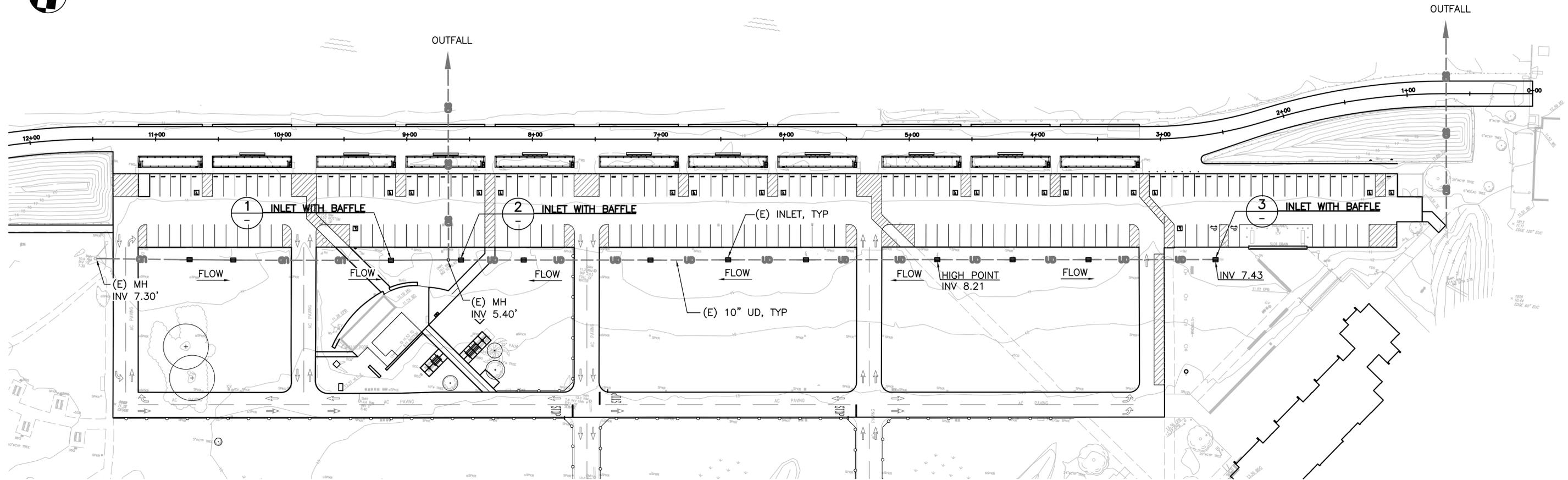
SUB SHEET NO.

TITLE OF SHEET  
**DEMOLITION PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

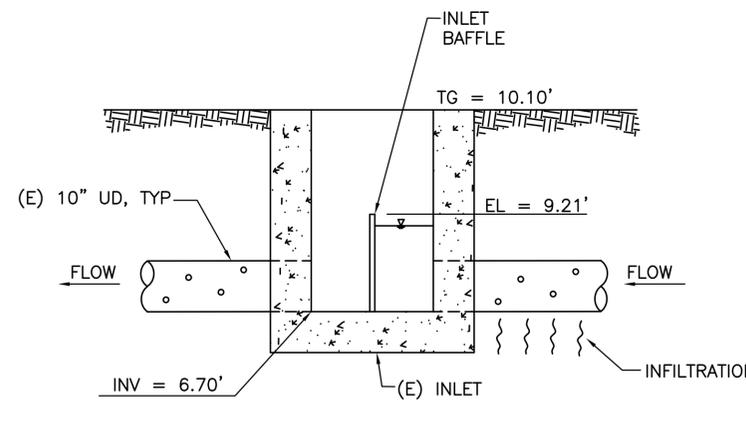
DRAWING NO.  
**D1.10**  
 PMIS/PKG NO.  
 221770  
 SHEET  
**14** OF **XX**



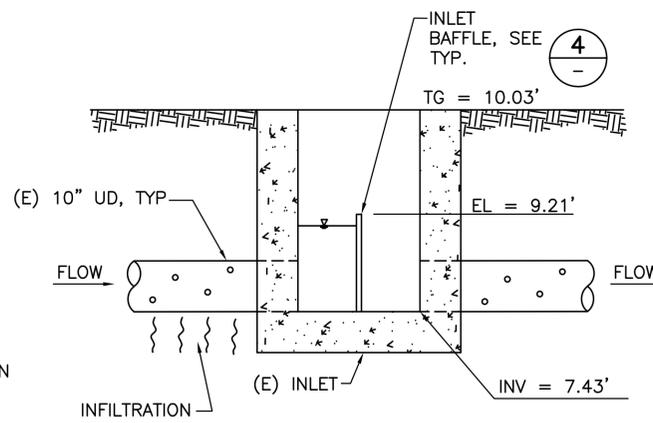
SAN FRANCISCO BAY



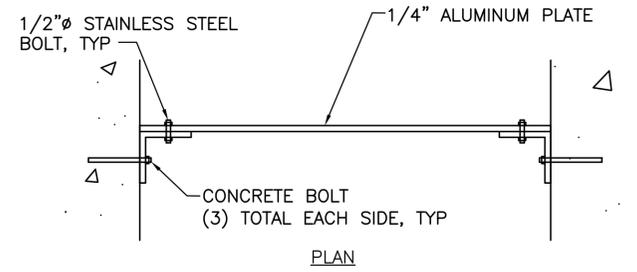
1 SECTION-INLET WITH BAFFLE  
NOT TO SCALE



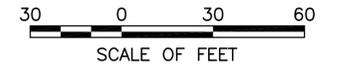
2 SECTION-INLET WITH BAFFLE  
NOT TO SCALE



3 SECTION-INLET WITH BAFFLE  
NOT TO SCALE



4 DETAIL-INLET BAFFLE  
NOT TO SCALE



**moffatt & nichol**  
2185 N. CALIFORNIA BLVD  
SUITE 500  
WALNUT CREEK, CA 94596

DESIGNED:  
M&N  
GAD  
NK  
TECH. REVIEW:  
BP  
DATE:  
05.20.2016

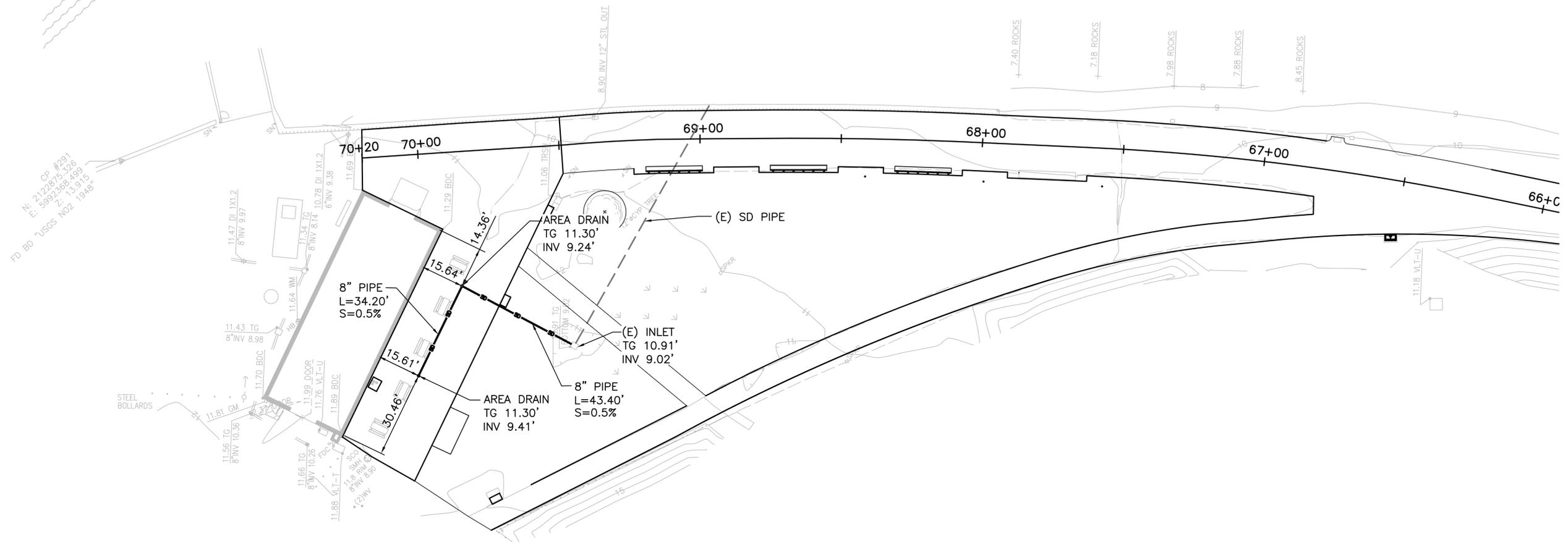
SUB SHEET NO.

TITLE OF SHEET  
**EAST BEACH  
DRAINAGE PLAN**  
CRISSY FIELD: PROMENADE RESURFACING  
AND EAST BEACH PARKING RECONFIGURATION  
GOLDEN GATE NATIONAL RECREATION AREA  
THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**C1.01**  
PMIS/PKG. NO.  
221770  
SHEET  
OF



SAN FRANCISCO BAY



NOTE:

1. EXACT LOCATION OF NEW AREA DRAINS AND SD PIPE TO BE COORDINATED WITH FOOTINGS OF EXISTING FURNITURE TO REMAIN. VERIFY IN FIELD.



**moffatt & nichol**  
 2185 N. CALIFORNIA BLVD  
 SUITE 500  
 WALNUT CREEK, CA 94596

DESIGNED:  
 M&N  
 @AED  
 NK  
 TECH. REVIEW:  
 BP  
 DATE:  
 05.20.2016

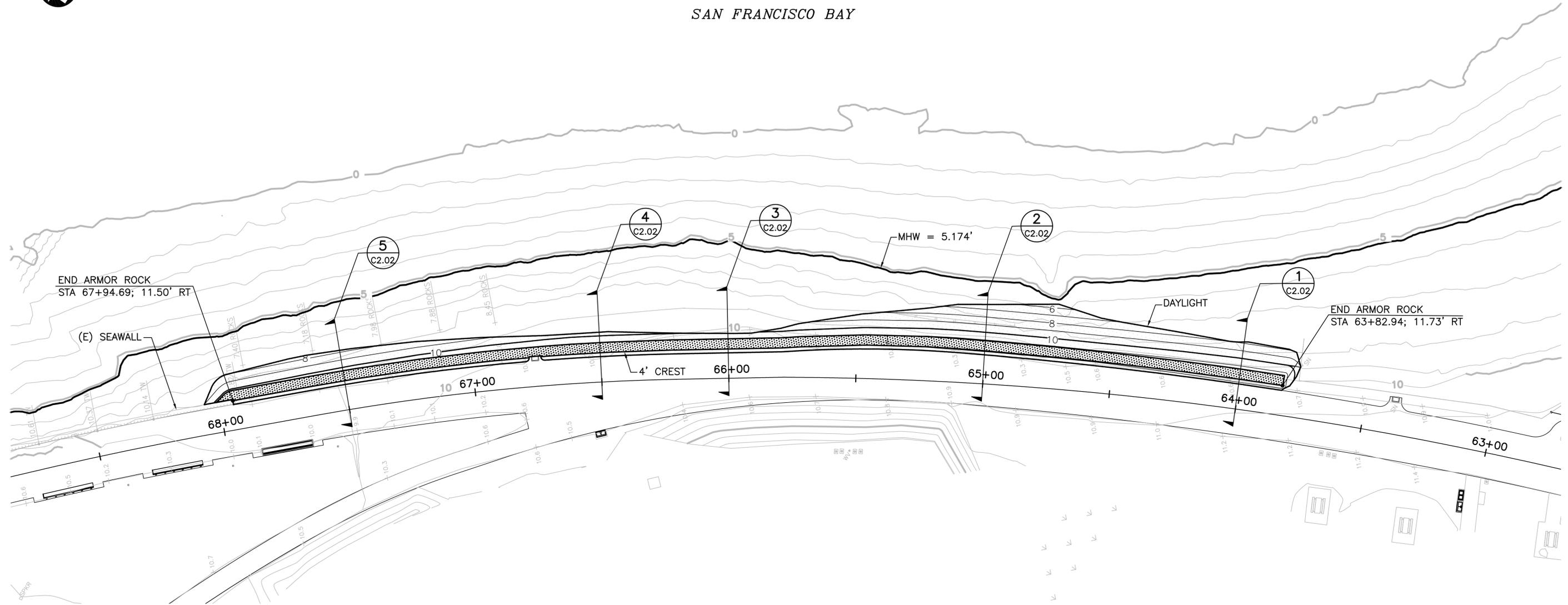
SUB SHEET NO.

TITLE OF SHEET  
**WEST BLUFF  
 DRAINAGE PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**C1.02**  
 PMIS/PKG. NO.  
 221770  
 SHEET  
 OF



SAN FRANCISCO BAY



PLAN  
SCALE: 1"=20'

STATION	CREST	DAYLIGHT
	DATA POINTS	DATA POINTS
	OFFSET	OFFSET
63+77.26	15.75' RT	26.06' RT
64+00.00	15.81' RT	26.78' RT
64+50.00	16.18' RT	28.80' RT
64+75.00	16.51' RT	33.14' RT
65+00.00	16.96' RT	31.23' RT
65+50.00	16.95' RT	24.97' RT
66+00.00	15.50' RT	17.64' RT
66+50.00	15.48' RT	19.57' RT
67+00.00	15.45' RT	21.32' RT
67+50.00	15.47' RT	23.59' RT
67+94.69	15.50' RT	21.98' RT

LEGEND:

-  4' CREST
-  ROCK



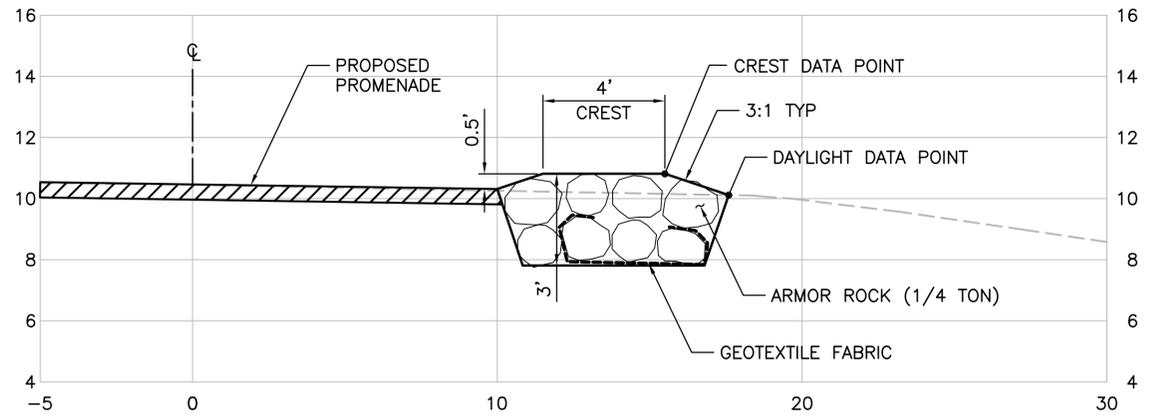
**moffatt & nichol**  
2185 N. CALIFORNIA BLVD  
SUITE 500  
WALNUT CREEK, CA 94596

DESIGNED:  
M&N  
CAND  
NK  
TECH. REVIEW:  
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DATE:  
05.20.2016

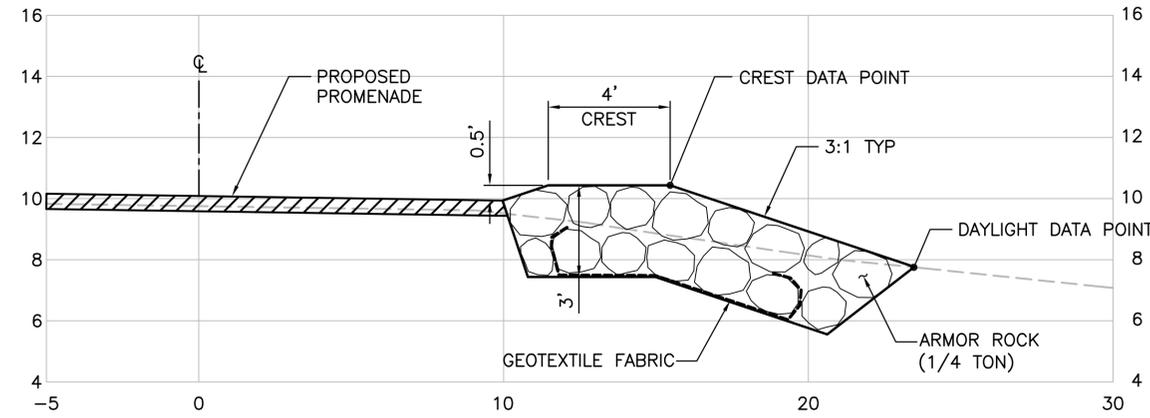
SUB SHEET NO.

TITLE OF SHEET  
**ROCK SHORE PROTECTION PLAN**  
CRISSY FIELD: PROMENADE RESURFACING  
AND EAST BEACH PARKING RECONFIGURATION  
GOLDEN GATE NATIONAL RECREATION AREA  
THE PRESIDIO OF SAN FRANCISCO

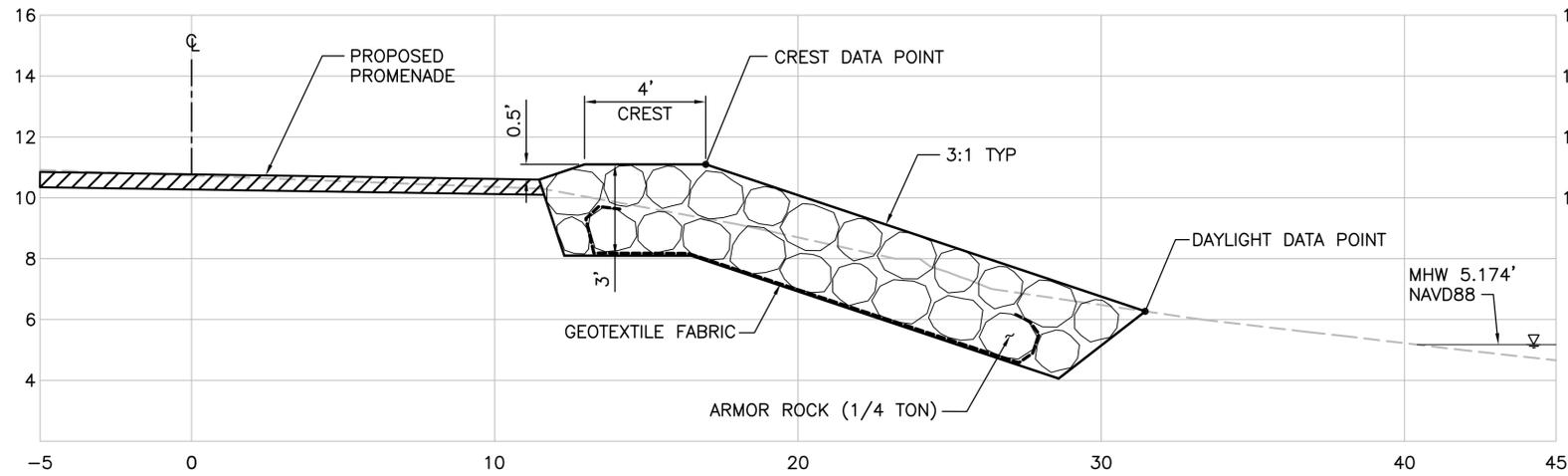
DRAWING NO.  
**C2.01**  
PMIS/PKG. NO.  
221770  
SHEET  
OF



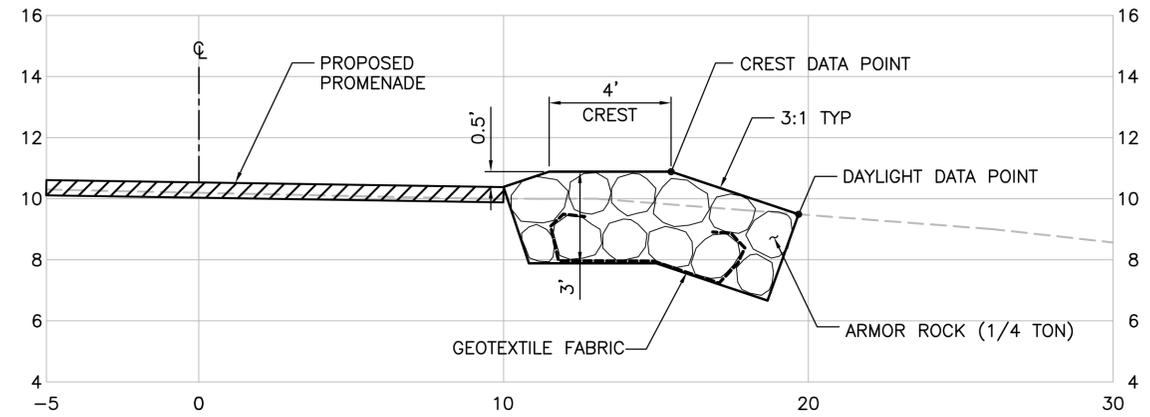
1 STA 66+00  
C2.01 1"=3'



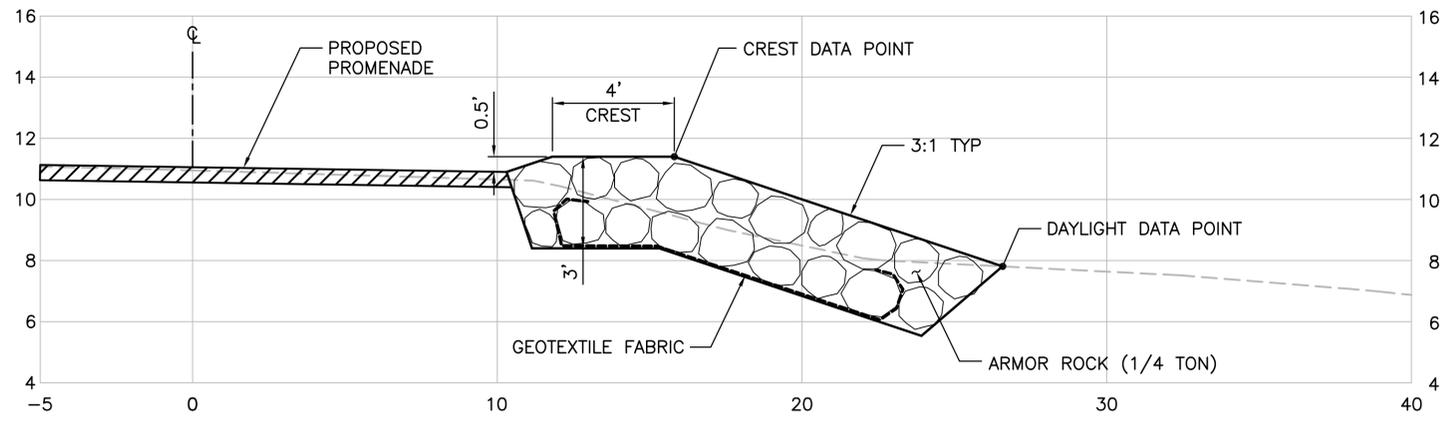
5 STA 67+50  
C2.01 1"=3'



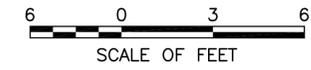
2 STA 65+00  
C2.01 1"=3'



4 STA 66+50  
C2.01 1"=3'



1 STA 64+00  
C2.01 1"=3'



**moffatt & nichol**  
2185 N. CALIFORNIA BLVD  
SUITE 500  
WALNUT CREEK, CA 94596

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TECH. REVIEW:  
BP  
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SUB SHEET NO.

TITLE OF SHEET  
**ROCK SHORE PROTECTION SECTIONS**  
CRISSY FIELD: PROMENADE RESURFACING AND EAST BEACH PARKING RECONFIGURATION  
GOLDEN GATE NATIONAL RECREATION AREA  
THE PRESIDIO OF SAN FRANCISCO

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221770  
SHEET  
OF

## GENERAL LEGEND

SYMBOL	DESCRIPTION
	PAVING MATERIAL DESIGNATION
	SITE ELEMENT
	SITE FURNISHING
	MATCH LINE
	LIMIT OF WORK
	STATION MARKER
	EXPANSION JOINT
	SITE SECTION OR ELEVATION CALL-OUT
	DETAIL CALL-OUT
	ACCESSIBLE PARKING, SEE P6
	ELECTRIC VEHICLE PARKING / CHARGING STATION, MATCH EXISTING
	DIRECTIONAL PAVING MARKING SEE P5

## ABBREVIATIONS

EJ	EXPANSION JOINT
EQ	EQUAL
PA	PLANTING AREA
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V.I.F.	VERIFY IN FIELD

## ALTERNATE SCHEDULE

- 1A. NEW TRASH / RECYCLE RECEPTACLE - ADD
- 1B. ALL RECEPTACLES TO REMAIN - BASE BID
- 2A. NEW STEEL BOLLARDS (FIXED AND REMOVABLE) - ADD
- 2B. EXISTING BOLLARDS TO REMAIN - BASE BID
- 3A. TEMPORARY FENCING AT DRIVE AISLE EDGE - ADD
- 3B. NO FENCING - BASE BID
- 4A. EAST BEACH RESTROOM AREA IMPROVEMENTS - ADD
- 4B. NO WORK AT RESTROOM AREA - BASE BID

## MATERIALS SCHEDULE

### PAVING

TAG	SYMBOL	NAME	DETAIL	DESCRIPTION	MANUFACTURER / MODEL #	MATERIAL / COLOR / FINISH / QTY	QTY	NOTES
P1		PATHWAY PAVING	1-5/L6.02	STABILIZED CHERT	PARK TREAD WITH PERMAZYME PARK TREAD - BARTH CAMPBELL 415.388.1183, www.parktread.com	-		PARK TREAD - BARTH CAMPBELL 415.388.1183 WWW.PARKTREAD.COM
P2		PARKING LOT PAVING	4-6/L6.01	RE-SLURRY / RE-SEAL (E) ASPHALT PAVING	-	SEE SPECIFICATION, PER CIVIL		MATCH (E) GRADES AND EDGES U.O.N.
P3		CONCRETE PAVING	1-3/L6.01	CIP CONCRETE - VEHICULAR AND PEDESTRIAN AS NOTED	-	NATURAL GRAY, BROOM FINISH WITH TOOLED JOINTS		LOCATE SCORE LINES AND EJ'S AS SHC
P4		SOFT SHOULDER PAVING	5/L6.02	UNCOMPACTED CHERT	-	TOPDRESS WITH CRUSHED STONE FROM EXISTING PROMENADE DEMOLITION		REMOVE ALL MATERIAL GREATER THAN 1 PRIOR TO TOPDRESSING
P5		ACCESSIBLE AND REGULAR PARKING	A90A	2015 CALTRANS STANDARD PLAN		SEE SPECIFICATION, PER CIVIL		
P6		PAVEMENT STRIPING & MARKING	A20A,A24A A14F	2015 CALTRANS STANDARD PLAN		SEE SPECIFICATION, PER CIVIL		
P7		ASPHALT PAVING	5,6/L6.01	NEW ASPHALT PAVING		SEE SPECIFICATION, PER CIVIL		

### SITE ELEMENTS

1		WHEEL STOP	2/L6.10	RECYCLED RUBBER WHEEL STOP (3' X 6") 1A: BLACK WITH WHITE REFLECTIVE TAPE 1B: BLUE ADA COMPLIANT	-	SEE SPEC FOR ADDITIONAL INFO		
2		LOW PLANTING FENCE	3/L6.10	2' DIA. X 3' STEEL BOLLARD (FIXED)	-	HOT DIPPED GALVANIZED STEEL WITH GALVANIZED CABLE		
3		TEMPORARY FENCE	4/L6.10	2' DIA. X 4' STEEL BOLLARD (REMOVABLE)	-	HOT DIPPED GALVANIZED STEEL WITH HIGH VISIBILITY PVC COATED CABLE		SEE ALTERNATE SCHEDULE ON THIS SHEET
4		STEEL BOLLARD	1/L6.10	4" DIA. X 4' STEEL BOLLARD 4A: FIXED 4B: REMOVABLE	CALPIPE	HOT DIPPED GALVANIZED STEEL		SEE ALTERNATE SCHEDULE ON THIS SHEET
5		REDWOOD HEADER	3/L6.31	-	-	-		
6		REGULATORY SIGN	6/L6.10	MUTCD COMPLIANT SIGN: - ADA 'PARKING ONLY' + 'VAN ACCESSIBLE' AT ACCESSIBLE PARKING STALLS - 24" X 24" 'STOP' (AS NOTED)	-	STANDARD 0.080 ALUMINUM TRAFFIC SIGN ON 2" DIA. GALVANIZED STEEL POLE		

### SITE FURNITURE / WALLS

F1		TRASH/RECYCLE RECEPTACLE	1/L6.11	-	BEARSAVER - HA2-NO1 CUSTOM ACCESSIBLE DOUBLE COMBO WWW.BEARSAVER.COM	COLOR: BLACK PLASTIC WOOD SIDING: WEATHERED "REDWOOD" COLOR APPLY COLD SPRAY GALVANIZING		SEE ALTERNATE SCHEDULE ON THIS SHEET
F2		SEAWALL CAP	5/L6.10	POURED-IN-PLACE CONCRETE CAP	CUSTOM	NATURAL GRAY WITH MEDIUMS AND BLAST		
F3		BENCH	1-3/L6.12	CRISSY BENCH WITH ARMREST	CUSTOM	HOT DIPPED GALVANIZED STEEL & RECLAIMED CEDAR		
F4		BENCH	-/L6.12	REFURBISHED BENCH - WOOD SLATS REPLACEMENT RELOCATION PER PLAN	CUSTOM			
F6		PICNIC TABLE	X/L6.01	-	-	-		
F7		BBQ GRILL	2/L6.11	ACCESSIBLE GRILLS AS NOTED	PILOT ROCK ACCESSIBLE PARK GRILL: ASW-20 STANDARD: K-20	EMBED INTO CONCRETE FOOTING		WWW.PILOTROCK.COM



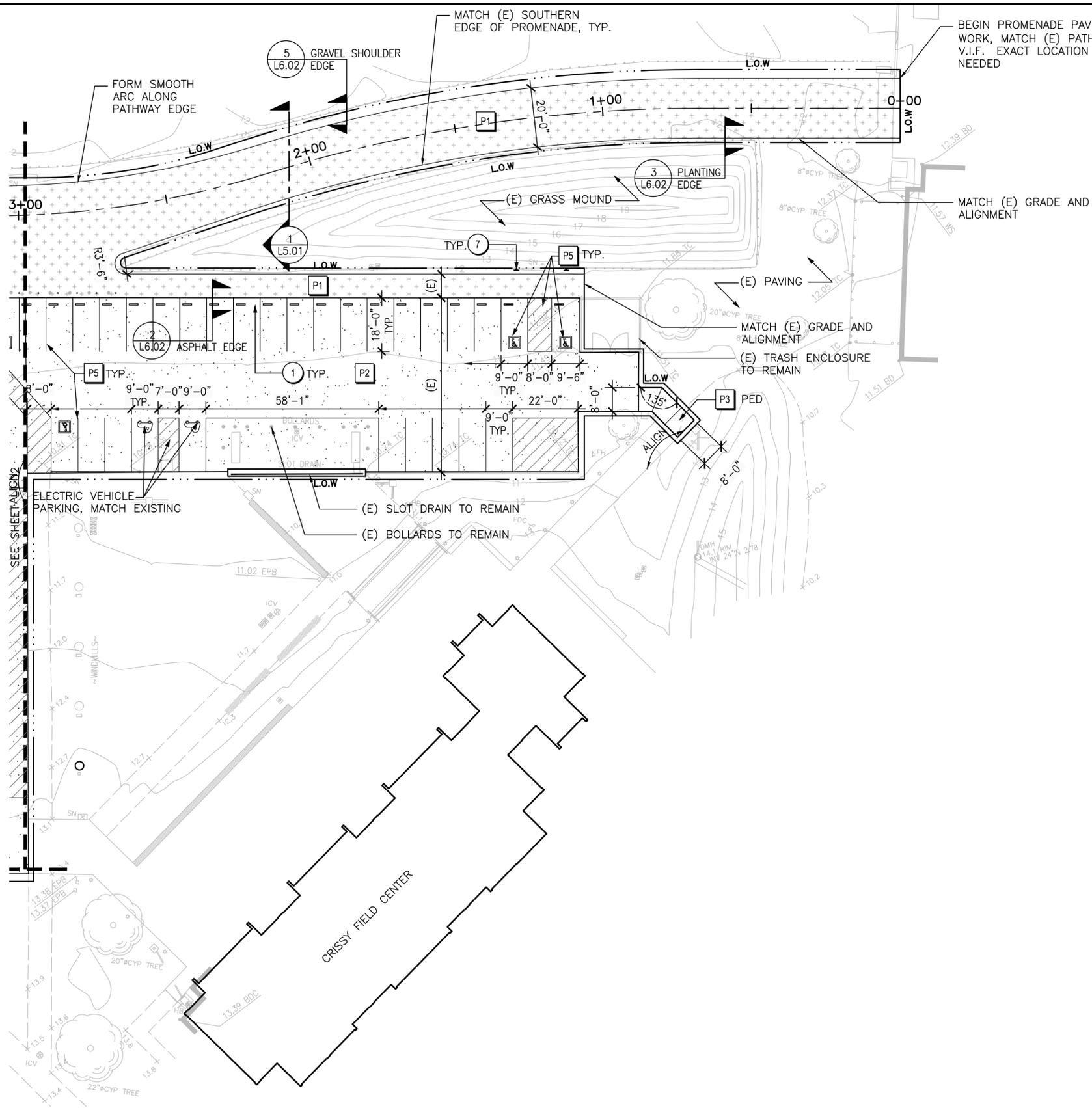
**CMG**  
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 SAN FRANCISCO, CA 94107  
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 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L1.00**  
 PMIS/PKG. NO.  
 221770  
 SHEET  
**XX OF XX**

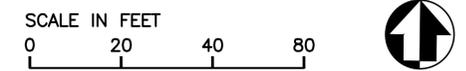


### MATERIALS SCHEDULE

PAVING			
TAG	SYMBOL	NAME	DETAIL
P1	[Symbol]	PATHWAY PAVING	1-5/L6.02
P2	[Symbol]	PARKING LOT PAVING	4-6/L6.01
P3	[Symbol]	CONCRETE PAVING	1-3/L6.01
P4	[Symbol]	SOFT SHOULDER PAVING	5/L6.02
P5	[Symbol]	ACCESSIBLE AND REGULAR PARKING	A90A
P6	[Symbol]	PAVEMENT STRIPING & MARKING	A20A,A24A A14F
P7	[Symbol]	ASPHALT PAVING	5,6/L6.01

SITE ELEMENTS			
1	[Symbol]	WHEEL STOP	2/L6.10
2	[Symbol]	LOW PLANTING FENCE	3/L6.10
3	[Symbol]	TEMPORARY FENCE	4/L6.10
4	[Symbol]	STEEL BOLLARD	1/L6.10
5	[Symbol]	REDWOOD HEADER	3/L6.31
6	[Symbol]	REGULATORY SIGN	6/L6.10

SITE FURNITURE / WALLS			
F1	[Symbol]	TRASH/RECYCLE RECEPTACLE	1/L6.11
F2	[Symbol]	SEAWALL CAP	5/L6.10
F3	[Symbol]	BENCH	1-3/L6.12
F4	[Symbol]	BENCH	-/L6.12
F6	[Symbol]	PICNIC TABLE	X/L6.01
F7	[Symbol]	BBQ GRILL	2/L6.11



**CMG**  
**CONGER MOSS GUILLARD**  
 500 THIRD STREET SUITE 215  
 SAN FRANCISCO, CA 94107  
 TELEPHONE: 415/495-3070  
 FACSIMILE: 415/495-3080

DESIGNED:  
 CMG  
 HJN/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.

TITLE OF SHEET  
**LAYOUT AND MATERIALS PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

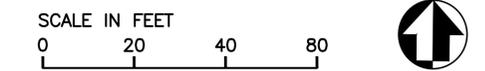
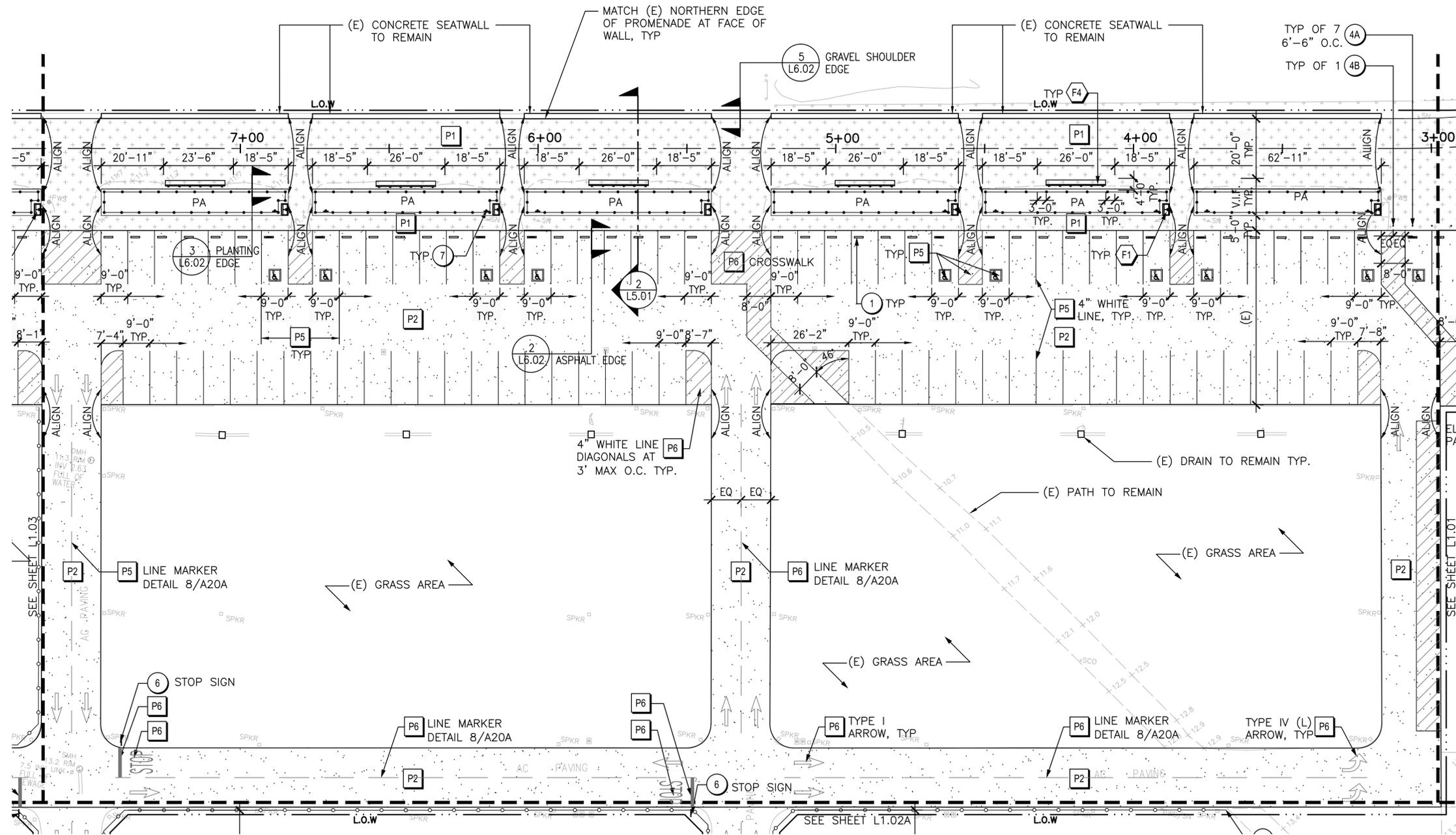
DRAWING NO.  
**L1.01**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 OF

# MATERIALS SCHEDULE

PAVING			
TAG	SYMBOL	NAME	DETAIL
P1		PATHWAY PAVING	1-5/L6.02
P2		PARKING LOT PAVING	4-6/L6.01
P3		CONCRETE PAVING	1-3/L6.01
P4		SOFT SHOULDER PAVING	5/L6.02
P5		ACCESSIBLE AND REGULAR PARKING	A90A
P6		PAVEMENT STRIPING & MARKING	A20A,A24A A14F
P7		ASPHALT PAVING	5,6/L6.01

SITE ELEMENTS			
NO.	SYMBOL	NAME	DETAIL
1		WHEEL STOP	2/L6.10
2		LOW PLANTING FENCE	3/L6.10
3		TEMPORARY FENCE	4/L6.10
4		STEEL BOLLARD	1/L6.10
5		REDWOOD HEADER	3/L6.31
6		REGULATORY SIGN	6/L6.10

SITE FURNITURE / WALLS			
NO.	SYMBOL	NAME	DETAIL
F1		TRASH/RECYCLE RECEPTACLE	1/L6.11
F2		SEAWALL CAP	5/L6.10
F3		BENCH	1-3/L6.12
F4		BENCH	-/L6.12
F6		PICNIC TABLE	X/L6.01
F7		BBQ GRILL	2/L6.11
F8		HOT COAL CONTAINER	SIM 1/L6.11



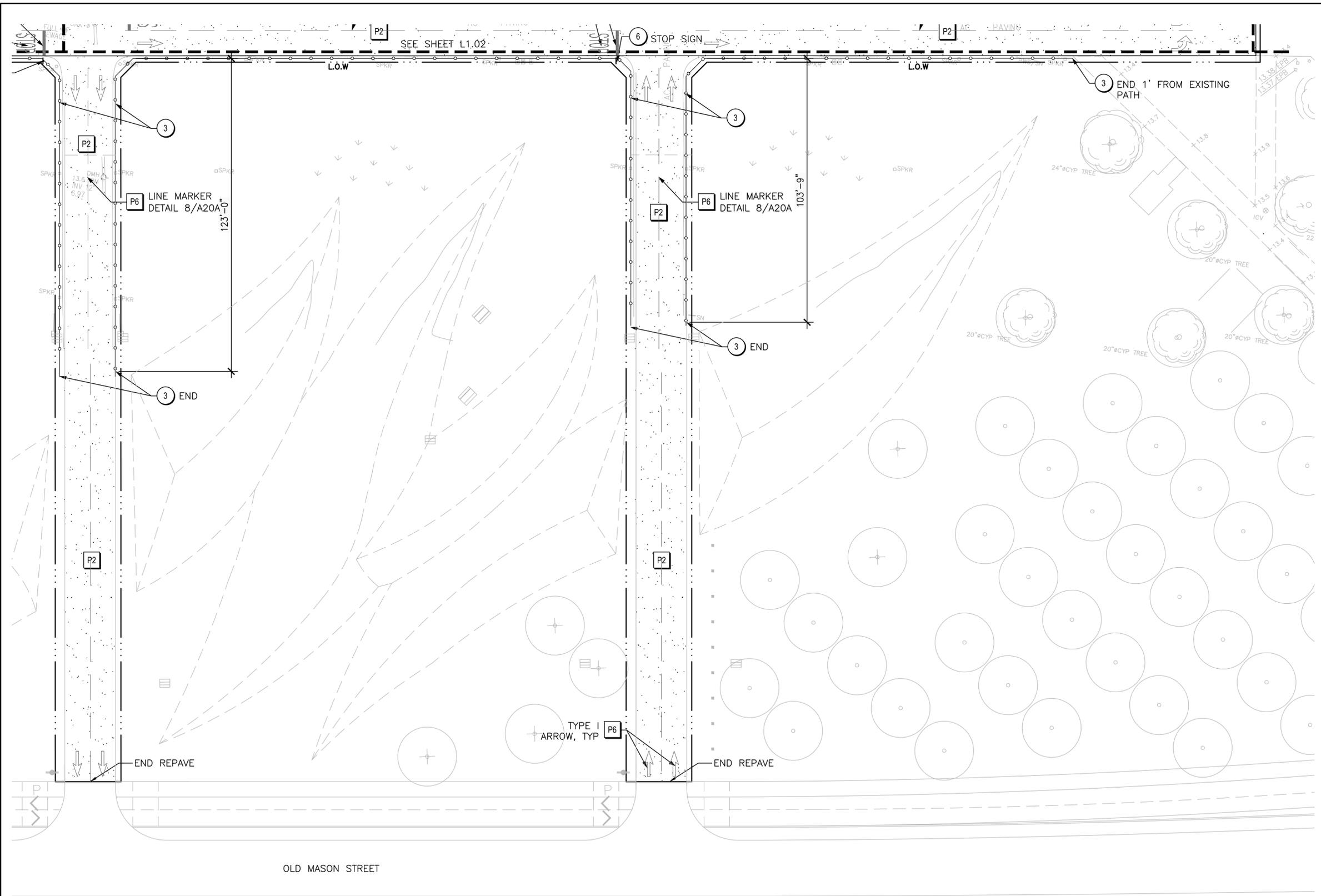
**CMG**  
**CONGER MOSS GUILLARD**  
 500 THIRD STREET SUITE 215  
 SAN FRANCISCO, CA 94107  
 TELEPHONE: 415/495-3070  
 FACSIMILE: 415/495-3080

DESIGNED:  
 CMG  
 HJ/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.  
 \_\_\_\_\_

TITLE OF SHEET  
**LAYOUT AND MATERIALS PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L1.02**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 \_\_\_\_\_ OF \_\_\_\_\_



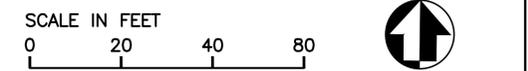
### MATERIALS SCHEDULE

PAVING			
TAG	SYMBOL	NAME	DETAIL
P1		PATHWAY PAVING	1-5/L6.02
P2		PARKING LOT PAVING	4-6/L6.01
P3		CONCRETE PAVING	1-3/L6.01
P4		SOFT SHOULDER PAVING	5/L6.02
P5		ACCESSIBLE AND REGULAR PARKING	A90A
P6		PAVEMENT STRIPING & MARKING	A20A, A24A, A14F
P7		ASPHALT PAVING	5,6/L6.01

SITE ELEMENTS			
①	SYMBOL	NAME	DETAIL
①		WHEEL STOP	2/L6.10
②		LOW PLANTING FENCE	3/L6.10
③		TEMPORARY FENCE	4/L6.10
④		STEEL BOLLARD	1/L6.10
⑤		REDWOOD HEADER	3/L6.31
⑥		REGULATORY SIGN	6/L6.10

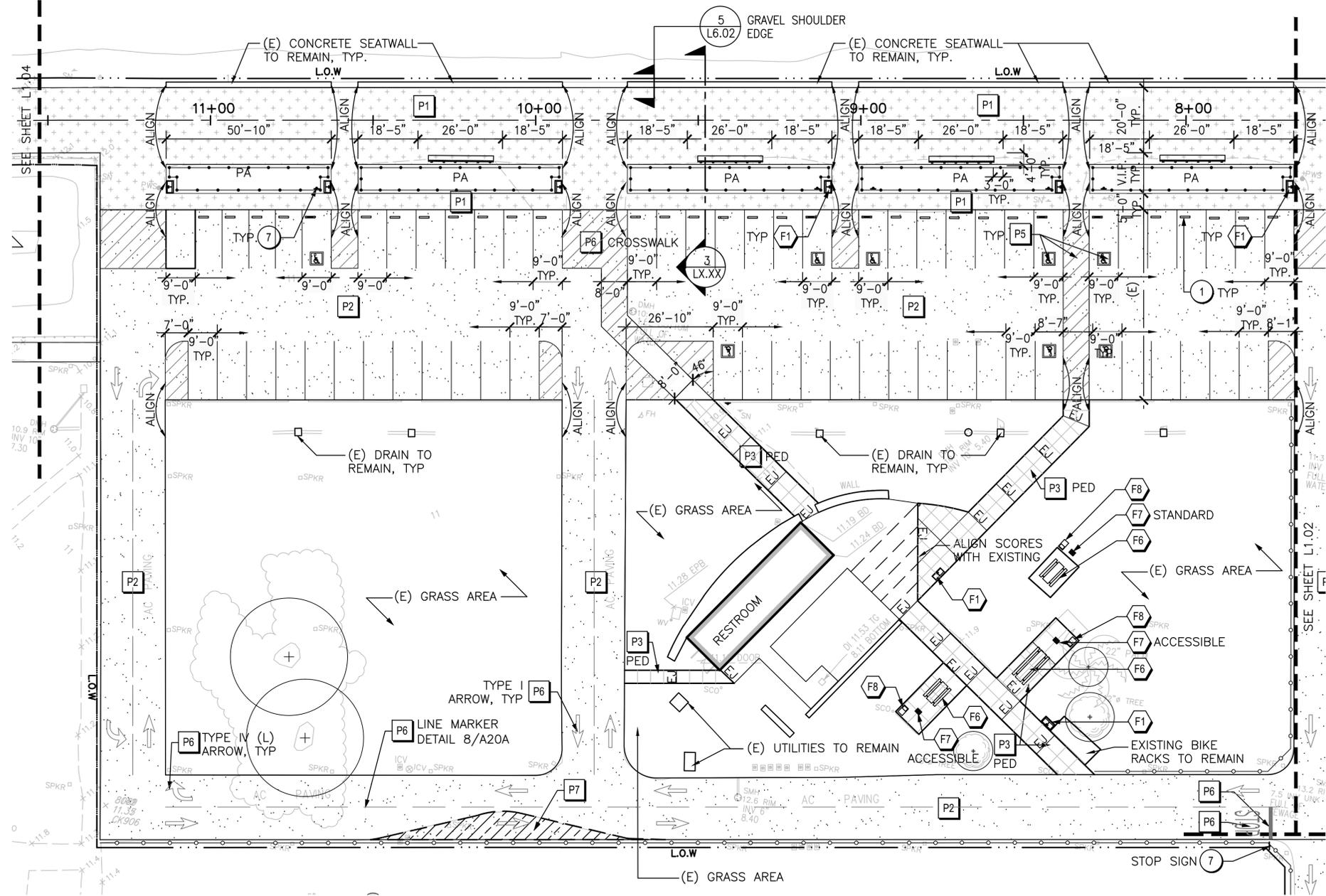
SITE FURNITURE / WALLS			
F1-F8	SYMBOL	NAME	DETAIL
F1		TRASH/RECYCLE RECEPTACLE	1/L6.11
F2		SEAWALL CAP	5/L6.10
F3		BENCH	1-3/L6.12
F4		BENCH	-/L6.12
F6		PICNIC TABLE	X/L6.01
F7		BBQ GRILL	2/L6.11
F8		HOT COAL CONTAINER	SIM 1/L6.11

OLD MASON STREET



  
**CONGER MOSS GUILLARD**  
 500 THIRD STREET SUITE 215  
 SAN FRANCISCO, CA 94107  
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 FACSIMILE: 415/495-3080

DESIGNED: CMG HN/JH/RG	SUB SHEET NO.	TITLE OF SHEET <b>LAYOUT AND MATERIALS PLAN</b> CRISSY FIELD: PROMENADE RESURFACING AND EAST BEACH PARKING RECONFIGURATION GOLDEN GATE NATIONAL RECREATION AREA THE PRESIDIO OF SAN FRANCISCO	DRAWING NO. L1.02A
TECH. REVIEW: KC/GB/CR			PMIS/PKG NO. 221770
DATE: 05.20.2016			SHEET OF

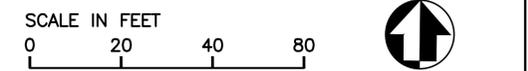


### MATERIALS SCHEDULE

PAVING			
TAG	SYMBOL	NAME	DETAIL
P1	[Symbol]	PATHWAY PAVING	1-5/L6.02
P2	[Symbol]	PARKING LOT PAVING	4-6/L6.01
P3	[Symbol]	CONCRETE PAVING	1-3/L6.01
P4	[Symbol]	SOFT SHOULDER PAVING	5/L6.02
P5	[Symbol]	ACCESSIBLE AND REGULAR PARKING	A90A
P6	[Symbol]	PAVEMENT STRIPING & MARKING	A20A,A24A A14F
P7	[Symbol]	ASPHALT PAVING	5,6/L6.01

SITE ELEMENTS			
Symbol	Name	Detail	
1	WHEEL STOP	2/L6.10	
2	LOW PLANTING FENCE	3/L6.10	
3	TEMPORARY FENCE	4/L6.10	
4	STEEL BOLLARD	1/L6.10	
5	REDWOOD HEADER	3/L6.31	
6	REGULATORY SIGN	6/L6.10	

SITE FURNITURE / WALLS			
Symbol	Name	Detail	
F1	TRASH/RECYCLE RECEPTACLE	1/L6.11	
F2	SEAWALL CAP	5/L6.10	
F3	BENCH	1-3/L6.12	
F4	BENCH	-/L6.12	
F6	PICNIC TABLE	X/L6.01	
F7	BBQ GRILL	2/L6.11	
F8	HOT COAL CONTAINER	SIM 1/L6.11	



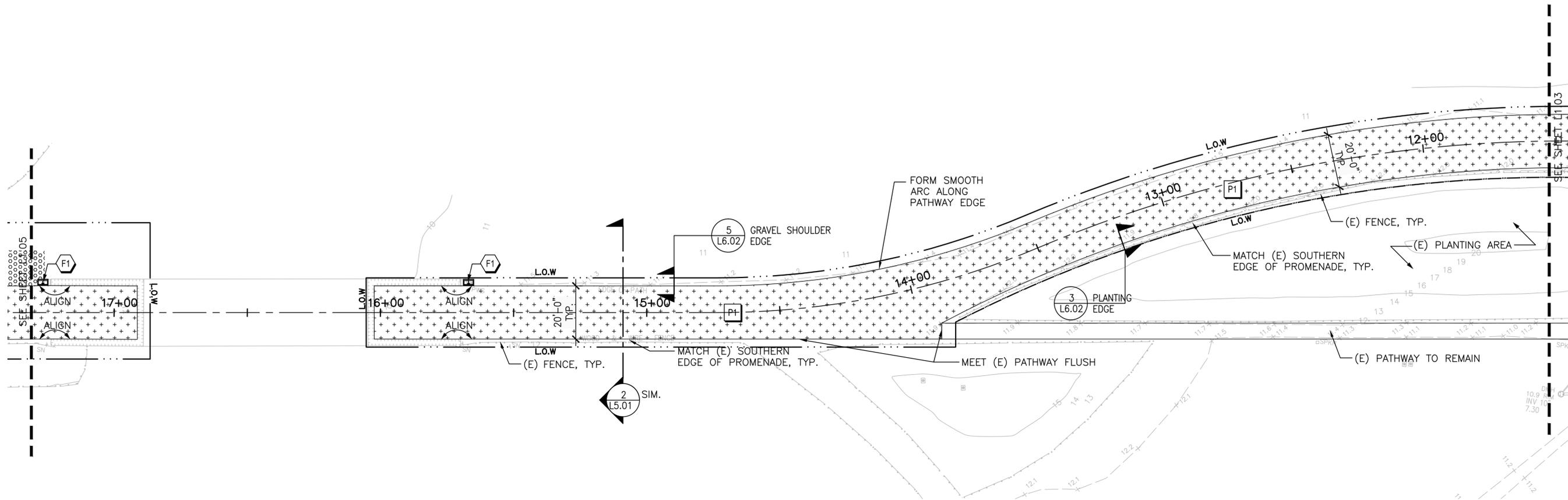
  
**CONGER MOSS GUILLARD**  
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TITLE OF SHEET  
**LAYOUT AND MATERIALS PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L1.03**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 OF



**MATERIALS SCHEDULE**

PAVING			
TAG	SYMBOL	NAME	DETAIL
P1		PATHWAY PAVING	1-5/L6.02
P2		PARKING LOT PAVING	4-6/L6.01
P3		CONCRETE PAVING	1-3/L6.01
P4		SOFT SHOULDER PAVING	5/L6.02
P5		ACCESSIBLE AND REGULAR PARKING	A90A
P6		PAVEMENT STRIPING & MARKING	A20A,A24A A14F
P7		ASPHALT PAVING	5,6/L6.01

SITE ELEMENTS			
1		WHEEL STOP	2/L6.10
2		LOW PLANTING FENCE	3/L6.10
3		TEMPORARY FENCE	4/L6.10
4		STEEL BOLLARD	1/L6.10
5		REDWOOD HEADER	3/L6.31
6		REGULATORY SIGN	6/L6.10

SITE FURNITURE / WALLS			
F1		TRASH/RECYCLE RECEPTACLE	1/L6.11
F2		SEAWALL CAP	5/L6.10
F3		BENCH	1-3/L6.12
F4		BENCH	-/L6.12
F6		PICNIC TABLE	X/L6.01
F7		BBQ GRILL	2/L6.11
F8		HOT COAL CONTAINER	SIM 1/L6.11



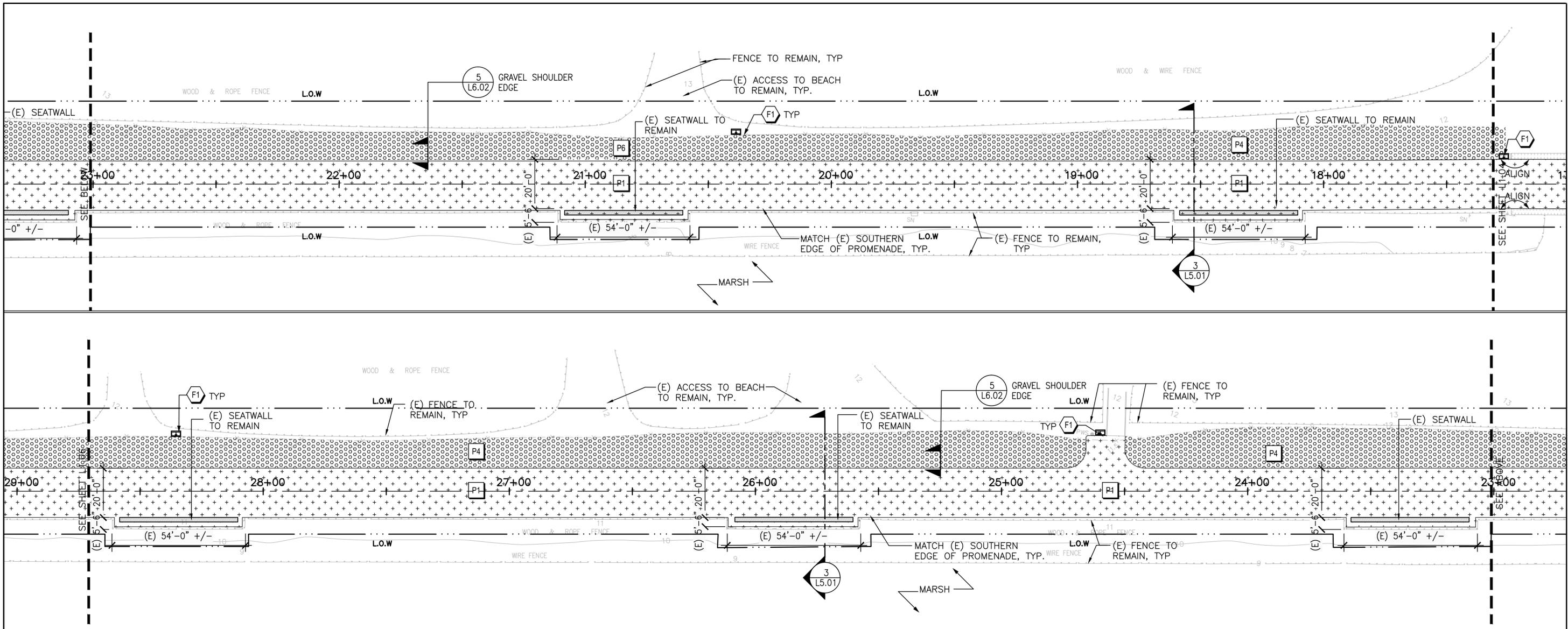
**CMG**  
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 TELEPHONE: 415/495-3070  
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TITLE OF SHEET  
**LAYOUT AND MATERIALS PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L1.04**  
 PMIS/PKG NO.  
 221770  
 SHEET  
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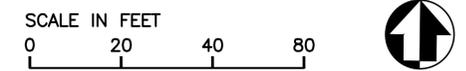


**MATERIALS SCHEDULE**

PAVING			
TAG	SYMBOL	NAME	DETAIL
P1		PATHWAY PAVING	1-5/L6.02
P2		PARKING LOT PAVING	4-6/L6.01
P3		CONCRETE PAVING	1-3/L6.01
P4		SOFT SHOULDER PAVING	5/L6.02
P5		ACCESSIBLE AND REGULAR PARKING	A90A
P6		PAVEMENT STRIPING & MARKING	A20A,A24A A14F
P7		ASPHALT PAVING	5,6/L6.01

SITE ELEMENTS			
1		WHEEL STOP	2/L6.10
2		LOW PLANTING FENCE	3/L6.10
3		TEMPORARY FENCE	4/L6.10
4		STEEL BOLLARD	1/L6.10
5		REDWOOD HEADER	3/L6.31
6		REGULATORY SIGN	6/L6.10

SITE FURNITURE / WALLS			
F1		TRASH/RECYCLE RECEPTACLE	1/L6.11
F2		SEAWALL CAP	5/L6.10
F3		BENCH	1-3/L6.12
F4		BENCH	-/L6.12
F6		PICNIC TABLE	X/L6.01
F7		BBQ GRILL	2/L6.11
F8		HOT COAL CONTAINER	SIM 1/L6.11



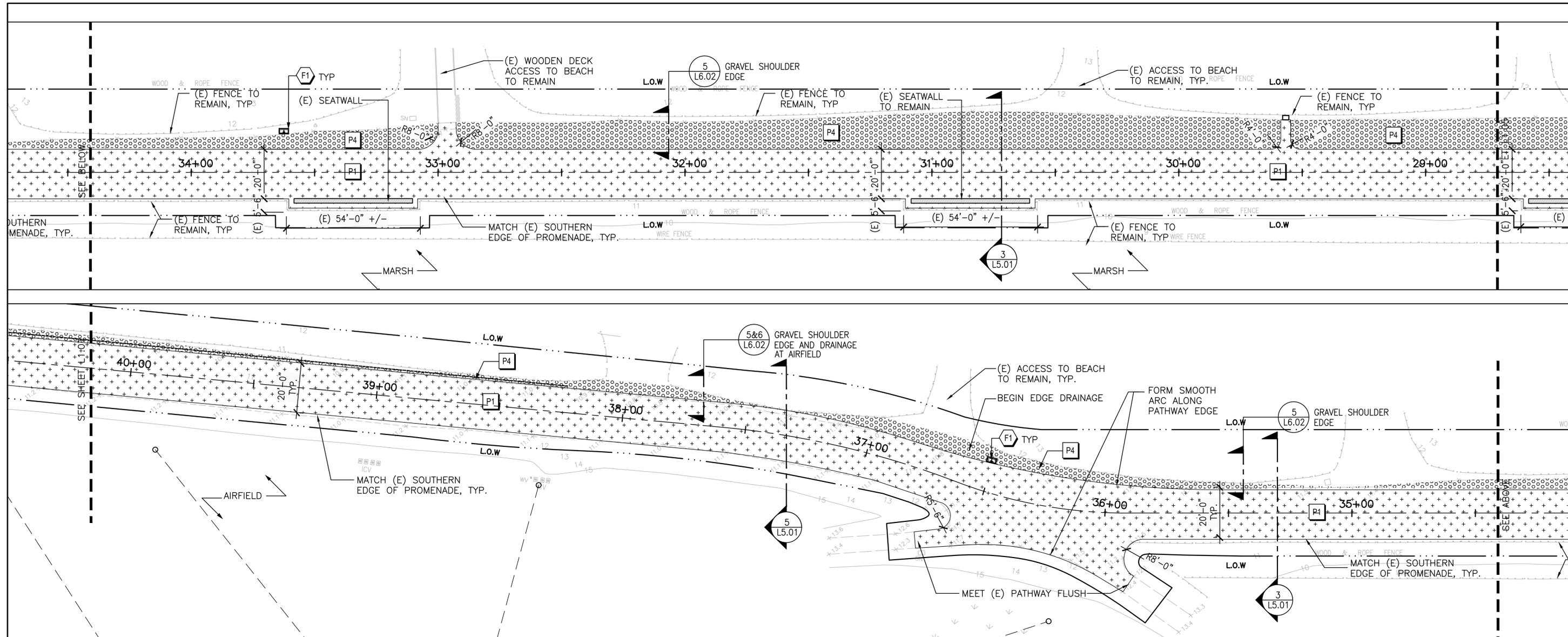
**CMG**  
**CONGER MOSS GUILLARD**  
 500 THIRD STREET SUITE 215  
 SAN FRANCISCO, CA 94107  
 TELEPHONE: 415/495-3070  
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DESIGNED:  
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SUB SHEET NO.

TITLE OF SHEET  
**LAYOUT AND MATERIALS PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L1.05**  
 PMIS/PKG NO.  
 221770  
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 OF



**MATERIALS SCHEDULE**

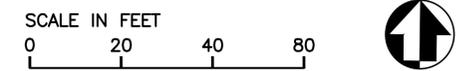
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TAG	SYMBOL	NAME	DETAIL
P1	[Symbol]	PATHWAY PAVING	1-5/L6.02
P2	[Symbol]	PARKING LOT PAVING	4-6/L6.01
P3	[Symbol]	CONCRETE PAVING	1-3/L6.01
P4	[Symbol]	SOFT SHOULDER PAVING	5/L6.02
P5	[Symbol]	ACCESSIBLE AND REGULAR PARKING	A90A
P6	[Symbol]	PAVEMENT STRIPING & MARKING	A20A,A24A A14F
P7	[Symbol]	ASPHALT PAVING	5,6/L6.01

**SITE ELEMENTS**

1	[Symbol]	WHEEL STOP	2/L6.10
2	[Symbol]	LOW PLANTING FENCE	3/L6.10
3	[Symbol]	TEMPORARY FENCE	4/L6.10
4	[Symbol]	STEEL BOLLARD	1/L6.10
5	[Symbol]	REDWOOD HEADER	3/L6.31
6	[Symbol]	REGULATORY SIGN	6/L6.10

**SITE FURNITURE / WALLS**

F1	[Symbol]	TRASH/RECYCLE RECEPTACLE	1/L6.11
F2	[Symbol]	SEAWALL CAP	5/L6.10
F3	[Symbol]	BENCH	1-3/L6.12
F4	[Symbol]	BENCH	-/L6.12
F6	[Symbol]	PICNIC TABLE	X/L6.01
F7	[Symbol]	BBQ GRILL	2/L6.11
F8	[Symbol]	HOT COAL CONTAINER	SIM 1/L6.11



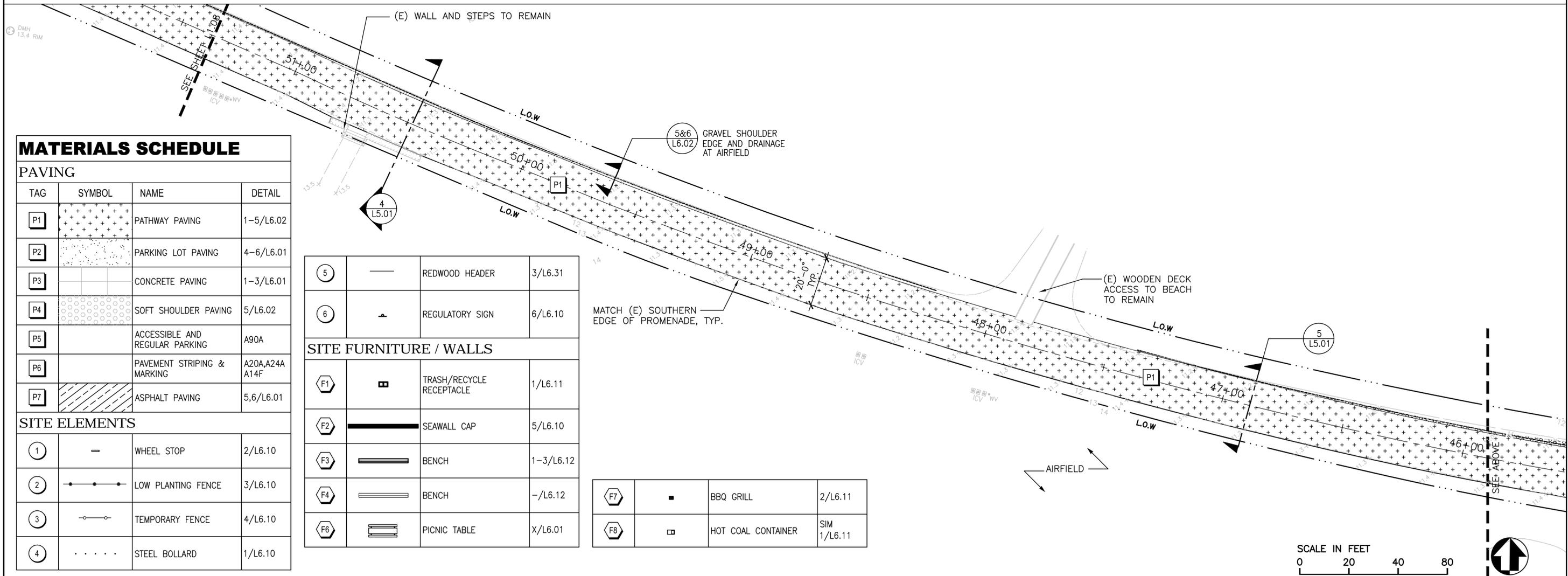
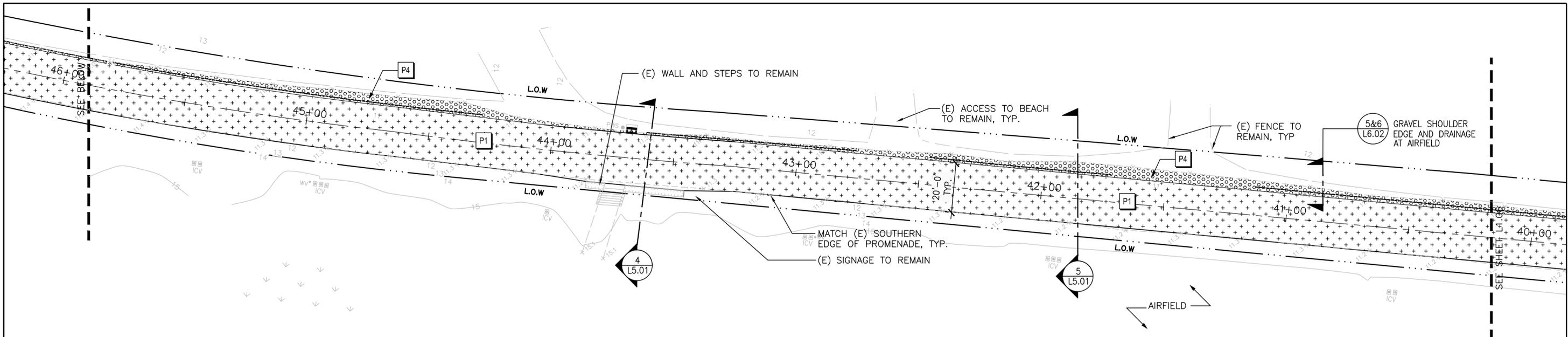
**CMG**  
**CONGER MOSS GUILLARD**  
 500 THIRD STREET SUITE 215  
 SAN FRANCISCO, CA 94107  
 TELEPHONE: 415/495-3070  
 FACSIMILE: 415/495-3080

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SUB SHEET NO.

TITLE OF SHEET  
**LAYOUT AND MATERIALS PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L1.06**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 OF



**MATERIALS SCHEDULE**

**PAVING**

TAG	SYMBOL	NAME	DETAIL
P1	[Symbol]	PATHWAY PAVING	1-5/L6.02
P2	[Symbol]	PARKING LOT PAVING	4-6/L6.01
P3	[Symbol]	CONCRETE PAVING	1-3/L6.01
P4	[Symbol]	SOFT SHOULDER PAVING	5/L6.02
P5	[Symbol]	ACCESSIBLE AND REGULAR PARKING	A90A
P6	[Symbol]	PAVEMENT STRIPING & MARKING	A20A,A24A A14F
P7	[Symbol]	ASPHALT PAVING	5,6/L6.01

**SITE ELEMENTS**

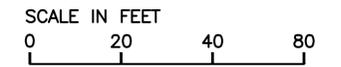
1	[Symbol]	WHEEL STOP	2/L6.10
2	[Symbol]	LOW PLANTING FENCE	3/L6.10
3	[Symbol]	TEMPORARY FENCE	4/L6.10
4	[Symbol]	STEEL BOLLARD	1/L6.10

5	[Symbol]	REDWOOD HEADER	3/L6.31
6	[Symbol]	REGULATORY SIGN	6/L6.10

**SITE FURNITURE / WALLS**

F1	[Symbol]	TRASH/RECYCLE RECEPTACLE	1/L6.11
F2	[Symbol]	SEAWALL CAP	5/L6.10
F3	[Symbol]	BENCH	1-3/L6.12
F4	[Symbol]	BENCH	-/L6.12
F6	[Symbol]	PICNIC TABLE	X/L6.01

F7	[Symbol]	BBQ GRILL	2/L6.11
F8	[Symbol]	HOT COAL CONTAINER	SIM 1/L6.11



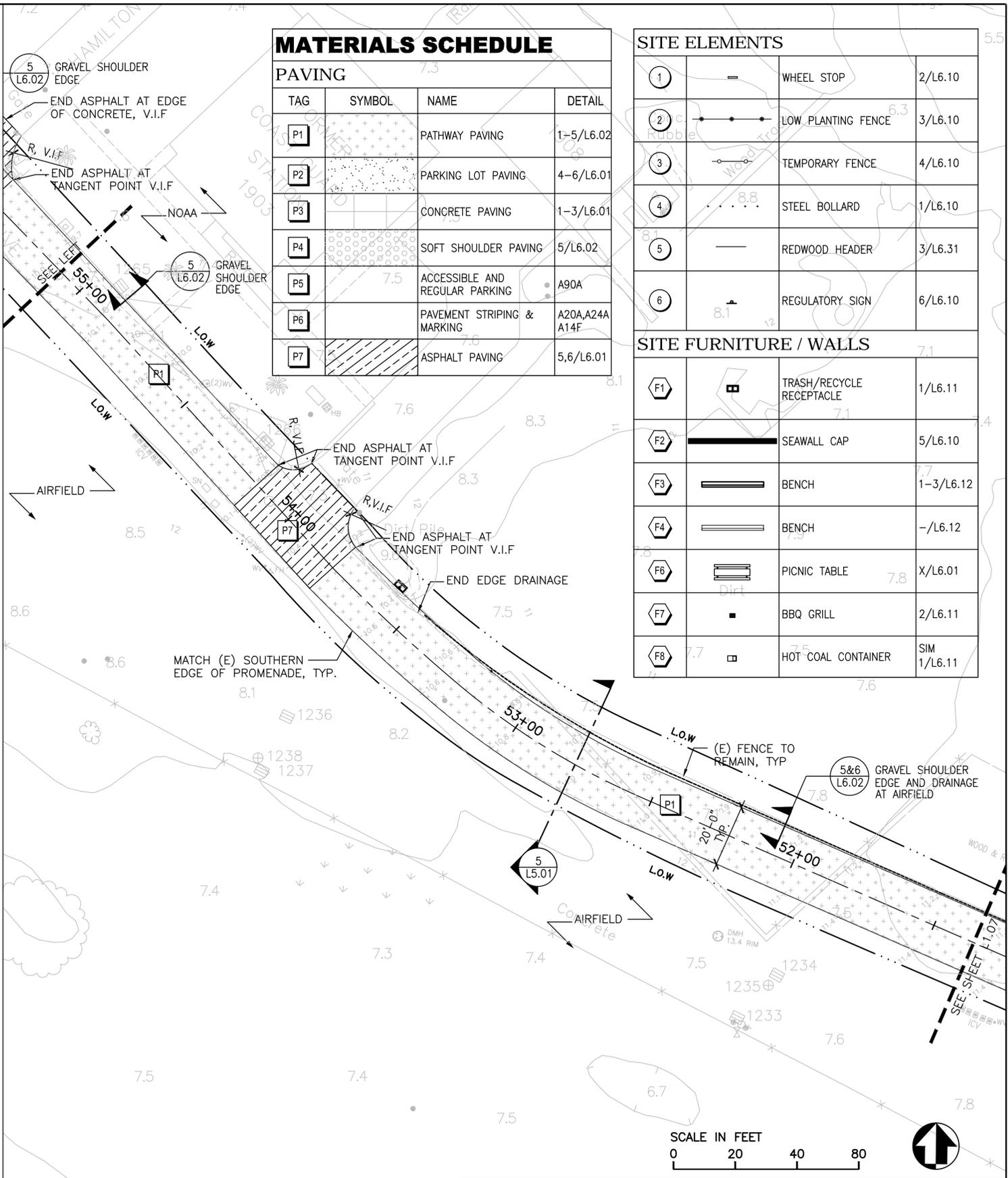
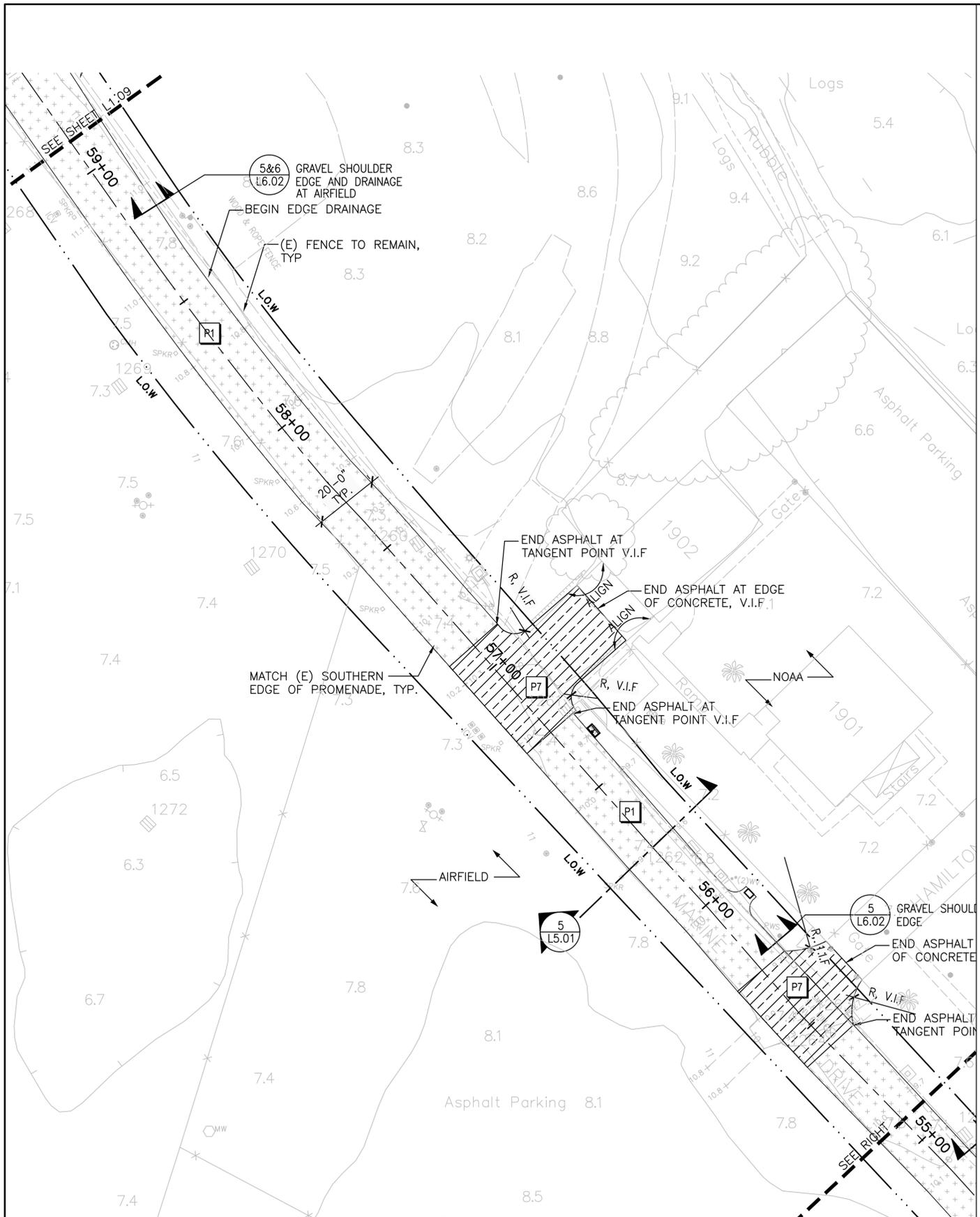
**CMG**  
**CONGER MOSS GUILLARD**  
 500 THIRD STREET SUITE 215  
 SAN FRANCISCO, CA 94107  
 TELEPHONE: 415/495-3070  
 FACSIMILE: 415/495-3080

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SUB SHEET NO.

TITLE OF SHEET  
**LAYOUT AND MATERIALS PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L1.07**  
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 221770  
 SHEET  
 OF



### MATERIALS SCHEDULE

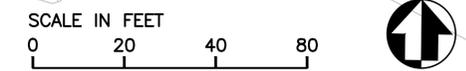
PAVING			
TAG	SYMBOL	NAME	DETAIL
P1	[Symbol]	PATHWAY PAVING	1-5/L6.02
P2	[Symbol]	PARKING LOT PAVING	4-6/L6.01
P3	[Symbol]	CONCRETE PAVING	1-3/L6.01
P4	[Symbol]	SOFT SHOULDER PAVING	5/L6.02
P5	[Symbol]	ACCESSIBLE AND REGULAR PARKING	A90A
P6	[Symbol]	PAVEMENT STRIPING & MARKING	A20A,A24A A14F
P7	[Symbol]	ASPHALT PAVING	5,6/L6.01

### SITE ELEMENTS

1	[Symbol]	WHEEL STOP	2/L6.10
2	[Symbol]	LOW PLANTING FENCE	3/L6.10
3	[Symbol]	TEMPORARY FENCE	4/L6.10
4	[Symbol]	STEEL BOLLARD	1/L6.10
5	[Symbol]	REDWOOD HEADER	3/L6.31
6	[Symbol]	REGULATORY SIGN	6/L6.10

### SITE FURNITURE / WALLS

F1	[Symbol]	TRASH/RECYCLE RECEPTACLE	1/L6.11
F2	[Symbol]	SEAWALL CAP	5/L6.10
F3	[Symbol]	BENCH	1-3/L6.12
F4	[Symbol]	BENCH	-/L6.12
F6	[Symbol]	PICNIC TABLE	X/L6.01
F7	[Symbol]	BBQ GRILL	2/L6.11
F8	[Symbol]	HOT COAL CONTAINER	SIM 1/L6.11



**CMG**  
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 CRISSY FIELD: PROMENADE RESURFACING  
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 GOLDEN GATE NATIONAL RECREATION AREA  
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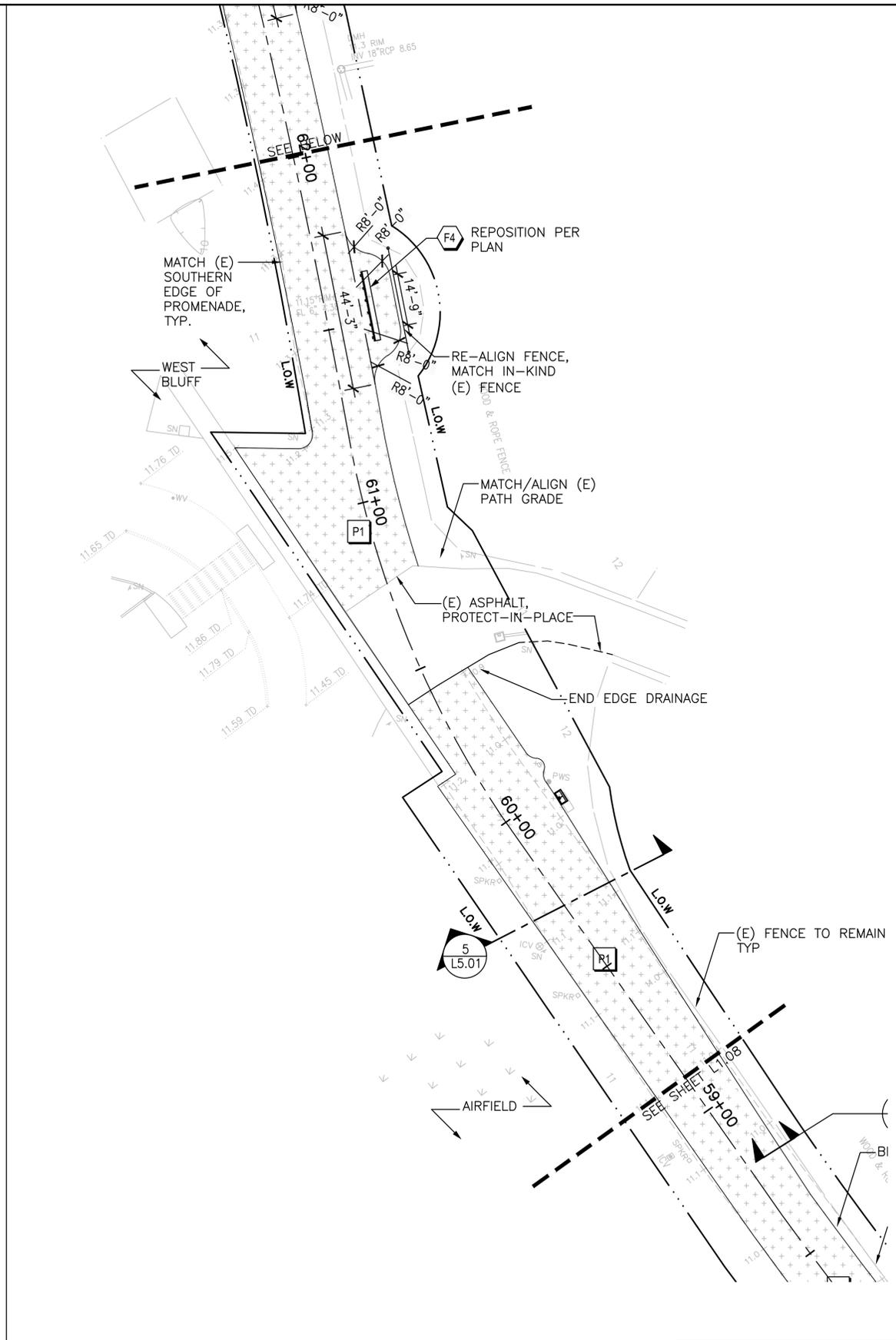
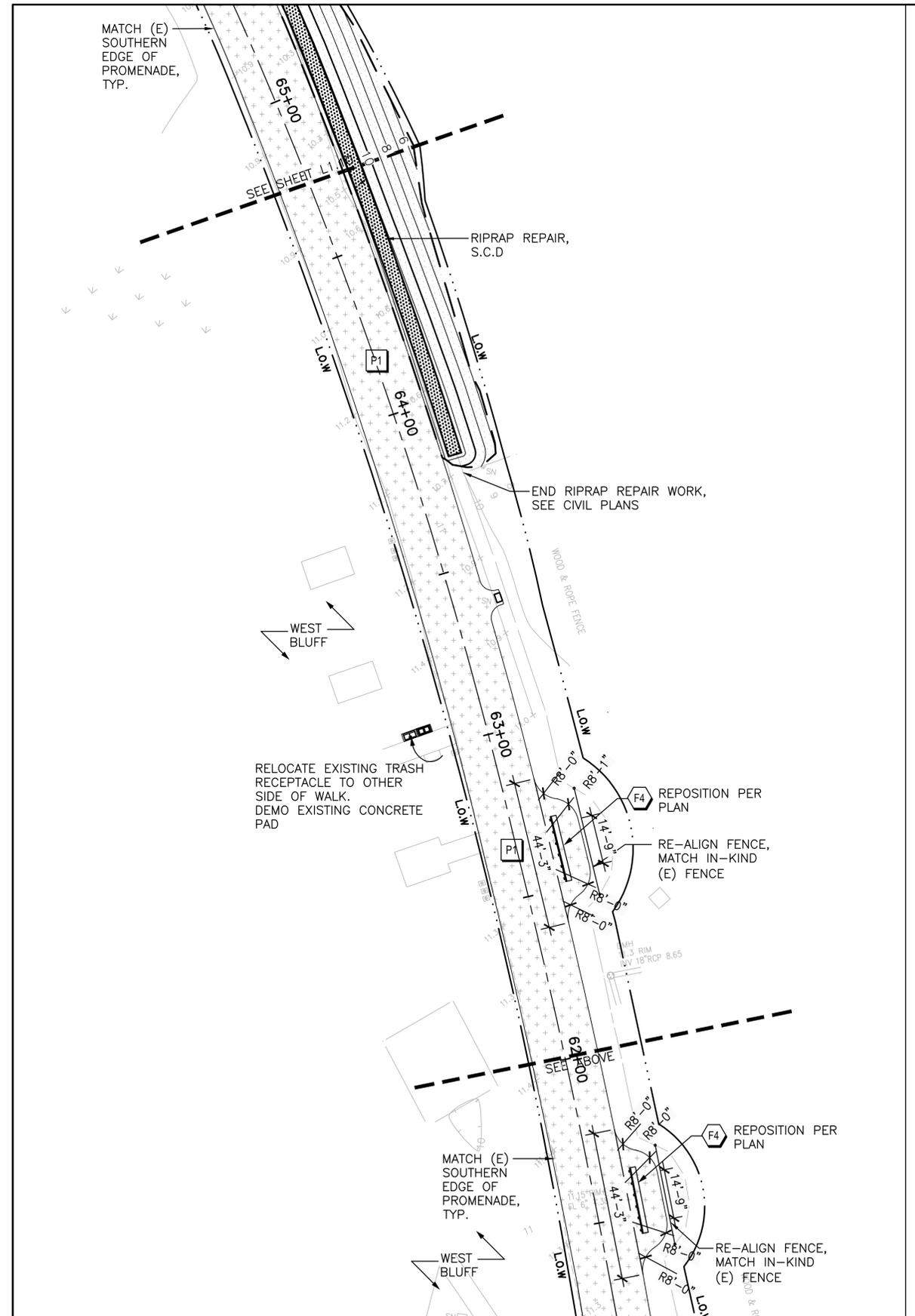
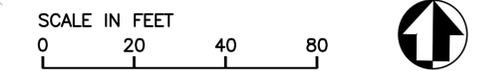
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**L1.08**  
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 221770  
 SHEET  
 OF

# MATERIALS SCHEDULE

PAVING			
TAG	SYMBOL	NAME	DETAIL
P1		PATHWAY PAVING	1-5/L6.02
P2		PARKING LOT PAVING	4-6/L6.01
P3		CONCRETE PAVING	1-3/L6.01
P4		SOFT SHOULDER PAVING	5/L6.02
P5		ACCESSIBLE AND REGULAR PARKING	A90A
P6		PAVEMENT STRIPING & MARKING	A20A,A24A A14F
P7		ASPHALT PAVING	5,6/L6.01

SITE ELEMENTS			
①	SYMBOL	NAME	DETAIL
1		WHEEL STOP	2/L6.10
2		LOW PLANTING FENCE	3/L6.10
3		TEMPORARY FENCE	4/L6.10
4		STEEL BOLLARD	1/L6.10
5		REDWOOD HEADER	3/L6.31
6		REGULATORY SIGN	6/L6.10

SITE FURNITURE / WALLS			
F1	SYMBOL	NAME	DETAIL
F1		TRASH/RECYCLE RECEPTACLE	1/L6.11
F2		SEAWALL CAP	5/L6.10
F3		BENCH	1-3/L6.12
F4		BENCH	-/L6.12
F6		PICNIC TABLE	X/L6.01
F7		BBQ GRILL	2/L6.11



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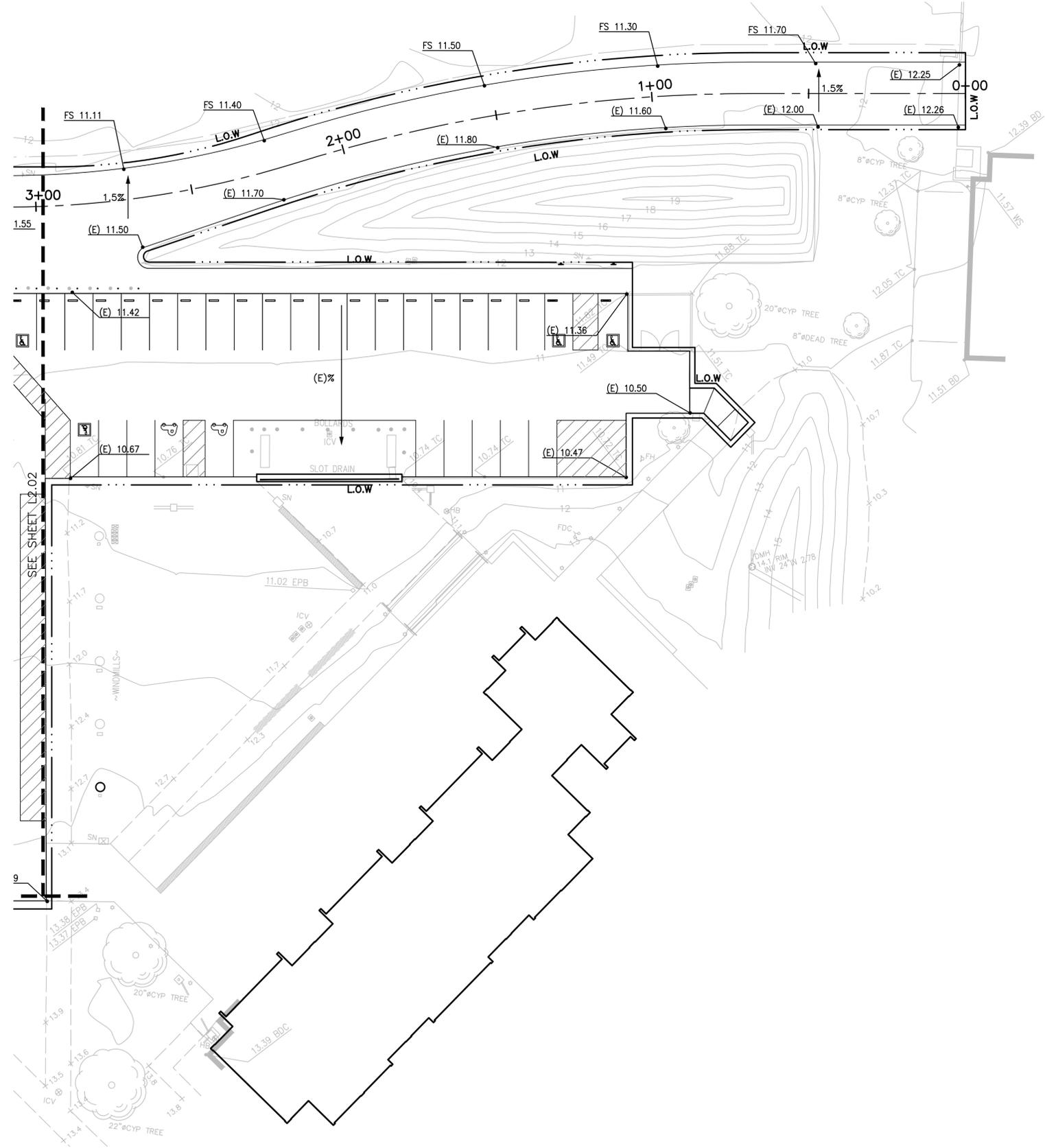
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 CMG  
 HJN/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.  
 \_\_\_\_\_

TITLE OF SHEET  
**LAYOUT AND MATERIALS PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

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 221770  
 SHEET  
 \_\_\_\_\_ OF \_\_\_\_\_

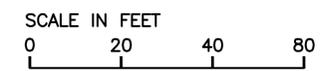




### GRADING LEGEND

SYMBOL	DESCRIPTION
FS 20.15 x	PROPOSED SPOT ELEVATION
(E) 20.15 x	EXISTING SPOT ELEVATION
— GB —	GRADE BREAK
2%	SLOPE
BC	BOTTOM OF CURB
BTA	BIOTREATMENT AREA
BW	BOTTOM OF WALL
BSW	BACK OF SIDEWALK
FG	FINISHED GRADE (AT PLANTING)
FS	FINISHED SURFACE (AT PAVING)
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
S.C.D.	SEE CIVIL DRAWINGS
TC	TOP OF CURB
TW	TOP OF WALL

\*SEE GRADING NOTES ON SHEET G0.02 FOR ADDITIONAL GRADING INFORMATION.



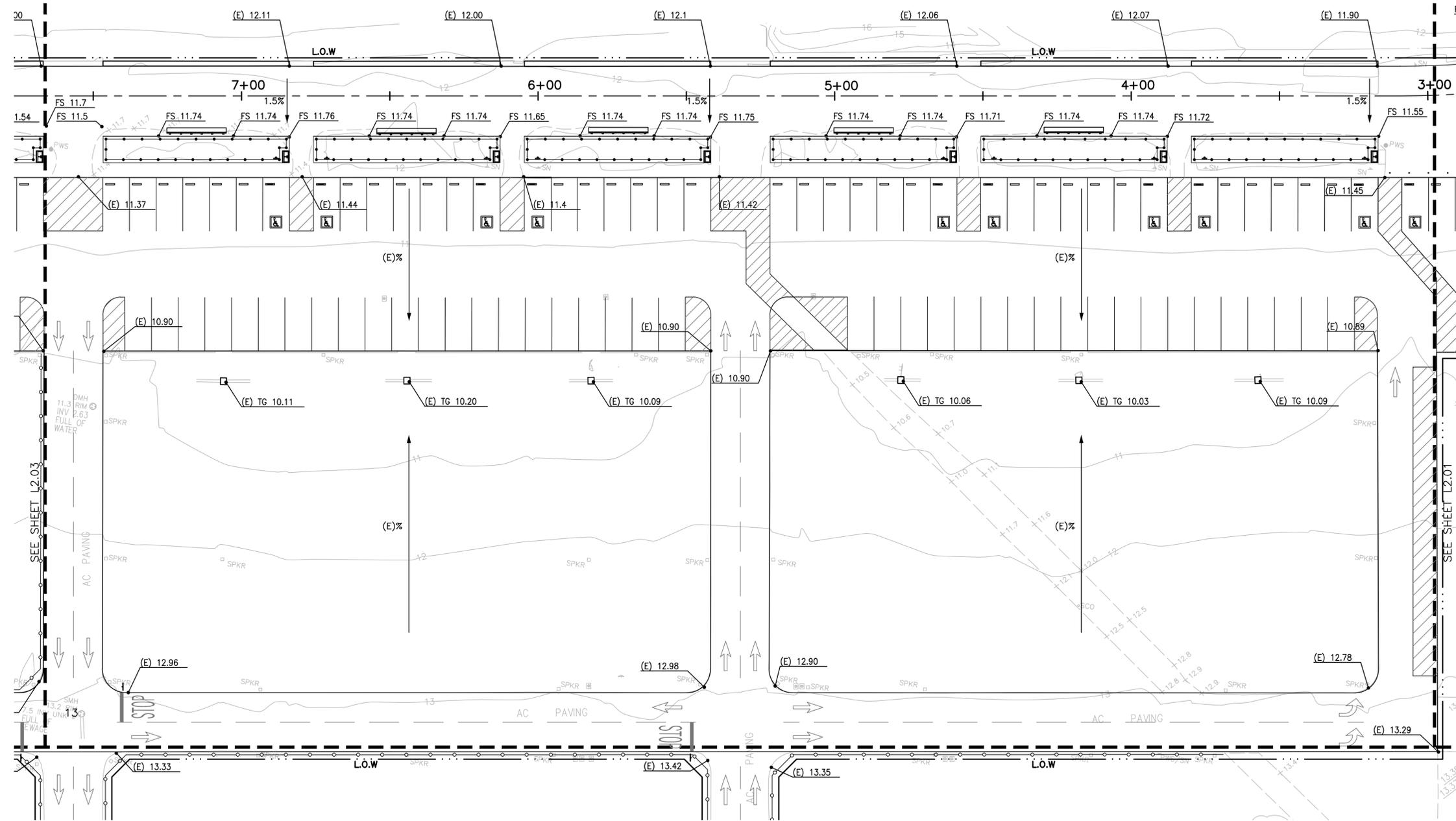
**CMG**  
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SUB SHEET NO.

TITLE OF SHEET  
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 CRISSY FIELD: PROMENADE RESURFACING  
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 GOLDEN GATE NATIONAL RECREATION AREA  
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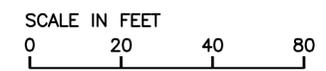
DRAWING NO.  
**L2.01**  
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 221770  
 SHEET  
 OF



### GRADING LEGEND

SYMBOL	DESCRIPTION
FS 20.15 x	PROPOSED SPOT ELEVATION
(E) 20.15 x	EXISTING SPOT ELEVATION
— GB —	GRADE BREAK
2%	SLOPE
BC	BOTTOM OF CURB
BTA	BIOTREATMENT AREA
BW	BOTTOM OF WALL
BSW	BACK OF SIDEWALK
FG	FINISHED GRADE (AT PLANTING)
FS	FINISHED SURFACE (AT PAVING)
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
S.C.D.	SEE CIVIL DRAWINGS
TC	TOP OF CURB
TW	TOP OF WALL

\*SEE GRADING NOTES ON SHEET G0.02 FOR ADDITIONAL GRADING INFORMATION.



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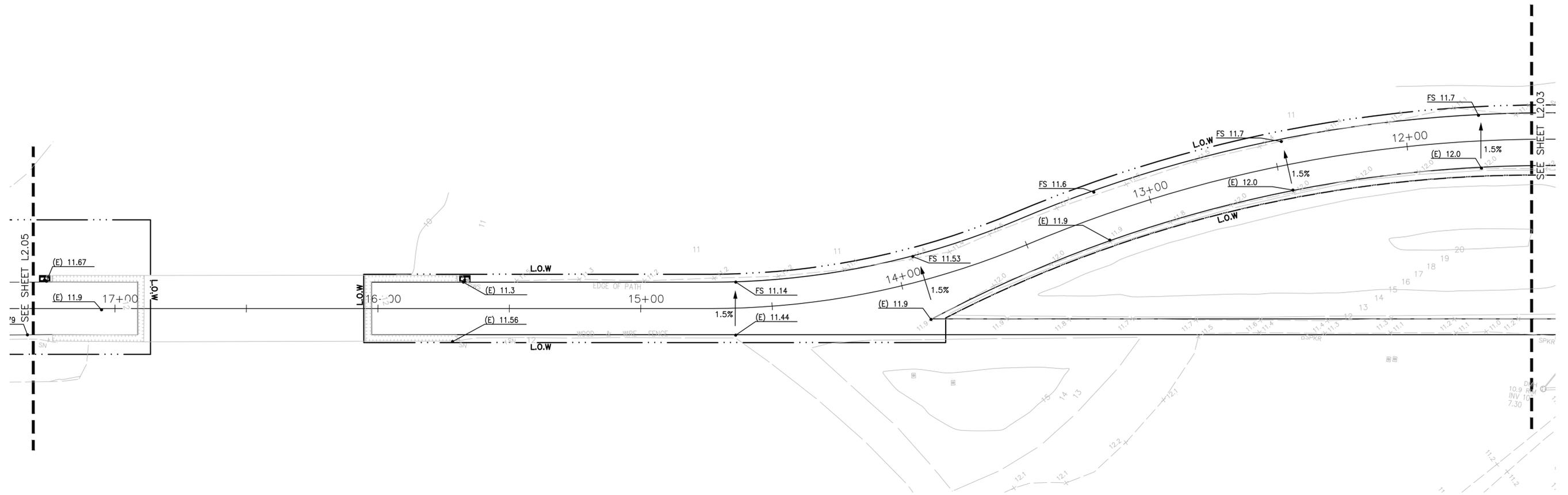
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 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.  
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TITLE OF SHEET  
**GRADING PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
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 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L2.02**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 \_\_\_\_\_ OF \_\_\_\_\_





### GRADING LEGEND

SYMBOL	DESCRIPTION
FS 20.15 x	PROPOSED SPOT ELEVATION
(E) 20.15 x	EXISTING SPOT ELEVATION
--- GB ---	GRADE BREAK
2% ↘	SLOPE
BC	BOTTOM OF CURB
BTA	BIOTREATMENT AREA
BW	BOTTOM OF WALL
BSW	BACK OF SIDEWALK
FG	FINISHED GRADE (AT PLANTING)
FS	FINISHED SURFACE (AT PAVING)
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
S.C.D.	SEE CIVIL DRAWINGS
TC	TOP OF CURB
TW	TOP OF WALL

\*SEE GRADING NOTES ON SHEET G0.02 FOR ADDITIONAL GRADING INFORMATION.



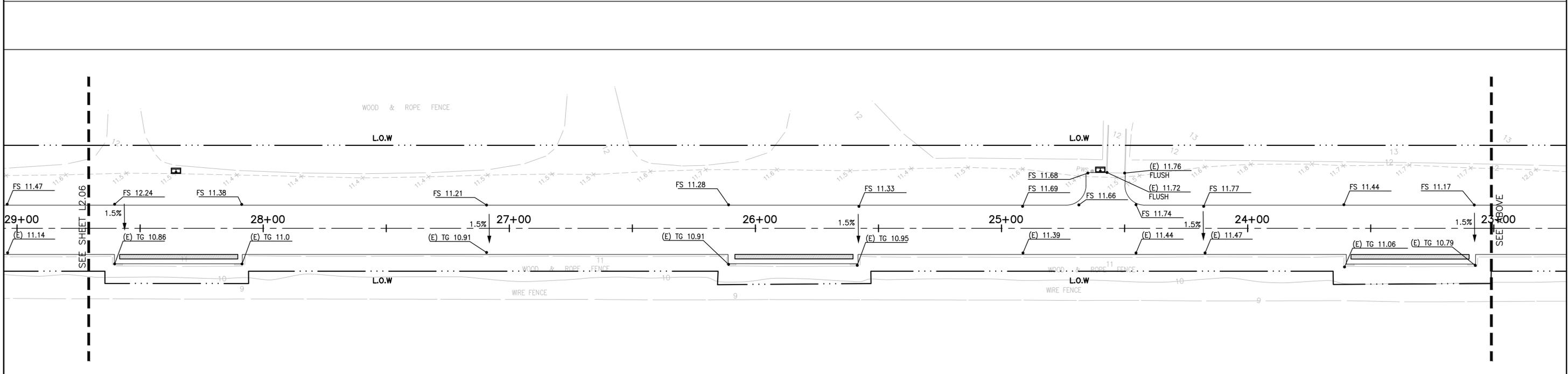
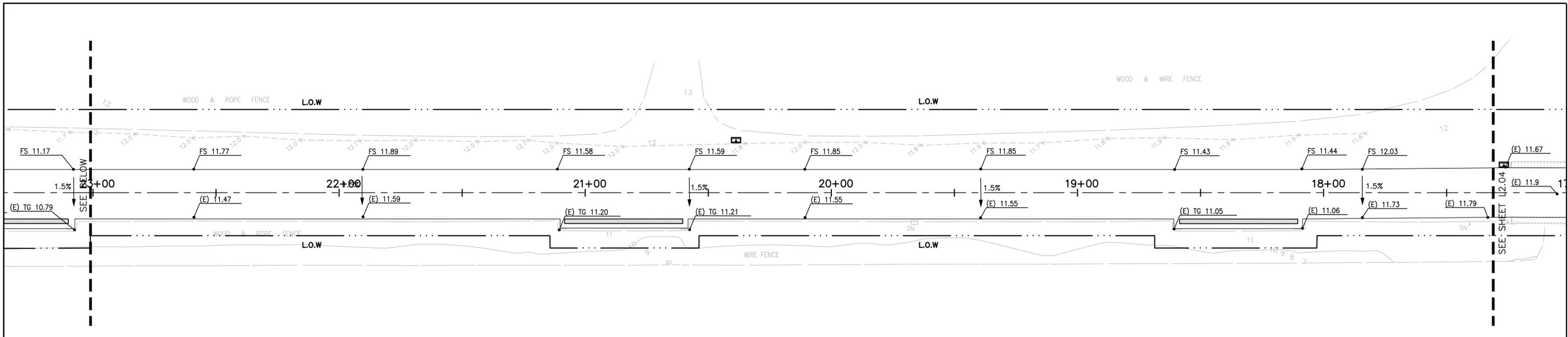
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 CRISSY FIELD: PROMENADE RESURFACING  
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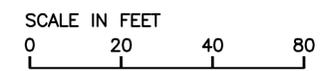
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**L2.04**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 OF



**GRADING LEGEND**

SYMBOL	DESCRIPTION
FS 20.15 x	PROPOSED SPOT ELEVATION
(E) 20.15 x	EXISTING SPOT ELEVATION
— GB —	GRADE BREAK
2%	SLOPE
BC	BOTTOM OF CURB
BTA	BIOTREATMENT AREA
BW	BOTTOM OF WALL
BSW	BACK OF SIDEWALK
FG	FINISHED GRADE (AT PLANTING)
FS	FINISHED SURFACE (AT PAVING)
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
S.C.D.	SEE CIVIL DRAWINGS
TC	TOP OF CURB
TW	TOP OF WALL

\*SEE GRADING NOTES ON SHEET G0.02 FOR ADDITIONAL GRADING INFORMATION.



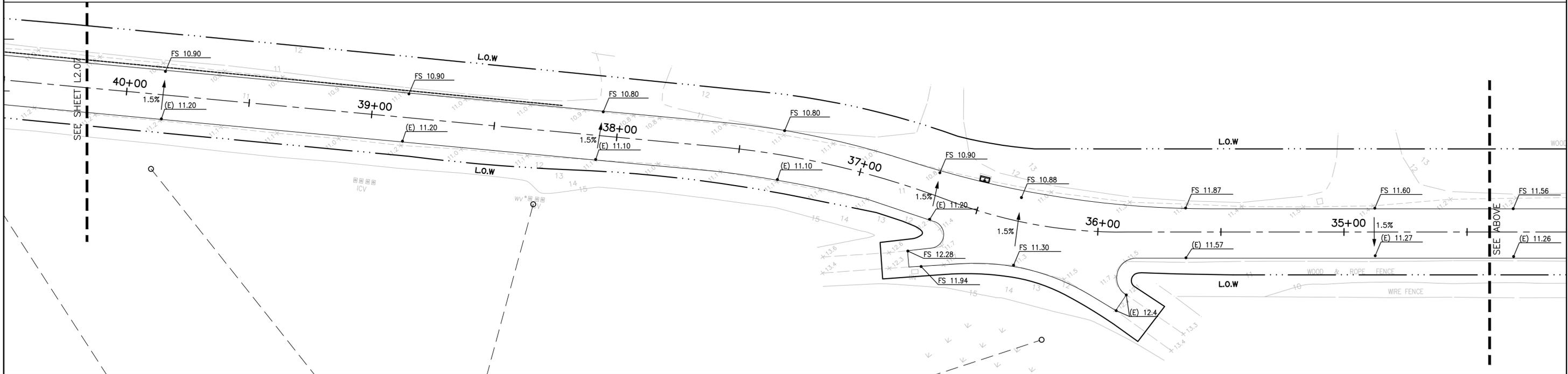
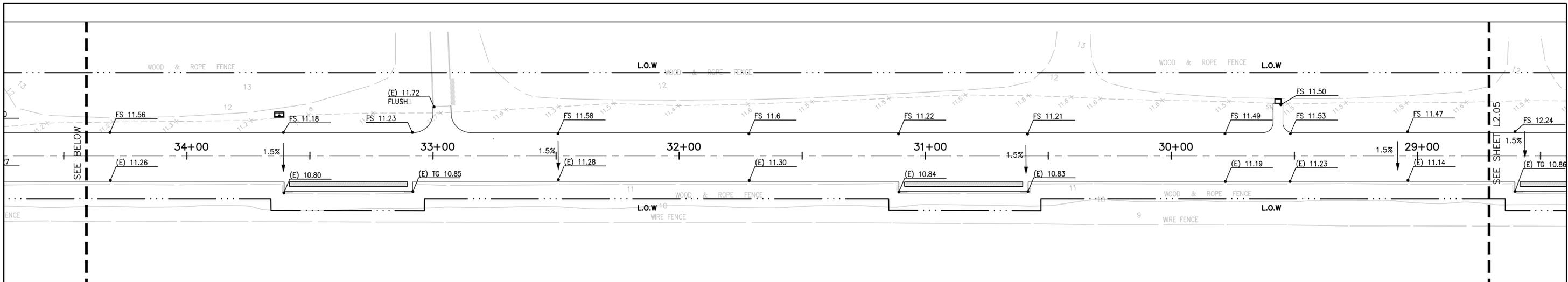
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 FACSIMILE: 415/495-3080

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TITLE OF SHEET  
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 CRISSY FIELD: PROMENADE RESURFACING  
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 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

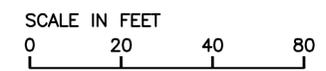
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 PMIS/PKG NO.  
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 SHEET  
 \_\_\_\_\_ OF \_\_\_\_\_



**GRADING LEGEND**

SYMBOL	DESCRIPTION
FS 20.15 x	PROPOSED SPOT ELEVATION
(E) 20.15 x	EXISTING SPOT ELEVATION
— GB —	GRADE BREAK
2%	SLOPE
BC	BOTTOM OF CURB
BTA	BIOTREATMENT AREA
BW	BOTTOM OF WALL
BSW	BACK OF SIDEWALK
FG	FINISHED GRADE (AT PLANTING)
FS	FINISHED SURFACE (AT PAVING)
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
S.C.D.	SEE CIVIL DRAWINGS
TC	TOP OF CURB
TW	TOP OF WALL

\*SEE GRADING NOTES ON SHEET G0.02 FOR ADDITIONAL GRADING INFORMATION.



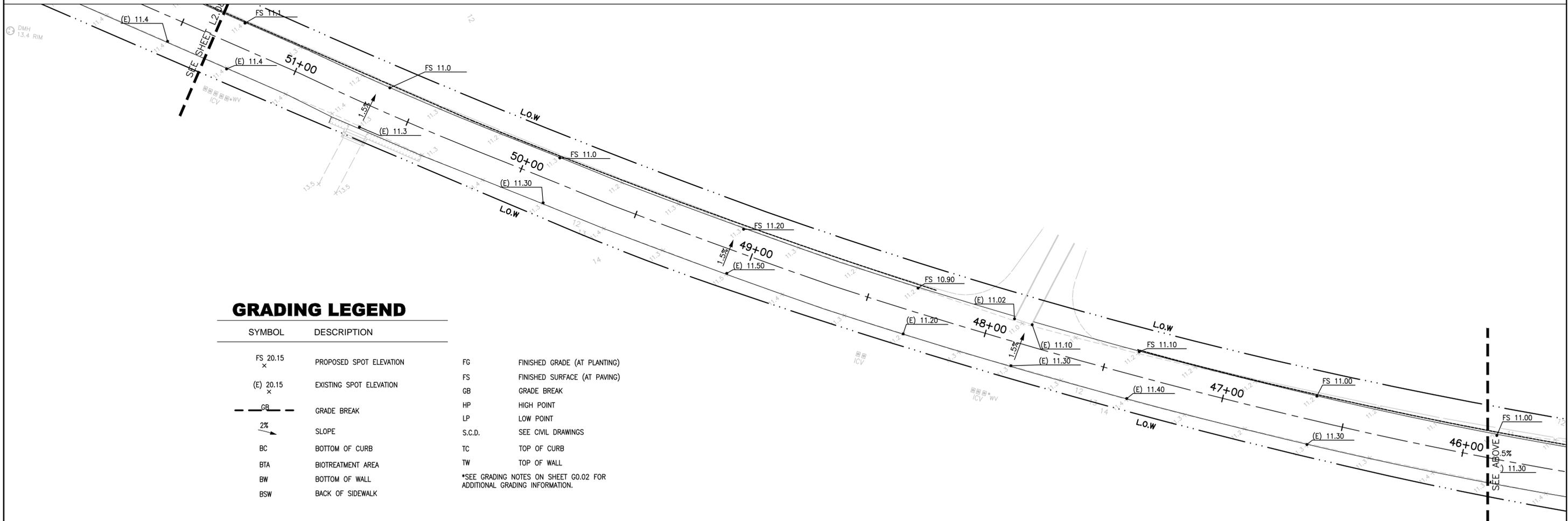
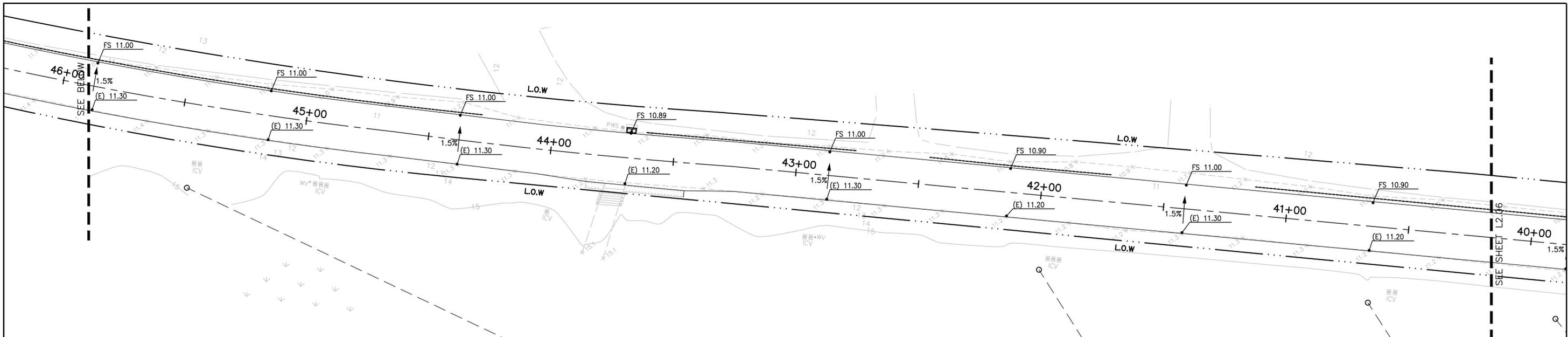
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SUB SHEET NO.

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 CRISSY FIELD: PROMENADE RESURFACING  
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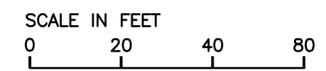
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**L2.06**  
 PMIS/PKG NO.  
 221770  
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 OF



**GRADING LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
FS 20.15 x	PROPOSED SPOT ELEVATION	FG	FINISHED GRADE (AT PLANTING)
(E) 20.15 x	EXISTING SPOT ELEVATION	FS	FINISHED SURFACE (AT PAVING)
--- GB ---	GRADE BREAK	GB	GRADE BREAK
2% ↘	SLOPE	HP	HIGH POINT
BC	BOTTOM OF CURB	LP	LOW POINT
BTA	BIOTREATMENT AREA	S.C.D.	SEE CIVIL DRAWINGS
BW	BOTTOM OF WALL	TC	TOP OF CURB
BSW	BACK OF SIDEWALK	TW	TOP OF WALL

\*SEE GRADING NOTES ON SHEET G0.02 FOR ADDITIONAL GRADING INFORMATION.



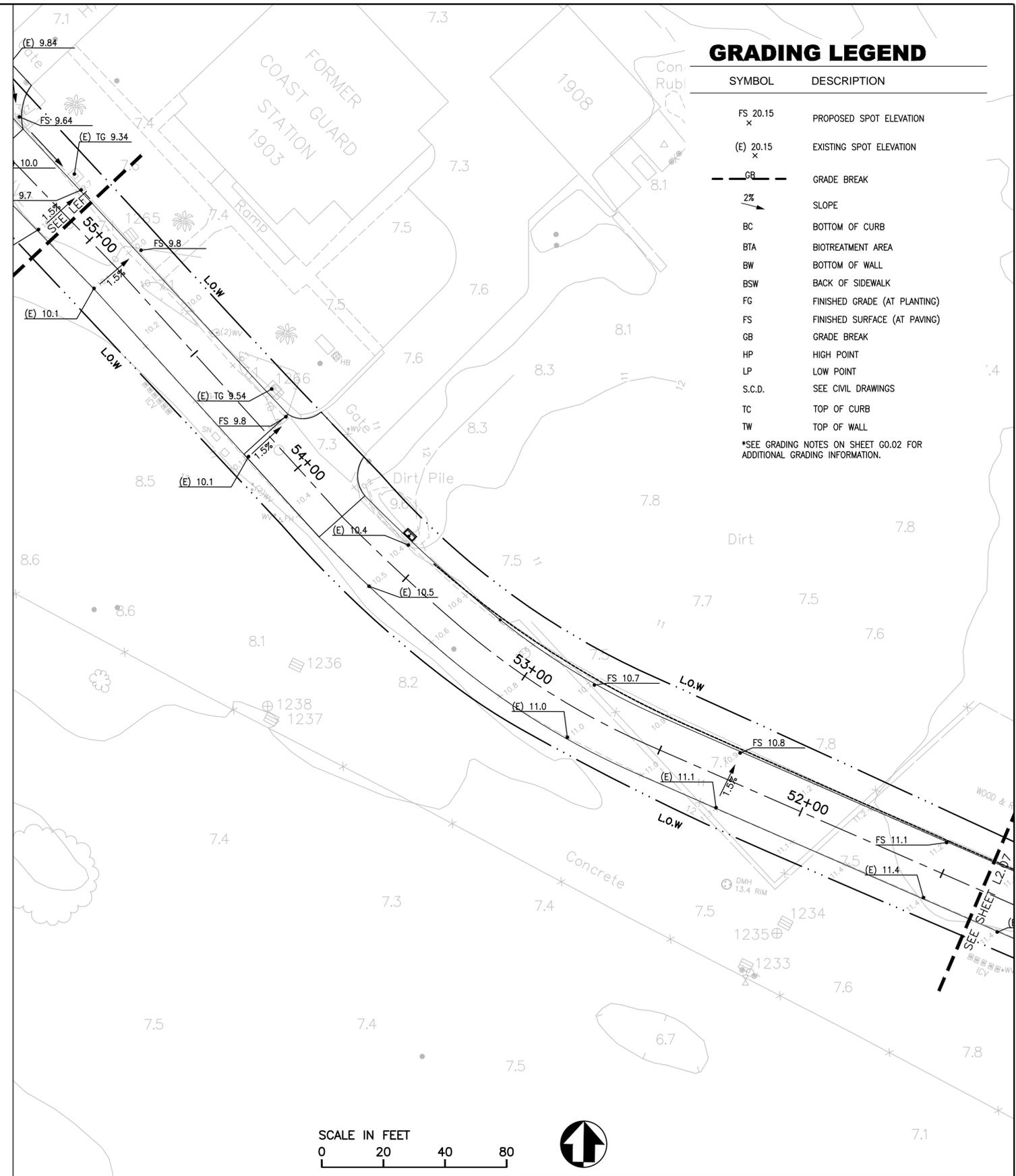
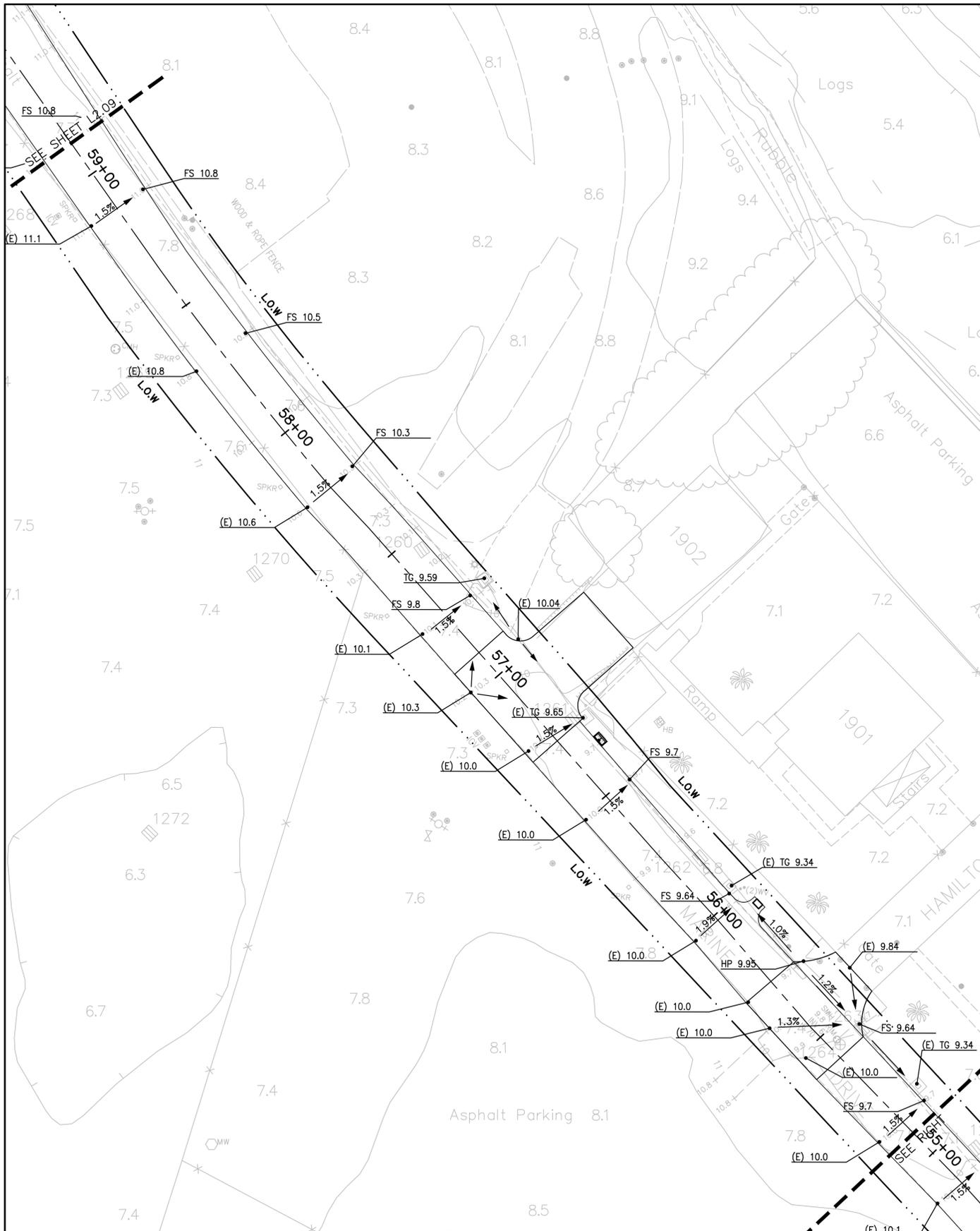
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TITLE OF SHEET  
**GRADING PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L2.07**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 OF



### GRADING LEGEND

SYMBOL	DESCRIPTION
FS 20.15 x	PROPOSED SPOT ELEVATION
(E) 20.15 x	EXISTING SPOT ELEVATION
— GB —	GRADE BREAK
2%	SLOPE
BC	BOTTOM OF CURB
BTA	BIOTREATMENT AREA
BW	BOTTOM OF WALL
BSW	BACK OF SIDEWALK
FG	FINISHED GRADE (AT PLANTING)
FS	FINISHED SURFACE (AT PAVING)
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
S.C.D.	SEE CIVIL DRAWINGS
TC	TOP OF CURB
TW	TOP OF WALL

\*SEE GRADING NOTES ON SHEET G0.02 FOR ADDITIONAL GRADING INFORMATION.



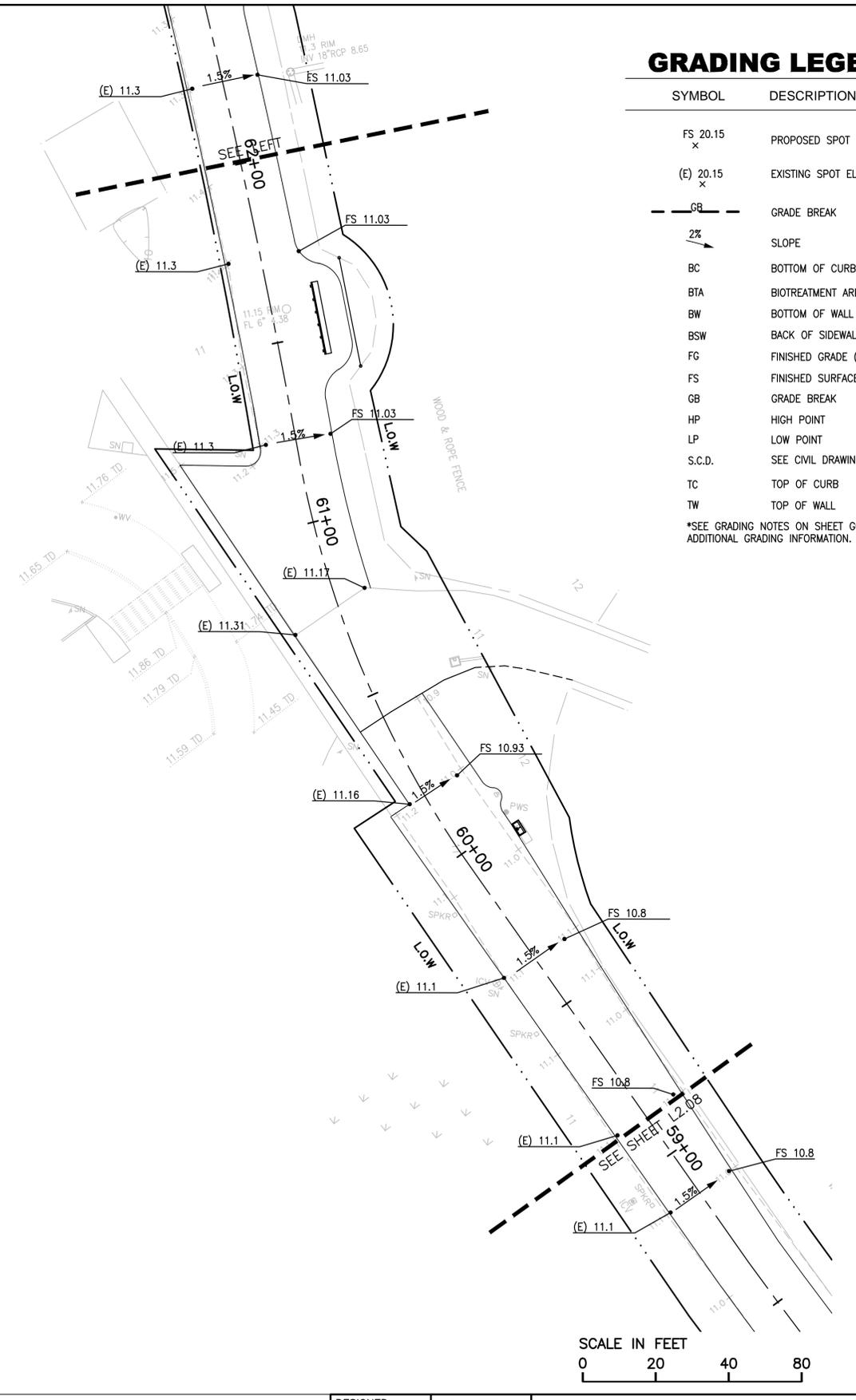
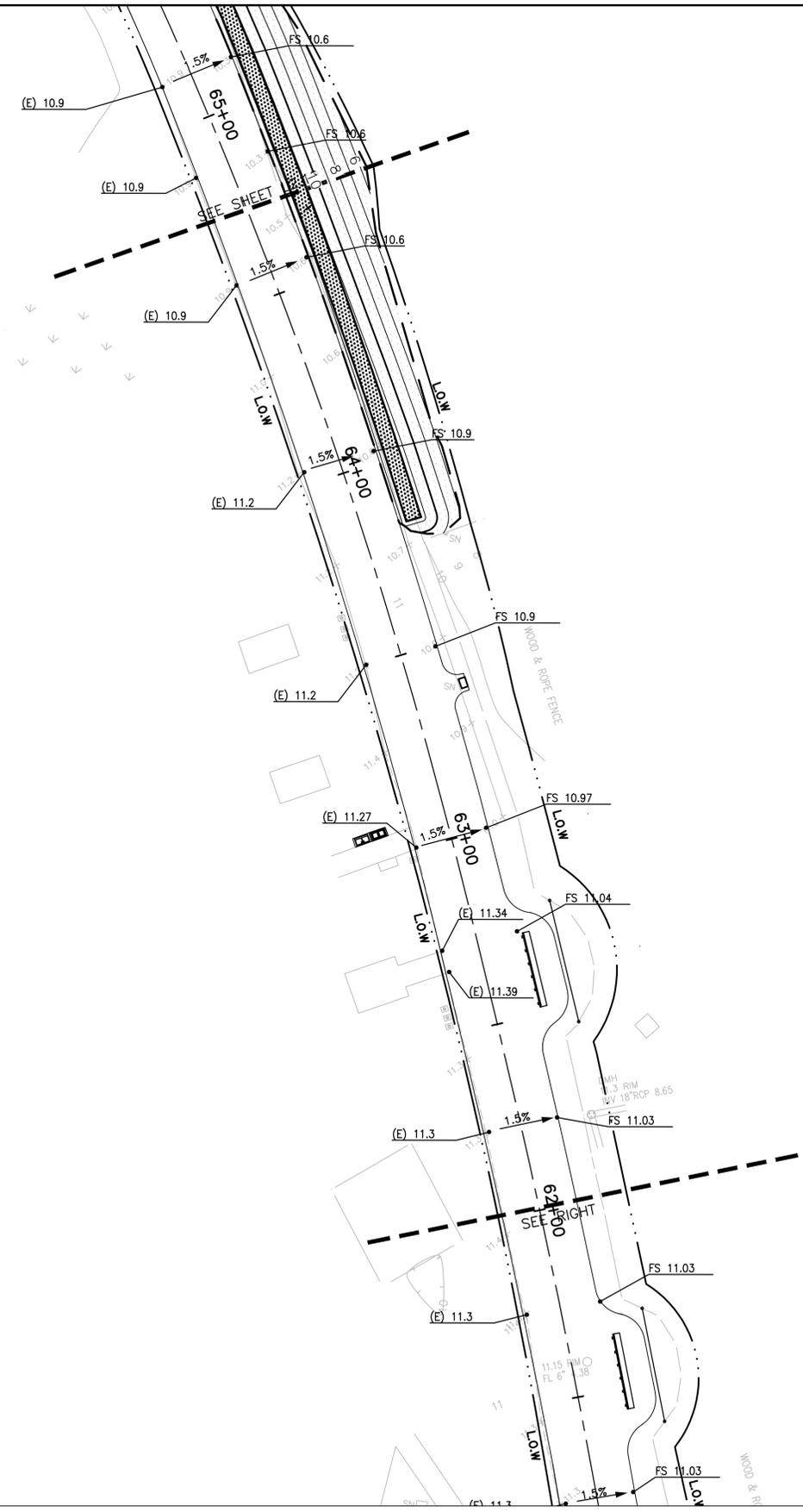
**CMG**  
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 SAN FRANCISCO, CA 94107  
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 CRISSY FIELD: PROMENADE RESURFACING  
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 GOLDEN GATE NATIONAL RECREATION AREA  
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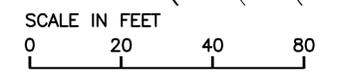
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 PMIS/PKG NO.  
 221770  
 SHEET  
 \_\_\_\_\_ OF \_\_\_\_\_



### GRADING LEGEND

SYMBOL	DESCRIPTION
FS 20.15 x	PROPOSED SPOT ELEVATION
(E) 20.15 x	EXISTING SPOT ELEVATION
--- GB ---	GRADE BREAK
2%	SLOPE
BC	BOTTOM OF CURB
BTA	BIOTREATMENT AREA
BW	BOTTOM OF WALL
BSW	BACK OF SIDEWALK
FG	FINISHED GRADE (AT PLANTING)
FS	FINISHED SURFACE (AT PAVING)
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
S.C.D.	SEE CIVIL DRAWINGS
TC	TOP OF CURB
TW	TOP OF WALL

\*SEE GRADING NOTES ON SHEET G0.02 FOR ADDITIONAL GRADING INFORMATION.



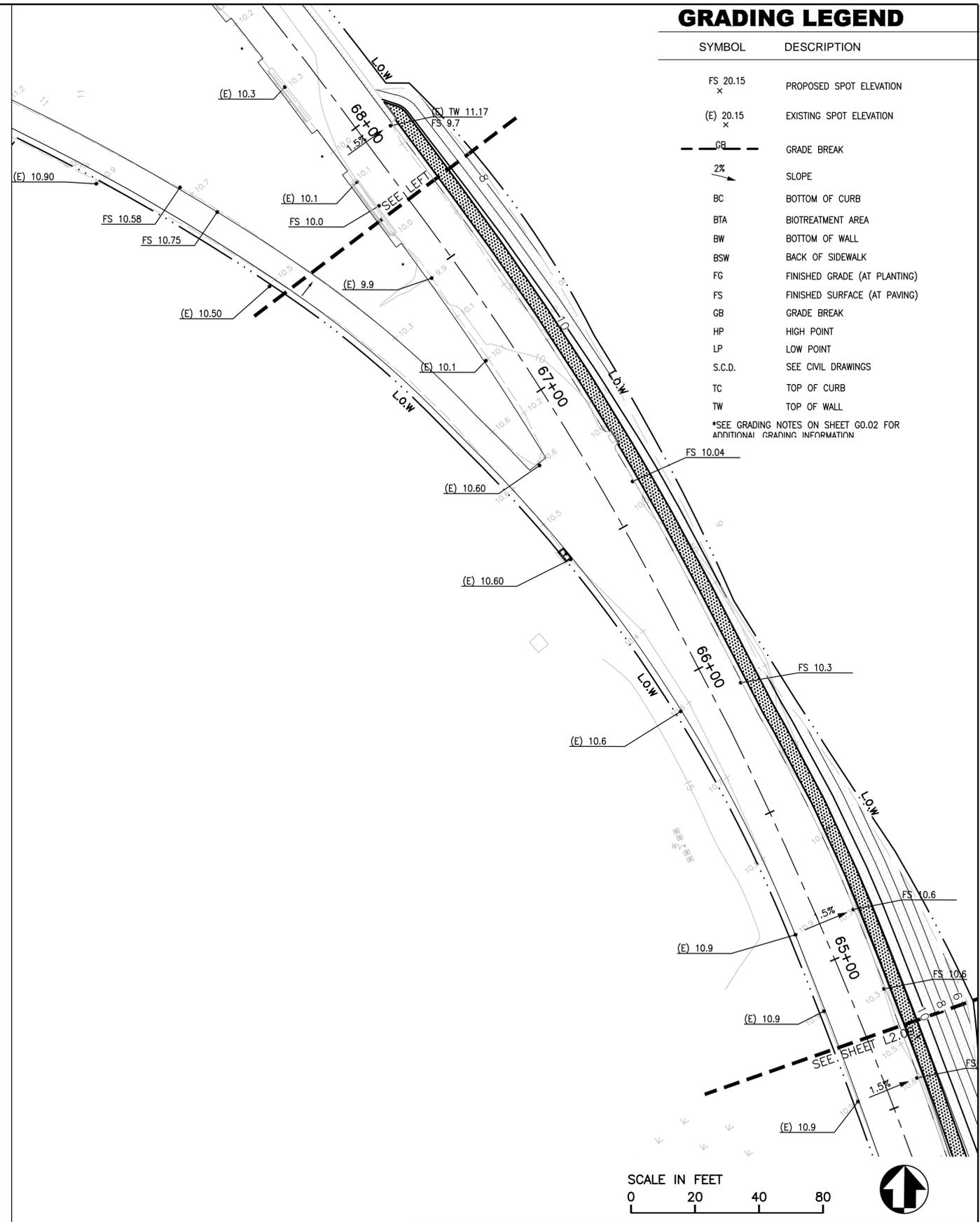
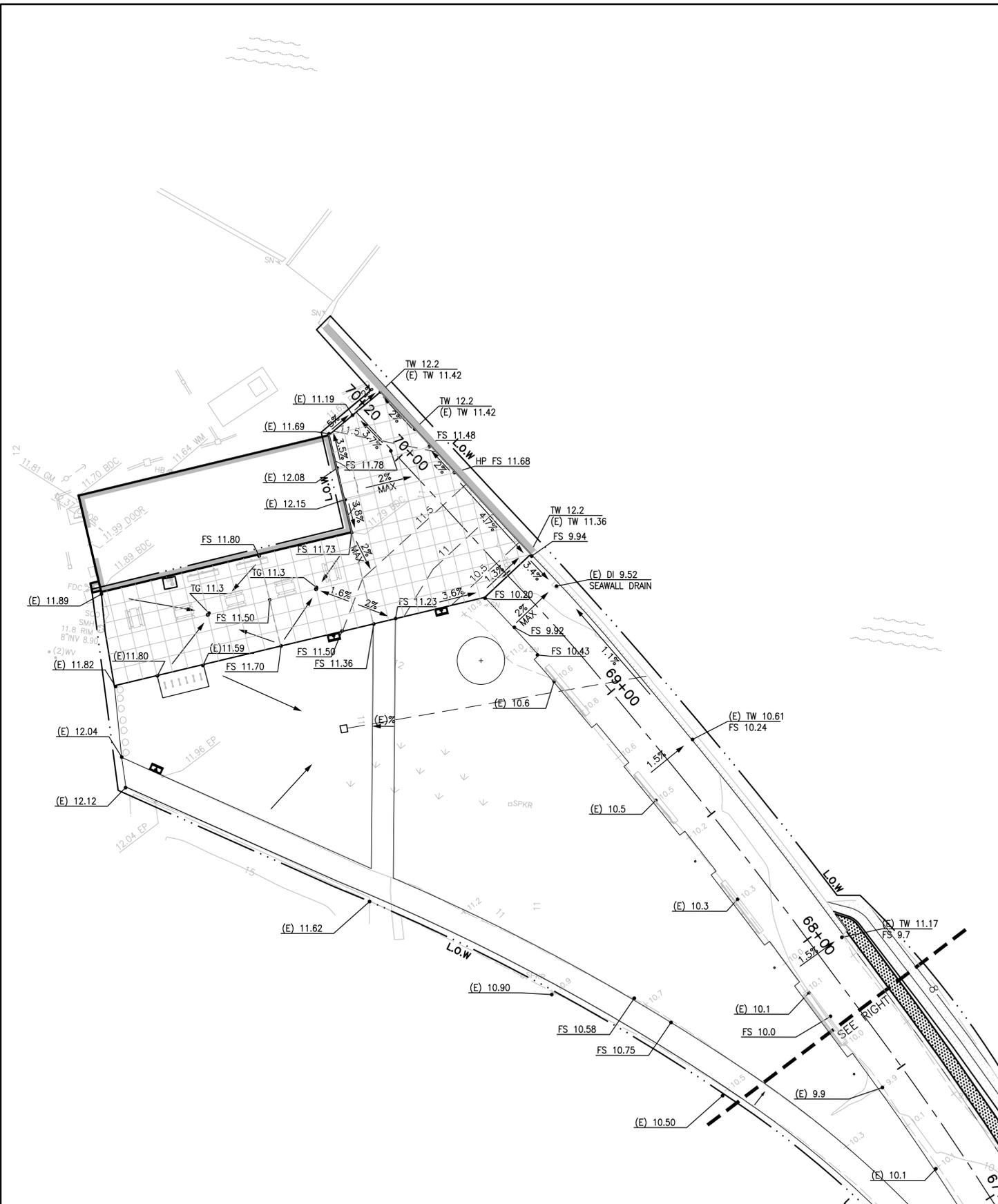
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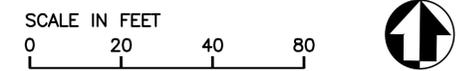
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 221770  
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 \_\_\_\_\_ OF \_\_\_\_\_



**GRADING LEGEND**

SYMBOL	DESCRIPTION
FS 20.15 x	PROPOSED SPOT ELEVATION
(E) 20.15 x	EXISTING SPOT ELEVATION
--- GR ---	GRADE BREAK
2%	SLOPE
BC	BOTTOM OF CURB
BTA	BIOTREATMENT AREA
BW	BOTTOM OF WALL
BSW	BACK OF SIDEWALK
FG	FINISHED GRADE (AT PLANTING)
FS	FINISHED SURFACE (AT PAVING)
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
S.C.D.	SEE CIVIL DRAWINGS
TC	TOP OF CURB
TW	TOP OF WALL

\*SEE GRADING NOTES ON SHEET GO.02 FOR ADDITIONAL GRADING INFORMATION



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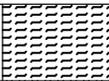
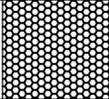
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**GRADING PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
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 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L2.10**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 OF

**PLANTING SCHEDULE**

PLANTING MIX

PA-1		FESCUE RUBRA 'MOLATE'	CREEPING RED FESCUE	SEEDED GRASS, PER SPECIFICATIONS
PA-2		PLANTED BUFFER AT EAST BEACH	PLANTING NOT IN SCOPE. CONTRACTOR RESPONSIBLE FOR PREPARATION OF PLANTING AREA TO INCLUDE SOIL PREPARATION, IRRIGATION AND JUTE MESH. SEE SPECIFICATIONS.	



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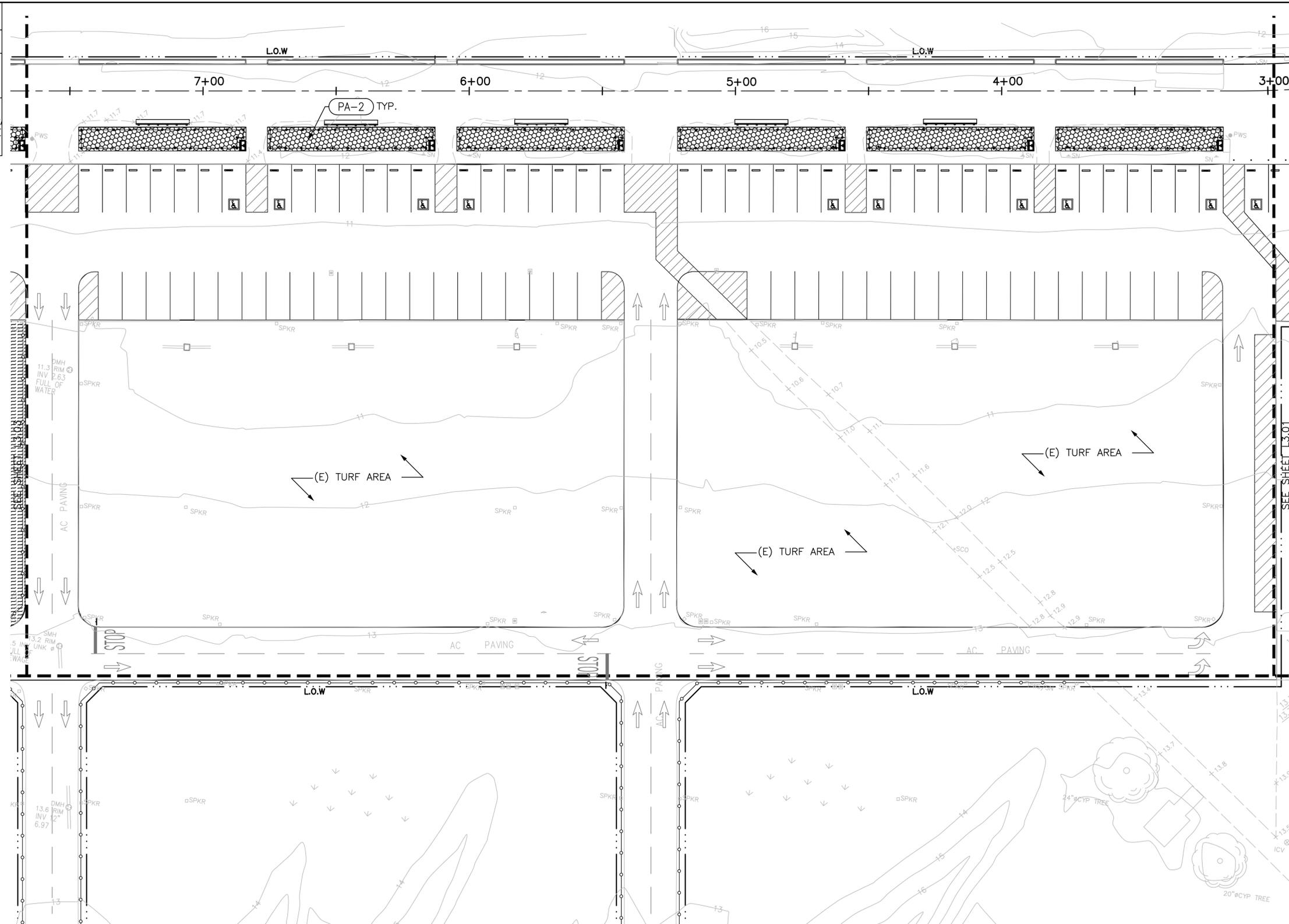
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**PLANTING SCHEDULE**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L3.00**  
 PMIS/PKG. NO.  
 221770  
 SHEET  
**XX** OF **XX**

# PLANTING SCHEDULE

## PLANTING MIX

PA-1		FESCUE RUBRA 'MOLATE'	CREeping RED FESCUE
PA-2		PLANTED BUFFER AT EAST BEACH	PLANTING NOT IN SCOPE. CONTR. IRRIGATION AND JUTE MESH. SEE



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 Hatched  
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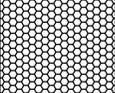
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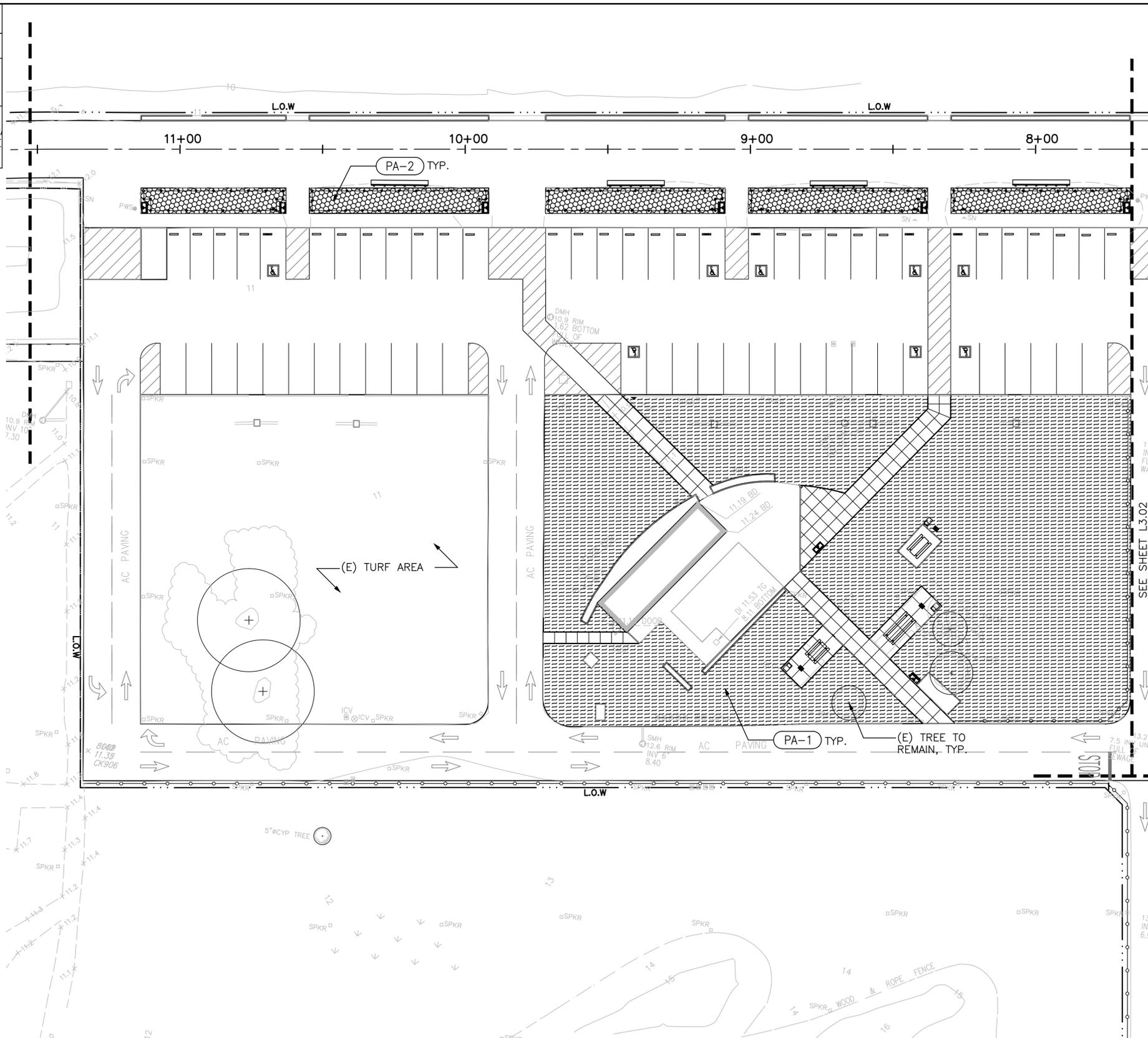
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 CRISSY FIELD: PROMENADE RESURFACING  
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 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L3.02**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 \_\_\_\_\_ OF \_\_\_\_\_

# PLANTING SCHEDULE

## PLANTING MIX

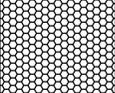
PA-1		FESCUE RUBRA 'MOLATE'	CREeping RED FESCUE
PA-2		PLANTED BUFFER AT EAST BEACH	PLANTING NOT IN SCOPE. CONTR. IRRIGATION AND JUTE MESH. SEE

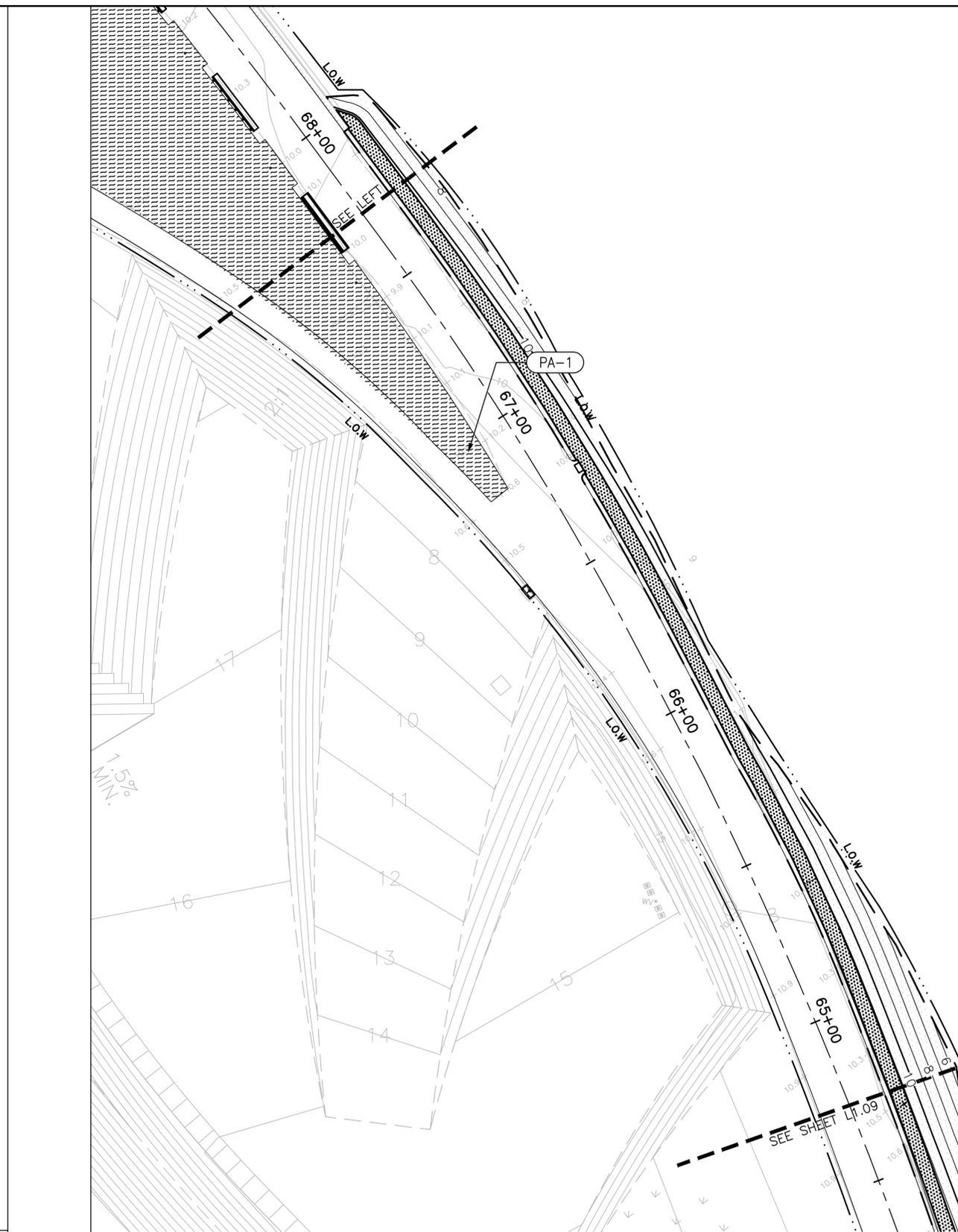
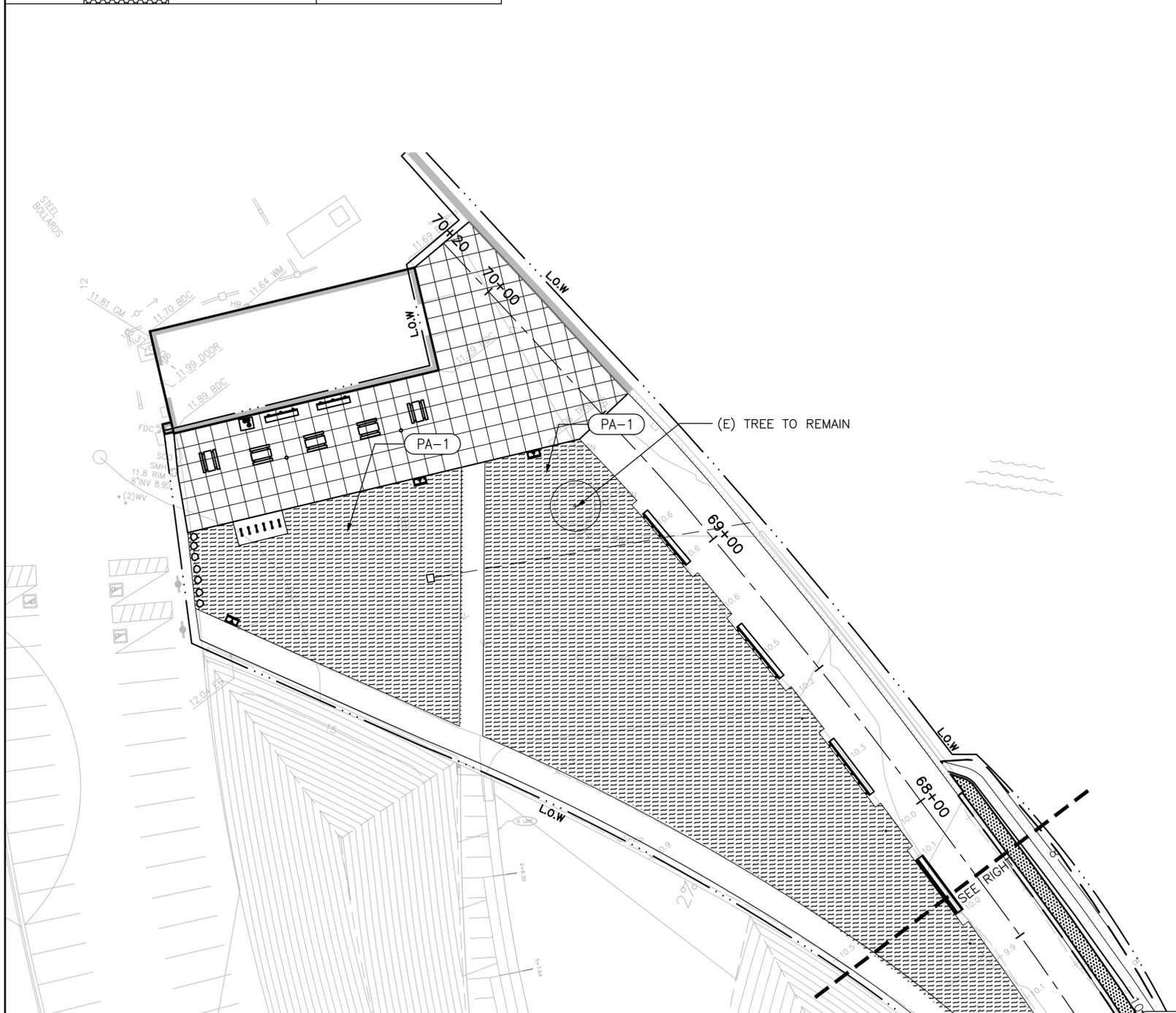


 <b>CONGER MOSS GUILLARD</b> 500 THIRD STREET SUITE 215 SAN FRANCISCO, CA 94107 TELEPHONE: 415/495-3070 FACSIMILE: 415/495-3080	DESIGNED: CMG  HN/JH/RG TECH. REVIEW: KC/GB/CR DATE: 05.20.2016	SUB SHEET NO.  	TITLE OF SHEET <b>PLANTING PLAN</b> CRISSY FIELD: PROMENADE RESURFACING AND EAST BEACH PARKING RECONFIGURATION GOLDEN GATE NATIONAL RECREATION AREA THE PRESIDIO OF SAN FRANCISCO	DRAWING NO. <b>L3.03</b> PMIS/PKG NO. 221770 SHEET OF
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# PLANTING SCHEDULE

## PLANTING MIX

PA-1		FESCUE RUBRA 'MOLATE' CREEPING RED FESCUE
PA-2		PLANTED BUFFER AT EAST BEACH PLANTING NOT IN SCOPE. CONTR IRRIGATION AND JUTE MESH. SEE



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SUB SHEET NO.

TITLE OF SHEET  
**PLANTING PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L3.10**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 OF

**IRRIGATION NOTES**

- THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS MAY BE SHOWN WITHIN PAVED AREAS FOR GRAPHIC CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, CONDUIT, AND OTHER ITEMS WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISHED CONDITION AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES. IN THE EVENT OF FIELD DISCREPANCY WITH CONTRACT DOCUMENTS, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATIONS. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND REGULATIONS. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE NATIONAL ELECTRIC CODE; THE UNIFORM PLUMBING CODE, PUBLISHED BY THE WESTERN PLUMBING OFFICIALS ASSOCIATION; AND OTHER STATE OR LOCAL LAWS OR REGULATIONS. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR REGULATIONS. THE CONTRACTOR SHALL FURNISH WITHOUT ANY EXTRA CHARGE, ANY ADDITIONAL MATERIAL AND LABOR WHEN REQUIRED BY THE COMPLIANCE WITH THESE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LAYOUT AND INSTALLATION OF THE PLANT MATERIALS TO INSURE THAT THERE WILL BE COMPLETE AND UNIFORM IRRIGATION COVERAGE OF PLANTING IN ACCORDANCE WITH THESE DRAWINGS, AND CONTRACT DOCUMENTS. THE IRRIGATION LAYOUT SHALL BE CHECKED BY THE CONTRACTOR AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO CONSTRUCTION TO DETERMINE IF ANY CHANGES, DELETIONS, OR ADDITIONS ARE REQUIRED. IRRIGATION SYSTEM SHALL BE INSTALLED AND TESTED PRIOR TO INSTALLATION OF PLANT MATERIAL.
- THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.
- IT IS THE RESPONSIBILITY OF THE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM THE IRRIGATION CONTROLLER(S) TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT MATERIAL, WATER REQUIREMENTS, MOUNDS, SLOPES, SUN, SHADE AND WIND EXPOSURE.
- PROVIDE EACH IRRIGATION CONTROLLER WITH ITS OWN INDEPENDENT LOW VOLTAGE COMMON GROUND WIRE.
- IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. COMMON GROUND WIRE: SIZE #12-1 WIRE WITH A WHITE INSULATING JACKET. CONTROL WIRE SERVICING REMOTE CONTROL VALVES: SIZE #14-1 WIRE WITH INSULATING JACKET OF COLOR OTHER THAN WHITE. SPLICES SHALL BE MADE WITH 3M-DBY SEAL PACKS OR APPROVED EQUAL.
- INSTALL TWO SPARE CONTROL WIRES OF A DIFFERENT COLOR ALONG THE ENTIRE MAIN LINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.
- SPLICING OF LOW VOLTAGE WIRES IS PERMITTED IN VALVE BOXES ONLY. LEAVE A 36" LONG, 1" DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN. TAPE WIRES TOGETHER EVERY TEN FEET. DO NOT TAPE WIRES TOGETHER WHERE CONTAINED WITHIN SLEEVING OR CONDUIT.
- INSTALL GREEN PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURER'S INCLUDE NDS, CARSON OR APPROVED EQUAL.
- INSTALL REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, INSTALL EACH BOX AN EQUAL DISTANCE FROM THE WALK, CURB, BUILDING OR LANDSCAPE FEATURE AND PROVIDE 12" BETWEEN BOX TOPS. ALIGN THE SHORT SIDE OF RECTANGULAR VALVE BOXES PARALLEL TO WALK, CURB,

BUILDING OR LANDSCAPE FEATURE.

- VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS.
- THE CONTRACTOR SHALL LABEL CONTROL LINE WIRE AT EACH REMOTE CONTROL VALVE WITH A 2 1/4" X 2 3/4" POLYURETHANE I.D. TAG, INDICATING IDENTIFICATION NUMBER OF VALVE (CONTROLLER AND STATION NUMBER). ATTACH LABEL TO CONTROL WIRE. THE CONTRACTOR SHALL PERMANENTLY STAMP ALL VALVE BOX LIDS WITH APPROPRIATE IDENTIFICATION AS NOTED IN CONSTRUCTION DETAILS.
- THE REMOTE CONTROL VALVES SPECIFIED ON THE DRAWINGS IS A PRESSURE REDUCING TYPE. SET THE DISCHARGE PRESSURE AS FOLLOWS:
  - SPRAY HEADS=40 PSI
  - ROTARY HEADS=60 PSI
  - DRIP EMITTERS=35 PSI
  - BUBBLERS= 30 PSI
- INSTALL A GATE VALVE TO ISOLATE EACH REMOTE CONTROL VALVE OR GROUP OF RCV'S LOCATED TOGETHER. GATE VALVE SIZE SHALL BE SAME AS THE LARGEST REMOTE CONTROL VALVE IN MANIFOLD.
- FLUSH AND ADJUST IRRIGATION OUTLETS AND NOZZLES FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. SELECT THE BEST DEGREE OF THE ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS AND THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH CONTROL ZONE.
- SET SPRINKLER HEADS PERPENDICULAR TO FINISH GRADE.
- WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, USE CAUTION TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATE BY HAND IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR. BACK FILL TRENCHES ADJACENT TO TREE WITHIN TWENTY-FOUR (24) HOURS. WHERE THIS IS NOT POSSIBLE, SHADE THE SIDE OF THE TRENCH ADJACENT TO THE TREE WITH WET BURLAP OR CANVAS.
- THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
- IRRIGATION DEMAND: REFER TO PLANS.
- THE EXISTING MAIN LINE SHOWN ON THE DRAWINGS IS DIAGRAMMATIC. VERIFY AND LOCATE EXISTING MAIN LINE IN FIELD. REPORT TO ARCHITECT IN WRITING ANY DEVIATION OF EXISTING MAIN LINE LOCATION FROM THAT SHOWN ON THE DRAWINGS.
- AT POINT OF CONNECTION AT EXISTING MAIN LINE FOR NEW REMOTE CONTROL VALVES OR QUICK COUPLING VALVES, INSTALL A SERVICE SADDLE WITH REQUIRED TAPPED OUTLET SIZE. SMITH-BLAIR MODEL 317, ROMAC 202N, OR APPROVED EQUAL.
- AT POINTS OF CONNECTION BETWEEN NEW MAIN LINE AND EXISTING CAPPED GASKETED MAIN LINE USE THE FOLLOWING PROCEDURE:
  - REMOVE CAP AT END OF EXISTING MAIN LINE. REAM FIELD CUT END TO FULL PIPE DIAMETER WITH ROUGH EDGES AND BURRS REMOVED.
  - ASSEMBLE NEW MAIN LINE TO EXISTING MAIN LINE WITH A DUCTILE IRON GASKETED REPAIR COUPLING, SIZE AS REQUIRED (HARCO, OR APPROVED EQUAL). THRUST BLOCK AT CHANGE OF PIPE DIRECTION IN ACCORDANCE WITH PIPE MANUFACTURER RECOMMENDATIONS.
- PIPE SIZING SHOWN ON THE DRAWINGS IS TYPICAL. AS CHANGES IN LAYOUT OCCUR DURING STAKING AND CONSTRUCTION THE SIZE MAY NEED TO BE ADJUSTED ACCORDINGLY.
- PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL #5.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR CHANGES IN THE IRRIGATION LAYOUT DUE TO

OBSTRUCTIONS NOT SHOWN ON THE IRRIGATION DRAWINGS SUCH AS LIGHTS, FIRE HYDRANTS, SIGNS, ELECTRICAL ENCLOSURES, ETC.

- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE IRRIGATION SYSTEM DESIGN IF THE PLANTING DESIGN CHANGES FROM THE ORIGINAL PLAN AND NEEDS TO ADAPT TO THE NEW PLANTING DESIGN. THE LANDSCAPE CONTRACTOR NEEDS TO NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT OF PROPOSED CHANGES PRIOR TO INSTALLATION FOR APPROVAL.
- WHEN WORK OF THIS SECTION HAS BEEN COMPLETED AND SUCH OTHER TIMES AS MAY BE DIRECTED, REMOVE ALL TRASH, DEBRIS, SURPLUS MATERIALS AND EQUIPMENT FROM SITE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTAL HAND WATERING OF ALL PLANT MATERIAL WITHIN DRIPLINE AREAS UNTIL THE PLANTS ARE SUFFICIENTLY ESTABLISHED.
- VERIFY LOCATIONS OF ALL IRRIGATION COMPONENTS INSTALLED WITHIN A VALVE BOX WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. DO NOT INSTALL UNTIL LANDSCAPE ARCHITECT PROVIDES ACCEPTABLE LOCATIONS.

**IRRIGATION LEGEND**

SYMBOL	MODEL NUMBER	DESCRIPTION	NOZZLE GPM	OPERATING PSI	OPERATING RADIUS (FEET)
	I-20-06-SS-5.0	HUNTER POP-UP GEAR DRIVEN ROTOR (LAWN)	5.0	45	30-40
	I-20-06-SS-5.0	HUNTER POP-UP GEAR DRIVEN ROTOR (LAWN)	5.0	45	30-40
	I-20-06-SS-3.0	HUNTER POP-UP GEAR DRIVEN ROTOR (LAWN)	3.0	45	30-40
	I-20-06-SS-3.0SR	HUNTER POP-UP GEAR DRIVEN ROTOR (LAWN)	3.0	50	20-25
	I-20-06-SS-3.0SR	HUNTER POP-UP GEAR DRIVEN ROTOR (LAWN)	3.0	50	20-25
	I-20-06-SS-1.5SR	HUNTER POP-UP GEAR DRIVEN ROTOR (LAWN)	1.5	50	20-25
	PROS-06-PRS40-CV/MP1000-360	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (LAWN)	0.75	40	12-14
	PROS-06-PRS40-CV/MP1000-90	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (LAWN)	0.37,0.19	40	12-14
	PROS-06-PRS40-CV/MP800SR-90	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (LAWN)	0.42,0.23	40	8-10

**IRRIGATION LEGEND-CONTINUED**

SYMBOL	MODEL NUMBER	DESCRIPTION	NOZZLE GPM	OPERATING PSI	OPERATING RADIUS (FEET)
	T-YD-500-34	TORO AIR RELIEF VALVE			
	FCH-H-FIPT	TORO FLUSH VALVE			
	T-DL-MP9	TORO DRIP ZONE INDICATOR			
	P-220-27 SERIES	TORO REMOTE CONTROL VALVE WITH PRESSURE REGULATION			
	-	EXISTING REMOTE CONTROL VALVE			
	DZK-TPV-1-MF	TORO REMOTE CONTROL VALVE (DRIP ZONES)			
	44 NP	RAIN BIRD QUICK COUPLING VALVE			
	T113-K	NIBCO GATE VALVE (LINE SIZE)-2" AND SMALLER.			
	-	EXISTING CONTROLLERS TO REMAIN.			
		CONTROLLER AND STATION NUMBER			
		FLOW (GPM)			
		REMOTE CONTROL VALVE SIZE (IN INCHES)			
		ASSOCIATED REMOTE CONTROL VALVE			
		CONTROLLER AND STATION NUMBER			
		AREA (SQ. FT.)			
		FLOW (GPM)			
		REMOTE CONTROL VALVE SIZE (IN INCHES)			
		ASSOCIATED REMOTE CONTROL VALVE			
		EXISTING MAIN LINE			
		MAIN LINE: 2" AND SMALLER: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 80 PVC SOLVENT WELD FITTINGS. 18" COVER.			
		LATERAL LINE: 3/4" AND LARGER: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 12" COVER.			
		SLEEVING: SCHEDULE 40 PVC PLASTIC PIPE. COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER.			
		DRIP ZONE: TORO DL2000 SERIES DRIPLINE WITH LOC-EZE FITTINGS, PART #RGP-212. TUBING TO BE INSTALLED 4" BELOW GRADE IN A 12" O.C. GRID ACCORDING TO DETAILS. MINIMUM PIPE SIZE OF PVC LATERAL LINE WITHIN DRIP AREAS TO BE 1". EXTEND PVC HEADERS TO THE ENDS OF ALL DRIP ZONES TO BALANCE FLOW. SEE DETAILS FOR FURTHER INFORMATION.			

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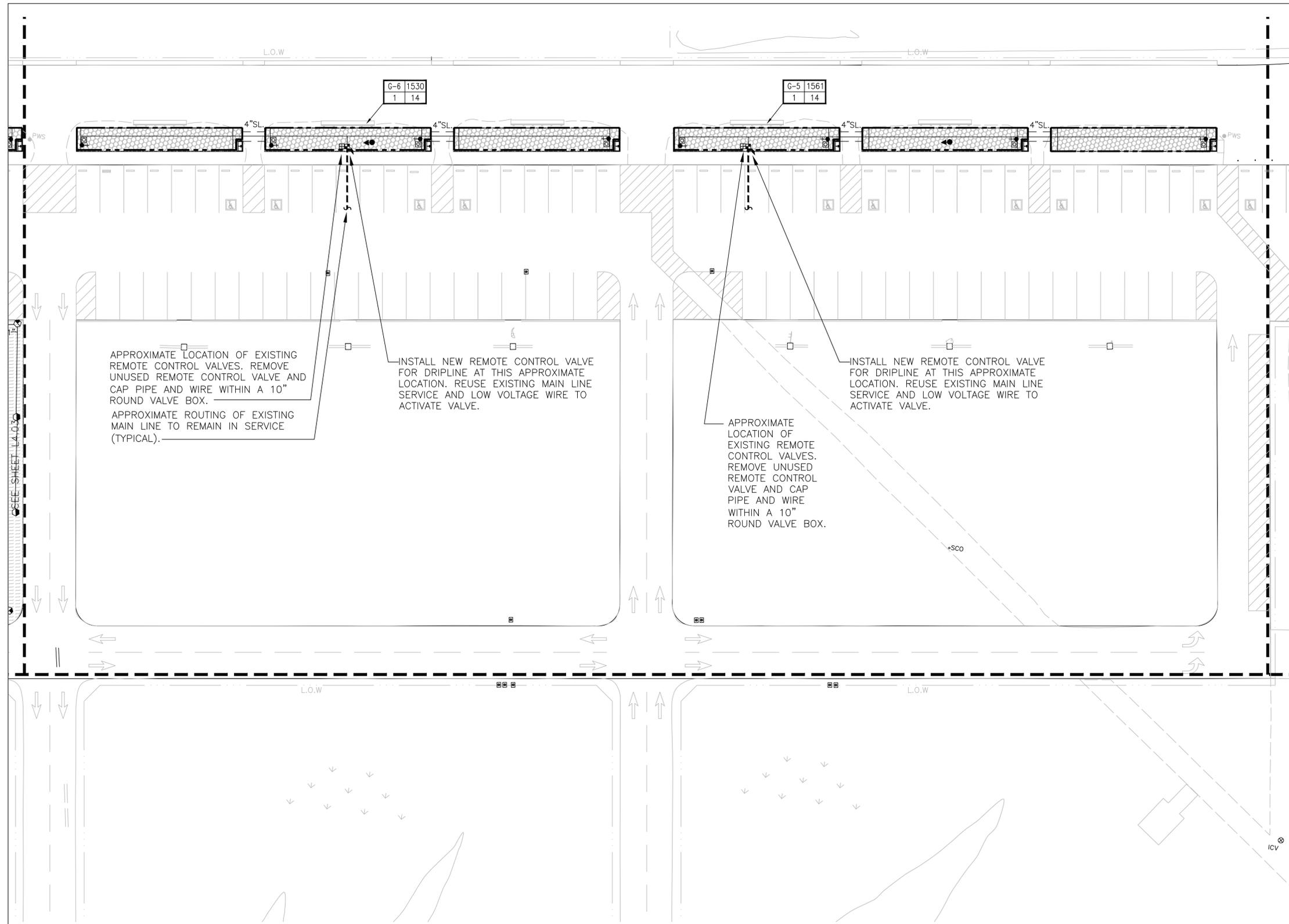


DESIGNED: CMG  
 EADP  
 HN/JH/RG  
 TECH. REVIEW: KC/GB/CR  
 DATE: 05.20.2016

SUB SHEET NO.

TITLE OF SHEET  
**IRRIGATION LEGEND AND NOTES**  
 CRISSY FIELD: PROMENADE RESURFACING AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO. L4.00  
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NOTES:

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- UNSIZE LATERAL LINE PIPING LOCATED DOWN STREAM OF 1" PIPING SHALL BE 3/4" IN SIZE (TYPICAL).
- SIZING OF LATERAL PIPE SHALL BE AS FOLLOWS:
 

.75"	0-6 GPM
1"	7-12 GPM
1.25"	13-20 GPM
1.5"	21-32 GPM
- SIZING OF LATERAL PIPE FOR DRIPLINE (12" O.C. GRID WITH 0.6 GPH OR LESS EMITTERS) SHALL BE AS FOLLOWS:
 

.75"	0-500 FT
1"	501-1100 FT
1.25"	1101-2000 FT
1.5"	2001-3000 FT



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SUB SHEET NO.

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**IRRIGATION PLAN**  
 CRISSY FIELD: PROMENADE RESURFACING  
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 GOLDEN GATE NATIONAL RECREATION AREA  
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APPROXIMATE LOCATION OF EXISTING REMOTE CONTROL VALVES. REMOVE UNUSED REMOTE CONTROL VALVE AND CAP PIPE AND WIRE WITHIN A 10" ROUND VALVE BOX.

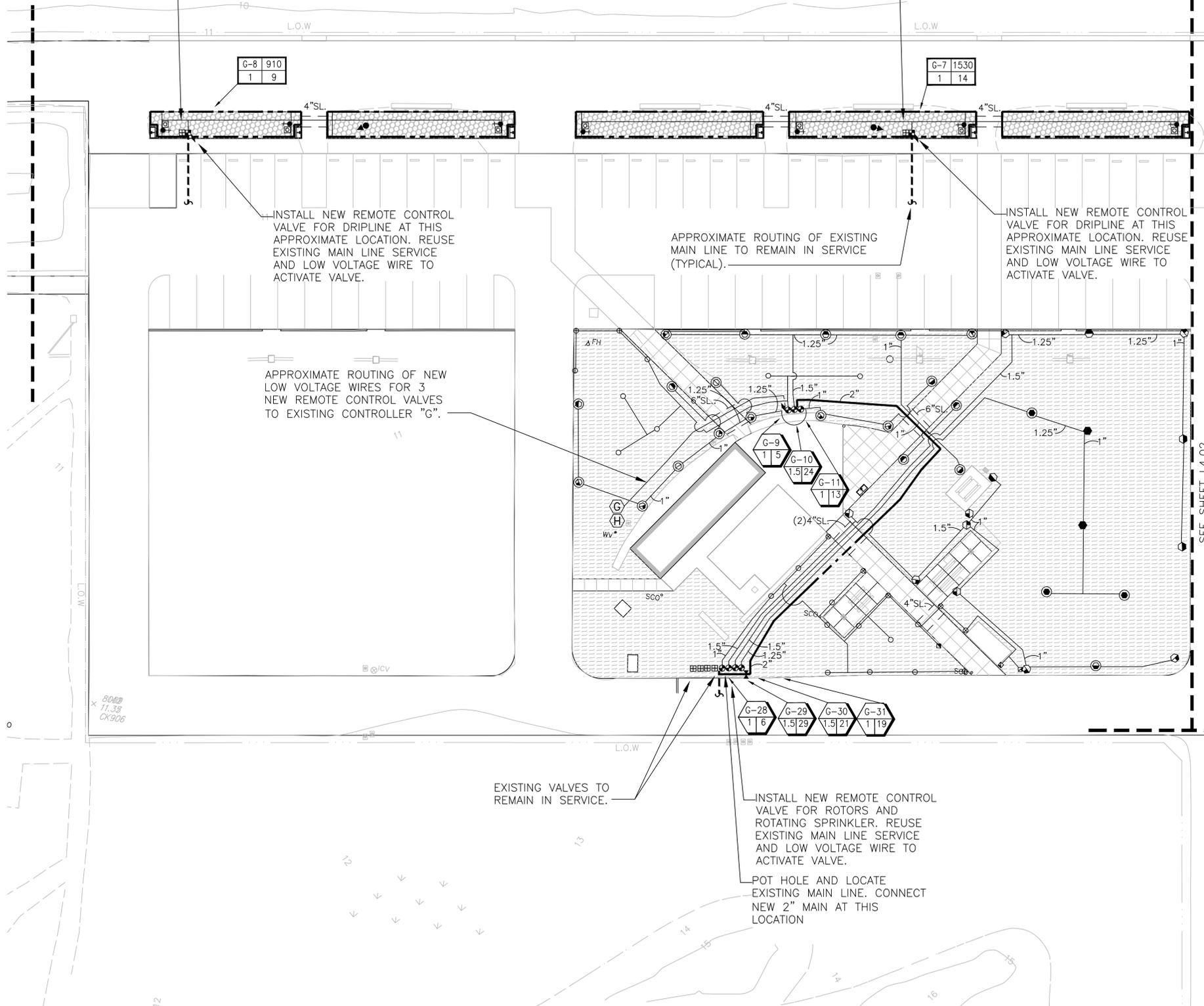
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.75"	0-500 FT
1"	501-1100 FT
1.25"	1101-2000 FT
1.5"	2001-3000 FT



SEE SHEET L4.02



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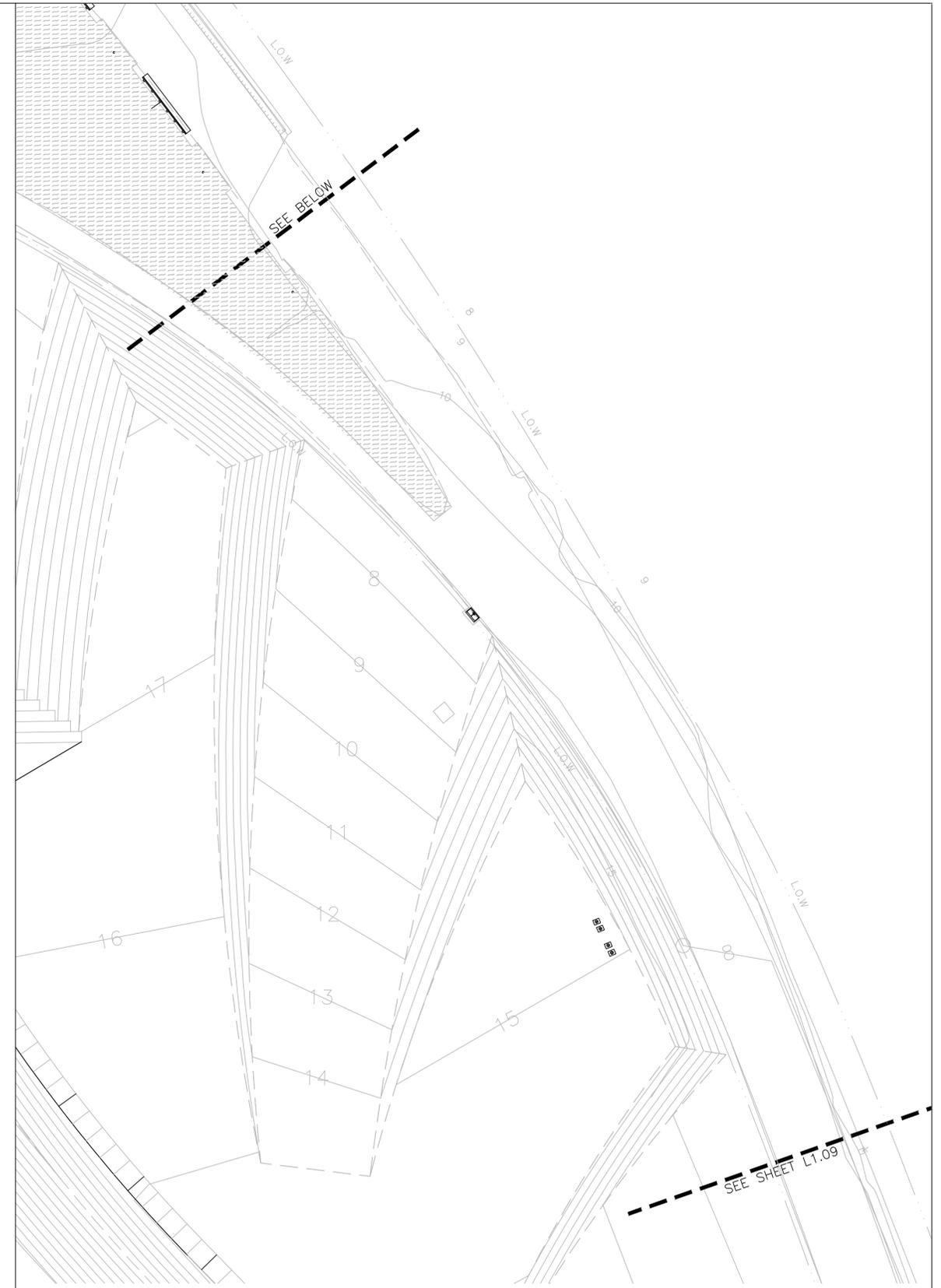
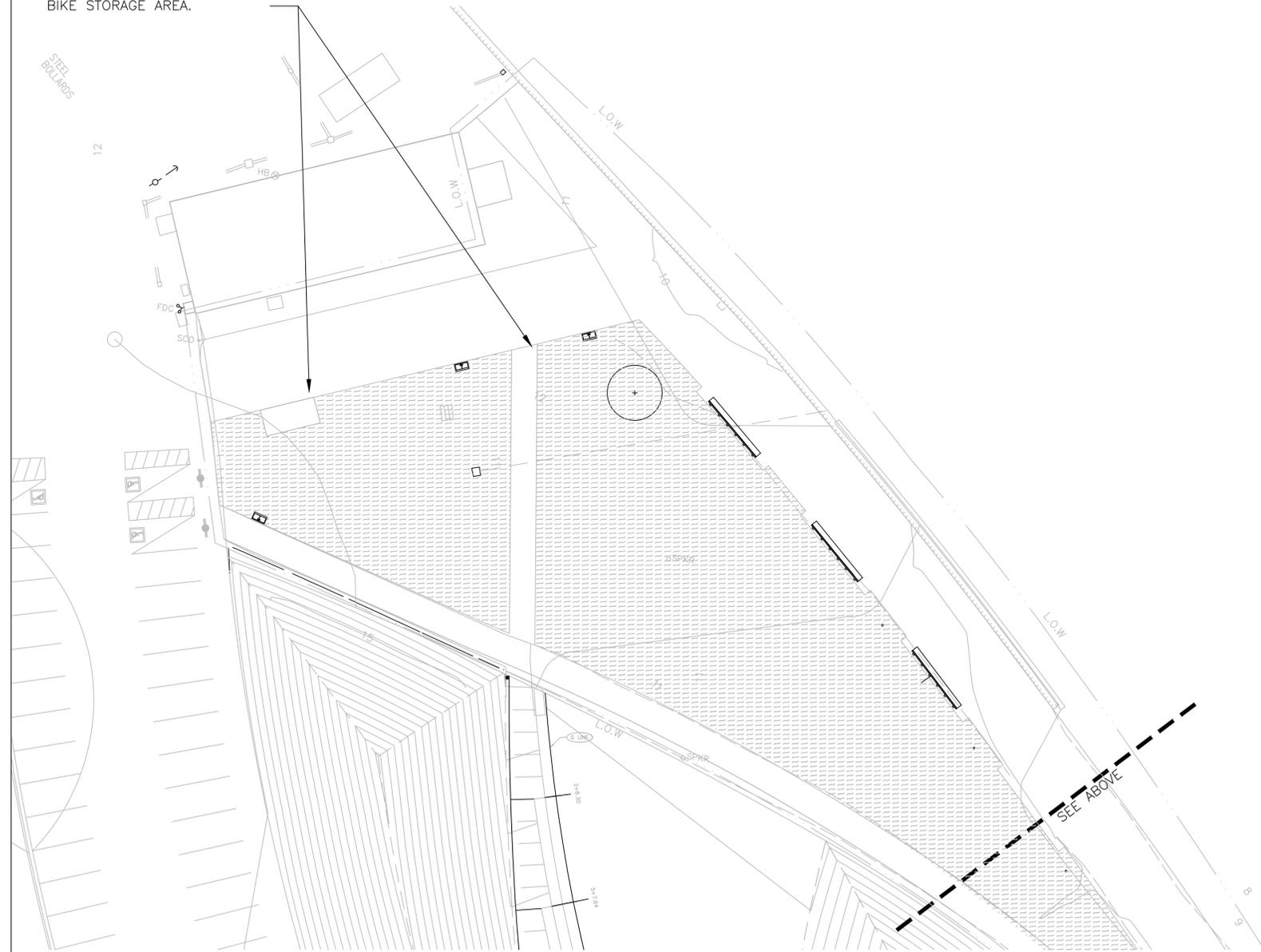
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CRISSY FIELD: PROMENADE RESURFACING  
AND EAST BEACH PARKING RECONFIGURATION  
GOLDEN GATE NATIONAL RECREATION AREA  
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DRAWING NO.  
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REPAIR AND ADJUST EXISTING IRRIGATION IF DAMAGE DURING CONSTRUCTION OF PATH AND BIKE STORAGE AREA.



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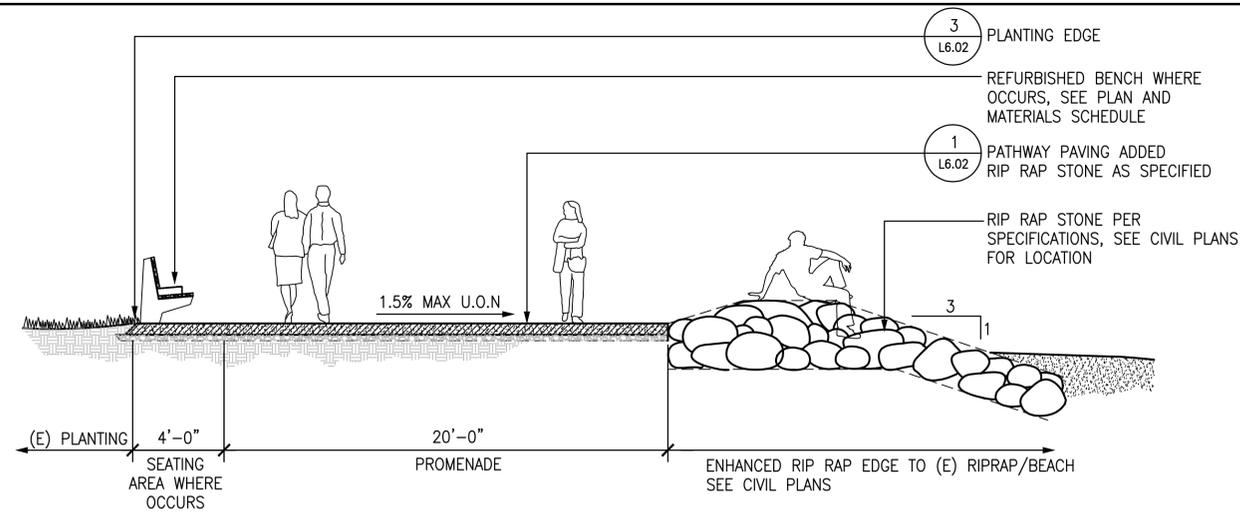
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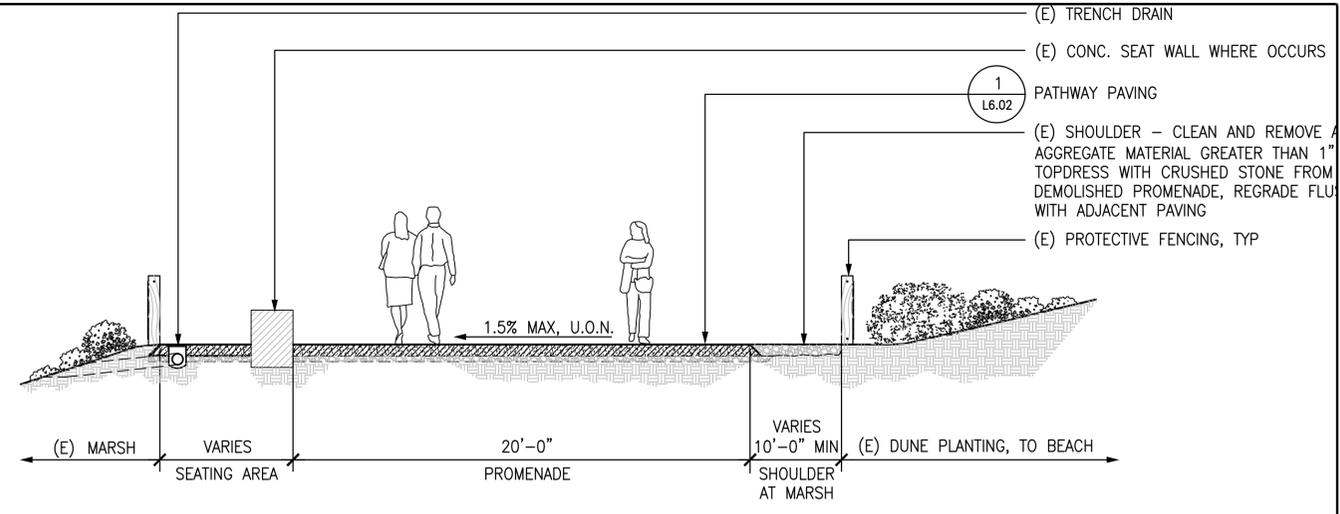
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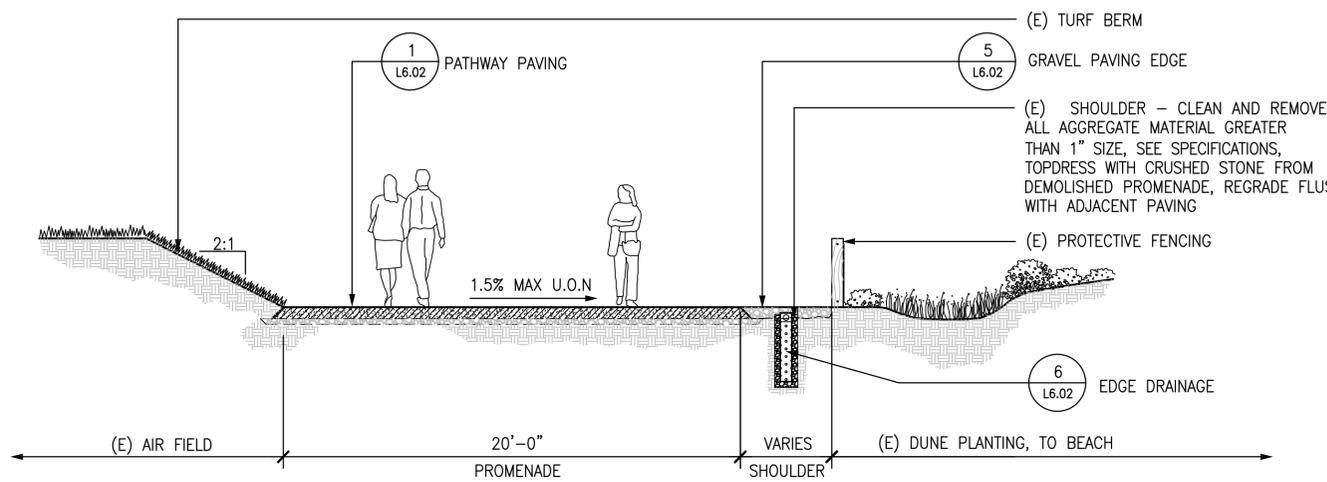
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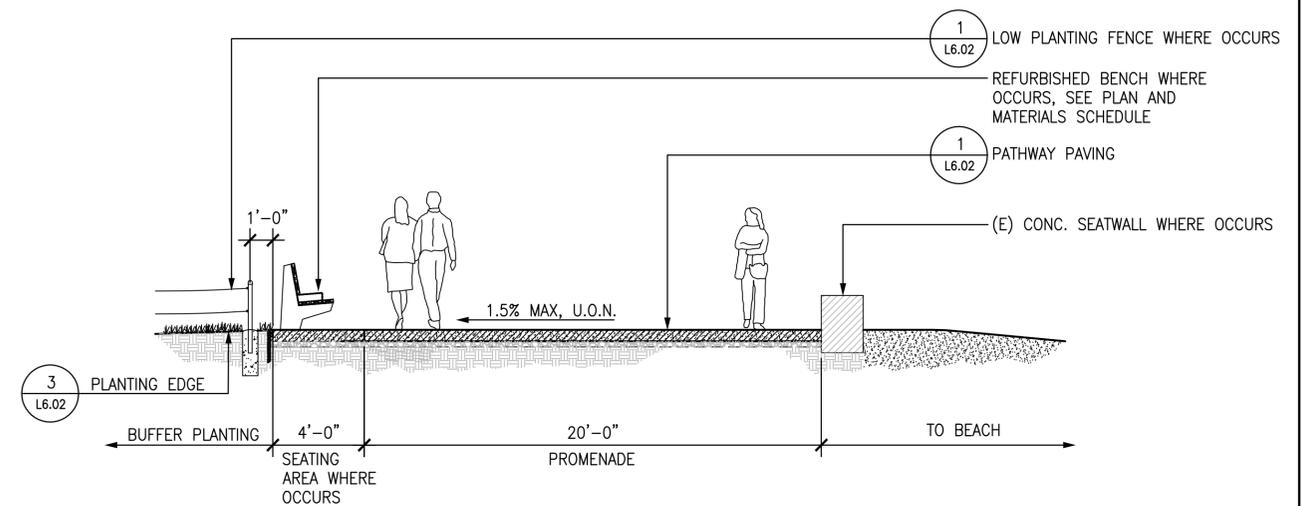
6 PROMENADE AT WEST BLUFF SCALE: 1/4"=1'-0"



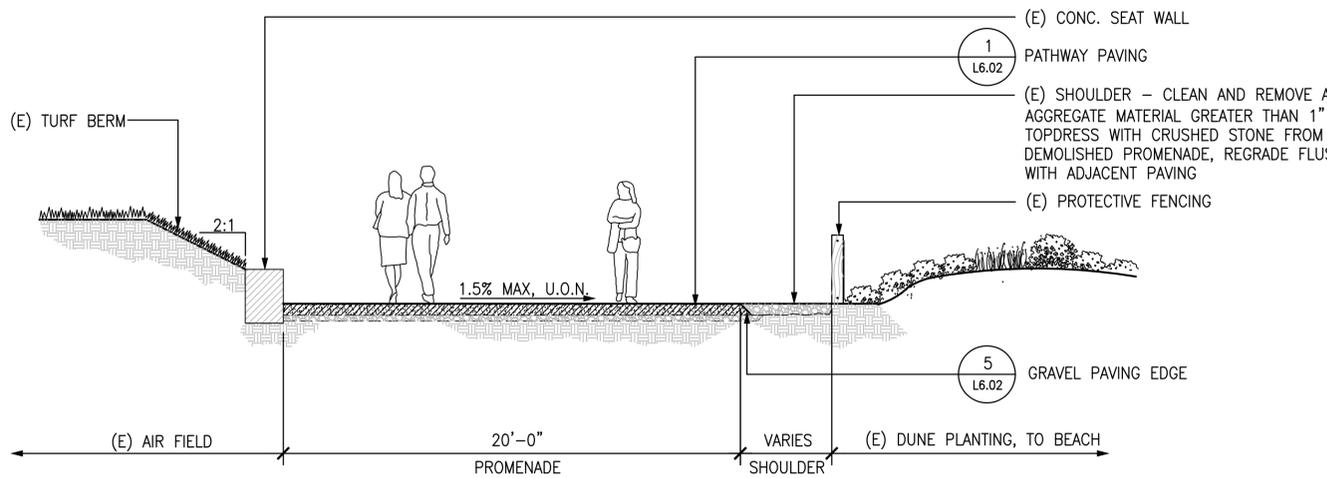
3 PROMENADE AT MARSH SCALE: 1/4"=1'-0"



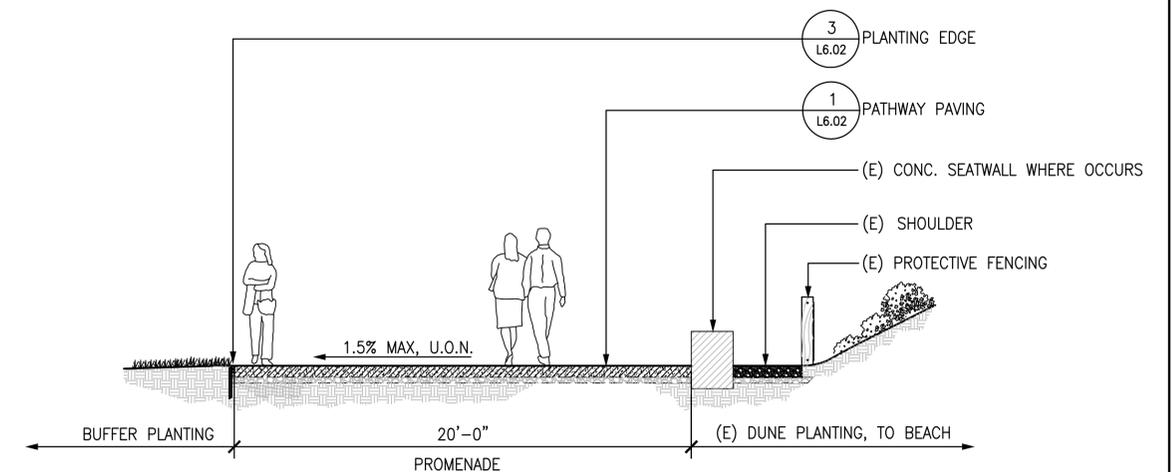
5 PROMENADE AT AIRFIELD SCALE: 1/4"=1'-0"



2 PROMENADE AT EAST BEACH SCALE: 1/4"=1'-0"



4 PROMENADE AT AIRFIELD SEATWALL SCALE: 1/4"=1'-0"

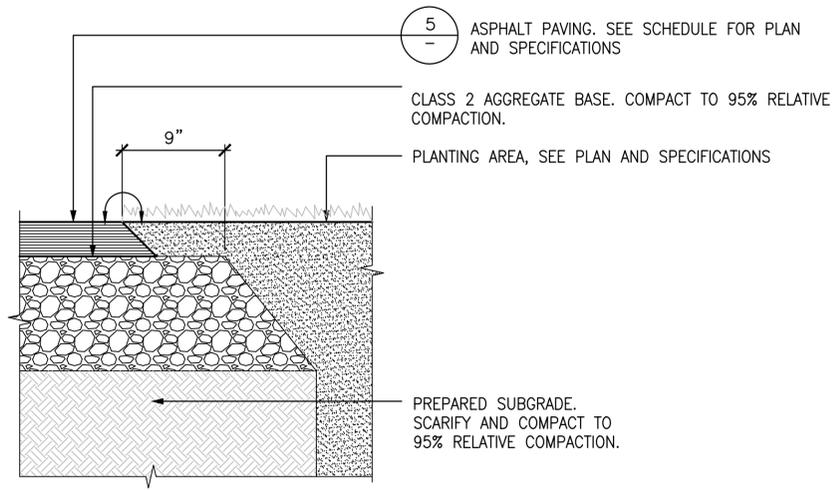


1 PROMENADE AT EAST BEACH DUNE SCALE: 1/4"=1'-0"



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 TELEPHONE: 415/495-3070  
 FACSIMILE: 415/495-3080

DESIGNED: CMG HN/JH/RG	SUB SHEET NO.	TITLE OF SHEET <b>SECTIONS - PROMENADE</b> CRISSY FIELD: PROMENADE RESURFACING AND EAST BEACH PARKING RECONFIGURATION GOLDEN GATE NATIONAL RECREATION AREA THE PRESIDIO OF SAN FRANCISCO	DRAWING NO. L5.01
TECH. REVIEW: KC/GB/CR			PMIS/PKG NO. 221770
DATE: 05.20.2016			SHEET OF



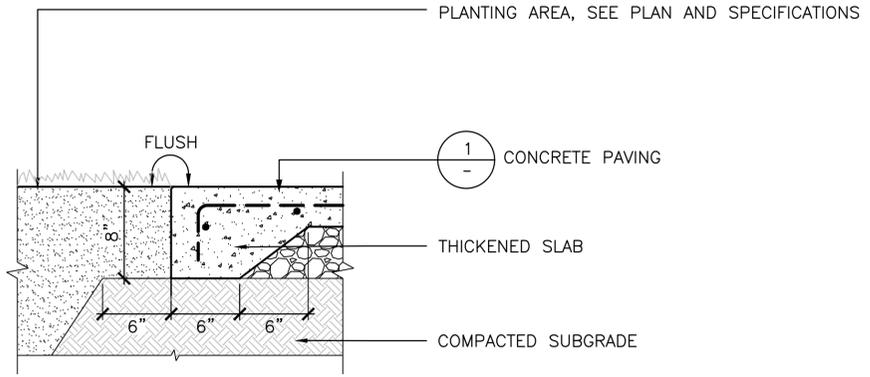
5 - ASPHALT PAVING. SEE SCHEDULE FOR PLAN AND SPECIFICATIONS

CLASS 2 AGGREGATE BASE. COMPACT TO 95% RELATIVE COMPACTION.

PLANTING AREA, SEE PLAN AND SPECIFICATIONS

9"

PREPARED SUBGRADE. SCARIFY AND COMPACT TO 95% RELATIVE COMPACTION.



PLANTING AREA, SEE PLAN AND SPECIFICATIONS

FLUSH

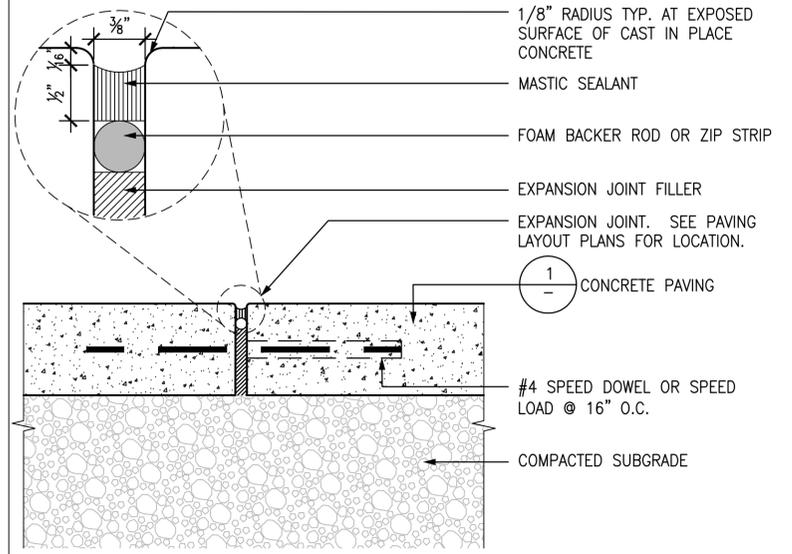
8"

6" 6" 6"

1 - CONCRETE PAVING

THICKENED SLAB

COMPACTED SUBGRADE



1/8" RADIUS TYP. AT EXPOSED SURFACE OF CAST IN PLACE CONCRETE

MASTIC SEALANT

FOAM BACKER ROD OR ZIP STRIP

EXPANSION JOINT FILLER

EXPANSION JOINT. SEE PAVING LAYOUT PLANS FOR LOCATION.

1 - CONCRETE PAVING

#4 SPEED DOWEL OR SPEED LOAD @ 16" O.C.

COMPACTED SUBGRADE

6 ASPHALT PAVING AT PLANTING AREA EDGE

SCALE: 1 1/2"=1'-0"

4 CONCRETE PAVING AT PLANTING AREA EDGE

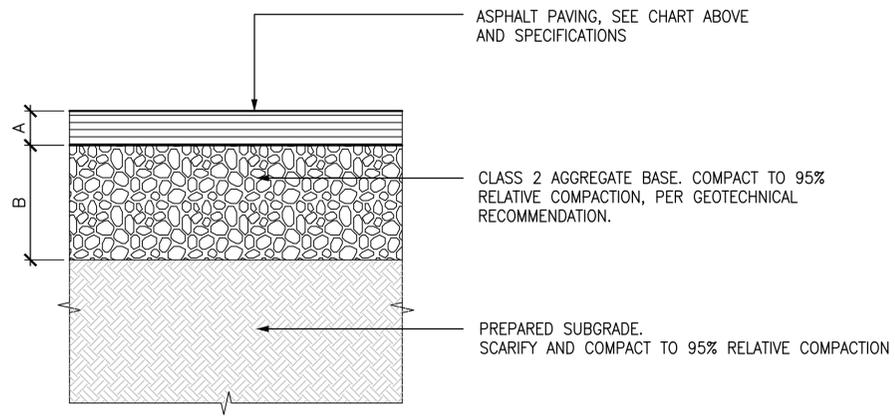
SCALE: 1 1/2"=1'-0"

2 EXPANSION JOINT

SCALE: 3"=1'-0"

PAVING CHART

APPLICATION	A-ASPHALT THICKNESS	B-AGGREGATE BASE THICKNESS
VEHICULAR	3"	10"
PEDESTRIAN	2"	6"



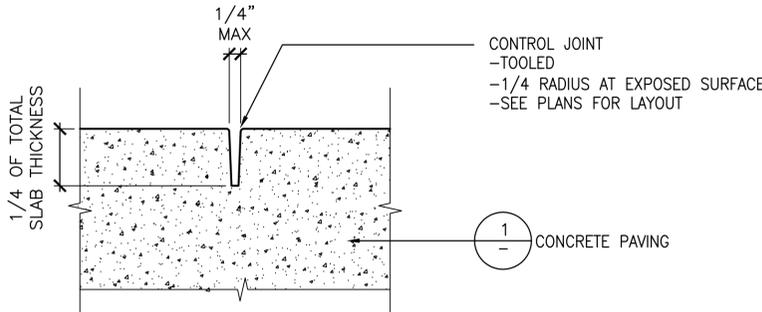
ASPHALT PAVING, SEE CHART ABOVE AND SPECIFICATIONS

A

B

CLASS 2 AGGREGATE BASE. COMPACT TO 95% RELATIVE COMPACTION, PER GEOTECHNICAL RECOMMENDATION.

PREPARED SUBGRADE. SCARIFY AND COMPACT TO 95% RELATIVE COMPACTION



CONTROL JOINT  
-TOOLED  
-1/4 RADIUS AT EXPOSED SURFACE  
-SEE PLANS FOR LAYOUT

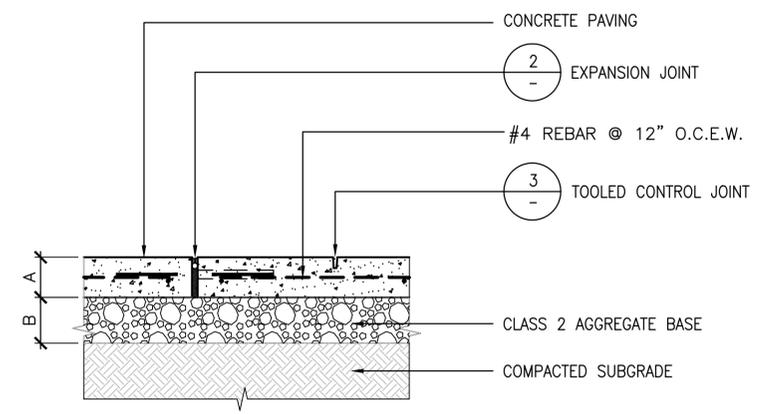
1/4" MAX

1/4 OF TOTAL SLAB THICKNESS

1 - CONCRETE PAVING

PAVING CHART

APPLICATION	A-ASPHALT THICKNESS	B-AGGREGATE BASE THICKNESS
VEHICULAR	6"	10"
PEDESTRIAN	4"	6"



NOTES:  
1. 1/8" RADIUS AT ALL EXPOSED EDGES OF CONCRETE

CONCRETE PAVING

2 - EXPANSION JOINT

#4 REBAR @ 12" O.C.E.W.

3 - TOOLED CONTROL JOINT

A

B

CLASS 2 AGGREGATE BASE

COMPACTED SUBGRADE

5 ASPHALT PAVING, TYP.

SCALE: 1 1/2"=1'-0"

3 CONTROL JOINT

SCALE: 3"=1'-0"

1 CONCRETE PAVING

SCALE: 1 1/2"=1'-0"



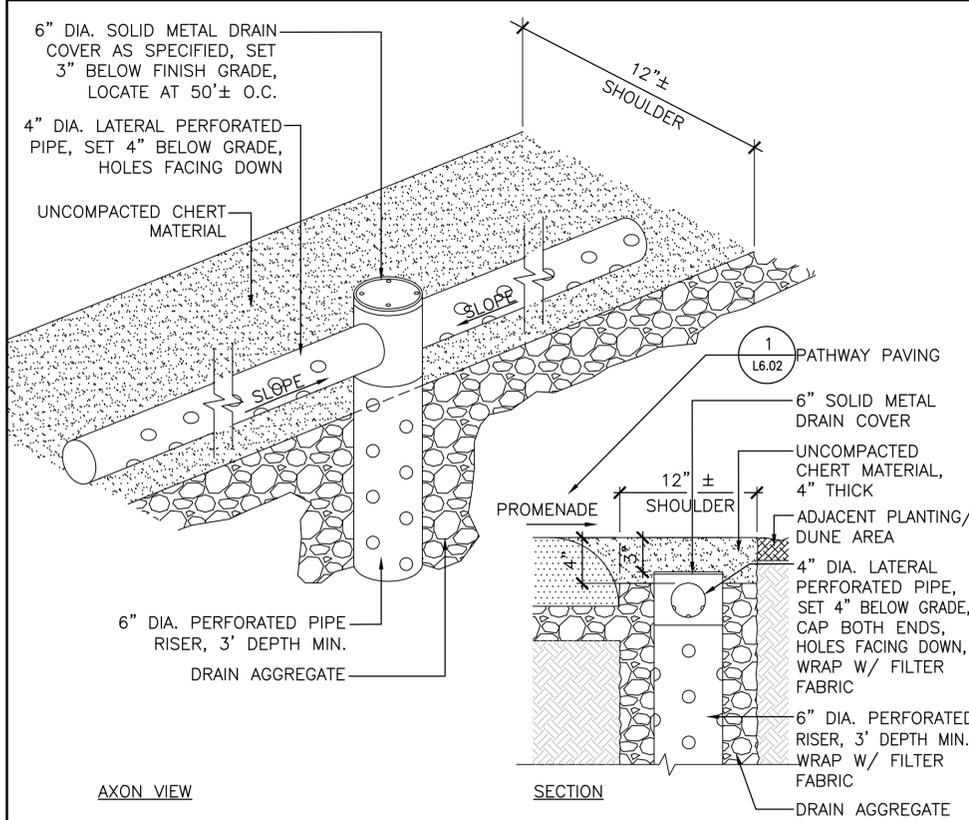
**CMG**  
CONGER MOSS GUILLARD  
500 THIRD STREET SUITE 215  
SAN FRANCISCO, CA 94107  
TELEPHONE: 415/495-3070  
FACSIMILE: 415/495-3080

DESIGNED:  
CMG  
HN/JH/RG  
TECH. REVIEW:  
KC/GB/CR  
DATE:  
05.20.2016

SUB SHEET NO.

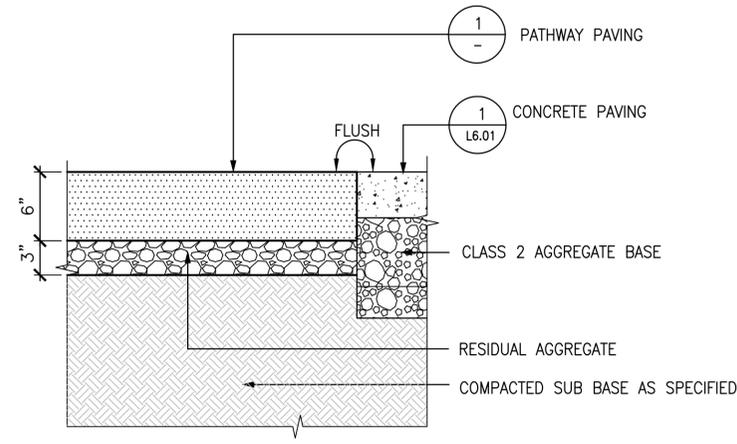
TITLE OF SHEET  
**DETAILS - PAVING**  
CRISSY FIELD: PROMENADE RESURFACING  
AND EAST BEACH PARKING RECONFIGURATION  
GOLDEN GATE NATIONAL RECREATION AREA  
THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L6.01**  
PMIS/PKG NO.  
221770  
SHEET  
**XX** OF **XX**



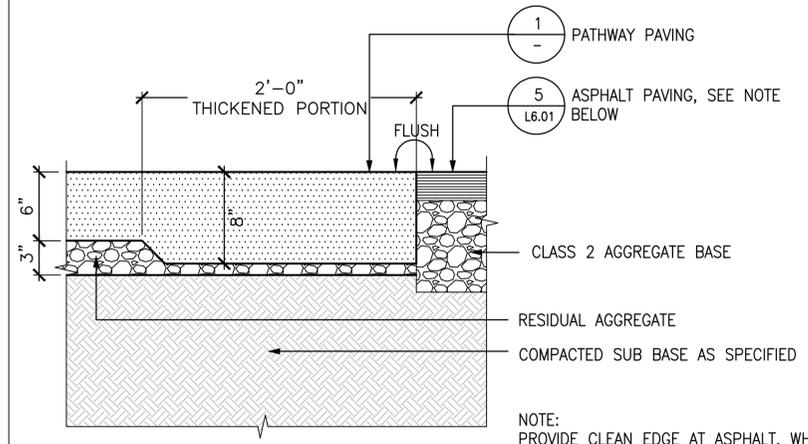
6 EDGE DRAINAGE AT PROMENADE - AIR FIELD

SCALE: NTS



4 PATHWAY PAVING AT CONCRETE EDGE

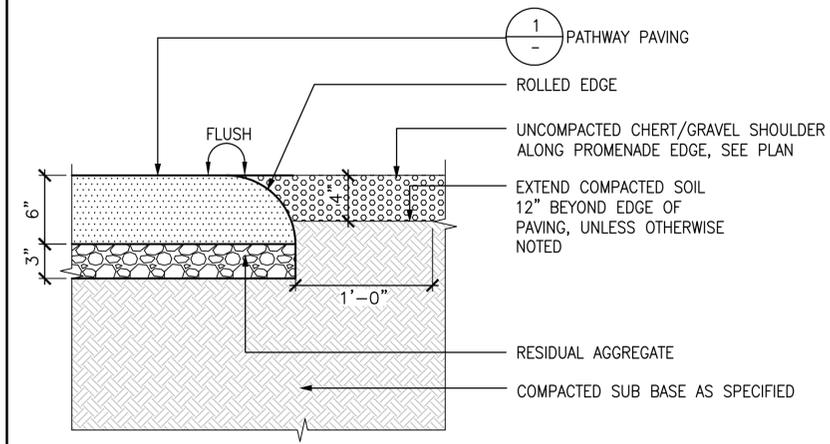
SCALE: 1 1/2"=1'-0"



2 PATHWAY PAVING AT ASPHALT EDGE

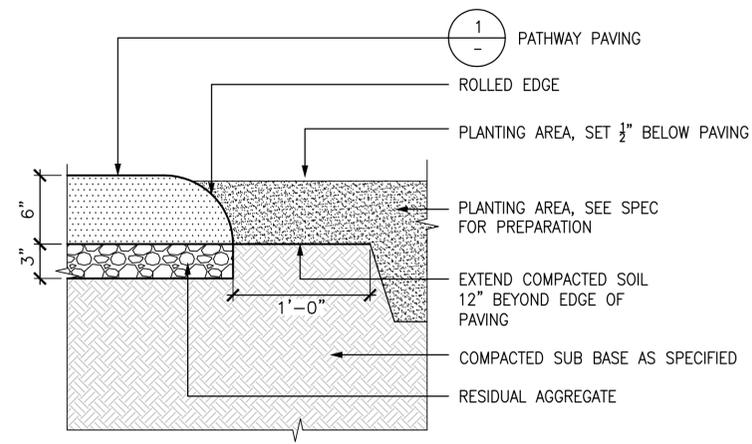
SCALE: 1 1/2"=1'-0"

NOTE: PROVIDE CLEAN EDGE AT ASPHALT, WHETHER SAWCUTTING (E) ASPHALT OR FORMING EDGE OF (N) ASPHALT PRIOR TO INSTALLATION OF STABILIZED CHERT PAVING



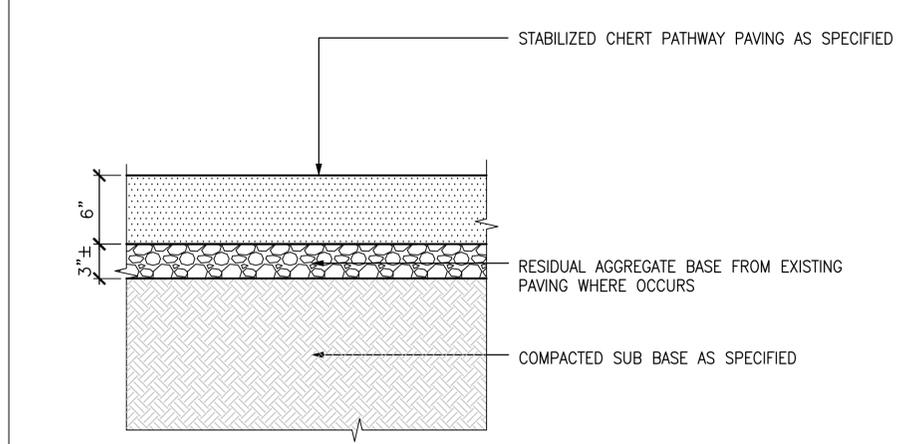
5 PATHWAY PAVING AT GRAVEL SHOULDER EDGE

SCALE: 1 1/2"=1'-0"



3 PATHWAY PAVING AT PLANTING EDGE

SCALE: 1 1/2"=1'-0"



1 PATHWAY PAVING, TYP.

SCALE: 1 1/2"=1'-0"



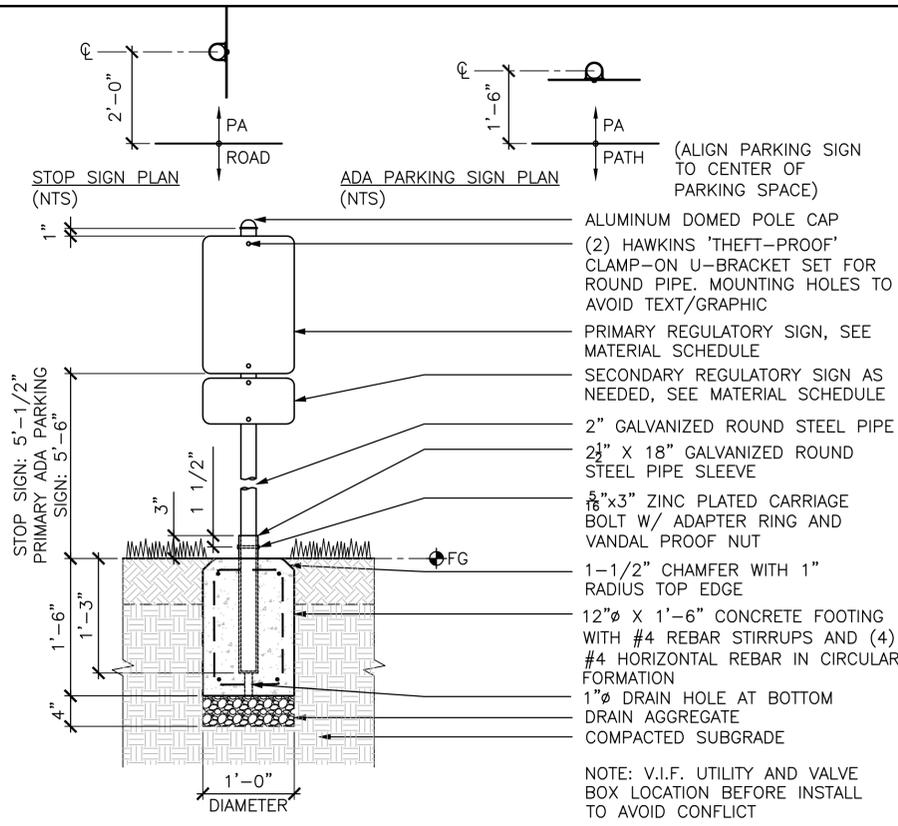
**CMG**  
**CONGER MOSS GUILLARD**  
 500 THIRD STREET SUITE 215  
 SAN FRANCISCO, CA 94107  
 TELEPHONE: 415/495-3070  
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DESIGNED: CMG  
 HN/JH/RG  
 TECH. REVIEW: KC/GB/CR  
 DATE: 05.20.2016

SUB SHEET NO.

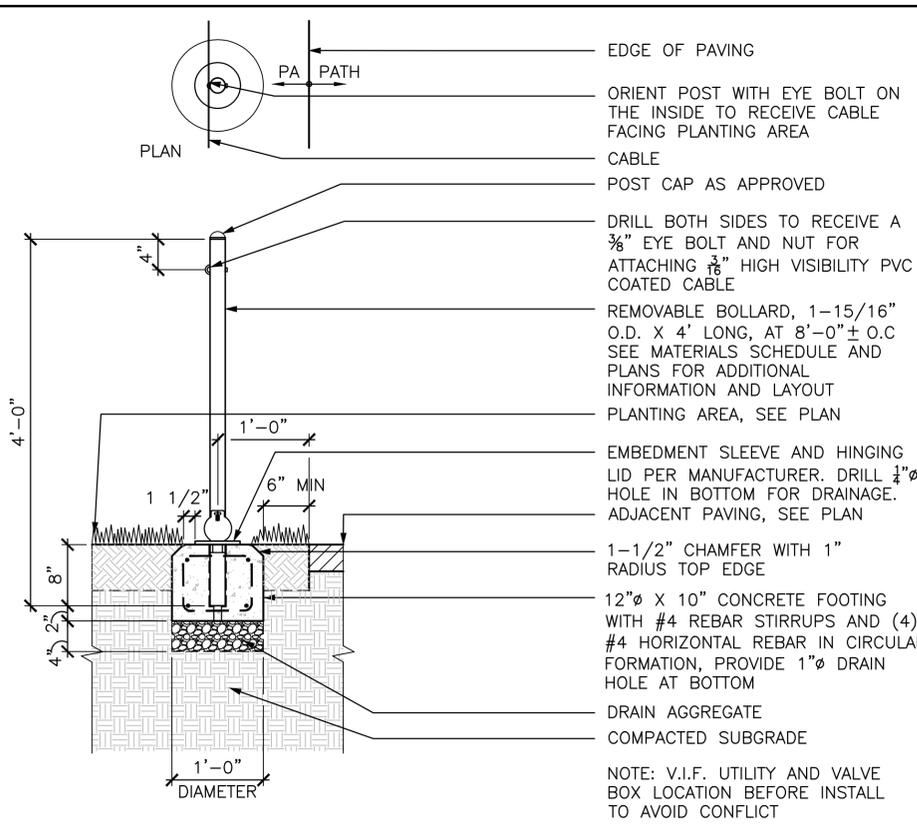
TITLE OF SHEET  
**DETAILS - PAVING**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L6.02**  
 PMIS/PKG NO.  
 221770  
 SHEET  
**XX** OF **XX**



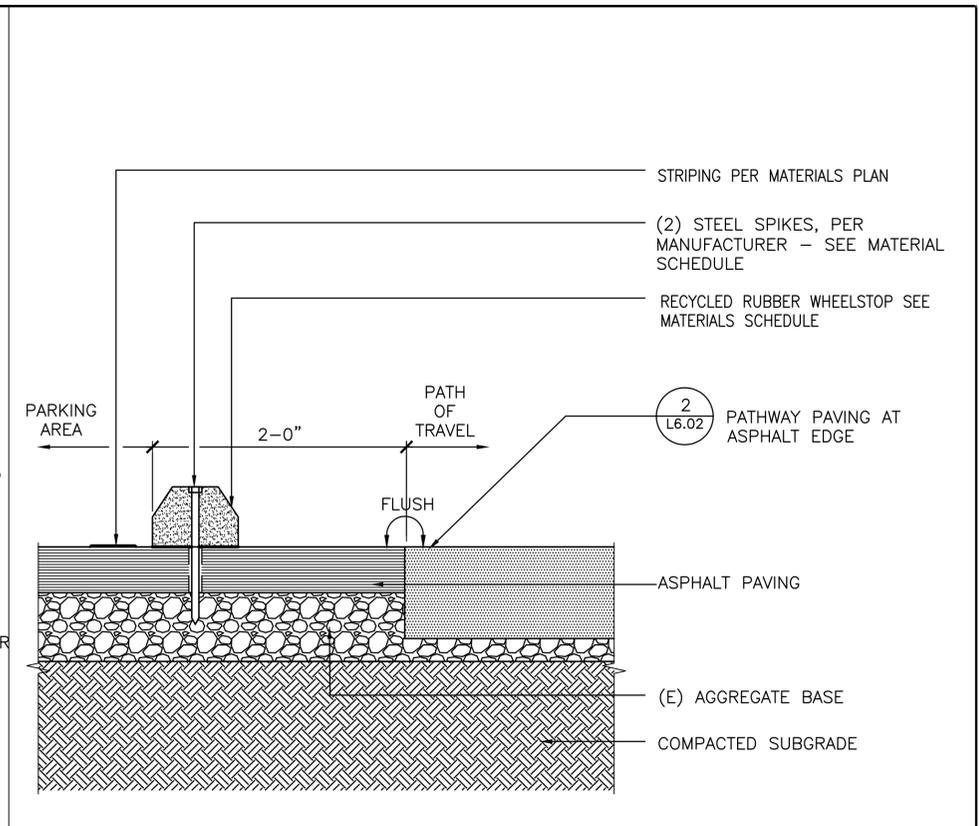
6 REGULATORY SIGN

SCALE: 1"=1'-0"



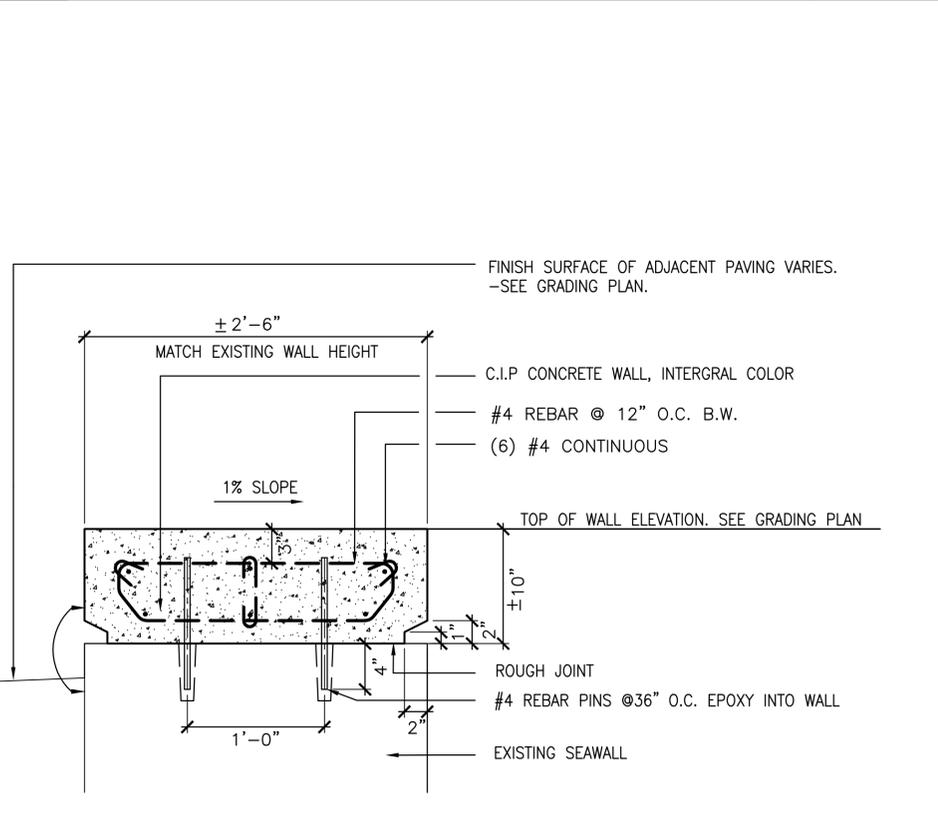
4 TEMPORARY FENCE

SCALE: 1"=1'-0"



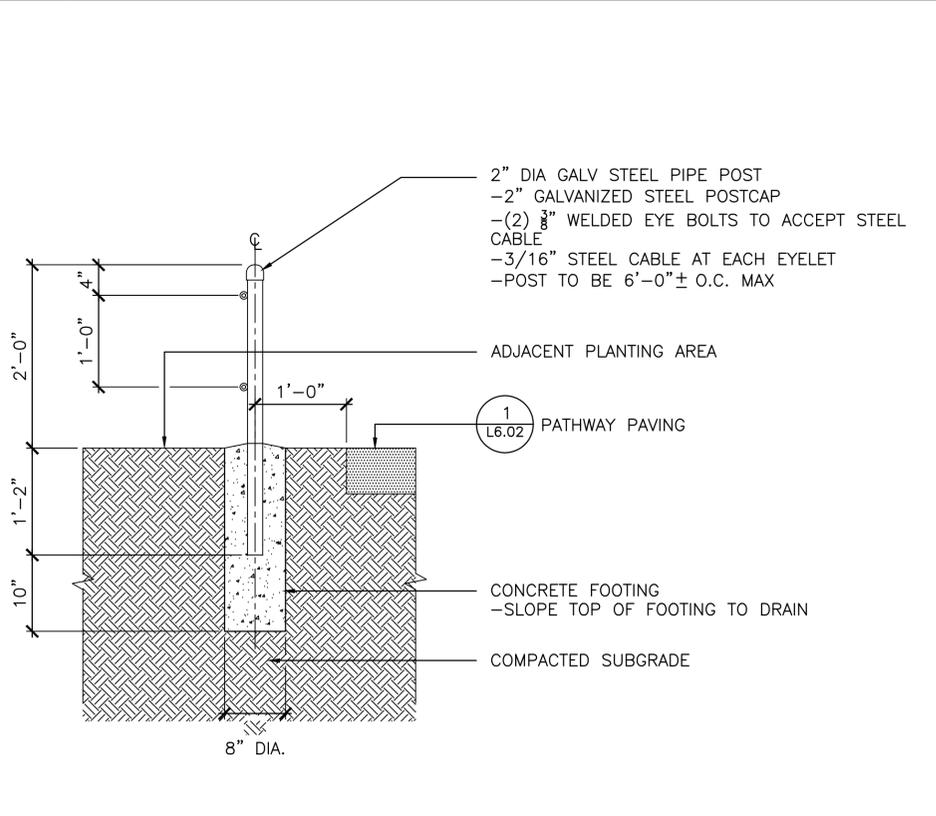
2 RECYCLED RUBBER WHEELSTOP

SCALE: 1 1/2"=1'-0"



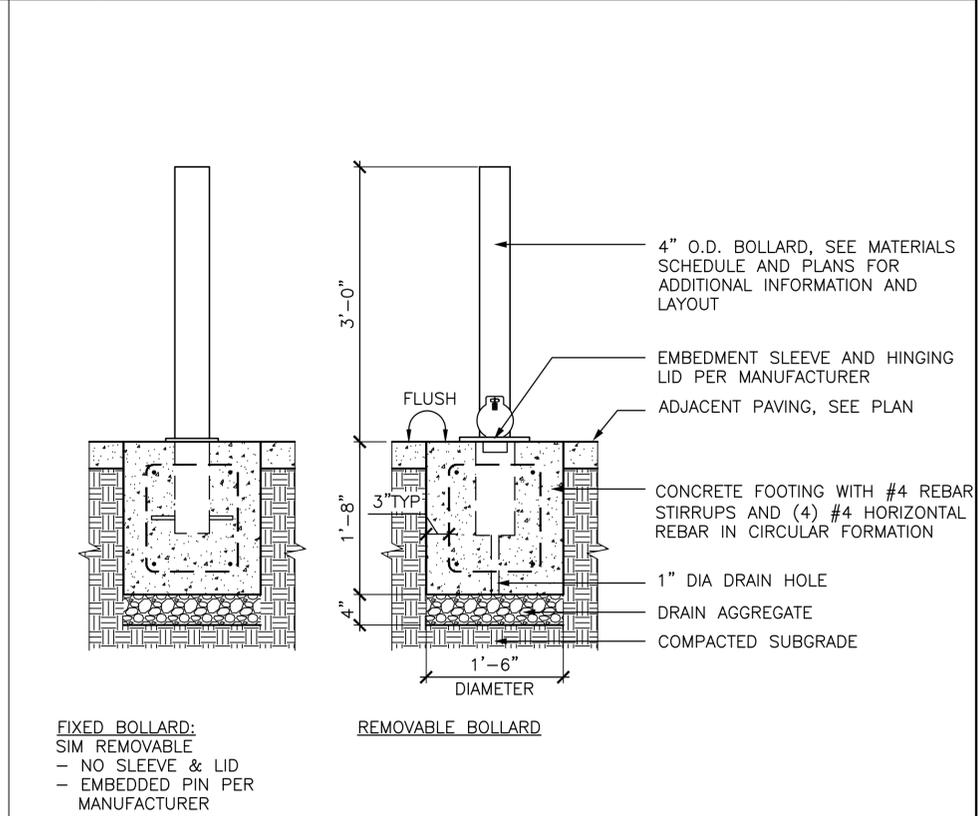
5 SEAWALL CAP

SCALE: 1 1/2"=1'-0"



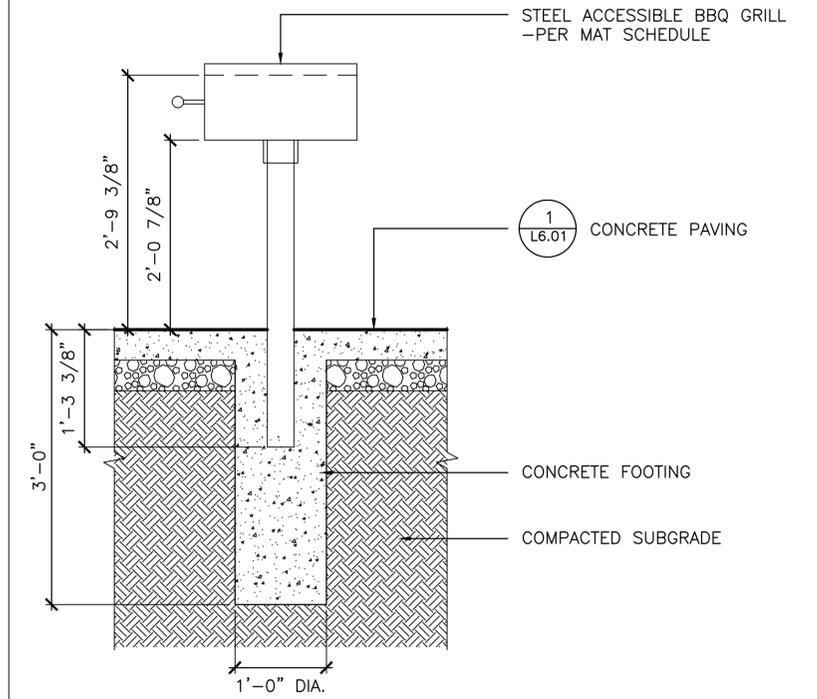
3 LOW PLANTING FENCE

SCALE: 1"=1'-0"



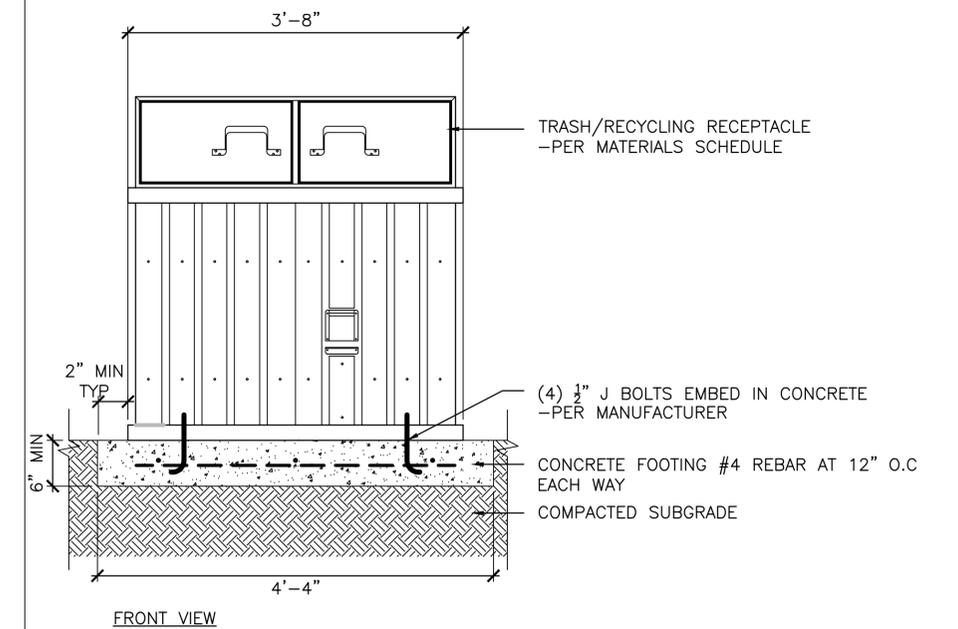
1 STEEL BOLLARD

SCALE: 1"=1'-0"



2 BBQ GRILL

SCALE: 1"=1'-0"



1 RECYCLE AND TRASH RECEPTACLE

SCALE: 1"=1'-0"



**CMG**  
**CONGER MOSS GULLARD**  
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 TELEPHONE: 415/495-3070  
 FACSIMILE: 415/495-3080

DESIGNED:  
 CMG  
 HAN/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.

TITLE OF SHEET  
**DETAILS**  
 - SITE FURNITURE  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

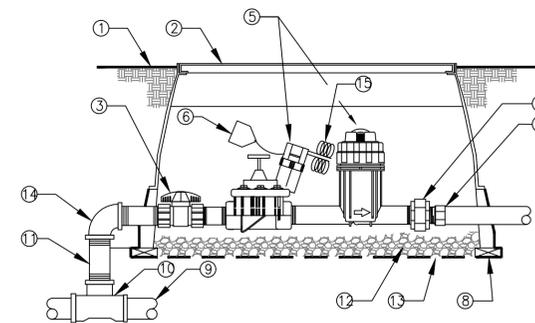
DRAWING NO.  
**L6.11**

PMIS/PKG NO.  
 221770

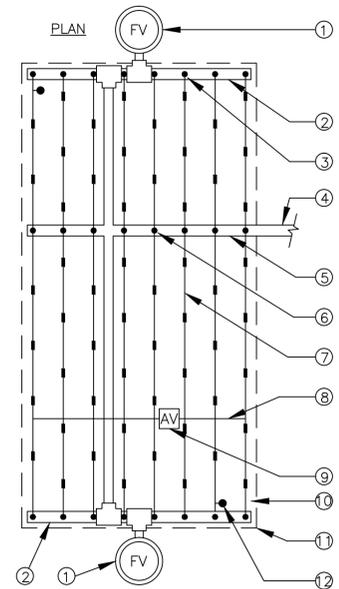
SHEET

**XX** OF **XX**



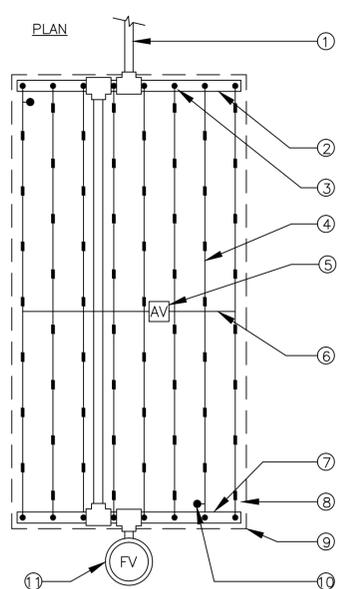


- 1 FINISH GRADE.
- 2 RECTANGULAR PLASTIC VALVE BOX WITH BOLT DOWN LID. ONE VALVE PER BOX - NO EXCEPTIONS. INSTALL BOX AS SHOWN IN BOX INSTALLATION DETAIL.
- 3 SCHEDULE 80 PVC UNION BALL VALVE (ONE PER VALVE).
- 4 SCHEDULE 80 PVC THREADED UNION.
- 5 REMOTE CONTROL VALVE DRIP ZONE KIT. (SHALL INCLUDE VALVE, FILTER AND A 40 PSI PRESSURE REDUCING VALVE)
- 6 VALVE I.D. TAG (CONTROLLER AND STATION NUMBER).
- 7 SCHEDULE 40 MALE ADAPTER
- 8 BRICK-1 EACH CORNER.
- 9 PVC MAIN LINE.
- 10 UPC APPROVED SCHEDULE 40 PVC TEE.
- 11 SCHEDULE 80 PVC NIPPLE-(4-TOTAL) LENGTH AS REQUIRED.
- 12 PEA GRAVEL OR 3/4" [20mm] DRAIN ROCK - 4" [102mm] DEEP BELOW VALVE (NO SOIL IN VALVE BOX).
- 13 19 GAUGE 1/2" [13mm] SQUARE WIRE MESH.
- 14 SCHEDULE 80 PVC 90° ELBOW (TxT).
- 15 VALVE CONTROL WIRE- PROVIDE 3M-DBY SEAL PACKS AT ALL SPLICES AND 3' [1m] OF EXCESS UF WIRE IN A 1" [25mm] DIAMETER COIL.



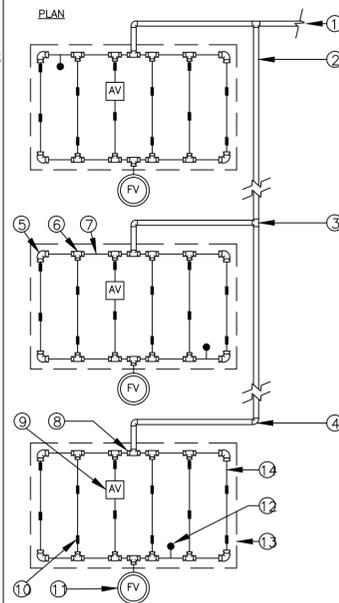
- NOTE:
1. THE TOTAL LENGTH OF A SINGLE DRIP LINE RUN SHALL NOT EXCEED 250 FT.
  2. INSTALL DRIPLINE 2-4" BELOW GRADE AND STAKE DOWN EVERY 4' OR AS REQUIRED.

- 1 AUTOMATIC FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT
- 2 PVC FLUSH MANIFOLD. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED.
- 3 MANIFOLD-TO-ELBOW CONNECTION (TYP).
- 4 PVC LATERAL LINE FROM VALVE. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED.
- 5 PVC SUPPLY MANIFOLD.
- 6 MANIFOLD-TO-TEE CONNECTION.
- 7 DRIPLINE LATERAL.
- 8 AIR/VACUUM RELIEF LATERAL, BLANK POLY TUBING CENTERED ON MOUND OR BERM.
- 9 AIR/VACUUM RELIEF PLUMBED TO BLANK POLY TUBING AT EACH HIGH POINT.
- 10 PERIMETER LATERALS 2" [50mm] TO 4" [100mm] FROM EDGE.
- 11 AREA PERIMETER.
- 12 DRIPLINE OPERATION INDICATOR LOCATED AT THE ENDS OF EACH DRIPLINE ZONE.



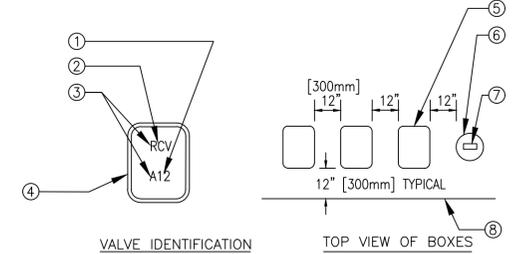
- NOTE:
1. THE TOTAL LENGTH OF A SINGLE DRIP LINE RUN SHALL NOT EXCEED 250 FT.
  2. INSTALL DRIPLINE 2-4" BELOW GRADE AND STAKE DOWN EVERY 4' OR AS REQUIRED.

- 1 PVC LATERAL LINE FROM VALVE. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED.
- 2 PVC FLUSH MANIFOLD. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED.
- 3 MANIFOLD-TO-ELBOW CONNECTION (TYP).
- 4 DRIPLINE LATERAL.
- 5 AIR/VACUUM RELIEF VALVE PLUMBED TO BLANK 5/8" [16mm] TUBING AT EACH HIGH POINT.
- 6 AIR/VACUUM RELIEF LATERAL, BLANK 5/8" [16mm] POLY TUBING CENTERED ON MOUND OR BERM.
- 7 PVC FLUSH MANIFOLD.
- 8 PERIMETER LATERALS 2" [50mm] TO 4" [100mm] FROM EDGE.
- 9 AREA PERIMETER.
- 10 DRIP OPERATION INDICATOR LOCATED AT THE ENDS OF EACH DRIPLINE ZONES.
- 11 AUTOMATIC FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT.



- NOTE:
1. THE TOTAL LENGTH OF A SINGLE DRIP LINE RUN SHALL NOT EXCEED 250 FT.
  2. INSTALL DRIPLINE 2-4" BELOW GRADE AND STAKE DOWN EVERY 4' OR AS REQUIRED.

- 1 PVC LATERAL LINE FROM VALVE. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED.
- 2 PVC FLUSH MANIFOLD. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED.
- 3 PVC TEE (SxSxS).
- 4 PVC ELL (SxS).
- 5 TORO LOC-EZE ELL (FEE16).
- 6 TORO LOC-EZE TEE (FTT16).
- 7 BLANK 5/8" [16mm] POLY TUBING AT SUPPLY AND FLUSH END OF EACH ISLAND.
- 8 TORO LOC-EZE TEE X 1/2" [13mm] SLIP ADAPTER (FTV16).
- 9 AIR/VACUUM RELIEF VALVE PLUMBED TO TUBING AT HIGH POINT.
- 10 DRIPLINE LATERAL.
- 11 MANUAL FLUSH VALVE PLUMBED TO TUBING AT LOW POINT.
- 12 DRIPLINE OPERATION INDICATOR LOCATED AT THE ENDS OF EACH DRIPLINE ZONE.
- 13 ISLAND PERIMETER.
- 14 PERIMETER LATERALS 2" [50mm] TO 4" [100mm] FROM EDGE.



- 1 CONTROLLER AND STATION
- 2 VALVE TYPE
- 3 HEAT BRAND LETTERS AND NUMBERS INTO LID.
- 4 VALVE BOX COVER
- 5 RECTANGULAR VALVE BOX
- 6 ROUND VALVE BOX FOR QCV AND GATE VALVE.
- 7 HEAT BRAND LETTERS AND NUMBERS INTO LID (TYPICAL).
- 8 EDGE OF LAWN, WALK, FENCE, CURB, ETC.

- INSTRUCTIONS:
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
  2. SET BOXES 1" [25mm] ABOVE FINISH GRADE OR MULCH COVER IN GROUND COVER/SHRUB AREA AND FLUSH WITH FINISH GRADE IN TURF AREA.
  3. SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO LAWN.
  4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF LAWN, WALK, FENCE, CURB, ETC.
  5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
  6. INSTALL EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE ASSEMBLY FOR EASY ACCESS.

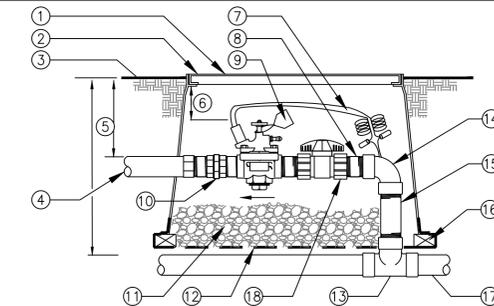
1 REMOTE CONTROL VALVE (DRIPZONE)  
SCALE: NONE  
DET: RCV-FILTER1

2 TORO DL 2000 CENTER FEED LAYOUT  
SCALE: NONE

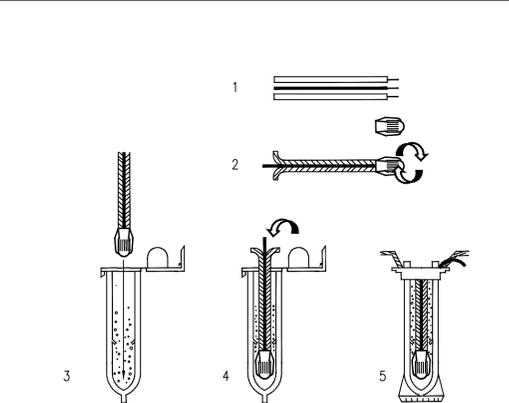
3 TORO DL 2000 END FEED LAYOUT  
SCALE: NONE

4 TORO DL 2000 ISLAND LAYOUT  
SCALE: NONE

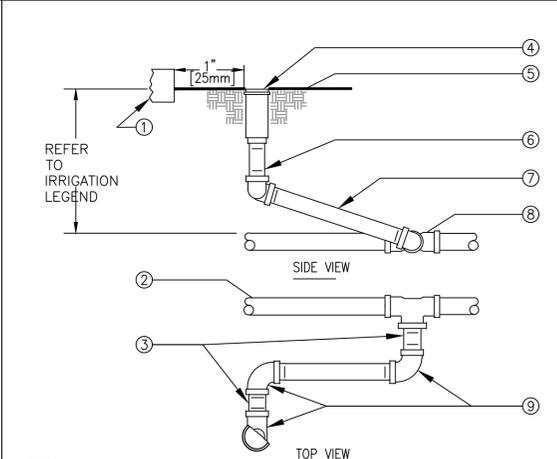
5 VALVE BOX INSTALLATION  
SCALE: NONE  
DET: VALVE-B1



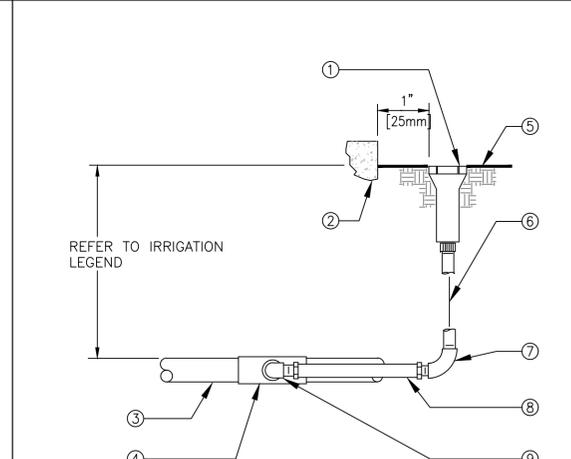
- 1 REMOTE CONTROL VALVE WITH FLOW CONTROL AND MANUAL BLEED (PRESSURE REGULATOR WHERE SHOWN ON PLANS). USE A 14" X 19" RECTANGULAR PLASTIC VALVE BOX WITH BOLT DOWN LID FOR 1" VALVES. FOR 1.5" AND LARGER VALVES INSTALL BALL VALVE WITHIN A SEPARATE 10" ROUND BOX OR ONE BALL VALVE PER MANIFOLD OF VALVES. GATE VALVE SIZE SHALL BE SAME AS LARGEST VALVE WITHIN MANIFOLD. ONE VALVE PER BOX- NO EXCEPTIONS. INSTALL BOX AS SHOWN IN BOX INSTALLATION DETAIL.
- 2 FINISH GRADE.
- 3 PVC LATERAL LINE.
- 4 REFER TO IRRIGATION SPECS.
- 5 3" [75mm] MIN, 6" [150mm] MAX.
- 6 VALVE CONTROL WIRE- PROVIDE SEAL PACKS AT ALL SPLICES AND 3' [1m] OF EXCESS UF WIRE IN A 1" [25mm] DIAMETER COIL.
- 7 SCHEDULE 80 PVC NIPPLE (4 TOTAL).
- 8 VALVE I.D. TAG (CONTROLLER AND STATION NUMBER).
- 9 SCHEDULE 80 PVC THREADED UNION.
- 10 PEA GRAVEL OR 3/4" DRAIN ROCK- 4" [100mm] DEEP BELOW VALVE (NO SOIL IN VALVE BOX).
- 11 19 GAUGE 1/2" [12mm] SQUARE WIRE MESH.
- 12 UPC APPROVED SCHEDULE 40 PVC TEE.
- 13 SCHEDULE 80 PVC 90° ELBOW (TxT).
- 14 SCHEDULE 80 PVC NIPPLE- LENGTH AS REQUIRED.
- 15 BRICK-1 EACH CORNER.
- 16 PVC MAIN LINE.
- 17 SCHEDULE 80 PVC UNION BALL VALVE (ONE PER VALVE).



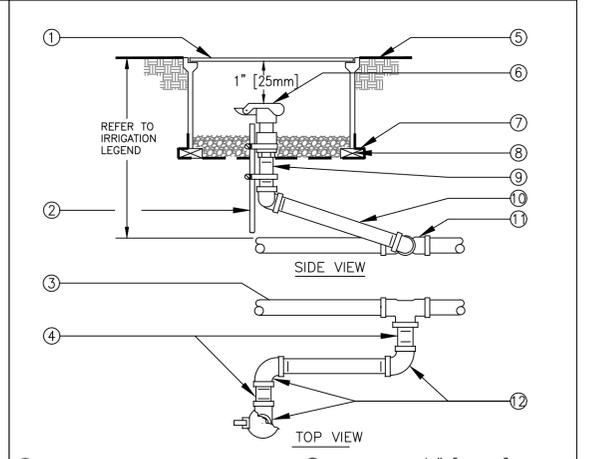
- INSTRUCTIONS:
1. STRIP WIRES APPROXIMATELY 1/2" (13 mm) TO EXPOSE WIRE.
  2. TWIST CONNECTOR AROUND WIRES CLOCKWISE UNTIL HAND TIGHT, DO NOT OVERTIGHTEN.
  3. INSERT WIRE ASSEMBLY INTO PLASTIC TUBE UNTIL WIRE CONNECTOR SNAPS PAST LIP IN BOTTOM OF TUBE.
  4. PLACE WIRES WHICH EXIT TUBE IN WIRE EXIT HOLES AND CLOSE CAP UNTIL IT SNAPS.
  5. INSPECT FINAL SPLICE ASSEMBLY TO BE SECURE AND FINISHED.



- NOTES:
1. SET SPRINKLER 1" [25mm] ABOVE FINISH GRADE AT TIME OF INSTALLATION - LOWER TO FINISH GRADE WHEN TURF IS WELL ESTABLISHED.
  2. NIPPLES AND FITTINGS TO BE SAME IPT SIZE AS ROTARY SPRINKLER IPT INLET THREAD SIZE.
- 1 WALL, WALK, CURB OR HEADER
  - 2 PVC LATERAL LINE
  - 3 3" [75mm] LONG SCHEDULE 80 PVC THREADED NIPPLE
  - 4 POP-UP ROTARY SPRINKLER
  - 5 FINISH GRADE
  - 6 SCHEDULE 80 PVC THREADED NIPPLE (LENGTH AS REQUIRED)
  - 7 10" [250mm] LONG SCHEDULE 80 PVC THREADED NIPPLE
  - 8 UPC APPROVED SCHEDULE 40 PVC TEE OR ELBOW
  - 9 SCHEDULE 80 PVC THREADED 90° ELL



- 1 POP-UP LAWN SPRAY SPRINKLER.
- 2 WALL, WALK, CURB OR BUILDING.
- 3 PVC LATERAL LINE.
- 4 UPC APPROVED SCHEDULE 40 PVC TEE OR ELBOW.
- 5 FINISH GRADE.
- 6 1/2" [13mm] SCHEDULE 80 PVC THREADED NIPPLE (LENGTH AS REQUIRED - TYPICAL).
- 7 1/2" [13mm] SCHEDULE 40 PVC THREADED 90° ELL.
- 8 1/2" [13mm] FLEXIBLE IPS HOSE 6" [150mm] LONG WITH MALE ADAPTERS OR 1/2" x 6" [13mm x 150mm] FLEXIBLE SWING JOINT WITH A MINIMUM PRESSURE RATING OF 100 PSI [690kPa]
- 9 1/2" [13mm] SCHEDULE 40 PVC STREET ELL.



- 1 10" ROUND PLASTIC VALVE BOX WITH BOLT DOWN LID.
  - 2 1 1/4" x 1 1/4" x 3/16" [30mm x 30mm x 5mm] ANGLE IRON 30°
  - 3 760mm LONG W/2 STAINLESS STEEL STRAPS (ONE AROUND QCV).
  - 4 3" [75mm] LONG SCHEDULE 80 PVC THREADED NIPPLE.
  - 5 FINISH GRADE.
  - 6 QUICK COUPLING VALVE.
  - 7 19 GAUGE 1/2" [13mm] SQUARE WIRE MESH.
  - 8 BRICK - 2 TOTAL.
  - 9 SCHEDULE 80 PVC THREADED NIPPLE.
  - 10 10" [250mm] LONG SCHEDULE 80 PVC THREADED NIPPLE.
  - 11 UPC APPROVED SCHEDULE 40 PVC TEE OR ELBOW.
  - 12 SCHEDULE 80 PVC THREADED 90° ELL.
- NOTE:  
NIPPLES AND FITTINGS TO BE SAME SIZE AS VALVE IPT INLET THREAD SIZE.

6 REMOTE CONTROL VALVE  
SCALE: NONE  
DET: RCV-UN-BV

7 WEATHERPROOF WIRE SPLICE ASSEMBLY  
SCALE: NONE  
DET: WIRE-SPL

8 POP-UP ROTARY SPRINKLER - TURF  
SCALE: NONE  
DET: LAROTARY

9 POP-UP SPRAY SPRINKLER - TURF  
SCALE: NONE  
DET: LW-POPSP

10 QUICK COUPLING VALVE  
SCALE: NONE  
DET: QUICK-C2

Irrigation Consultant:  
**Russell D. Mitchell Associates, Inc.**  
2760 Camino Diablo  
Walnut Creek, CA 94597  
tel 925.939.3985 \$ fax 925.932.5671  
www.rmairrigation.com

**CMG**  
CONGER MOSS GUILLARD  
500 THIRD STREET SUITE 215  
SAN FRANCISCO, CA 94107  
TELEPHONE: 415/495-3070  
FACSIMILE: 415/495-3080

DESIGNED:  
CMG  
EADP  
HN/JH/RG  
TECH. REVIEW:  
KC/GB/CR  
DATE:  
05.20.2016

SUB SHEET NO.

TITLE OF SHEET  
IRRIGATION DETAILS

CRISSY FIELD: PROMENADE RESURFACING  
AND EAST BEACH PARKING RECONFIGURATION  
GOLDEN GATE NATIONAL RECREATION AREA  
THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
L6.21  
PMS/PKG NO.  
221770  
SHEET  
OF

WATER CALCULATIONS

CRISSY FIELD - HYDROZONE CHART

- 5-19-116
- 1. Hydrozone Table
- 2. Maximum Applied Water Use
- 3. Estimated Total Water Use

1. HYDROZONE CALCULATION TABLE  
ETO= 35.1

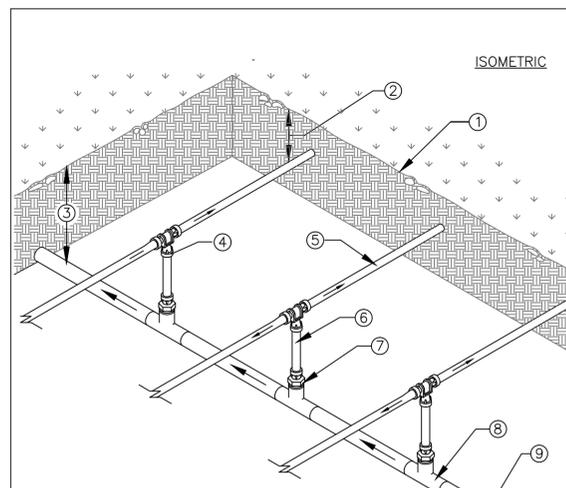
HYDROZONE	WATER USE TYPE	PLANT FACTOR (PF)	IRRIGATION METHOD	EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA (SQ. FT)	ETAF x AREA	ETWU	PERCENTAGE OF LANDSCAPE
<b>Regular Landscape Areas</b>									
SHURBS GROUNDCOVER	LOW	0.2	DRIP	0.81	0.25	5529	1365	29709	62%
LAWN	HIGH	0.7	SPRAY	0.75	0.93	3436	3207	69789	38%
						<b>Totals</b>	8965	4572	
<b>Special Landscape Areas</b>									
LAWN					1	3436	3436		38%
					1		0		0%
					1		0		0%
						<b>Totals</b>	3436	3436	<b>38%</b>
								<b>ETWU Total</b>	99,498
								<b>Maximum Allowed Water Allowance (MAWA)</b>	140,951

2. Maximum Applied Water Allowance (MAWA) Gallons Per Year  
MAWA = (ETo)(0.62)[(LA \* 0.45) + (0.55 \* SLA)]

ETo = Reference evapotranspiration  
0.45 = ET adjustment factor (Non residential, 0.55 residential)  
LA = Landscaped Area (square feet)  
0.62 = Conversion factor (gallons per square foot per year)

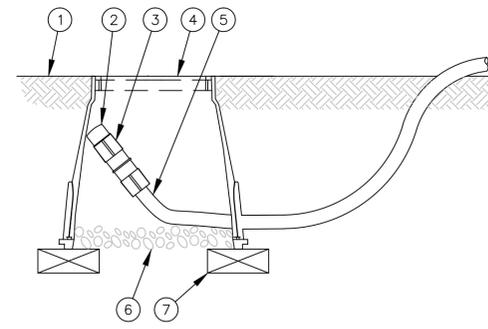
3. ESTIMATED TOTAL WATER USE (ETWU) Gallons per year  
ETWU = ((ETO)(.62))[(ETAF(LA/IE))]

ETo = Reference evapotranspiration  
PF = Plant factor for hydrozones  
HA = Hydrozone area (square feet)  
0.62 = Conversion factor (gallons per square foot per year)  
IE = Irrigation efficiency (0.81) bubbler/drip  
IE = Irrigation efficiency (0.75) spray



- ① FINISH GRADE.
- ② DEPTH OF TUBING PER IRRIGATION LEGEND.
- ③ DEPTH OF PVC LATERAL LINE PER IRRIGATION LEGEND
- ④ TORO LOC-EZE TEE (FTT16).
- ⑤ DRIPLINE TUBING.
- ⑥ BLANK 5/8" [16mm] POLY TUBING, LENGTH AS NECESSARY.
- ⑦ TORO LOC-EZE X 1/2" MTP ADAPTER (FAM16).
- ⑧ PVC TEE (SxSxT) WITH 1/2" [13mm] FPT OUTLET.
- ⑨ PVC LATERAL LINE FROM REMOTE CONTROL VALVE.

NOTE:  
THE TOTAL LENGTH OF A SINGLE DRIP LINE RUN SHALL NOT EXCEED 250 FT.

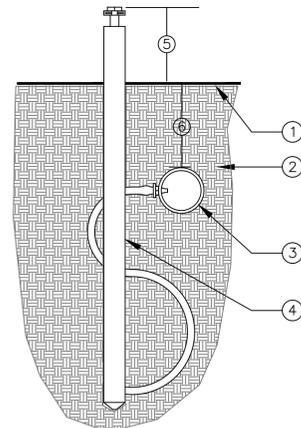


NOTE:  
ALLOW A MINIMUM OF 6-INCHES OF DRIPLINE TUBING IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

- ① FINISH GRADE
- ② FLUSH CAP
- ③ TORO LOC-EZE MHT WITH CAP (T-FJJ16)
- ④ 6" ROUND PLASTIC VALVE BOX.
- ⑤ SUB-SURFACE DRIPLINE:
- ⑥ PEA GRAVEL SUMP (6" DEEP).
- ⑦ BRICK (1 OF 2)

1 TORO DL 2000 CENTER FEED MANIFOLD  
SCALE: NONE

2 DRIPLINE-FLUSH POINT  
SCALE: NONE  
DET: -----



SECTION/ELEVATION

- ① FINISH GRADE.
- ② SOIL BACKFILL.
- ③ DRIPLINE.
- ④ OPERATION INDICATOR. USE ONE PER ZONE AND LOCATED AT FLUSH END OF ZONE.
- ⑤ 2"-3" [50mm - 75mm] ABOVE FINISH GRADE.
- ⑥ REFER TO IRRIGATION LEGEND.

3 TORO DL 2000 OPERATION INDICATOR  
SCALE: NONE

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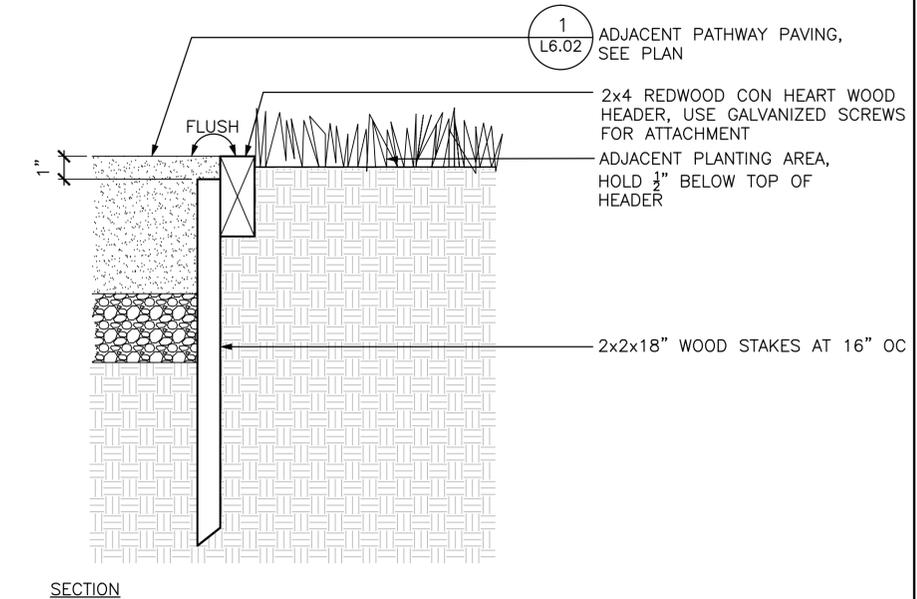
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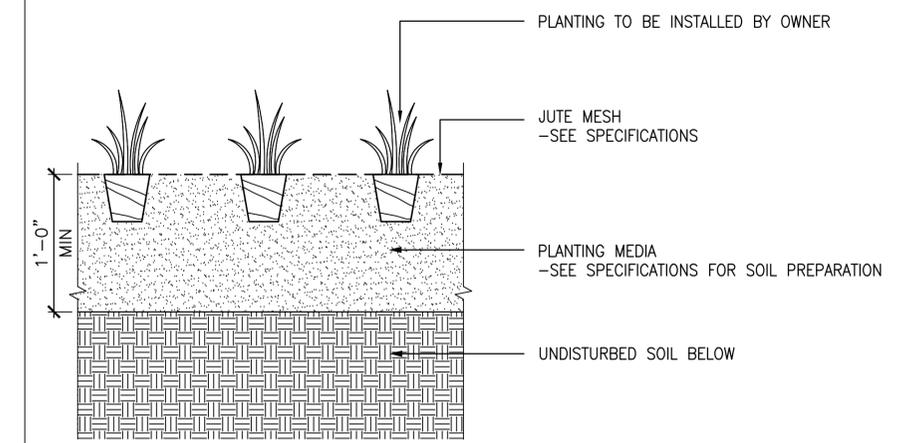
SUB SHEET NO.

TITLE OF SHEET  
**IRRIGATION DETAILS**  
CRISSY FIELD: PROMENADE RESURFACING  
AND EAST BEACH PARKING RECONFIGURATION  
GOLDEN GATE NATIONAL RECREATION AREA  
THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
L6.22  
PMIS/PKG NO.  
221770  
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OF



2 REDWOOD HEADER SCALE: 1"=1'-0"



1 SHRUB/GROUNDCOVER PLANTING SCALE: 1 1/2"=1'-0"



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 TELEPHONE: 415/495-3070  
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DESIGNED:  
 CMG  
 HN/JH/RG  
 TECH. REVIEW:  
 KC/GB/CR  
 DATE:  
 05.20.2016

SUB SHEET NO.

TITLE OF SHEET  
**DETAILS — PLANTING**  
 CRISSY FIELD: PROMENADE RESURFACING  
 AND EAST BEACH PARKING RECONFIGURATION  
 GOLDEN GATE NATIONAL RECREATION AREA  
 THE PRESIDIO OF SAN FRANCISCO

DRAWING NO.  
**L6.31**  
 PMIS/PKG NO.  
 221770  
 SHEET  
 OF



National Park Service  
U.S. Department of the Interior

Golden Gate National Recreation Area  
Date: 5/26/2016

## ATTACHMENT E

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### **Letter of NHPA Section 106 Compliance Completion and Assessment of Actions Having an Effect on Historic Properties**

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## Letter of NHPA Section 106 Compliance Completion

H4217 (GOGA-CRMM)

5/26/16

### Memorandum

**To:** Kirsten Holder, Project Manager  
**From:** General Superintendent, Golden Gate  
**Subject:** NHPA Clearance: Crissy Field Centennial Repair, Presidio (PEPC 63094)

The Cultural Assessment Team has reviewed the proposed project/action and completed its certification for compliance with the National Historic Preservation Act through our Park Programmatic Agreement. We have determined that there will be No Adverse Effect on historical, cultural, or archeological resources, provided you meet all stipulations identified below.

The subject proposed project/action(s), therefore, is/are now cleared for all NHPA compliance requirements as presented. Project plans and specifications are approved and construction and/or project implementation can commence once you have met any NEPA requirements identified through Project Review, as well as all stipulations identified below.

For the proposed project actions to be within compliance requirements during construction and/or project implementation, the following cultural resource stipulations must be adhered to:

- Project Manager will continue to work with Park Historical Landscape Architect (Amy Hoke, 561-4753) on final designs, including color and texture specs of new concrete and locations for date-stamping new concrete.

For complete compliance information see PEPC Project 63094.

If you have any questions, please contact CRM Specialist (Curator) Bob Holloway at 415-561-4976.

FOR   
Christine Lehnertz

Attachment



# ASSESSMENT OF ACTIONS HAVING AN EFFECT ON HISTORIC PROPERTIES

## A. DESCRIPTION OF UNDERTAKING

1. **Park:** Golden Gate National Recreation Area

### 2. Project Description:

**Project Name:** Crissy Field Centennial Repair, Presidio

**Prepared by:** Bob Holloway **Date Prepared:** 05/26/2016 **Telephone:** 415-561-4976

**PEPC Project Number:** 63094

#### Locations:

#### Describe project:

The Crissy Field Promenade is the major east-west trail traversing the 100-acre Crissy Field site and serves as the primary connector between the East Beach, Marsh, Airfield, and West Bluff. The Promenade provides users with views of the San Francisco Bay, Golden Gate Bridge, and the city skyline. It is a critical link along the northern waterfront of the 400+ mile regional San Francisco Bay Trail. The 1.5 mile long, twenty-foot wide trail attracts over 1.2 million visitors each year who move through the various park landscapes. The multi-use trail is used by walkers, joggers, and bicyclists traveling between the Marina and the West Bluff at Crissy Field, including a large percentage of tourists on rental bicycles traveling toward the Golden Gate Bridge. The East Beach Parking Area is the most frequently used parking area for visitors arriving by vehicle to Crissy Field. Much of the existing parking consists of informal turf spaces that are heavily used, inefficient on busy weekends, and difficult to maintain. Originally constructed in 2001, the Promenade and East Beach Parking Area are now in fair to poor condition due to over anticipated heavy use, popularity, and years of degradation.

This project will repair and replace the Promenade surface and improve and reconfigure the East Beach Parking Area, which currently provides parking for over three hundred cars. Visitor amenities such as additional seating, signage, and interpretative media will facilitate flexible group use and formalize new resting areas for all users to better experience the site. The existing parking will be reconfigured to reduce the total parking area, increase efficiency, address safety concerns, reduce high maintenance turf, and expand native planting areas. The Promenade and parking area serves the Crissy Field Center at East Beach, which serves a diverse local youth population as a dynamic hub of youth engagement that reaches approximately 20,000 young people each year.

[Scope Update 5/05/16] Project Update: The GGNRA released schematic design drawings and draft environmental compliance documents for public review on April 8, 2016, for a two-week public comment period. Public comments were read, analyzed, and the project scope has been modified in response to public input and refined cost estimates. We believe the new design encompasses the most needed actions consistent with deferred maintenance standards and meets the project budget.

Along the promenade, the refined scope incorporates additional drainage improvements and a proven soil binder that helps stabilize the trail surface, improves durability, and extends the lifespan. The end of the promenade and adjacent pathways will be clarified near the Warming Hut to improve circulation and drainage.

The proposed project scope for the East Beach Parking Area has been reduced and will include routine repairs to existing paved surfaces. Reconfiguration of the parking lot will be addressed at a separate time to allow for additional study and community involvement. Specifically, the scope of work at East Beach Parking Lot will include: 1) re-slurry and re-stripping of the existing asphalt parking area to extend the life of the existing parking, and 2) minor improvements to existing walkways at the parking lot edge and around the restroom.

Revised Project Description: The Crissy Field Centennial Project is designed to address deferred maintenance associated with the deterioration of the 1.5 mile Promenade and East Beach parking lot. Key components of the proposed project include: • Resurfacing the promenade to maintain access using a durable material. • Repairing the East Beach Parking Area and improving pedestrian circulation. • Addressing storm water runoff issues and decreasing the amount of required maintenance. Next Steps: [End of Update]

**Area of potential effects (as defined in 36 CFR 800.16[d])**

Crissy Field Promenade and East Beach Parking Area within the Presidio of San Francisco NHL District

**3. Has the area of potential effects been surveyed to identify historic properties?**

No  
 Yes

**Source or reference:** Presidio Crissy Field NR Nomination Form and SHS  
Presidio of San Francisco NR and NHL Nomination Forms, CLR and HRS

**4. Potentially Affected Resource(s):**

**Archeological Resources Notes:** Archeological resources are present within the Presidio of San Francisco NHL District but are not within the direct area of potential affect of the Promenade or East Beach Parking Lot.

**Historical Structures/Resources Notes:** Historic structures are present within the Presidio of San Francisco NHL District but are not within the direct area of potential affect of the Promenade or East Beach Parking Lot.

**Cultural Landscapes Notes:** Crissy Field Promenade and East Beach Parking Area are located within the Presidio of San Francisco NHL District

**Ethnographic Resources Affected Notes:** Ethnographic resources are present within the Presidio of San Francisco NHL District but are not within the direct area of potential affect of the Promenade or East Beach Parking Lot.

**5. The proposed action will: (check as many as apply)**

**Destroy, remove, or alter features/elements from a historic structure**  
 **Replace historic features/elements in kind**  
 **Add non-historic features/elements to a historic structure**  
 **Alter or remove features/elements of a historic setting or environment (inc. terrain)**  
 **Add non-historic features/elements (inc. visual, audible, or atmospheric) to a historic setting or cultural landscape**  
 **Disturb, destroy, or make archeological resources inaccessible**

- No Disturb, destroy, or make ethnographic resources inaccessible
- No Potentially affect presently unidentified cultural resources
- No Begin or contribute to deterioration of historic features, terrain, setting, landscape elements, or archeological or ethnographic resources
- No Involve a real property transaction (exchange, sale, or lease of land or structures)
- Other (please specify): \_\_\_\_\_

**6. Supporting Study Data:**

(Attach if feasible; if action is in a plan, EA or EIS, give name and project or page number.)

**B. REVIEWS BY CULTURAL RESOURCE SPECIALISTS**

The park 106 coordinator requested review by the park's cultural resource specialist/advisors as indicated by check-off boxes or as follows:

**[ X ] 106 Advisor**

**Name:** Bob Holloway

**Date:** 05/26/2016

**Comments:** Reviewed as Admin Review with Haller and Hoke and certified No Adverse Effect with a stipulation.

*Check if project does not involve ground disturbance [ ]*

**Assessment of Effect:**  No Potential to Cause Effect  No Historic Properties Affected  No Adverse Effect  Adverse Effect  Streamlined Review

**Recommendations for conditions or stipulations:** Project Manager will continue to work with Park Historical Landscape Architect (Amy Hoke, 561-4753) on final designs, including color and texture specs of new concrete and locations for date-stamping new concrete.

**Doc Method:** Streamlined Review (PA)

**Streamlined Activity:**

- 3. Repair/Resurfacing/Removal of Existing, Roads, Trails and Parking Areas

**[ X ] Historian**

**Name:** Stephen Haller

**Date:** 05/26/2016

**Comments:** Reviewed as Admin Review

*Check if project does not involve ground disturbance [ ]*

**Assessment of Effect:**  No Potential to Cause Effect  No Historic Properties Affected  No Adverse Effect  Adverse Effect  Streamlined Review

**Recommendations for conditions or stipulations:**

**Doc Method:** Streamlined Review (PA)

**Streamlined Activity:**

- 3. Repair/Resurfacing/Removal of Existing, Roads, Trails and Parking Areas

**[ X ] Historical Landscape Architect**

**Name:** Amy Hoke

Date: 05/26/2016

Comments: Reviewed as Admin Review

Check if project does not involve ground disturbance [ ]

Assessment of Effect:  No Potential to Cause Effect  No Historic Properties Affected  No Adverse Effect  Adverse Effect  Streamlined Review

Recommendations for conditions or stipulations: Project Manager will continue to work with Park Historical Landscape Architect (Amy Hoke, 561-4753) on final designs, including color and texture specs of new concrete and locations for date-stamping new concrete.

Doc Method: Streamlined Review (PA)

Streamlined Activity:

3. Repair/Resurfacing/Removal of Existing, Roads, Trails and Parking Areas

---

No Reviews From: Curator, Archeologist, Historical Architect, Other Advisor, Anthropologist

---

### C. PARK SECTION 106 COORDINATOR'S REVIEW AND RECOMMENDATIONS

#### 1. Assessment of Effect:

No Potential to Cause Effects  
 No Historic Properties Affected  
 No Adverse Effect  
 Adverse Effect

#### 2. Documentation Method:

[ ] A. STANDARD 36 CFR PART 800 CONSULTATION  
Further consultation under 36 CFR Part 800 is needed.

[ X ] B. STREAMLINED REVIEW UNDER THE 2008 SERVICEWIDE PROGRAMMATIC AGREEMENT (PA)

The above action meets all conditions for a streamlined review under section III of the 2008 Servicewide PA for Section 106 compliance.

APPLICABLE STREAMLINED REVIEW Criteria  
(Specify 1-16 of the list of streamlined review criteria.)

3. Repair/Resurfacing/Removal of Existing, Roads, Trails and Parking Areas.

Explanation:

[ ] C. PLAN-RELATED UNDERTAKING

Consultation and review of the proposed undertaking were completed in the context of a plan review process, in accordance with the 2008 Servicewide PA and 36 CFR Part 800.  
Specify plan/EA/EIS:

D. UNDERTAKING RELATED TO ANOTHER AGREEMENT

The proposed undertaking is covered for Section 106 purposes under another document such as a statewide agreement established in accord with 36 CFR 800.7 or counterpart regulations.

---

E. COMBINED NEPA/NHPA Document

Documentation is required for the preparation of an EA/FONSI or an EIS/ROD has been developed and used so as also to meet the requirements of 36 CFR 800.3 through 800.6

G. Memo to SHPO/THPO

H. Memo to ACHP

SHPO/THPO Notes:

3. Additional Consulting Parties Information:

Additional Consulting Parties: No

4. Stipulations and Conditions:

Following are listed any stipulations or conditions necessary to ensure that the assessment of effect above is consistent with 36 CFR Part 800 criteria of effect or to avoid or reduce potential adverse effects.

Reviewed as Admin Review with Haller and Hoke and certified No Adverse Effect with a stipulation. Project Manager will continue to work with Park Historical Landscape Architect (Amy Hoke, 561-4753) on final designs, including color and texture specs of new concrete and locations for date-stamping new concrete.

5. Mitigations/Treatment Measures:

Measures to prevent or minimize loss or impairment of historic/prehistoric properties:  
(Remember that setting, location, and use may be relevant.)

- Assessment of Effect - Cultural Landscapes - Project Manager will continue to work with Park Historical Landscape Architect (Amy Hoke, 561-4753) on final designs, including color and texture specs of new concrete and locations for date-stamping new concrete.

D. RECOMMENDED BY PARK SECTION 106 COORDINATOR:

Compliance Specialist:

NHPA Specialist

Bob Holloway      CRM Specialist (Curator)

Date: 5/26/16

E. SUPERINTENDENT'S APPROVAL

The proposed work conforms to the NPS *Management Policies and Cultural Resource Management Guideline*, and I have reviewed and approve the recommendations, stipulations, or conditions noted in Section C of this form.

Signature

