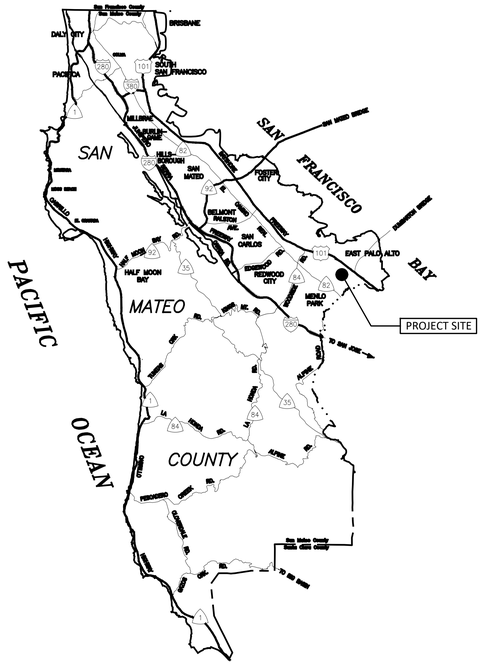
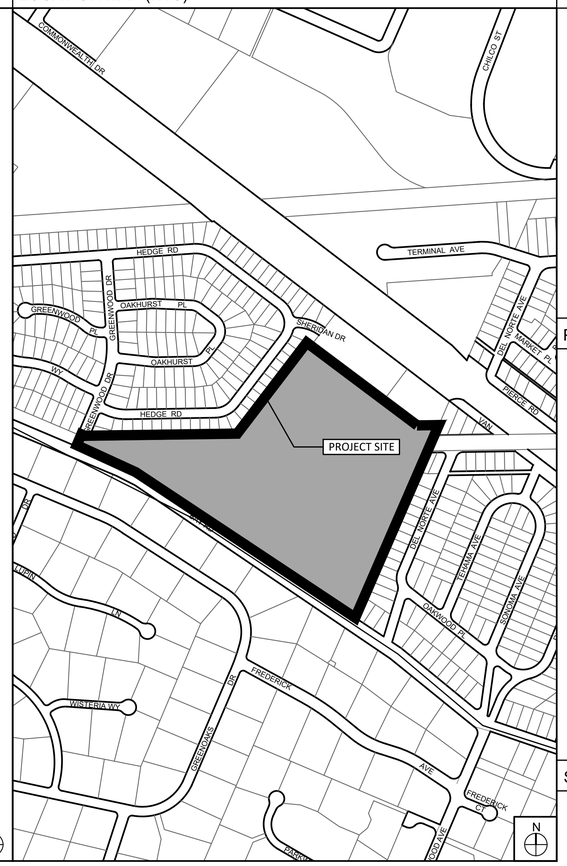
VICINITY MAP (NTS)



LOCATION MAP (NTS)



ILLUSTRATIVE PLAN (NTS, FOR REFERENCE ONLY)



PROJECT

COUNTY OF SAN MATEO

CALIFORNIA

REALIZE FLOOD PARK PROJECT – PHASE 1

215 BAY ROAD

MENLO PARK, CA 94025

PROJECT TEAM

LANDSCAPE ARCHITECTURE
CMG Landscape Architecture
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ARCHITECTURE
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San Francisco, CA 94105
415-486-3100
esdglobal.com

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Brownsburg, IN 46112
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CIVIL ENGINEERING
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Redwood City, CA 94065
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bkf.com

STRUCTURAL ENGINEERING
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160 White Oak Drive
Arcadia, CA 91006
626-355-6088

IRRIGATION
Russell D. Mitchell Associates, Inc.
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Walnut Creek, CA 94597
925-939-3985
rmairrigation.com

COST ESTIMATING
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San Francisco, CA 94111
415-693-0236
mleecorp.com

GEOTECHNICAL AND SOILS ASSESSMENT
Cornerstone
1259 Oakmead Parkway
Sunnyvale, CA 94085
408-245-4600
cornerstoneearth.com

ECOLOGICAL CONSULTANTS
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Los Gatos, CA 95032
408.458.3200
harveyecology.com

SOILS AND WATER TESTING
Wallace Labratories
365 Coral Circle
El Suguno, CA 90245
310-615-0116
wlabs.com

CATHODIC PROTECTION
JDH CORROSION CONSULTANTS, INC.
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CONCORD, CA 94520
925-927-6630
jdhcorrosion.com

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L6-224 PICNIC AREA DETAILS
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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
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REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
JEFFREY M. QUILLMAN
No. 5145
Signature
Renewal Date 08/31/2024
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST LAMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

COVER SHEET

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

G0-100

GENERAL NOTES

1. ALL PROPERTY, EASEMENT AND LIMIT LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
2. CONTRACTOR SHALL CONFINE HIS OPERATIONS AND ACTIVITIES WITHIN THE PROJECT LIMITS, CONSISTING OF ROAD RIGHT-OF-WAY, RIGHTS OF ENTRY AND/OR PROJECT CONFORMS, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
3. EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH. NEITHER THE UTILITY OWNER NOR THE ENGINEER OR LANDSCAPE ARCHITECT ASSUMES RESPONSIBILITY THAT THE UNDERGROUND UTILITIES INDICATED ARE COMPLETE AND ACCURATE.
4. EXISTING UTILITY INFORMATION IS BASED ON SITE SURVEY AND LIMITED RECORD DRAWINGS AND IS NOT A COMPLETE INVENTORY OF EXISTING UTILITIES ON SITE. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING THEIR OWN REVIEW AND VERIFYING EXISTING UTILITY CONDITIONS PRIOR TO EXCAVATION AND DEMOLITION. CONTRACTOR TO PROVIDE UNDERGROUND LOCATING SERVICE TO HAVE THE LOCATION OF EXISTING UNDERGROUND UTILITIES MARKED. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AMPLE COVER FOR THE PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION.
5. CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY.
6. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF UTILITIES. ALL UTILITIES ARE ASSUMED TO BE PROTECTED IN PLACE, UNLESS OTHERWISE STATED.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ANY EXISTING SURVEY MONUMENTS AND ANY MONUMENTS OBLITERATED OR DAMAGED DURING CONSTRUCTION WILL BE REPLACED AT THE CONTRACTORS EXPENSE.
8. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL AREAS DISRUPTED BY DEMOLITION OR CONSTRUCTION WORK.
9. 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 ENGINEER. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ANY COSTS, CONSTRUCTION DELAYS, OR REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.
10. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MAINTENANCE DISTRICT FOR AIRBORNE PARTICULATE (DUST).
11. THE CONTRACTOR SHALL SCHEDULE THE OWNER'S ARBORIST TO BE ON-SITE DURING EXCAVATION NEAR TREE DRIP-LINES. REFER TO TREE PROTECTION PLANS AND SPECIFICATIONS.
12. NO TREES, VEGETATION OR IMPROVEMENTS (INCLUDING FENCES) SHALL BE REMOVED WITHOUT THE PRIOR WRITTEN CONSENT AND APPROVAL OF THE ENGINEER. VEGETATION AND IMPROVEMENTS WHICH ARE DESIGNATED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. REFER TO PROJECT SPECIAL PROVISIONS SECTION 16 REGARDING REQUIREMENTS FOR ADVANCE NOTIFICATION OF PROPERTY OWNERS.
13. CONTRACTOR SHALL REMOVE FROM THE SITE ALL DEBRIS AND UNSUITABLE MATERIAL GENERATED BY THE CONTRACTOR'S OPERATIONS AND DISPOSE OF ALL MATERIAL IN COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS. 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.
14. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OR REPAIR TO ANY EXISTING STRUCTURES, SITE FEATURES OR MATERIALS INDICATED TO REMAIN.
15. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES IN THE CONSTRUCTION DRAWINGS OR SPECIFICATIONS OR WHERE ANY CONFLICTS OCCUR BETWEEN THE DOCUMENTS AND EXISTING CONDITIONS.
16. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND SHEATHED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEATHING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL COMPLETE NECESSARY REPAIRS OR RECONSTRUCTION AT HIS OWN EXPENSE. WHERE THE EXCAVATION FOR TRENCHING AND/OR STRUCTURE IS FIVE (5) FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE SHEATHING, SHORING AND BRACING IN CONFORMANCE WITH THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL COMPLY WITH OSHA REQUIREMENTS AT ALL TIMES.
17. TESTING ASSOCIATED WITH LANDSCAPE CONSTRUCTION AS NOTED IN SPECIFICATIONS ARE INCLUDED IN SCOPE OF WORK. COSTS ASSOCIATED WITH TESTING SHALL BE COVERED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
18. WHERE "VERIFY" OR "FIELD VERIFY" IS USED IN CONJUNCTION WITH A DIMENSION, THE CONTRACTOR SHALL VERIFY THE MEASUREMENT PRIOR TO BEGINNING THE WORK. IMMEDIATELY BRING DISCREPANCIES TO THE ATTENTION OF THE ENGINEER.
19. REFER TO CIVIL DRAWINGS FOR ALL NOTES AND INFORMATION RELATED TO EXISTING AND PROPOSED UTILITIES INCLUDING LOCATION OF EXISTING UTILITIES PRIOR TO ANY SITE DEMOLITION OR CLEARING OR ASSOCIATED WITH ANY SITE GRADING OR TRENCHING OPERATIONS.
20. CONTRACTOR IS TO SUBMIT A SUMMARY OF ALL SUBMITTALS NECESSARY FOR WORK AND ASSOCIATED SCOPE ITEMS FOR APPROVAL. BASED ON THE APPROVED LISTING OF PROJECT SUBMITTALS CONTRACTOR IS TO SUBMIT ALL NECESSARY DOCUMENTATION IN ACCORDANCE WITH CONTRACT DOCUMENTS.
21. ALL SHOP DRAWINGS REQUIRED AS PART OF THE 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.
22. ALL WORK SHALL COMPLY WITH THE SFPUC INTERIM ROW POLICY, INTEGRATED VEGETATION MANAGEMENT POLICY AND EQUIPMENT VEHICLE LOAD RESTRICTIONS AND THE FORTHCOMING LAND USE AGREEMENT BETWEEN THE SFPUC AND COUNTY OF SAN MATEO.
23. CONTRACTOR TO REFER TO GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION AND COMPACTION REQUIREMENTS, AGGREGATE BASE COMPACTION REQUIREMENTS, AND AC COMPACTION REQUIREMENTS.

CODES AND REGULATIONS

CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS INCLUDING BUT NOT LIMITED TO:

- CALIFORNIA BUILDING CODE (CBC) 2022
- COUNTY OF SAN MATEO BUILDING DEPARTMENT REQUIREMENTS
- BAY AREA AIR QUALITY MANAGEMENT DISTRICT - CURRENT RULES, REGULATIONS, AND AIR QUALITY GUIDELINES
- CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS & SPECIFICATIONS 2018

ALL SITE WORK SHALL BE IN CONFORMANCE WITH LOCAL ADMINISTRATIVE CODE AND AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).

SFPUC REQUIREMENTS

1. THE CITY AND COUNTY OF SAN FRANCISCO ACTING BY AND THROUGH ITS PUBLIC UTILITIES COMMISSION, WATER SUPPLY, AND TREATMENT DIVISION ("SFPUC") OWNS AND OPERATES THREE WATER AQUEDUCTS THAT CROSS THE PROJECT ALIGNMENT. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (USA) 48 HRS BEFORE ANY CONSTRUCTION IN THE VICINITY OF THE SFPUC AQUEDUCTS. IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE SFPUC CONSTRUCTION INSPECTOR, MR. ALBERT HAO, AT (650) 871-3015, AT LEAST TEN (10) CALENDAR DAYS PRIOR TO THE START OF ON-SITE CONSTRUCTION IN THE VICINITY OF THE SFPUC ROW. IN THE EVENT OF AN EMERGENCY INVOLVING SFPUC FACILITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY SFPUC BY CALLING SFPUC MILLBRAE DISPATCH AT (650) 872-5900.
2. NO MECHANICAL EXCAVATION IS ALLOWED WITHIN 24 INCHES OF SFPUC PIPELINES. DIGGING WITHIN 24 INCHES OF PIPELINE MUST BE DONE WITH HAND TOOLS. NO VIBRATORY COMPACTION EQUIPMENT SHALL BE USED WITHOUT PRIOR WRITTEN APPROVAL OF THE SFPUC.
3. CONTRACTOR SHALL OBTAIN CONSENT FROM THE SFPUC TO POTHOLE SFPUC PIPELINE TO DETERMINE THE PIPE DEPTH PRIOR TO ANY EXCAVATION. THE POTHOLING SHALL BE CARRIED OUT BY SOIL VACUUM EXTRACTION METHOD.
4. MAXIMUM EXTERNAL LOADING OVER SFPUC PIPELINE IS AASHTO H-10 LOADING WITH A MINIMUM OF 3FT SOIL COVER (OR H-20 LOADING WITH A MINIMUM OF 4FT SOIL COVER). IF LOADING CONDITION EXCEEDS ABOVE, ENGINEERING CALCULATIONS SHOWN IN AWWA, M9 MUST BE SUBMITTED TO THE SFPUC TO SHOW THAT PROPOSED CONDITION WOULD IMPOSE A LOAD OF LESS THAN 500 PSF ONTO THE PIPELINE.
5. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE WITH SFPUC. CONTRACTOR IS TO REVIEW AND ABIDE BY ALL SUPPORTING DOCUMENTATION AND GUIDELINES PROVIDED BY SFPUC AND COUNTY OF SAN MATEO OUTLINING WORK, ADDITIONAL WORK REQUIREMENTS, OPERATIONAL CONSTRAINTS, LOADING LIMITATIONS, AND POTHOLING REQUIREMENTS.
6. REFER TO DETAILED REQUIREMENTS IN SUPPLEMENTARY DOCUMENTS WITHIN PROJECT SPECIFICATIONS.

ADA NOTES

1. ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND WITH THE AMERICANS WITH DISABILITIES ACT.
2. ALL PAVING AREAS SHALL BE ACCESSIBLE PER TITLE 24. ACCESSIBLE PATHS OF TRAVEL ARE A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ALL ACCESSIBLE PATHS OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". THERE SHALL BE NO NO BARRIERS IN THE PATH OF TRAVEL.
3. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%). RAMPS SHALL NOT EXCEED 1:12 (8.33%). ALL RAMPS SHALL HAVE A RAILING AND CURB PER PLANS AND DETAILS. RAMPS EXCEEDING 2'-6" VERTICAL SHALL HAVE INTERMEDIATE (1.5% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72". LANDINGS AT BOTTOMS OF RAMPS SHALL EXTEND 72" IN DIRECTION OF TRAVEL.
4. A 1.5% MAXIMUM IN ALL DIRECTIONS SLOPE SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS, THE LANDINGS SHALL HAVE A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO ENTRY AREA.
5. A 1.5% MAXIMUM IN ALL DIRECTIONS SLOPE SHALL BE PROVIDED AT TOP/BOTTOM OF ALL STAIRS, RAMPS AND INTERSECTIONS OF ALL PATHWAYS.

GENERAL ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
APPROX	APPROXIMATE
BC	BEGIN CURVE/ BOTTOM OF CURB
BNDY	BOUNDARY
BEG	BEGIN
BF	BOTTOM FACE
BLDG	BUILDING
BM	BENCH MARK
BOW	BACK OF WALK
BTA	BIORETENTION TREATMENT AREA
BVC	BEGIN VERTICAL CURVE
BW	BOTTOM OF WALL
CL	CENTER LINE
CB	CATCH BASIN
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CLR	CLEAR
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
CMU	CONCRETE MASONRY UNIT
CU FT	CUBIC FEET
DB	DRAIN BASIN
DBH	DIAMETER AT BREAST HEIGHT
DI	DRAINAGE INLET
DIA	DIAMETER
DIM	DIMENSION
DWG	DRAWING
(E)/EX	EXISTING
EA	EACH
EC	END OF CURVE
EF	EACH FACE
ELEV/EL	ELEVATION
ELECT	ELECTRICAL
EQ	EQUAL
EVC	END OF VERTICAL CURVE
EW	EACH WAY
EXP/EJ	EXPANSION JOINT
FFE	FINISHED FLOOR
FG	FINISH GRADE (LANDSCAPE)
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISH SURFACE
G	GAS
GAL	GALLON
GALV	GALVANIZED
GB	GRADE BREAK
GM	GAS METER
GND	GROUND
HB	HOSE BIB
HORIZ	HORIZONTAL
IE	INVERT
JT	JOINT
LF	LIGHTWEIGHT FILL
LOL	LAYOUT LINE
LOW	LIMIT OF WORK
ME	MATCH EXISTING
MH	MANHOLE
MAINT	MAINTENANCE
MAX	MAXIMUM
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
(N)	NEW
N	NORTH
NOS	NUMBERS
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
PA	PLANTING AREA
PI	POINT OF INTERSECTION
POC	POINT OF CONNECTION
POT	POINT ON TANGENT
PP	POWER POLE
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTDF	PRESSURE-TREATED DOUG FIR
PERM	PERMANENT
PERF	PERFORATED
PVC	POLYVINYL CHLORIDE PIPE
QC	QUICK COUPLER
RAD/R	RADIUS
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RIM	RIM ELEVATION/TOP OF GRATE
REINF	REINFORCING
R.R.	RAILROAD
RT	RIGHT
ROW	RIGHT-OF-WAY
SCD	SEE CIVIL DRAWINGS
SCH	SCHEDULE
SD	STORM DRAIN
SED	SEE ELECTRICAL DRAWINGS
SHT.	SHEET
SID	SEE IRRIGATION DRAWINGS
SIM	SIMILAR
SQ	SQUARE
SS	SANITARY SEWER OR STAINLESS STEEL
SSMH	SANITARY SEWER MANHOLE
STA	STATION POINT
STD	STANDARD
STL	STEEL
S/W	SIDEWALK
SSCO	SANITARY SEWER CLEANOUT
TB	TOP OF BENCH
TBD	TO BE DETERMINED
TC	TOP OF CURB
TF	TOP FOOTING
TEMP	TEMPORARY
TOF	TOP OF FOOTING
TOR	TOP OF RAMP
TOS	TOP OF SLAB
TTL	TOTAL
TOW/TW	TOP OF WALL
TYP	TYPICAL
TP	TELEPHONE POLE
UNO	UNLESS NOTED OTHERWISE
V/VERT	VERTICAL
VB	VALVE BOX
VC	VERTICAL CURVE
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WC	WHEELCHAIR ACCESSIBLE
WM	WATER METER
WMH	WATER MANHOLE
WP	WORK POINT
WPJ	WEAKENED PLANE JOINT

LINETYPES LEGEND

- PROPERTY LINE
- SFPUC RIGHT OF WAY
- 100' SETBACK
- LIMIT OF WORK (LOW)
  NOTE: LIMIT OF WORK FOR ALL WORK WITH EXCEPTION OF TRANSPLANTING AND PLANTING OF NEW TREES

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
STEPHEN M. QUILLARD No. 2592
Signature
Renewal Date 08/31/2024
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST. LAMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

LANDSCAPE NOTES AND ABBREVIATIONS

PROJECT CSM 2101	DRAWN BY AFO, JY, NA, AMP
SCALE	CHECKED BY CG, AMP

SHEET NUMBER

G0-101

TREE REMOVAL AND PROTECTION LEGEND

SYMBOL	TYPE
	Existing Trees to be Removed
	Existing Trees to be Transplanted -See L1-610 for Transplant Locations
TRUNK CANOPY	Existing Trees to Remain and be Protected
	Heritage Tree to Remain - NOTE: Protection requirements' extents are equal to 1" DBH = 1'-6" diameter of protection
	Significant Tree To Remain
	Other Tree To Remain
	Tree Protection Zone
	Heritage Tree Protection Zone + Fence
	Tree Protection Fencing
	Tree Protection Fencing Access Point

UTILITY COLOR CHART

SERVICE	COLOR
Irrigation	Blue
Water	Pink
Sewer	Green
Electrical	Orange
Telecom	Red

TREE PROTECTION NOTES

General

1. All existing trees are identified with numbers that correspond to the Arborist's Report included as part of the contract documents. Contractor shall notify Owner's appointed Construction Manager of any discrepancies between tree tag numbers in the field and those designated on plans.
2. Complete a pre-construction tree protection site walk with the Parks Department Arborist, Resident Engineer, and Landscape Architect in advance of preparing the construction sequencing and tree protection plans as defined in the Specifications.
3. Provide Tree Protection Plan indicating fencing locations based on construction sequencing plan for review and approval.
   a. Provide updates to the plan as needed for construction sequencing and operations.
   b. Updates to the protection plan and measures shall be approved by the Supervising Arborist and reviewed by the Resident Engineer to confirm compliance.
4. Key tree protection definitions and requirements are outlined below. Refer to the "Tree Removal and Protection" Specifications for all requirements.

Tree Protection Zone (TPZ)

1. Tree Protection Zones (TPZ designates an area surrounding a tree or grouping of trees that is to be fenced for protection. All construction activity (grading, filling, excavation, trenching, paving, landscaping) within the (TPZ) shall be completed according to the specifications. The TPZ for each tree is identified in the drawings as follows:
   a. Heritage Trees: 1'-6" protection for every 1-inch of diameter at breast height, i.e. 48 inch DBH = 72 foot diameter around tree.
   b. Significant Trees: TPZ = 1-foot protection for every 1 inch DBH, i.e. 24 inch DBH = 24 foot diameter around tree, or the tree dripline, whichever is greater.
   c. All Other Trees: 1-foot protection for every 1-inch DBH, i.e. 24 inch DBH = 24 foot diameter around tree, or the tree dripline, whichever is greater.
   d. Exceptions to this standard may occur depending upon the age, condition, and species tolerance of individual trees as determined by the Supervising Arborist.
2. Critical Root Zone: The critical root zone is the radial area around the trunk where all root impacts shall be avoided or mitigated with specialized procedures. The critical root zone will be a radial distance equal to three times the trunk diameter, or 8 feet minimum.
3. Protection: Provide all barricades including tree protection fencing as required to prevent all damage to existing trees and landscape areas to remain, including but not limited to protection from mechanical damage, soil compaction, pollution from all sources, and disruption of environmental support which would result in damage of said trees and plants.
   a. Primary Protection: 6' tall temporary chain link fencing defining the perimeter of the Tree Protection Zones as directed and approved by Supervising Arborist.
   b. Secondary Protection: 4' tall bright orange safety fencing, with metal channel posts installed at the Drip line of all trees within the designated TPZ where work is to be completed. The secondary protection will define the maximum extent of work within the TPZ.
   c. Trunk Protection: Protection of trunks as required by the specifications.
   d. Root Zone Protection: Protection of root zone soil from compaction as required by the specifications.

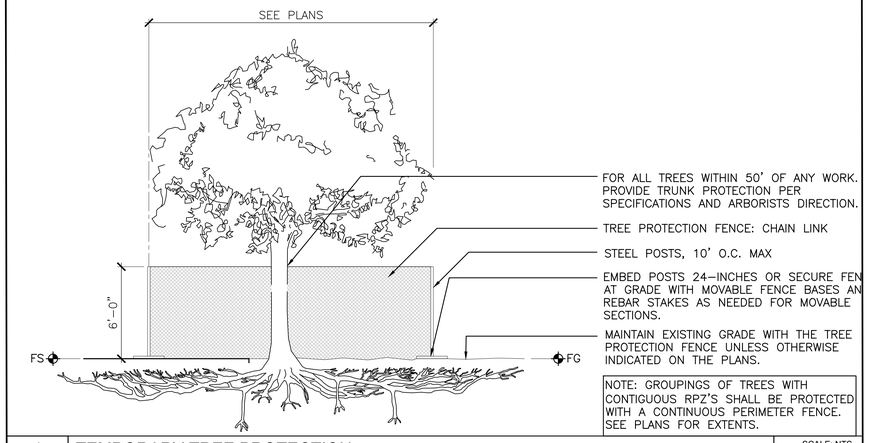
TREE TRANSPLANT NOTES

1. Refer to tree removal plans for existing trees that are designated for removal and transplant on-site
2. Expectation is that trees being transplanted are to be planted permanently in their permanent spot immediately after excavation and are not to be stored in boxes or a secondary location for any amount of time.

TREE REMOVAL AND PROTECTION SUMMARY - PHASE 1

TYPE	QUANTITY
TOTAL EXISTING TREES	
Total (E) Trees	739
Total (E) Trees to Remain	687
Total (E) Trees to be Removed	52
Total (E) Trees to be Transplanted	19
TOTAL TREES REMOVED FOR SITE IMPROVEMENTS	
Total (E) Heritage Trees	0
Total (E) Significant Oak Trees	5
Total (E) Significant Native Trees (Non-Oak)	2
Total (E) Significant Non-Native Trees	12
Total (E) Oak Trees (less than 12")	7
Total (E) Native Trees (Non-Oak, less than 12")	5
Total (E) Non-Native Trees (less than 12")	9
TOTAL	40
TOTAL TREES REMOVED DUE TO HEALTH	
Total (E) Heritage Trees	0
Total (E) Significant Trees	7
Total (E) Non-Significant Trees	5
TOTAL	12

NOTE: TREE TOTALS REFLECT COORDINATION TO DATE AND ARE SUBJECT TO CHANGE BASED ON ONGOING PARK MAINTENANCE AND ASSESSMENT BY QUALIFIED ARBORISTS.



1 TEMPORARY TREE PROTECTION — SCALE: NTS

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OWNER/CLIENT

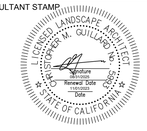
SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

SHEET TITLE

TREE REMOVAL & PROTECTION NOTES & LEGEND

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

G0-200



TREE REMOVAL AND PROTECTION LEGEND

SYMBOL	TYPE
	Existing Trees to be Removed
	Existing Trees to be Transplanted -See L1-610 for Transplant Locations
TRUNK CANOPY	Existing Trees to Remain and be Protected
	Heritage Tree to Remain - NOTE: Protection requirements' extents are equal to 1" DBH = 1'-6" diameter of protection
	Significant Tree To Remain
	Other Tree To Remain
	Tree Protection Zone
	Heritage Tree Protection Zone
	Tree Protection Fencing
	Tree Protection Fencing Access Point

1"=50' 0 12.5 25 50 100

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 5085
Signature
Revised Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

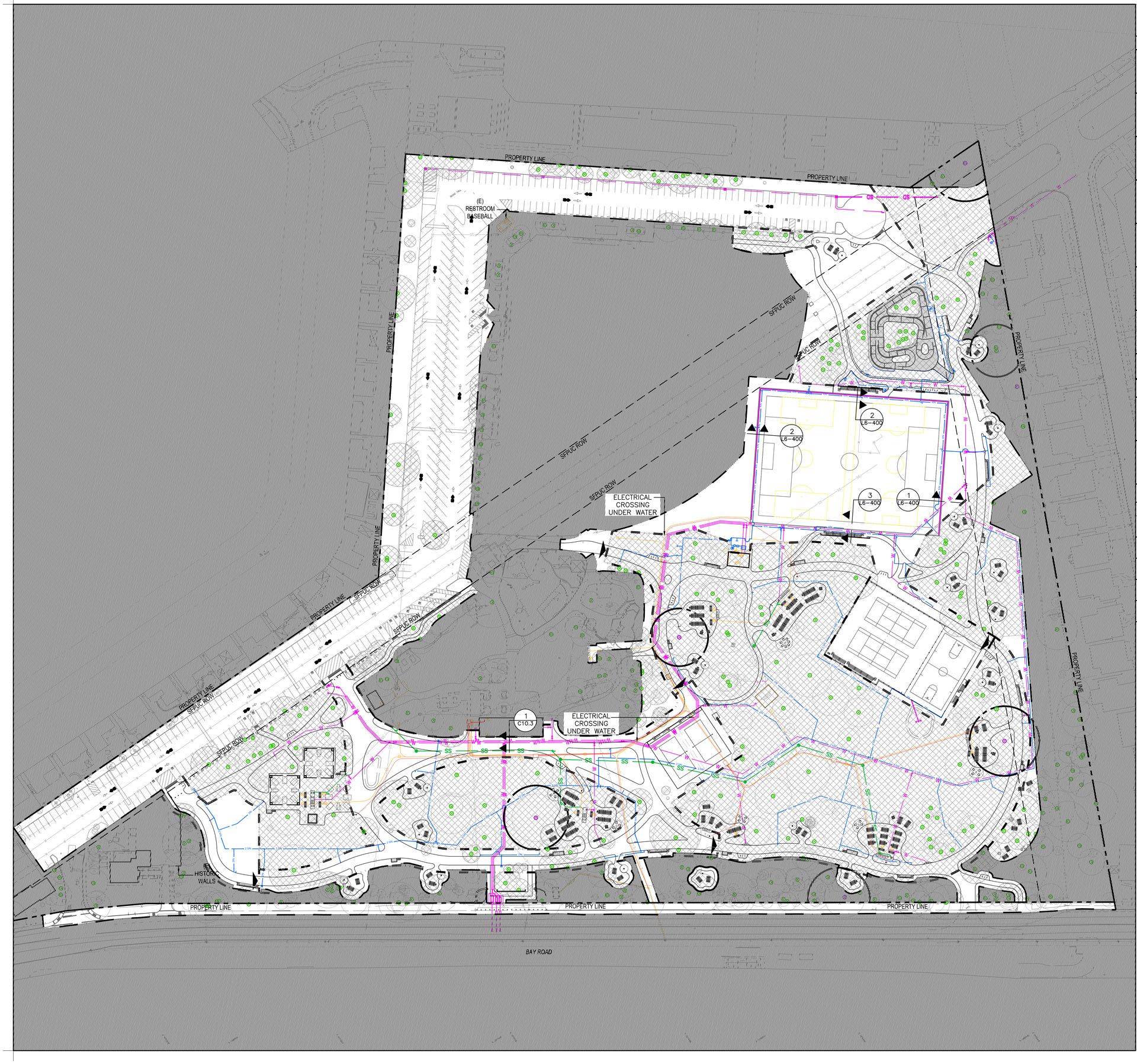
SHEET TITLE

TREE REMOVAL & TRANSPLANT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 50'-0"	CG, AMP

SHEET NUMBER

G0-210



TREE REMOVAL AND PROTECTION LEGEND

SYMBOL	TYPE
	Existing Trees to be Removed
DBH CPZ	Existing Trees to be Transplanted -See L1-610 for Transplant Locations
TRUNK CANOPY	Existing Trees to Remain and be Protected
	Heritage Tree to Remain - NOTE: Protection requirements' extents are equal to 1" DBH = 1'-6" diameter of protection
	Significant Tree To Remain
	Other Tree To Remain
	Tree Protection Zone
	Heritage Tree Protection Zone
	Tree Protection Fencing
	Tree Protection Fencing Access Point

UTILITY COLOR CHART

SERVICE	COLOR
Irrigation	Blue
Water	Pink
Sewer	Green
Electrical	Orange
Telecom	Red

UTILITY MINIMUM COVERS:

IRRIGATION LATERALS:	18"
ELECTRICAL CONDUIT:	24"
COMMUNICATIONS:	24", PARALLEL W/ ELECTRICAL
IRRIGATION MAINLINE:	24", TO BE ROUTED UNDER ELECTRICAL AT CROSSINGS
DOMESTIC WATER:	36"
FIRE WATER:	3'-10"
SANITARY SEWER:	PER PLANS

NOTES:

1. MINIMUM COVERS FOR UTILITIES LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO CIVIL, ELECTRICAL, AND IRRIGATION FOR ADDITIONAL INFORMATION.
2. REFER TO CIVIL DRAWINGS FOR DW, FW, AND SS FOR LAYOUT AND DETAILS.
3. REFER TO ELECTRICAL AND TELCOM DRAWINGS FOR LAYOUT AND DETAILS.
4. REFER TO IRRIGATION DRAWINGS FOR LAYOUT AND DETAILS.
5. REFER TO ELECTRICAL DRAWINGS FOR DETAIL AT ELECTRICAL//WATER AND SANITARY CROSSINGS.

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
LAURENCE A. GOTLIEB
No. 5
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

UTILITY COORDINATION PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

G0-211



TREE REMOVAL AND PROTECTION LEGEND

SYMBOL	TYPE
	Existing Trees to be Removed
	Existing Trees to be Transplanted -See L1-610 for Transplant Locations
TRUNK CANOPY	Existing Trees to Remain and be Protected
	Heritage Tree to Remain - NOTE: Protection requirements' extents are equal to 1" DBH = 1'-6" diameter of protection
	Significant Tree To Remain
	Other Tree To Remain
	Tree Protection Zone
	Heritage Tree Protection Zone
	Tree Protection Fencing
	Tree Protection Fencing Access Point

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLEN
No. 5906
Signature
Renewal Date: 08/31/2024
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MAUER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

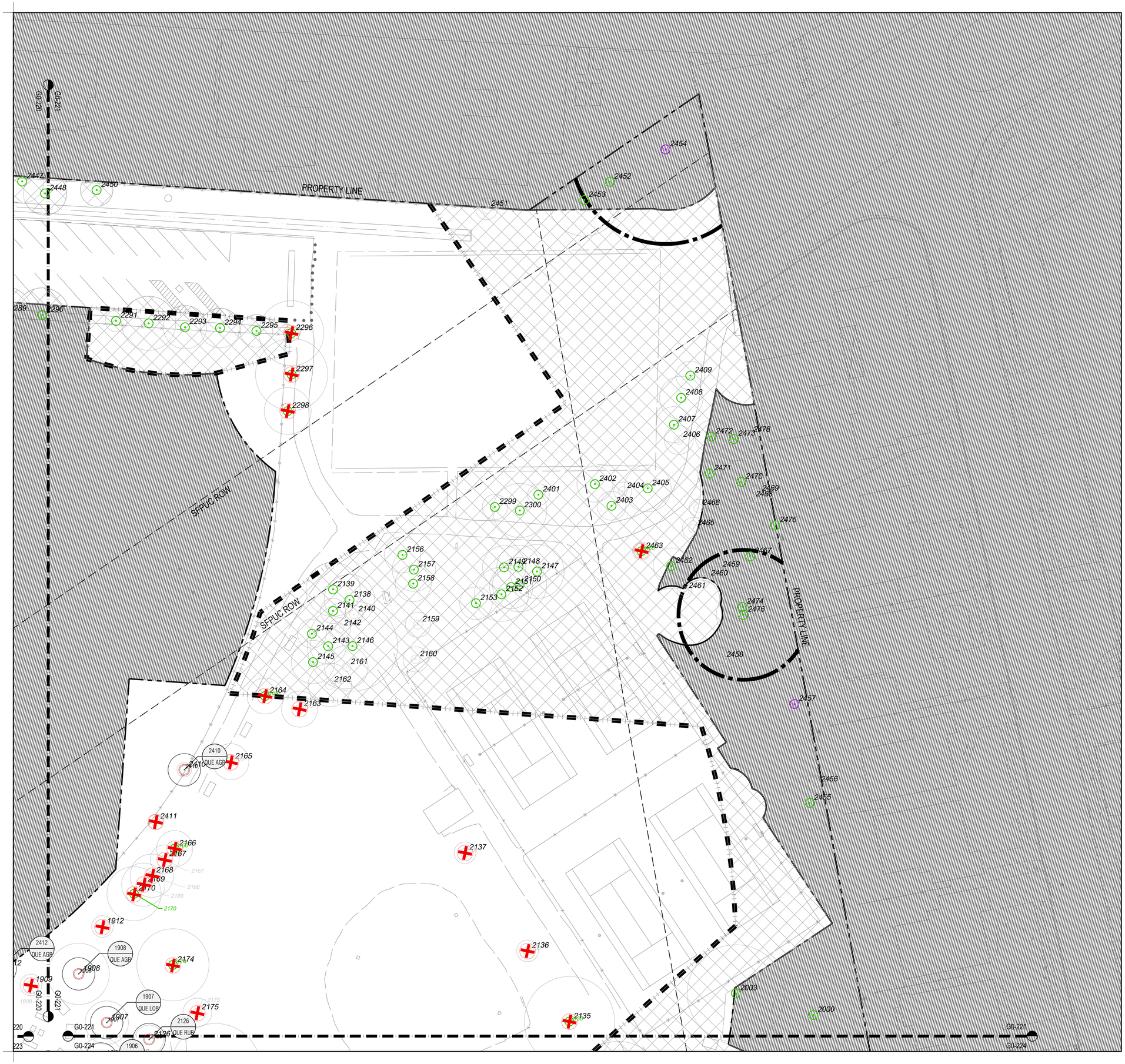
SHEET TITLE

TREE REMOVAL & TRANSPLANT ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

G0-220



TREE REMOVAL AND PROTECTION LEGEND

SYMBOL	TYPE
	Existing Trees to be Removed
TRANSPLANT LOCATION	Existing Trees to be Transplanted -See L1-610 for Transplant Locations
TRUNK CANOPY	Existing Trees to Remain and be Protected
	Heritage Tree to Remain - NOTE: Protection requirements' extents are equal to 1" DBH = 1'-6" diameter of protection
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OWNER/CLIENT

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PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
STEPHEN M. CULLUM
No. 5161
Signature
Renewal Date 08/31/2024
LANDSCAPE
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MAUER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

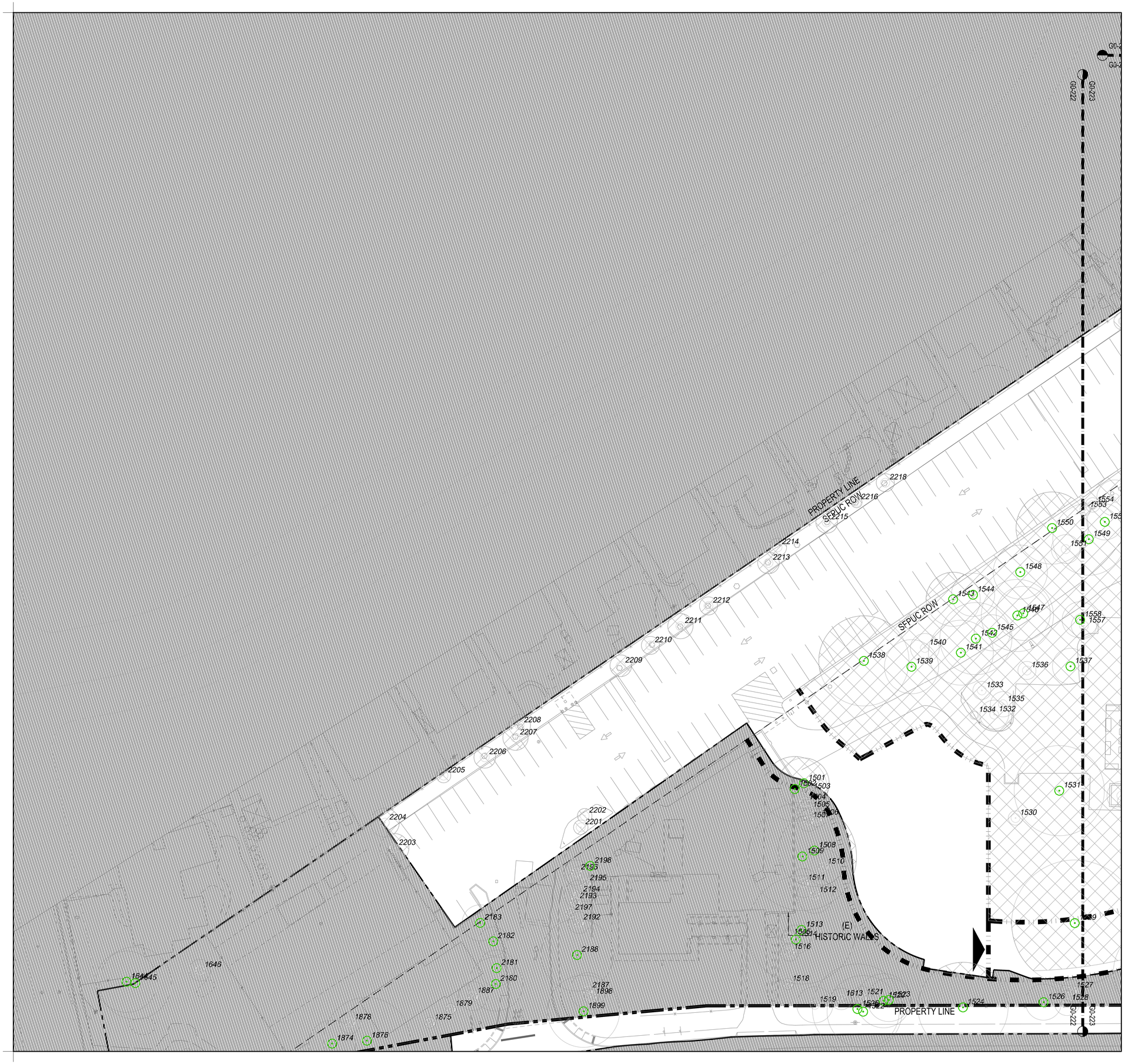
SHEET TITLE

TREE REMOVAL & TRANSPLANT ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

G0-221



TREE REMOVAL AND PROTECTION LEGEND

SYMBOL	TYPE
	Existing Trees to be Removed
TRUNK CANOPY	Existing Trees to be Transplanted -See L1-610 for Transplant Locations
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	Tree Protection Fencing Access Point

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
ANDREW MAUER STILLMAN
No. 6482
Renewal Date 08/31/2024
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANW MAUER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

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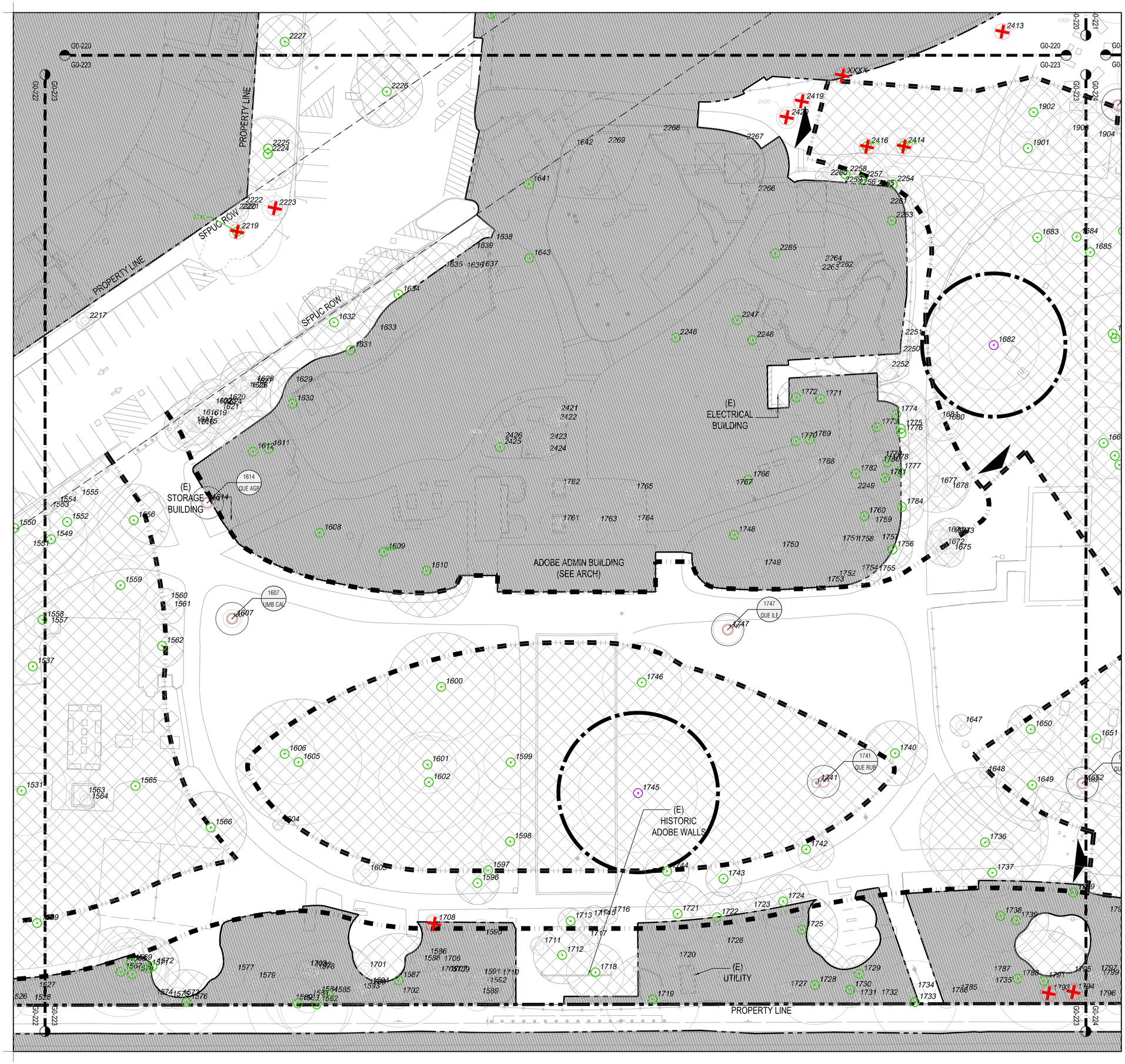
TREE REMOVAL & TRANSPLANT ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

G0-222



TREE REMOVAL AND PROTECTION LEGEND

SYMBOL	TYPE
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	Existing Trees to be Transplanted -See L1-610 for Transplant Locations
TRUNK CANOPY	Existing Trees to Remain and be Protected
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OWNER/CLIENT

SAN MATEO COUNTY PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT CHRISTOPHER M. GUILLARD No. 4365 Signature Minimum Renewal Date Date STATE OF CALIFORNIA

PHASE

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NO.	ISSUE	DATE
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

TREE REMOVAL & TRANSPLANT ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

G0-223

TREE REMOVAL AND PROTECTION LEGEND

SYMBOL	TYPE
	Existing Trees to be Removed
TRANSPLANT WITH	Existing Trees to be Transplanted -See L1-610 for Transplant Locations
TRUNK CANOPY	Existing Trees to Remain and be Protected
	Heritage Tree to Remain - NOTE: Protection requirements' extents are equal to 1" DBH = 1'-6" diameter of protection
	Significant Tree To Remain
	Other Tree To Remain
	Tree Protection Zone
	Heritage Tree Protection Zone
	Tree Protection Fencing
	Tree Protection Fencing Access Point

cmg
Landscape Architecture
444 Bryant St
San Francisco, CA 94107
415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
JAMES R. M. QUILLIN
No. 6482
Signature
Renewal Date: 08/31/2024
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MAUER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

TREE REMOVAL & TRANSPLANT ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

G0-224

1"=20'
0 5 10 20 40
N



ACCESSIBILITY LEGEND

SYMBOL	DESCRIPTION
———	ACCESSIBLE PATH OF TRAVEL
— — —	ACCESSIBLE PATH OF TRAVEL (FUTURE PHASES)
*	POINT OF INTEREST
A	ACCESSIBLE PARKING STALLS
AV	ACCESSIBLE PARKING VAN STALLS
	COMPANION SEATING
C	CONFORMING TO EXISTING

GENERAL NOTES	
ACCESSIBLE PATH OF TRAVEL	48" WIDTH MINIMUM ACCESSIBLE PAVING SURFACE. SLOPES SHALL BE 1.5% IN THE DIRECTION OF POSITIVE DRAINAGE. CROSS SLOPES SHALL NOT EXCEED 1.5%. PHASE 1 PATH WIDTHS ARE 8'-0" WIDE, MIN., TYP.
COMPANION SEATING	WHEELCHAIR USER AREA WHERE INDICATED ON PLAN. MIN 30" WIDE. 12" CLEAR ALIGNED WITH BACK OF BENCH FOR SHOULDER TO SHOULDER SEATING. PROVIDE 24" CLEAR IN FRONT OF ALL BENCHES.
TOTAL PARKING SPACES	381
MIN REQUIRED STANDARD ADA PER CBC	8
ADA STALLS (VAN + CAR) PROPOSED FOR PHASE 1	16 TOTAL (2) VAN (14) CAR

GENERAL NOTES

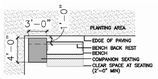
NOTES:
1 ALL SITE WORK SHALL BE CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE, (1029 CALIFORNIA BUILDING CODE). THE AMERICANS WITH DISABILITIES ACT (ADA). THE 2010 ADA ACCESSIBILITY STANDARDS FOR ACCESSIBLE DESIGN AND APPLICABLE COUNTY OF SAN MATEO CODES & REQUIREMENTS.

2. THE SITE IS RELATIVELY FLAT THERE ARE NO RAMPS, HANDRAILS, OR STAIRS. NO PAVING SURFACES EXCEED 4.5% SLOPE IN ANY DIRECTION. ALL PAVED AREAS SHALL BE ACCESSIBLE IN ACCORDANCE WITH ITEM 1 AND ALL APPLICABLE DPW ORDERS. ACCESSIBLE PATHS OF TRAVEL ARE A BARRIER-FREEWALKING SURFACES SHALL BE STABLE, FIRM AND SLIP-RESISTANT. CROSS SLOPES DOES NOT EXCEED 1.5%.

3. DESIGN ALLOWS FOR NORMAL CONSTRUCTION TOLERANCES IN THE DESIGN WHERE POSSIBLE. FOR EXAMPLE, AT SURFACES THAT ARE NOT TO EXCEED 2% SLOPE, THE MAXIMUM DESIGN SLOPE SHOULD NOT EXCEED 1.45%.

4. PROPOSED PATHS OF TRAVEL WILL CONNECT TO EXISTING SITE PATHWAYS. CONNECTIONS WILL CONFORM TO EXISTING GRADES AND MEET PERTINENT REQUIREMENTS.

ADA TYP COMPANION SEATING



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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

SHEET TITLE

ACCESSIBILITY PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 50'-0"	CG, AMP

SHEET NUMBER

G0-310

GENERAL NOTES

I. GENERAL NOTES:

1. THE FOLLOWING NOTES ARE NOT PART OF THE COUNTY OF SAN MATEO NOR CITY OF MENLO PARK'S ENCROACHMENT PERMIT APPROVAL CONDITIONS BUT ARE PROVIDED AS SUPPLEMENTAL NOTES BY BKF ENGINEERS AND ARE TO BE ADHERED TO BY THE CONTRACTOR. CONTRACTOR SHALL COMPLY WITH CITY OF MENLO PARK'S SPECIFICATIONS, COUNTY OF SAN MATEO AND DETAILS DURING PERFORMANCE OF WORK, UNLESS NOTED OTHERWISE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING REQUIRED INSPECTIONS BY THE COUNTY, CITY INSPECTOR, OR HIS AUTHORIZED REPRESENTATIVES. BKF ENGINEERS IS NOT RESPONSIBLE FOR DELAY OF WORK CLAIM DUE TO THE CONTRACTOR'S FAILURE TO ARRANGE FOR COUNTY OR CITY INSPECTION IN ADVANCE.
3. WORK SHALL NOT BE PERFORMED DURING HOURS OTHER THAN THE NORMAL WORKING HOURS OF THE COUNTY OR CITY INSPECTION AND MAINTENANCE PERSONNEL WITHOUT THE APPROVAL OF THE COUNTY OR CITY ENGINEER AND WITHOUT FIRST OBTAINING A SPECIAL PERMIT FOR AFTER HOURS WORK FROM THE COUNTY OR CITY ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ANY ADDITIONAL FEES REQUIRED BY THE COUNTY AND CITY FOR PERFORMING WORK BEYOND THE NORMAL WORKING HOURS. CONTRACTOR SHALL CONFORM TO THE REQUIREMENT OF THE COUNTY OR CITY NOISE ORDINANCE.
4. REVISIONS TO THESE PLANS MUST BE REVIEWED AND APPROVED IN WRITING BY THE ENGINEER, WHO WILL OBTAIN APPROVAL FROM THE COUNTY OR CITY ENGINEER PRIOR TO CONSTRUCTION OF AFFECTED ITEMS. REVISIONS SHALL BE ACCURATELY SHOWN ON REVISED PLANS, WHICH SHALL BE REVIEWED AND APPROVED BY THE ENGINEER AND CITY ENGINEER PRIOR TO INSTALLATION OF THE IMPROVEMENTS.
5. CONTRACTOR SHALL REPLACE OR REPAIR, AT HIS OWN EXPENSE, DAMAGED, REMOVED OR OTHERWISE DISTURBED EXISTING UTILITIES, IMPROVEMENTS OR FEATURES OF WHATEVER NATURE, TO ITS ORIGINAL CONDITION.
6. REPLACE STREET MONUMENTS AND OTHER PERMANENT MONUMENTS DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE CITY ENGINEER.
7. CONTRACTOR SHALL COORDINATE HIS WORK, AND THAT OF HIS SUBCONTRACTORS, WITH ANY ONGOING GRADING OR SITE WORK OF OTHER CONTRACTORS AND WITH THE INSTALLATION OF FACILITIES BY PG&E, AT&T, CABLE TV AND (T-MOBILE) 2
8. IF TEMPORARY LANE CLOSURES ARE REQUIRED FOR CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN AND OBTAIN APPROVAL FROM THE CITY ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR SHALL ALSO PROVIDE FLAG MEN, CONES OR BARRICADES, AS NECESSARY TO CONTROL TRAFFIC AND PREVENT HAZARDOUS CONDITIONS, PER CALTRANS STANDARDS AND THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
9. EXISTING PEDESTRIAN WALKWAYS, BIKE PATHS AND ADA ACCESS PATHWAYS WITHIN CITY RIGHT-OF-WAY SHALL BE MAINTAINED DURING CONSTRUCTION TO THE SATISFACTION OF THE CITY ENGINEER AND INSPECTOR.
10. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT IN EXISTING STREET AREAS. CONTRACTOR SHALL BACKFILL TRENCHES, OR PLACE STEEL PLATING AND/OR HOT-MIX ASPHALT, AS REQUIRED BY THE CITY, TO PROTECT OPEN TRENCHES AT THE END OF EVERY WORK DAY.
11. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND SHEATHED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEATHING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL COMPLETE NECESSARY REPAIRS OR RECONSTRUCTION AT HIS OWN EXPENSE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH AND/OR STRUCTURE IS FIVE FEET (5') OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE SHEATHING, SHORING AND BRACING IN CONFORMANCE WITH THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL COMPLY WITH OSHA REQUIREMENTS.
12. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER, BKF ENGINEERS, AT (650) 482-6300 BEFORE PROCEEDING WITH THE WORK IN QUESTION.
13. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING PAVEMENT, ADJACENT LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALK, ETC. TO AVOID ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
14. CONTRACTOR SHALL POST 24-HOUR EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, POLICE DEPARTMENT AND FIRE DEPARTMENT ON SITE PRIOR TO START OF CONSTRUCTION.
15. THE CONTRACTOR IS RESPONSIBLE FOR THE CARE AND PROTECTION OF ADJOINING PREMISES, TREES, LANDSCAPING, UTILITIES, SIDEWALKS AND STREETS FROM DAMAGE BY HIS OPERATIONS. CONTRACTOR SHALL REPAIR, REPLACE OR CLEAN ANY PART OF THE ABOVE MENTIONED TO THE SATISFACTION OF THE OWNER, AT NO ADDITIONAL COST TO THE OWNER, AT HIS OR HER EXPENSE.
16. CONSTRUCTION MATERIALS, EQUIPMENT AND VEHICLES SHALL BE PROPERLY MAINTAINED AND MANAGED AT THE CONSTRUCTION SITE THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE PROJECT.
17. CONTRACTOR TO OBTAIN REQUIRED PERMITS FOR HAUL ROUTES PRIOR TO DEMOLITION AND CONSTRUCTION.
18. CONSTRUCTION STAKING FOR CURB, GUTTER, SIDEWALK, UTILITIES, AND GRADING, ETC. SHALL BE DONE BY A CIVIL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA.
19. THIS PROJECT MUST COMPLY WITH THE CITY'S CONSTRUCTION AND DEMOLITION ORDINANCE WITHIN CITY ROW.
20. IMPLEMENT CONSTRUCTION DUST CONTROL MEASURES TO REDUCE PARTICULATE GENERATION TO A LESS THAN SIGNIFICANT LEVEL. PROVIDE DUST CONTROL IN CONFORMANCE WITH BAY AREA AIR QUALITY MANAGEMENT DISTRICT MINIMUM REQUIREMENTS. IMPLEMENT THE FOLLOWING CONSTRUCTION PRACTICES EXCEPT WHEN IT IS RAINING:

    A. WATER ACTIVE EXTERIOR SOIL AREAS AT LEAST TWCE A DAY.

    B. COVER TRUCKS HAULING SOIL, SAND AND OTHER LOOSE MATERIAL OR PROVIDE 2 FEET OF FREEBOARD.

    C. PAVE, APPLY WATER THREE TIMES DAILY OR APPLY NON-TOXIC SOIL STABILIZER ON UNPAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS.

    D. SWEEP PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS DAILY.

    E. APPLY HYDROSEED OR NON-TOXIC SOIL STABILIZER TO INACTIVE CONSTRUCTION AREAS. CONTRACTOR TO SUBMIT PRODUCT INFORMATION TO CIVIL ENGINEER AND LANDSCAPE ARCHITECT FOR APPROVAL. IN SUBMITTAL, CONTRACTOR TO PROVIDE VERIFICATION THAT PROPOSED PRODUCTS AND SYSTEM CONFORM TO BAY AREA AIR QUALITY STANDARDS.

    F. ENCLOSE, COVER, WATER TWICE DAILY OR APPLY NON-TOXIC SOIL STABILIZER TO EXPOSED SOIL STOCKPILES.

    G. INSTALL SANDBAGS AND OTHER EROSION CONTROL MEASURES TO PREVENT SILT RUNOFF TO PUBLIC ROADWAYS.

    H. REPLANT VEGETATION IN DISTURBED AREAS AS QUICKLY AS POSSIBLE.
21. GEOTECHNICAL ENGINEER SHALL BE PRESENT AND PROVIDE RECOMMENDATIONS DURING CONSTRUCTION ACTIVITIES AND PRIOR TO PERMEABLE ASPHALT CONCRETE SECTION INSTALLATION.

II. EXISTING CONDITIONS

20. BASED ON AN TOPOGRAPHIC SURVEY, GRADES ENCOUNTERED ON-SITE MAY VARY FROM THOSE SHOWN. CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS AND CONDUCT INVESTIGATIONS AS REQUIRED TO VERIFY EXISTING CONDITIONS AT THE PROJECT SITE.
21. INFORMATION REGARDING EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES SHOWN ON THESE PLANS WAS TAKEN FROM RECORD DATA KNOWN TO THE ENGINEER AND IS NOT MEANT TO BE A FULL CATALOG OF EXISTING CONDITIONS. CONTRACTOR SHALL CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING SUBSURFACE IMPROVEMENTS AND UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, PRIOR TO THE COMMENCEMENT OF WORK. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS.
22. ELEVATIONS AND LOCATIONS OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION AFFECTING SAID LINES.
23. ITEMS DEMOLISHED ARE TO BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE LAWFULLY DISPOSED OF OFF-SITE AND IN CONFORMANCE WITH THE CITY OR COUNTY CONSTRUCTION AND DEMOLITION DEBRIS REUSE AND RECYCLING PROGRAM.
24. CONTRACTOR TO COORDINATE ABANDONMENT, REMOVAL, RELOCATION, AND/OR ADJUSTMENT TO GRADE OF EXISTING DRY UTILITIES WITH UTILITY OWNER AND JOINT TRENCH DESIGNER.
25. IF UNDERGROUND UTILITY FACILITIES (W, SD, SS, IRRIG, ETC) ARE DISCOVERED BUT NOT SHOWN ON THESE PLANS, NOTIFY THE OWNER'S REPRESENTATIVE BEFORE REMOVAL OF SAID MATERIAL.
26. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON AN EXISTING CONDITIONS PLAN PROVIDED BY RMW, ALONG WITH SUPPLEMENTAL SURVEY BY BKF ENGINEERS. THE SUPPLEMENTAL SURVEY IS BASED UPON SANTA CLARA VALLEY WATER DISTRICT BENCHMARK BM-180, ELEVATION 18.73, DATUM NAVD 88. CONDITIONS ENCOUNTERED ON SITE MAY VARY FROM THOSE SHOWN. REVIEW CONSTRUCTION DOCUMENTS AND CONDUCT INVESTIGATIONS TO UNDERSTAND AND VERIFY EXISTING CONDITIONS AT THE SITE.

III. UTILITIES

1. WATER VALVES OR OTHER FACILITIES OWNED BY THE COUNTY, CITY OF MENLO PARK OR OTHER UTILITY COMPANY SHALL NOT BE OPERATED FOR ANY PURPOSE BY THE CONTRACTOR. REQUIRED OPERATION WILL BE PERFORMED BY AUTHORIZED UTILITY OWNER PERSONNEL. THE CONTRACTOR SHALL NOTIFY THE UTILITY OWNER NOT LESS THAN FORTY-EIGHT (48) HOURS IN ADVANCE OF THE TIME THAT SUCH OPERATION IS REQUIRED.
2. PROVIDE THIRTY-SIX (36) INCHES MINIMUM COVER (MEASURED FROM ROADWAY SURFACE) OVER WATER MAINS. MAINTAIN A MINIMUM ONE FOOT VERTICAL CLEARANCE FROM UTILITIES TO WATER MAINS. MAINTAIN A MINIMUM TEN FOOT HORIZONTAL CLEARANCE FROM OUTSIDE DIAMETER OF PIPE BETWEEN WATER MAINS AND SANITARY SEWER AND A MINIMUM FOUR FOOT HORIZONTAL CLEARANCE FROM OTHER UTILITIES TO WATER MAINS.
3. ELECTRIC, GAS, TELEPHONE, CABLE, AND JOINT TRENCH WORK, SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY PROVIDER. CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY PROVIDER AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING SUCH WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PUBLIC WORKS DEPARTMENT IF EXISTING WATER, SEWER, GAS MAINS, OR SERVICES ARE DISTURBED OR DAMAGED.
4. CONTRACTOR SHALL PROTECT UTILITIES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION.
5. UTILITY BOXES AND LIDS IN VEHICULAR TRAVEL AREAS SHALL BE DESIGNED FOR H-20 LOADING.
6. THE PIPE LENGTHS SHOWN ARE FOR PURPOSES OF ENGINEERING CALCULATIONS AND ARE NOT INTENDED FOR BID QUANTITIES OR ORDERING OF MATERIALS.
7. EXISTING PG&E, AT&T, CABLE, AND FIBER OPTIC MANHOLES/VAULTS SHALL BE ADJUSTED TO GRADE BY THE UTILITY PROVIDER. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE APPROPRIATE UTILITY PROVIDER. OTHER UTILITY BOXES SHALL BE ADJUSTED TO FINISH GRADE BY THE CONTRACTOR.
8. CONSTRUCTION OF GRAVITY FLOWING SYSTEMS SHALL PROCEED FROM THE DOWNSTREAM CONNECTION TO THE UPSTREAM TERMINUS.
9. STORM DRAIN AND SANITARY SEWER UTILITY INSTALLATION AND MATERIALS SHALL CONFORM TO CITY OF MENLO PARK AND/OR COUNTY OF SAN MATEO STANDARD DETAILS AND SPECIFICATIONS, LATEST EDITION, UNLESS NOTED OTHERWISE PER THE PLANS.
10. WATER PROOF MANHOLES WITH RAM-NEK OR APPROVED EQUAL PRIOR TO BACKFILLING AROUND MANHOLE.
11. PROVIDE THRUST BLOCKS AT BENDS GREATER THAN 11-1/4 DEGREES AND AT CROSSES, TEES, WYES, CAPS, PLUGS VALVES AND HYDRANTS WITHIN CITY ROW IN ACCORDANCE WITH CITY OF MENLO PARK STANDARD SPECIFICATIONS AND DRAWINGS – LATEST EDITION, UNLESS NOTED OTHERWISE.
12. CONSTRUCT VERTICAL GRADE BREAKS AND HORIZONTAL DEFLECTIONS IN UNDERGROUND UTILITIES USING HIGH DEFLECTION COUPLINGS WITH A MAXIMUM TOTAL DEFLECTION OF 2 DEGREES PER COUPLING. DEFLECTION WILL NOT EXCEED 1/2 OF MANUFACTURER'S ALLOWABLE DEFLECTION.
13. HDPE PIPE DERIVES THEIR STRENGTH FROM THE COMPACTED BEDDING MATERIAL BELOW AND BESIDE THE PIPE HAUNCHES. CAREFULLY PLACE AND COMPACT PIPE BEDDING AND BACKFILL MATERIAL, AND ALSO THE INSERTION AND REMOVAL OF SHEET PILING ADJACENT TO IT. USE CAUTION WHEN OPERATING EQUIPMENT ON SUBGRADE NEAR PIPE INSTALLATIONS.
14. STORM DRAIN INLETS SHALL BE LABELED IN ACCORDANCE WITH THE CITY OF MENLO PARK'S STORM DRAIN INLET LABEL PROGRAM ("NO DUMPING FLOWS TO BAY").

IV. EARTHWORK AND GRADING

1. THE CONTRACTOR SHALL CLEAR AREAS DESIGNATED FOR SITE CLEARING ON THE DEMOLITION PLAN AND NOTES. STRIPPED TOPSOIL SHALL BE STOCKPILED AS NOTED ON THE DEMOLITION PLAN. REMAINING DEBRIS AND SOIL SHALL BE LAWFULLY DISPOSED OF OFF-SITE CONSISTENT WITH GENERAL REQUIREMENTS.
2. CONTRACTOR SHALL DEWATER AREAS COVERED WITH STANDING WATER PRIOR TO PLACING FILL OR GRADING. CONTRACTOR SHALL MAINTAIN WORK IN PROGRESS FREE OF STANDING WATER. WATER SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
3. CONTRACTOR SHALL CLEAR DEBRIS FROM AREAS OF EARTHWORK AND GRADING PRIOR TO PLACING FILL OR STARTING GRADING OPERATIONS. DO NOT CLEAR AREAS OUTSIDE LIMIT OF WORK.
4. COMPACTION BY FLOODING, PONDING OR JETTING WILL NOT BE PERMITTED.
5. THE GEOTECHNICAL ENGINEER SHALL REVIEW AND OBSERVE ALL EARTHWORK AND GRADING ACTIVITIES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT TITLED "GEOTECHNICAL INVESTIGATION REIMAGINE FLOOD PARK 215 BAY ROAD MENLO PARK, CALIFORNIA" BY CORNERSTONE EARTH GROUP DATED JUNE 27, 2022.
6. CONTRACTOR SHALL MAKE HIS OWN DETERMINATION OF EARTHWORK QUANTITIES.
7. REFER TO LANDSCAPE GRADING PLANS FOR GRADING, DEPTH OF FILL AND SOIL AMENDMENTS WITHIN THE PARK.
8. THE CONTRACTOR SHALL PERFORM THE FOLLOWING BEST MANAGEMENT PRACTICES:

    A. ALL EXPOSED SURFACES (E.G., PARKING AREAS, STAGING AREAS, SOIL PILES, GRADED AREAS AND UNPAVED ACCESS ROADS) SHALL BE WATERED TWO TIMES PER DAY.

    B. ALL HAUL TRUCKS TRANSPORTING SOIL, SAND OR OTHER LOOSE MATERIAL OFF-SITE SHALL BE COVERED.

    C. ALL VISIBLE MUD OR DIRT TRACK-OUT ONTO ADJACENT PUBLIC ROADS SHALL BE REMOVED USING WET POWER VACUUM STREET SWEEPERS AT LEAST ONCE PER DAY. THE USE OF DRY POWER SWEEPING IS PROHIBITED.

    D. ALL VEHICLE SPEEDS ON UNPAVED ROADS SHALL BE LIMITED TO 15 MPH.

    E. ALL ROADWAYS, DRIVEWAYS AND SIDEWALKS TO BE PAVED SHALL BE COMPLETED AS SOON AS POSSIBLE. BUILDING PADS SHALL BE LAID AS SOON AS POSSIBLE AFTER GRADING UNLESS SEEDING OR SOIL BINDERS ARE USED.

    F. IDLING TIMES SHALL BE MINIMIZED EITHER BY SHUTTING EQUIPMENT OFF WHEN NOT IN USE OR REDUCING THE MAXIMUM IDLING TIME TO FIVE MINUTES (AS REQUIRED BY THE CALIFORNIA AIRBORNE TOXICS CONTROL MEASURE TITLE 13, SECTION 2485, OF CALIFORNIA CODE OF REGULATIONS [CCR]). CLEAR SIGNAGE SHALL BE PROVIDED FOR CONSTRUCTION WORKERS AT ALL ACCESS POINTS.

    G. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED AND PROPERLY TUNED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. ALL EQUIPMENT SHALL BE CHECKED BY A CERTIFIED MECHANIC AND DETERMINED TO BE RUNNING IN PROPER CONDITION PRIOR TO OPERATION.

    H. POST A PUBLICLY VISIBLE SIGN WITH THE TELEPHONE NUMBER AND PERSON TO CONTACT AT THE LEAD AGENCY REGARDING DUST COMPLAINTS. THIS PERSON SHALL RESPOND AND TAKE CORRECTIVE ACTION WITHIN 48 HOURS. THE AIR DISTRICT'S PHONE NUMBER SHALL ALSO BE VISIBLE TO ENSURE COMPLIANCE WITH APPLICABLE REGULATIONS.

V. STORMWATER MANAGEMENT

1. POST CONSTRUCTION IMPERVIOUS AREAS TO BE TREATED AS REQUIRED BY THE BAY AREA MUNICIPAL REGIONAL STORMWATER PERMIT (MRP) PROVISION C.3.

VI. RECORD DRAWINGS

1. KEEP ACCURATE RECORD DRAWINGS SHOW THE FINAL LOCATION, ELEVATION, AND DESCRIPTION OF WORK.
2. PROVIDE THE LOCATION AND ELEVATION OF THE EXISTING IMPROVEMENTS ENCOUNTERED. CERTIFY THE "RED-LINED" AS-BUILT PLANS FOR THE PROJECT ON A SET OF CONSTRUCTION PLAN REPRODUCIBLE, AND DELIVER THE DRAWINGS TO THE OWNER'S REPRESENTATIVE.

VII. STATEMENT OF RESPONSIBILITY

1. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION\PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD BOTH DESIGN PROFESSIONAL AND THE CITY OF MENLO PARK HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF EITHER THE DESIGN PROFESSIONAL OR THE CITY OF MENLO PARK, RESPECTIVELY.

VIII. UNAUTHORIZED CHANGES AND USES

1. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

IX. DRAWING LANGUAGE

1. NOTES AND CALLOUTS ON DRAWINGS MAY USE IMPERATIVE LANGUAGE REQUIREMENTS EXPRESSED IMPERATIVELY ARE TO BE PERFORMED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3, EPOCH 2010.00, IN ACCORDANCE WITH CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES ARE BASED LOCALLY UPON FIELD-OBSERVED TIES RELATIVE TO STATIC GPS OBSERVATIONS MADE ON NGS ALUMINUM DISK "AA1871" DESIGNATED "HPGN D CA SAN ANTONIO". DISTANCES ARE GRID BASED. DIVIDE BY A COMBINED SCALE FACTOR OF 0.99994475 TO OBTAIN GROUND DISTANCES. VALUES SHOWN BELOW ARE FROM THE NGS DATASHEET FOR AA1871:

NORTHING: 1,947,025.66
EASTING: 6,101,392.17
(STATE PLANE COORDINATES, CALIFORNIA ZONE 3)

BENCHMARK

NGS ALUMINUM DISK "AA1871" DESIGNATED "HPGN D CA SAN ANTONIO"
ELEVATION = 435.3 FEET (NAVD88 ORTHOMETRIC HEIGHT; GPS OBS)

LEGEND

	PROPOSED	EXISTING
BOUNDARY LINE		
STORM DRAIN LINE		SD SD
STORM DRAIN PERFORATED PIPE		
SANITARY SEWER LINE	SS SS	SS SS
WATER LINE	W W	W W
FIRE WATER LINE	FW FW	
ELECTRICAL LINE		E E
COMMUNICATION LINE		COMM COMM
OVERHEAD LINE		OH OH
LIMIT OF WORK LINE		
STORM DRAIN MANHOLE		
STORM DRAIN DROP INLET		
STORM DRAIN CATCH BASIN		
STORM DRAIN CLEANOUT		
SANITARY SEWER CLEANOUT		
SANITARY SEWER MANHOLE		
FIRE HYDRANT		
WATER VALVE		
JOINT POLE		
SIGN		
TREE		

ABBREVIATIONS

SYMBOL	DESCRIPTION
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
AD	AREA DRAIN
BC	BEGIN CURVE
BDPL	BAY DIVISION PIPELINE
BLDG	BUILDING
BMP	BEST MANAGEMENT PRACTICES
BW	BACK OF WALK
CB	CATCH BASIN
C/L, CL	CENTERLINE
C&G	CURB AND GUTTER
CO	CLEANOUT
COMM	COMMUNICATIONS
CSP	CORRUGATED STEEL PIPE
DI	DROP INLET
DW	DOMESTIC WATER
DWS	DETECTABLE WARNING SURFACE
DWY	DRIVEWAY
(E), EX	EXISTING
EAS	EASEMENT
EB	ELECTRICAL BOX
EC	END CURVE
EL, ELEC	ELECTRICAL
EV	ELECTRICAL VAULT
EVA	EMERGENCY VEHICLE ACCESS
EX	EXISTING
FC	FACE OF CURB
FH	FIRE HYDRANT
FNC	FENCE
FS	FIRE SERVICE
FW	FIRE WATER
G	GAS
GB	GRADE BREAK
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
INV	INVERT ELEVATION
IRR	IRRIGATION
JB	JUNCTION BOX
JP	JOINT POLE
JT	JOINT TRENCH
L	LENGTH
LOW	LIMIT OF WORK
L/S, LS	LANDSCAPE
LP	LOW POINT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	SURVEY MONUMENT
NTS	NOT TO SCALE
PG&E	PACIFIC GAS & ELECTRIC
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PR	PROPOSED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PW	POTABLE WATER
R	RADIUS
RIM	RIM ELEVATION
R/W	RIGHT OF WAY
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RW	RECYCLED WATER
S/W, SW	SIDEWALK
SAP	SEE ARCHITECTURE PLANS
SB	SIGNAL BOX
SDCO	STORM DRAIN CLEANOUT
SD	STORM DRAIN
SDAD	STORM DRAIN AREA DRAIN
SDCB	STORM DRAIN CATCH BASIN
SDDI	STORM DRAIN DRAINAGE INLET
SDE	STORM DRAIN EASEMENT
SDJB	STORM DRAIN JUNCTION BOX
SDMH	STORM DRAIN MANHOLE
SFPUC	SAN FRANCISCO PUBLIC UTILITIES COMMISSION
SL	STREET LIGHT
SLP	SEE LANDSCAPE PLANS
SLB	STREET LIGHT BOX
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
SW	SIDEWALK
S.W.E.	SIDEWALK EASEMENT
TB	TELEPHONE BOX
TC	TOP OF CURB
TELE	TELEPHONE
TG	TOP OF GRATE
TW	TOP OF WALK
TYP	TYPICAL
UB	UTILITY BOX
UTIL	UTILITY
VC	VERTICAL CURB
VCP	VITRIFIED CLAY PIPE
VIF	VERIFY IN FIELD
W	WATER
WM	WATER MAIN
WV	WATER VALVE

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C10.5	DETAILS
C10.6	DETAILS

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REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES DALESSI No. 72339 CIVIL STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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	PHASE 1 - CD PROGRESS SET	09.30.22
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

GENERAL NOTES, LEGEND & ABBREVIATIONS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C1.0

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C1.0 NOTES.dwg
PLOT DATE: 11-07-23 PLOTTED BY: penc

CITY OF MENLO PARK GENERAL NOTES FOR OFF-SITE IMPROVEMENTS WITHIN CITY JURISDICTION

1. THIS PERMIT, REGARDLESS OF WHEN DATED, SHALL NOT BE IN EFFECT UNTIL THE APPLICANT HAS OBTAINED ALL LICENSES AND OTHER PERMITS REQUIRED BY LAW.
2. THIS PERMIT IS DECLARED NULL AND VOID IF WORK HAS NOT COMMENCED THREE (3) MONTHS AFTER THE DATE OF PERMIT ISSUANCE.
3. TRAFFIC CONTROL PLAN IS REQUIRED FOR WORK THAT WILL BLOCK PUBLIC RIGHT-OF-WAY. PLAN SHALL INCLUDE RE-ROUTING OF VEHICLES, BICYCLES AND PEDESTRIANS.
4. ANY DAMAGES TO EXISTING FACILITIES AND IMPROVEMENTS ABOVE GROUND OR BELOW GROUND, SHALL BE PROMPTLY REPAIRED OR REPLACED AT THE PERMITTEE'S EXPENSE, AND CLAIMS FOR DAMAGE TO CITY PROPERTY MUST BE PROMPTLY PAID.
5. APPLICANT IS RESPONSIBLE FOR DETERMINING EXACT LOCATIONS OR DEPTHS OF EXISTING UTILITIES OR OTHER FACILITIES. CALL UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600 A MINIMUM OF 48 HOURS PRIOR TO PERFORMING WORK.
6. APPLICANT CARRIES SUFFICIENT INSURANCE TO WORK IN THE PUBLIC RIGHT OF WAY, AND NAMES CITY OF MENLO PARK AS ADDITIONAL INSURED. APPLICANT AGREES TO KEEP INSURANCE ACTIVE FOR THE DURATION OF THE PROJECT.
7. ALL WORK SHALL COMPLY WITH THE CITY AND CALTRANS STANDARDS, INCLUDING TRAFFIC CONTROL.
8. STREET OPENING, SIDEWALK, CURB AND GUTTER, AND DRIVEWAY PERMITS. PERMITTEE SHALL NOTIFY THE PUBLIC WORKS INSPECTOR AT LEAST 24 HOURS PRIOR TO: BEGINNING WORK, INSPECTION REQUESTS, OR CONCRETE PLACEMENT. THE NUMBER AND TYPE OF INSPECTIONS REQUIRED, AND ANY TESTS THAT MAY BE REQUIRED WILL BE AS DIRECTED BY THE PUBLIC WORKS INSPECTOR. THE PUBLIC WORKS INSPECTOR MAY BE CONTACTED BY CALLING (650) 330-6740.
9. ALL TRENCH PLATES USED IN THE PUBLIC RIGHT OF WAY MUST HAVE A NON-SKID SURFACE.
10. CONSTRUCTION ACTIVITIES ARE RESTRICTED TO MONDAY THROUGH FRIDAY (CITY HOLIDAYS EXCEPTED) BETWEEN THE HOURS OF 8:00 AM AND 5:00 PM, UNLESS OTHERWISE APPROVED IN WRITING BY THE ENGINEERING SERVICES DIVISION.
11. A FAITHFUL PERFORMANCE BOND OR A CASH DEPOSIT IN AN AMOUNT EQUAL TO THE ESTIMATED COST OF THE PROPOSED WORK IS REQUIRED FOR CURB AND GUTTER, DRIVEWAY, OR STREET OPENING PERMITS
12. THIS GRANT OF PERMISSION DOES NOT CONSTITUTE A DEED OR GRANT OF EASEMENT BY THE CITY, IS NOT TRANSFERABLE OR ASSIGNABLE AND IS REVOCABLE AT ANY TIME AT THE WILL OF THE CITY.
13. THIS PERMIT DOES NOT AUTHORIZE TREE TRIMMING OR TREE REMOVAL.
14. THE TRAFFIC CONTROL PLAN AS ATTACHED MUST BE ADHERED TO AT ALL TIMES. NOTE THAT THE TRAFFIC CONTROL PLAN MAY HAVE RESTRICTED WORKING HOURS FOR WORKING IN THE PUBLIC RIGHT OF WAY, WHICH SUPERSEDES THE STANDARD ENCROACHMENT PERMIT WORKING HOURS.
15. THE USE OF CITY PROPERTY BY PERMITTEE SHALL BE LIMITED TO THE PURPOSES SET FORTH BY THIS PERMIT AND NO STRUCTURES OF ANY KIND, EXCEPT THOSE EXPRESSLY PERMITTED SHALL BE ERECTED OR PLACED THEREON.
16. DEBRIS BOXES/STORAGE CONTAINERS SHALL HAVE REFLECTORS SO THAT THEY CAN BE SEEN AT NIGHT. THIS PERMIT MUST BE TAPED TO THE OUTSIDE OF DEBRIS BOXES IN A VISIBLE LOCATION.
17. THIS PERMIT DOES NOT INCLUDE OVERNIGHT STREET PARKING FOR ANY VEHICLES. A SEPARATE PARKING PERMIT CAN BE OBTAINED FROM THE POLICE DEPARTMENT.
18. ALL STORMWATER BMP'S MUST BE IN PLACE BETWEEN OCTOBER 15TH AND APRIL 15TH, OR AS DIRECTED BY THE PUBLIC WORKS INSPECTOR.
19. ADDITIONAL CONDITIONS (IF ANY) ARE ATTACHED TO THIS PERMIT AND SHALL BE FOLLOWED ACCORDINGLY.

UTILITY NOTES

1. THIS PERMIT, REGARDLESS OF WHEN DATED, SHALL NOT BE IN EFFECT UNTIL THE APPLICANT HAS OBTAINED ALL LICENSES AND OTHER PERMITS REQUIRED BY LAW.
2. CONTRACTOR TO VERIFY ALL EXISTING INVERT ELEVATIONS, INCLUDING BUT NOT LIMITED TO STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO ANY SITE WORK. ALL WORK FOR STORM DRAIN AND SANITARY SEWER INSTALLATION SHALL BE AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UPSTREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY.
3. ALL WORK ON-SITE AND IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF MENLO PARK STANDARDS AND REQUIREMENTS.
4. GENERAL CONTRACTOR SHALL COORDINATE ALL UNDERGROUND UTILITIES. PROVIDE 6" MINIMUM BETWEEN PIPES CROSSING ELECTRICAL LINES HORIZONTALLY AND 12" MINIMUM BETWEEN PARALLEL PIPES CROSSING ELECTRICAL LINES.
5. FOR UTILITY MATERIALS AND TYPES, SEE PLAN.
6. WATER LINES SHALL BE 12" MINIMUM ABOVE SANITARY SEWER LINE AT ALL CROSSINGS.
7. CONTRACTOR TO VERIFY UTILITY CROSSING IN FIELD PRIOR TO START OF CONSTRUCTION.

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REDWOOD CITY, CA 94063

CONSULTANTS

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PROJECT NAME

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215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES D. BALLSUN
No. 72339
CIVIL
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PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

CITY STANDARD GENERAL NOTES

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C1.1

GRAPHIC SCALE

50 0 50 100

NOTES:

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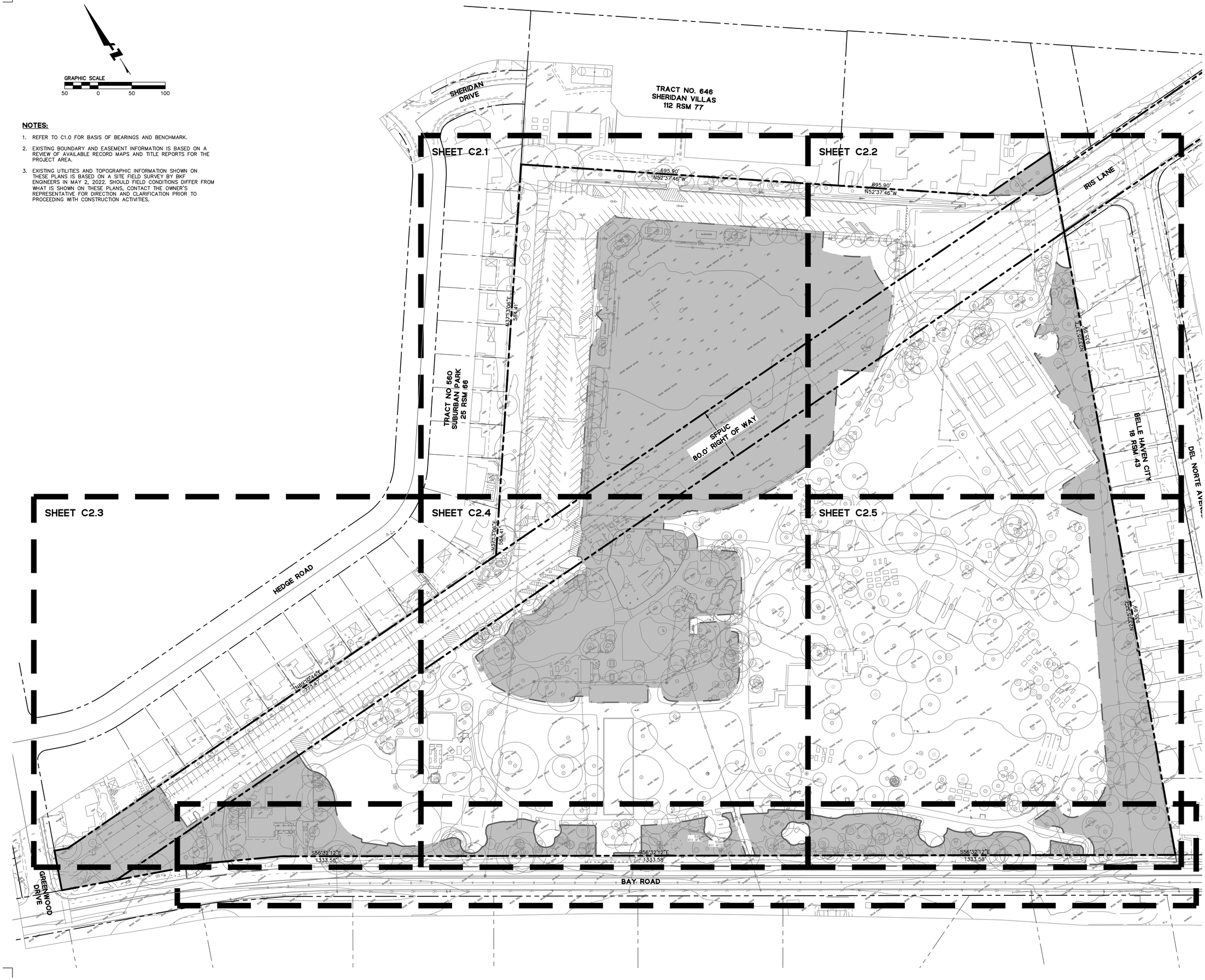

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EXISTING CONDITIONS PLAN

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C2.0

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C2.1

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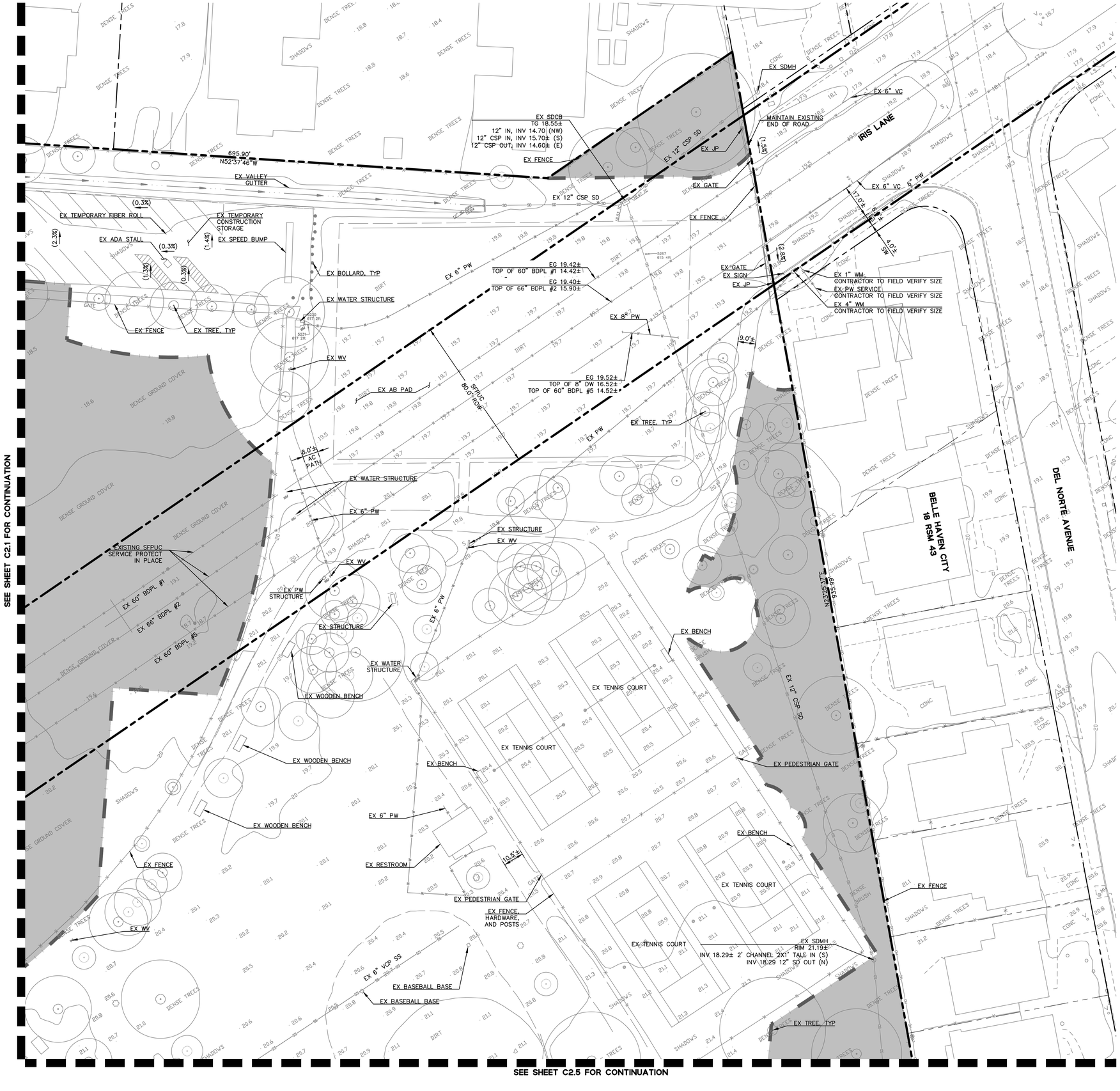

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COUNTY OF SAN MATEO - DPW STAMP

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SHEET TITLE

EXISTING CONDITIONS PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
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AS SHOWN	JW, JD

SHEET NUMBER

C2.2

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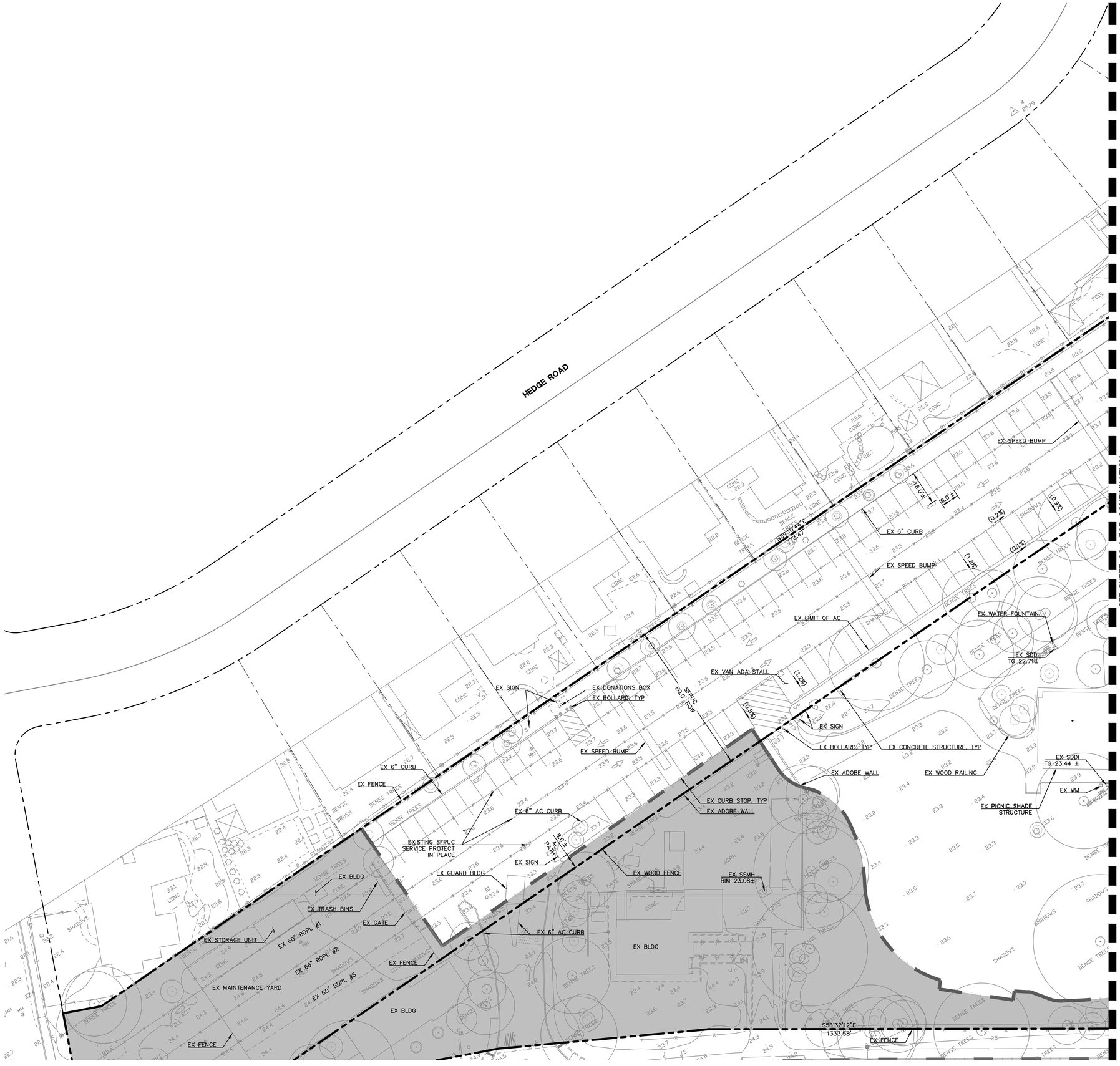

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11/07/2023

SHEET TITLE

EXISTING CONDITIONS PLAN

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AS SHOWN	JW, JD

SHEET NUMBER

C2.3

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SEE SHEET C2.1 FOR CONTINUATION

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SEE SHEET C2.5 FOR CONTINUATION

EX SSMH
RIM 21.28±
10" VCP IN, INV 13.11± (E)
10" VCP IN, INV 12.90± (S)
10" VCP OUT, INV 12.90± (N)

EG 20.98±
TOP OF 60" BDPL #1 17.28±

EG 21.28±
TOP OF 66" BDPL #2 18.48±

EG 21.39±
TOP OF 60" BDPL #5 16.39±

EX PEDESTRIAN GATE
EX SFPUC RISER
EX BFP
EX FENCE
EX WALL
EX ANODE
EX EB
EX BIKE RACK
EX CURB
EX WALLS, TOWER, AND MONUMENT SIGN
EX CAUTION WATER PIPELINE MARKER
EX SPEED BUMP
EX 6" CURB
EX ADA STALL
EX BOLLARD, TYP
EX SIGN
EX 6" VC
EX PLAYGROUND
EX UTILITY STRUCTURE
EX WV
EX WATER STRUCTURE
EX WV
EX 6" VCP SS
EX FENCE
EX ADA STALL
EX 6" CURB
EX WMH
EX WV
EX 60"BDPL #1
EX 66" BDPL #2
EX 60" BDPL #5
80.0' ROW
EXISTING SFPUC SERVICE PROTECT IN PLACE
EX VAN ADA STALL
EX SIGN
EX BOLLARD, TYP
EX CONCRETE STRUCTURE, TYP
EX ELECTRICAL BUILDING
EX WATER STRUCTURE
EX WV
EX ADOBE STORAGE BUILDING
EX SSMH
RIM 23.52±
6" THRU, INV 18.92± (E-NW)
UNK IN, INV UNK (NE)
EX 4" SS
EX RESTROOM
EX SSMH
RIM 23.59±
4" IN, INV 18.89± (SE)
4" OUT, INV 18.74± (W)
EX ADOBE ADMIN BLDG
BEAR SAFE TRASH RECEPTACLE
EX SIGN
EX VOLLEYBALL COURT
CONNECT TO EX SSMH
RIM 23.45±
4" IN, INV 19.78± 4" (E)
INV 16.98± CAPPED (E)
INV 16.98± CAPPED (W)
6" IN, INV 14.23± (W)
8" IN, INV 15.83 (S)
10" IN, INV 13.68± (SW)
10" OUT, INV 13.63± (NE)
EX 6" VCP SS
EX PICNIC SHADE STRUCTURE
EX IRR WV
EX SDDI
TG 23.28±
EX SINK
EX TABLES
EX OAK PICNIC AREA
EX SINK
EX WV
EX GRILLS & CONCRETE COUNTERS
EX ELEC SUPPLY
EX PLANTER
EX 10" VCP SS (WEST BAY)
EX VOLLEYBALL COURT
EX WATER STRUCTURE
EX CURB
EX ELEC SUPPLY
EX SDDI
TG 24.01 ±
EX HB
EX WV
EX FLAGPOLE
EX COMM BOX
EX SDDI
TG 24.69±
EX WATER STRUCTURE
EX WV
EX ADOBE WALL
S56°32'12"E
1333.58'
EX FENCE

GRAPHIC SCALE
20 0 20 40

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
3. EXISTING UTILITIES AND TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON A SITE FIELD SURVEY BY BKF ENGINEERS IN MAY 2022. SHOULD FIELD CONDITIONS DIFFER FROM WHAT IS SHOWN ON THESE PLANS, CONTACT THE OWNER'S REPRESENTATIVE FOR DIRECTION AND CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.

LEGEND:

LIMIT OF WORK

FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY

cmg
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415.495.3070
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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOS
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

EXISTING CONDITIONS PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

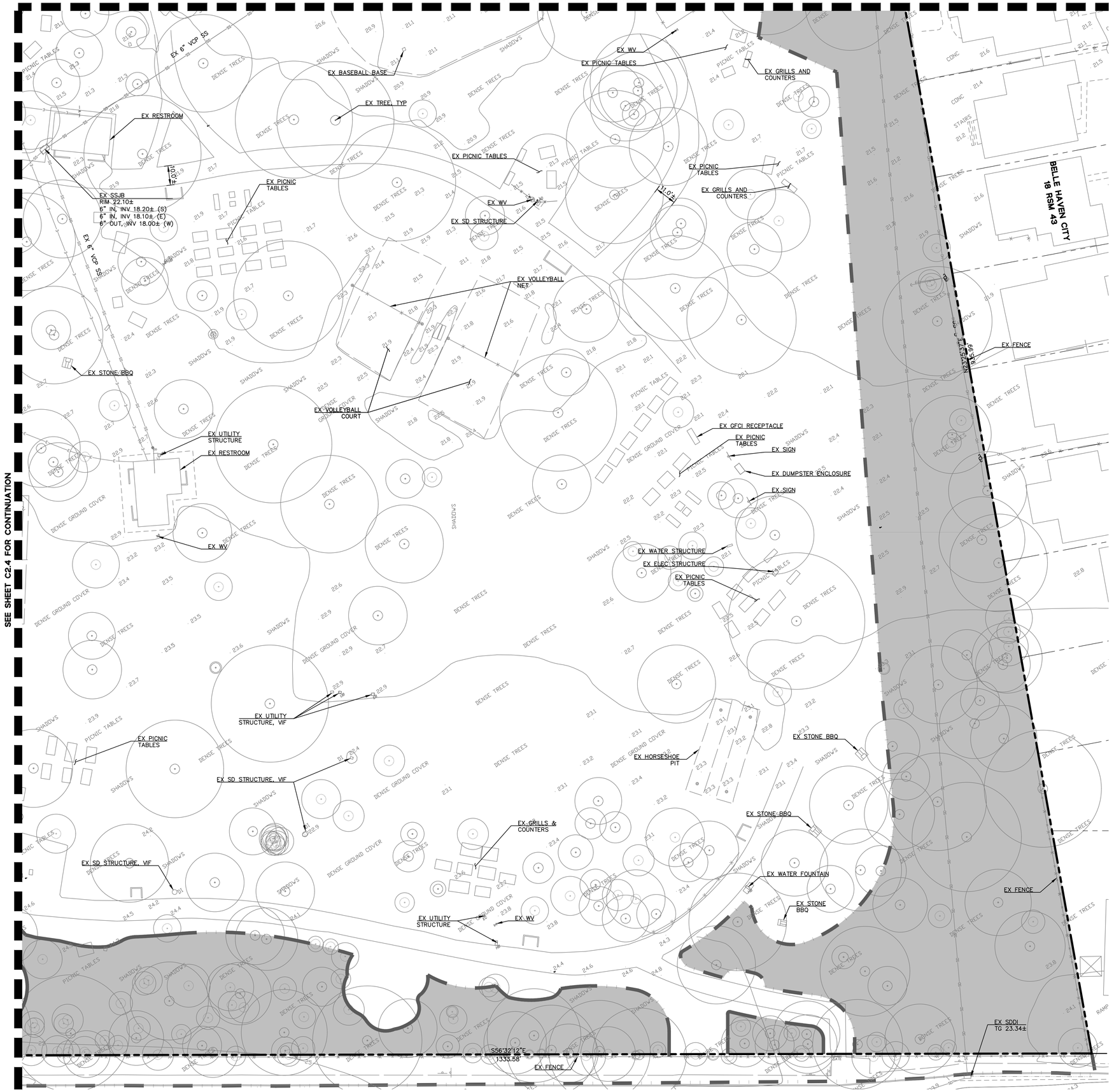
SHEET NUMBER

C2.4

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C2_0 EXCOND.dwg
PLOT DATE: 10-18-23 PLOTTED BY: penc

SEE SHEET C2.2 FOR CONTINUATION

SEE SHEET C2.4 FOR CONTINUATION



GRAPHIC SCALE

20 0 20 40

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
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LEGEND:

LIMIT OF WORK

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REDWOOD CITY, CA 94063

CONSULTANTS

BKF

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215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLSTREAM
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

EXISTING CONDITIONS PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C2.5

DRAWING NAME: \\BKF-RCVOL4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C2.0 EXCOND.dwg
PLOT DATE: 10-18-23
PLOTTED BY: penc

GRAPHIC SCALE

50 0 50 100

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
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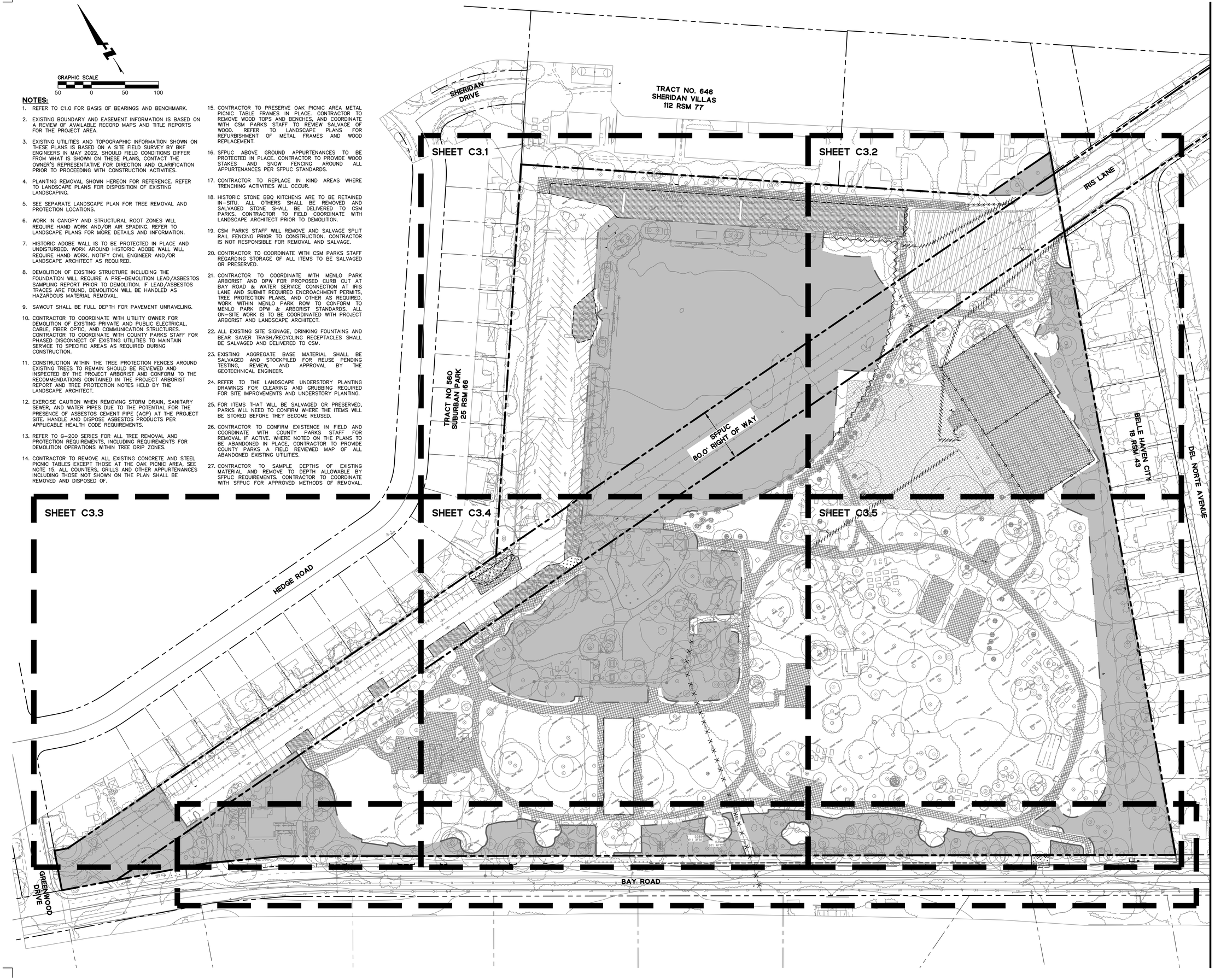
4. PLANTING REMOVAL SHOWN HEREON FOR REFERENCE. REFER TO LANDSCAPE PLANS FOR DISPOSITION OF EXISTING LANDSCAPING.
5. SEE SEPARATE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION LOCATIONS.
6. WORK IN CANOPY AND STRUCTURAL ROOT ZONES WILL REQUIRE HAND WORK AND/OR AIR SPADING. REFER TO LANDSCAPE PLANS FOR MORE DETAILS AND INFORMATION.
7. HISTORIC ADOBE WALL IS TO BE PROTECTED IN PLACE AND UNDISTURBED. WORK AROUND HISTORIC ADOBE WALL WILL REQUIRE HAND WORK. NOTIFY CIVIL ENGINEER AND/OR LANDSCAPE ARCHITECT AS REQUIRED.
8. DEMOLITION OF EXISTING STRUCTURE INCLUDING THE FOUNDATION WILL REQUIRE A PRE-DEMOLITION LEAD/ASBESTOS SAMPLING REPORT PRIOR TO DEMOLITION. IF LEAD/ASBESTOS TRACES ARE FOUND, DEMOLITION WILL BE HANDLED AS HAZARDOUS MATERIAL REMOVAL.
9. SAWCUT SHALL BE FULL DEPTH FOR PAVEMENT UNRAVELING.
10. CONTRACTOR TO COORDINATE WITH UTILITY OWNER FOR DEMOLITION OF EXISTING PRIVATE AND PUBLIC ELECTRICAL, CABLE, FIBER OPTIC, AND COMMUNICATION STRUCTURES. CONTRACTOR TO COORDINATE WITH COUNTY PARKS STAFF FOR PHASED DISCONNECT OF EXISTING UTILITIES TO MAINTAIN SERVICE TO SPECIFIC AREAS AS REQUIRED DURING CONSTRUCTION.
11. CONSTRUCTION WITHIN THE TREE PROTECTION FENCES AROUND EXISTING TREES TO REMAIN SHOULD BE REVIEWED AND INSPECTED BY THE PROJECT ARBORIST AND CONFORM TO THE RECOMMENDATIONS CONTAINED IN THE PROJECT ARBORIST REPORT AND TREE PROTECTION NOTES HELD BY THE LANDSCAPE ARCHITECT.
12. EXERCISE CAUTION WHEN REMOVING STORM DRAIN, SANITARY SEWER, AND WATER PIPES DUE TO THE POTENTIAL FOR THE PRESENCE OF ASBESTOS CEMENT PIPE (ACP) AT THE PROJECT SITE. HANDLE AND DISPOSE ASBESTOS PRODUCTS PER APPLICABLE HEALTH CODE REQUIREMENTS.
13. REFER TO G-200 SERIES FOR ALL TREE REMOVAL AND PROTECTION REQUIREMENTS, INCLUDING REQUIREMENTS FOR DEMOLITION OPERATIONS WITHIN TREE DRIP ZONES.
14. CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND STEEL PICNIC TABLES EXCEPT THOSE AT THE OAK PICNIC AREA, SEE NOTE 15. ALL COUNTERS, GRILLS AND OTHER APPURTENANCES INCLUDING THOSE NOT SHOWN ON THE PLAN SHALL BE REMOVED AND DISPOSED OF.
15. CONTRACTOR TO PRESERVE OAK PICNIC AREA METAL PICNIC TABLE FRAMES IN PLACE. CONTRACTOR TO REMOVE WOOD TOPS AND BENCHES, AND COORDINATE WITH CSM PARKS STAFF TO REVIEW SALVAGE OF WOOD. REFER TO LANDSCAPE PLANS FOR REFURBISHMENT OF METAL FRAMES AND WOOD REPLACEMENT.
16. SFPUC ABOVE GROUND APPURTENANCES TO BE PROTECTED IN PLACE. CONTRACTOR TO PROVIDE WOOD STAKES AND SNOW FENCING AROUND ALL APPURTENANCES PER SFPUC STANDARDS.
17. CONTRACTOR TO REPLACE IN KIND AREAS WHERE TRENCHING ACTIVITIES WILL OCCUR.
18. HISTORIC STONE BBQ KITCHENS ARE TO BE RETAINED IN-SITU. ALL OTHERS SHALL BE REMOVED AND SALVAGED STONE SHALL BE DELIVERED TO CSM PARKS. CONTRACTOR TO FIELD COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO DEMOLITION.
19. CSM PARKS STAFF WILL REMOVE AND SALVAGE SPLIT RAIL FENCING PRIOR TO CONSTRUCTION. CONTRACTOR IS NOT RESPONSIBLE FOR REMOVAL AND SALVAGE.
20. CONTRACTOR TO COORDINATE WITH CSM PARKS STAFF REGARDING STORAGE OF ALL ITEMS TO BE SALVAGED OR PRESERVED.
21. CONTRACTOR TO COORDINATE WITH MENLO PARK ARBORIST AND DPW FOR PROPOSED CURB CUT AT BAY ROAD & WATER SERVICE CONNECTION AT IRIS LANE AND SUBMIT REQUIRED ENCROACHMENT PERMITS, TREE PROTECTION PLANS, AND OTHER AS REQUIRED. WORK WITHIN MENLO PARK ROW TO CONFORM TO MENLO PARK DPW & ARBORIST STANDARDS. ALL ON-SITE WORK IS TO BE COORDINATED WITH PROJECT ARBORIST AND LANDSCAPE ARCHITECT.
22. ALL EXISTING SITE SIGNAGE, DRINKING FOUNTAINS AND BEAR SAVER TRASH/RECYCLING RECEPTACLES SHALL BE SALVAGED AND DELIVERED TO CSM.
23. EXISTING AGGREGATE BASE MATERIAL SHALL BE SALVAGED AND STOCKPILED FOR REUSE PENDING TESTING, REVIEW, AND APPROVAL BY THE GEOTECHNICAL ENGINEER.
24. REFER TO THE LANDSCAPE UNDERSTORY PLANTING DRAWINGS FOR CLEARING AND GRUBBING REQUIRED FOR SITE IMPROVEMENTS AND UNDERSTORY PLANTING.
25. FOR ITEMS THAT WILL BE SALVAGED OR PRESERVED, PARKS WILL NEED TO CONFIRM WHERE THE ITEMS WILL BE STORED BEFORE THEY BECOME REUSED.
26. CONTRACTOR TO CONFIRM EXISTENCE IN FIELD AND COORDINATE WITH COUNTY PARKS STAFF FOR REMOVAL IF ACTIVE. WHERE NOTED ON THE PLANS TO BE ABANDONED IN PLACE, CONTRACTOR TO PROVIDE COUNTY PARKS A FIELD REVIEWED MAP OF ALL ABANDONED EXISTING UTILITIES.
27. CONTRACTOR TO SAMPLE DEPTHS OF EXISTING MATERIAL AND REMOVE TO DEPTH ALLOWABLE BY SFPUC REQUIREMENTS. CONTRACTOR TO COORDINATE WITH SFPUC FOR APPROVED METHODS OF REMOVAL.



DRAWING NAME: \\BKF-SFCVOL4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C3.0 DEMO.dwg
PLOT DATE: 10-18-23 PLOTTED BY: ptc

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOS IV
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
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	PHASE 1 - 100% PS&E BID SET	04.28.23
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1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN WADER STILLMAN
C 47882
EXPIRES: 12/31/25
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

DEMOLITION PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C3.0



NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
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4. PLANTING REMOVAL SHOWN HEREON FOR REFERENCE. REFER TO LANDSCAPE PLANS FOR DISPOSITION OF EXISTING LANDSCAPING.
5. SEE SEPARATE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION LOCATIONS.
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10. CONTRACTOR TO COORDINATE WITH UTILITY OWNER FOR DEMOLITION OF EXISTING PRIVATE AND PUBLIC ELECTRICAL, CABLE, FIBER OPTIC, AND COMMUNICATION STRUCTURES. CONTRACTOR TO COORDINATE WITH COUNTY PARKS STAFF FOR PHASED DISCONNECT OF EXISTING UTILITIES TO MAINTAIN SERVICE TO SPECIFIC AREAS AS REQUIRED DURING CONSTRUCTION.
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13. REFER TO G-200 SERIES FOR ALL TREE REMOVAL AND PROTECTION REQUIREMENTS, INCLUDING REQUIREMENTS FOR DEMOLITION OPERATIONS WITHIN TREE DRIP ZONES.
14. CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND STEEL PICNIC TABLES. ALL COUNTERS, GRILLS AND OTHER APPURTENANCES INCLUDING THOSE NOT SHOWN ON THE PLANS SHALL BE REMOVED AND DISPOSED OF.
15. CONTRACTOR TO REMOVE OAK PICNIC AREA METAL PICNIC TABLE FRAMES, WOOD TOPS AND BENCHES, AND COORDINATE WITH CSM PARKS STAFF TO REVIEW SALVAGE OF WOOD AND METAL FRAMES.
16. SFPUC ABOVE GROUND APPURTENANCES TO BE PROTECTED IN PLACE. CONTRACTOR TO PROVIDE WOOD STAKES AND SNOW FENCING AROUND ALL APPURTENANCES PER SFPUC STANDARDS.
17. CONTRACTOR TO REPLACE IN KIND AREAS WHERE TRENCHING ACTIVITIES WILL OCCUR.
18. HISTORIC STONE BBQ KITCHENS ARE TO BE RETAINED IN-SITU. ALL OTHERS SHALL BE REMOVED AND SALVAGED STONE SHALL BE DELIVERED TO CSM PARKS. CONTRACTOR TO FIELD COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO DEMOLITION.
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27. CONTRACTOR TO SAMPLE DEPTHS OF EXISTING MATERIAL AND REMOVE TO DEPTH ALLOWABLE BY SFPUC REQUIREMENTS. CONTRACTOR TO COORDINATE WITH SFPUC FOR APPROVED METHODS OF REMOVAL. SEE LANDSCAPE UNDERSTORY PLANTING SCHEDULE FOR TOPSOIL REQUIREMENTS.
28. CONTRACTOR TO OBTAIN REQUIRED PERMITS FOR HAUL ROUTES PRIOR TO DEMOLITION AND CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE BAAQMD AIR QUALITY PERMIT.
29. CONTRACTOR TO COORDINATE WITH MENLO PARK MUNICIPAL WATER (MPMW) FOR WATER METER REMOVAL. CONTRACTOR TO REMOVE EXISTING VAULT ONCE MPMW HAS REMOVED THE WATER METER.
30. CONTRACTOR TO THOROUGHLY INVESTIGATE AND FIELD VERIFY EXISTING WATER SYSTEM FEED FROM IRIS LANE PRIOR TO DEMOLITION, AND COORDINATE WITH COUNTY PARKS STAFF FOR PHASED DISCONNECT TO MAINTAIN SERVICE TO SPECIFIC AREAS WITHIN THE PARK AS REQUIRED DURING CONSTRUCTION.

LEGEND:

- 1 — TO REMAIN/PROTECT IN PLACE
- 2 — TO BE DEMOLISHED AND REMOVED
- 3 — TO BE ABANDONED
- 4 — EXISTING PICNIC TABLES (SEE NOTES 14 & 15)
- 5 — TO BE REINSTALLED IN PLACE
- 6 — TO BE SALVAGED AND DELIVERED TO COUNTY PARKS
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY
- HARDSCAPE TO BE DEMOLISHED & REMOVED
- AB TO BE DEMOLISHED AND REMOVED
- AC GRIND AND OVERLAY
- CLEAR AND GRUB EXISTING LANDSCAPE, SLP PER NOTE 24
- CLEARING UNDER PROPOSED PAVING AND MULTI-USE FIELD. REMOVE AND DISPOSE OF 3-4 INCHES OF EXISTING VEGETATION, ORGANIC MATERIAL AND DEBRIS.
- LIMIT OF WORK
- SAWCUT LINE
- LIMIT OF GRIND & OVERLAY
- FENCE TO BE REMOVED
- FENCE TO BE DISASSEMBLED AND STOCKPILED AT MAINTENANCE YARD
- UTILITY TO BE ABANDONED
- UTILITY TO BE REMOVED
- CONCRETE CURB TO BE REMOVED
- EXISTING TREE, SLP FOR TREE DISPOSITION

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OWNER/CLIENT

SAN MATEO COUNTY
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CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOS
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

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NO.	ISSUE	DATE
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

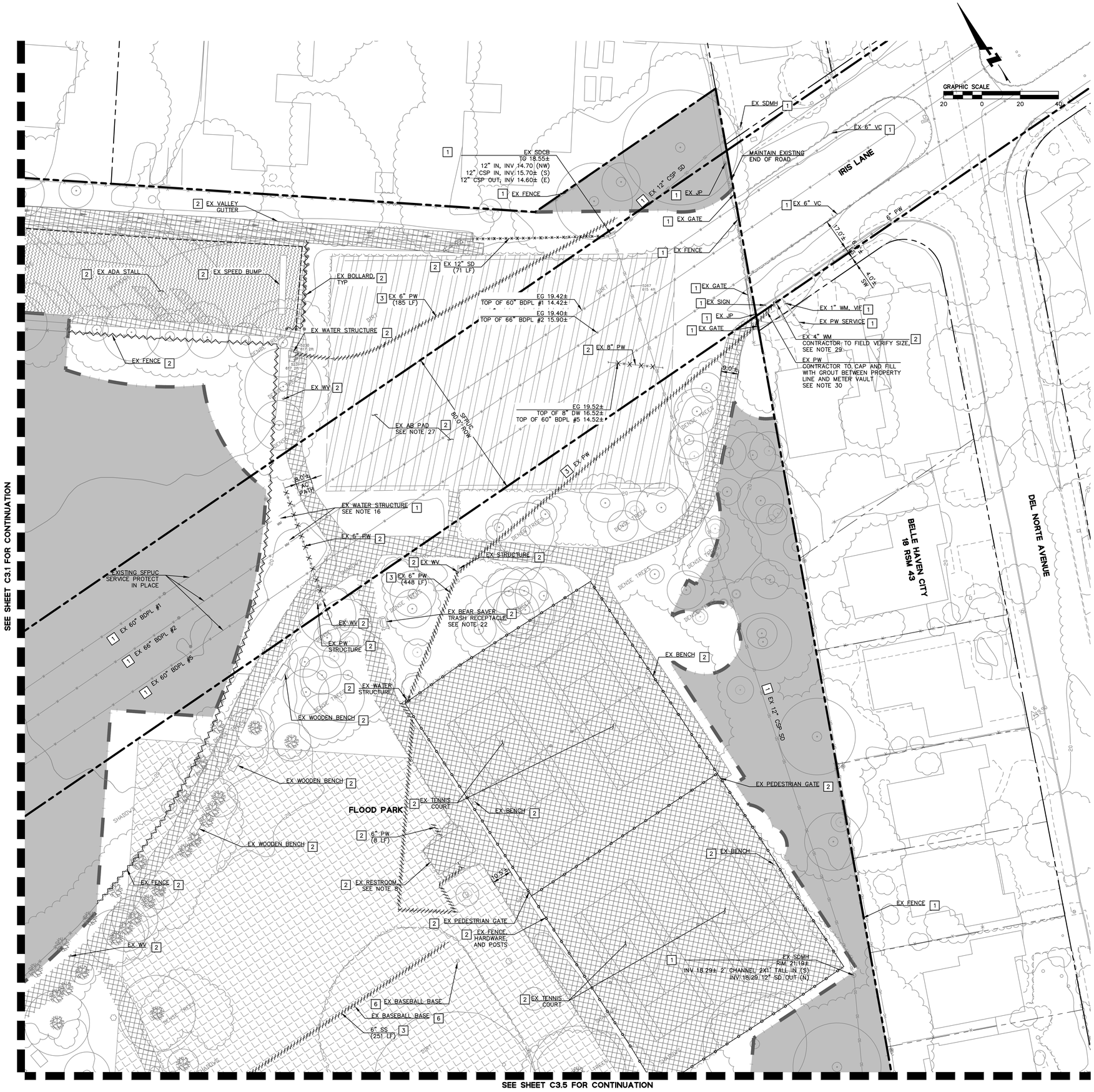
DEMOLITION PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C3.1

DRAWING NAME: \\BKF-RSV\Vol4\20210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C3.0 DEMO.dwg
PLOT DATE: 10-18-23 PLOTTED BY: gmc



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4. PLANTING REMOVAL SHOWN HEREON FOR REFERENCE. REFER TO LANDSCAPE PLANS FOR DISPOSITION OF EXISTING LANDSCAPING.
5. SEE SEPARATE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION LOCATIONS.
6. WORK IN CANOPY AND STRUCTURAL ROOT ZONES WILL REQUIRE HAND WORK AND/OR AIR SPADING. REFER TO LANDSCAPE PLANS FOR MORE DETAILS AND INFORMATION.
7. HISTORIC ADOBE WALL IS TO BE PROTECTED IN PLACE AND UNDISTURBED. WORK AROUND HISTORIC ADOBE WALL WILL REQUIRE HAND WORK. NOTIFY CIVIL ENGINEER AND/OR LANDSCAPE ARCHITECT AS REQUIRED.
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24. REFER TO THE LANDSCAPE UNDERSTORY PLANTING DRAWINGS FOR CLEARING AND GRUBBING REQUIRED FOR SITE IMPROVEMENTS AND UNDERSTORY PLANTING.
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- CONCRETE CURB TO BE REMOVED
- EXISTING TREE, SLP FOR TREE DISPOSITION

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OWNER/CLIENT

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455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES W. DALLESASSE No. 72339 CIVIL STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN WADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

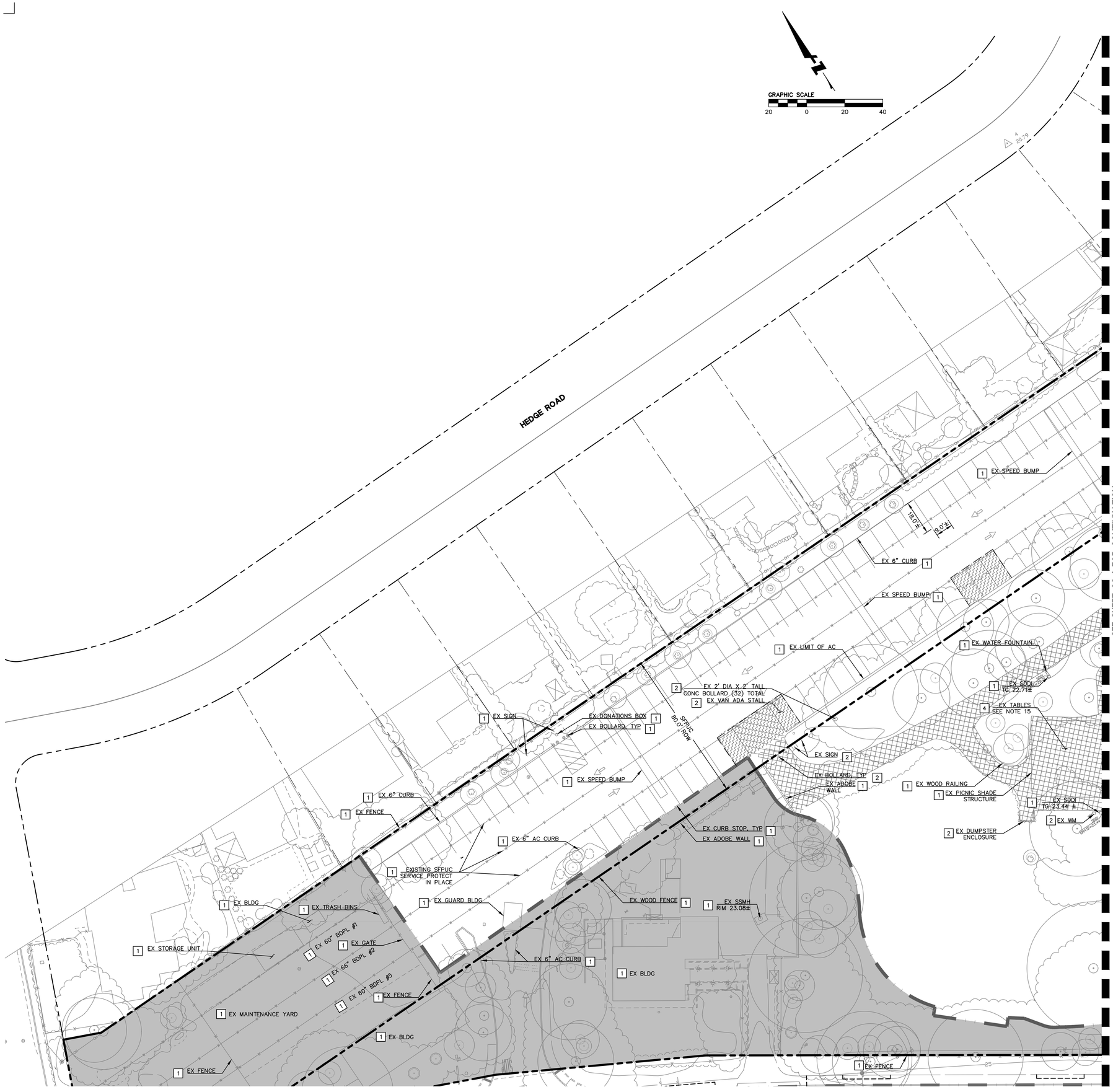
DEMOLITION PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C3.2

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C3.0 DEMO.dwg
PLOT DATE: 10-18-23 PLOTTED BY: penc



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OWNER/CLIENT

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CONSULTANTS

BKF

PROJECT NAME

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MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOSTA
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

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	PHASE 1 - CD PROGRESS SET	09.30.22
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	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
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1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

DEMOLITION PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C3.3

DRAWING NAME: \\BKF-RCVOL4\2021\210178_ReImagine_Flood_Park_Design\ENGV\CD\SHEETS\C3.0 DEMO.dwg
PLOT DATE: 10-18-23 PLOTTED BY: penc

SEE SHEET C3.1 FOR CONTINUATION

SEE SHEET C3.3 FOR CONTINUATION

SEE SHEET C3.5 FOR CONTINUATION

GRAPHIC SCALE
20 0 20 40

EX SSMH
RIM 21.26±
10" VCP IN, INV 13.11± (E)
10" VCP IN, INV 12.90± (S)
10" VCP OUT, INV 12.90± (N)

EG 20.98±
TOP OF 60" BDPL #1 17.28±

EG 21.28±
TOP OF 66" BDPL #2 18.48±

EG 21.39±
TOP OF 60" BDPL #5 16.39±

EX ANODE
EX SFPUC RISER
EX WALL
EX BFP
EX EB
EX BIKE RACK
EX CURB
EX PEDESTRIAN GATE
EX CAUTION WATER PIPELINE MARKER
EX SPEED BUMP
EX 6" CURB
EX ADA STALL
EX BOLLARD, TYP
END DEMO 6" VC
EX 10" VCP SS, ±0.3% (WEST BAY)
EX SIGN
EX 6" VC
EX WALLS, TOWER, AND MONUMENT SIGN
EX UTILITY STRUCTURE
EX WV
EX WATER STRUCTURE
EX 6" VCP SS
EX PLAYGROUND
BEGIN DEMO 6" VC (86 LF)
EX FENCE
EX 60"BDPL #4
50.0' SFPUC ROW
EX WMH
EX WVL
EX 66" BDPL #2
EX 60" BDPL #5
18.0'±
9.0'±
EXISTING SFPUC SERVICE PROTECT IN PLACE, SEE NOTE 15
EX VAN ADA STALL
EX 2' DIA X 2' TALL CONC BOLLARD (32) TOTAL
EX ELECTRICAL BUILDING
EX ADOBE STORAGE BUILDING
EX 4" SS
EX RESTROOM
EX SSMH
RIM 23.48±
4" IN, INV 19.78± 4" (E)
INV 16.98± CAPPED (E)
6" IN, INV 14.23± (W)
8" IN, INV 15.83 (S)
10" IN, INV 13.68± (SW)
10" OUT, INV 13.63± (NE)
EX SSMH
RIM 23.59±
4" IN, INV 18.89± (SE)
4" OUT, INV 18.74± (W)
EX SSMH
RIM 23.52±
INV 18.92± 6" VCP THRU (E–W)
EX ADOBE ADMIN BLDG
BEAR SAFE TRASH RECEPTACLE
EX SIGN
EX VOLLEYBALL COURT
EX TABLES SEE NOTE 15
EX PICNIC SHADE STRUCTURE
EX DUMPSTER ENCLOSURE
EX IRR WV
EX SDDI TG 23.28±
EX SINK
REFER TO LANDSCAPE MATERIALS PLAN
EX OAK PICNIC AREA
EX GRILLS & CONCRETE COUNTERS
EX ELEC SUPPLY
EX PLANTER
VOLLEYBALL POSTS
EX 10" VCP SS (WEST BAY)
EX GAS
EX WATER STRUCTURE
DEMO FLUSH CURB 380 LF
EX OH LINE
SEP FOR LIMIT OF DEMOLITION
EX FLAGPOLE
EX COMM BOX
EX SDDI TG 24.69±
EX ADOBE WALL
EX FENCE
EX PICNIC TABLES & GRILL
EX SDDI TG 24.01 ±
EX HB
DENSE TREES
DENSE GROUND COVER
SHADOWS
VOLLEYBALL COURT

DRAWING NAME: \\BKF-fs\VOL4\2021\21078_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C3.0 DEMO.dwg
PLOT DATE: 10-18-23 PLOTTED BY: gstc

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18. HISTORIC STONE BBQ KITCHENS ARE TO BE RETAINED IN-SITU. ALL OTHERS SHALL BE REMOVED AND SALVAGED STONE SHALL BE DELIVERED TO CSM PARKS. CONTRACTOR TO FIELD COORDINATE WITH LANDSCAPE ARCHITECT PRIOR TO DEMOLITION.
19. CSM PARKS STAFF WILL REMOVE AND SALVAGE SPLIT RAIL FENCING PRIOR TO CONSTRUCTION. CONTRACTOR IS NOT RESPONSIBLE FOR REMOVAL AND SALVAGE.
20. CONTRACTOR TO COORDINATE WITH CSM PARKS STAFF REGARDING STORAGE OF ALL ITEMS TO BE SALVAGED OR PRESERVED.
21. CONTRACTOR TO COORDINATE WITH MENLO PARK ARBORIST AND DPW FOR PROPOSED CURB CUT AT BAY ROAD & WATER SERVICE CONNECTION AT IRIS LANE AND SUBMIT REQUIRED ENCROACHMENT PERMITS, TREE PROTECTION PLANS, AND OTHER AS REQUIRED. WORK WITHIN MENLO PARK ROW TO CONFORM TO MENLO PARK DPW & ARBORIST STANDARDS. ALL ON-SITE WORK IS TO BE COORDINATED WITH PROJECT ARBORIST AND LANDSCAPE ARCHITECT.
22. ALL EXISTING SITE SIGNAGE, DRINKING FOUNTAINS AND BEAR SAVER TRACH/RECYCLING RECEPTACLES SHALL BE SALVAGED AND DELIVERED TO CSM.
23. EXISTING AGGREGATE BASE MATERIAL SHALL BE SALVAGED AND STOCKPILED FOR REUSE PENDING TESTING, REVIEW, AND APPROVAL BY THE GEOTECHNICAL ENGINEER.
24. REFER TO THE LANDSCAPE UNDERSTORY PLANTING DRAWINGS FOR CLEARING AND GRUBBING REQUIRED FOR SITE IMPROVEMENTS AND UNDERSTORY PLANTING.
25. FOR ITEMS THAT WILL BE SALVAGED OR PRESERVED, PARKS WILL NEED TO CONFIRM WHERE THE ITEMS WILL BE STORED BEFORE THEY BECOME REUSED.
26. CONTRACTOR TO CONFIRM EXISTENCE IN FIELD AND COORDINATE WITH COUNTY PARKS STAFF FOR REMOVAL IF ACTIVE. WHERE NOTED ON THE PLANS TO BE ABANDONED IN PLACE, CONTRACTOR TO PROVIDE COUNTY PARKS A FIELD REVIEWED MAP OF ALL ABANDONED EXISTING UTILITIES.
27. CONTRACTOR TO SAMPLE DEPTHS OF EXISTING MATERIAL AND REMOVE TO DEPTH ALLOWABLE BY SFPUC REQUIREMENTS. CONTRACTOR TO COORDINATE WITH SFPUC FOR APPROVED METHODS OF REMOVAL. SEE LANDSCAPE UNDERSTORY PLANTING SCHEDULE FOR TOPSOIL REQUIREMENTS.
28. CONTRACTOR TO OBTAIN REQUIRED PERMITS FOR HAUL ROUTES PRIOR TO DEMOLITION AND CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE BAAQMD AIR QUALITY PERMIT.
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LEGEND:

- 1 TO REMAIN/PROTECT IN PLACE
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- 3 TO BE ABANDONED
- 4 EXISTING PICNIC TABLES (SEE NOTES 14 & 15)
- 5 TO BE REINSTALLED IN PLACE
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- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY
- HARDSCAPE TO BE DEMOLISHED & REMOVED
- AB TO BE DEMOLISHED AND REMOVED
- AC GRIND AND OVERLAY
- CLEAR AND GRUB EXISTING LANDSCAPE, SLP PER NOTE 24
- CLEARING UNDER PROPOSED PAVING AND MULTI-USE FIELD. REMOVE AND DISPOSE OF 3-4 INCHES OF EXISTING VEGETATION, ORGANIC MATERIAL AND DEBRIS.
- LIMIT OF WORK
- SAWCUT LINE
- LIMIT OF GRIND & OVERLAY
- FENCE TO BE REMOVED
- FENCE TO BE DISASSEMBLED AND STOCKPILED AT MAINTENANCE YARD
- UTILITY TO BE ABANDONED
- UTILITY TO BE REMOVED
- CONCRETE CURB TO BE REMOVED
- EXISTING TREE, SLP FOR TREE DISPOSITION

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OWNER/CLIENT
SAN MATEO COUNTY
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455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS
BKF

PROJECT NAME
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215 BAY RD,
MENLO PARK, CA 94025

STAMP
REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOS
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE
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COUNTY OF SAN MATEO - DPW STAMP
REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA
11/07/2023

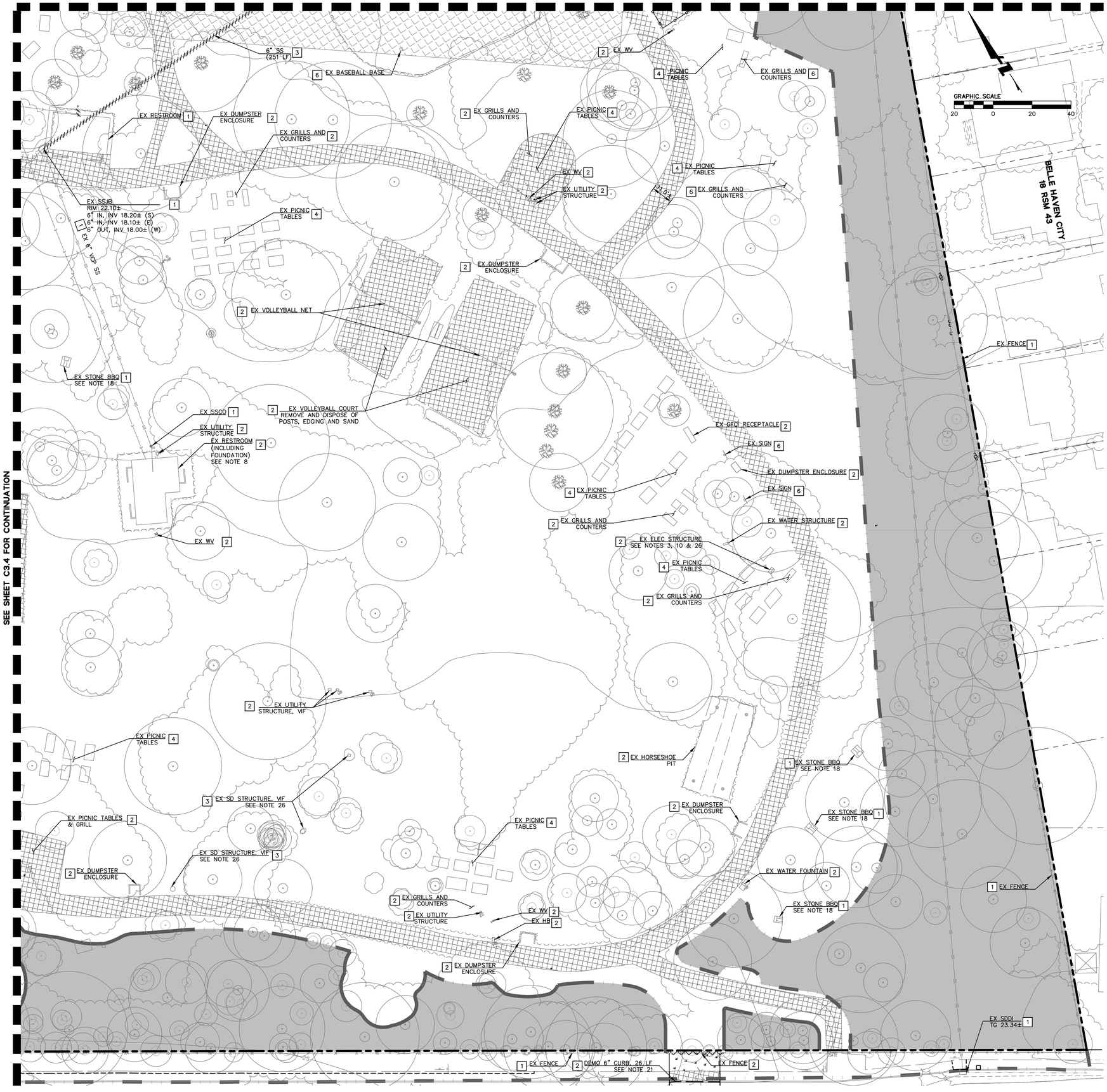
SHEET TITLE
DEMOLITION PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER
C3.4

SEE SHEET C3.2 FOR CONTINUATION

SEE SHEET C3.4 FOR CONTINUATION



NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
3. EXISTING UTILITIES AND TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON A SITE FIELD SURVEY BY BKF ENGINEERS IN MAY 2022 . SHOULD FIELD CONDITIONS DIFFER FROM WHAT IS SHOWN ON THESE PLANS, CONTACT THE OWNER'S REPRESENTATIVE FOR DIRECTION AND CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.
4. PLANTING REMOVAL SHOWN HEREON FOR REFERENCE. REFER TO LANDSCAPE PLANS FOR DISPOSITION OF EXISTING LANDSCAPING.
5. SEE SEPARATE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION LOCATIONS.
6. WORK IN CANOPY AND STRUCTURAL ROOT ZONES WILL REQUIRE HAND WORK AND/OR AIR SPADING. REFER TO LANDSCAPE PLANS FOR MORE DETAILS AND INFORMATION.
7. HISTORIC ADOBE WALL IS TO BE PROTECTED IN PLACE AND UNDISTURBED. WORK AROUND HISTORIC ADOBE WALL WILL REQUIRE HAND WORK. NOTIFY CIVIL ENGINEER AND/OR LANDSCAPE ARCHITECT AS REQUIRED.
8. DEMOLITION OF EXISTING STRUCTURE INCLUDING THE FOUNDATION WILL REQUIRE A PRE-DEMOLITION LEAD/ASBESTOS SAMPLING REPORT PRIOR TO DEMOLITION. IF LEAD/ASBESTOS TRACES ARE FOUND, DEMOLITION WILL BE HANDLED AS HAZARDOUS MATERIAL REMOVAL.
9. SAWCUT SHALL BE FULL DEPTH FOR PAVEMENT UNRAVELING.
10. CONTRACTOR TO COORDINATE WITH UTILITY OWNER FOR DEMOLITION OF EXISTING PRIVATE AND PUBLIC ELECTRICAL, CABLE, FIBER OPTIC, AND COMMUNICATION STRUCTURES. CONTRACTOR TO COORDINATE WITH COUNTY PARKS STAFF FOR PHASED DISCONNECT OF EXISTING UTILITIES TO MAINTAIN SERVICE TO SPECIFIC AREAS AS REQUIRED DURING CONSTRUCTION.
11. CONSTRUCTION WITHIN THE TREE PROTECTION FENCES AROUND EXISTING TREES TO REMAIN SHOULD BE REVIEWED AND INSPECTED BY THE PROJECT ARBORIST AND CONFORM TO THE RECOMMENDATIONS CONTAINED IN THE PROJECT ARBORIST REPORT AND TREE PROTECTION NOTES HELD BY THE LANDSCAPE ARCHITECT.
12. EXERCISE CAUTION WHEN REMOVING STORM DRAIN, SANITARY SEWER, AND WATER PIPES DUE TO THE POTENTIAL FOR THE PRESENCE OF ASBESTOS CEMENT PIPE (ACP) AT THE PROJECT SITE. HANDLE AND DISPOSE ASBESTOS PRODUCTS PER APPLICABLE HEALTH CODE REQUIREMENTS.
13. REFER TO G-200 SERIES FOR ALL TREE REMOVAL AND PROTECTION REQUIREMENTS, INCLUDING REQUIREMENTS FOR DEMOLITION OPERATIONS WITHIN TREE DRIP ZONES.
14. CONTRACTOR TO REMOVE ALL EXISTING CONCRETE AND STEEL PICNIC TABLES, ALL COUNTERS, GRILLS AND OTHER APPURTENANCES INCLUDING THOSE NOT SHOWN ON THE PLANS SHALL BE REMOVED AND DISPOSED OF.
15. CONTRACTOR TO REMOVE OAK PICNIC AREA METAL PICNIC TABLE FRAMES, WOOD TOPS AND BENCHES, AND COORDINATE WITH CSM PARKS STAFF TO REVIEW SALVAGE OF WOOD AND METAL FRAMES.
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- EXISTING TREE, SLP FOR TREE DISPOSITION

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OWNER/CLIENT

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REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES N. DALLOS No. 72339 CIVIL STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

DEMOLITION PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C3.5

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_Reimagine_Flood_Park_Design\ENGCD\SHEETS\C3.0 DEMO.dwg
PLOT DATE: 10-18-23 PLOTTED BY: penc

GRAPHIC SCALE

50 0 50 100

NOTES:

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4. SEE LANDSCAPE PLANS FOR PROPOSED PLANTING AND TREE LOCATIONS.
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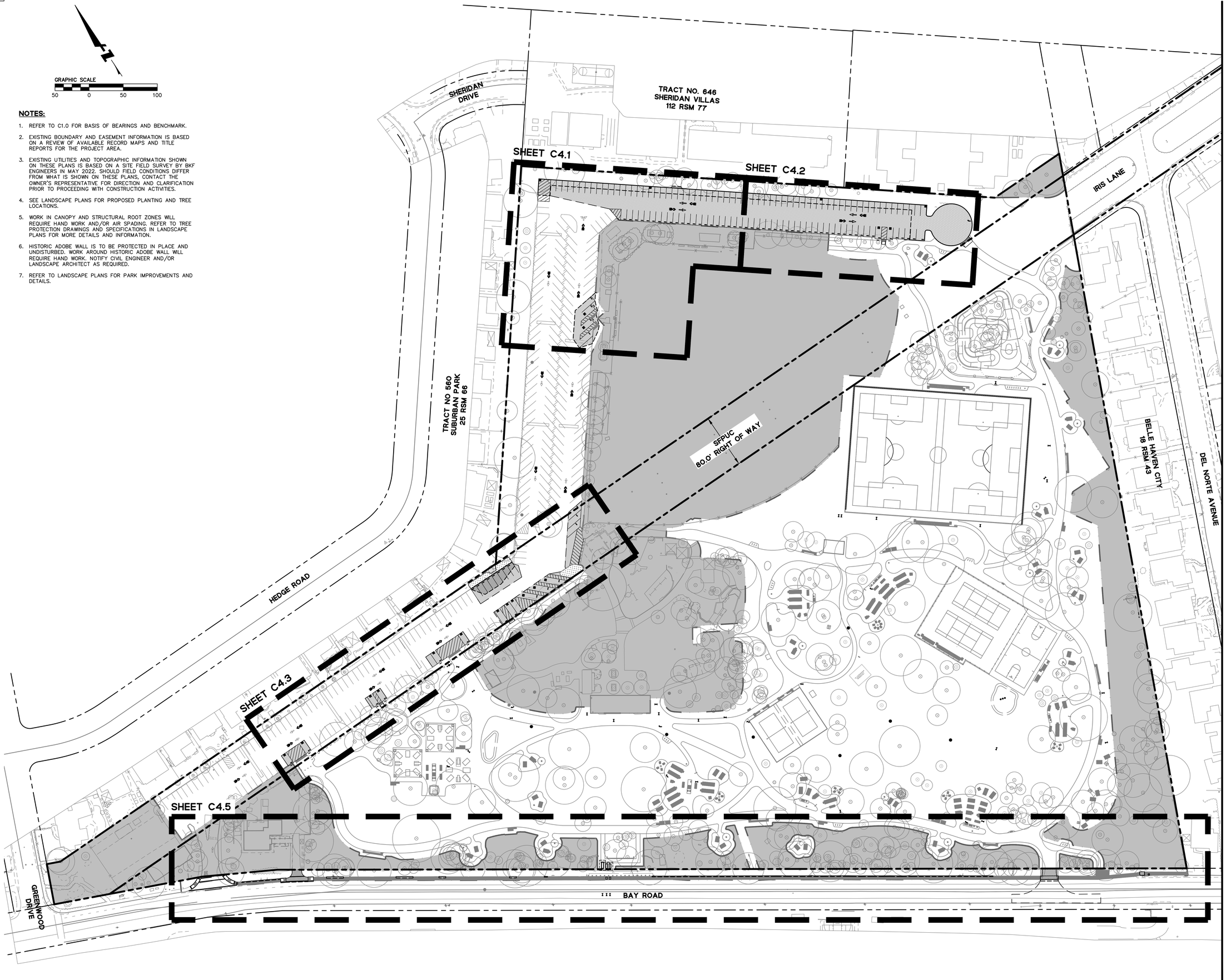
7. REFER TO LANDSCAPE PLANS FOR PARK IMPROVEMENTS AND DETAILS.



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OWNER/CLIENT

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REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

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215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALESSI JR.
No. 72339
CIVIL
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST.ILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

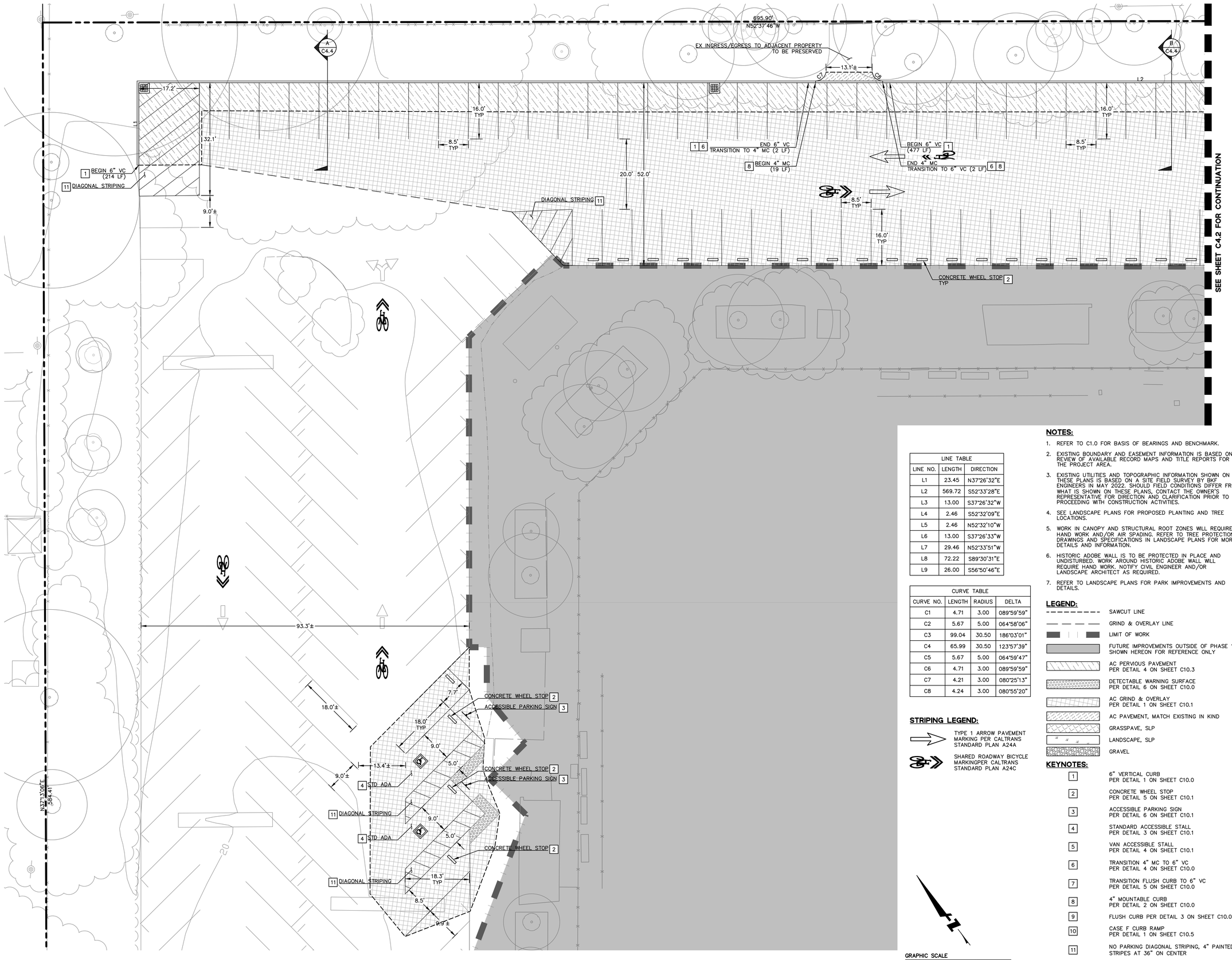
PARKING LOT IMPROVEMENTS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C4.0

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_Reimagine_Flood_Park_Design\ENGVCD\SHEETS\C4.0 HZCT.dwg
PLOT DATE: 10-20-23 PLOTTED BY: penc



LINE TABLE		
LINE NO.	LENGTH	DIRECTION
L1	23.45	N37°26'32"E
L2	569.72	S52°33'28"E
L3	13.00	S37°26'32"W
L4	2.46	S52°32'09"E
L5	2.46	N52°32'10"W
L6	13.00	S37°26'33"W
L7	29.46	N52°33'51"W
L8	72.22	S89°30'31"E
L9	26.00	S56°50'46"E

CURVE TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C1	4.71	3.00	089°59'59"
C2	5.67	5.00	064°58'06"
C3	99.04	30.50	186°03'01"
C4	65.99	30.50	123°57'39"
C5	5.67	5.00	064°59'47"
C6	4.71	3.00	089°59'59"
C7	4.21	3.00	080°25'13"
C8	4.24	3.00	080°55'20"

STRIPING LEGEND:

TYPE 1 ARROW PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24A

SHARED ROADWAY BICYCLE MARKINGPER CALTRANS STANDARD PLAN A24C

GRAPHIC SCALE
10 0 10 20

NOTES:

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7. REFER TO LANDSCAPE PLANS FOR PARK IMPROVEMENTS AND DETAILS.

LEGEND:

- SAWCUT LINE
- GRIND & OVERLAY LINE
- LIMIT OF WORK
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY
- AC PERVIOUS PAVEMENT PER DETAIL 4 ON SHEET C10.3
- DETECTABLE WARNING SURFACE PER DETAIL 6 ON SHEET C10.0
- AC GRIND & OVERLAY PER DETAIL 1 ON SHEET C10.1
- AC PAVEMENT, MATCH EXISTING IN KIND
- GRASSPAVE, SLP
- LANDSCAPE, SLP
- GRAVEL

KEYNOTES:

1. 6" VERTICAL CURB PER DETAIL 1 ON SHEET C10.0
2. CONCRETE WHEEL STOP PER DETAIL 5 ON SHEET C10.1
3. ACCESSIBLE PARKING SIGN PER DETAIL 6 ON SHEET C10.1
4. STANDARD ACCESSIBLE STALL PER DETAIL 3 ON SHEET C10.1
5. VAN ACCESSIBLE STALL PER DETAIL 4 ON SHEET C10.1
6. TRANSITION 4" MC TO 6" VC PER DETAIL 4 ON SHEET C10.0
7. TRANSITION FLUSH CURB TO 6" VC PER DETAIL 5 ON SHEET C10.0
8. 4" MOUNTABLE CURB PER DETAIL 2 ON SHEET C10.0
9. FLUSH CURB PER DETAIL 3 ON SHEET C10.0
10. CASE F CURB RAMP PER DETAIL 1 ON SHEET C10.5
11. NO PARKING DIAGONAL STRIPING, 4" PAINTED WHITE STRIPES AT 36" ON CENTER
12. 6" VERTICAL CURB (CALTRANS TYPE B1) PER DETAIL 3 ON SHEET C10.5
13. CURB CUT PER DETAIL 7 ON SHEET C10.0
14. SELF-RETAINING AREA PER DETAIL 8 ON SHEET C10.0

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

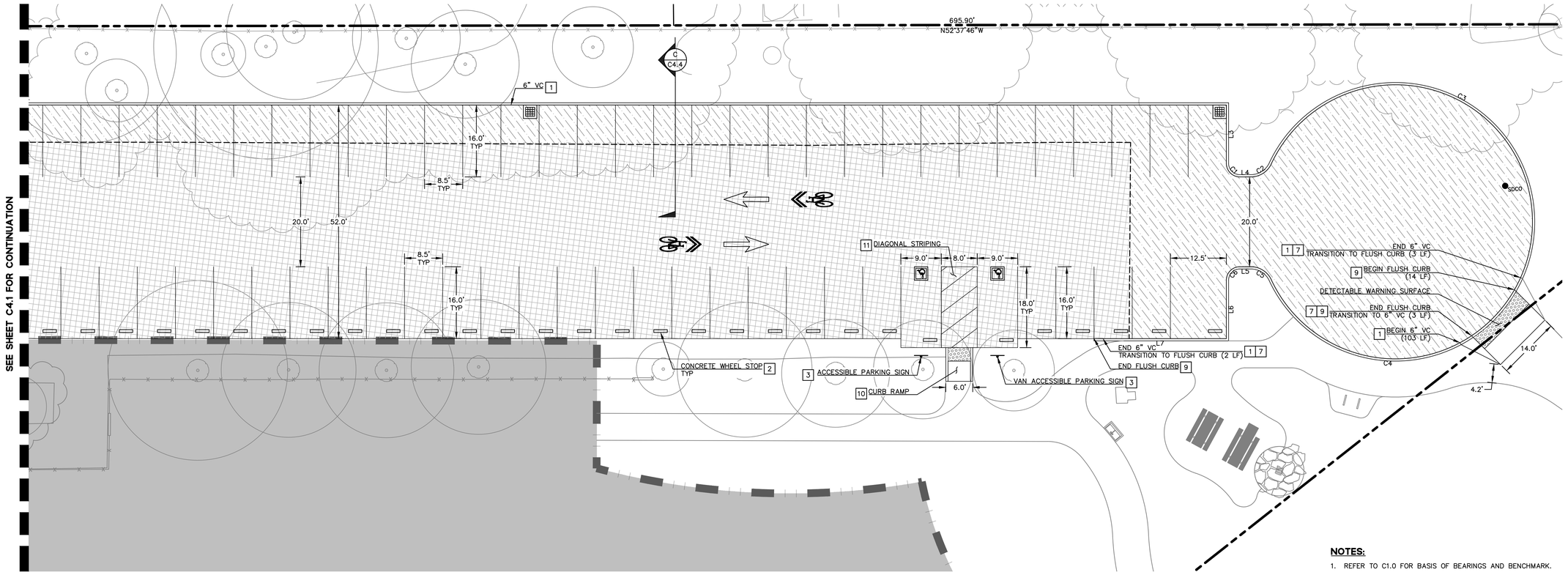
PARKING LOT IMPROVEMENTS

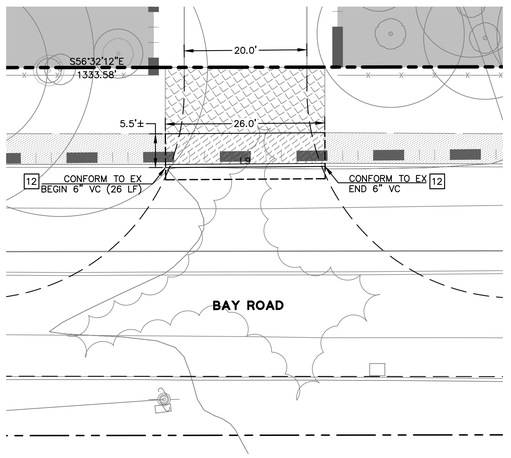
PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C4.1

DRAWING NAME: \\Bk1-rc\Vol4\2021\20178_ReImagine_Flood_Park_Design\ENG\CD\SHEETS\C4.0 HZCT.dwg
PLOT DATE: 10-20-23 PLOTTED BY: penc





DETAIL A – BAY ROAD ACCESS
SCALE: 1"=10'

GRAPHIC SCALE
10 0 10 20

LINE TABLE		
LINE NO.	LENGTH	DIRECTION
L1	23.45	N37°26'32"E
L2	569.72	S52°33'28"E
L3	13.00	S37°26'32"W
L4	2.46	S52°32'09"E
L5	2.46	N52°32'10"W
L6	13.00	S37°26'33"W
L7	29.46	N52°33'51"W
L8	72.22	S89°30'31"E
L9	26.00	S56°50'46"E

CURVE TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C1	4.71	3.00	089°59'59"
C2	5.67	5.00	064°58'06"
C3	99.04	30.50	186°03'01"
C4	65.99	30.50	123°57'39"
C5	5.67	5.00	064°59'47"
C6	4.71	3.00	089°59'59"
C7	4.21	3.00	080°25'13"
C8	4.24	3.00	080°55'20"

STRIPING LEGEND:

TYPE 1 ARROW PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24A

SHARED ROADWAY BICYCLE MARKINGPER CALTRANS STANDARD PLAN A24C

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
3. EXISTING UTILITIES AND TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON A SITE FIELD SURVEY BY BKF ENGINEERS IN MAY 2022. SHOULD FIELD CONDITIONS DIFFER FROM WHAT IS SHOWN ON THESE PLANS, CONTACT THE OWNER'S REPRESENTATIVE FOR DIRECTION AND CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.
4. SEE LANDSCAPE PLANS FOR PROPOSED PLANTING AND TREE LOCATIONS.
5. WORK IN CANOPY AND STRUCTURAL ROOT ZONES WILL REQUIRE HAND WORK AND/OR AIR SPADING. REFER TO TREE PROTECTION DRAWINGS AND SPECIFICATIONS IN LANDSCAPE PLANS FOR MORE DETAILS AND INFORMATION.
6. HISTORIC ADOBE WALL IS TO BE PROTECTED IN PLACE AND UNDISTURBED. WORK AROUND HISTORIC ADOBE WALL WILL REQUIRE HAND WORK. NOTIFY CIVIL ENGINEER AND/OR LANDSCAPE ARCHITECT AS REQUIRED.
7. REFER TO LANDSCAPE PLANS FOR PARK IMPROVEMENTS AND DETAILS.

LEGEND:

- SAWCUT LINE
- GRIND & OVERLAY LINE
- LIMIT OF WORK
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY
- AC PERVIOUS PAVEMENT PER DETAIL 4 ON SHEET C10.3
- DETECTABLE WARNING SURFACE PER DETAIL 6 ON SHEET C10.0
- AC GRIND & OVERLAY PER DETAIL 1 ON SHEET C10.1
- AC PAVEMENT, MATCH EXISTING IN KIND
- GRASSPAVE, SLP
- LANDSCAPE, SLP
- GRAVEL

KEYNOTES:

1. 6" VERTICAL CURB PER DETAIL 1 ON SHEET C10.0
2. CONCRETE WHEEL STOP PER DETAIL 5 ON SHEET C10.1
3. ACCESSIBLE PARKING SIGN PER DETAIL 6 ON SHEET C10.1
4. STANDARD ACCESSIBLE STALL PER DETAIL 3 ON SHEET C10.1
5. VAN ACCESSIBLE STALL PER DETAIL 4 ON SHEET C10.1
6. TRANSITION 4" MC TO 6" VC PER DETAIL 4 ON SHEET C10.0
7. TRANSITION FLUSH CURB TO 6" VC PER DETAIL 5 ON SHEET C10.0
8. 4" MOUNTABLE CURB PER DETAIL 2 ON SHEET C10.0
9. FLUSH CURB PER DETAIL 3 ON SHEET C10.0
10. CASE F CURB RAMP PER DETAIL 1 ON SHEET C10.5
11. NO PARKING DIAGONAL STRIPING, 4" PAINTED WHITE STRIPES AT 36" ON CENTER
12. 6" VERTICAL CURB (CALTRANS TYPE B1) PER DETAIL 3 ON SHEET C10.5
13. CURB CUT PER DETAIL 7 ON SHEET C10.0
14. SELF-RETAINING AREA PER DETAIL 8 ON SHEET C10.0

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www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLESTA
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

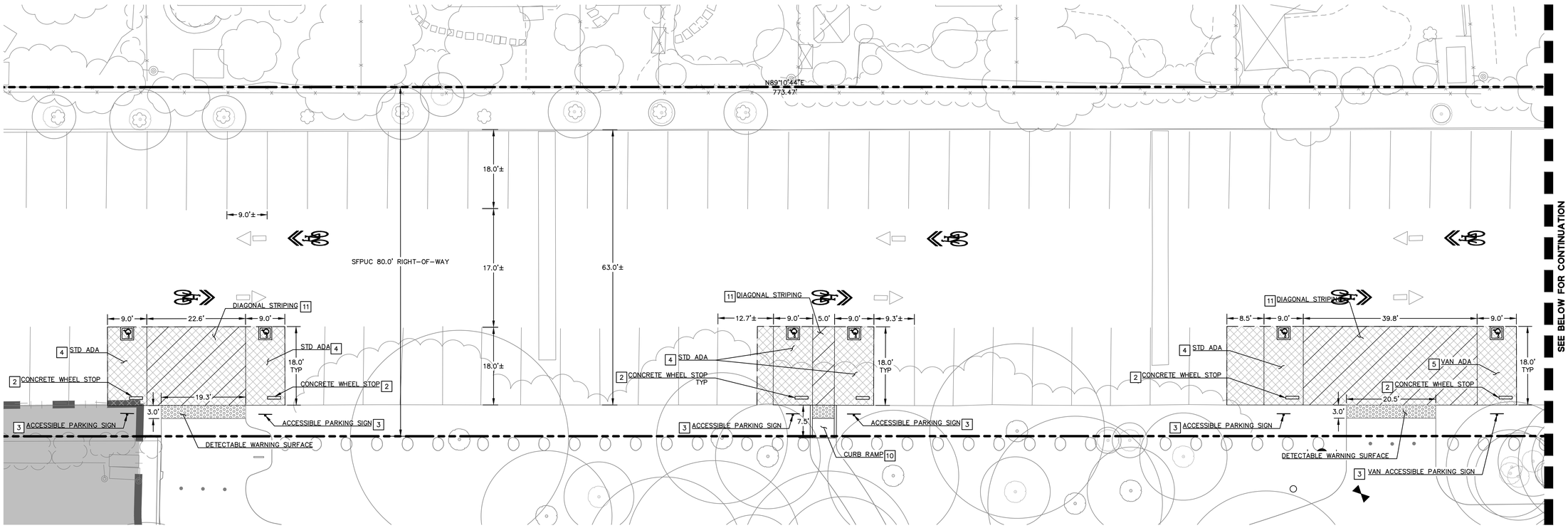
PARKING LOT IMPROVEMENTS

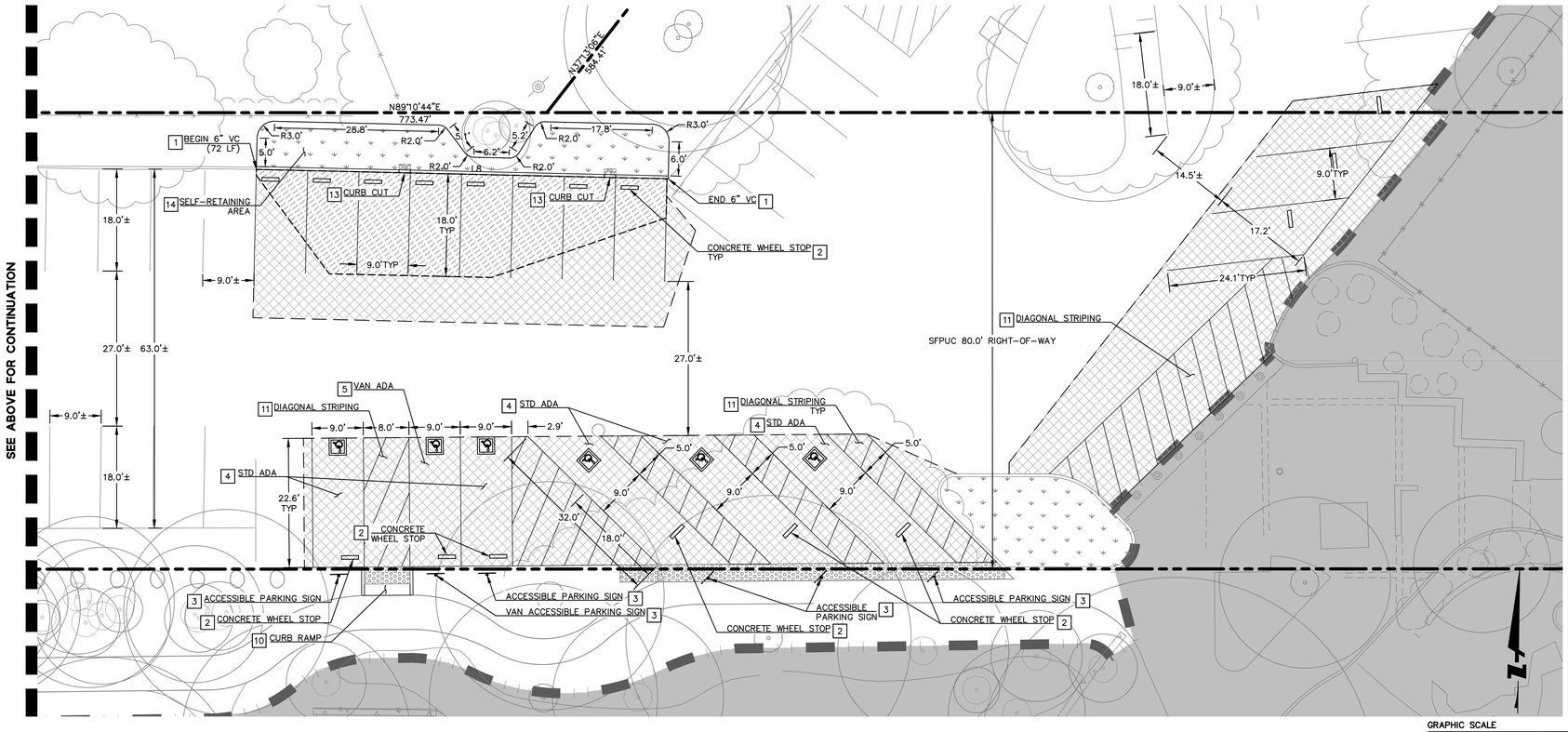
PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C4.2

DRAWING NAME: \\Bkf-rc\vol4\2021\210178_ReImagine_Flood_Park_Design\ENG\CD\SHEETS\C4.0 HZCT.dwg
PLOT DATE: 10-20-23
PLOTTED BY: penc





STRIPING LEGEND:

TYPE 1 ARROW PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24A

SHARED ROADWAY BICYCLE MARKINGPER CALTRANS STANDARD PLAN A24C

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
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7. REFER TO LANDSCAPE PLANS FOR PARK IMPROVEMENTS AND DETAILS.

LEGEND:

- SAWCUT LINE
- GRIND & OVERLAY LINE
- LIMIT OF WORK
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY
- AC PERVIOUS PAVEMENT PER DETAIL 4 ON SHEET C10.3
- DETECTABLE WARNING SURFACE PER DETAIL 6 ON SHEET C10.0
- AC GRIND & OVERLAY PER DETAIL 1 ON SHEET C10.1
- AC PAVEMENT, MATCH EXISTING IN KIND
- GRASSPAVE, SLP
- LANDSCAPE, SLP
- GRAVEL

KEYNOTES:

1. 6" VERTICAL CURB PER DETAIL 1 ON SHEET C10.0
2. CONCRETE WHEEL STOP PER DETAIL 5 ON SHEET C10.1
3. ACCESSIBLE PARKING SIGN PER DETAIL 6 ON SHEET C10.1
4. STANDARD ACCESSIBLE STALL PER DETAIL 3 ON SHEET C10.1
5. VAN ACCESSIBLE STALL PER DETAIL 4 ON SHEET C10.1
6. TRANSITION 4" MC TO 6" VC PER DETAIL 4 ON SHEET C10.0
7. TRANSITION FLUSH CURB TO 6" VC PER DETAIL 5 ON SHEET C10.0
8. 4" MOUNTABLE CURB PER DETAIL 2 ON SHEET C10.0
9. FLUSH CURB PER DETAIL 3 ON SHEET C10.0
10. CASE F CURB RAMP PER DETAIL 1 ON SHEET C10.5
11. NO PARKING DIAGONAL STRIPING, 4" PAINTED WHITE STRIPES AT 36" ON CENTER
12. 6" VERTICAL CURB (CALTRANS TYPE B1) PER DETAIL 3 ON SHEET C10.5
13. CURB CUT PER DETAIL 7 ON SHEET C10.0
14. SELF-RETAINING AREA PER DETAIL 8 ON SHEET C10.0

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES W. DALLESTRO No. 72339 CIVIL STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER ST.LLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

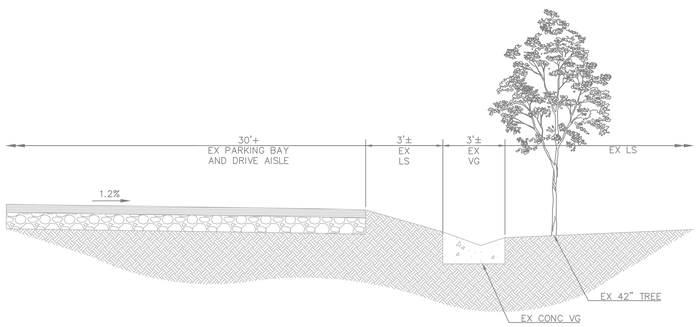
PARKING LOT IMPROVEMENTS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C4.3

DRAWING NAME: \\Bk1-rc\Vol4\2021\20178_ReImagine_Flood_Park_Design\ENG\CD\SHEETS\C4.0 HZCT.dwg
PLOT DATE: 10-20-23 PLOTTED BY: penc



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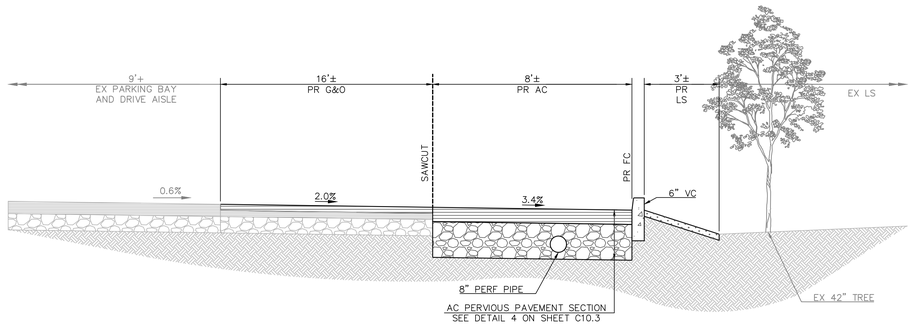

PROPOSED SECTION

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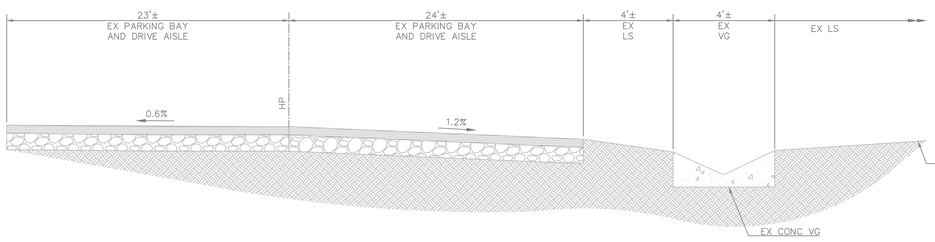

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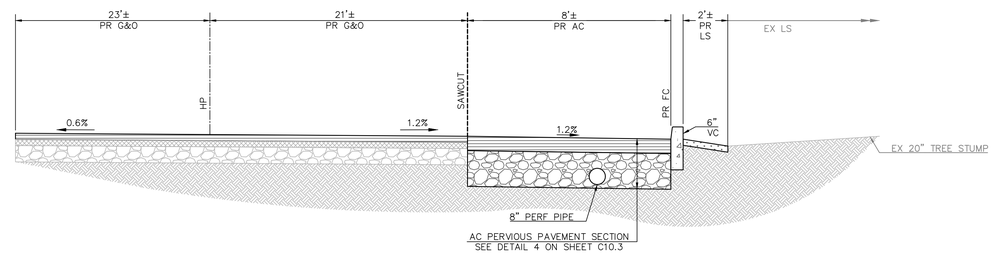

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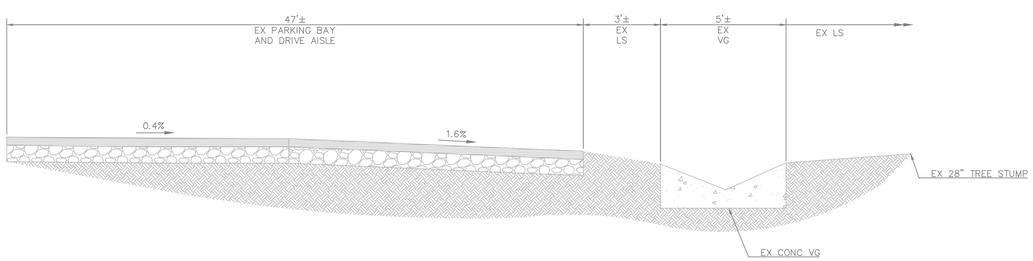

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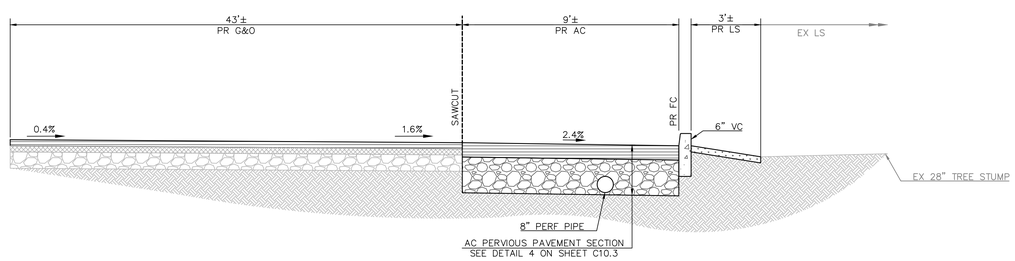

PROPOSED SECTION

C — SECTION C
NTS

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PLOT DATE: 10-18-23 PLOTTED BY: penc

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLESTRA
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN WADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

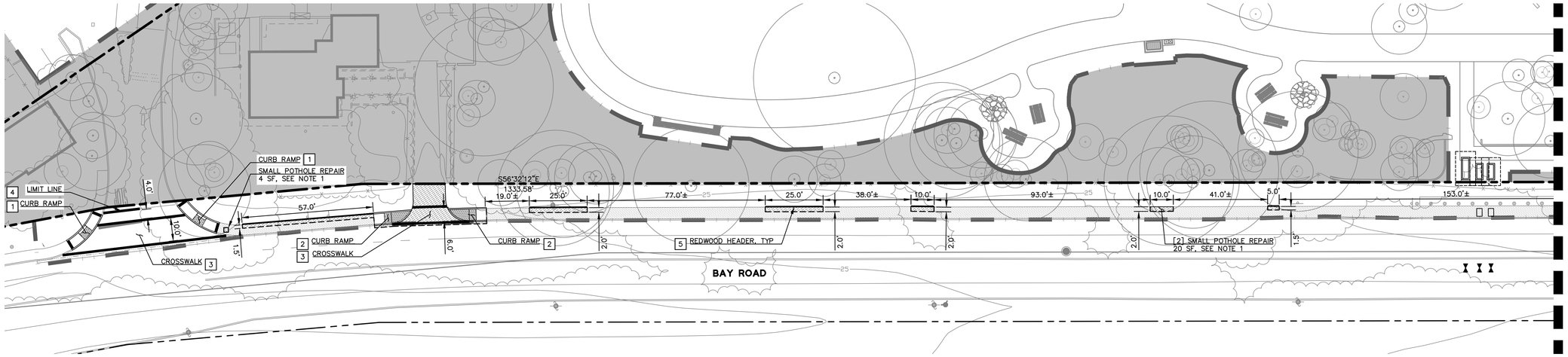
SHEET TITLE

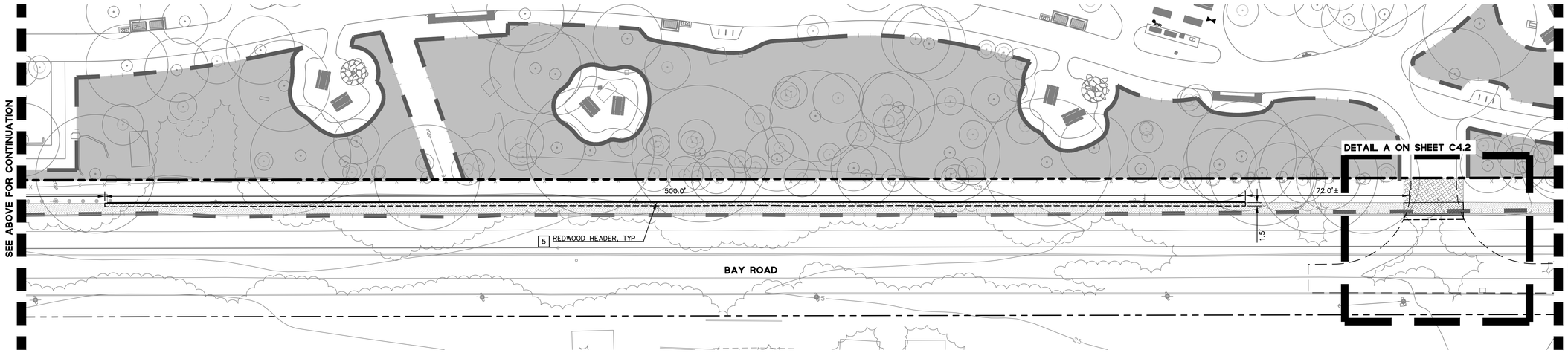
CROSS SECTIONS

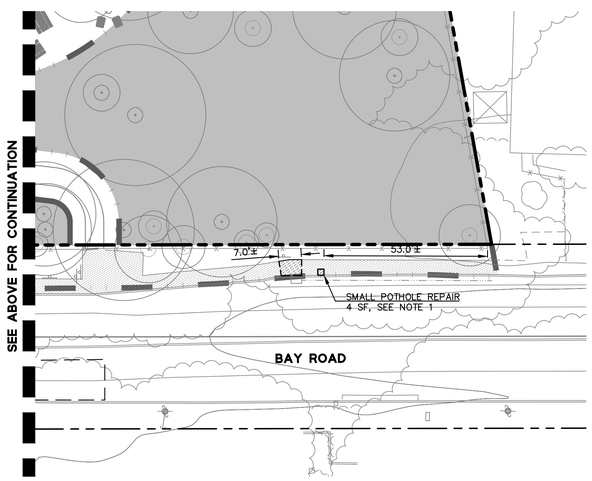
PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C4.4







NOTES:

1. REPAIR EXISTING POTHOLE WITH HOT MIX ASPHALT. CUT EDGES AND SQUARE UP EXISTING ASPHALT, THEN FILL POTHOLE AS NEEDED. MINIMUM DIMENSION FOR POTHOLE REPAIR IS 2 FEET BY 2 FEET.

LEGEND:

- SAWCUT LINE
- LIMIT OF WORK
- REDWOOD HEADER PER DETAIL 2 ON SHEET C10.1
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY
- DETECTABLE WARNING SURFACE PER DETAIL 6 ON SHEET C10.0
- AC PAVEMENT, MATCH EXISTING IN KIND
- FOG SEAL AC

KEYNOTES:

1. CASE C CURB RAMP PER DETAIL 1 ON SHEET C10.6
2. CASE CM CURB RAMP PER DETAIL 4 ON SHEET C10.6
3. 12" WIDE STRIPE BASIC CROSSWALK PER DETAIL 2 ON SHEET C10.6
4. STOP LIMIT LINE PER DETAIL 3 ON SHEET C10.6
5. REDWOOD HEADER PER DETAIL 2 ON SHEET C10.1

GRAPHIC SCALE
20 0 20 40

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OWNER/CLIENT

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455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOLIO
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

BAY ROAD IMPROVEMENTS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C4.5

DRAWING NAME: \\Bkf-fs\vol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C4.0 HZCT.dwg
PLOT DATE: 10-27-23
PLOTTED BY: penc

GRAPHIC SCALE

50 0 50 100

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
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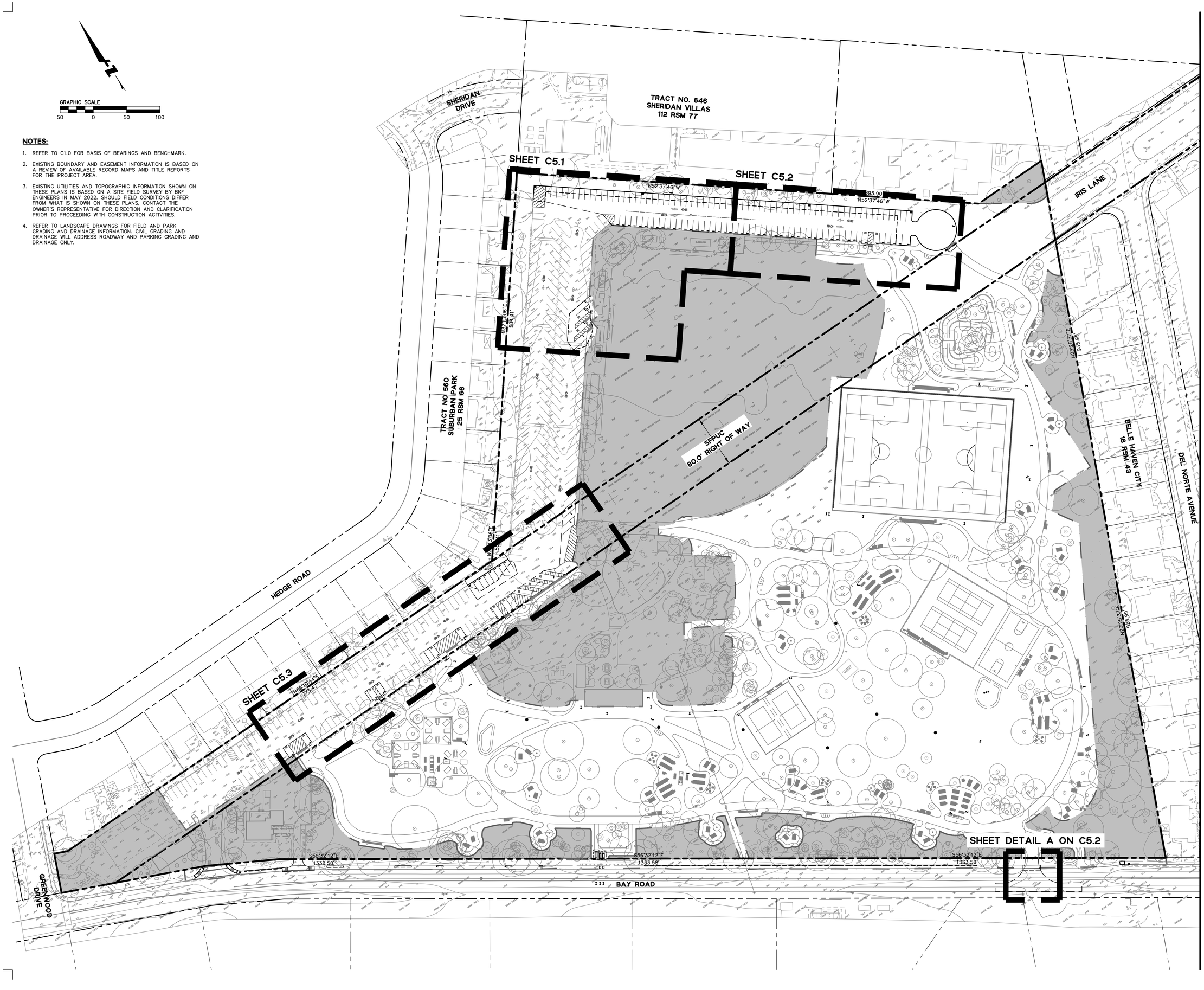

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OWNER/CLIENT

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455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOSTA JR.
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
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	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

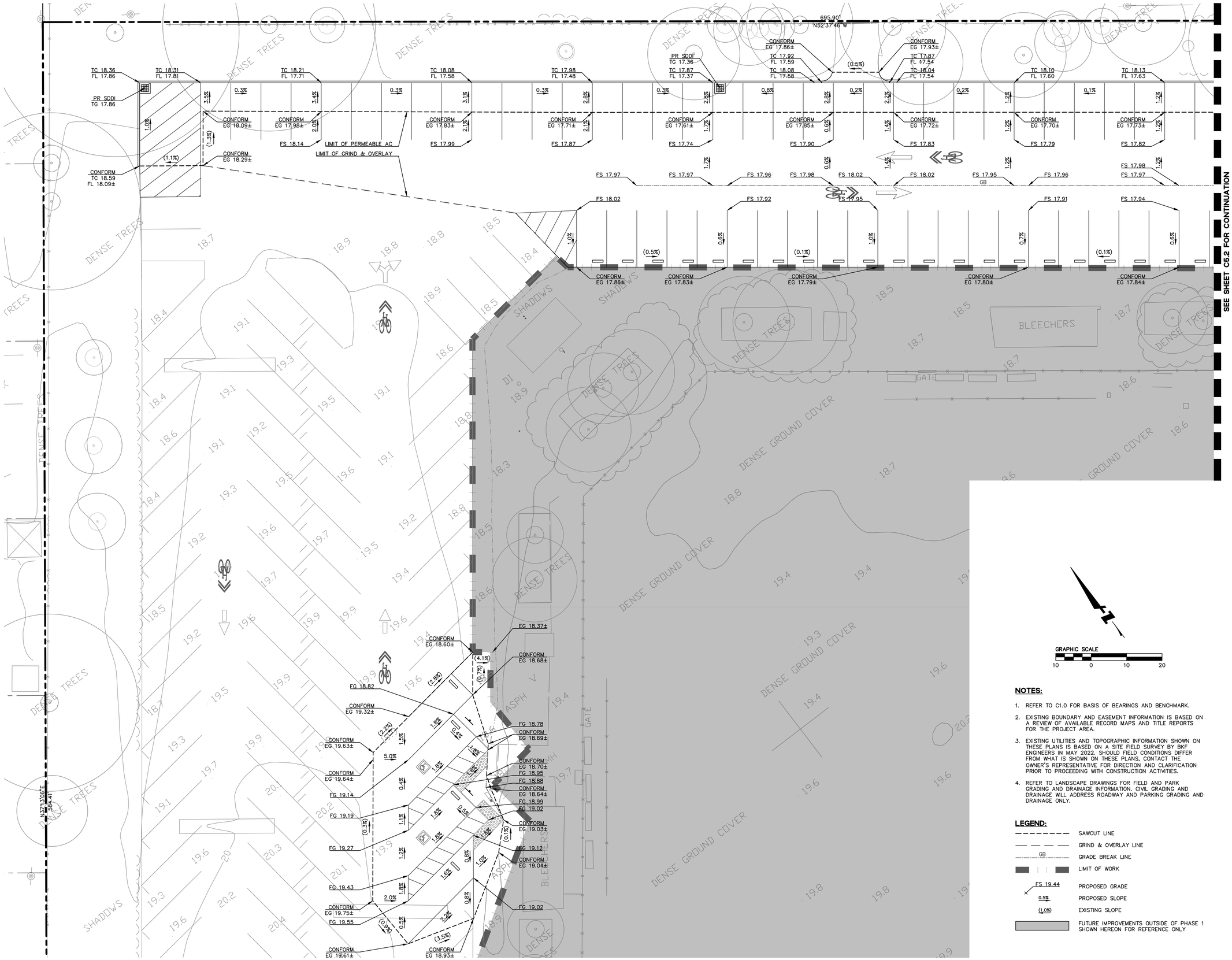
PARKING LOT GRADING & DRAINAGE PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C5.0

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C5.0 PRGRAD.dwg
PLOT DATE: 10-20-23 PLOTTED BY: penc



GRAPHIC SCALE

10 0 10 20

NOTES:

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LEGEND:

- SAWCUT LINE
- GRIND & OVERLAY LINE
- GB — GRADE BREAK LINE
- LIMIT OF WORK
- FS 19.44 — PROPOSED GRADE
- 0.5% — PROPOSED SLOPE
- (1.0%) — EXISTING SLOPE
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY

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415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALESSI
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN WADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

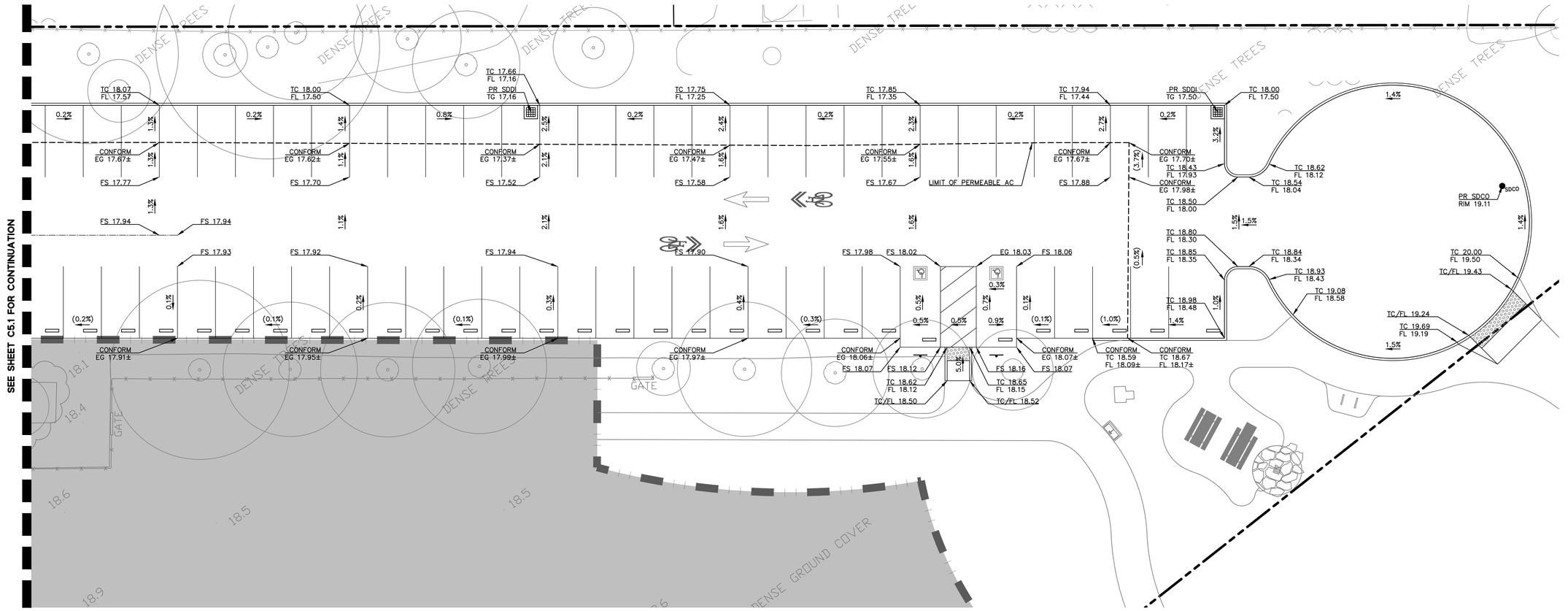
PARKING LOT GRADING & DRAINAGE PLAN

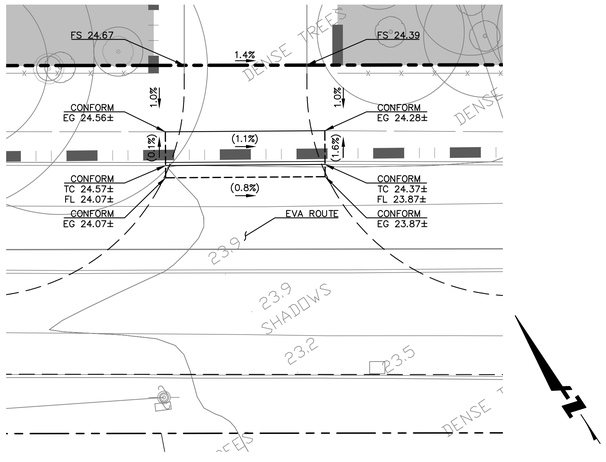
PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C5.1

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C5.0 PGRAD.dwg
PLOT DATE: 10-20-23 PLOTTED BY: penc





DETAIL A – BAY ROAD ACCESS
SCALE: 1"=10'

GRAPHIC SCALE
10 0 10 20

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
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4. REFER TO LANDSCAPE DRAWINGS FOR FIELD AND PARK GRADING AND DRAINAGE INFORMATION. CIVIL GRADING AND DRAINAGE WILL ADDRESS ROADWAY AND PARKING GRADING AND DRAINAGE ONLY.

LEGEND:

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MENLO PARK, CA 94025

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REGISTERED PROFESSIONAL ENGINEER
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No. 72339
CIVIL
STATE OF CALIFORNIA

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

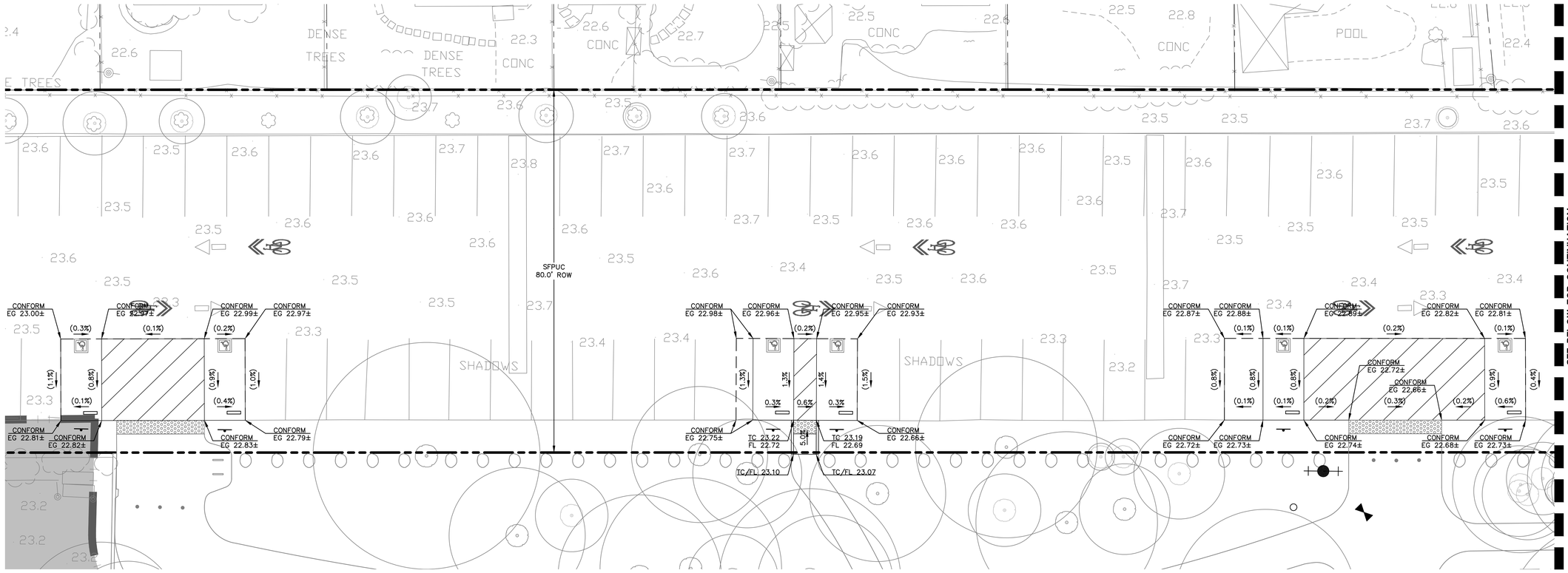
PARKING LOT GRADING & DRAINAGE PLAN

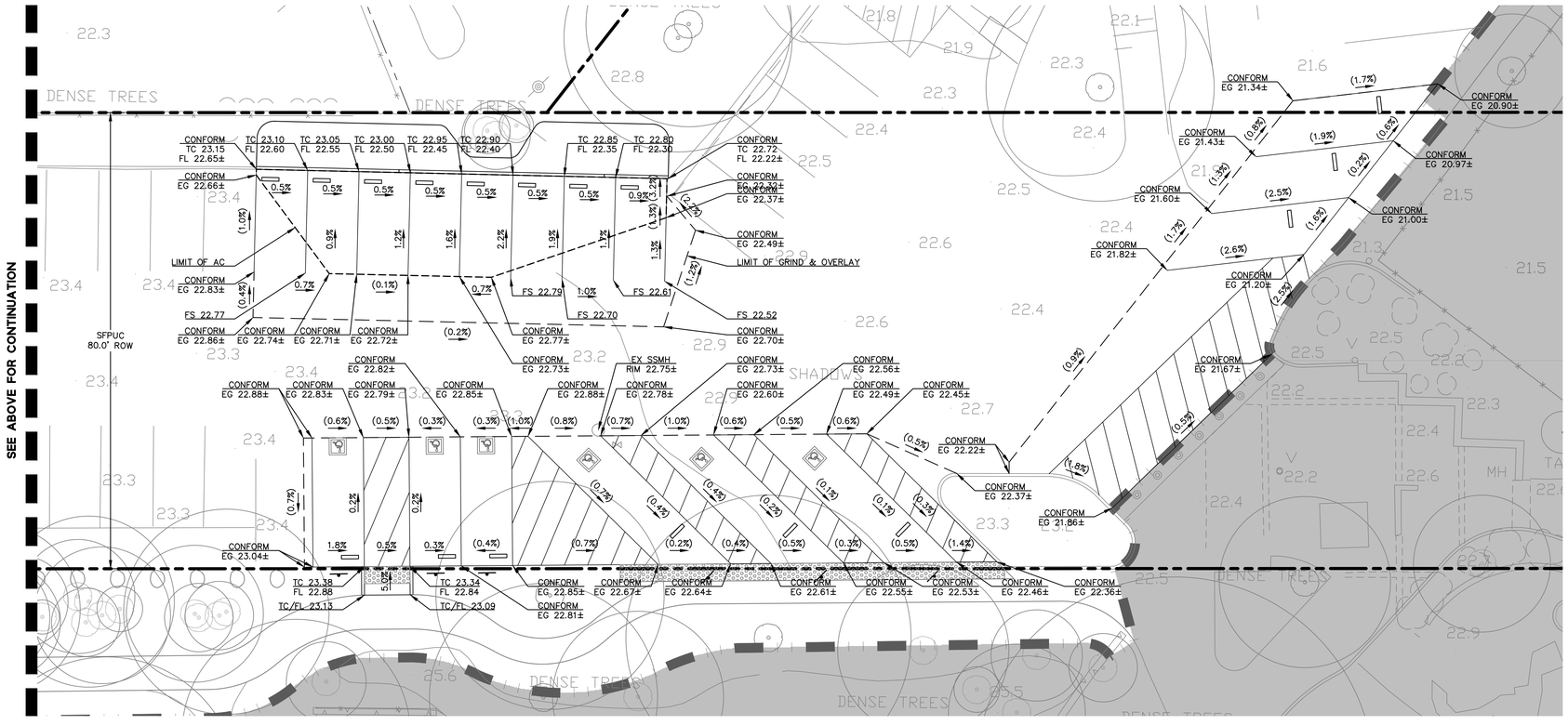
PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

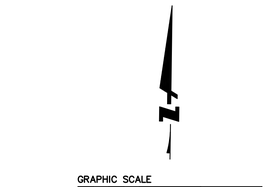
SHEET NUMBER

C5.2

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_ReImagine_Flood_Park_Design\ENG\CD\SHEETS\C5.0 PROGRAD.dwg
PLOT DATE: 10-20-23 PLOTTED BY: penc







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CONSULTANTS

BKF

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MENLO PARK, CA 94025

STAMP

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JAMES W. DALLESSI
No. 72339
CIVIL
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

PARKING LOT GRADING & DRAINAGE PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C5.3

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_ReImagine_Flood_Park_Design\ENG\CD\SHEETS\C5.0 PRGRAD.dwg
PLOT DATE: 10-20-23 PLOTTED BY: penc

GRAPHIC SCALE
50 0 50 100

NOTES:

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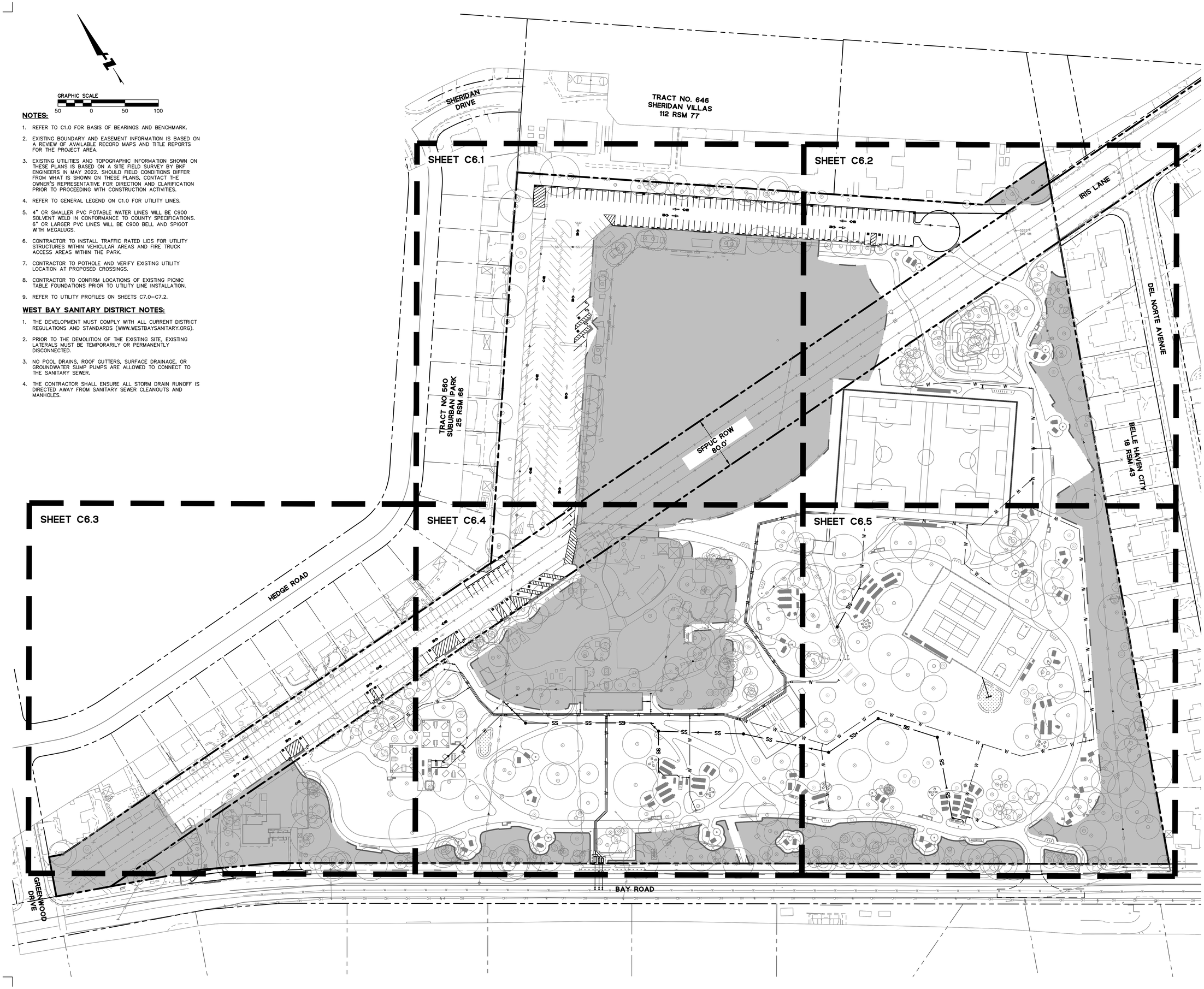
4. REFER TO GENERAL LEGEND ON C1.0 FOR UTILITY LINES.
5. 4" OR SMALLER PVC POTABLE WATER LINES WILL BE C900 SOLVENT WELD IN CONFORMANCE TO COUNTY SPECIFICATIONS. 6" OR LARGER PVC LINES WILL BE C900 BELL AND SPIGOT WITH MEGALUGS.
6. CONTRACTOR TO INSTALL TRAFFIC RATED LIDS FOR UTILITY STRUCTURES WITHIN VEHICULAR AREAS AND FIRE TRUCK ACCESS AREAS WITHIN THE PARK.
7. CONTRACTOR TO POTHOLE AND VERIFY EXISTING UTILITY LOCATION AT PROPOSED CROSSINGS.
8. CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING PICNIC TABLE FOUNDATIONS PRIOR TO UTILITY LINE INSTALLATION.
9. REFER TO UTILITY PROFILES ON SHEETS C7.0–C7.2.

WEST BAY SANITARY DISTRICT NOTES:

1. THE DEVELOPMENT MUST COMPLY WITH ALL CURRENT DISTRICT REGULATIONS AND STANDARDS (WWW.WESTBAYSANITARY.ORG).
2. PRIOR TO THE DEMOLITION OF THE EXISTING SITE, EXISTING LATERALS MUST BE TEMPORARILY OR PERMANENTLY DISCONNECTED.
3. NO POOL DRAINS, ROOF GUTTERS, SURFACE DRAINAGE, OR GROUNDWATER SUMP PUMPS ARE ALLOWED TO CONNECT TO THE SANITARY SEWER.
4. THE CONTRACTOR SHALL ENSURE ALL STORM DRAIN RUNOFF IS DIRECTED AWAY FROM SANITARY SEWER CLEANOUTS AND MANHOLES.



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OWNER/CLIENT

SAN MATEO COUNTY
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REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOS, JR.
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

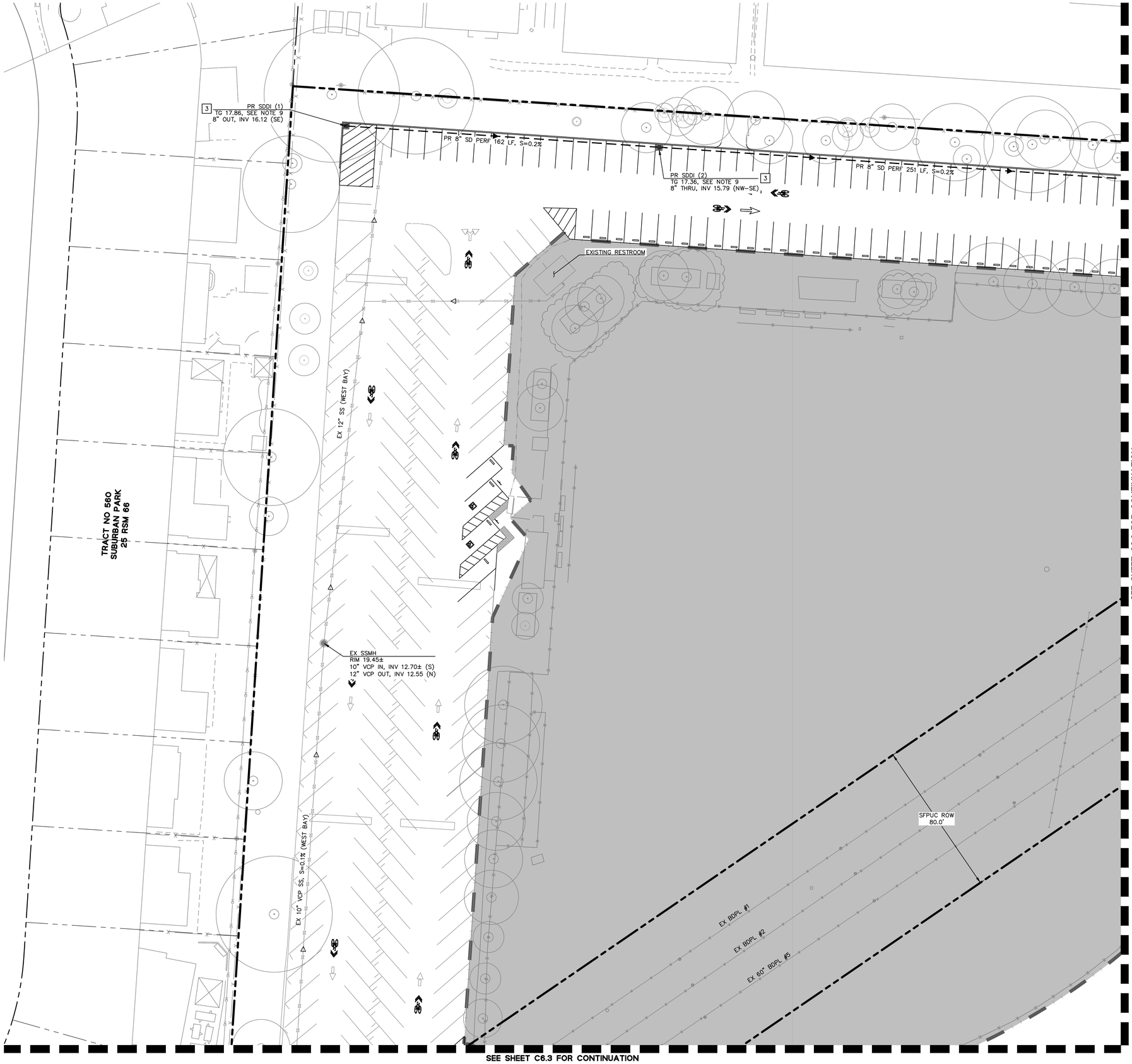
UTILITY PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C6.0

DRAWING NAME: \\BKF-FS\Vol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C6.0 PRUTIL.dwg
PLOT DATE: 10-20-23 PLOTTED BY: genc



GRAPHIC SCALE
20 0 20 40

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
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4. REFER TO GENERAL LEGEND ON C1.0 FOR UTILITY LINES.
5. 4" OR SMALLER PVC POTABLE WATER LINES WILL BE C900 SOLVENT WELD IN CONFORMANCE TO COUNTY SPECIFICATIONS. 6" OR LARGER PVC LINES WILL BE C900 BELL AND SPIGOT WITH MEGALUGS.
6. CONTRACTOR TO INSTALL TRAFFIC RATED LIDS FOR UTILITY STRUCTURES WITHIN VEHICULAR AREAS AND FIRE TRUCK ACCESS AREAS WITHIN THE PARK.
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9. REFER TO UTILITY PROFILES ON SHEETS C7.0–C7.2.

WEST BAY SANITARY DISTRICT NOTES:

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LEGEND:

- LIMIT OF WORK
- BIORETENTION PLANTER PER DETAIL 6 ON SHEET C10.2
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY

KEYNOTE	STRUCTURE	STRUCTURE TYPE
1		SANITARY SEWER MANHOLE PER DETAIL 4 ON SHEET C10.2
2		SANITARY SEWER CLEANOUT PER DETAIL 3 ON SHEET C10.2
3		STORM DRAIN DROP INLET PER DETAIL 2 ON SHEET C10.2
4		STORM DRAIN CLEANOUT PER DETAIL 5 ON SHEET C10.2
5		FIRE HYDRANT PER DETAIL 3 ON SHEET C10.3
6		WATER VALVE PER DETAIL 4 ON SHEET C10.4
7		WATER METER PER DETAIL 2 ON SHEET C10.4
8		3" IRR BFP PER DETAIL 5 ON SHEET C10.4
9		4" PW BFP PER DETAIL 5 ON SHEET C10.4
10		8" FW BFP PER DETAIL 7 ON SHEET C10.3
11	W	WATER TRENCH PER DETAILS 1, 6 ON SHEET C10.3
12		FDC PER DETAIL 5 ON SHEET C10.3
13		INFILTRATION TRENCH, SLP

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OWNER/CLIENT

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CONSULTANTS

BKF

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MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOS
No. 72339
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STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

UTILITY PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C6.1

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C6.0 PRUTIL.dwg
PLOT DATE: 10-20-23 PLOTTED BY: psec



GRAPHIC SCALE
20 0 20 40

NOTES:

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COUNTY OF SAN MATEO - DPW STAMP

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ANN WADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

UTILITY PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C6.2

DRAWING NAME: \\BKF-RC\VOL4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C6.0 PRUTIL.dwg
PLOT DATE: 10-20-23 PLOTTED BY: penc



GRAPHIC SCALE
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4. REFER TO GENERAL LEGEND ON C1.0 FOR UTILITY LINES.
5. 4" OR SMALLER PVC POTABLE WATER LINES WILL BE C900 SOLVENT WELD IN CONFORMANCE TO COUNTY SPECIFICATIONS. 6" OR LARGER PVC LINES WILL BE C900 BELL AND SPIGOT WITH MEGALUGS.
6. CONTRACTOR TO INSTALL TRAFFIC RATED LIDS FOR UTILITY STRUCTURES WITHIN VEHICULAR AREAS AND FIRE TRUCK ACCESS AREAS WITHIN THE PARK.
7. CONTRACTOR TO POTHOLE AND VERIFY EXISTING UTILITY LOCATION AT PROPOSED CROSSINGS.
8. CONTRACTOR TO CONFIRM LOCATIONS OF EXISTING PICNIC TABLE FOUNDATIONS PRIOR TO UTILITY LINE INSTALLATION.
9. REFER TO UTILITY PROFILES ON SHEETS C7.0–C7.2.

WEST BAY SANITARY DISTRICT NOTES:

1. THE DEVELOPMENT MUST COMPLY WITH ALL CURRENT DISTRICT REGULATIONS AND STANDARDS (WWW.WESTBAYSANITARY.ORG).
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3. NO POOL DRAINS, ROOF GUTTERS, SURFACE DRAINAGE, OR GROUNDWATER SUMP PUMPS ARE ALLOWED TO CONNECT TO THE SANITARY SEWER.
4. THE CONTRACTOR SHALL ENSURE ALL STORM DRAIN RUNOFF IS DIRECTED AWAY FROM SANITARY SEWER CLEANOUTS AND MANHOLES.

LEGEND:

- LIMIT OF WORK
- BIORETENTION PLANTER PER DETAIL 6 ON SHEET C10.2
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY

KEYNOTE	STRUCTURE	STRUCTURE TYPE
1	◉	SANITARY SEWER MANHOLE PER DETAIL 4 ON SHEET C10.2
2	•‰	SANITARY SEWER CLEANOUT PER DETAIL 3 ON SHEET C10.2
3	▣	STORM DRAIN DROP INLET PER DETAIL 2 ON SHEET C10.2
4	•‰	STORM DRAIN CLEANOUT PER DETAIL 5 ON SHEET C10.2
5	+●+	FIRE HYDRANT PER DETAIL 3 ON SHEET C10.3
6	⋈	WATER VALVE PER DETAIL 4 ON SHEET C10.4
7	▭	WATER METER PER DETAIL 2 ON SHEET C10.4
8	▭	3" IRR BFP PER DETAIL 5 ON SHEET C10.4
9	▭	4" PW BFP PER DETAIL 5 ON SHEET C10.4
10	▭	8" FW BFP PER DETAIL 7 ON SHEET C10.3
11	W	WATER TRENCH PER DETAILS 1, 6 ON SHEET C10.3
12	○	FDC PER DETAIL 5 ON SHEET C10.3
13	═══	INFILTRATION TRENCH, SLP

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOSTA
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

UTILITY PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C6.3

DRAWING NAME: \\brf-nas\vol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C6.0 PRUTIL.dwg
PLOT DATE: 10-20-23 PLOTTED BY: pete

SEE SHEET C6.1 FOR CONTINUATION

SEE SHEET C6.3 FOR CONTINUATION

SEE SHEET C6.5 FOR CONTINUATION

EX SSMH
RIM 21.26±
10" VCP IN, INV 13.11± (E)
10" VCP IN, INV 12.90± (S)
10" VCP OUT, INV 12.90± (N)

EX BDPL #1
EX BDPL #2
EX 60" BDPL #3
SFPUC ROW
80.0'
EX 10" VCP SS, S=0.3% (WEST BAY)
EX 10" VCP SS, S=0.2% (WEST BAY)
EX 3/4" GAS
EX 6" VCP SS
EX 4" SS
EX 8" ACP PW
EX STORAGE BUILDING
EX STRUCTURE TO REMAIN, CONTRACTOR TO DETERMINE EXISTING SERVICE AND RECONNECT TO PROPOSED WATER SERVICE
EX SSMH
RIM 23.59±
4" IN, INV 18.89± (SE)
4" OUT, INV 18.74± (W)
EX SSMH
RIM 23.52±
6" THRU, INV 18.92± (E–NW)
UNK IN, INV UNK (NE)
CAP FOR FUTURE CONNECTION
CAP FOR FUTURE FDC CONNECTION
EX ADOBE ADMINISTRATION BUILDING TO REMAIN. CONTRACTOR TO DETERMINE EXISTING SERVICE AND RECONNECT TO PROPOSED WATER AND SEWER SERVICE UTILITY CONNECTIONS
1 TOILET
1 SINK
EX HISTORIC ADOBE WALLS
PROTECT AND SHORE WALLS IN PLACE AS REQUIRED BY COUNTY APPOINTED CONSTRUCTION MANAGER. TO BE COORDINATED WITH GEOTECHNICAL ENGINEER.
UTIL CROSSING
SEE NOTE 7
CONTROL CONNECTION
BIORETENTION PLANTER
10.0' MIN CLEARANCE
CONNECT TO EX 6" SS
INV THRU 19.88± (W–E)
CONNECT TO EX SSMH (1)
RIM 23.48±, SEE NOTE 9
4" IN, INV 19.78± 4" (E)
INV 16.98± CAPPED (E)
INV 16.98± CAPPED (W)
6" IN, INV 14.23± (W)
8" IN, INV 15.83 (S)
10" IN, INV 13.68± (SW)
10" OUT, INV 13.63± (NE)
PR SSMH (3)
RIM 24.00, SEE NOTE 9
8" THRU, INV 16.06 (SE–N)
PR SSMH (4)
RIM 23.10, SEE NOTE 9
8" IN, INV 18.14 (SW)
8" IN, INV 17.08 (SE)
8" OUT, INV 17.08 (N)
PR SSMH (5)
RIM 23.00, SEE NOTE 9
8" THRU, INV 17.71 (SE–NW)
PR SSCO
RIM 23.90
6" OUT, INV 20.65 (E)
PR SSCO
RIM 23.48, SEE NOTE 9
8" THRU, INV 15.86 (S–N)
PR SSCO
RIM 23.00
8" OUT, INV 17.00 (NW)
PR SSCO (10)
RIM 23.00, SEE NOTE 9
8" OUT, INV 19.33 (NE)
PR 8" PVC C900 DR 18 SS 186 LF, S=0.5%
PR 8" PVC C900 DR 18 SS 17 LF, S=0.5%
PR 8" PVC C900 DR 18 SS 127 LF, S=0.5%
PR 8" PVC C900 DR 18 SS 130 LF, S=0.5%
PR 8" PVC C900 DR 18 SS 60 LF, S=2.0%
PR 6" SS 38 LF, S=2.0%
PR 6" SS 18 LF, S=2.0%
SEE NOTE 8
PR 4" PVC 23 LF
SEE NOTE 8
PICNIC APPURTENANCES, SAP
PR 4" PVC PW 113 LF
PR 4" PVC PW 137 LF
PR 4" PVC PW 130 LF
PR 2" PW 12 LF
PR 2" PW 25 LF
PR 2" PW 82 LF
PR 1–1/2" PW
PR 2" PW 32 LF
PR SINK
PR WATER FOUNTAIN
PR WV
PR FIRE HYDRANT
PR FDC
WATER TRENCH, 26 LF
8" FW
8" FW (FDC LINE)
WATER TRENCH 55 LF
4" PW
8" FW
8" FW (FDC)
WATER TRENCH 168 LF
4" PW
8" FW
8" FW (FDC)
WATER TRENCH, 66 LF
4" PW
6" IRR
WATER TRENCH, 144 LF
4" PW
6" IRR
8" FW
WATER TRENCH, 22 LF
4" PW
6" IRR
8" FW
WATER TRENCH, 44 LF
4" PW
6" IRR
8" FW
WATER TRENCH, 73 LF
4" PW
6" IRR
WATER TRENCH, 147 LF
4" PW
6" IRR
WATER TRENCH, 102 LF
4" PW
6" IRR
WATER TRENCH, 22 LF
4" PW
6" IRR
WATER TRENCH, 77 LF
4" PW
6" IRR
WATER TRENCH, 108 LF
4" PW
6" IRR
WATER TRENCH, 30 LF
4" PW
6" IRR
4" PW BFP
4" IRR BFP
8" FW BFP
(2) 3" WM
PR WV
EX 8" ACP PW
CONNECT TO EX 8" ACP PW MAIN
COORDINATE WITH CALWATER FOR CONNECTION

GRAPHIC SCALE
20 0 20 40

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
3. EXISTING UTILITIES AND TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON A SITE FIELD SURVEY BY BKF ENGINEERS IN MAY 2022. SHOULD FIELD CONDITIONS DIFFER FROM WHAT IS SHOWN ON THESE PLANS, CONTACT THE OWNER'S REPRESENTATIVE FOR DIRECTION AND CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.
4. REFER TO GENERAL LEGEND ON C1.0 FOR UTILITY LINES.
5. 4" OR SMALLER PVC POTABLE WATER LINES WILL BE C900 SOLVENT WELD IN CONFORMANCE TO COUNTY SPECIFICATIONS. 6" OR LARGER PVC LINES WILL BE C900 BELL AND SPIGOT WITH MEGALUGS.
6. CONTRACTOR TO INSTALL TRAFFIC RATED LIDS FOR UTILITY STRUCTURES WITHIN VEHICULAR AREAS AND FIRE TRUCK ACCESS AREAS WITHIN THE PARK.
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4. THE CONTRACTOR SHALL ENSURE ALL STORM DRAIN RUNOFF IS DIRECTED AWAY FROM SANITARY SEWER CLEANOUTS AND MANHOLES.

LEGEND:

- LIMIT OF WORK
- BIORETENTION PLANTER PER DETAIL 6 ON SHEET C10.2
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY

KEYNOTE	STRUCTURE	STRUCTURE TYPE
1	◉	SANITARY SEWER MANHOLE PER DETAIL 4 ON SHEET C10.2
2	●SSCO	SANITARY SEWER CLEANOUT PER DETAIL 3 ON SHEET C10.2
3	▣	STORM DRAIN DROP INLET PER DETAIL 2 ON SHEET C10.2
4	●SCO	STORM DRAIN CLEANOUT PER DETAIL 5 ON SHEET C10.2
5	+●+	FIRE HYDRANT PER DETAIL 3 ON SHEET C10.3
6	⋈	WATER VALVE PER DETAIL 4 ON SHEET C10.4
7	▭	WATER METER PER DETAIL 2 ON SHEET C10.4
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10	▭	8" FW BFP PER DETAIL 7 ON SHEET C10.3
11	W	WATER TRENCH PER DETAILS 1, 6 ON SHEET C10.3
12	○	FDC PER DETAIL 5 ON SHEET C10.3
13	═══	INFILTRATION TRENCH, SLP

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OWNER/CLIENT

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455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES R. DALLOLIO No. 72339 CIVIL STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

UTILITY PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C6.4

DRAWING NAME: \\Bkf-cvol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C6.0 PRUITL.dwg
PLOT DATE: 10-20-23 PLOTTED BY: pruitl

SEE SHEET C6.2 FOR CONTINUATION

SEE SHEET C6.4 FOR CONTINUATION

WATER TRENCH, 37 LF 11
4" PW
6" IRR
PR 4" PVC PW 52 LF
PR 4" PVC PW 153 LF
PR 4" PVC PW 104 LF
PR 4" PVC PW 21 LF
PR 4" PVC PW 76 LF
6 PR WV
PR 2" PW 41 LF
PR 1-1/2" IRR 41 LF
PR 2" PW 6 LF
EXISTING RESTROOM
PR 2" PW 103 LF
PR 2" PW 60 LF
PR 2" PW 48 LF
EX SSJB
RIM 22.10±
6" IN, INV 18.20± (S)
6" OUT, INV 18.00± (W)
EX 6" VCP SS
PR SINK
PR SSCO (12)
RIM 21.80, SEE NOTE 9
6" THRU, INV 19.71 (NE-SW)
2
S=0.5%
PR 6" PVC C900 DR 18 SS 66 LF
PR SSMH (11)
RIM 22.40, SEE NOTE 9
6" IN, INV 19.38 (NE)
6" THRU, INV 19.38± (S-N)
1
SEE ELECTRICAL PLANS
FUTURE RESTROOM
PR 2" PW 82 LF
CAP FOR FUTURE CONNECTION
CONNECT TO SLOT TENNIS/BASKETBALL COURT SUB DRAIN, SLP
PR 6" SD, SLP
PR SD OUTFALL
BIORETENTION PLANTER
PR WATER FOUNTAIN
PR WV 6
BELLE HAVEN CITY
18 RSM 43
PR SSMH (7)
RIM 23.60, SEE NOTE 9
8" THRU, INV 18.81 (SE-W)
PR 8" PVC C900 DR 18 SS 92 LF, S=0.5%
PR 4" PVC PW 226 LF
PR 4" PVC PW 91 LF
PR 8" PVC C900 DR 18 SS 80 LF, S=0.5%
PR SSMH (8)
RIM 22.50, SEE NOTE 9
8" THRU, INV 19.27 (SW-NW)
PR 4" PVC PW 112 LF
PR SSMH (6)
RIM 23.25, SEE NOTE 9
8" THRU, INV 18.36 (E-NW)
PR 1-1/2" PW 101 LF
PR 8" PVC C900 DR 18 SS 122 LF, S=0.5%
PR 2" PW 111 LF
PR 2" PW 10 LF
PR 1-1/2" PW 48 LF
PR SSCO (9)
RIM 23.55, SEE NOTE 9
8" OUT, INV 19.88 (NE)
EX SDDI
TG 23.34±

GRAPHIC SCALE
20 0 20 40

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
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LEGEND:

- LIMIT OF WORK
- BIORETENTION PLANTER PER DETAIL 6 ON SHEET C10.2
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY

KEYNOTE	STRUCTURE	STRUCTURE TYPE
1		SANITARY SEWER MANHOLE PER DETAIL 4 ON SHEET C10.2
2		SANITARY SEWER CLEANOUT PER DETAIL 3 ON SHEET C10.2
3		STORM DRAIN DROP INLET PER DETAIL 2 ON SHEET C10.2
4		STORM DRAIN CLEANOUT PER DETAIL 5 ON SHEET C10.2
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7		WATER METER PER DETAIL 2 ON SHEET C10.4
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9		4" PW BFP PER DETAIL 5 ON SHEET C10.4
10		8" FW BFP PER DETAIL 7 ON SHEET C10.3
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OWNER/CLIENT

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CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOS
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
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	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
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1	BID ADDENDUM 1	07.03.23
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

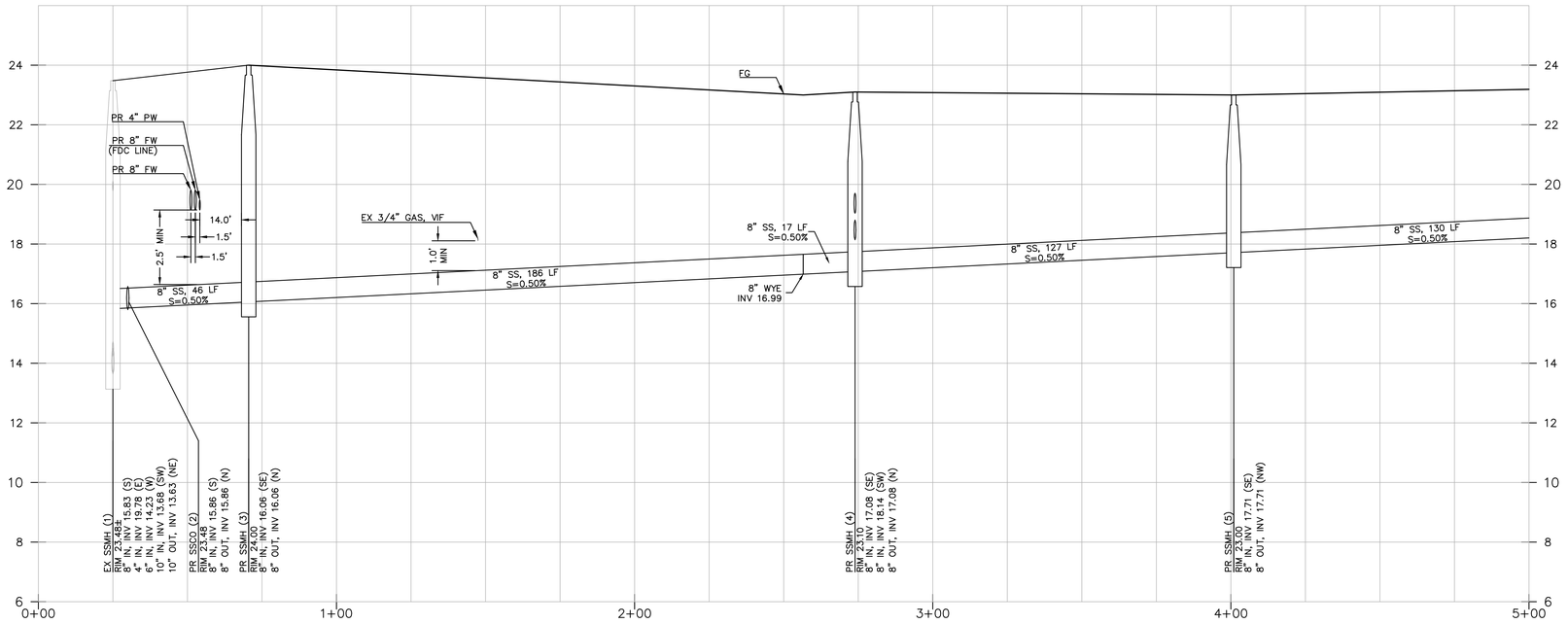
UTILITY PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

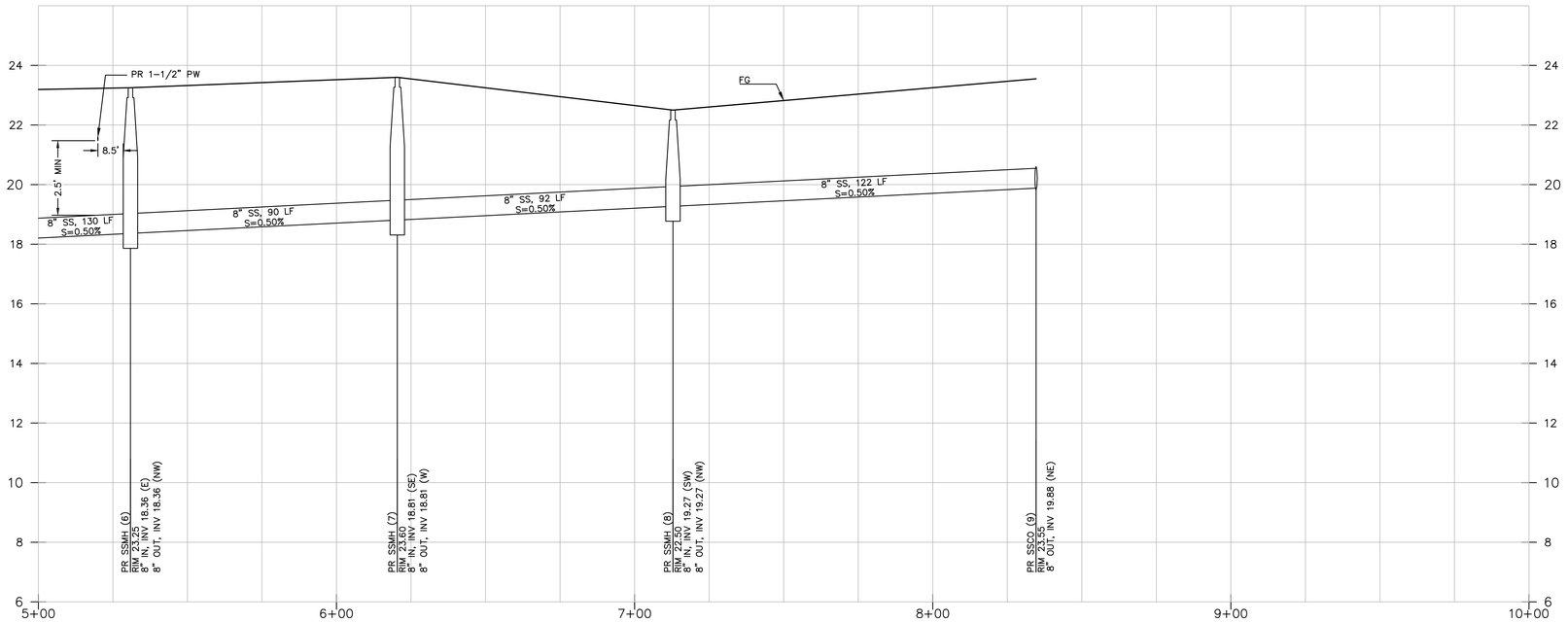
C6.5

DRAWING NAME: \\Bk1-rc1\vol1\2021\21078_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C6.0 PRUTIL.dwg
PLOT DATE: 10-20-23 PLOTTED BY: pete



SANITARY SEWER UTILITY PROFILE
EX SSMH (1) TO PR SSMH (5)

SCALE:
1" = 20' HORIZ.
1" = 2' VERT.



SANITARY SEWER UTILITY PROFILE
PR SSMH (6) TO PR SSCO (9)

SCALE:
1" = 20' HORIZ.
1" = 2' VERT.

DRAWING NAME: \\Bkf-rc\vol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C7.0 PRUTILPROF.dwg
PLOT DATE: 10-17-23 PLOTTED BY: penc

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Landscape Architecture
444 Bryant St
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415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

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215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOSTA JR.
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

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	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

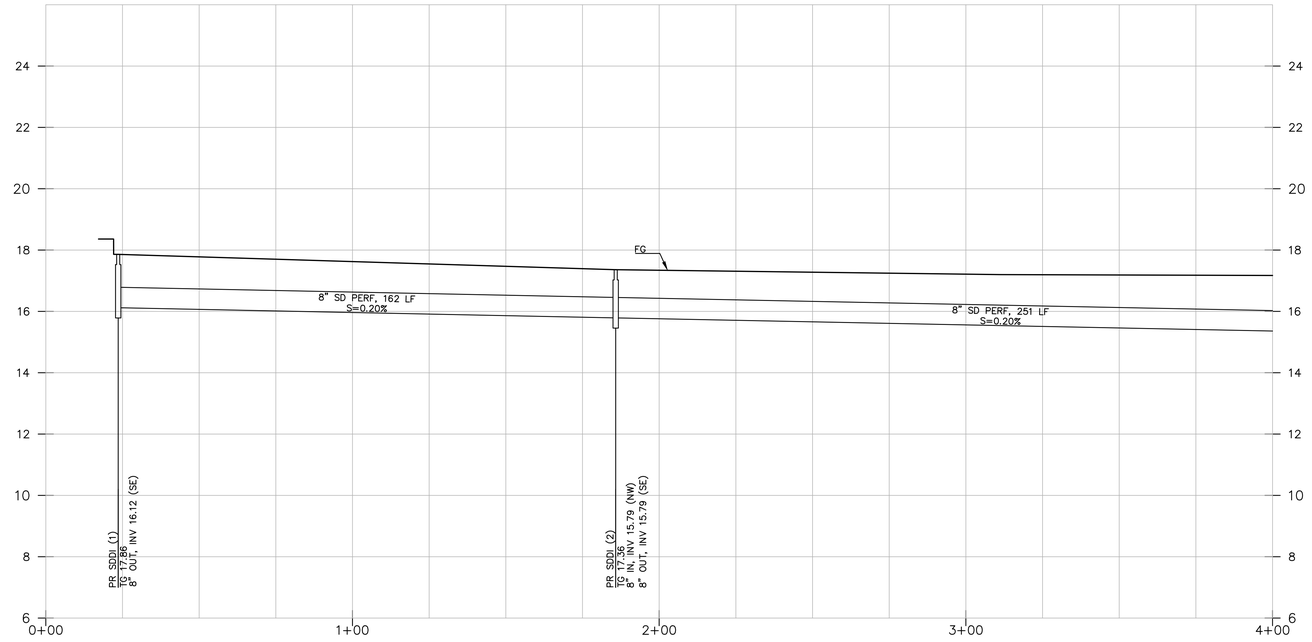
SHEET TITLE

UTILITY PROFILES

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

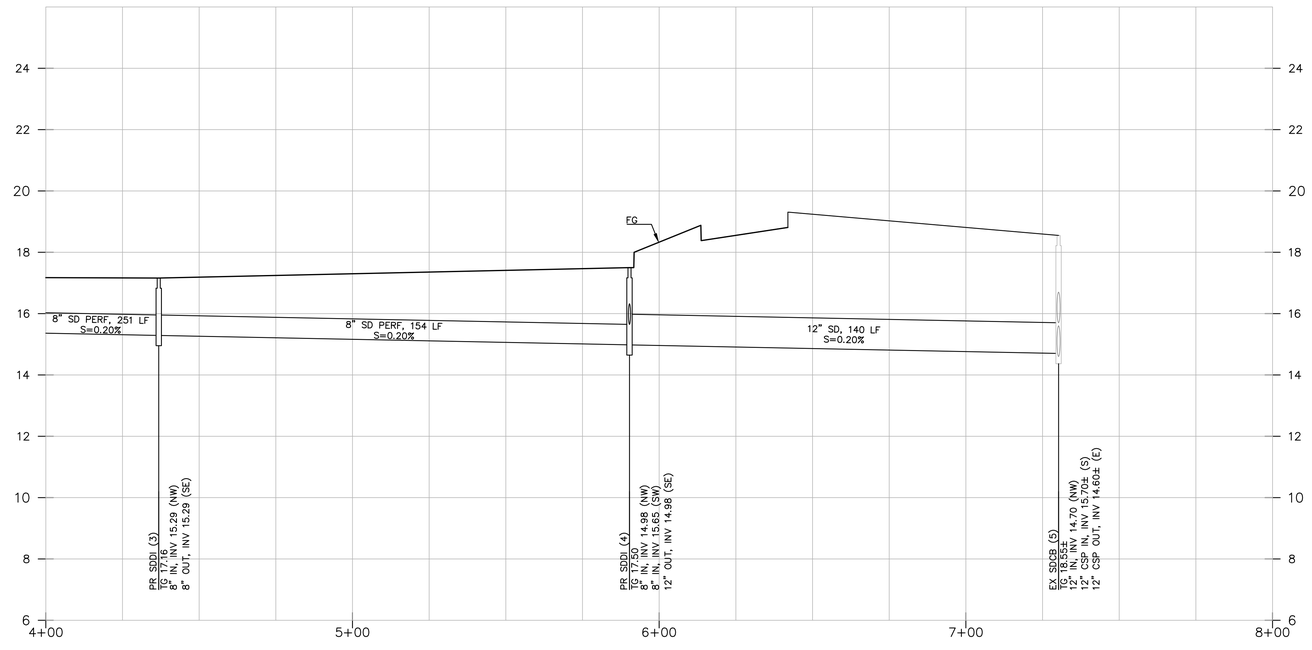
SHEET NUMBER

C7.0



STORM DRAIN UTILITY PROFILE
PR SDDI (1) TO PR SDDI (3)

SCALE:
1" = 20' HORIZ.
1" = 2' VERT.



STORM DRAIN UTILITY PROFILE
PR SDDI (3) TO EX SDCB (5)

SCALE:
1" = 20' HORIZ.
1" = 2' VERT.

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PLOT DATE: 10/17/23
PLOTTED BY: pete

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OWNER/CLIENT

SAN MATEO COUNTY
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REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLOSTA III
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES
12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

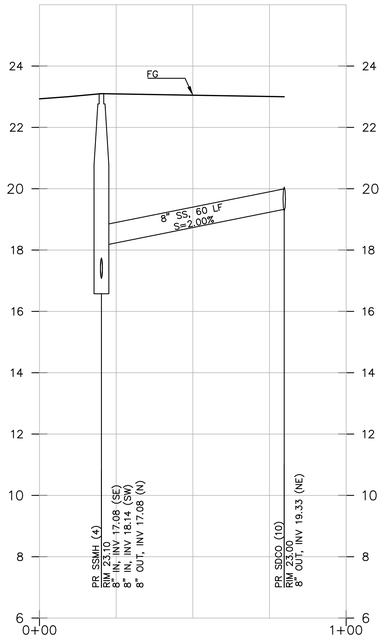
SHEET TITLE

UTILITY PROFILES

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

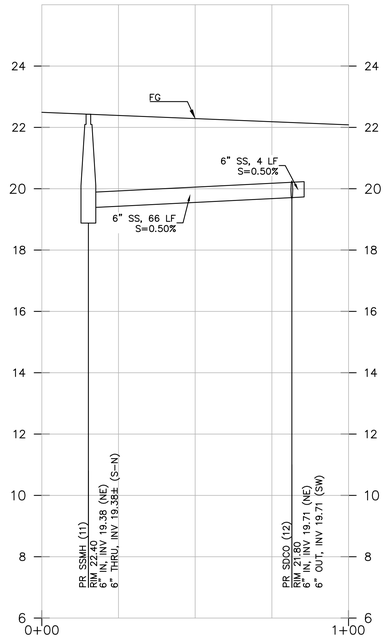
SHEET NUMBER

C7.1



SANITARY SEWER UTILITY PROFILE
PR SSMH (4) TO PR SSCO (10)

SCALE:
1" = 20' HORIZ.
1" = 2' VERT.



SANITARY SEWER UTILITY PROFILE
PR SSMH (11) TO SSCO (12)

SCALE:
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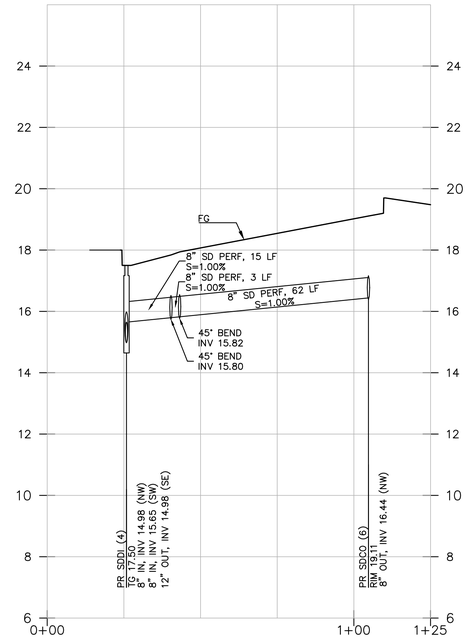
1" = 2' VERT.



STORM DRAIN UTILITY PROFILE
PR SDDI (4) TO PR SDCO (6)

SCALE:
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1" = 2' VERT.

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
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EXPIRES
12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

UTILITY PROFILES

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C7.2

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PLOT DATE: 10/17/23 PLOTTED BY: pete

GRAPHIC SCALE

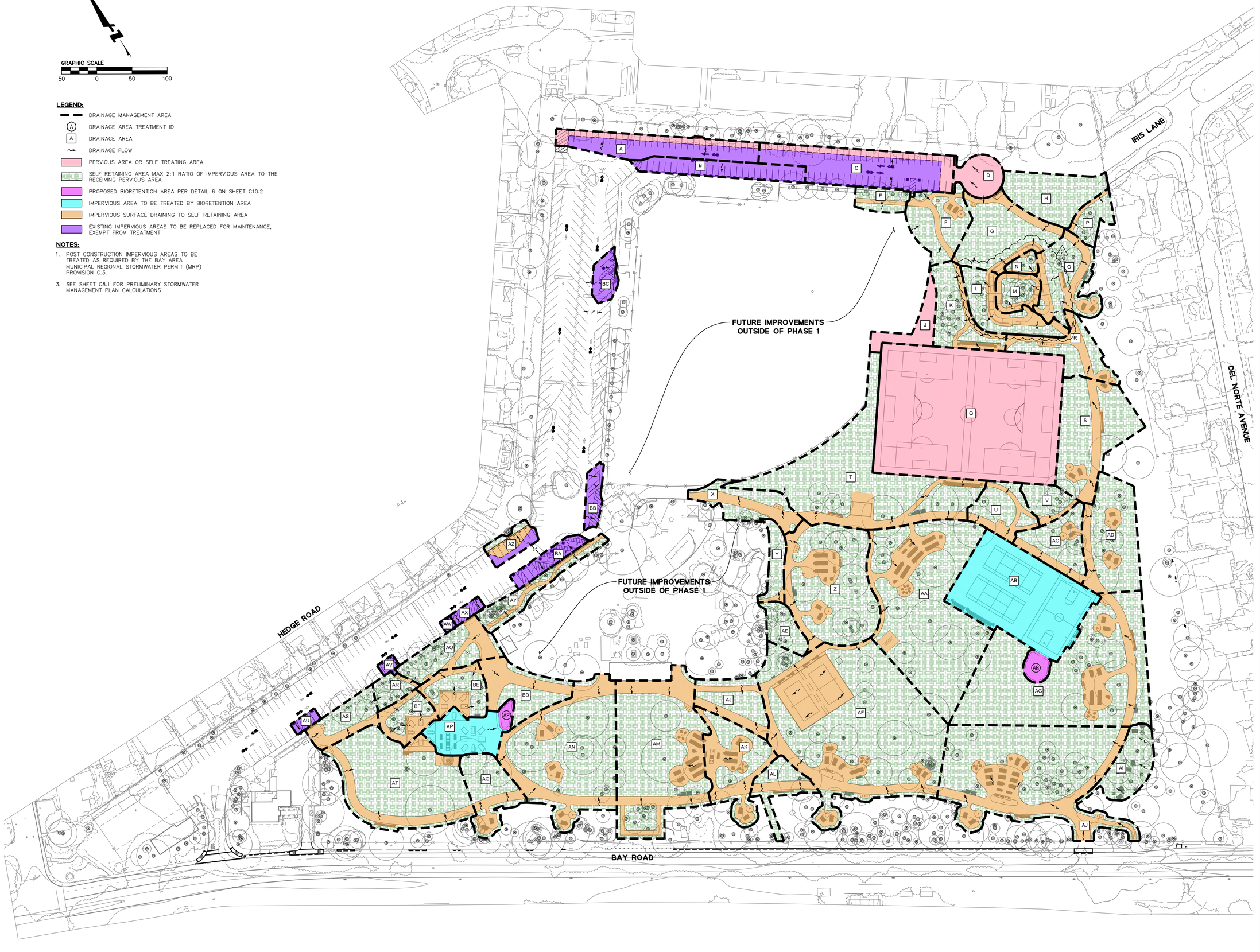
50 0 50 100

LEGEND:

- DRAINAGE MANAGEMENT AREA
- (A) DRAINAGE AREA TREATMENT ID
- [A] DRAINAGE AREA
- DRAINAGE FLOW
- PERVIOUS AREA OR SELF TREATING AREA
- SELF RETAINING AREA MAX 2:1 RATIO OF IMPERVIOUS AREA TO THE RECEIVING PERVIOUS AREA
- PROPOSED BIORETENTION AREA PER DETAIL 6 ON SHEET C10.2
- IMPERVIOUS AREA TO BE TREATED BY BIORETENTION AREA
- IMPERVIOUS SURFACE DRAINING TO SELF RETAINING AREA
- EXISTING IMPERVIOUS AREAS TO BE REPLACED FOR MAINTENANCE, EXEMPT FROM TREATMENT

NOTES:

1. POST CONSTRUCTION IMPERVIOUS AREAS TO BE TREATED AS REQUIRED BY THE BAY AREA MUNICIPAL REGIONAL STORMWATER PERMIT (MRP) PROVISION C.3.
3. SEE SHEET C8.1 FOR PRELIMINARY STORMWATER MANAGEMENT PLAN CALCULATIONS



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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER ST ILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

STORMWATER MANAGEMENT PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C8.0

PRELIMINARY STORMWATER CALULATIONS	Column1	Column2	Column5	Column52	Column6	Column7	Column8
DRAINAGE AREA	TOTAL IMPERVIOUS AREA TO BE TREATED WITH DMA (SF)	PROPOSED IMPERVIOUS AREA TO BE TREATED WITHIN DMA (SF)	EXISTING IMPERVIOUS AREA TO BE REPLACED FOR MAINTENCE (SF)	PROPOSED PERVIOUS PAVEMENT (SF)	TREATMENT TYPE	TREATMENT AREA REQUIRED (SF)	TREATMENT AREA PROVIDED (SF)
A	36	0	5941	2782	SELF-TREATING	2782	2782
B	0	0	5510	0	-	0	0
C	0	0	9754	3347	SELF-TREATING	3347	3347
D	0	0	0	3352	SELF-TREATING	3352	3352
E	441	0	0	0	SELF-RETAINING	221	1985
F	1955	0	0	0	SELF-RETAINING	978	5188
G	2868	0	0	0	SELF-RETAINING	1434	7870
H	0	0	0	0	SELF-TREATING	0	7792
J	0	0	0	0	SELF-TREATING	0	0
K	2131	0	0	0	SELF-RETAINING	1066	4972
L	2425	0	0	0	SELF-RETAINING	1213	4049
M	1641	0	0	0	SELF-RETAINING	821	1535
N	347	0	0	0	SELF-RETAINING	174	767
O	3773	0	0	0	SELF-RETAINING	1887	4761
P	446	0	0	0	SELF-RETAINING	223	2313
Q	0	0	0	0	SELF-TREATING	0	0
R	2832	0	0	0	SELF-RETAINING	1416	3558
S	3486	0	0	0	SELF-RETAINING	1743	10530
T	5577	0	0	0	SELF-RETAINING	2789	22469
U	2094	0	0	0	SELF-RETAINING	1047	3412
V	530	0	0	0	SELF-RETAINING	265	2507
X	2669	0	0	0	SELF-RETAINING	1335	3250
Y	343	0	0	0	SELF-RETAINING	172	2415
Z	5683	0	0	0	SELF-RETAINING	2842	14192
AA	5571	0	0	0	SELF-RETAINING	2786	27230
AB	21512	21512	0	0	BIORETENTION	860	978
AC	1971	0	0	0	SELF-RETAINING	986	4291
AD	1864	0	0	0	SELF-RETAINING	932	8783
AE	0	0	0	0	SELF-TREATING	0	3040
AF	15803	0	0	0	SELF-RETAINING	7902	29376
AG	6163	0	0	0	SELF-RETAINING	3082	28114
AI	0	0	0	0	SELF-RETAINING	0	5418
AJ	10578	0	0	0	SELF-RETAINING	5289	22217
AK	5207	0	0	0	SELF-RETAINING	2604	3813
AL	1252	0	0	0	SELF-RETAINING	626	1579
AM	8080	0	0	0	SELF-RETAINING	4040	17349
AN	7452	0	0	0	SELF-RETAINING	3726	17313
AO	2194	0	0	0	SELF-RETAINING	1097	4432
AP	5646	5646	0	0	BIORETENTION	226	730
AQ	1717	0	0	0	SELF-RETAINING	859	4833
AR	473	0	0	0	SELF-RETAINING	237	1689
AS	1860	0	0	0	SELF-RETAINING	930	2774
AT	4724	0	0	0	SELF-RETAINING	2362	16812
AU	0	0	722	0	-	0	0
AV	0	0	525	0	-	0	0
AW	0	0	315	0	-	0	0
AX	0	0	877	0	-	0	0
AY	1395	0	0	0	SELF-RETAINING	698	3091
AZ	1051	0	917	0	SELF-RETAINING	526	531
BA	0	0	2589	0	-	0	0
BB	0	0	1891	0	-	0	0
BC	0	0	2082	0	-	0	0
BD	3455	0	0	0	SELF-RETAINING	1728	3563
BE	2590	0	0	0	SELF-RETAINING	1295	2910
BF	2245	0	0	0	SELF-RETAINING	1123	1848

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PLOT DATE: 10-20-23 PLOTTED BY: meyj

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CONSULTANTS

BKF

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STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALLESSIO
No. 72339
CIVIL
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN WADER STILLMAN
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EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

STORMWATER PRELIMINARY CALCULATIONS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C8.1

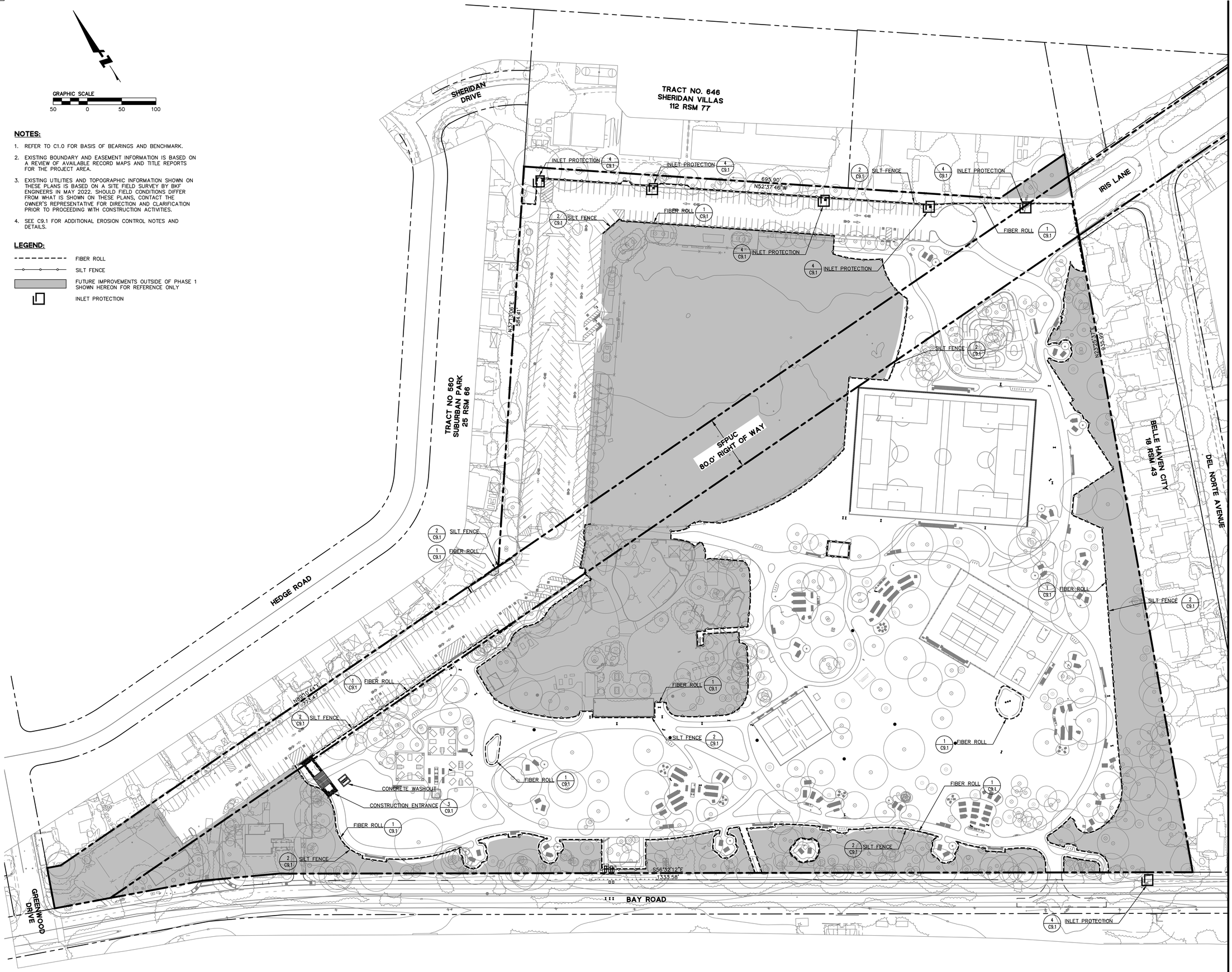
GRAPHIC SCALE
50 0 50 100

NOTES:

1. REFER TO C1.0 FOR BASIS OF BEARINGS AND BENCHMARK.
2. EXISTING BOUNDARY AND EASEMENT INFORMATION IS BASED ON A REVIEW OF AVAILABLE RECORD MAPS AND TITLE REPORTS FOR THE PROJECT AREA.
3. EXISTING UTILITIES AND TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS BASED ON A SITE FIELD SURVEY BY BKF ENGINEERS IN MAY 2022. SHOULD FIELD CONDITIONS DIFFER FROM WHAT IS SHOWN ON THESE PLANS, CONTACT THE OWNER'S REPRESENTATIVE FOR DIRECTION AND CLARIFICATION PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.
4. SEE C9.1 FOR ADDITIONAL EROSION CONTROL NOTES AND DETAILS.

LEGEND:

- FIBER ROLL
- SILT FENCE
- FUTURE IMPROVEMENTS OUTSIDE OF PHASE 1 SHOWN HEREON FOR REFERENCE ONLY
- INLET PROTECTION



DRAWING NAME: \\Bkf-rcvol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C10_0 EROSION CONTROL PLAN.dwg
PLOT DATE: 10-20-23 PLOTTED BY: penc

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11/07/2023

SHEET TITLE

EROSION CONTROL PLAN

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C9.0

EROSION & SEDIMENT CONTROL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

2. CONTRACTOR SHALL IMPLEMENT APPLICABLE CONSTRUCTION EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) THROUGHOUT THE PHASES OF CONSTRUCTION OF THE PROJECT SITE. CONTRACTOR SHALL BE AWARE THAT THE EROSION CONTROL MEASURES AND LAYOUT IDENTIFIED ON THIS PLAN SHEET ASSUMES THAT THE STREET HAS BEEN GRADED TO SUBGRADE AND PROPOSED STORM DRAINAGE STRUCTURES AND PIPE HAVE BEEN INSTALLED. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE REVISIONS AND/OR UPDATES TO THE EROSION PLAN IN ACCORDANCE WITH THE DIFFERENT STAGES OF GRADING OPERATIONS DURING THE RAINY SEASON (OCTOBER 1 TO APRIL 15) AS REQUIRED BY THE CITY PUBLIC WORKS ENGINEER AND STATE REGULATORS.

3. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING SEDIMENT-LADEN STORM RUNOFF FROM LEAVING THE SITE. CATCH BASIN INSERTS, GRAVEL BAGS, FIBER ROLLS, EARTHEN DIKES, EROSION CONTROL MATS/FABRICS AND FILTER PUMPS SHALL BE USED BY THE CONTRACTOR ON AN AS NEEDED BASIS TO INHIBIT SILT FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. EXISTING, TEMPORARY, OR PERMANENT CATCH BASINS SHALL USE SEDIMENT BARRIERS.

4. THE NAME, ADDRESS AND 24 HOUR TELEPHONE NUMBER OF THE QUALIFIED SWPPP PRACTITIONER RESPONSIBLE FOR IMPLEMENTATION OF EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE PROVIDED TO THE CITY PUBLIC WORKS DEPARTMENT AND REPORTED ON THE STORMWATER MULTI-APPLICATION, REPORTING, AND TRACKING SYSTEM(SMARTS) WEBSITE.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO PUBLIC AND/OR PRIVATELY OWNED AND MAINTAINED ROADS CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLEANUP OF MATERIAL SPILLED ON PUBLIC ROAD ON THE HAUL ROUTE. ADJACENT PUBLIC AND/OR PRIVATE ROADS SHALL BE CLEANED AT THE END OF THE WORK DAY.

6. DURING THE RAINY SEASON, ALL PAVED AREAS ARE TO BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.

7. ALL EQUIPMENT AND VEHICLES SHALL BE CLEAN OF GREASE AND/OR HYDRAULIC LEAKS. ALL TRUCK TIRES SHALL BE CLEANED PRIOR TO EXITING THE PROPERTY. AVOID CLEANING, FUELING, OR MAINTAING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASH WATER IS CONTAINED AND TREATED.

8. STOCKPILED MATERIAL
   - A. EXCAVATED SOILS SHOULD NOT BE PLACED IN STREETS OR ON PAVED AREAS.
   - B. ANY EXCAVATED SOILS SHOULD BE REMOVED FROM THE SITE BY THE END OF THE DAY, UNLESS STOCKPILING IS NECESSARY.
   - C. SURROUND ALL STOCKPILES WITH PERIMETER SILT FENCES, FIBER ROLLS, APPROPRIATELY SIZED SECONDARY CONTAINMENT, OR OTHER RUNOFF CONTROLS.
   - D. STABILIZE INACTIVE STOCKPILES WITH SOIL STABILIZER AND/OR MULCH, OR COVER WITH A TARPAULIN.
   - E. COVER STOCKPILES OF CRUSHED AC OR PCC PAVEMENT WITH A TARPAULIN OR PROVIDE CASE-SPECIFIC DESIGNED SECONDARY CONTAINMENT AND CONTAINMENT AND SURROUND WITH APPROPRIATE RUNOFF CONTROLS.
   - F. USE INLET PROTECTION FOR STORM DRAIN STRUCTURES ADJACENT TO THE MATERIAL.
   - G. THOROUGHLY SWEEP ALL PAVED AREAS EXPOSED TO SOIL EXCAVATION PLACEMENT.

9. DURING CONSTRUCTION, THE MAINTENANCE OF SUMMERTIME DRAINAGE THROUGH THE SITE IS THE RESPONSIBILITY OF THE CONTRACTOR.

10. EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE CITY PUBLIC WORKS ENGINEER.

11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT TEMPORARY BORROW AREAS AND/OR STOCKPILES WITH THE APPROPRIATE EROSION CONTROL MEASURES SATISFACTORY TO THE CITY PUBLIC WORKS ENGINEER.

12. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DURING GRADING OPERATION, BEFORE APRIL 15 AND PRIOR TO INSTALLATION OF STORM DRAINAGE SYSTEM. SUCH ADDITIONAL MEASURES WILL BE CONTINGENT UPON THE STAGE OF GRADING OPERATION. CONTRACTOR SHALL IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER OR CITY PUBLIC WORKS ENGINEER.

13. THE SURFACE OF CUT SLOPES MORE THAN 4 FEET IN HEIGHT, AND FILL SLOPES MORE THAN 3 FEET IN HEIGHT, SHALL BE PROTECTED AGAINST EROSION BY PLANTING WITH GRASS OR GROUNDCOVER PLANTS.

14. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING LIMITS OF WORK AS SHOWN ON THE IMPROVEMENT PLANS. SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.

15. ERODED SEDIMENTS AND OTHER POLLUTANTS SHALL BE RETAINED ON-SITE AND ARE PROHIBITED FROM BEING TRANSPORTED FROM THE SITE VIA SHEETFLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.

16. CONSTRUCTION PROJECTS SHALL BE CONDUCTED IN A MANNER WHICH PREVENTS THE RELEASE OF HAZARDOUS MATERIALS, HAZARDOUS WASTE, POLLUTED WATER AND SEDIMENTS TO THE STORM DRAIN SYSTEM. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.

17. CONCRETE WASHOUT AND HAZARDOUS MATERIALS STORAGE AREA SHOWN IS SCHEMATIC ONLY, ACTUAL LOCATION(S) TO BE DETERMINED BY THE CONTRACTOR.

18. CONTRACTOR TO ADD BMP'S AS NECESSARY TO COMPLY WITH CALIFORNIA STORMWATER QUALITY ASSOCIATION(CASQA) REQUIREMENTS.

19. IF NO WORK HAS PROGRESSED FOR A PERIOD OF 6-WEEKS, FINAL DRAINAGE AND EROSION CONTROL IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH AN APPROVED WINTERIZATION

20. SEDIMENT AND DEBRIS SHALL BE REMOVED FROM TEMPORARY BASINS AND DRAIN INLETS AFTER EACH STORM. ALL SLOPES SHALL BE REPAIRED AS SOON AS POSSIBLE WHEN DAMAGED. PLAN.

21. HAUL ROADS ARE CURRENTLY NOT SHOWN ON THE PLANS. EROSION CONTROL MEASURES SHALL BE TO MINIMIZE EROSION RELATED TO HAUL ROADS.

22. SACKS SHALL BE CONSTRUCTED OF WOVEN POLYPROPYLENE, POLYETHYLENE, OR POLYMIDE FABRIC. MINIMUM FABRIC WEIGHT IS 4 OUNCES PER SQUARE YARD AND THE MULLEN BURST STRENGTH SHOULD EXCEED 300 PSI. MATERIALS SHOULD CONFORM TO ASTM D3786 AND HAVE ULTRAVIOLET STABILITY IN EXCESS OF 70 PERCENT ACCORDING TO ASTM D4355. BURLAP IS NOT ACCEPTABLE.

23. GRAVEL SACKS SHALL BE AT LEAST 4" HIGHER THAN THE FIBER ROLL AT THE NEAREST CATCH BASIN.

24. LIMIT THE QUANTITY AND TIME OF APPLICATION OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.

25. EXCEPT AS OTHERWISE DIRECTED BY THE INSPECTOR, DEVICES SHOWN ON THE EROSION CONTROL PLAN SHALL BE IN PLACE AT THE END OF THE WORK DAY. ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED WEEKLY, PRIOR TO A FORECAST STORM EVENT, DAILY DURING A STORM EVENT, AND AFTER THE STORM EVENT. DEFICIENCIES SHALL BE CORRECTED AS SOON AS PRACTICAL (NO MORE THAN 72 HOURS AFTER DEFICIENCY IS NOTED). ALL DAMAGED SLOPES SHALL BE REPAIRED AS SOON AS POSSIBLE. IF RILLS ARE OBSERVED, PUNCH STRAW/EMBANKMENT MATERIAL INTO VOIDS TO RE-ESTABLISH THE FINISHED GRADE. RESHAPE BARRIER OR REPLACE GRAVEL SACKS AS NEEDED AND PREVENT WATER FROM FLOWING AROUND THE ENDS OF EROSION CONTROL BARRIERS.

26. STANDBY CREWS SHALL BE ALERTED BY THE PERMITEE OR CONTRACTOR FOR EMERGENCY WORK DURING RAIN STORMS.

27. GRAVEL BAGS, CATCH BASINS AND INLETS SHALL BE CLEANED OUT WHENEVER SEDIMENT REACHES 1/2 INCH IN ELEVATION AGAINST THE BASE OF THE GRAVEL BAG. IT IS THE CONTRACTORS RESPONSIBILITY TO CLEAN AND SERVICE GRAVEL BAGS, FILTERS, AND SEDIMENT BARRIERS. REPAIR AND/OR REPLACE THEM WHEN THEY DO NOT FUNCTION PROPERLY. AFTER PAVING, ALL CATCH BASINS SHALL BE PROVIDED WITH INLET PROTECTION.

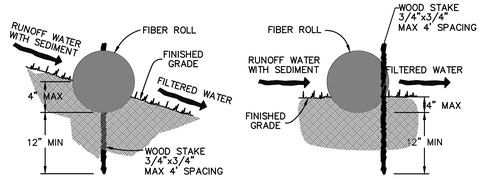
28. NEARBY OFF-SITE INLETS THAT MAY RECIEVE SEDIMENT-LADEN WATER SHALL BE PROTECTED. WITH EROSION CONTROL MEASURES.

29. ALL EQUIPMENT AND VEHICLES SHALL BE CLEAN OF GREASE AND/OR HYDRAULIC LEAKS. ALL TRUCK TIRES SHALL BE CLEANED PRIOR TO EXITING THE PROPERTY. AVOID CLEANING, FUELING, OR MAINTAIN VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASH WATER IS CONTAINED AND TREATED.

30. SHOULD IT APPEAR THAT THE EROSION CONTROL PLAN, OR ANY OTHER MATTER THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE BKF PROJECT ENGINEER AT (650) 482-6300 FOR FURTHER EXPLANATIONS AS MAY BE NECESSARY.

DUST CONTROL NOTES

1. ALL ACTIVE CONSTRUCTION AREAS SHALL BE WATERED AT LEAST TWICE DAILY.
2. ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED OR SHALL RETAIN AT LEAST TWO FEET OF FREEBOARD.
3. ALL UNPAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS AT THE CONSTRUCTION SITE SHALL BE EITHER PAVED, WATERED THREE TIMES DAILY, OR TREATED WITH NON-TOXIC SOIL STABILIZERS.
4. ALL PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS AT THE CONSTRUCTION SITE SHALL BE SWEPT (WITH WATER SWEEPERS) DAILY.
5. IF VISIBLE SOIL MATERIAL IS CARRIED ONTO PUBLIC STREETS, THE STREET SHALL BE SWEPT (WITH WATER SWEEPERS) DAILY. WATER ASSOCIATED WITH SWEEPING SHALL NOT ENTER THE STORM DRAIN SYSTEM.

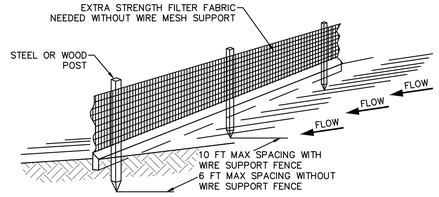


ENTRENCHMENT DETAIL IN SLOPE AREA

ENTRENCHMENT DETAIL IN FLAT AREA

NOTES:
1. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 4" DEEP, DUG ON CONTOUR.
2. ADJACENT ROLLS SHALL TIGHTLY ABUT.
3. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL.

1 FIBER ROLL
NTS

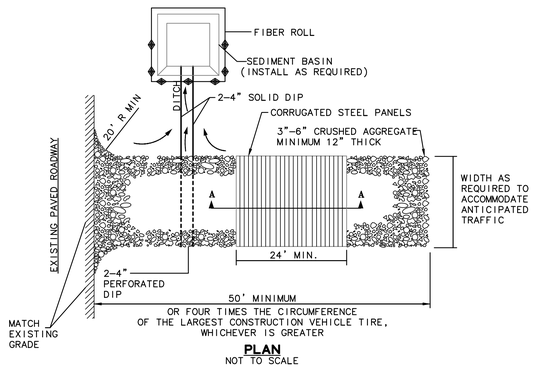


STANDARD DETAIL TRENCH WITH NATIVE BACKFILL

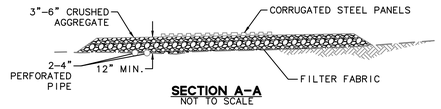
ALTERNATE DETAIL TRENCH WITH GRAVEL

NOTES:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

2 SILT FENCE
NTS



PLAN
NOT TO SCALE

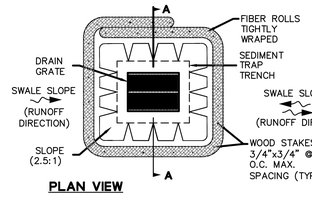


SECTION A-A
NOT TO SCALE

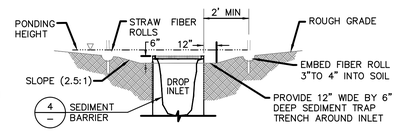
NOTES
1. ALL CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USE TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE REMOVED IMMEDIATELY.
2. WHEELS SHALL BE CLEAN PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE THROUGH USE OF INLET PROTECTION (E.G. SAND BAGS OR OTHER APPROVED METHODS).
3. THE MATERIAL FOR CONSTRUCTION OF THE PAD SHALL BE 3" TO 6" STONE.
4. THE THICKNESS OF THE PAD SHALL NOT BE LESS THAN 12".
5. THE WIDTH OF THE PAD SHALL NOT BE LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
6. THE LENGTH OF THE PAD SHALL NOT BE LESS THAN 50'.

3 STABILIZED CONSTRUCTION ENTRANCE/EXIT
NTS

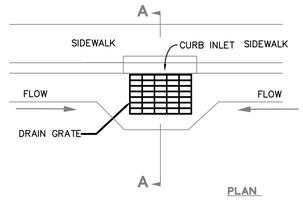
NOTES:
1. PLACE FIBER ROLLS AROUND THE INLET CONSISTENT WITH DROP INLET GRAVEL BAG PROTECTION AND CURB INLET GRAVEL BAG PROTECTION DETAILS SHOWN ON THIS SHEET. ROLLS ARE TUBES MADE FROM STRAW BOUND W/ PLASTIC NETTING, APPROX. 8" DIAMETER AND 20 TO 30 FEET LONG.
2. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE FIBER ROLL IN A TRENCH, 3" - 4" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL.
3. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. EXCAVATION OF A BASIN ADJACENT TO THE DROP INLET OR A
4. TEMPORARY DIKE ON THE DOWNSLOPE OF THE STRUCTURE MAY BE NECESSARY. TEMPORARY REMOVABLE TRASH RACK: IF SITE CONDITIONS WARRANT, PROVIDE AND INSTALL TRASH RACK MADE FROM GALVANIZED WELDED WIRE FABRIC WITH OPENING SIZE 2" BY 2" FORMED AND ATTACHED TO THE INLET TOP GRATE WITH STEEL WIRE TIES AND BURRY WELDED WIRE FABRIC 4" MINIMUM BELOW TEMPORARY ROUGH GRADE GROUND ELEVATION.



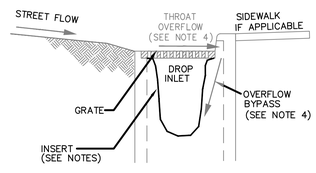
PLAN VIEW



SECTION A-A (DROP INLET/ SWALE LOW POINT)



PLAN



A-A SECTION

NOTES:
1. PROVIDE APPROVED CATCH BASIN INSERT FILTER BAG. CONTRACT SHALL INSTALL AND MAINTAIN FILTER BAG IN A MANNER THAT STORM DRAINAGE SYSTEM FLOWS ARE NOT OBSTRUCTED AND/OR IMPEDED.
2. INSPECT INLET PROTECTION DEVICE BEFORE AND AFTER RAIN EVENTS, AND WEEKLY THROUGHOUT THE RAINY SEASON. DURING EXTENDED RAIN EVENTS, INSPECT AT LEAST ONCE EVERY 24 HOURS.
3. REMOVE AND PROPERLY DISPOSE OF ACCUMULATED SILT AND DEBRIS TO ALLOW FOR PROPER FUNCTION OF DEVICE.
4. CONTRACTOR SHALL PROVIDE, INSPECT AND MAINTAIN INLET THROAT OVERFLOW RELIEF FOR ALL OFF-SITE AND ON-SITE INLETS AT ALL TIMES.

4 INLET SEDIMENT BARRIER
NTS EC-005

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REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES DALLOSTA No. 72339 CIVIL STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

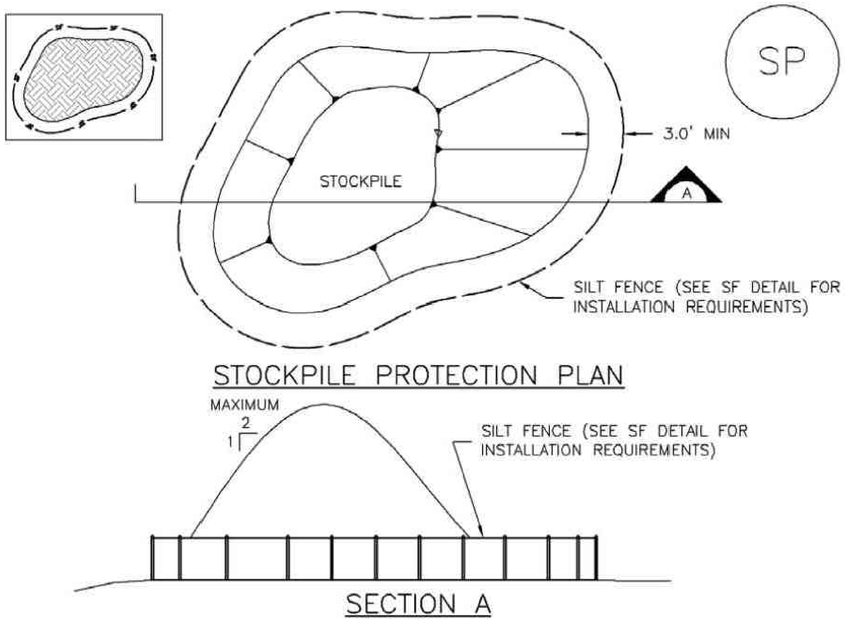
EROSION CONTROL DETAILS

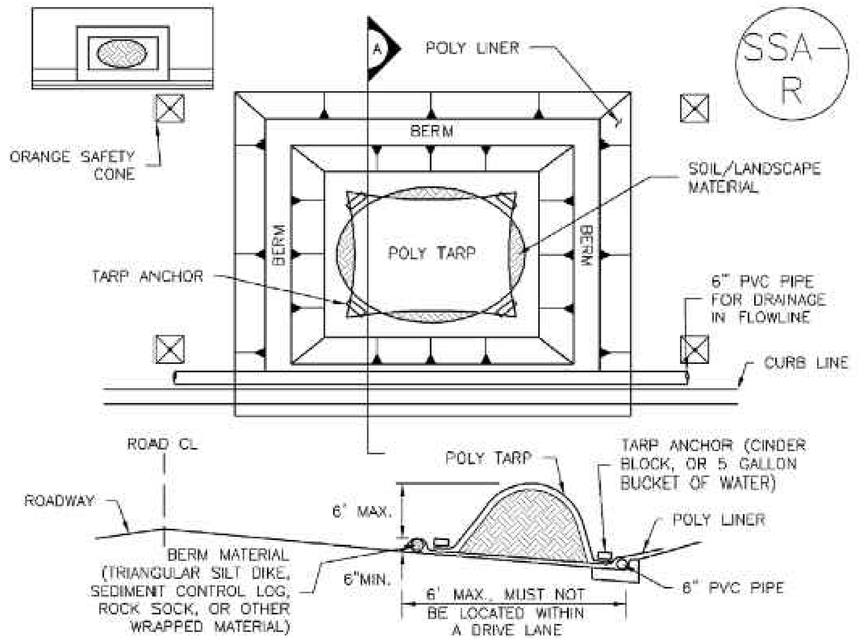
PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C9.1

DRAWING NAME: \\Bkf-rc\vol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C10.0 EROSION CONTROL PLAN.dwg
PLOT DATE: 10-18-23
PLOTTED BY: penc





1 **STOCKPILE PROTECTION**
NTS

DRAWING NAME: \\Bk1-rc\Vol4\2021\20178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C10.0 EROSION CONTROL PLAN.dwg
PLOT DATE: 10-18-23 PLOTTED BY: penc

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215 BAY RD,
MENLO PARK, CA 94025

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

EROSION CONTROL DETAILS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

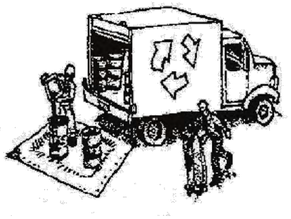
C9.2

SAN MATEO COUNTYWIDE
Water Pollution Prevention Program
Clean Water. Healthy Community.

Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Materials & Waste Management



Non-Hazardous Materials

- ❑ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- ❑ Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- ❑ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ❑ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ❑ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ❑ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ❑ Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- ❑ Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
- ❑ Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- ❑ Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- ❑ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

Construction Entrances and Perimeter

- ❑ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ❑ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



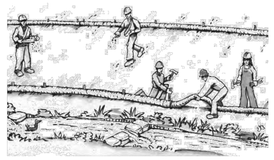
Maintenance and Parking

- ❑ Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- ❑ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ❑ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ❑ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ❑ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

Spill Prevention and Control

- ❑ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ❑ Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- ❑ Clean up spills or leaks immediately and dispose of cleanup materials properly.
- ❑ Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- ❑ Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- ❑ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ❑ Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Earthmoving



- ❑ Schedule grading and excavation work during dry weather.
- ❑ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ❑ Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- ❑ Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- ❑ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

- ❑ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
  - Unusual soil conditions, discoloration, or odor.
  - Abandoned underground tanks.
  - Abandoned wells
  - Buried barrels, debris, or trash.

Paving/Asphalt Work



- ❑ Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ❑ Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- ❑ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- ❑ Do not use water to wash down fresh asphalt concrete pavement.

Sawcutting & Asphalt/Concrete Removal

- ❑ Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- ❑ Shovel, abosorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ❑ If sawcut slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar Application



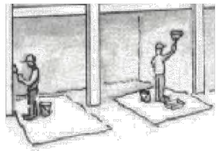
- ❑ Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- ❑ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- ❑ When washing exposed aggregate, prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

Landscaping



- ❑ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ❑ Stack bagged material on pallets and under cover.
- ❑ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

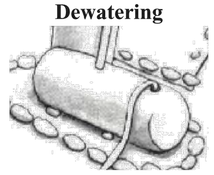
Painting & Paint Removal



Painting Cleanup and Removal

- ❑ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ❑ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ❑ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- ❑ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- ❑ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.

Dewatering



- ❑ Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- ❑ Divert run-on water from offsite away from all disturbed areas.
- ❑ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ❑ In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Storm drain polluters may be liable for fines of up to $10,000 per day!

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CONSULTANTS

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STAMP

REGISTERED PROFESSIONAL ENGINEER
JAMES W. DALESSIO
No. 72339
CIVIL
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
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	PHASE 1 - 75% PS&E	11.04.22
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	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
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1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

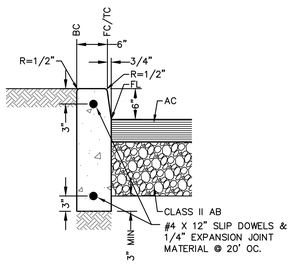
BEST MANAGEMENT PRACTICES

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

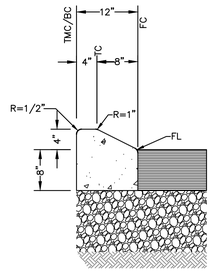
C9.3

DRAWING NAME: \\bkf-rc\vol4\2021\210178_reimagine_flood_park_design\ENG\CD\SHEETS\C10.0 EROSION CONTROL PLAN.dwg
PLOT DATE: 10-18-23 PLOTTED BY: penc



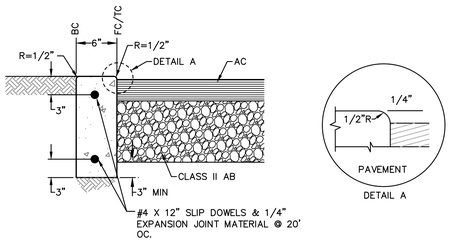
NOTES:
1. MATERIAL FOR EXPANSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 1751.
2. REFER TO THE RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER FOR SUBGRADE PREPARATION.

1 – 6" VERTICAL CURB
NTS



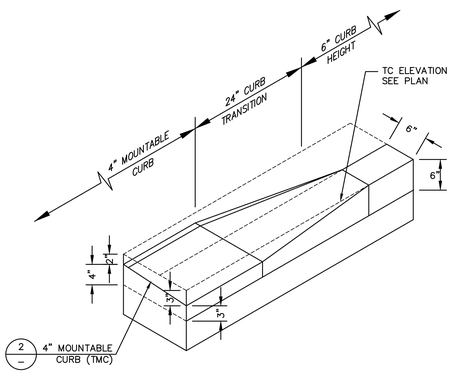
NOTES:
1. MATERIAL FOR EXPANSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 1751.
2. REFER TO RECOMMENDATIONS BY GEOTECH ENGINEER FOR SUBGRADE PREPARATION.

2 – 4" MOUNTABLE CURB
NTS

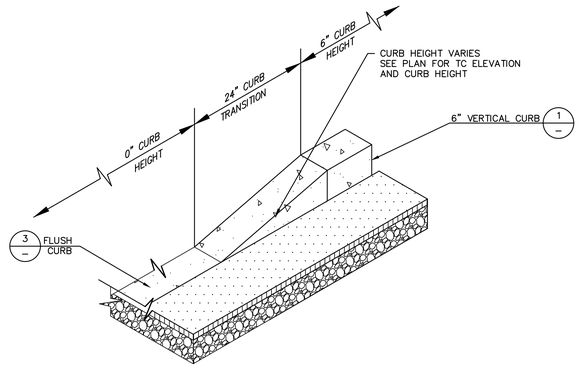


NOTES:
1. MATERIAL FOR EXPANSION JOINTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 1751.
2. REFER TO THE RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER FOR SUBGRADE PREPARATION.

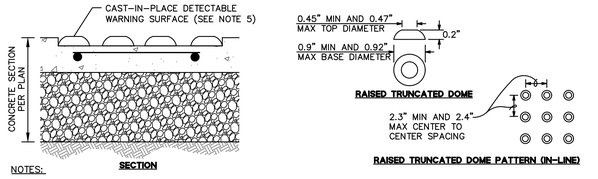
3 – FLUSH CURB
NTS



4 – 4" MC TO 6" VC TRANSITION
NTS



5 – FLUSH CURB TO 6" VC TRANSITION
NTS

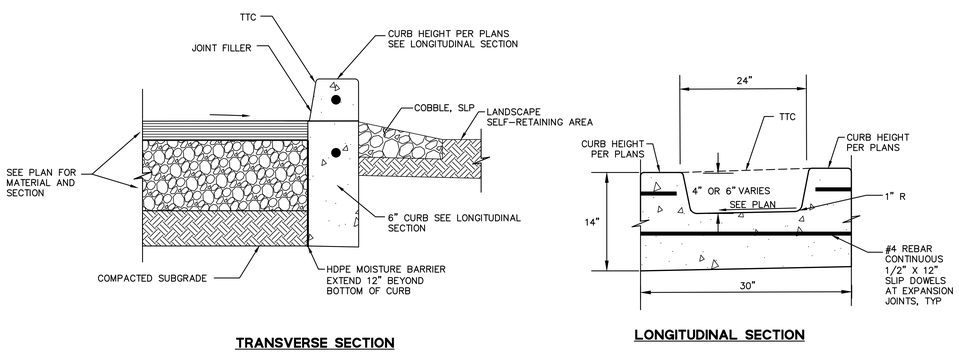


SECTION

RAISED TRUNCATED DOME PATTERN (IN–LINE)

NOTES:
1. RAISED TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL BE SIZED AND SPACED PER CBC SECTIONS 11B–705.1.1.1 AND 11B–705.1.1.2
2. DETECTABLE WARNING SURFACES SHALL BE WHITECAP "PEARL WHITE" AND COLOR 37875.
3. DETECTABLE WARNINGS AT CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN LESS 2 INCHES MAXIMUM ON EACH SIDE, EXCLUDING FLARED SIDES (CBC SECTION 11B–705.1.2.2).
4. DETECTABLE WARNINGS AT CURB RAMPS (EXCEPT PARALLEL CURB RAMPS) SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER, STREET OR HIGHWAY (CBC SECTION 11B–705.1.2.2).
5. ONLY APPROVED DSA–AC DETECTABLE WARNING PRODUCTS AND DIRECTIONAL SURFACES SHALL BE INSTALLED (CBC SECTION 11B–705.3).

6 – DETECTABLE WARNING SURFACE
NTS

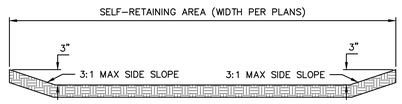


TRANSVERSE SECTION

LONGITUDINAL SECTION

NOTES:
1. FOR FINISHED GRADE OF LANDSCAPE AREAS NEXT TO CURB CUTS SLP.

7 – CURB CUT
NTS



8 – SELF-RETAINING AREA
NTS

cmg
Landscape Architecture
444 Bryant St
San Francisco, CA 94107
415.495.3070
www.cmgsite.com

OWNER/CLIENT
SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS
BKF

PROJECT NAME
FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP
REGISTERED PROFESSIONAL ENGINEER JAMES W. DALESSI No. 72339 CIVIL STATE OF CALIFORNIA

PHASE
PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

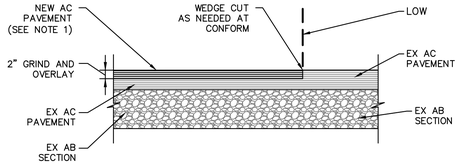
COUNTY OF SAN MATEO - DPW STAMP
REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA
11/07/2023

SHEET TITLE
DETAILS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER
C10.0

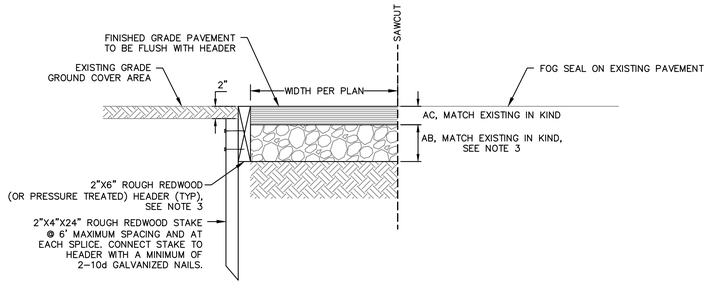
DRAWING NAME: \\Bkf-rc\vol4\2021\21017B_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C11.0 DETAILS.dwg
PLOT DATE: 10-18-23 PLOTTED BY: penc



NOTE:

1. GRIND EXISTING AC 2" MIN AND OVERLAY TO MATCH EX STREET CROSS SLOPE, SEE PLANS FOR LIMIT OF OVERLAY.

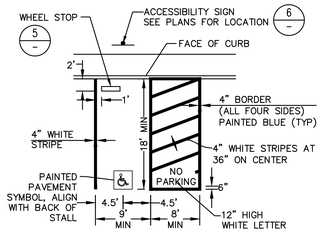
1 — 2" GRIND AND OVERLAY
NTS

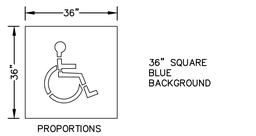


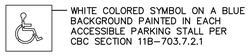
NOTES:

1. ALL REDWOOD SHALL BE CONSTRUCTION HEART GRADE.
2. ALL STAKES SHALL BE INSTALLED ON LANDSCAPE SIDE OF REDWOOD HEADER.
3. CONTRACTOR TO CONFIRM PAVEMENT SECTION DEPTH PRIOR TO PLACING REDWOOD HEADER. REDWOOD HEADER TO MATCH OR EXTEND PAST BOTTOM OF AB LAYER.

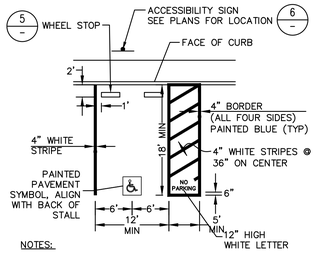
2 — REDWOOD HEADER
NTS







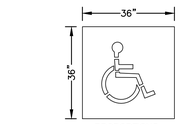
PAINTED PAVEMENT SYMBOL

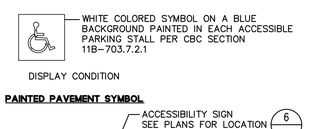


NOTES:

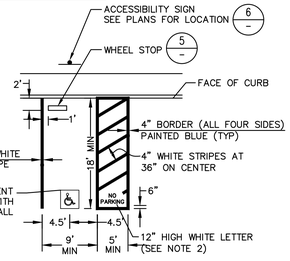
1. EACH ACCESSIBLE SPACE SHALL HAVE SURFACE IDENTIFICATION IN COMPLIANCE WITH CBC SECTIONS 11B-502.6.4.1 OR 11B-502.6.4.2.
2. "NO PARKING" PAVEMENT MARKING SHALL BE 12" HIGH WHITE LETTERS AND SHALL BE LOCATED TO BE VISIBLE FROM ADJACENT VEHICULAR WAY. (CBC 11B-502.3.3)
3. SURFACE OF PARKING SPACE AND ACCESS AISLE SHALL NOT BE STEEPER THAN 1:48 (2%) IN ANY DIRECTION. NO CHANGES IN ELEVATION ARE ALLOWED. (CBC 11B-502.4)
5. ACCESS AISLE SHALL BE LOCATED ON THE PASSENGER SIDE OF VEHICLE PARKING SPACE. (CBC 11B-502.3.4)
7. ON THE GROUND, AT THE ACCESSIBLE PARKING LOADING/UNLOADING AISLE, A PAINTED SIGN INDICATING "NO PARKING" SHALL BE PAINTED IN 12" HIGH WHITE LETTERS AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS PER CBC 11B-502.3.3.

4 — VAN ADA PARKING STALL
NTS





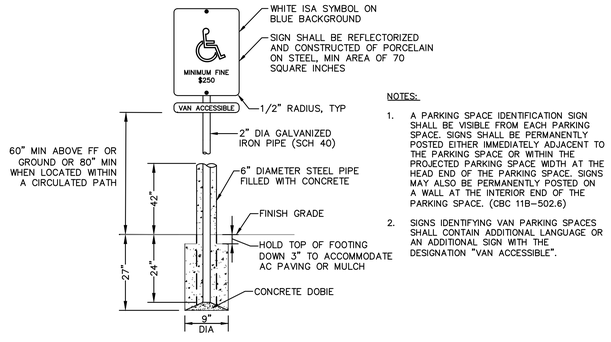
PAINTED PAVEMENT SYMBOL



NOTES:

1. EACH ACCESSIBLE SPACE SHALL HAVE SURFACE IDENTIFICATION IN COMPLIANCE WITH CBC SECTIONS 11B-502.6.4.1 OR 11B-502.6.4.2.
2. "NO PARKING" PAVEMENT MARKING SHALL BE 12" HIGH WHITE LETTERS AND SHALL BE LOCATED TO BE VISIBLE FROM ADJACENT VEHICULAR WAY. (CBC 11B-502.3.3)
3. SURFACE OF PARKING SPACE AND ACCESS AISLE SHALL NOT BE STEEPER THAN 1:48 (2%) IN ANY DIRECTION. NO CHANGES IN ELEVATION ARE ALLOWED. (CBC 11B-502.4)
4. VERTICAL CLEARANCE SHALL NOT BE LESS THAN 8'-2". (CBC 11B-502.5)
5. ACCESS AISLE SHALL BE LOCATED ON EITHER SIDE OF VEHICLE PARKING SPACE. (CBC 11B-502.3.4)

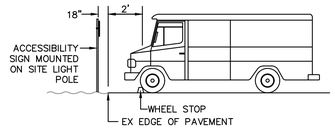
3 — STANDARD ADA PARKING STALL
NTS

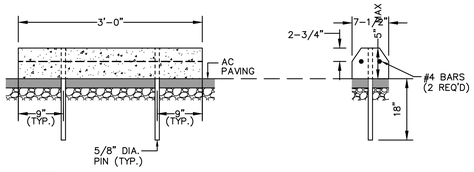


NOTES:

1. A PARKING SPACE IDENTIFICATION SIGN SHALL BE VISIBLE FROM EACH PARKING SPACE. SIGNS SHALL BE PERMANENTLY POSTED EITHER IMMEDIATELY ADJACENT TO THE PARKING SPACE OR WITHIN THE PROJECTED PARKING SPACE WIDTH AT THE HEAD END OF THE PARKING SPACE. SIGNS MAY ALSO BE PERMANENTLY POSTED ON A WALL AT THE INTERIOR END OF THE PARKING SPACE. (CBC 11B-502.6)
2. SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN WITH THE DESIGNATION "VAN ACCESSIBLE".

6 — ACCESSIBLE PARKING SIGN
NTS





NOTE:

1. PROVIDE WHEEL STOP IN COMPLIANCE WITH CBC SECTION 11B-502.7.2

5 — CONCRETE WHEEL STOP
NTS

cmg
Landscape Architecture
444 Bryant St
San Francisco, CA 94107
415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES DALLOSTA No. 72339 CIVIL STATE OF CALIFORNIA

PHASE

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	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

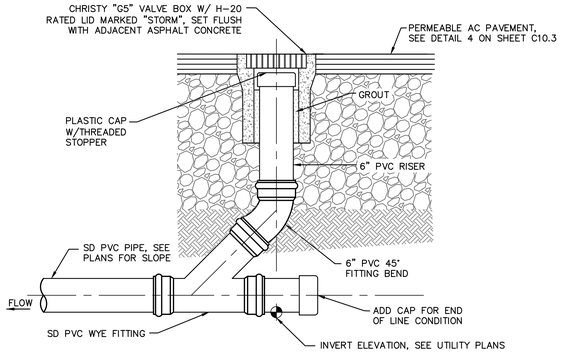
DETAILS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C10.1

DRAWING NAME: \\Bkf-rcvol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C11.0 DETAILS.dwg
PLOT DATE: 10-27-23
PLOTTED BY: penc



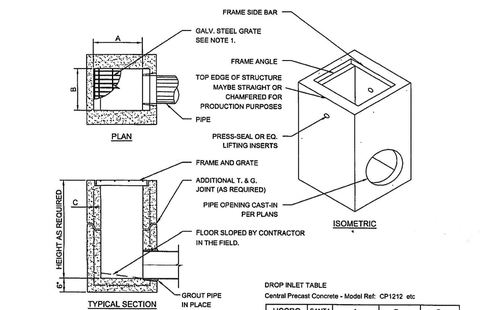
STORM DRAIN CLEANOUT WITH TRAFFIC RATED LID

1 / – NTS

Oldcastle Precast

Water

Various Sizes
Santa Rosa Catch Basins
Model: CB-1212-4848



DROP INLET TABLE
Central Precast Concrete - Model Ref: CP1212 etc

USCPG MODEL No.	SANTA ROSA REF.	A IN	A MM	B IN	B MM	C IN	C MM
CB1212	1K	12	300	12	300	4	100
CB1818	CK	18	450	18	450	5	125
CB1824	1K*	18	450	24	600	5	125
CB2424	2K	24	600	24	600	5	125
CB2430	3K	24	600	30	750	5	125
CB3030	5K	30	750	30	750	6	150
CB2436	1L	24	600	36	900	6	150
CB3636	1M	36	900	36	900	6	150
CB2448	3L	24	600	48	1200	6	150
CB3648	3M	36	900	48	1200	6	150
CB4848	1R	48	1200	48	1200	6	150

NOTES:
1. FRAMES AND GRATES MAY BE SPECIFIED FOR PEDESTRIAN OR TRAFFIC LOADING. ALL GRATES ARE BICYCLE PROOF. OPTIONAL GRATE LOCKING DEVICE AVAILABLE ON REQUEST SEE DRAWING "LOCK" ON PAGE 1-7. CLOSED- MESH GRATES OR CAST IRON FRAME AND GRATES ARE AVAILABLE ON REQUEST.
2. FOR SURFACE AND DISCHARGE OPTIONS AVAILABLE SEE DRAWING NO. 'DI-SD' PAGE 1-4, 1-6 AND 'DI-DO' PAGE 1-5.
3. FRAMES AND GRATES DETAILS SEE PAGES 1-8, 1-9, AND 1-10. CASTING 1-13, DROPIN 1-14,
4. WALL THICKNESS ON SOME D.I.S. CAN BE CHANGED UPON REQUEST. CALL TO VERIFY RECD THICKNESS
5. 18" WIDE D.I.'S REPLACE THE OLD 15" WIDE BOX BK & 1K *
6. FOR PIPE / HOLE SCHEDULE SEE DWG. DI-HS PAGE 1-16.
7. FOR DROP INLET SURFACE OPTIONS SEE DWG. DI-SO PAGE 1-6.

Northern California Region

For more information about our products please visit us on the web at: oldcastleprecast.com
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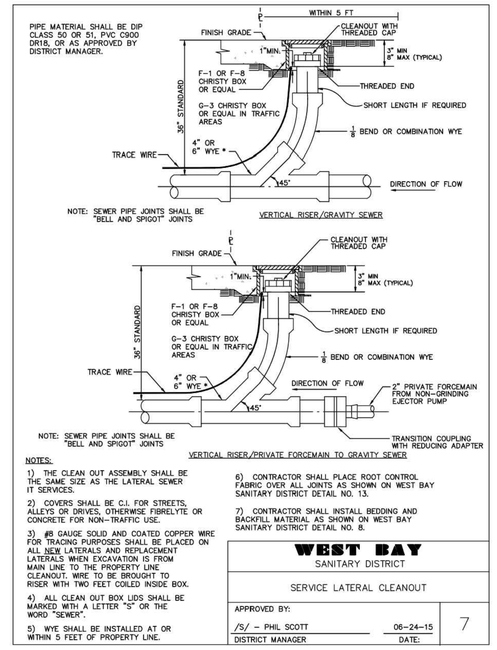
707-546-5016

STORM DRAIN DROP INLET

2 / – NTS



NOTES:

1) THE CLEAN OUT ASSEMBLY SHALL BE THE SAME SIZE AS THE LATERAL SEWER IT SERVICES.

2) COVERS SHALL BE C.I. FOR STREETS, ALLEYS OR DRIVES, OTHERWISE FIBRELYTE OR CONCRETE FOR NON-TRAFFIC USE.

3) #8 GAUGE SOLID AND COATED COPPER WIRE FOR TRACING PURPOSES SHALL BE PLACED ON ALL NEW LATERALS AND REPLACEMENT LATERALS WHEN EXCAVATION IS FROM MAIN LINE TO THE PROPERTY LINE CLEANOUT. WIRE TO BE BROUGHT TO RISER WITH TWO FEET COILED INSIDE BOX.

4) ALL CLEAN OUT BOX LIDS SHALL BE MARKED WITH A LETTER "S" OR THE WORD "SEWER".

5) WYE SHALL BE INSTALLED AT OR WITHIN 5 FEET OF PROPERTY LINE.

6) CONTRACTOR SHALL PLACE ROOT CONTROL FABRIC OVER ALL JOINTS AS SHOWN ON WEST BAY SANITARY DISTRICT DETAIL NO. 13.

7) CONTRACTOR SHALL INSTALL BEDDING AND BACKFILL MATERIAL AS SHOWN ON WEST BAY SANITARY DISTRICT DETAIL NO. 8.

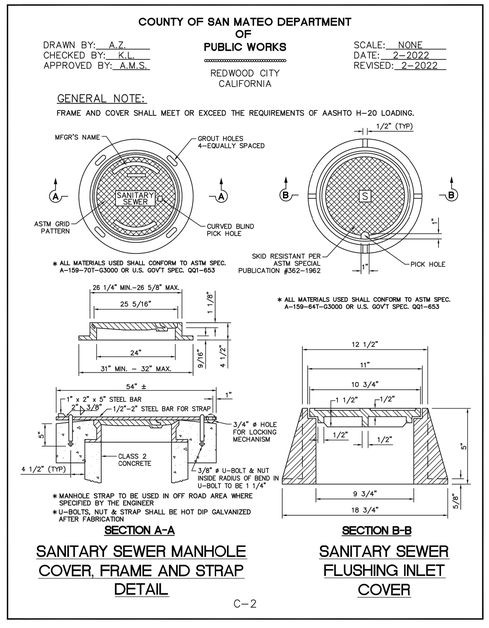
WEST BAY
SANITARY DISTRICT

SERVICE LATERAL CLEANOUT

APPROVED BY:
/S/ – PHIL SCOTT — DISTRICT MANAGER
DATE: 06-24-15
7

SANITARY SEWER CLEANOUT

3 / – NTS



SANITARY SEWER MANHOLE

4 / – NTS

STANDARDS FOR SYSTEM AND ALL SERVICE CONNECTIONS:

1. NO DIRECT TAP. SERVICE CONNECTION SHALL BE WET TAP ONLY USING DOUBLE STRAPPED BRONZE SADDLE. WORK TO BE PERFORMED BY CONTRACTOR PRE-APPROVED BY THE CITY.
2. FOR 3/4" AND 1" SERVICES, POLYETHYLENE TUBING (PE 3406) WITH MUELLER INSTA-TITE FITTINGS IS ALLOWED. SEE WA-17.
3. FOR 3/4" TO 2" SERVICES, TYPE "K" SOFT COPPER TUBING (ASTM B-88-62) IS REQUIRED WITH FLARED OR PACKED JOINT COUPLING OR FLANGED COMPRESSION FITTINGS (NO SOLDERED JOINTS ARE ALLOWED).
4. FOR 3" AND 4" SERVICES, USE C-900 PIPE WITH MEGALUG MECHANICAL JOINTS (SEE ITEM 8 BELOW) OR DUCTILE IRON PIPE WITH MECHANICAL OR FLANGED JOINTS. NO PUSH ON JOINTS ALLOWED. SEE WA-22.
5. FOR FIRE SERVICE AND HYDRANT CONNECTIONS, CONTACT MENLO PARK FIRE PROTECTION DISTRICT FOR UNDERGROUND STANDARDS AND APPROVAL OF ONSITE DESIGN. SEE WA-6.
6. RESURFACING AND BACKFILL IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO CITY OF MENLO PARK STANDARD DETAILS ST 9A, ST-9B, AND ST-16 OR AS DIRECTED BY ENGINEERING SERVICE MANAGER.
7. USE FUSION EPOXY COATED (EXTERIOR AND INTERIOR) MUELLER FULL BODIED TAPPING SLEEVE #H-615. USE STAINLESS STEEL BOLTS, TRIM, AND SLEEVES. FOR AC PIPES USE STAINLESS STEEL SLEEVES.
8. ALL BURIED FERROUS (IRON) FITTINGS AND VALVES SHALL BE FUSION EPOXY COATED (EXTERIOR AND INTERIOR) AND WRAPPED WITH SINGLE LAYER OF 8 mm POLYETHYLENE COVERING, WITH ENDS TAPED.
9. JOINTS SHALL BE MECHANICAL, FLANGED OR FLEX (NO PUSH ON JOINTS ALLOWED). JOINTS SHALL BE FUSION EPOXY COATED (EXTERIOR AND INTERIOR).
10. 2" NUT MUELLER A-2360 RESILIENT WEDGE GATE VALVES SHALL BE FUSION EPOXY COATED (EXTERIOR AND INTERIOR).

SPECIFIC STANDARDS FOR AREAS NORTH AND EAST (BAY SIDE) OF HIGHWAY 101 (CORROSIVE SOIL CONDITIONS):

11. USE # 316 STAINLESS STEEL BOLTS, TRIM, AND SLEEVES, BOTH ABOVE AND BELOW GRADE.
12. USE C-900, OR APPROVED EQUAL PVC (POLYVINYL CHLORIDE) PIPE, WITH #8 BLUE LOCATOR WIRE, SINGLE LENGTH WITH INSULATION INTACT.

SPECIFIC STANDARDS FOR AREAS SOUTH AND WEST (UP-HILL SIDE) OF HIGHWAY 101:

13. USE #304 STAINLESS STEEL BOLTS, TRIM, AND SLEEVES BOTH ABOVE AND BELOW GRADE.
14. USE DUCTILE IRON PIPE, WITH SINGLE LAYER OF 8 MIL POLYETHYLENE COVERING. (SEE CALIFORNIA CODE OF REGULATIONS, TITLE 22, § 64622 FOR MATERIAL STANDARDS).
15. MASTIC COATING WITH DOUBLE WRAPPED 8 mm POLYETHYLENE COVERING MAY BE USED UPON APPROVAL OF ENGINEERING SERVICE MANAGER.

CITY OF MENLO PARK STANDARD DETAILS

WATER SERVICE AND SYSTEM STANDARDS

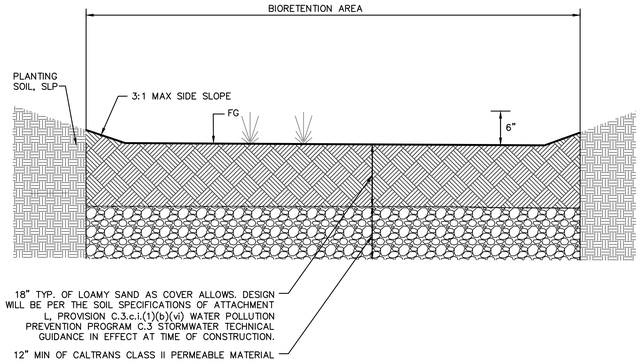
APPROVED — ENGINEERING SERVICES MANAGER, R.C.E. No.70736

STD. DETAIL No. WA-23

DRAWN EJE/JD | CHECKED GP | DATE 2/14/12 | SCALE NTS | SHEET 1 OF 1

WATER SERVICE AND SYSTEM STANDARDS

5 / – NTS



NOTES:

1. SEE GRADING PLANS FOR FINISH GRADE OF BIORETENTION AREAS.
2. SEE LANDSCAPE PLANS & SPECIFICATIONS FOR PLANTING MATERIALS WITHIN BIORETENTION AREAS.
3. ALL BIORETENTION SOILS USED, SHALL BE PER ATTACHMENT L PROVISION C.3.c.i.(1)(b)(vi) OF THE SAN MATEO COUNTYWIDE WATER POLLUTION PREVENTION PROGRAM C.3 STORMWATER TECHNICAL GUIDANCE IN EFFECT AT TIME OF CONSTRUCTION.
4. PLACE COBBLE FLUSH WITH CHANNEL SURFACE AROUND ALL STRUCTURES WITHIN BIORETENTION AREA EXTENDING 12" TYPICAL FROM EDGE OF STRUCTURE. SEE LANDSCAPE PLANS FOR COBBLE SIZE AND COLOR.

BIORETENTION

6 / – NTS

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OWNER/CLIENT

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PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER — JAMES W. VALLOS JR. — No. 72339 — CIVIL — STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER — ANN MADER STILLMAN — C 47882 — EXPIRES 12/31/23 — CIVIL — STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

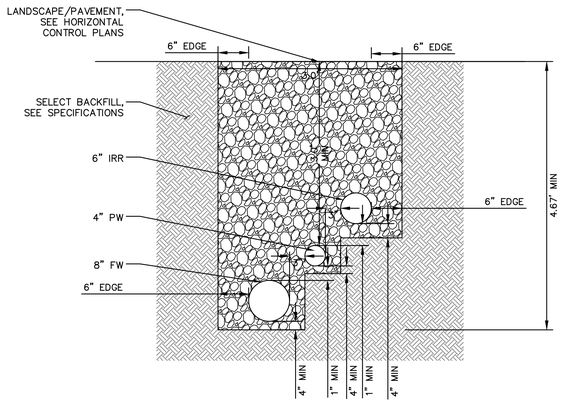
DETAILS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

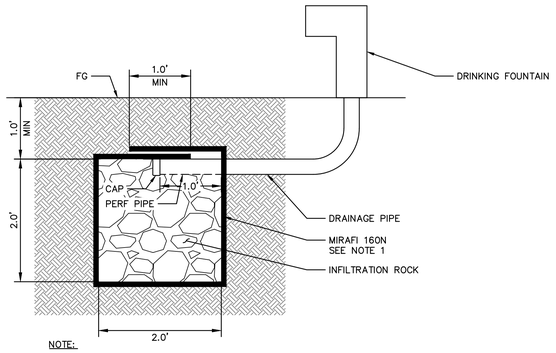
SHEET NUMBER

C10.2

DRAWING NAME: \\Bkf-rc\vol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C11.0 DETAILS.dwg
PLOT DATE: 10-18-23 PLOTTED BY: penc



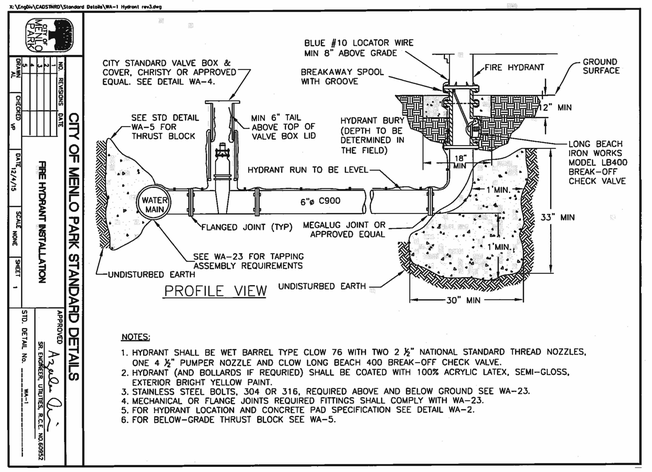
1 — WATER STEP TRENCH
NTS



NOTE:

1. PROVIDE 12" MINIMUM OVERLAP FOR MIRAFI WRAPPING.
2. CONTRACTOR TO PROVIDE LOCATIONS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL.

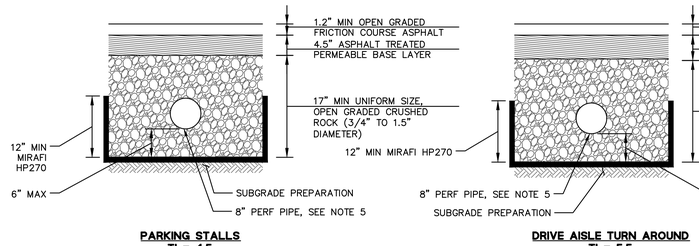
2 — INFILTRATION PIT
NTS



NOTES:

1. HYDRANT SHALL BE WET BARREL TYPE CLOW 76 WITH TWO 2 ½" NATIONAL STANDARD THREAD NOZZLES, ONE 4 ½" PUMPER NOZZLE AND CLOW LONG BEACH 400 BREAK-OFF CHECK VALVE.
2. HYDRANT (AND BOLLARDS IF REQUIRED) SHALL BE COATED WITH 100% ACRYLIC LATEX, SEMI-GLOSS, EXTERIOR BRIGHT YELLOW PAINT.
3. STAINLESS STEEL BOLTS, 304 OR 316, REQUIRED ABOVE AND BELOW GROUND SEE WA-23.
4. MECHANICAL OR FLANGE JOINTS REQUIRED FITTINGS SHALL COMPLY WITH WA-23.
5. FOR HYDRANT LOCATION AND CONCRETE PAD SPECIFICATION SEE DETAIL WA-2.
6. FOR BELOW-GRADE THRUST BLOCK SEE WA-5.

3 — FIRE HYDRANT
NTS



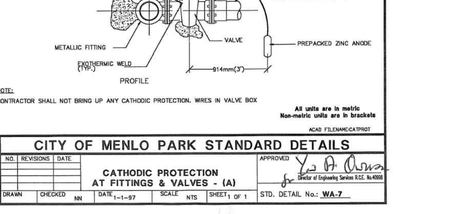
PARKING STALLS
TI = 4.5

DRIVE AISLE TURN AROUND
TI = 5.5

NOTES:

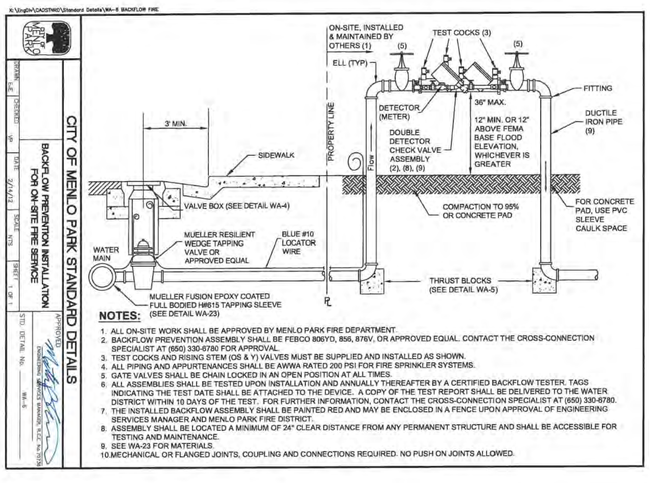
1. REFER TO THE GEOTECHNICAL ENGINEER RECOMMENDATION FOR AB COMPACTION REQUIREMENTS.
2. REFER TO THE GEOTECHNICAL ENGINEER RECOMMENDATION FOR SUBGRADE PREPARATION.
3. A PRODUCT SUBMITTAL INCLUDING TESTING INFORMATION FOR CLASS II AB AND CRUSHED STONE (ASTM C33 NO. 8 AND 57) SHALL BE SUBMITTED TO THE CIVIL AND GEOTECHNICAL ENGINEER FOR APPROVAL PRIOR TO BRINGING THE MATERIAL TO THE SITE. A COMPACTION CURVE (ASTM D1557) SHOULD BE PROVIDED FOR THE MATERIAL AND IF ONE IS NOT AVAILABLE THEN THIS TEST SHOULD BE PERFORMED AND SUBMITTED TO THE GEOTECHNICAL ENGINEER FOR APPROVAL PRIOR TO USE AT THE SITE.
4. GEOTECHNICAL ENGINEER SHALL BE PRESENT AND PROVIDE RECOMMENDATIONS DURING COMPACTION ACTIVITIES AND PRIOR TO SECTION INSTALLATION.
5. SUB-DRAINAGE SHALL BE PROVIDED AT LOW SIDE OF PERMEABLE AC ROADWAY ADJACENT TO CURB.

4 — PERMEABLE AC PAVEMENT SECTION
NTS



5 — FIRE DEPARTMENT CONNECTION ASSEMBLY
NTS

6 — WATER STEP TRENCH AT ADOBE BLDG
NTS



NOTES:

1. ALL ON-SITE WORK SHALL BE APPROVED BY MENLO PARK FIRE DEPARTMENT.
2. BACKFLOW PREVENTION ASSEMBLY SHALL BE FEBCO 806YD, 856, 876V, OR APPROVED EQUAL. CONTACT THE CROSS-CONNECTION SPECIALIST AT (650) 330-6780 FOR APPROVAL.
3. TEST COCKS AND RISING STEM (OS & Y) VALVES MUST BE SUPPLIED AND INSTALLED AS SHOWN.
4. ALL PIPING AND APPURTENANCES SHALL BE AWWA RATED 200 PSI FOR FIRE SPRINKLER SYSTEMS.
5. GATE VALVES SHALL BE CHAIN LOCKED IN AN OPEN POSITION AT ALL TIMES.
6. ALL ASSEMBLIES SHALL BE TESTED UPON INSTALLATION AND ANNUALLY THEREAFTER BY A CERTIFIED BACKFLOW TESTER. TAGS INDICATING THE TEST DATE SHALL BE ATTACHED TO THE DEVICE. A COPY OF THE TEST REPORT SHALL BE DELIVERED TO THE WATER DISTRICT WITHIN 10 DAYS OF THE TEST. FOR FURTHER INFORMATION, CONTACT THE CROSS-CONNECTION SPECIALIST AT (650) 330-6780.
7. THE INSTALLED BACKFLOW ASSEMBLY SHALL BE PAINTED RED AND MAY BE ENCLOSED IN A FENCE UPON APPROVAL OF ENGINEERING SERVICES MANAGER AND MENLO PARK FIRE DISTRICT.
8. ASSEMBLY SHALL BE LOCATED A MINIMUM OF 24" CLEAR DISTANCE FROM ANY PERMANENT STRUCTURE AND SHALL BE ACCESSIBLE FOR TESTING AND MAINTENANCE.
9. SEE WA-23 FOR MATERIALS.
10. MECHANICAL OR FLANGED JOINTS, COUPLING AND CONNECTIONS REQUIRED. NO PUSH ON JOINTS ALLOWED.

7 — FIRE SERVICE BACKFLOW PREVENTER
NTS

8 — CATHODIC PROTECTION AT FITTINGS & VALVES
NTS

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES DALOSTO No. 72339 CIVIL STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN No. C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

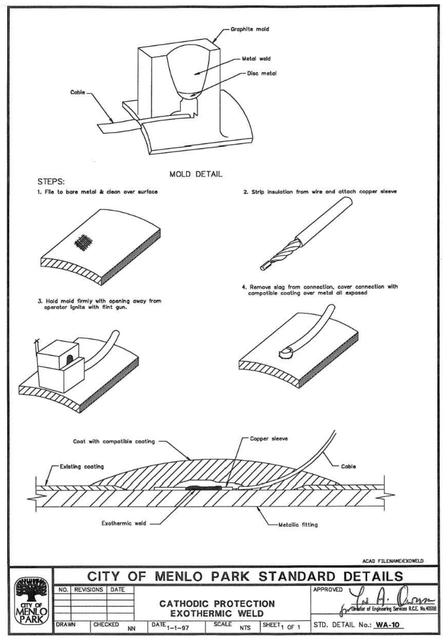
DETAILS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

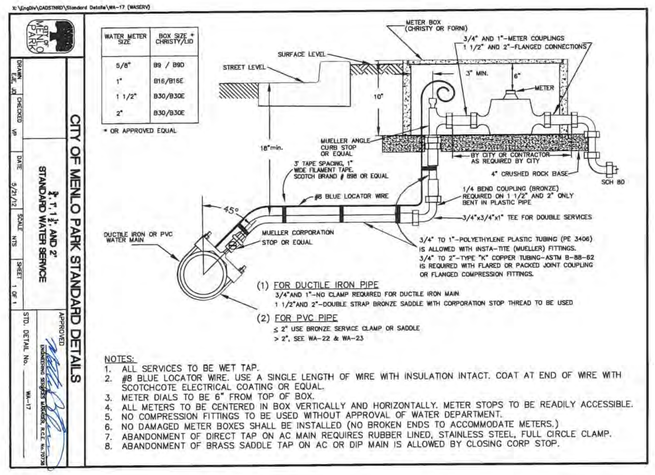
SHEET NUMBER

C10.3

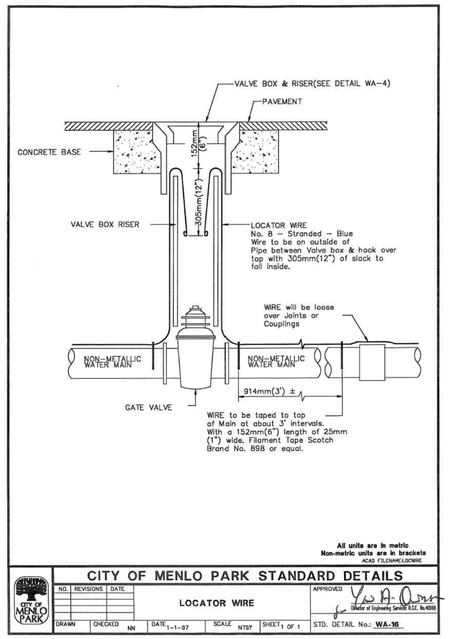
DRAWING NAME: \\Bkf-cvol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C11.0 DETAILS.dwg
PLOT DATE: 10-18-23
PLOTTED BY: penc



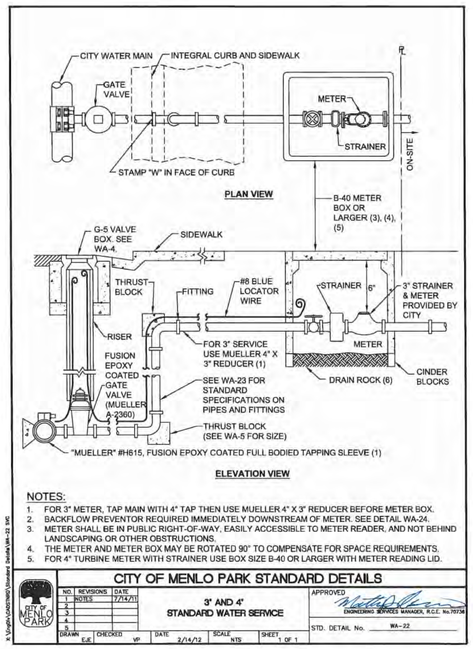
1 – **CATHODIC PROTECTION WITH EXOTHERMIC WELD**
NTS



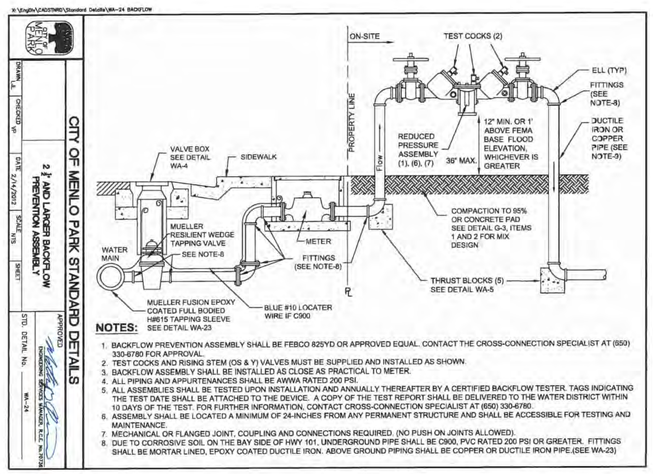
2 – **3/4", 1", 1 1/2", AND 2" WATER SERVICE**
NTS



3 – **LOCATOR WIRE**
NTS



4 – **3" AND 4" WATER SERVICE**
NTS



5 – **2 1/2" AND LARGER BACKFLOW PREVENTER**
NTS

6 – **NOT USED**
NTS

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES W. VALLOS JR. No. 72339 CIVIL STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN WADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

DETAILS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C10.4

DRAWING NAME: \\Bkl-rc\vol4\2021\210178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C11.0 DETAILS.dwg
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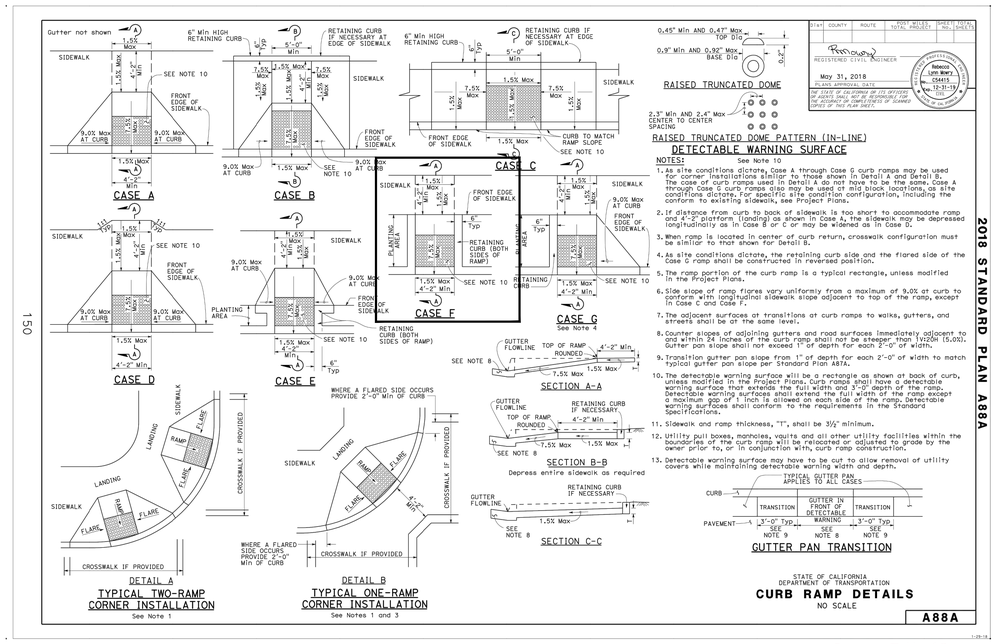

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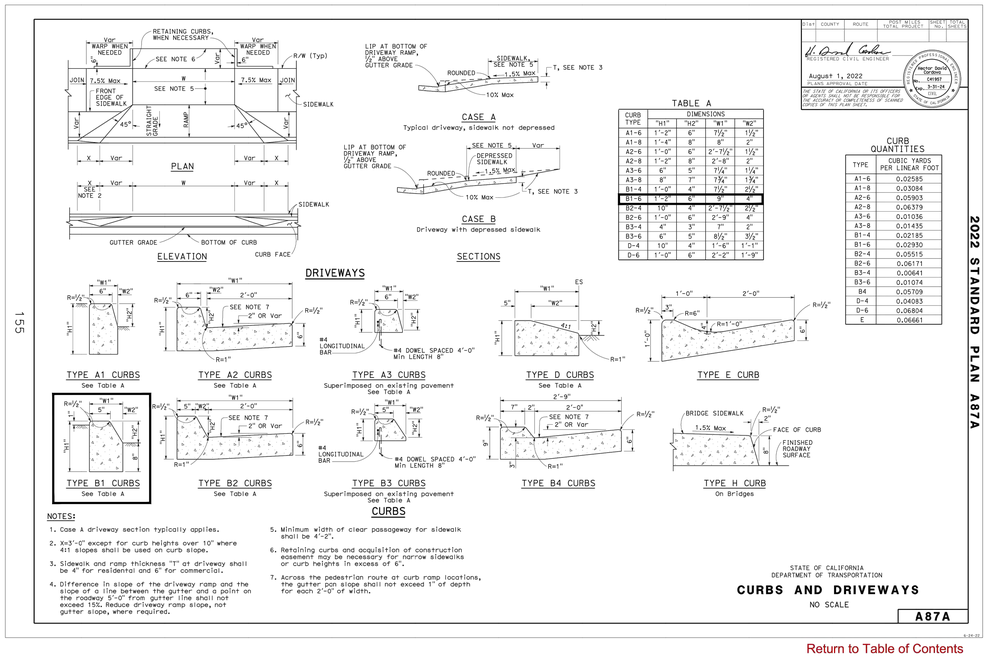
Return to Table of Contents

1 – CALTRANS STANDARD CURB RAMP DETAILS
NTS



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Return to Table of Contents

3 – CALTRANS STANDARD CURBS AND DRIVEWAYS DETAILS
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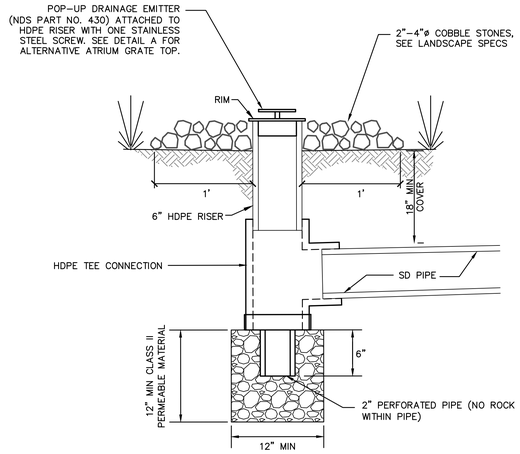
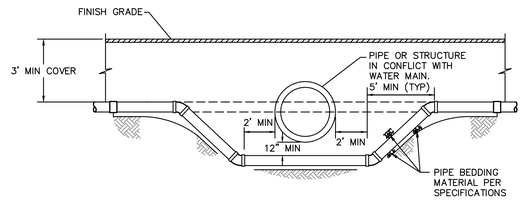
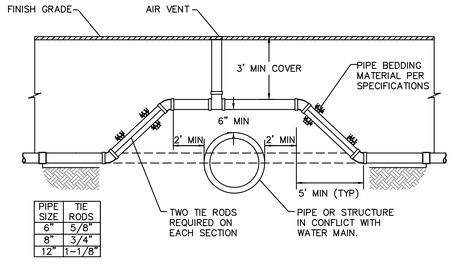


2 – STORM DRAIN BUBBLE UP
NTS



NOTES:
1. ALL PIPE & FITTINGS SHALL BE DOUBLE THICKNESS CEMENT-MORTAR LINED CLASS 53 DUCTILE IRON & SHALL BE ENCASED IN 8 MIL POLYETHYLENE PER CITY OF SAN FRANCISCO STANDARD CONSTRUCTION SPECIFICATIONS.
2. PIPE JOINTS SHALL BE TYTON JOINTS WITH FIELD LOK GASKETS OR APPROVED EQUAL.
3. ALL BENDS SHALL BE 45° OR 22-1/2° FITTINGS, AS REQUIRED FOR PROPER HORIZONTAL SEPARATION.
4. LPW SHALL NOT BE INSTALLED UNDER SEWER/STORM DRAIN LINES.



PIPE SIZE	TIE RODS
6"	5/8"
8"	3/4"
12"	1-1/8"

NOTES:
1. ALL PIPE & FITTINGS SHALL BE DOUBLE THICKNESS CEMENT-MORTAR LINED CLASS 53 DUCTILE IRON & SHALL BE ENCASED IN 8 MIL POLYETHYLENE PER CITY OF SAN FRANCISCO STANDARD CONSTRUCTION SPECIFICATIONS.
2. PIPE JOINTS SHALL BE TYTON JOINTS WITH FIELD LOK GASKETS OR APPROVED EQUAL.
3. ALL BENDS SHALL BE 45° OR 22-1/2° FITTINGS – NO 90° BENDS ALLOWED.
4. LPW PIPE JOINTS INSTALLED OVER SEWER, STORM DRAIN OR RECYCLED WATER LINES SHALL BE ENCASED WITH WAX-TAPE.

4 – WATER MAIN CROSSING
NTS

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OWNER/CLIENT
SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS
BKF

PROJECT NAME
FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP
REGISTERED PROFESSIONAL ENGINEER JAMES M. DALLSTREAM No. 72339 CIVIL STATE OF CALIFORNIA

PHASE
PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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COUNTY OF SAN MATEO - DPW STAMP
REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA
11/07/2023

SHEET TITLE
DETAILS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER
C10.5

DRAWING NAME: \\Bk1-rc\vol4\2021\20178_Reimagine_Flood_Park_Design\ENG\CD\SHEETS\C11.0 DETAILS.dwg
PLOT DATE: 10-18-23
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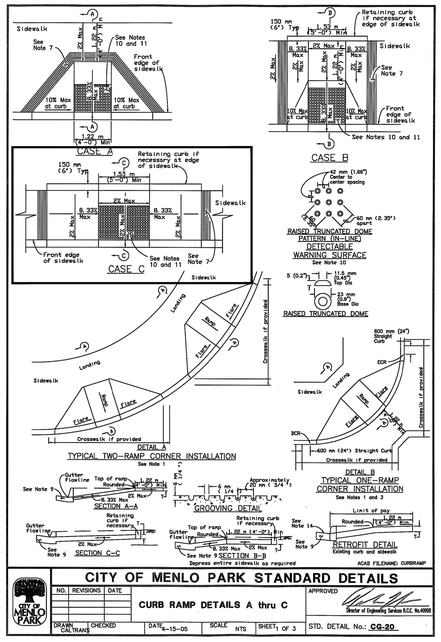


ACAD FILENAME: CURBRAMP

CITY OF MENLO PARK STANDARD DETAILS

NO.	REVISIONS	DATE

CURB RAMP DETAILS A thru C

APPROVED — Director of Engineering Services R.C.E. No.43908

DRAWN	CHECKED	DATE	SCALE	SHEET
CALTRANS		4-15-05	NTS	1 OF 3

STD. DETAIL No.: CG-20

NOTES

1. As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate.
2. If distance from curb to back of sidewalk is too short to accomodate ramp and 1.22 m (4'-0") platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B, or C or may be widened as in Case D.
3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
4. As site conditions dictate, the retaining curb side and the flared side of the Case G ramp shall be constructed in reversed position.
5. If located on a curve, the sides of the ramp need not be parallel, but the minimum width of the ramp shall be 1.22 m (4'-0").
6. Side slope of ramp flares vary uniformly from a maximum of 10% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
7. The curb ramp shall be outlined, as shown, with a 300 mm (12") wide border with 6 mm (1/4 ") grooves approximately 20 mm (3/4 ") on center. See grooving detail.
8. Transitions from ramps to walks, gutters or streets shall be flush and free of abrupt changes.
9. Maximum slopes of adjoining gutters, the road surface immediately adjacent to the curb ramp and continuous passage to the curb ramp shall not exceed 5 percent within 1.22 m (4'-0") of the top or bottom of the curb ramp.
10. Curb ramps shall have a detectable warning surface that extends the full width and 914 mm (3'-0") depth of the ramp. Detectable Warning Surfaces shall conform to the details on this plan and the requirements in the Special Provisions.
11. The edge of the detectable warning surface nearest the street shall be between 150 mm (6") and 205 mm (8") from the gutter flowline.
12. Sidewalk and ramp thickness, "T", shall be 90 mm (3 1/2 ") minimum.
13. Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
14. For retrofit conditions, removal and replacement of curb apron will be at the Contractor's option, unless otherwise shown on project plans.

ACAD FILENAME: CURBRAMP

CITY OF MENLO PARK STANDARD DETAILS

NO.	REVISIONS	DATE

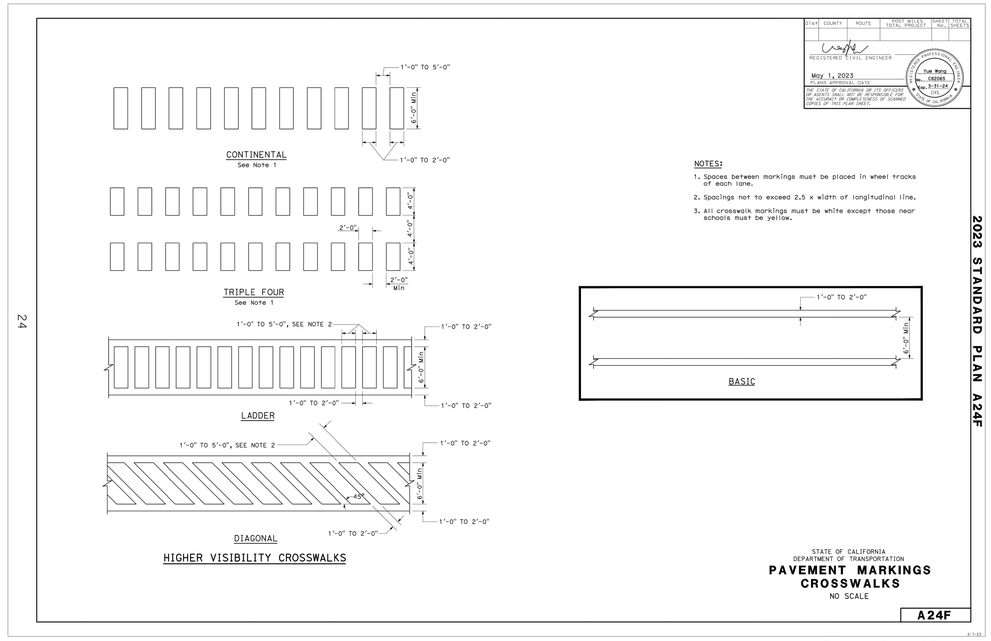
CURB RAMP DETAIL NOTES

APPROVED — Director of Engineering Services R.C.E. No.43908

DRAWN	CHECKED	DATE	SCALE	SHEET
CALTRANS		4-15-05	NTS	2 OF 3

STD. DETAIL No.: CG-20

1 — CURB RAMP DETAILS
NTS



2023 STANDARD PLAN A24F

24

Return to Table of Contents

2 — CALTRANS STANDARD PAVEMENT MARKINGS CROSSWALKS DETAILS
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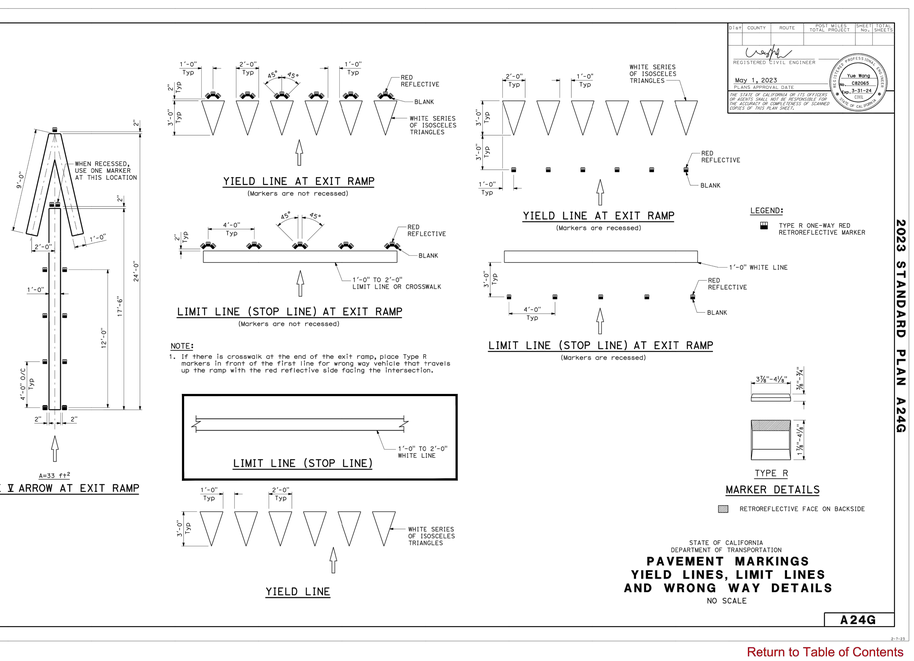
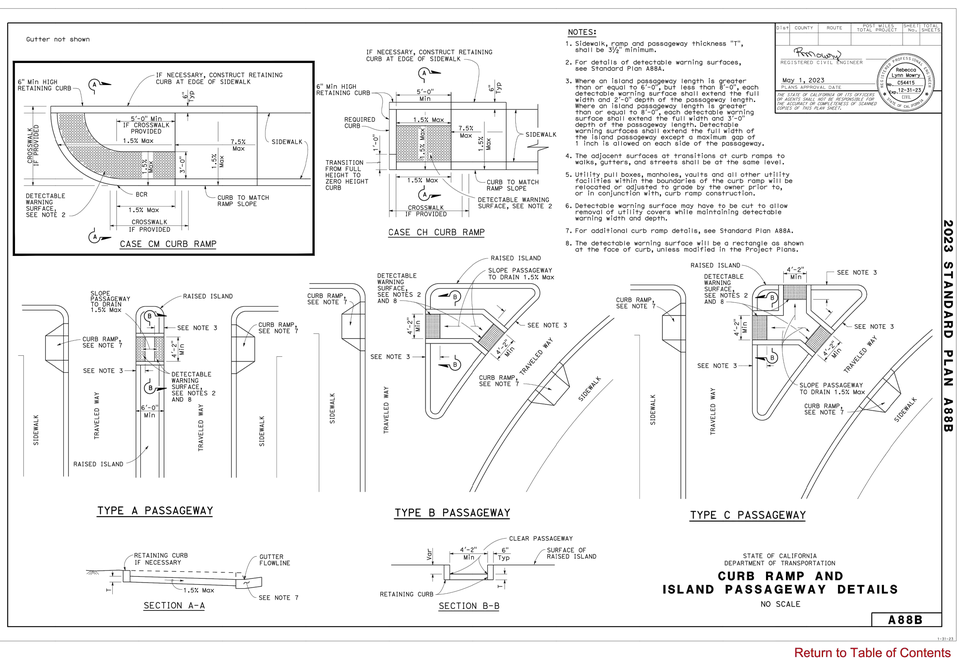


2023 STANDARD PLAN A24G

25

Return to Table of Contents

3 — CALTRANS STANDARD PAVEMENT MARKINGS YIELD LINES, LIMIT LINES AND WRONG WAY DETAILS
NTS



2023 STANDARD PLAN A88B

169

Return to Table of Contents

4 — CALTRANS STANDARD CURB RAMP AND ISLAND PASSAGEWAY DETAILS
NTS

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OWNER/CLIENT

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REDWOOD CITY, CA 94063

CONSULTANTS

BKF

PROJECT NAME

FLOOD PARK
215 BAY RD,
MENLO PARK, CA 94025

STAMP

REGISTERED PROFESSIONAL ENGINEER — JAMES V. DALESSANDRO — No. 72339 — CIVIL — STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	09.30.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER — ANN MADER STILLMAN — C 47882 — EXPIRES 12/31/23 — CIVIL — STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

DETAILS

PROJECT	DRAWN BY
20210178	JM, CP, BA
SCALE	CHECKED BY
AS SHOWN	JW, JD

SHEET NUMBER

C10.6

DRAWING NAME: \\Bk1-rc\vol4\2021\20178_Relmagine_Flood_Park_Design\ENG\CD\SHEETS\C11.0 DETAILS.dwg
PLOT DATE: 10-25-23 PLOTTED BY: penc

GENERAL ELECTRICAL NOTES:

A. WHERE ELECTRICAL WORK IS REQUIRED IN AN AREA NOT DEFINED AS BEING WORKED BUT IS RELATED TO WORK REQUIRED AS PART OF THIS CONTRACT, INCLUDE ALL COSTS REQUIRED TO REMOVE, RELOCATE, REINSTALL,REPAIR AND/OR REPLACE EXISTING CONSTRUCTION AS REQUIRED TO DO THE REQUIRED WORK. ALL SUCH WORK MUST BE PERFORMED BY TRADES PEOPLE SKILLED IN THE WORK REQUIRED AS PART OF THIS CONTRACT.

B. ALL AFFECTED AREAS MUST BE RESTORED TO THE ORIGINAL OR BETTER CONDITION.

C. MAKE MODIFICATIONS OR ADJUSTMENTS IN THE WORK AS MAY BE REQUIRED BY EXISTING CONDITIONS, STRUCTURAL INTERFERENCES, BY INTERFERENCES WITH THE WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK AS PART OF THIS CONTRACT.

D. INCLUDE ALL COSTS IN THE BASE BID WHICH ARE REQUIRED TO CUT, PATCH AND REFINISH THE EXISTING CONSTRUCTION IN ORDER TO DO THE WORK. ALSO INCLUDE THE REMOVAL AND REINSTALLATION OF BUILDING COMPONENTS IF NECESSARY TO DO THE WORK.

E. ALL ELECTRICAL UNDERGROUND CONDUITS SHALL BE AT A MINIMUM OF 24" BELOW FINISHED GRADE. SLOPE ALL CONDUITS AWAY FROM THE BUILDING.

F. WHERE NEW CONDUITS ARE SHOWN ON PLANS, THE ROUTING IS DIAGRAMMATIC AND FOR INFORMATION ONLY. THE EXACT LOCATIONS OF NEW HANDHOLES, AND ROUTING OF NEW CONDUITS SHALL BE DETERMINED IN THE FIELD AFTER COORDINATION WITH THE ARCHITECT AND CIVIL ENGINEER.

RACEWAYS AND WIREWAYS

PB	PULL BOX OR TAP JUNCTION BOX FOR FEEDERS
J	JUNCTION BOX
J	JUNCTION BOX - WALL MOUNTED
J	JUNCTION BOX WITH FLEXIBLE CONNECTION

RECEPTACLES

	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE ON SEPARATE CIRCUIT
	DUPLEX RECEPTACLE - FLUSH MOUNTED AND FLOOR BOX

RECEPTACLE NOTES:

'IG'	DENOTES ISOLATED GROUND
'GFI'	DENOTES GROUND FAULT INTERRUPTER
'AFCI'	DENOTES ARC FAULT CURRENT INTERRUPTER
'WP'	DENOTES 'WHILE IN USE' WEATHERPROOF COVER
'TR'	DENOTES TAMPER RESISTANT
'SC'	DENOTES SEPARATE CIRCUIT
'USB'	DENOTES USB OUTLET

SITE SYMBOLS

MH	MANHOLE
HH	HANDHOLE
X	UNDERGROUND DIRECT BURIAL CABLE

DISTRIBUTION EQUIPMENT

	FLUSH MOUNTED PANEL. SEE DESCRIPTION FOR TYPE.
	SURFACE MOUNTED PANEL. SEE DESCRIPTION FOR TYPE.

ONE-LINE ELECTRICAL DIAGRAM

	INCOMING LINE
	POLY PHASE TRANSFORMER
	CURRENT TRANSFORMER
	GROUND
XXX 400 AF 400 AT	CIRCUIT BREAKER-(3-POLE, UNO) CIRCUIT BREAKER TRIP UNIT FEATURES: 'L' ADJUSTABLE LONG TIME DELAY & ADJUSTABLE LONG TIME PICKUP 'S' ADJUSTABLE SHORT TIME DELAY & ADJUSTABLE SHORT TIME PICKUP 'I' ADJUSTABLE INSTANTANEOUS 'G' ADJUSTABLE GROUND FAULT DELAY & ADJUSTABLE GROUND FAULT PICKUP 'A' GROUND FAULT ALARM ONLY 'Z' ZONE SELECTIVE INTERLOCKING 'ST' SHUNT TRIP '100R' 100% RATED N.O. NORMALLY OPEN N.C. NORMALLY CLOSED
M	REVENUE METER

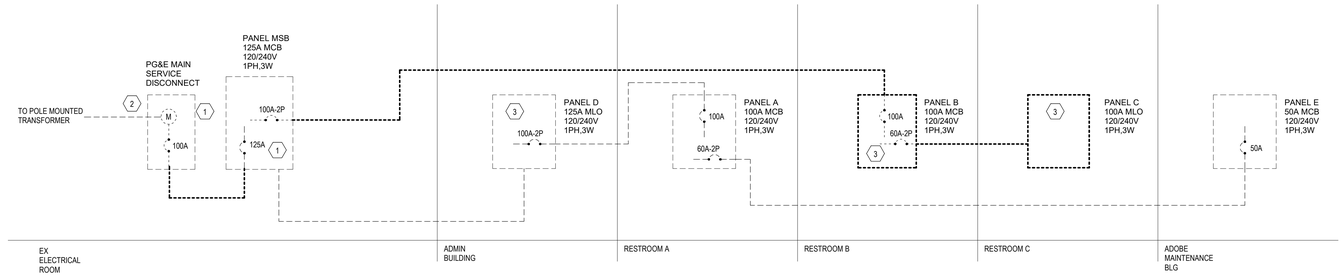
CONDUIT

	CONDUIT RUN CONCEALED IN CEILING OR WALL. ARROWHEAD DENOTES HOMERUN TO PANELBOARD SLASH LINES INDICATE QUANTITY OF WIRE. GROUND WIRE INDICATED AS LONG LINE WITH DOT, NEUTRAL/GROUNDED CONDUCTORS INDICATED AS LONG LINE AND UNGROUNDED CONDUCTORS/ SWITCH LEGS INDICATED AS SHORT LINES.
	CONDUIT RUN CONCEALED IN SLAB OR BELOW SLAB. DITTO FOR ARROW AND NUMBER OF WIRES INDICATED
	CONDUIT RUN EXPOSED. DITTO FOR ARROW AND NUMBER OF WIRES INDICATED
	CONDUIT RUN STUBBED UP
	CONDUIT RUN STUBBED DOWN
X	NOTE: CONDUIT SYMBOLS SHALL BE THE SAME FOR SPECIAL SYSTEMS EXCEPT AS ALTERED WITH THE INSERTION OF THE FOLLOWING: 'C' DENOTES CLOCK 'CO' DENOTES CONDUIT ONLY 'CS' DENOTES COMPUTER SYSTEM 'CCTV' DENOTES CLOSED CIRCUIT TELEVISION 'FA' DENOTES FIRE ALARM 'IC' DENOTES INTERCOM 'NC' DENOTES NURSE CALL 'S' DENOTES SOUND 'T' DENOTES TELEPHONE 'TVA' DENOTES TELEVISION ANTENNA 'TVC' DENOTES TELEVISION CONTROL 'E' DENOTES EMERGENCY 'LV' DENOTES LOW VOLTAGE

ABBREVIATIONS AND DEFINITIONS

AFCI	ARC FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
CB	CIRCUIT BREAKER
CCT	CIRCUIT
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
DISC	DISCONNECT
DN	DOWN
EM	EMERGENCY
EPO	EMERGENCY POWER OFF
EQPT	EQUIPMENT
EX	EXISTING
EWC	ELECTRIC WATER COOLER
FA	FIRE ALARM
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
JB	JUNCTION BOX
IG	ISOLATED GROUND
KV	KILOVOLT
KW	KILOWATT
KVA	KILOVOLT AMP
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MS	MAIN SWITCH
MTD	MOUNTED
NC	NORMALLY CLOSED (CONTACTS)
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN (CONTACTS)
NTS	NOT TO SCALE
PNL	PANEL
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
RCP	REFLECTED CEILING PLAN
RR	RESTROOM
SEC	SECONDARY
ST	SHUNT TRIP
SW	SWITCH
TEL	TELEPHONE
TR	TAMPER RESISTANT
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF (NEMA-3R OUTDOOR, NEMA-4 IN PLENUMS)
WH	WATER HEATER
WT	WATERTIGHT (NEMA-4)
XFMR	TRANSFORMER
VFC	VARIABLE FREQUENCY CONTROLLER

GENERAL NOTE:
PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR TO PERFORM ELECTRICAL SURVEY OF ALL EXISTING ELECTRICAL PANELS AT FLOOD PARK AND CREATE AN AS-BUILT SINGLE LINE DIAGRAM DRAWING CONFIRMING THE FEEDERS AND BREAKERS SERVING EACH PANEL AND SUBMIT FOR ENGINEER REVIEW.



1 ELECTRICAL DEMO SINGLE LINE DIAGRAM
NOT TO SCALE

DEMO RISER KEYNOTES:

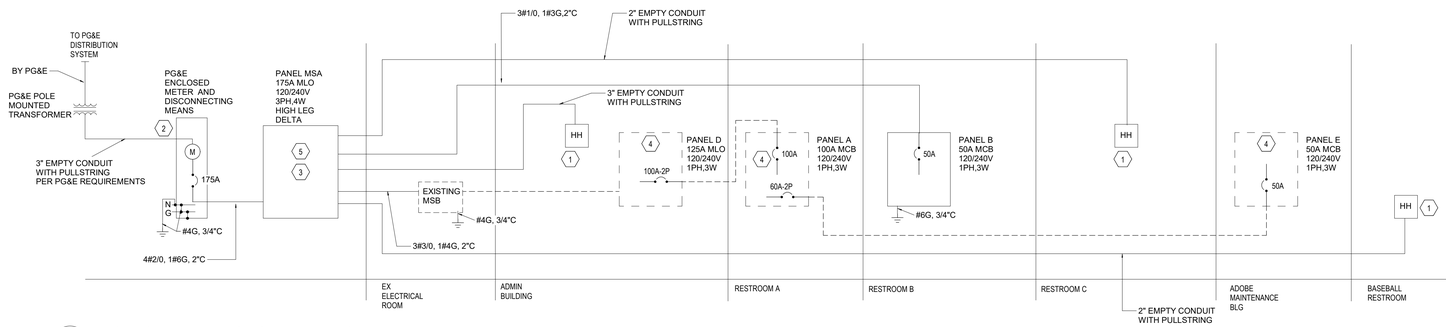
1. EXISTING MAIN SERVICE PANELBOARD MSB, EXISTING SERVICE TO ADMIN BUILDING, ADOBE MAINTENANCE, AND RESTROOM A SHALL REMAIN IN PLACE AND IN SERVICE UNTIL PHASE 1 CONSTRUCTION IS COMPLETE. AFTER NEW ELECTRICAL SERVICE IS PROVIDED TO MSA, NEW POWER TO EXISTING TO REMAIN PANELS SHALL BE PROVIDED FROM MSA AND EXISTING PG&E METER CAN BE DEMOLISHED. COORDINATE ANY POWER SHUTDOWNS WITH COUNTY PARKS DEPARTMENT A MINIMUM OF 2 WEEKS PRIOR TO SHUTDOWN.

2. THREE EXISTING PG&E POLES FOR THE SECONDARY SERVICE FEEDERS SHALL BE DEMOLISHED ON SITE. REFER TO THE ELECTRICAL DEMO SITE PLAN SHEET E1.00 FOR POLE LOCATIONS. ONE EXISTING PG&E POLE SHALL REMAIN FOR SERVICE CONDUCTORS TO GO FROM OVERHEAD TO UNDERGROUND.

3. EXISTING RECEPTACLES IN PICNIC AREAS SHALL BE REMOVED. REMOVE WIRING BACK TO SOURCE, AND REMOVE CONDUIT 2" BELOW GRADE AND CAP IN PLACE.

RISER DIAGRAM LEGEND:

———	NEW
- - - - -	DEMO
– – – – –	EXISTING



2 ELECTRICAL PARTIAL SINGLE LINE DIAGRAM
NOT TO SCALE

KEYNOTES:

1. UNDERGROUND CONDUIT AND PRIMARY OCP SHALL BE INSTALLED AS PART OF PHASE 1. WIRING AND PANEL SHALL BE INSTALLED AS PART OF PHASE 2. CONDUIT SHALL TERMINATE AT HANDHOLE LOCATION. REFER TO SITE POWER PLAN FOR HANDHOLE LOCATIONS.

2. PROVIDE UNDERGROUND CONDUIT FROM EXISTING PG&E POLE ON SITE TO MAIN SERVICE DISCONNECTING MEANS, AND METER CABINET. PG&E WILL PROVIDE WIRING AND METER. COORDINATE ALL REQUIREMENTS AND PROJECT INSPECTIONS WITH PG&E. UTILITY METERING COMPARTMENT SHALL COMPLY WITH PG&E REQUIREMENTS. BUSES SHALL BE PROVISIONED FOR MOUNTING UTILITY CURRENT TRANSFORMERS AND POTENTIAL TRANSFORMERS AS REQUIRED BY UTILITY COMPANY.

3. REFER TO PANEL SCHEDULE ON SHEET E0.02 FOR ADDITIONAL INFORMATION.

4. EXISTING SERVICE TO ADMIN BUILDING, ADOBE MAINTENANCE, AND RESTROOM A SHALL REMAIN ON DURING PHASE 1 CONSTRUCTION. AFTER NEW ELECTRICAL SERVICE IS PROVIDED TO MSA, NEW POWER TO EXISTING PANEL MSB SHALL BE PROVIDED FROM MSA AND THE EXISTING PG&E METER SHALL BE DEMOLISHED. GROUNDING ROD OF THE EXISTING TO REMAIN PANELS SHALL BE PROVIDED NEW OR REMAIN EXISTING AS REQUIRED PER CURRENT NEC CODES.

5. LABEL PANEL AS REQUIRED BY NEC 408.3: "CAUTION B PHASE HAS 208 VOLTS TO GROUND."

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San Francisco, California 94105
415 486 3100
esdglobal.com

PROJECT NAME

FLOOD PARK

215 BAY RD.
MENLO PARK, CA
94025

STAMP

PHASE

PHASE 1 BID PS&E DOCUMENTS

100% SCHEMATIC DESIGN(30%)	07.18.22
PHASE 1 CD PROGRESS SET	10.07.22
PHASE 1 - 75% PS&E	11.04.22
PHASE 1 - 90% PS&E	12.09.22
PHASE 1 - 100% PS&E BID CHK SET	03.20.23
PHASE 1 - 100% PS&E BID SET	04.28.23
PHASE 1 - BID PS&E DOCUMENTS	05.26.23
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

ELECTRICAL RISER DIAGRAMS & SYMBOLS LIST - PHASE 1

PROJECT	C220051	DRAWN BY	NA
SCALE	1/8" = 1'-0"	CHECKED BY	JD

E0.01

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PANELBOARD SCHEDULE

DESIGNATION: PANEL MSA
VOLTAGE: 240/120
3PH 4W
PANEL OPTIONS: -

MAIN TYPE: 175A MB
MAIN OPTIONS: -
BUS AMPS: 225A
GROUND BUS: YES

MOUNTING: SURFACE
ENCLOSURE: NEMA 1
NEUTRAL BUS: 100% RATED
OWNER METERS: -

NOTE 4

BRANCH OCP TYPE: MOLDED CASE C/B
FAULT DUTY: 42KAIC
INTEGRAL SPD: NO
ACCESSORIES: -

NO.	DESCRIPTION	OCP SIZE	OCP OPTIONS	A	B	C	A	B	C	OCP OPTIONS	OCP SIZE	DESCRIPTION	NO.
1	100A 3 POLE SPACE FOR FUTURE PANEL D		-				180			-	20A	ELEC BLG RECEPTACLE	2
3										-		SPACE	4
5									360	-	50A	PANEL C	6
7	PICNIC RECEPTACLE	20A	-	720			300						8
9	SPACE		-							-		SPACE	10
11	BOOSTER PUMP	80A	-			7,060			180	-	50A	PANEL F	12
13				7,060			213						14
15					7,060					-		SPACE	16
17	PICNIC RECEPTACLE	20A	-			180			1448	-	50A	PANEL B	18
19	PICNIC RECEPTACLE	20A	-	360			640						20
21	SPACE		-							-		SPACE	22
23	PICNIC RECEPTACLE	20A	-			360			3274	-	100A	EXISTING PANEL D	24
25	PICNIC RECEPTACLE	20A	-	360			3,274						26
27	SPACE		-							-		SPACE	28
29	SPARE	20A	-							-	20A	SPARE	30
31	SPARE	20A	-							-	20A	SPARE	32
33	SPACE		-							-		SPACE	34
35	SPARE	20A	-							-	20A	SPARE	36
37	SPARE	20A	-							-	20A	SPARE	38
39	SPACE		-							-		SPACE	40
41	SPARE	20A	-							-	20A	SPARE	42
Total				8,500	7,060	7,600	4,607		5,262			Total	

TOTAL PHASE A: 13,107 VA
TOTAL PHASE B: 7,060 VA
TOTAL PHASE C: 12,862 VA

TOTAL CONNECTED LOAD: 33.0 kVA
79.5 AMPS
TOTAL DEMAND LOAD: 33.0 kVA
79.5 AMPS

V3.6

NOTES: 1) STINGER LEG SHALL BE ON THE B-PHASE. (VOLT SYS: 3 PHASE, 4 WIRE, CENTER-TAPPED DELTA)

2) UNBALANCED CURRENTS BASED ON CLOSED SYS. ANALYSIS:
A-PHASE: Ia = Ica + Iab = 99A
B-PHASE: Ib = Iab + Ibc = 89A
C-PHASE: Ic = Ibc + Ica = 99A

3) ALL SERVICE CONDUCTORS, FEEDERS, AND BRANCH CIRCUITS HAVING THE HIGHER PHASE VOLTAGE TO THE GROUND SHALL BE DURABLY AND PERMANENTLY MARKED BY A PURPLE OUTER FINISH AT EACH TERMINATION POINT.

4) PROVIDE PROVISIONS FOR FUTURE BRANCH CRCUIT MONITORING PER TITLE 24 CODE REQUIREMENT.

Assembly Code

PANELBOARD SCHEDULE:

DESIGNATION: PANEL B
VOLTAGE: 120/208 Single
1PH, 3W
PANEL OPTIONS:

MAIN TYPE: 50A MCB
MAIN OPTIONS:
BUS AMPS: 100 A
GROUND BUS:

MOUNTING: SURFACE
ENCLOSURE: Type 3R
NEUTRAL BUS:
OWNER METERS:

BRANCH OCP TYPE: MOLDED CASE C/B
FAULT DUTY: 42 KAIC
INTEGRAL SPD:
ACCESSORIES:

NO.	DESCRIPTION	OCP SIZE	POLES	OCP OPTIONS	A	C	A	C	OCP OPTIONS	POLES	OCP SIZE	DESCRIPTION	NO.
B/1	OUTDOOR PICNIC RECEPTACLE	20 A	1		720		360			1	20 A	RR B RECEPTACLE	B/2
B/3	IRRIGATION CONTROLLER	20 A	1			640		264		1	20 A	EF-1.1	B/4
B/5	LIGHTING	20 A	1		351		--			1	--	SPACE	B/6
B/7	SPACE	--	1			--		--		1	--	SPACE	B/8
B/9	SPACE	--	1		--		--			1	--	SPACE	B/10
B/11	SPACE	--	1			--		--		1	--	SPACE	B/12
B/13	SPACE	--	1		--		--			1	--	SPACE	B/14
B/15	SPACE	--	1			--		--		1	--	SPACE	B/16
B/17	SPACE	--	1		--		--			1	--	SPACE	B/18

TOTAL PHASE A: 1431 VA
TOTAL PHASE B: 0 VA
TOTAL PHASE C: 904 VA

TOTAL CONNECTED LOAD: 2335 VA
11 A
TOTAL DEMAND LOAD: 2335 VA
11 A

NOTES:

MECHANICAL EQUIPMENT SCHEDULE

EQUIP. ID	DESCRIPTION	VOLTAGE	PHASE	LOADS KW	LOADS HP	LOADS AMPS	PANEL SERVICE FROM	CCT NO.	OCP SIZE	OCP POLES	BRANCH WIRING	CONDUIT	DISC SW SIZE	DISC SW POLES	STARTER SIZE	STARTER TYPE	REMARKS
BP-1	BOOSTER PUMP	240 V	3		-	51 A	PANEL MSA	A/11,13,15	80A	3	3#1, 1#4G	1-1/2"C	100A	3	-	-	

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STAMP

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PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

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ANWAR NADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

ELECTRICAL SCHEDULES-PHASE 1

PROJECT	C220051	DRAWN BY	NA
SCALE		CHECKED BY	JD

E0.02

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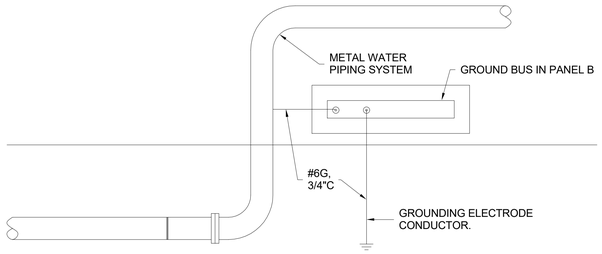
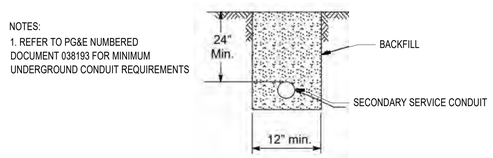
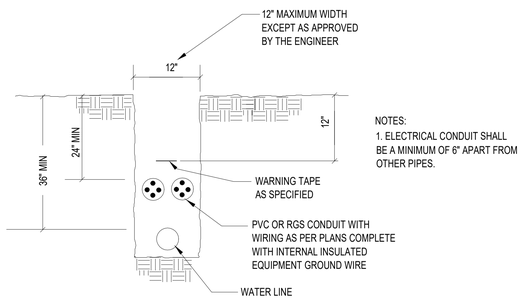


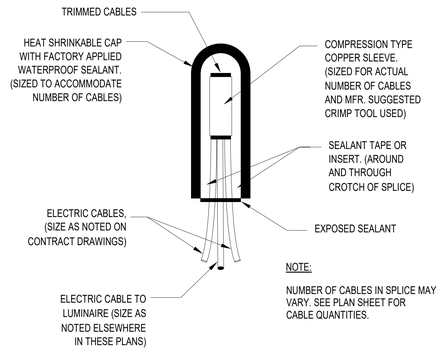
4 BUILDING WATER TYPE BONDING
NOT TO SCALE



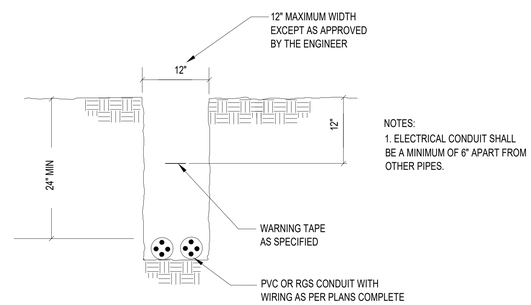
3 TYPICAL SERVICE CONDUIT IN TRENCH DETAIL
NOT TO SCALE



5 ELECTRICAL AND WATER SERVICE TRENCH DETAIL
NOT TO SCALE



1 TYPICAL SPLICE DETAIL
NOT TO SCALE



2 TYPICAL BRANCH WIRING IN TRENCH DETAIL
NOT TO SCALE

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PHASE 1 - 100% PS&E BID SET	04.28.23
PHASE 1 - BID PS&E DOCUMENTS	05.26.23
PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANW ANDER ST LUMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA
11/07/2023

SHEET TITLE

ELECTRICAL DETAILS-PHASE 1

PROJECT	C220051	DRAWN BY	NA
SCALE	As indicated	CHECKED BY	JD

E0.03

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STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in §110.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2F for alterations.

Project Name: FLOOD PARK — Report Page: Page 1 of 5
Project Address: 215 BAY ST, MENLO PARK — Date Prepared: 12/09/22

A. GENERAL INFORMATION

01 Project Location (city): MENLO PARK — 02 Occupancy Types Within Project:

☐ Office ☐ Retail ☐ Warehouse ☐ Hotel/ Motel ☐ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☐ Healthcare Facilities ☑ Other (Write In): PARK

B. PROJECT SCOPE

Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05	06
Electrical Service Designation/ Description	Scope of Work[1]	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a)[2]	System subject to CA Elec Code Article 517 Exception to §130.5(a)&(b)	Demand Response Controls
PANEL MSA	Complete replacement service equipment & meter.	73	☑	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.

[1] *FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.*
[2] *Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.*

C. COMPLIANCE RESULTS

Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D. for guidance and review the Table that indicates "No".

01		02		03		04	05
Service Electrical Metering §130.5(a)	AND	Separation for Monitoring §130.5(b)	AND	Voltage Drop §130.5(c)	AND	Controlled Receptacles §130.5(d)	**Compliance Results**
(See Table F)		(See Table G)		(See Table H)		(See Table I)	
	AND	Yes	AND	Yes	AND	Yes	**COMPLIES with Exceptional Conditions**

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-ELC-E
Project Name: FLOOD PARK — Report Page: Page 2 of 5
Project Address: 215 BAY ST, MENLO PARK — Date Prepared: 12/09/22

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. SERVICE ELECTRICAL METERING

This Section Does Not Apply

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

Table Instructions: Complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b). Using the dropdown choices in column 01, indicate the load types included for each service. Any load types that are not included in the service do not need to be shown.

Electrical Service Designation/Description: PANEL MSA

01	02	03	04	05	
Load Type per Table 130.5-B[1]	Minimum Required Separation of Load per Table 130.5-B	Compliance Method[2]	Location of Requirements in Construction Documents	Field Inspector	
				Pass	Fail
Lighting including exit, egress and exterior	All lighting in aggregate	Method 3	SHEET E0.02 PANEL SCHEDULE	☐	☐
Plug Loads and appliances < 25kVA	All plug load in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	Method 3	SHEET E0.02 PANEL SCHEDULE	☐	☐

[1] *NOTES: If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.*

FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.
Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type
Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type
Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring
Method 4: Complete metering system measures and reports loads by type
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-ELC-E
Project Name: FLOOD PARK — Report Page: Page 3 of 5
Project Address: 215 BAY ST, MENLO PARK — Date Prepared: 12/09/22

H. VOLTAGE DROP

Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Fiii.

01	02		03	04	05	
Electrical Service Designation(s)/ Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method		Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
					Pass	Fail
	☑ Voltage drop < 5%	☐ Permitted by CA Elec Code (Exception to §130.5(c))*	In construction documents	E0.04	☐	☐
	☑ Voltage drop < 5%	☐ Permitted by CA Elec Code (Exception to §130.5(c))*	In construction documents	E0.04	☐	☐
PANEL MSA	☑ Voltage drop < 5%	☐ Permitted by CA Elec Code (Exception to §130.5(c))*	In construction documents	E0.04	☐	☐

NOTES if "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] *FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".*

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01	02	03	04	05	06	
Room Name or Description	Location/ Type of Controlled Receptacles	Shut-Off Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector	
					Pass	Fail
SITE PLAN	NA: No applicable space types on this service		☐		☐	☐
				Add Row	Remove Last	

* *If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.*

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-ELC-E
Project Name: FLOOD PARK — Report Page: Page 4 of 5
Project Address: 215 BAY ST, MENLO PARK — Date Prepared: 12/09/22

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRSE/

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
◉	○	NRCI-ELC-01-E - Must be submitted for all buildings.	☐	☐

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to electrical power distribution requirements.

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E (Created 01/20) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-ELC-E
Project Name: FLOOD PARK — Report Page: Page 5 of 5
Project Address: 215 BAY ST, MENLO PARK — Date Prepared: 12/09/22

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	NINA AULT	Documentation Author Signature:	
Company:	ESD GLOBAL	Signature Date:	12/09/22
Address:	90 NEW MONTGOMERY	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	SAN FRANCISCO CA 95401	Phone:	415-874-4914

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	JASON DEBUSA	Responsible Designer Signature:	
Company:	ESD GLOBAL	Date Signed:	12/09/22
Address:	233 S WACKER	License:	119061
City/State/Zip:	CHICAGO IL, 60606	Phone:	312-456-2272

FEEDER CIRCUIT 'VOLTAGE DROP CALCULATION

Feeder Designation	PF	Conduit	CU or AL	AMPS	VOLT	1PH or 3PH	Distance (FT.)	Wire Size	Sets	VOLT. Drop	%VOLT. Drop
MSA TO PANEL B	0.9	PVC	CU	50	240	1	350	#1/0	1	4.45	1.85%
Assembly Code											

TYPICAL BRANCH CIRCUIT 'VOLTAGE DROP CALCULATION

Feeder Designation	PF	Conduit	CU or AL	AMPS	VOLT	1PH or 3PH	Distance (FT.)	Wire Size	Sets	VOLT. Drop	%VOLT. Drop
Branch Circuit	0.85	STEEL	CU	1	120	1	1035	12	1	3.59	2.99%
Branch Circuit	0.85	STEEL	CU	5	120	1	205	12	1	3.56	2.97%
Branch Circuit	0.85	STEEL	CU	7.5	120	1	135	12	1	3.52	2.93%
Branch Circuit	0.85	STEEL	CU	10	120	1	100	12	1	3.47	2.89%
Branch Circuit	0.85	STEEL	CU	12	120	1	85	12	1	3.54	2.95%
Branch Circuit	0.85	STEEL	CU	14	120	1	70	12	1	3.40	2.84%
Branch Circuit	0.85	STEEL	CU	16	120	1	60	12	1	3.33	2.78%
Branch Circuit	0.85	STEEL	CU	10	120	1	200	8	1	2.79	2.32%
Branch Circuit	0.85	STEEL	CU	1	120	1	1700	10	1	3.58	2.98%
Branch Circuit	0.85	STEEL	CU	5	120	1	340	10	1	3.58	2.98%
Branch Circuit	0.85	STEEL	CU	7.5	120	1	225	10	1	3.55	2.96%
Branch Circuit	0.85	STEEL	CU	10	120	1	170	10	1	3.58	2.98%
Branch Circuit	0.85	STEEL	CU	12	120	1	140	10	1	3.54	2.95%
Branch Circuit	0.85	STEEL	CU	14	120	1	120	10	1	3.54	2.95%
Branch Circuit	0.85	STEEL	CU	16	120	1	100	10	1	3.37	2.81%
Branch Circuit	0.85	STEEL	CU	1	120	1	2575	8	1	3.59	2.99%
Branch Circuit	0.85	STEEL	CU	5	120	1	515	8	1	3.59	2.99%
Branch Circuit	0.85	STEEL	CU	7.5	120	1	310	8	1	3.24	2.70%
Branch Circuit	0.85	STEEL	CU	10	120	1	255	8	1	3.56	2.96%
Branch Circuit	0.85	STEEL	CU	12	120	1	215	8	1	3.60	3.00%
Branch Circuit	0.85	STEEL	CU	14	120	1	180	8	1	3.51	2.93%
Branch Circuit	0.85	STEEL	CU	16	120	1	160	8	1	3.57	2.97%
Assembly Code											

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CONSULTANTS

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90 New Montgomery, Suite 1420
San Francisco, California 94105
415 486 3100
esdglobal.com

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA
94025

STAMP

PHASE

PHASE 1 BID PS&E DOCUMENTS

PHASE 1 - 90% PS&E	12.09.22
PHASE 1 - 100% PS&E BID CHK SET	03.20.23
PHASE 1 - 100% PS&E BID SET	04.28.23
PHASE 1 - BID PS&E DOCUMENTS	05.26.23
PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER — ANN MADER STILLMAN — C 47882 — EXPIRES 12/31/23 — CIVIL — STATE OF CALIFORNIA
11/07/2023

SHEET TITLE

ELECTRICAL TITLE 24 - PHASE 1

PROJECT C220051 — DRAWN BY NA
SCALE — CHECKED BY JD

E0.04

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1 **ELECTRICAL DEMO SITE PLAN**
1" = 40'-0"

0' 20' 40' 80'
1"=40'

KEYNOTES

1. EXISTING UTILITY TRANSFORMER SHALL BE REPLACED WITH A NEW 3-PHASE TRANSFORMER BY PG&E. NEW OVERHEAD CONDUCTORS SHALL BE INSTALLED FROM PG&E TO TRANSFORMER BY PG&E.
2. EXISTING PANEL SHALL REMAIN UNTIL NEW PANEL MSA AND SERVICE HAS BEEN INSTALLED. SERVICE DISRUPTIONS SHALL BE MINIMIZED AS MUCH AS POSSIBLE TO PARK.
3. EXISTING ELECTRICAL POLE TO BE REMOVED AFTER EXISTING ELECTRICAL SERVCE IS DISCONNECTED AND REMOVED.
4. EXISTING PANEL TO REMAIN.
5. EXISTING PANEL SHALL BE REMOVED.
6. EXISTING ELECTRICAL POLE TO REMAIN.

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PROJECT NAME

FLOOD PARK

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94025

STAMP

PHASE

PHASE 1 BID PS&E DOCUMENTS

PHASE 1 - 75% PS&E	11.04.22
PHASE 1 - 90% PS&E	12.09.22
PHASE 1 - 100% PS&E BID CHK SET	03.20.23
PHASE 1 - 100% PS&E BID SET	04.28.23
PHASE 1 - BID PS&E DOCUMENTS	05.26.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

ELECTRICAL DEMO SITE PLAN - PHASE 1

PROJECT	C220051	DRAWN BY	NA
SCALE	1" = 40'-0"	CHECKED BY	JD

E1.00

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1 ELECTRICAL SITE PLAN
1" = 40'-0"

0' 20' 40' 80'
1"=40'

GENERAL NOTES:

A. COORDINATE ALL WORK WITH OTHER TRADES FOR THE COMPLETE INSTALLATION OF THE ELECTRICAL SYSTEM INCLUDING BUT NOT LIMITED TO CONDUIT, LIGHT FIXTURES, AND EQUIPMENT.
B. INSTALLATION SHALL COMPLY WITH DIVISION 26 SPECIFICATIONS FOR FLOOD PARK.
C. CONDUIT ROUTING IS SHOWN AS A GUIDE. EXACT ROUTING OF NEW CONDUITS TO BE DETERMINED BY CONTRACTOR BASED OFF COORDINATION WITH ARCHITECT AND CIVIL ENGINEER AND FIELD CONDITIONS. REFER TO LANDSCAPE ARCHITECTURE SHEETS FOR INFORMATION ON TRENCHING AND WORK REQUIREMENTS WITHIN TREE PROTECTION ZONES.
D. CONTRACTOR TO COORDINATE WITH PG&E FOR PERTINENT FIELD REVIEWS AND SIGN-OFFS AS REQUIRED.
E. THE CONTRACTOR MUST PROVIDE TOPSOIL AND SOD FOR ALL DISTURBED AREAS OF EARTH. REFER TO LANDSCAPE PLANS FOR SOIL SPECIFICATIONS AND PLANTING PLANS.
F. ALL ELECTRICAL UNDERGROUND CONDUIT SHALL MAINTAIN MINIMUM 6" SEPARATION FROM ALL OTHER UTILITIES.
G. ALL ELECTRICAL EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R RATED.
H. ALL RECEPTACLES MOUNTED OUTDOORS SHALL BE GFI, WEATHER RESISTANT TYPE MOUNTED IN A BOX WITH A WEATHERPROOF WHILE IN USE COVER.

KEYNOTES

1 CONDUIT SHALL STUB IN HANDHOLE FOR FUTURE PANEL TO BE INSTALLED IN PHASE 2.
2 EXISTING ELECTRICAL POLE SHALL BE EXISTING TO REMAIN. SECONDARY ELECTRICAL SERVICE FEEDERS SHALL ROUTE FROM OVERHEAD TO UNDERGROUND ALONG THIS POLE.
3 ELECTRICAL CONDUITS SHALL BE ROUTED 4FT BELOW GRADE UNDER THE VOLLEYBALL COURT. COORDINATE WITH OTHER UTILITIES AND LANDSCAPE ARCHITECT FOR DEPTH DETAIL.
4 CONTRACTOR TO COORDINATE W/ TELECOM PROVIDER AND PG&E TO MAINTAIN POWER AND TELECOM CONNECTIVITY TO INDICATED BUILDING.

PANEL LEGEND

"A/" IDENTIFIES POWER FROM PANEL MSA

"B/" IDENTIFIES POWER FROM PANEL B

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PROJECT NAME

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94025

STAMP

PHASE

PHASE 1 BID PS&E DOCUMENTS

100% SCHEMATIC DESIGN(30%)	07.18.22
PHASE 1 CD PROGRESS SET	10.07.22
PHASE 1 - 75% PS&E	11.04.22
PHASE 1 - 90% PS&E	12.09.22
PHASE 1 - 100% PS&E BID CHK SET	03.20.23
PHASE 1 - 100% PS&E BID SET	04.28.23
PHASE 1 - BID PS&E DOCUMENTS	05.26.23
BID ADDENDUM 1	07.03.23
BID ADDENDUM 2	08.04.23
PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

ELECTRICAL SITE PLAN - PHASE 1

PROJECT	C220051	DRAWN BY	NA
SCALE	1" = 40'-0"	CHECKED BY	JD

E3.00

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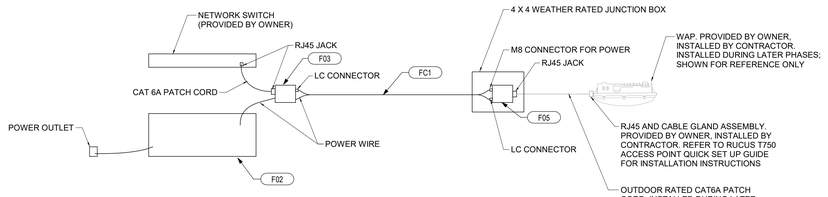
SYMBOL LEGEND	
	WIRELESS ACESS POINT (WAP); (1) POWERED CABLE, OM3, 2FIBER, INDOOR/OUTDOOR, 12AWG CONDUSTOR; INSTALLED DURING LATER CONSTRACTION PHASES; SHOWN FOR REFERENCE ONLY

FIBER CONNECTIVITY

KEY	DESCRIPTION	COMMENTS
FC1	POWERED CABLE, OM3, 2FIBER, INDOOR / OUTDOOR, 12AWG CONDUCTOR	GET FINAL APPROVAL OF CABLE TYPE FROM OWNER OR WIRELESS INTEGRATOR
FM1	LC PIGTAIL - OM3, 2STRANDS	IN ELEC BUILDING
F01	4U POWER INJECTION DEVICE CHASSIS	BERK-TEK 81000568, IN RACK
F02	POWER SUPPLY MODULE	BERK-TEK 81000215, IN RACK
F03	4-PORT MEDIA MODULE	BERK-TEK 81001262, IN RACK
F04	BLANKING PANEL	BERK-TEK 81000190, IN RACK
F05	1-PORT SOURCE	BERK-TEK 81001514
PP1	D-RINGS	FOR CABLE SUPPORT INSIDE ELEC BUILDING

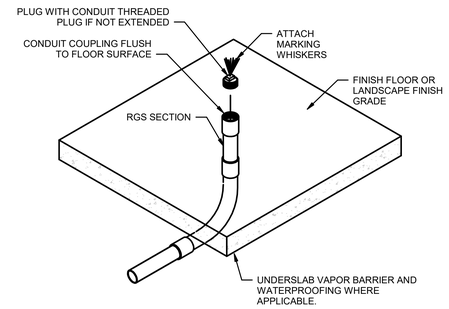
COPPER PATCH CORDS

LOCATION	PURPOSE	CATEGORY	QUANTITY PER LOCATION	LENGTH (FT)	COLOR	FURNISHED BY	INSTALLED BY	COMMENTS
AT WAP LOCATION	WIRELESS ACCESS POINT	6A	1 PER PORT	6	BLUE	CONTRACTOR	CONTRACTOR	REFER TO DETAIL #6 ON SHEET T0.01 FOR DETAILS
ELEC ROOM	PATCH FIELD TO SWITCHES	6A	1 PER PORT	6	BLUE	CONTRACTOR	CONTRACTOR	



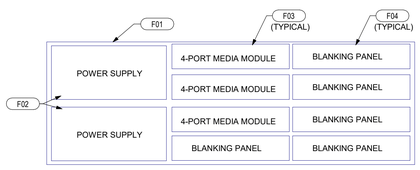
NOTE:
CABLE ROUTING AND DEVICES ARE SHOWN DIAGRAMMATICALLY.
CONTRACTOR SHALL INCLUDE PULL STRING FOR EACH CONDUIT.
CONTRACTOR SHALL PROVIDE 3' OF SLACK ON THE WAP SIDE FOR FUTURE CONNECTION.

4 WAP CABLE ONE LINE
NOT TO SCALE

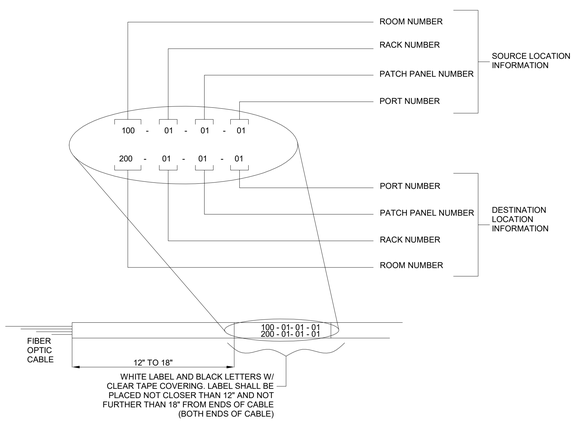


NOTE:
REFER TO SPECS FOR STUB-UP REQUIREMENTS. CONTRACTOR SHALL MAINTAIN AND/OR REPLACE THE WHISKERS THROUGHOUT THE PROJECT AND TO PROVIDE A RECORD DRAWING OF LOCATIONS TO THE COUNTY

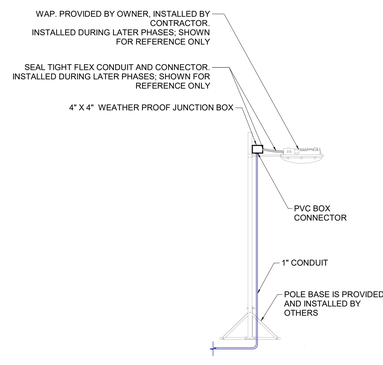
2 UNDERGROUND CONDUIT STUB-UP
NOT TO SCALE



5 RACK MOUNTED CHASSIS
NOT TO SCALE



3 HORIZONTAL FIBER CABLE LABELING
NOT TO SCALE



1 OUTDOOR WAP POLE MOUNTING DETAIL
NOT TO SCALE

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PROJECT NAME

FLOOD PARK

215 BAY STREET
MENLO PARK, CA
94025

STAMP

PHASE

PHASE 1 BID PS&E DOCUMENTS

PHASE 1 - 90% PS&E	12.09.22
PHASE 1 - 100% PS&E BID CHK SET	03.20.23
PHASE 1 - 100% PS&E BID SET	04.28.23
PHASE 1 - BID PS&E DOCUMENTS	05.26.23
PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

TECHNOLOGY DETAILS-PHASE 1

PROJECT	C220051	DRAWN BY	MC
SCALE	As indicated	CHECKED BY	TG

T0.01

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GENERAL NOTES:

A. TELECOMMUNICATIONS PATHWAYS ARE SHOWN SCHEMATICALLY. CONTRACTOR RESPONSIBLE FOR COORDINATION OF TELECOMMUNICATIONS PATHWAYS LOCATIONS AND INSTALLATION, WITH OWNER AND OTHER TRADES PRIOR TO THE START OF INSTALLATION.
B. CONTRACTOR SHALL RUN TELECOMMUNICATIONS CONDUITS PARALLEL TO ELECTRICAL CONDUITS WHERE POSSIBLE.
C. TELECOMMUNICATIONS SYSTEMS INSTALLATIONS TO ADHERE TO LOCALLY ADOPTED CODES, AND CURRENT, PUBLISHED TIA STANDARDS.
D. SLOPE UNDERGROUND CONDUIT PATHWAYS, 4 INCHES PER 100 LINEAR FEET, AWAY FROM BUILDING. LOW POINTS BETWEEN ENDS OF CONDUITS ARE NOT ACCEPTABLE.
E. SEAL AND CAP UNDERGROUND CONDUITS TO PREVENT MOISTURE PENETRATION.
F. CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UNDERGROUND UTILITIES/SERVICES PRIOR TO STARTING UNDERGROUND WORK. CONTRACTOR TO PROTECT IN PLACE. EXISTING UNDERGROUND UTILITIES/SERVICES AS REQUIRE
G. CONTRACTOR SHALL VALIDATE FINAL WAP LOCATIONS WITH OWNER PRIOR TO INSTALLATION
H. CONTRACTOR IS RESPONSIBLE TO MATCH ANSI-TIER RATING OF HAND HOLE TO THE APPLICATION.

KEYED NOTES

1. (1) 1" CONDUIT
2. (1) 3" CONDUIT
3. (2) 2" CONDUITS. RESERVED FOR SERVICE PROVIDER
4. (1) 1.5" CONDUIT
5. 12"W X 24"L X 12" D QUAZITE HANDHOLE
6. CONTRACTOR SHALL COORDINATE BUILDING PENETRATION WITH OWNER AND STRUCTURAL ENGINEER. OWNER SHALL BE RESPONSIBLE FOR ANY LIMITATIONS DUE TO THE HISTORICAL NATURE OF THE BUILDING.
7. REFER TO DETAIL #5 ON SHEET T0.01 FOR EQUIPMENT DETAILS. USE D-RINGS TO SUPPORT TELECOMMUNICATIONS CABLES IN ADMIN BUILDING. TELECOMMUNICATIONS RACK IS PROVIDED BY OTHERS. LOCATION IS TBD. CONTRACTOR SHALL PROVISION 50' SLACK LOOP FOR EACH FIBER CABLE FOR POTENTIAL CABINET RELOCATION.
8. NOT USED
9. EXISTING SERVICE PROVIDER POLE.
10. WAP WILL BE INSTALLED DURING LATER CONSTRUCTION PHASES AND IS SHOWN FOR REFERENCE ONLY.

CONDUIT LEGEND

- ELECTRICAL CONDUITS. SHOWN FOR REFERENCE ONLY
- TELECOMMUNICATIONS CONDUIT
- FUTURE TELECOMMUNICATIONS CONDUIT. SHOWN FOR REFERENCE ONLY

1 TECHNOLOGY SITE PLAN
1" = 40'-0"

0' 20' 40' 80'
1"=40'

N

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PHASE

PHASE 1 BID PS&E DOCUMENTS

100% SCHEMATIC DESIGN (30%)	07.18.22
PHASE 1 - CD PROGRESS SET	10.07.22
PHASE 1 - 75% PS&E	11.04.22
PHASE 1 - 90% PS&E	12.09.22
PHASE 1 - 100% PS&E BID CHK SET	03.20.23
PHASE 1 - 100% PS&E BID SET	04.28.23
PHASE 1 - BID PS&E DOCUMENTS	05.26.23
BID ADDENDUM 1	07.03.23
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TECHNOLOGY SITE PLAN - PHASE 1

PROJECT	C220051	DRAWN BY	MC
SCALE	1" = 40'-0"	CHECKED BY	TG

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ALL PLUMBING PRODUCTS MUST MEET THE REDUCTION IN LEAD IN DRINKING WATER ACT.

1. LEAD CONTENT IN POTABLE WATER SYSTEMS SHALL BE LESS THAN 0.25 PERCENT FOR VALVES, FITTINGS AND FIXTURES.

2. LEAD CONTENT IN POTABLE WATER SYSTEMS SHALL BE LESS THAN 0.20 PERCENT FOR SOLDER AND FLUX.

ALL PLUMBING PRODUCTS REQUIRED BY LAW SHALL BE THIRD PARTY CERTIFIED AND LABELED BY AN APPROVED ANSI CERTIFICATION BODY TO MEET ANSI/NSF STANDARD 61 FOR POTABLE WATER USE, AND NSF 372 FOR LOW LEAD CONTENT.

GENERAL NOTES

A. THE WORK UNDER THESE SPECIFICATIONS SHALL INCLUDE ALL LABOR, SERVICES, MATERIALS AND EQUIPMENT, AND PERFORMANCE OF ALL WORK REQUIRED FOR THE INSTALLATION OF ALL PLUMBING WORK AS SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED.

B. THE PLUMBING CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIALS, AND COSTS REQUIRED TO FACILITATE CONSTRUCTION OF THE NEW WORK AND REMODELING OF THE EXISTING SYSTEMS.

C. PLUMBING CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION OF A COMPLETE AND PROPER FUNCTIONING SYSTEM.

D. IF NEW WORK IS TO CONNECT TO EXISTING BASE-SYSTEMS OR RISERS, A TEST AND BALANCE CONTRACTOR SHALL PROVIDE INITIAL PRESSURE, SUPPLY TEMPERATURES AND FLOW MEASUREMENTS AT MAJOR CONNECTION LOCATIONS AND DURING NORMAL SYSTEM OPERATION PRIOR TO ANY DEMOLITION OR NEW WORK BEING ACCOMPLISHED. PLUMBING CONTRACTOR SHALL REVIEW PROVIDED INFORMATION AND IDENTIFY ANY PERCEIVED ISSUES WITH THE DESIGN TEAM.

E. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE AND VERIFYING ALL EXISTING FIELD CONDITIONS PRIOR TO SUBMISSION OF HIS BID. THE CONTRACT DOCUMENTS INDICATE APPROXIMATE LOCATION OF EXISTING PIPING AND SYSTEM COMPONENTS AND ARE DIAGRAMMATIC IN NATURE. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE ACTUAL LOCATION, ROUTING AND SIZE OF THE PIPING AND COMPONENTS. NO EXTRA CHARGES WILL BE ACCEPTED BY THE OWNER'S REPRESENTATIVE FOR WORK THAT HAS TO BE PERFORMED DUE TO THE PLUMBING CONTRACTOR'S FAILURE TO ADEQUATELY VERIFY EXISTING CONDITIONS.

F. THE PLUMBING DRAWINGS ARE DIAGRAMMATIC AND SHALL BE FOLLOWED AS CLOSELY AS ACTUAL CONSTRUCTION OF THE SITE AND THE WORK OF OTHER TRADE CONTRACTORS WILL PERMIT. ALL CHANGES FROM DRAWINGS NECESSARY TO MAKE THE WORK OF EACH CONTRACTOR CONFORM TO THE OWNER'S REPRESENTATIVE. CONSTRUCTION AND THE WORK OF OTHER TRADE CONTRACTORS SHALL BE DONE AT THE APPROPRIATE TRADE CONTRACTOR'S EXPENSE.

G. LOCATION OF ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY AND EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS SHALL BE DETERMINED AT THE SITE, SUBJECT TO REVIEW.

H. SHOULD THERE BE ANY DISCREPANCIES OR A QUESTION OF INTENT, REFER THE MATTER TO THE LANDSCAPE ARCHITECT FOR A DECISION BEFORE ORDERING ANY EQUIPMENT OR MATERIALS OR BEFORE STARTING ANY RELATED WORK.

I. REFER TO LANDSCAPE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT, PARTITIONS, WALLS, AND GENERAL CONSTRUCTION.

J. SUBMIT SKETCHES INDICATING ANY DEVIATIONS FROM THE DRAWINGS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

K. WHERE WORK CONNECTS TO THAT OF ANOTHER TRADE, OR TO PIPING OR EQUIPMENT IN PLACE, TAKE MEASUREMENTS IN THE FIELD TO MAKE CONNECTING WORK COME TRUE AND LINE UP WITH THE ITEM BEING CONNECTED.

L. MAKE ANY REQUIRED NEW CONNECTIONS TO EXISTING SEWERS, STACKS, RISERS, AND BRANCH PIPING AS INDICATED ON THE PLANS AND RISER DIAGRAMS AND AS NECESSARY TO COMPLETE THE WORK. EXISTING DRAINAGE PIPING SHALL BE CLEANED AND INSPECTED, AND TESTED FOR ADEQUATE OPERATION, PRIOR TO REUSE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SERVICES RELATED TO CLEANING AND INSPECTIONS. ANY PIPING NOT DRAINING PROPERLY SHOULD BE BROUGHT TO THE OWNER'S ATTENTION.

M. PLUMBING CONTRACTOR IS RESPONSIBLE FOR COORDINATING PLUMBING WORK WITH THE WORK OF ALL OTHER TRADES, MAKING ANY NECESSARY MODIFICATIONS INCLUDING OFFSETS TO PLUMBING WORK AT NO ADDITIONAL COST.

N. MINOR ITEMS AND ACCESSORIES OR DEVICES REASONABLY INFERABLE AS NECESSARY, TO THE COMPLETE AND PROPER INSTALLATION AND OPERATION OF ANY SYSTEM, SHALL BE PROVIDED BY THE TRADE CONTRACTOR FOR SUCH SYSTEM WHETHER OR NOT THEY ARE SPECIFICALLY CALLED FOR BY THE SPECIFICATIONS OR DRAWINGS.

O. PLUMBING CONTRACTOR SHALL PROVIDE ALTERNATE PRODUCT SUBSTITUTION OF ANY DISCONTINUED PRODUCT INCLUDED IN THESE SPECIFICATIONS. PRODUCT SHALL BE OF THE SAME MANUFACTURER AS SPECIFIED, AND SUBMITTED WITH NOTIFICATION FROM THE MANUFACTURER INDICATING SUBSTITUTED PRODUCT REPLACES/EXCEEDS SPECIFIED MODEL NUMBER.

P. PLUMBING CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND INCLUDING ANY ITEMS NOT INDICATED ON THE DRAWINGS BUT NECESSARY FOR THE PROPER OPERATION OF THE PLUMBING SYSTEMS.

Q. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OF ANY MINOR INTERFERENCES, INCLUDING CONDUIT, HANGERS, ETC., AT NO ADDITIONAL COST TO OWNER.

R. EACH MAJOR COMPONENT OF EQUIPMENT SHALL HAVE THE MANUFACTURER'S NAME, ADDRESS, MODEL NUMBER AND RATING ON A PLATE SECURELY AFFIXED IN A CONSPICUOUS PLACE.

S. CODE RATINGS, LABELS OR OTHER DATA WHICH ARE DIE-STAMPED OR OTHERWISE AFFIXED TO THE SURFACE OF THE EQUIPMENT SHALL BE IN A VISIBLE LOCATION.

T. ALL EQUIPMENT PROVIDED UNDER THESE SPECIFICATIONS SHALL PERFORM WITH THE LEAST POSSIBLE NOISE AND VIBRATION CONSISTENT WITH ITS DUTY. QUIETNESS OF OPERATION OF ALL EQUIPMENT IS A REQUIREMENT. ANY EQUIPMENT, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, OR ENGINEER TO BE PRODUCING OBJECTIONABLE NOISE OR TRANSMITTING NOISE OR VIBRATION TO THEB SHALL BE REPAIRED OR REMOVED AND REPLACED.

U. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES. THESE CODES SHALL BE FOLLOWED AS A MINIMUM. CONTRACTOR SHALL PROVIDE HIGHER GRADES OF MATERIAL AND WORKMANSHIP WHERE SPECIFIED OR REQUIRED. PROVIDE ALL TESTS REQUIRED BY LOCAL CODES.

V. SHOP DRAWINGS, PRODUCT DATA AND/OR SAMPLES SHALL BE SUBMITTED FOR ALL EQUIPMENT AS SPECIFIED OR SCHEDULED. SHOP DRAWING PLANS SHALL BE ¼" SCALE AND SHALL INDICATE LAYOUT OF ALL EQUIPMENT AND PIPING, AS WELL AS ASSOCIATED SIZES.

W. CONTRACTOR SHALL PROVIDE ONE SET OF AUTOCAD FILES AND TWO SETS OF PRINTS TO OWNER'S REPRESENTATIVE AND ONE SET OF PRINTS TO ENGINEER SHOWING AS-BUILT CONDITIONS OF ALL CONTRACT WORK. CONTRACTOR SHALL FURNISH OWNER WITH THREE INSTRUCTION MANUALS IN BOUND FORM CONTAINING DATA COVERING CAPACITIES, MAINTENANCE, AND OPERATION OF ALL EQUIPMENT AND APPARATUS. MANUALS SHALL BE EDITED TO BE PRODUCT SPECIFIC FOR PRODUCTS ACTUALLY INSTALLED ON THE PROJECT.

X. PLUMBING CONTRACTOR SHALL REMOVE EXISTING PLUMBING EQUIPMENT AND MATERIALS AS SPECIFIED OR AS REQUIRED, WHETHER SHOWN ON THE DRAWINGS OR NOT TO PREPARE FOR THE NEW WORK. PLUMBING CONTRACTOR SHALL TAKE POSSESSION OF REMOVED EQUIPMENT AND MATERIALS AND REMOVE THEM FROM THE SITE PROMPTLY, EXCEPT AS SPECIFIED BELOW OR UNLESS OTHERWISE NOTED ON THE DRAWINGS.

Y. ALL SALVAGEABLE MATERIAL AND EQUIPMENT, INCLUDING BUT NOT NECESSARILY LIMITED TO WATER HEATERS, GREASE TRAPS, PIPING, VALVES, ETC., SHALL BE REMOVED AND MAINTAINED IN AS GOOD CONDITION AS POSSIBLE AND TURNED OVER TO THE OWNER'S REPRESENTATIVE. HOWEVER, IF THE OWNER'S REPRESENTATIVE DECIDES ANY SUCH MATERIALS ARE OF NO VALUE TO THE PROJECT THEN THEY SHALL BECOME THE PROPERTY OF THE PLUMBING CONTRACTOR WHO SHALL REMOVE SUCH DISCARDED WORK FROM THE PREMISES AND DISPOSE OF SAME.

Z. EXISTING EQUIPMENT OR SYSTEMS WHICH ARE SPECIFIED TO BE REPLACED BY NEW EQUIPMENT OR SYSTEMS SHALL NOT BE REMOVED FROM SERVICE UNTIL THE NEW EQUIPMENT OR SYSTEMS HAVE ACTUALLY ARRIVED AT THE PROJECT SITE.

AA. ALL PERMITS, LICENSES, APPROVALS, AND OTHER ARRANGEMENTS FOR WORK SHALL BE OBTAINED BY THE PLUMBING CONTRACTOR AT OWN EXPENSE.

BB. REFER TO LANDSCAPE ARCHITECTURAL, ELECTRICAL, DRAWINGS FOR ADDITIONAL DETAILS AND COORDINATION REQUIREMENTS.

CC. IN GENERAL, ALL PIPING, AND SIMILAR ITEMS SHALL BE INSTALLED CONCEALED FROM VIEW ABOVE THE CEILING, IN PARTITIONS, SHAFTS, OR CHASES, UNLESS OTHERWISE INDICATED.

DD. WHERE PIPES ARE LOCATED INSIDE PARTITIONS, OR FURRED OUT SPACES AND CHASES, OBTAIN INFORMATION AS TO THEIR EXACT LOCATION AND SIZE AND INSTALL WORK SO AS TO BE ENTIRELY CONCEALED IN THE ALLOTTED SPACE. IF CONFLICTS ARISE MAKING THIS IMPOSSIBLE, OBTAIN INSTRUCTIONS FROM THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

EE. THE PLUMBING CONTRACTOR SHALL PROTECT ALL EXISTING PICNIC TABLE SURFACES, EQUIPMENT, AND FIXTURES FROM DAMAGE FROM THE CONSTRUCTION WORK FOR THIS PROJECT. ANY DAMAGE CAUSED BY THE PLUMBING CONTRACTOR SHALL BE REPAIRED AT THE PLUMBING CONTRACTOR'S EXPENSE.

FF. THE PLUMBING CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH THE OWNER'S REPRESENTATIVE REGARDING COUNTTY RULES AND REGULATIONS INCLUDING WORKING HOURS, REFUSE DISPOSAL, SECURITY, INTERRUPTIONS OF SITE UTILITIES OR FUNCTIONS, OWNERSHIP OF SALVAGED MATERIALS AND ANY OTHER ITEM DEEMED TO BE OF MUTUAL INTEREST.

GG. PLUMBING CONTRACTOR SHALL COMPLY WITH SPECIFICATIONS FOR ALL STANDARDS OF WORKMANSHIP REQUIRED FOR ALL NEW EQUIPMENT AND MATERIALS BEING INSTALLED.

HH. IT SHALL BE THE PLUMBING CONTRACTOR'S RESPONSIBILITY TO STORE HIS MATERIALS IN A MANNER THAT WILL MAINTAIN AN ORDERLY CLEAN APPEARANCE. IF STORED ON-SITE IN OPEN OR UNPROTECTED AREAS, ALL EQUIPMENT AND MATERIAL SHALL BE KEPT OFF THE GROUND BY MEANS OF PALLETS OR RACKS, AND COVERED WITH TARPAULINS. EQUIPMENT AND MATERIAL, IF LEFT OUT IN THE OPEN AND DAMAGED, SHALL BE REPAINTED OR OTHERWISE REFURBISHED AT THE DISCRETION OF THE OWNER'S REPRESENTATIVE. EQUIPMENT AND MATERIAL IS SUBJECT TO REJECTION AND REPLACEMENT IF, IN THE OPINION OF THE ENGINEER OR MANUFACTURER, THE EQUIPMENT HAS DETERIORATED OR BEEN DAMAGED TO THE EXTENT THAT ITS IMMEDIATE USE IS QUESTIONABLE, OR THAT ITS NORMAL LIFE EXPECTANCY HAS BEEN CURTAILED.

II. PROVIDE ALL HOLES, SLEEVES, CUTTING, PATCHING AND CAULKING FOR INSTALLATION OF THIS WORK PER THE PROJECT REQUIREMENTS AND LOCAL CODE AUTHORITY. CAULKING SHALL CONFORM TO THE FIRE RATING OF THE FLOORS AND WALLS. PROPERLY SEAL ALL PENETRATIONS THROUGH BLOCK WALLS.

JJ. VOLTAGE AND PHASE FOR ALL EQUIPMENT SHALL BE VERIFIED WITH THE ELECTRICAL CONTRACTOR BY THE PLUMBING CONTRACTOR PRIOR TO ORDERING.

KK. ALL FINAL POWER (LINE VOLTAGE) WIRING AND CONNECTIONS OF ALL EQUIPMENT SHALL BE DONE BY THE ELECTRICAL CONTRACTOR.

LL. THE PLUMBING CONTRACTOR SHALL REPAIR OR REPLACE ANY FIREPROOFING REMOVED OFF OF BEAMS IN ORDER TO INSTALL, REPAIR, OR REMOVE ANY ITEMS INCLUDED IN THE PLUMBING CONTRACTOR'S SCOPE OF WORK.

MM. FINAL INSPECTION AND TESTS SHALL BE MADE IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE BY THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION. ALL NEW EQUIPMENT SHALL BE CLEANED AND ADJUSTED AS REQUIRED TO OPERATE SATISFACTORILY AND WITNESSED BY OWNER PERSONNEL. EACH CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, INSTRUMENTS, AND MISCELLANEOUS EQUIPMENT REQUIRED FOR TESTS.

NN. PROVIDE COMPETENT OPERATING TECHNICIAN TO INSTRUCT THE OWNER'S REPRESENTATIVE IN THE OPERATION AND MAINTENANCE OF THE INSTALLED EQUIPMENT.

OO. CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR ONE YEAR AFTER FINAL ACCEPTANCE AGAINST ALL DEFECTS OF MATERIAL, EQUIPMENT, AND WORKMANSHIP. ANY DEFECTIVE MATERIALS OR WORKMANSHIP AS WELL AS DAMAGE TO THE WORK OF ALL TRADES RESULTING FROM SAME SHALL BE REPLACED OR REPAIRED AS DIRECTED FOR THE DURATION OF THE STIPULATED GUARANTEE PERIOD.

PP. RUN NEW WASTE PIPING AS CLOSE AS POSSIBLE TO UNDERSIDE OF FLOOR SLAB AND VENT PIPING AS CLOSE AS POSSIBLE TO SLAB ABOVE.

QQ. CONTRACTOR SHALL SUBMIT SKETCH FOR APPROVAL TO COUNTY CONTRACTED OWNER'S REPRESENTATIVE. MANAGEMENT PRIOR TO MAKING ANY REQUIRED BEAM PENETRATIONS.

RR. DISRUPTION OF ANY EXISTING SERVICE SHALL BE COORDINATED WITH THE OWNER AND SHALL BE PERFORMED AT A TIME AND IN A MANNER SO AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE.

SS. REFER TO LANDSCAPE ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF PLUMBING FIXTURES.

TT. EXISTING PIPING IS SHOWN LIGHT AND NEW PIPING IS SHOWN HEAVY ON DRAWINGS.

UU. ANY EXISTING DOWNSPOUT, SOIL OR WASTE STACK, VENT OR WATER RISERS OR BRANCH PIPING FOUND TO BE IN DETERIORATED OR IRREPARABLE CONDITION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER FOR DECISION FOR REPLACEMENT, AND THE EXTENT OF REPLACEMENT.

VV. ALL EXISTING VENT, WASTE AND WATER PIPING INDICATED TO BE REMOVED SHALL BE REMOVED BACK TO THE LAST UPSTREAM ACTIVE FIXTURE OR TO THE MAIN OR RISER, AND CAPPED.

WW. REFER TO THE PIPE MATERIAL SCHEDULE WITHIN THESE DOCUMENTS FOR MATERIALS AND ACCESSORIES.

XX. REFER TO THE FIXTURE SCHEDULE WITHIN THESE DOCUMENTS FOR MINIMUM FIXTURE REQUIREMENTS.

YY. REFER TO THE EQUIPMENT SCHEDULE WITHIN THESE DOCUMENTS FOR MINIMUM EQUIPMENT REQUIREMENTS.

ZZ. THE CONTRACTOR SHALL OPERATE ALL OF THE FIXTURES AND VALVES OF THE SYSTEM AND SHALL MAKE ALL ADJUSTMENTS TO PROVIDE A BALANCED SYSTEM.

AAA. REFRIGERATORS, ICE MAKERS, COFFEE MAKERS, DISHWASHERS AND SIMILAR EQUIPMENT SHALL BE FURNISHED BY OTHERS. CONTRACTOR TO MAKE FINAL CONNECTIONS TO EQUIPMENT.

PLUMBING SYMBOL LIST

GENERAL ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
CI	CAST IRON
CO	CLEANOUT
CW	COLD WATER
DN	DOWN
ELEV	ELEVATION
EX	EXISTING
GCO	GRADE CLEANOUT
INV	INVERT
IE	INVERT ELEVATION
LAV	LAVATORY
SAN	SANITARY SEWER
SK	SINK
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VENT
VB	VACUUM BREAKER
WCO	WALL CLEANOUT
W	WASTE

SUSPENDED PIPING

	COLD WATER
W	WASTE
	VENT

UNDERGROUND PIPING

	COLD WATER
UGSAN	SANITARY WASTE
UGV	VENT
UGST	STORM DRAIN

PLUMBING SYMBOLS

CO	CLEAN OUT
FCO	FLOOR CLEAN OUT
	FLOW ARROW
	LINE BREAK
	NEW CONNECTION
	PIPE CAP
	PIPE DOWN
	PIPE DROP
	PIPE TRAP
	PIPE UP
	SHUT-OFF VALVE
	STRAINER

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PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST LUMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

PLUMBING GENERAL NOTE AND SYMBOLS

PROJECT	C220051	DRAWN BY	SA
SCALE	NTS	CHECKED BY	JD

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PIPING & INSULATION APPLICATIONS	PIPE											FITTINGS			JOINTS	INSULATION	REMARKS
NOTES:	TYPE K SOFT COPPER TUBING	TYPE L HARD COPPER TUBING	DUCTILE CAST IRON	HUBLESS CAST IRON SOIL PIPE	WROUGHT COPPER OR CAST BRONZE DRAINAGE	DUCTILE CAST IRON	HUBLESS CAST IRON SOIL PIPE	SOLDERED	THREADED	MECHANICAL GROOVED JOINT WITH GASKET	PUSH-ON	HEAVY DUTY NO-HUB COUPLING	FIBERGLASS	NOT APPLICABLE TO PROJECT	NOT APPLICABLE TO PROJECT		
SUSPENDED SANITARY/WASTE (2 1/2" & SMALLER)	●		●		●												
SUSPENDED SANITARY/WASTE (3" & LARGER)		●		●		●					●						
SUSPENDED VENT (2 1/2" & SMALLER)	●		●		●												
COLD WATER (1" & SMALLER)	●				●							●					

NOTE:

1. DRAWING PLANS, SCHEMATICS, AND DIAGRAMS INDICATE GENERAL LOCATION AND ARRANGEMENT OF PIPING SYSTEMS. DRAINAGE PIPING SHALL USE LONG SWEEP FITTINGS ON HORIZONTAL TO HORIZONTAL PIPING. SHORT SWEEP FITTINGS ARE ONLY ALLOWED ON CHANGE IN DIRECTION ON PIPING FROM HORIZONTAL TO VERTICAL.

PLUMBING FIXTURE SCHEDULE

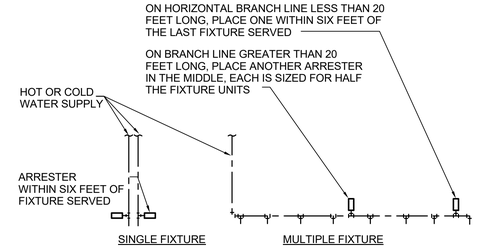
FIXTURE TYPE	TAG	MATERIAL	MANUFACTURER	MODEL #	FAUCET	REMARKS
SINK	SK-1	STANLESS STEEL	ELKAY	PLAFRU281610	"MODEL CONTEMPO K102G" BY BBQ-GUYS	SINGLE BOWL, UNDERMOUNT OUTDOOR SINK WITH ONE HOLE. MANUAL FAUCET DECK-MOUNTED WITH 1.8 GPM FLOW RATE.

FIXTURE CONNECTION SCHEDULE

FIXTURE TYPE	LOCAL PIPE SIZE		
	WASTE	VENT	COLD WATER
SINK	2"	1-1/2"	3/4"

SPECIALTY EQUIPMENT SCHEDULE

FIXTURE TYPE	TAG	MATERIAL	MANUFACTURER	MODEL #	REMARKS
AIR ADMITTANCE VALVE	STV-1	PVC	STUDOR - IPS CORP	MINI-VENT	MINI-VENT SHALL BE LOCATED A MINIMUM OF 4" ABOVE THE HORIZONTAL BRANCH FIXTURE DRAIN. VALVE SHOULD BE INSTALLED IN AN ACCESSIBLE LOCATION PER MANUFACTURE REQUIREMENTS.
SOLID INTERCEPTOR	SI-1	STAINLESS STEEL	MIFAB	MI-SOLID-SA-29-RB	SIDE ACCESS TYPE 316 14 GAUGE STAINLESS STEEL SOLIDS INTERCEPTOR WITH INTERNAL STAINLESS STEEL PERFORATED SEDIMENT BUCKET REMOVABLE FROM SIDE.
WATER HAMMER ARRESTOR	WHA	---	ZURN	1260XL	LEAD FREE, THREADED CONNECTION. INSTALL PER MANUFACTURE REQUIREMENTS.

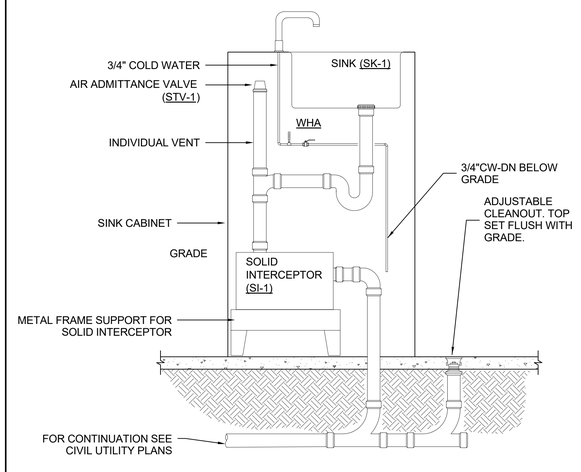


PDI SIZE	FIXTURE UNIT LOAD
AA	1-3
A	4-11
B	12-32
C	33-60
D	61-113
E	114-154
F	155-330

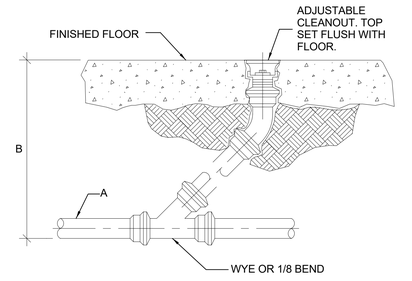
FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
WATER CLOSET (VALVE)	10	-
URINAL	5	-
LAVATORY	-	1
KITCHEN SINKS	3	3
MOP SINK	2.25	2.25
HAND SINKS	1.5	1.5
WALL HYDRANT/HOSE BIB	2	2

PROVIDE WATER HAMMER ARRESTERS WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 OR ANSI #A112.26.1M CERTIFICATION. SIZE AND INSTALL PER PDI #WH-201 STANDARD OR MANUFACTURER'S INSTRUCTION. REFER TO PROJECT SPECIFICATIONS FOR APPROVED MANUFACTURERS. IF PRESSURE IS IN EXCESS OF 65 PSIG THEN UPSIZE THE ARRESTER BY ONE (EXAMPLE: AN 'A' ARRESTER WOULD BECOME A 'B' ARRESTER.)

2 WATER HAMMER ARRESTER DETAIL
SCALE: NOT TO SCALE



3 SINK INSTALALTION WITH SOLID INTERCEPTOR
SCALE: NOT TO SCALE



MINIMUM DIMENSIONS A = PIPE SIZE B = PIPE INVERT			
A	4"	5"	6"
B	1'-8 1/2"	1'-9 1/2"	1'-10 3/4"

1 CLEANOUT TO FINISH FLOOR DETAIL
NOT TO SCALE

cmg
Landscape Architecture
444 Bryant St
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415.495.3070
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OWNER/CLIENT
SAN MATEO COUNTY
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS
ESD
Environmental Systems Design, Inc.
90 New Montgomery, Suite 1420
San Francisco, California 94105
415 486 3100
esdglobal.com

PROJECT NAME
FLOOD PARK
215 BAY STREET
MENLO PARK, CA
94025

STAMP

PHASE
PHASE 1 BID PS&E DOCUMENTS

100% SCHEMATIC DESIGN(30%)	07.18.22
PHASE 1 - CD PROGRESS SET	10.07.22
PHASE 1 - 75% PS&E	11.04.22
PHASE 1 - 90% PS&E	12.09.22
PHASE 1 - 100% PS&E BID CHK SET	03.20.23
PHASE 1 - 100% PS&E BID SET	04.28.23
PHASE 1 - BID PS&E DOCUMENTS	05.26.23
BID ADDENDUM 1	07.03.23
BID ADDENDUM 2	08.04.23
PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA
11/07/2023

SHEET TITLE
PLUMBING SCHEDULES AND DETAILS

PROJECT	C220051	DRAWN BY	SA
SCALE	NTS	CHECKED BY	JD

P0.02

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CONSULTANTS

Environmental Systems Design, Inc.

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San Francisco, California 94105
415 486 3100
esdglobal.com

PROJECT NAME

FLOOD PARK

215 BAY STREET
MENLO PARK, CA
94025

STAMP

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PHASE 1 - BID PS&E DOCUMENTS	05.26.23
BID ADDENDUM 1	07.03.23
BID ADDENDUM 2	08.04.23
PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

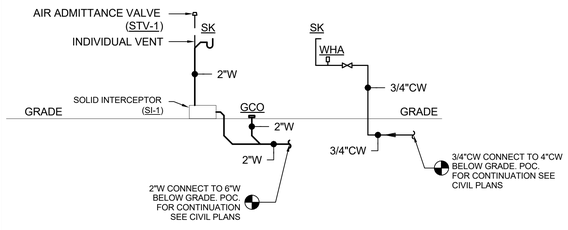
REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

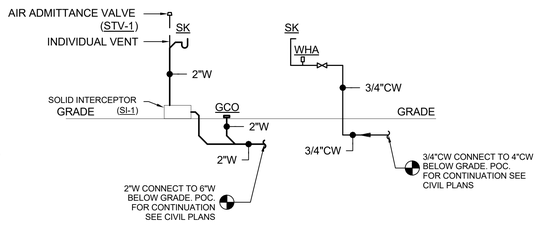
SHEET TITLE

PLUMBING RISER DIAGRAMS

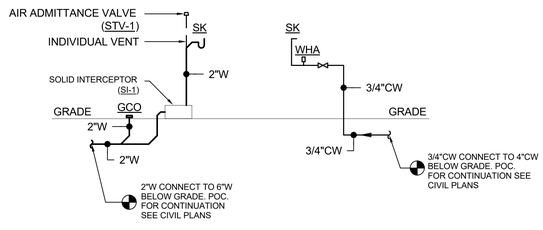
MADRONE RESERVABLE PICNIC AREA (R-C-100)



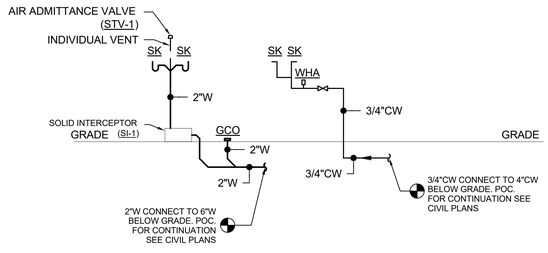
MAPLE RESERVABLE PICNIC AREA (R-B-100)



BAY RESERVABLE PICNIC AREA (R-A-150)



OAK RESERVABLE PICNIC AREA (R-E-50)



1 WATER & WASTE RISER DIAGRAM
NOT TO SCALE

PROJECT	C220051	DRAWN BY	SA
SCALE	NTS	CHECKED BY	JD

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1 **PLUMBING SITE PLAN**

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OWNER/CLIENT

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455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

ESD

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San Francisco, California 94105
415 486 3100
esdglobal.com

PROJECT NAME

FLOOD PARK

215 BAY STREET
MENLO PARK, CA
94025

STAMP

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100% SCHEMATIC DESIGN(30%)	07.18.22
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PHASE 1 - BID PS&E DOCUMENTS	05.26.23
BID ADDENDUM 1	07.03.23
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PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47682
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

PLUMBING SITE PLAN

PROJECT	C220051	DRAWN BY	SA
SCALE	1" = 40'-0"	CHECKED BY	JD

P1.00

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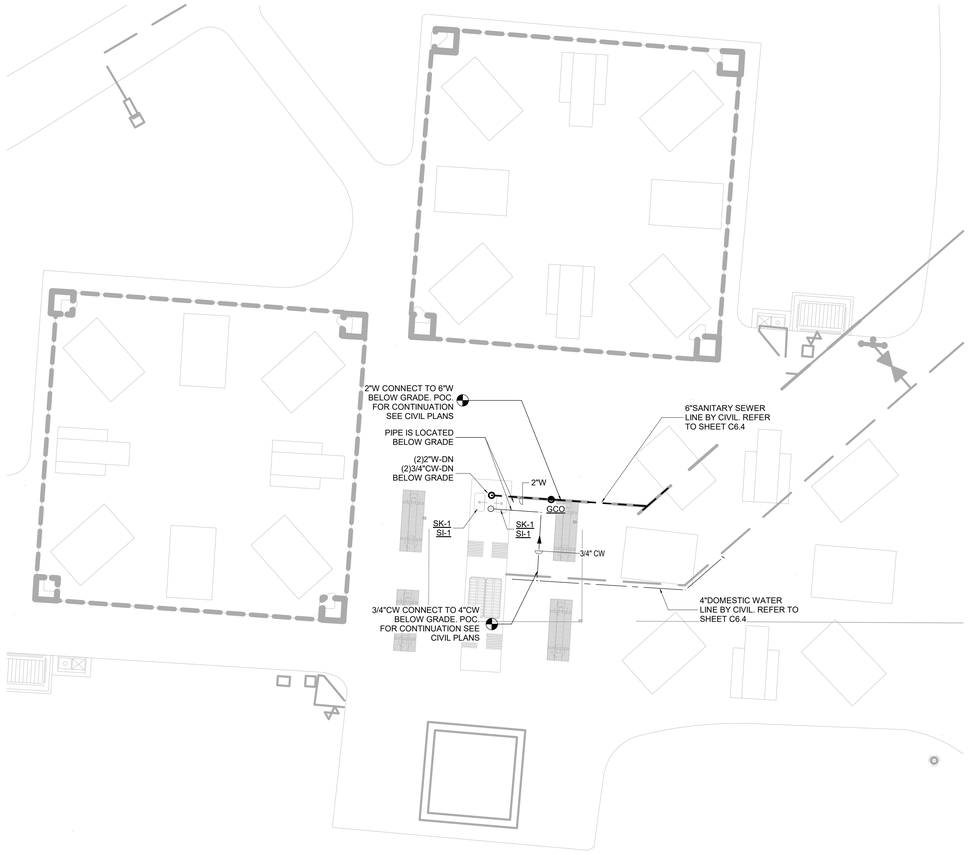
2 PLUMBING ENLARGED PLAN - BAY RESERVABLE PICNIC AREA
1/8" = 1'-0"



1 PLUMBING ENLARGED PLAN - OAK RESERVABLE PICNIC AREA
1/8" = 1'-0"

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REDWOOD CITY, CA 94063

CONSULTANTS

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San Francisco, California 94105
415 486 3100
esdglobal.com

PROJECT NAME

FLOOD PARK

215 BAY STREET
MENLO PARK, CA
94025

STAMP

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100% SCHEMATIC DESIGN(30%)	07.18.22
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

PLUMBING ENLARGED PLANS

PROJECT	C220051	DRAWN BY	SA
SCALE	1/8" = 1'-0"	CHECKED BY	JD

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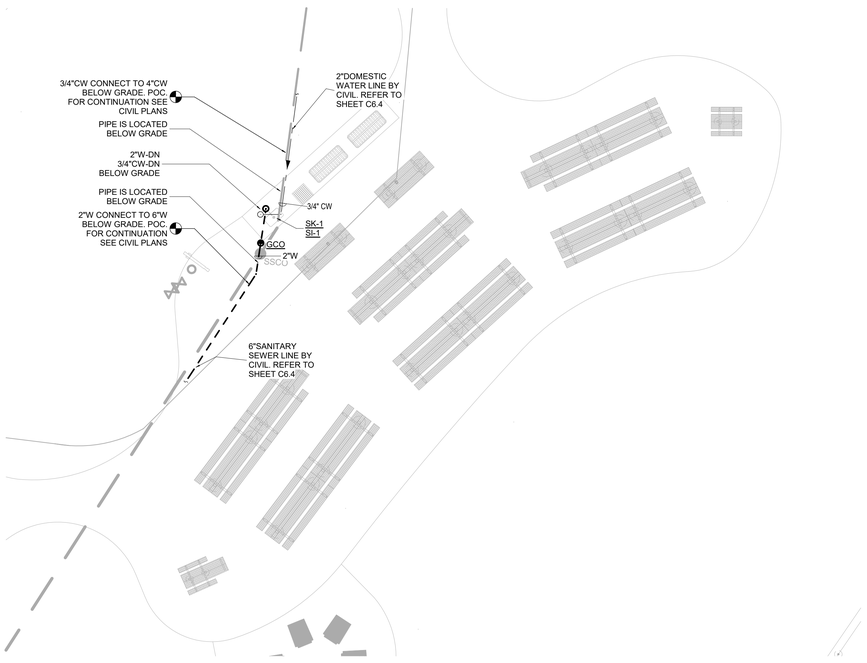
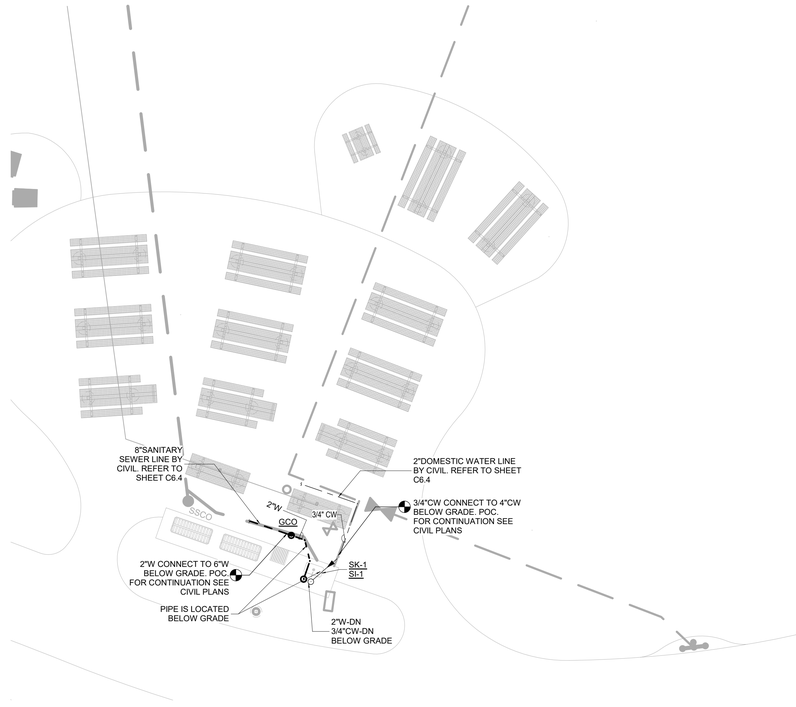


2 PLUMBING ENLARGED PLAN - MADRONE RESERVABLE PICNIC AREA
1/8" = 1'-0"



1 PLUMBING ENLARGED PLAN - MAPLE RESERVABLE PICNIC AREA
1/8" = 1'-0"

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415 486 3100
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PROJECT NAME

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215 BAY STREET
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94025

STAMP

PHASE

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100% SCHEMATIC DESIGN(30%)	07.18.22
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

PLUMBING ENLARGED PLANS

PROJECT	C220051	DRAWN BY	SA
SCALE	1/8" = 1'-0"	CHECKED BY	JD

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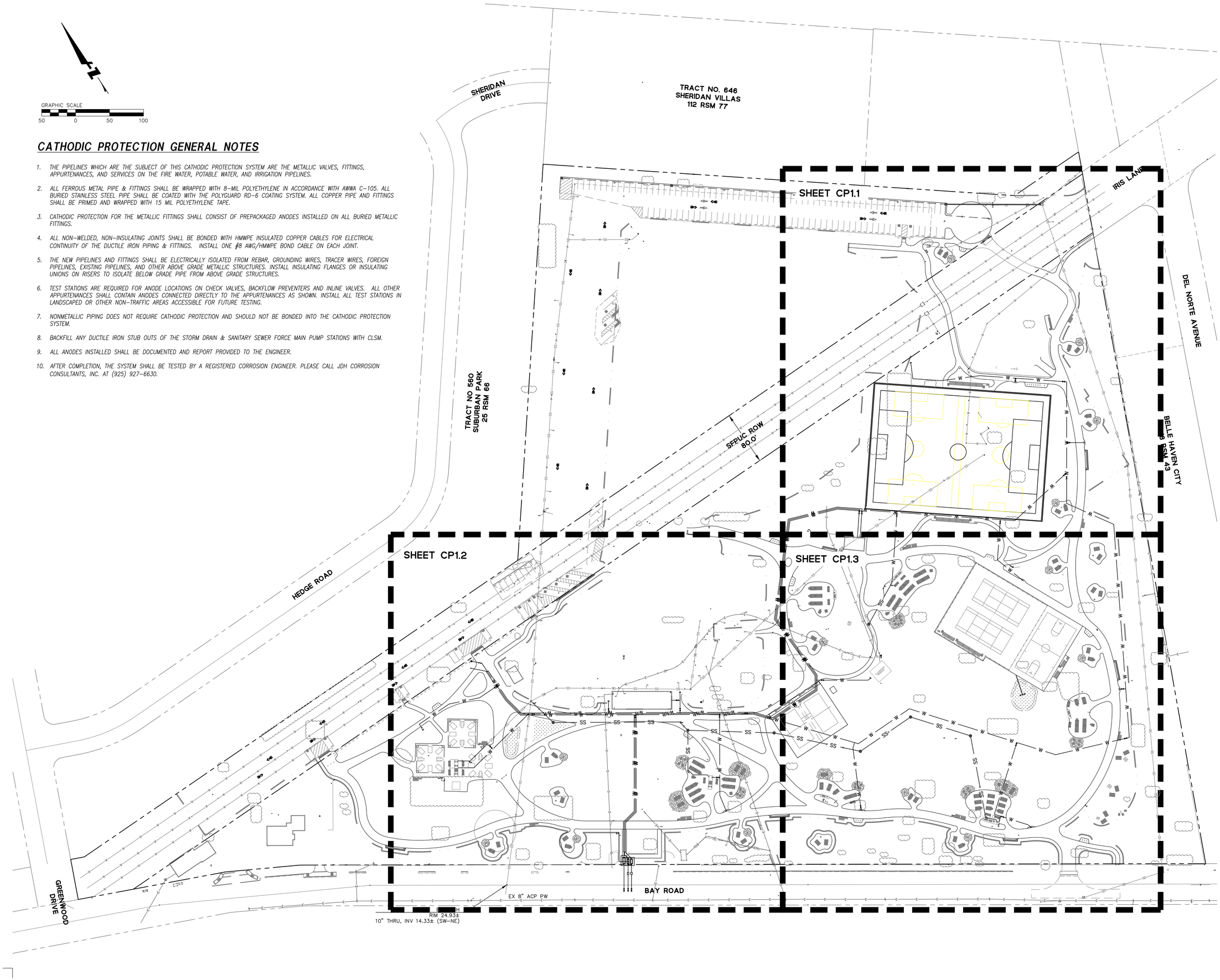
GRAPHIC SCALE

50 0 50 100

CATHODIC PROTECTION GENERAL NOTES

1. THE PIPELINES WHICH ARE THE SUBJECT OF THIS CATHODIC PROTECTION SYSTEM ARE THE METALLIC VALVES, FITTINGS, APPURTENANCES, AND SERVICES ON THE FIRE WATER, POTABLE WATER, AND IRRIGATION PIPELINES.
2. ALL FERROUS METAL PIPE & FITTINGS SHALL BE WRAPPED WITH 8-MIL POLYETHYLENE IN ACCORDANCE WITH AWWA C-105. ALL BURIED STAINLESS STEEL PIPE SHALL BE COATED WITH THE POLYGUARD RD-6 COATING SYSTEM. ALL COPPER PIPE AND FITTINGS SHALL BE PRIMED AND WRAPPED WITH 15 MIL POLYETHYLENE TAPE.
3. CATHODIC PROTECTION FOR THE METALLIC FITTINGS SHALL CONSIST OF PREPACKAGED ANODES INSTALLED ON ALL BURIED METALLIC FITTINGS.
4. ALL NON-WELDED, NON-INSULATING JOINTS SHALL BE BONDED WITH HMWPE INSULATED COPPER CABLES FOR ELECTRICAL CONTINUITY OF THE DUCTILE IRON PIPING & FITTINGS. INSTALL ONE #8 AWG/HMWPE BOND CABLE ON EACH JOINT.
5. THE NEW PIPELINES AND FITTINGS SHALL BE ELECTRICALLY ISOLATED FROM REBAR, GROUNDING WIRES, TRACER WIRES, FOREIGN PIPELINES, EXISTING PIPELINES, AND OTHER ABOVE GRADE METALLIC STRUCTURES. INSTALL INSULATING FLANGES OR INSULATING UNIONS ON RISERS TO ISOLATE BELOW GRADE PIPE FROM ABOVE GRADE STRUCTURES.
6. TEST STATIONS ARE REQUIRED FOR ANODE LOCATIONS ON CHECK VALVES, BACKFLOW PREVENTERS AND INLINE VALVES. ALL OTHER APPURTENANCES SHALL CONTAIN ANODES CONNECTED DIRECTLY TO THE APPURTENANCES AS SHOWN. INSTALL ALL TEST STATIONS IN LANDSCAPED OR OTHER NON-TRAFFIC AREAS ACCESSIBLE FOR FUTURE TESTING.
7. NONMETALLIC PIPING DOES NOT REQUIRE CATHODIC PROTECTION AND SHOULD NOT BE BONDED INTO THE CATHODIC PROTECTION SYSTEM.
8. BACKFILL ANY DUCTILE IRON STUB OUTS OF THE STORM DRAIN & SANITARY SEWER FORCE MAIN PUMP STATIONS WITH CLSM.
9. ALL ANODES INSTALLED SHALL BE DOCUMENTED AND REPORT PROVIDED TO THE ENGINEER.
10. AFTER COMPLETION, THE SYSTEM SHALL BE TESTED BY A REGISTERED CORROSION ENGINEER. PLEASE CALL JDH CORROSION CONSULTANTS, INC. AT (925) 927-6630.



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OWNER/CLIENT

SAN MATEO COUNTY
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CONSULTANTS

jdh corrosion consultants, inc.
1100 Willow Pass Court
Concord, CA 94520
(925)927-6630
FAX (925)927-6634
WWW.JDHCORROSION.COM

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER
ERNEST HOWARD III
No. CR 1055
Exp. June 30, 2025
CORROSION
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
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	PHASE 1 - 100% PS&E BID SET	04.28.23
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1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

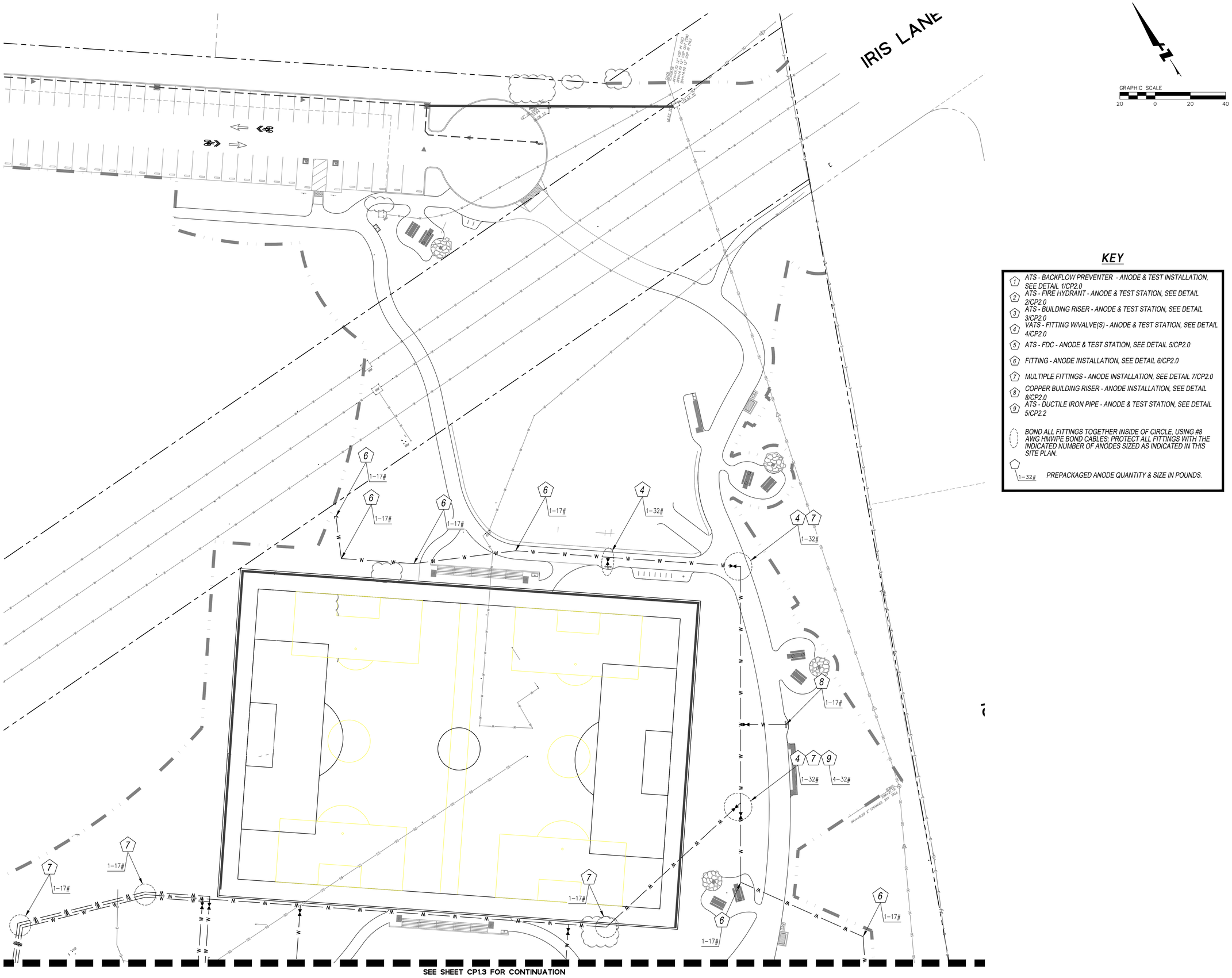
SHEET TITLE

CP SYSTEM OVERALL SITE PLAN

PROJECT	DRAWN BY
CSM 2101	JAW
SCALE	CHECKED BY
	JDH

SHEET NUMBER

CP1.0



KEY

1. ATS - BACKFLOW PREVENTER - ANODE & TEST INSTALLATION, SEE DETAIL 1/CP2.0
2. ATS - FIRE HYDRANT - ANODE & TEST STATION, SEE DETAIL 2/CP2.0
3. ATS - BUILDING RISER - ANODE & TEST STATION, SEE DETAIL 3/CP2.0
4. VATS - FITTING W/VALVE(S) - ANODE & TEST STATION, SEE DETAIL 4/CP2.0
5. ATS - FDC - ANODE & TEST STATION, SEE DETAIL 5/CP2.0
6. FITTING - ANODE INSTALLATION, SEE DETAIL 6/CP2.0
7. MULTIPLE FITTINGS - ANODE INSTALLATION, SEE DETAIL 7/CP2.0
8. COPPER BUILDING RISER - ANODE INSTALLATION, SEE DETAIL 8/CP2.0
9. ATS - DUCTILE IRON PIPE - ANODE & TEST STATION, SEE DETAIL 5/CP2.2

BOND ALL FITTINGS TOGETHER INSIDE OF CIRCLE, USING #8 AWG HMWPE BOND CABLES; PROTECT ALL FITTINGS WITH THE INDICATED NUMBER OF ANODES SIZED AS INDICATED IN THIS SITE PLAN.

1–32# PREPACKAGED ANODE QUANTITY & SIZE IN POUNDS.

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

jdh corrosion consultants, inc.
1100 Willow Pass Court
Concord, CA 94520
(925)927-6630
FAX (925)927-6634
WWW.JDHCORROSION.COM

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER
ABBY HOWARD
No. CR 1055
Exp. June 30, 2025
CORROSION
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

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	100% SCHEMATIC DESIGN (30%)	07.18.22
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/25
CIVIL
STATE OF CALIFORNIA

11/07/2023

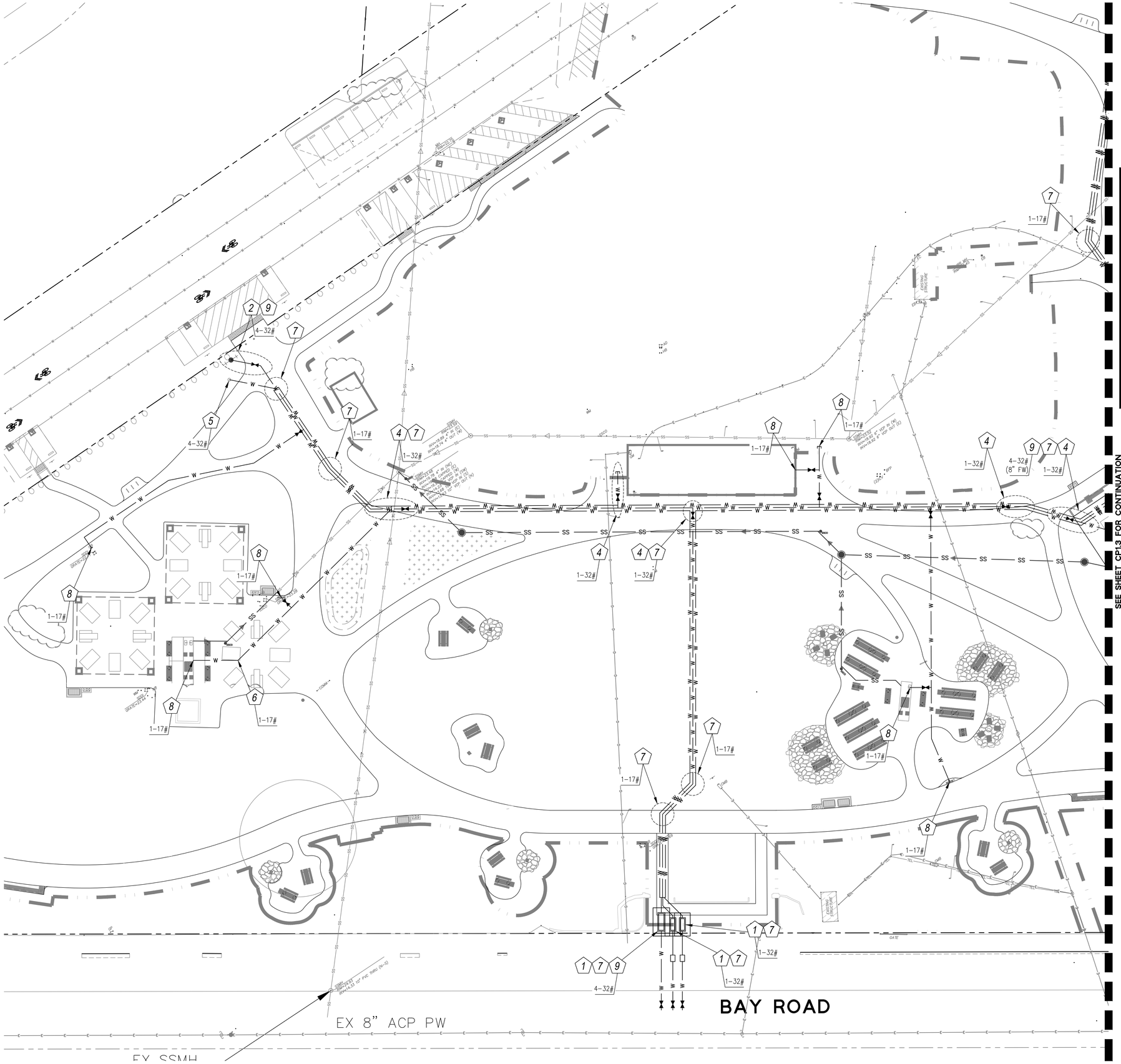
SHEET TITLE

CP SYSTEM SITE PLAN 1

PROJECT	DRAWN BY
CSM 2101	JAW
SCALE	CHECKED BY
	JDH

SHEET NUMBER

CP1.1



KEY

1. ATS - BACKFLOW PREVENTER - ANODE & TEST INSTALLATION, SEE DETAIL 1/CP2.0
2. ATS - FIRE HYDRANT - ANODE & TEST STATION, SEE DETAIL 2/CP2.0
3. ATS - BUILDING RISER - ANODE & TEST STATION, SEE DETAIL 3/CP2.0
4. VATS - FITTING W/VALVE(S) - ANODE & TEST STATION, SEE DETAIL 4/CP2.0
5. ATS - FDC - ANODE & TEST STATION, SEE DETAIL 5/CP2.0
6. FITTING - ANODE INSTALLATION, SEE DETAIL 6/CP2.0
7. MULTIPLE FITTINGS - ANODE INSTALLATION, SEE DETAIL 7/CP2.0
8. COPPER BUILDING RISER - ANODE INSTALLATION, SEE DETAIL 8/CP2.0
9. ATS - DUCTILE IRON PIPE - ANODE & TEST STATION, SEE DETAIL 5/CP2.2

BOND ALL FITTINGS TOGETHER INSIDE OF CIRCLE, USING #8 AWG HMWPE BOND CABLES; PROTECT ALL FITTINGS WITH THE INDICATED NUMBER OF ANODES SIZED AS INDICATED IN THIS SITE PLAN.

1–32# PREPACKAGED ANODE QUANTITY & SIZE IN POUNDS.

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OWNER/CLIENT

SAN MATEO COUNTY
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455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

jdh corrosion consultants, inc.
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Concord, CA 94520
(925)927-6630
FAX (925)927-6634
WWW.JDHCORROSION.COM

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER
DARBY HOWARD JR.
No. CR 1055
Exp. June 30, 2023
CORROSION
STATE OF CALIFORNIA

PHASE

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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA
11/07/2023

SHEET TITLE

CP SYSTEM SITE PLAN 2

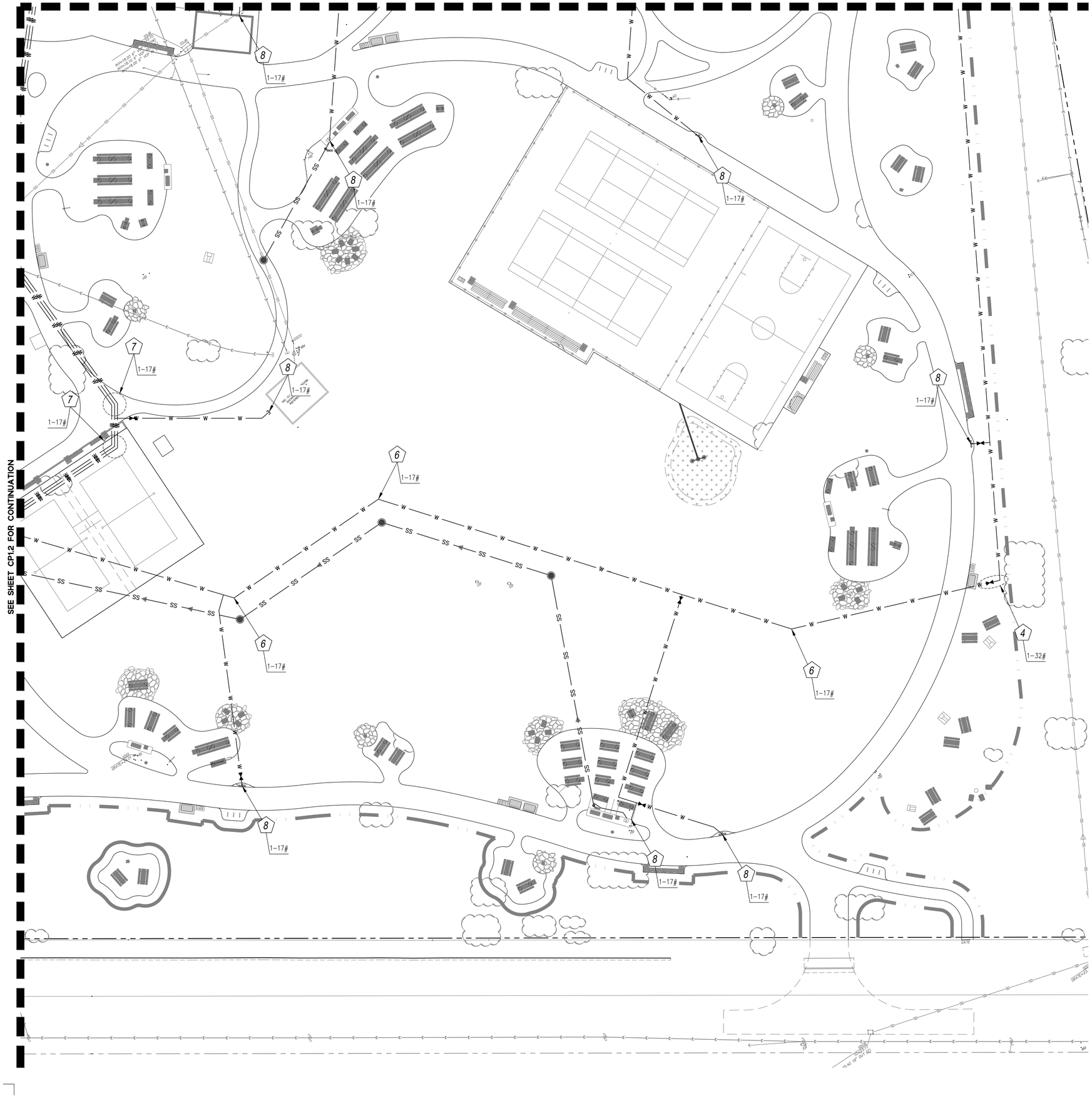
PROJECT	DRAWN BY
CSM 2101	JAW
SCALE	CHECKED BY
	JDH

SHEET NUMBER

CP1.2

SEE SHEET CP1.1 FOR CONTINUATION

SEE SHEET CP1.2 FOR CONTINUATION



KEY

1. ATS - BACKFLOW PREVENTER - ANODE & TEST INSTALLATION, SEE DETAIL 1/CP2.0
2. ATS - FIRE HYDRANT - ANODE & TEST STATION, SEE DETAIL 2/CP2.0
3. ATS - BUILDING RISER - ANODE & TEST STATION, SEE DETAIL 3/CP2.0
4. VATS - FITTING W/VALVE(S) - ANODE & TEST STATION, SEE DETAIL 4/CP2.0
5. ATS - FDC - ANODE & TEST STATION, SEE DETAIL 5/CP2.0
6. FITTING - ANODE INSTALLATION, SEE DETAIL 6/CP2.0
7. MULTIPLE FITTINGS - ANODE INSTALLATION, SEE DETAIL 7/CP2.0
8. COPPER BUILDING RISER - ANODE INSTALLATION, SEE DETAIL 8/CP2.0
9. ATS - DUCTILE IRON PIPE - ANODE & TEST STATION, SEE DETAIL 5/CP2.2

BOND ALL FITTINGS TOGETHER INSIDE OF CIRCLE, USING #8 AWG HMWPE BOND CABLES; PROTECT ALL FITTINGS WITH THE INDICATED NUMBER OF ANODES SIZED AS INDICATED IN THIS SITE PLAN.

1-32# PREPACKAGED ANODE QUANTITY & SIZE IN POUNDS.

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OWNER/CLIENT

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PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER
DARBY HOWARD
No. CR 1055
Exp. June 30, 2023
CORROSION
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
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	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

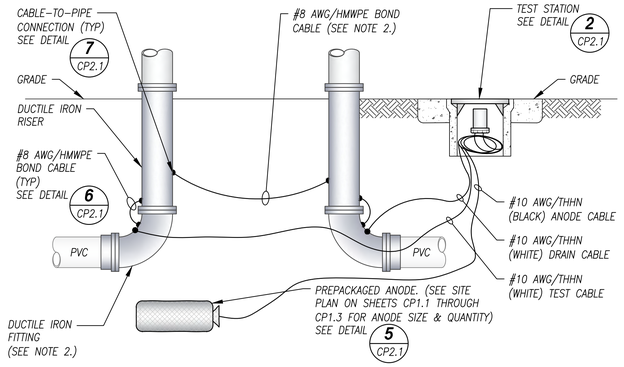
SHEET TITLE

CP SYSTEM SITE PLAN 3

PROJECT	DRAWN BY
CSM 2101	JAW
SCALE	CHECKED BY
	JDH

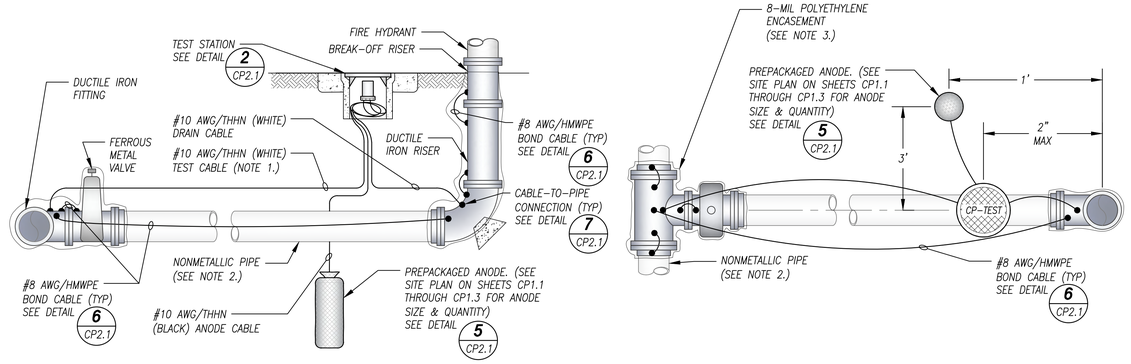
SHEET NUMBER

CP1.3



NOTES:
1. BOND THE RISERS OF THE BACKFLOW PREVENTER TOGETHER WITH ONE #8 AWG/HMWPE CABLE.
2. BOND ALL BURIED, NON-WELDED METALLIC PIPE JOINTS. SEE DETAIL 2 ON SHEET CP-3 BOND ANY NEARBY FERROUS METAL FITTINGS TOGETHER BY INSTALLING ONE #8 AWG/HMWPE BOND CABLE FROM FITTING TO FITTING ACROSS EACH JOINT.
3. COAT ALL BURIED BOLTS & NUTS WITH BITUMASTIC AND ENCASE ALL DUCTILE IRON PIPE & FITTINGS IN POLYETHYLENE PER CATHODIC PROTECTION GENERAL NOTE 2. ON SHEET CP1.0.

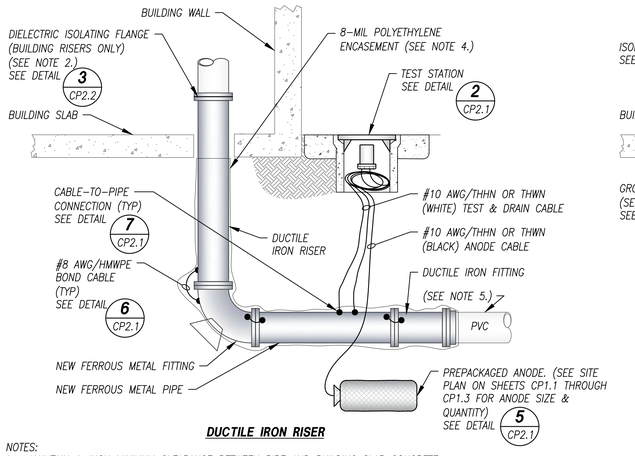
1 CP2.0 REDUCED PRESSURE BACKFLOW ASSEMBLY - ANODE & TEST INSTALLATION
NOT TO SCALE



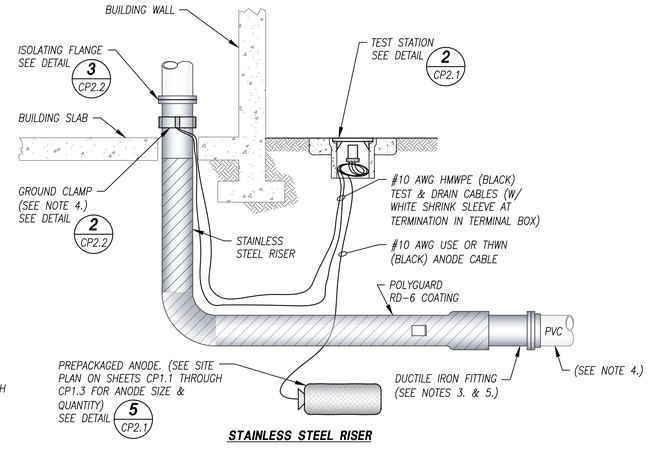
ELEVATION VIEW **PLAN VIEW**

NOTES:
1. IF THE PIPE IS DUCTILE IRON INSTALL BOND CABLES ON JOINTS ACCORDING TO DETAIL 6/CP2.1. INSTALL ADDITIONAL BOND CABLES FOR ANY ADDITIONAL FITTINGS OR MECHANICAL RESTRAINT JOINTS.
2. AS INDICATED IN SITE PLAN, INSTALL BOND CABLES TO NEARBY FITTINGS.
3. COAT ALL BURIED BOLTS & NUTS WITH BITUMASTIC AND ENCASE ALL DUCTILE IRON PIPE & FITTINGS IN POLYETHYLENE PER CATHODIC PROTECTION GENERAL NOTE 2. ON SHEET CP1.0.

2 CP2.0 ATS - FIRE HYDRANT - ANODE & TEST STATION
NOT TO SCALE



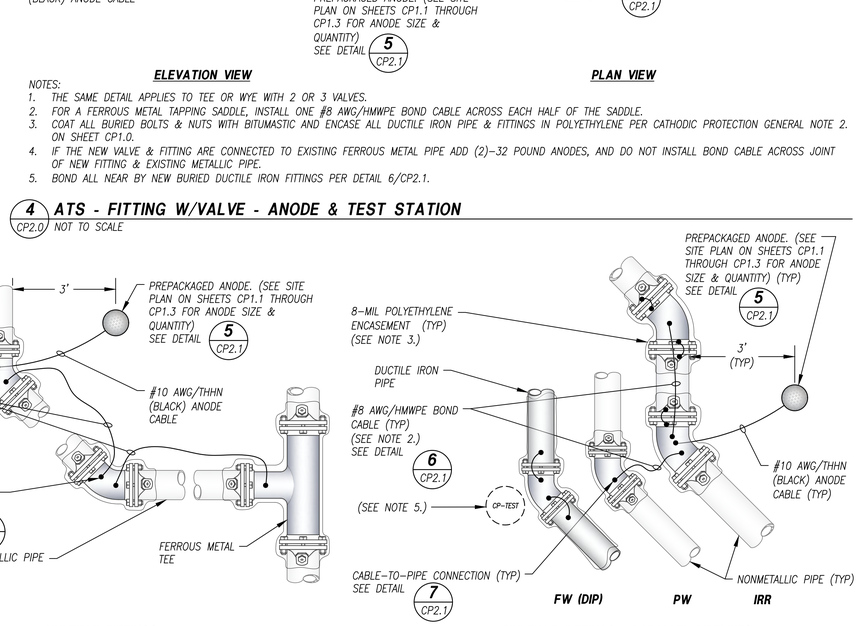
DUCTILE IRON RISER



STAINLESS STEEL RISER

NOTES:
1. MAINTAIN 1-INCH MINIMUM CLEARANCE BETWEEN PIPE AND BUILDING SLAB CONCRETE.
2. IF RESTRAINT RODS ARE INSTALLED ON RISER, INSTALL DIELECTRIC ISOLATING JOINT IN FIRST FLANGE ABOVE RESTRAINT RODS.
3. COAT ALL BURIED BOLTS & NUTS WITH BITUMASTIC AND ENCASE ALL DUCTILE IRON PIPE & FITTINGS IN POLYETHYLENE PER CATHODIC PROTECTION GENERAL NOTE 2. ON SHEET CP1.0. TAPE WRAP STAINLESS STEEL PIPE AS INDICATED.
4. IF CONTINUING PIPE IS DUCTILE IRON, BOND ALL BURIED, NON-WELDED METALLIC PIPE JOINTS PER DETAIL 6/CP2.1. DO NOT INSTALL BOND CABLES ON STAINLESS STEEL PIPE.
5. DO NOT BURY GROUND CLAMP. FOR AN ALTERNATIVE CABLE TO STAINLESS STEEL PIPE CONNECTION SEE DETAIL 1/CP2.2.
6. FOR ANY DUCTILE IRON FITTING ASSOCIATED WITH THE STAINLESS STEEL RISER PROVIDE ONE 17 POUND ANODE PER DETAIL 6/CP2.0.

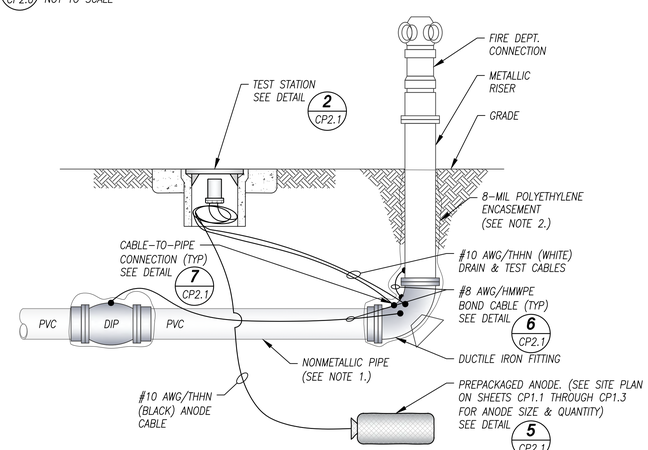
3 CP2.0 ATS - DOMESTIC/FIRE WATER RISER - ANODE TEST STATION
NOT TO SCALE



ELEVATION VIEW **PLAN VIEW**

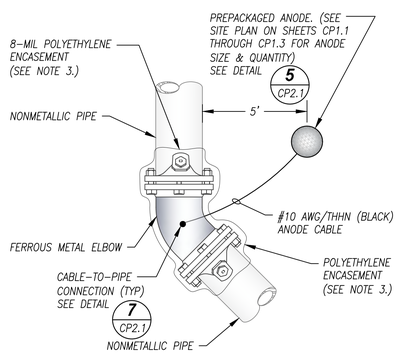
NOTES:
1. THE SAME DETAIL APPLIES TO TEE OR WYE WITH 2 OR 3 VALVES.
2. FOR A FERROUS METAL TAPPING SADDLE, INSTALL ONE #8 AWG/HMWPE BOND CABLE ACROSS EACH HALF OF THE SADDLE.
3. COAT ALL BURIED BOLTS & NUTS WITH BITUMASTIC AND ENCASE ALL DUCTILE IRON PIPE & FITTINGS IN POLYETHYLENE PER CATHODIC PROTECTION GENERAL NOTE 2. ON SHEET CP1.0.
4. IF THE NEW VALVE & FITTING ARE CONNECTED TO EXISTING FERROUS METAL PIPE ADD (2)-32 POUND ANODES, AND DO NOT INSTALL BOND CABLE ACROSS JOINT OF NEW FITTING & EXISTING METALLIC PIPE.
5. BOND ALL NEAR BY NEW BURIED DUCTILE IRON FITTINGS PER DETAIL 6/CP2.1.

4 CP2.0 ATS - FITTING W/VALVE - ANODE & TEST STATION
NOT TO SCALE



NOTES:
1. IF DUCTILE IRON PIPE IS INSTALLED INSTEAD OF PVC PIPE, INSTALL ADDITIONAL BOND CABLES PER DETAIL 6/CP2.1.
3. COAT ALL BURIED BOLTS & NUTS WITH BITUMASTIC AND ENCASE ALL DUCTILE IRON PIPE & FITTINGS IN POLYETHYLENE PER CATHODIC PROTECTION GENERAL NOTE 2. ON SHEET CP1.0.
4. IF STAINLESS STEEL RISER IS UTILIZED, CONTACT PROJECT CORROSION ENGINEER FOR CORROSION CONTROL FOR STAINLESS STEEL PIPE.

5 CP2.0 ATS - FDC - FIRE DEPARTMENT CONNECTION - ANODE & TEST STATION
NOT TO SCALE



NOTES:
1. THIS DETAIL IS TYPICAL OF ELBOWS, REDUCERS & OTHER ISOLATED FITTINGS.
2. NO TEST STATION IS REQUIRED FOR THESE FITTINGS, HOWEVER A RECORD OF ALL INSTALLATIONS SHALL BE PROVIDED TO THE PROJECT ENGINEER.
3. COAT ALL BURIED BOLTS & NUTS WITH BITUMASTIC AND ENCASE ALL DUCTILE IRON PIPE & FITTINGS IN POLYETHYLENE PER CATHODIC PROTECTION GENERAL NOTE 2. ON SHEET CP1.0.

6 CP2.0 FITTING - ANODE INSTALLATION
NOT TO SCALE

MULTIPLE FITTINGS **MULTIPLE FITTINGS - PARALLEL PIPELINES**

NOTES:
1. THIS DETAIL IS TYPICAL OF ELBOWS, REDUCERS & OTHER FITTINGS.
2. THE LENGTH OF THE BOND CABLES BETWEEN FITTINGS SHALL BE OF SUFFICIENT LENGTH TO ALLOW FOR ANY SOIL CONTRACTION OR PIPE MOVEMENT. THE IRR AND PW DUCTILE IRON FITTINGS MAY BE BONDED TOGETHER, AS SHOWN ABOVE. DO NOT BOND THE FW PIPELINE TO THE IRR OR PW PIPELINES.
3. COAT ALL BURIED BOLTS & NUTS WITH BITUMASTIC AND ENCASE ALL DUCTILE IRON PIPE & FITTINGS IN POLYETHYLENE PER CATHODIC PROTECTION GENERAL NOTE 2. ON SHEET CP1.0.
4. IF THIS DETAIL IS COMBINED WITH ANOTHER DETAIL INVOLVING AN ANODE TEST STATION DETAIL, DO NOT CONNECT ANODE DIRECTLY TO FITTING. INSTALL ANODE AS SHOWN IN THE ANODE TEST STATION DETAIL. SEE NOTE 2. ABOVE.
5. INSTALL TEST STATION WERE CALLED OUT ON THE SITE PLANS ON SHEET CP1.1 THROUGH CP1.3. INSTALL TEST STATION DIRECTLY ABOVE DUCTILE IRON PIPE FITTING. IF NO FITTING, THEN INSTALL THE TEST STATION DIRECTLY ABOVE DUCTILE IRON PIPE.

7 CP2.0 MULTIPLE FITTINGS - ANODE INSTALLATION
NOT TO SCALE

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PROJECT NAME

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215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER DARBY HOWARD No. CR 1055 Exp. June 30, 2023 CORROSION CONTROL SPECIALIST STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

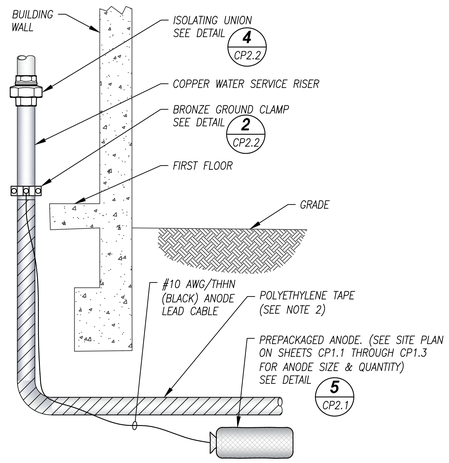
SHEET TITLE

CP SYSTEM DETAILS 1

PROJECT	DRAWN BY
CSM 2101	JAW
SCALE	CHECKED BY
	JDH

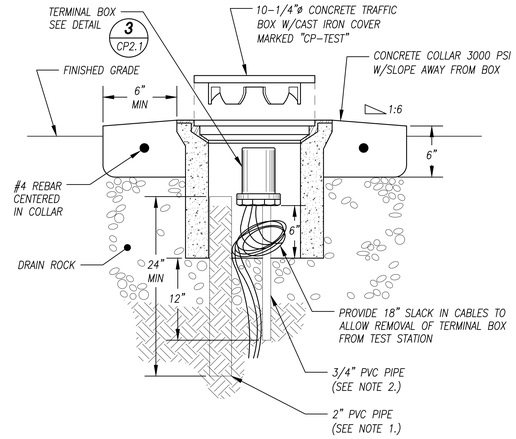
SHEET NUMBER

CP2.0

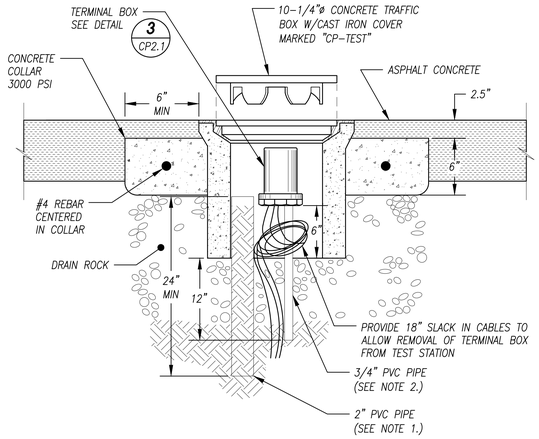


NOTES:
1. INSTALL ONLY ON METALLIC RISER.
2. PRIME AND WRAP BURIED COPPER PIPE, INCLUDING BURIED COPPER OR BRASS RISERS WITH 15 MIL POLYETHYLENE TAPE PER CATHODIC PROTECTION GENERAL NOTE 2. ON SHEET CP1.0.
3. USE BRONZE GROUNDING CLAMP TO ATTACH ANODE WIRE TO PIPE. REMOVE ANY EXISTING COATING AND BURNISH COPPER PIPE WHERE GROUNDING CLAMP IS INSTALLED TO ENSURE ELECTRICAL CONTINUITY.

8 COPPER SERVICE RISER - ANODE INSTALLATION
CP2.0 NOT TO SCALE



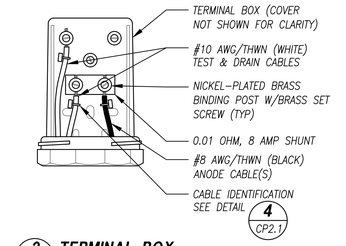
UNPAVED AREA



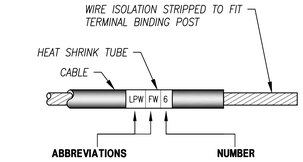
PAVED AREA

NOTES:
1. INSTALL 2" PVC PIPE IN CLEAN NATIVE SOIL. FILL PIPE WITH CLEAN SOIL, FREE FROM ROCKS & DEBRIS.
2. INSTALL 18" LENGTH OF 3/4" PVC PIPE TO ENSURE THAT THE TERMINAL BOX WILL REMAIN IN THE UPRIGHT POSITION. POSITION THE PIPE SO THAT THE TERMINAL BOX WILL BE AS HIGH AS POSSIBLE WITH THE CAST IRON LID STILL CLOSING PROPERLY.

2 TEST STATION INSTALLATION
CP2.1 NOT TO SCALE



3 TERMINAL BOX
CP2.1 NOT TO SCALE



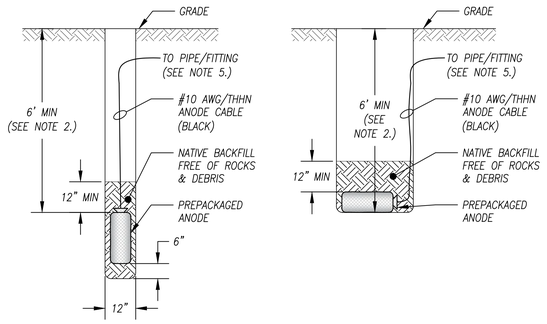
ABBREVIATIONS

AN – ANODE
DR – DRAIN WIRE
FW – FIRE WATER
IRR – IRRIGATION
PW – POTABLE WATER
TT – TEST WIRE

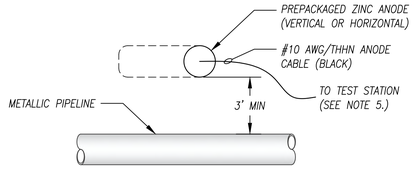
NUMBER

PIPE DIA.(INCHES)
ANODE NUMBER

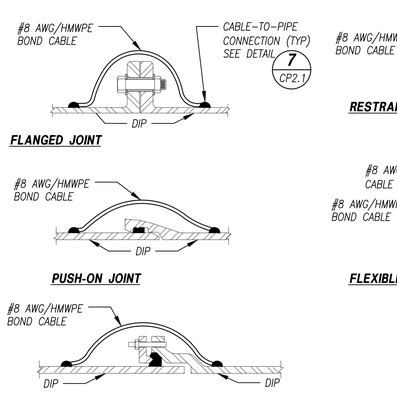
4 CABLE IDENTIFICATION
CP2.1 NOT TO SCALE



VERTICAL INSTALLATION **HORIZONTAL INSTALLATION**



PLAN VIEW



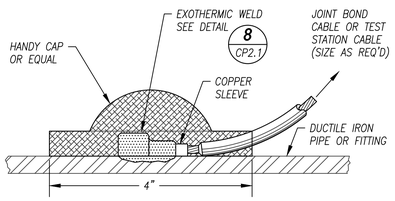
FLANGED JOINT **RESTRAINED COUPLING - DIP-TO-PVC**

PUSH-ON JOINT **FLEXIBLE COUPLING**

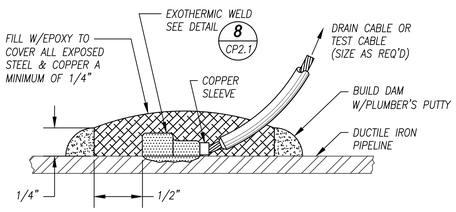
MECHANICAL JOINT

NOTES:
1. INSTALL ANODES 3 FEET OFF THE PIPE/FITTING IN NATIVE SOIL.
2. FOR SACRIFICIAL ANODES PROTECTING DUCTILE IRON VALVES, FITTINGS & RISERS OF C900 PVC PIPELINES, ANODES MAY BE INSTALLED SUCH THAT THE TOP OF THE ANODE IS PLACED BELOW THE BOTTOM OF THE VALVE OR FITTING. FOR DUCTILE IRON PIPELINE INSTALLATIONS, ANODE SHALL BE INSTALLED TO A MINIMUM DEPTH OF 6 FEET AS INDICATED IN THIS DETAIL. A MINIMUM OF A 3 FEET DISTANCE SHALL BE MAINTAINED BETWEEN EACH ANODE AND THE DUCTILE IRON STRUCTURE IT PROTECTS IN ALL CASES.
3. THE ANODES MAY BE INSTALLED HORIZONTALLY OR VERTICALLY UPON DISCRETION OF THE CONTRACTOR.
4. MAINTAIN A MIN. DISTANCE OF 10 FEET BETWEEN ANODES IF MULTIPLE ANODES ARE INSTALLED.
5. CONNECT ANODE CABLE TO TEST STATION OR DIRECTLY TO PIPE OR FITTING AS SHOWN IN THE DRAWINGS.

5 PROFILE - ANODE INSTALLATION
CP2.1 NOT TO SCALE



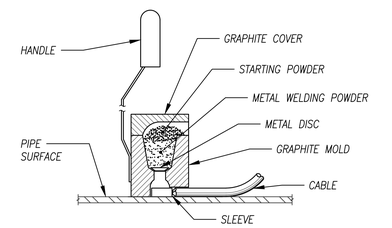
EXOTHERMIC WELD CONNECTION



DUCTILE IRON PIPE

7 CABLE-TO-PIPE CONNECTION
CP2.1 NOT TO SCALE

6 BOND CABLE INSTALLATION
CP2.1 NOT TO SCALE



STEP 1. FILE STRUCTURE CONNECTION AREA TO BARE SHINY METAL AND CLEAN.

STEP 2. STRIP ISOLATION FROM WIRE. ATTACH SLEEVE REQUIRED ON #6 AWG/WIRE OR SMALLER

STEP 3. HOLD MOLD FIRMLY WITH OPENING AWAY FROM OPERATOR AND IGNITE WITH FLINT GUN.

STEP 4. REMOVE SLAG FROM CONNECTION AND PEEN WELD FOR SOUNDNESS.

STEP 5. COVER CONNECTION AND EXPOSED STRUCTURE SURFACE WITH HANDY CAP PER DETAIL 7/CP2.1.

NOTE:
PROCEDURE SHOWN ABOVE IS TO BE USED AS A GENERAL GUIDE ONLY. CONSULT MANUFACTURER'S LITERATURE FOR SPECIFIC INSTALLATION INSTRUCTIONS.

8 EXOTHERMIC WELD
CP2.1 NOT TO SCALE

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PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER DARBY JOHN HOWARD No. CR 1055 Exp. June 30, 2023 CORROSION SPECIALIST STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

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	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

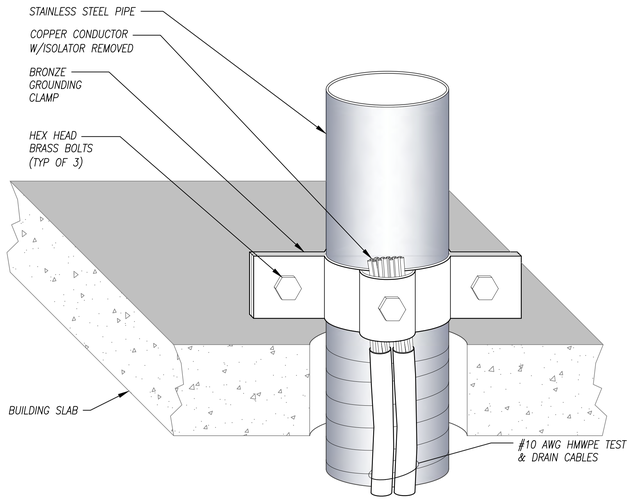
SHEET TITLE

CP SYSTEM DETAILS 2

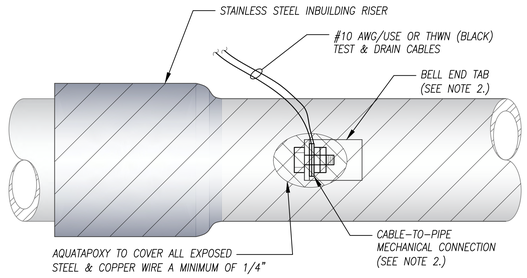
PROJECT	DRAWN BY
CSM 2101	JAW
SCALE	CHECKED BY
	JDH

SHEET NUMBER

CP2.1



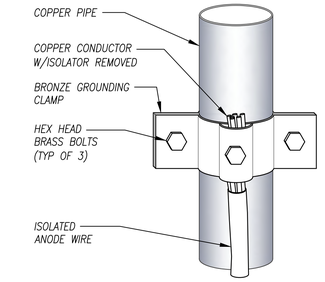
GROUND CLAMP FOR STAINLESS STEEL



MECHANICAL CONNECTION FOR STAINLESS STEEL INBUILDING RISER (WHEN RESTRAINT RODS ARE NOT INSTALLED IN THE BELL END TABS)

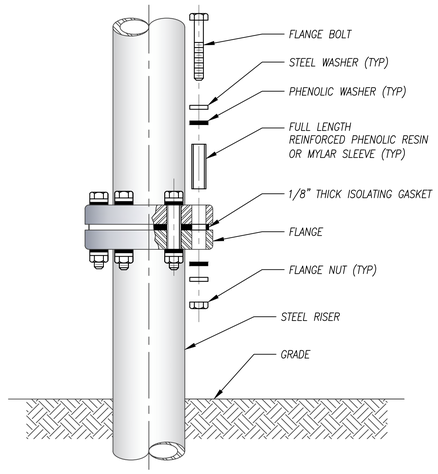
NOTES:
1. CLEAN PIPE WITH A WIRE BRUSH AND STRIP WIRE ISOLATION AT THE GROUNDING CLAMP TO ENSURE ELECTRICAL CONTINUITY.
2. DO NOT USE EXOTHERMIC WELDS ON SETTLEMENT JOINTS OR STAINLESS STEEL OR COPPER PIPING.
3. INSTALL RING CONNECTORS ON THE END OF EACH CABLE. MAKE CONNECTIONS TO STAINLESS BY FASTENING THE RING CONNECTORS TO THE BELL END TAB BY MEANS OF A STAINLESS STEEL BOLT, WASHER AND DOUBLE NUTS. ALL EXPOSED SURFACES OF COPPER, STAINLESS STEEL BOLT AND SURROUNDING SURFACE SHALL BE CLEANED OF CONTAMINANTS AND COATED WITH AQUATAPOXY® A-6, MANUFACTURED BY COHESANT MATERIALS OR PROPOXY® 20, MANUFACTURED BY HERCULES.
4. LEAVE SUFFICIENT SLACK IN CABLE AT CONNECTION TO PREVENT BREAKAGE OF CONNECTION DURING BACKFILL.

1 CABLE-TO-STAINLESS STEEL PIPE CONNECTION
CP2.2 NOT TO SCALE



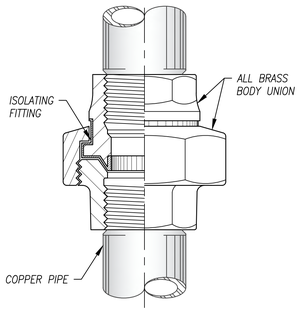
NOTES:
1. CLEAN PIPE WITH A WIRE BRUSH AND STRIP WIRE ISOLATION AT THE GROUNDING CLAMP TO ENSURE ELECTRICAL CONTINUITY.
2. ALL BOLTS SHALL BE BRASS WITH HEX HEADS.

2 GROUNDING CLAMP CONNECTION
CP2.2 NOT TO SCALE

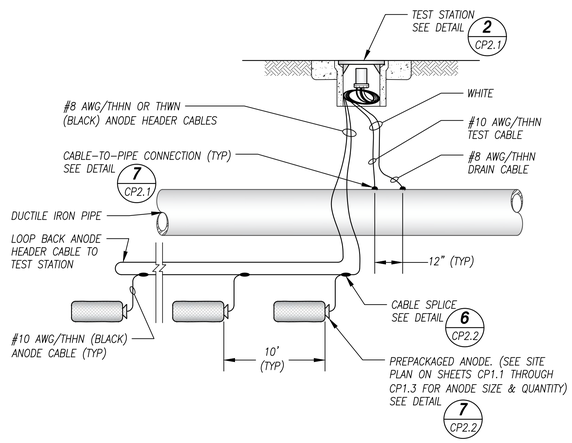


NOTES:
1. THE ISOLATING FLANGE KIT SHALL BE FOR WATER SERVICE, SUITABLE FOR WET & DRY LOCATIONS, AND BE OF SAME PRESSURE RATING AS THE FLANGE.
2. THE ALLOY OF THE STEEL WASHERS SHALL BE THE SAME AS IS SPECIFIED FOR THE FLANGE BOLTS.
3. SEE CATHODIC PROTECTION GENERAL NOTE 4. ON SHEET CP-1.

3 ISOLATING FLANGE
CP2.2 NOT TO SCALE

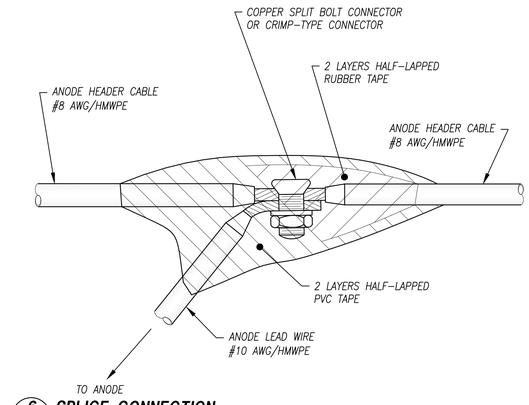


4 ISOLATING UNION
CP2.2 NOT TO SCALE

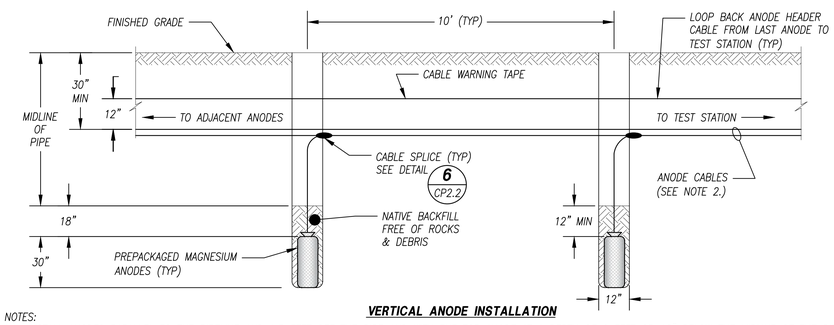


NOTES:
1. INSTALL BOND CABLES ON ALL BURIED JOINTS (EXCEPT ISOLATING JOINTS) PER TO DETAIL 6/CP2.1.
2. COAT ALL BURIED BOLTS & NUTS WITH BITUMASTIC, AND ENCASE ALL DUCTILE IRON PIPE AND FITTINGS IN POLYETHYLENE PER CATHODIC PROTECTION GENERAL NOTE 2. ON SHEET CP1.0.
3. IF ONLY ONE ANODE IS INSTALLED OMIT ANODE HEADER CABLE AND ROUTE ANODE CABLE TO TERMINAL BOX.

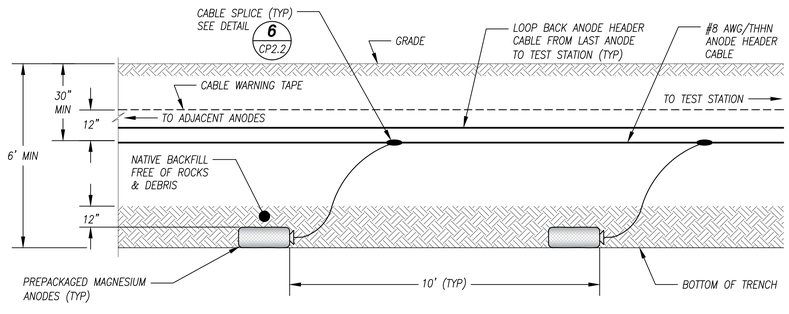
5 ATS - ANODE TEST STATION
CP2.2 NOT TO SCALE



6 SPLICE CONNECTION
CP2.2 NOT TO SCALE



VERTICAL ANODE INSTALLATION



HORIZONTAL ANODE INSTALLATION

NOTES:
1. INSTALL ANODES PARALLEL TO THE PIPELINE AND 1.5 FEET OFF THE PIPE AND WITH THE TOP ANODE AT A DEPTH OF 6 FEET OR 18" BELOW THE MIDLINE OF THE PIPE – WHICHEVER IS DEEPER (FOR VERTICAL INSTALLATION) OR 1.5 FEET OFF THE PIPE AND 6 FEET DEEP OR 24" BELOW THE MIDLINE OF THE PIPE – WHICHEVER IS DEEPER (FOR HORIZONTAL INSTALLATION).
2. ROUTE ANODE CABLES ALONG WITH TEST & DRAIN CABLES IN PVC CONDUIT TO TEST STATION.
3. THE ANODES MAY BE INSTALLED HORIZONTALLY OR VERTICALLY UPON DISCRETION OF THE CONTRACTOR.

7 PROFILE - VERTICAL ANODE INSTALLATION
CP2.2 NOT TO SCALE

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OWNER/CLIENT

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CONSULTANTS

jdh corrosion consultants, inc.
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Concord, CA 94520
(925)927-6630
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PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED PROFESSIONAL ENGINEER JAMES WILLIAM WHITLOW No. CR 10552 EXP. 06-30-2024 CORROSION CIVIL STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MADER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

CP SYSTEM DETAILS 3

PROJECT	DRAWN BY
CSM 2101	JAW
SCALE	CHECKED BY
	JDH

SHEET NUMBER

CP2.2

CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE	DETAIL	MANUFACTURER	PRODUCT	NOTES/DESCRIPTION
P1		ASPHALT PAVING –PEDESTRIAN	1/L6–100	EDGE RESTRAINT: PERMALOC	ASPHALTEDGE ALUMINUM ASPHALT RESTRAINT	ASPHALTEDGE DEPTH: 2", COLOR: BLACK DURAFLEX
P2		ASPHALT PAVING –VEHICULAR	3/L6–100	EDGE RESTRAINT: PERMALOC	ASPHALTEDGE ALUMINUM ASPHALT RESTRAINT	ASPHALTEDGE DEPTH: 3", COLOR: BLACK DURAFLEX
P3		ASPHALT PAVING –VEHICULAR AT TREE ZONE	2/L6–100	EDGE RESTRAINT: PERMALOC	ASPHALTEDGE ALUMINUM ASPHALT RESTRAINT	ASPHALTEDGE DEPTH: 3", COLOR: BLACK DURAFLEX GEOTEXTILE: MIRAFI HP570
P4		DETECTABLE WARNING STRIPS	SCD	TEKWAY	STANDARD ADA DOME TILES – 30" X 36"	COLOR: WHITE
P5		STABILIZED CRUSHED STONE PAVING	1/L6–101	TMT ENTERPRISES	CALIFORNIA GOLD, WITH PHP STABILIZER	INSTALL PER MANUFACTURERS RECOMMENDATIONS. PROVIDE ASPHALT EDGE 3", COLOR: BLACK DURAFLEX
P6		TENNIS COURT PAVING AND SURFACING	5/L6–102	LAYKOLD	SURFACE: CUSHION PLUS SYSTEM STRIPING: LINE PRIMER & TEXTURED LINE PAINT	COLORS AND STRIPING PER PLAN ENLARGEMENT PLAN
P7		BASKETBALL COURT PAVING AND SURFACING	5/L6–102	LAYKOLD	SURFACE: CUSHION PLUS SYSTEM STRIPING: LINE PRIMER & TEXTURED LINE PAINT	COLORS AND STRIPING PER PLAN ENLARGEMENT PLAN
P8		PUMP TRACK	--	--	--	THE PUMP TRACK IS N.I.C. IT WILL BE COMPLETED AS PART OF A SEPARATE DESIGN–BUILD CONTRACT. REFER TO SPECIFICATIONS SPECIAL PROVISIONS SECTION FOR COORDINATION REQUIREMENTS
P9		VOLLEYBALL SAND	1/L6–102	G3 MINERALS	PURE SILICA, WASHED FREE OF ALL ORGANICS	EDGE RESTRAINT: 2X12 REDWOOD HEADER; CONSTRUCTION GRADE OR BETTER; SECURE WITH 2X2 REDWOOD STAKE, 24" LONG MINIMUM, PLACE STAKES 4'O.C. MAX AND AT ALL SPLICE LOCATIONS; INCLUDE (2) STAKES AT CORNER JOINTS, PLASTIC VOLLEYBALL COURT EDGE GUARD IN COLOR TBD
P10		CONCRETE CURB	2/L6–203	--	--	COLOR: NATURAL GRAY
P11		SYNTHETIC TURF	2/L6–103	TURF: FIELDTURF SHOCKPAD: SHOCKBASE INFILL: ORGANIC CORK AND SAND	TURF: VERTEXCORE DUAL FIBER SHOCKPAD: SHOCKBASE PRO INFILL: ORGANIC CORK/SAND	THE SYNTHETIC TURF SHALL BE PROVIDED AND INSTALLED BY A VENDOR THROUGH A CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS) PROCUREMENT PROCESS. REFER TO THE CMAS NOTES FOR MORE INFORMATION. MARKING AND SEAM DETAILS TO BE PROVIDED BY MANUFACTURER AND INSTALLER
P12		FLAGSTONE PAVING	3,4/L6–101	LYNSGO	A. SILVER QUARTZITE FLAGS B. GOLD QUARTZITE FLAGS	PROVIDE SAMPLES FOR REVIEW AND APPROVAL ACCORDING TO SPECIFICATIONS SIZES: PER DETAILS SETTING BED: PER DETAILS AND SPECIFICATIONS, JOINT SAND PER SPECIFICATIONS. MORTAR SETTING AT PLANTING: PER DETAILS AND SPECIFICATIONS.
P13		GRAVEL MULCH	--	LYNGSO	3/8" CRUSHED ROSE GOLD	PROFILE: 3"
P14		ATHLETIC FIELD CONC. PERIMETER CURB	3/L6–103	--	--	COLOR: NATURAL GRAY

SITE ELEMENTS

TAG	SYMBOL	TYPE	DETAIL	MANUFACTURER	PRODUCT	NOTES/DESCRIPTION
S1		SPECTATOR SEATING	2/L6–203	STREETLIFE	HEAVY – HEAVY MALAPARTE, CUSTOM LENGTHS PER PLAN	34" HEIGHT, LENGTH PER PLAN, FSC HARDWOOD, GALVANIZED STEEL SUPPORTS.
S2		DRINKING FOUNTAIN	1/L6–201	MOST DEPENDABLE FOUNTAINS (MDF)	MODEL 10145SMSS WITH PET BOWL	COLOR: GREEN; EACH FOUNTAIN TO INCLUDE DOMESTIC WATER AND DRYWELL CONNECTION (SCD)
S3		WASTE RECEPTACLES	3/L6–201	BEAR SAVER	HA2–PX	DOUBLE TRASH/RECYCLING LABELS, COLOR: FIR GREEN, S.S. PADLOCK HASP
S4		BENCH	1/L6–202	STREETLIFE	ROUGH & READY L6 BENCHES	LINKED LENGTHS PER PLAN, HIGH BACKREST, GALV. STEEL BASE, ACCOYA WOOD, CENTRAL ARM RESTS ONLY.
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES	2/L6–222	LOLL DESIGNS	LOLLYGAGGER LOUNGE CHAIR	QTY: 30, COLOR ORANGE, EACH SEATING AREA TO INCLUDE RECLAIMED LOG TABLE TO BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR
S6		BIKE RACKS	4/L6–201	STREETLIFE	SOLID BIKE PARKING	FINISH: ACCOYA WOOD WITH GALVANIZED STEEL.
S7		VEHICULAR CHAINLINK GATE	3/L6–200	--	--	20' WIDE VEHICULAR ENTRY GATE AT EXISTING FENCE; CHAIN LINK TO MATCH EXISTING FENCING
S8		WIFI POLE	2/L6–203	POLE: STRUCTURA	BOL–T–16–70–55–S1–C10–STD	COORDINATE CONDUIT CONNECTIONS WITH POST FOOTINGS. WIFI SYSTEMS AND FIBER ARE NOT IN CONTRACT
S9		REMOVABLE BOLLARDS	1/L6–200	STREETLIFE	ROUGH & READY BOLLARD 30" TALL BOLR (REMOVABLE)	ACCOYA WOOD WITH GALVANIZED STEEL
S10		PARKING LOT BOULDERS	2/L6–200	--	--	REPLACE EXISTING CONCRETE BOLLARDS WITH 2–3' SONOMA MOSS BOULDERS AT APPX 7' O.C. SOURCE: AMERICAN SOIL & STONE.
S11		UTILITY FENCE AT RESTROOM B	1/L6–206	WESTERN CEDAR FENCE BUSTERS	HAND SP BOARDS,	NOT USED - DEFERRED TO FUTURE PHASE SIDE" HAND SPLIT GRAPESTAKE CEDAR FENCE BOARDS
S12		ELECTRICAL EQUIPMENT ENCLOSURE	1/L6–205	WESTERN CEDAR FENCE BUSTERS	HAND SPLIT CEDAR FENCE BOARDS, STRAIGHT EDGE	RUSTIC "STRAIGHT SIDE" HAND SPLIT GRAPESTAKE CEDAR FENCE BOARDS
S13		PUMP TRACK FENCE	1/L6–206	WESTERN CEDAR FENCE BUSTERS	HAND SPLIT CEDAR FENCE BOARDS, STRAIGHT EDGE	RUSTIC "STRAIGHT SIDE" HAND SPLIT GRAPESTAKE CEDAR FENCE BOARDS
S14		TREE BRANCH BRACES	--	--	--	1/4" GALVANIZED PLATE COLLAR FORMED TO FIT BRANCH, FILLET WELDED TO 3 GUAGE 3" DIA. GALV. PIPE. MIN EMBED 36". FOOTING IS 24" DIA X 42" DEEP W/ #4 REBAR CAGE @ 12" O.C.E.W. HEIGHTS VARY. CONTRACTOR TO FIELD LOCATE AND V.I.F. UNDER SUPERVISION OF COUNTY ARBORIST. ASSUME QUANTITY OF (14).
S15		BIKE REPAIR STATION	3/L6–203	DERO	FIXIT PLUS W/ AIR KIT PRIME	1–BIKE REPAIR STAND W/ FULL HAND TOOL & AIR PUMP KIT. GALVANIZED FINISH W/ CANE STOP. INSTALLATION HARDWARE SUPPLIED BY MANUF.

PICNIC AREAS

TAG	SYMBOL	TYPE	DETAIL	MANUFACTURER	PRODUCT	NOTES/DESCRIPTION
A1		OAK PICNIC AREA STRUCTURES	--	--	--	PROTECT IN PLACE
A2		PICNIC TABLES (OAK PICNIC AREA)	1/ L6–221	--	--	COUNTY WILL PROCURE ALL GALVANIZED LEG+TABLE IRONS & FSC CERTIFIED REDWOOD LUMBER TABLE TOPS + SEATS. (1) ACCESSIBLE + (1) NON–ACCESSIBLE TABLE TO BE PLACE IN EACH RESERVABLE PICNIC AREA, MIN. CONTRACTOR TO INSTALL ALL COUNTY PROCURED MATERIAL, INCLUSIVE OF FINISHING AND INSTALL OF LUMBER.
A3		KIDS PICNIC TABLE	1/ L6–222	--	--	COUNTY WILL PROCURE ALL GALVANIZED LEG+TABLE IRONS & FSC CERTIFIED REDWOOD LUMBER TABLE TOPS + SEATS. (1) ACCESSIBLE + (1) NON–ACCESSIBLE TABLE TO BE PLACE IN EACH RESERVABLE PICNIC AREA, MIN. CONTRACTOR TO INSTALL ALL COUNTY PROCURED MATERIAL, INCLUSIVE OF FINISHING AND INSTALL OF LUMBER.
A4		STD. 8' PICNIC TABLE	1/ L6–221	--	--	COUNTY WILL PROCURE ALL GALVANIZED LEG+TABLE IRONS & FSC CERTIFIED REDWOOD LUMBER TABLE TOPS + SEATS. (1) ACCESSIBLE + (1) NON–ACCESSIBLE TABLE TO BE PLACE IN EACH RESERVABLE PICNIC AREA, MIN. CONTRACTOR TO INSTALL ALL COUNTY PROCURED MATERIAL, INCLUSIVE OF FINISHING AND INSTALL OF LUMBER.
A5		STD. 10' PICNIC TABLE	1/ L6–221	--	--	COUNTY WILL PROCURE ALL GALVANIZED LEG+TABLE IRONS & FSC CERTIFIED REDWOOD LUMBER TABLE TOPS + SEATS. (1) ACCESSIBLE + (1) NON–ACCESSIBLE TABLE TO BE PLACE IN EACH RESERVABLE PICNIC AREA, MIN. CONTRACTOR TO INSTALL ALL COUNTY PROCURED MATERIAL, INCLUSIVE OF FINISHING AND INSTALL OF LUMBER.
A6		NEW PEDESTAL GRILLS	2/L6–201	PILOT ROCK	ASW–20 B2 ACCESSIBLE GRILL	COLOR: STANDARD BLACK ENAMEL
A7		LARGE COUNTERTOP GRILLS	L6–223	OUTDOOR CREATIONS INC.	3001AG ADJUSTABLE GRILL	GRILL INSERT ONLY, FULL CONCRETE HOUSING NOT NEEDED
A8		SMALL COUNTERTOP GRILLS	L6–223	PILOT ROCK	Q–24–B2	GRILL INSERT ONLY, NO POST NEEDED
A9		SINKS	L6–223	SINK: ELKAY FAUCET: KRAUS	SINK: PLAFRU281610 FAUCET: KPF–1610MB–KAG–1MB	SINK: 30.5" X 18.5" X 10" SINGLE BOWL UNDERMOUNT OUTDOOR SINK FAUCET: SINGLE–HOLE, DECK–MOUNTED MANUAL SINK FAUCET, MATTE BLACK
A10		GRILL COUNTERS	L6–223–28			COUNTERTOP SURFACE: COLDSPRING ACADEMY BLACK W/ DIAMOND 8 FINISH; COUNTERTOP SIDES & VERTICAL FACES: COLDSPRING ACADEMY BLACK W/ THERMAL FINISH. WALLS: SEDIMENTARY CONCRETE W/ SS ACCESS DOORS
A11		WOOD COUNTERS	2/L6–222	POWER: B–K LIGHTING	POWER: C1203–08	COUNTY WILL PROCURE ALL GALVANIZED LEG+TABLE IRONS & FSC CERTIFIED REDWOOD LUMBER TABLE TOPS. CONTRACTOR TO INSTALL ALL COUNTY PROCURED MATERIAL, INCLUSIVE OF FINISHING AND INSTALL OF LUMBER & (1) POWER RECEPTACLE WITH IN–USE COVER AND TAMPERPROOF SCREW PER TABLE. POWER RECEPTACLE MANUF: BK LIGHTING; PRODUCT: CUS–1203–01 W/OPTION A RECEPTACLE; FINISH: BZP SATIN BRONZE
A12		DUMPSTERS AND ENCLOSURES	1/L6–204	--	--	DUMPSTERS PROVIDED BY OWNER, SEE DETAIL FOR ENCLOSURE DESIGN.
A13		PINATA HANGERS (N.I.C)		--	--	TO BE COMPLETED AS PART OF FUTURE PHASE

SPORTS COURT/FIELD ELEMENTS

TAG	SYMBOL	TYPE	DETAIL	MANUFACTURER	PRODUCT	NOTES/DESCRIPTION
F1		BASKETBALL RIM, BACKBOARD, POLE AND NYLON NET	2/L6–212	TRUE BOUNCE	XL7042; PA666; RB1000	FREE–STANDING BASKETBALL HOOP WITH NYLON NET BACKBOARD: RECREATIONAL XL SERIES OUTDOOR CLEAR PERFORATED POLYCARBONATE WITH RED SHOT BLOCK AND WHITE PERIMETER POLE: (2) TRUE FIX 6" SQUARE POLE, COLOR BLACK
F2		TENNIS COURT FENCE	5/L6–211	--	--	POSTS: 4"X4"X10' CHAINLINK POSTS @ 8'–0" MAX OC & ALL CORNERS. FENCING: BLACK VINYL COATED 1" SQ. CHAINLINK FENCE
F3		TENNIS COURT NET	3,4/L6–211	ANTHEM SPORTS	FIRST TEAM SENTRY IN–GROUND COMBO PICKLEBALL/TENNIS SYSTEM	INCLUDE NET ANCHOR
F4		VOLLEYBALL NET, POLE & RATCHET, J–BOLT, AND ANCHOR	2/L6–213 & 5/L6–211	SPORTS IMPORTS	POLE & RATCHET: SENOH DE5010 W/ HDNR–B NET RATCHET J BOLT: SVJ–J BOLT ANCHOR: SVA–SAND VOLLEYBALL ANCHOR	SAVE AND STORE EXISTING VOLLEYBALL COURT NETS; REINSTALL ON NEW POSTS POSTS: PORTER 309–1 POWR SAND OUTDOOR VOLLEYBALL PACKAGE W/ PORTER SAND GROUND SLEEVES
F5		STORAGE SHED	--	KETER	ARTISAN 9X7 STORAGE SHED– GREY	PROVIDE 4" DEEP CONCRETE PAD SET +1" FG, #4 REBAR @ 16" OC BOTH WAYS, 3" CLR FROM OUTSIDE EDGES, TYP. OVER COMPACTED SUBGRADE.
F6		S12 SOCCER GOALS	--	FIRST TEAM	24'X8' WORLD CLASS 40 ELITE PORTABLE SOCCER GOALS	TO BE PURCHASED DIRECTLY BY CLIENT GROUP, N.I.C.

RESERVABLE PICNIC AREA (R.P.A.) KEY

AREA KEY	CAPACITY	ACCESSIBLE TABLES	STANDARD TABLES	COUNTERS	GRILLS	NOTES
OAK PICNIC AREA	200	6	18	(1) MASONRY (4) WOOD COUNTERS	(2) LARGE ADJUSTABLE (4) LARGE ACCESSIBLE	EXISTING TABLE ACCESSIBILITY TO BE VERIFIED IN– FIELD; INCLUDES (2) SINKS
BAY R.P.A.	150	6	12	(1) MASONRY (3) WOOD COUNTERS	(2) LARGE ADJUSTABLE (2) LARGE ACCESSIBLE	INCLUDES (1) SINK, (7) ADIRONDACK CHAIRS
MAPLE R.P.A.	100	3	8	(1) MASONRY (2) WOOD COUNTERS	(2) LARGE ADJUSTABLE (1) LARGE ACCESSIBLE	INCLUDES (1) SINK, (3) ADIRONDACK CHAIRS
MADRONE R.P.A.	100	3	9	(1) MASONRY (3) WOOD COUNTERS	(2) LARGE ADJUSTABLE (1) LARGE ACCESSIBLE	INCLUDES (1) SINK, (6) ADIRONDACK CHAIRS
FIR R.P.A.	50	2	4	(1) MASONRY (2) WOOD COUNTERS	(1) LARGE ADJUSTABLE (1) LARGE ACCESSIBLE	
REDWOOD R.P.A.	50	2	4	(1) MASONRY (2) WOOD COUNTERS	(1) LARGE ADJUSTABLE (1) LARGE ACCESSIBLE	INCLUDES (3) ADIRONDACK CHAIRS
PINE R.P.A.	40	2	4	(1) MASONRY (2) WOOD COUNTERS	(1) LARGE ADJUSTABLE (1) LARGE ACCESSIBLE	INCLUDES (3) ADIRONDACK CHAIRS
MANZANITA R.P.A.	TO BE REFURBISHED IN PHASE 3					

DROP-IN PICNIC AREA KEY

AREA KEY	CAPACITY	ACCESSIBLE TABLES	STANDARD TABLES	GRILLS	NOTES
D1	20	1	1	(1) SMALL GRILL	--
D2	20	1	1	(1) SMALL GRILL	--
D3	20	1	1	(1) SMALL GRILL	--
D4	20	0	2	(1) SMALL GRILL	--
D5	20	0	2	(1) SMALL GRILL	--
D6	20	1	1	(1) SMALL GRILL	--
D7	20	0	2	(1) SMALL GRILL	--
D8	20	1	1	(1) SMALL GRILL	--
D9	20	1	1	(1) SMALL GRILL	--
D10	20	0	2	(1) SMALL GRILL	--
D11	20	0	2	(1) SMALL GRILL	--
D12	20	1	1	(1) SMALL GRILL	--
D13	20	1	1	(1) SMALL GRILL	--
D14	20	0	2	(1) SMALL GRILL	--
D15	20	1	1	(1) SMALL GRILL	--
D16	20	0	2	(1) SMALL GRILL	--
D17	20	1	1	(1) SMALL GRILL	--
D18	20	1	1	(1) SMALL GRILL	--
D19	20	1	1	(1) SMALL GRILL	--
D20	20	1	1	(1) SMALL GRILL	--

GENERAL NOTES

1. SEE CIVIL DRAWINGS FOR PARKING LOT PAVING/STRIPING
2. EXISTING PAVING/STRUCTURES NOT NOTED FOR DEMOLITION TO REMAIN PROTECTED DURING CONSTRUCTION
3. ALL PRODUCTS SPECIFIED BY SPECIFIC PRODUCT OR MANUFACTURER MAY BE SUBSTITUTED FOR APPROVED EQUAL, PENDING CONFORMANCE TO SPECIFICATIONS AND LANDSCAPE ARCHITECT REVIEW AND APPROVAL.
4. REFER TO L1–600 SERIES UNDERSTORY PLANTING PLANS FOR CLEARING AND GRUBBING REQUIRED FOR LANDSCAPE IMPROVEMENTS.
5. EXISTING AGGREGATE BASE MATERIAL SHALL BE SALVAGED AND STOCKPILED FOR REUSE PENDING TESTING, REVIEW, AND APPROVAL BY THE GEOTECHNICAL ENGINEER. CONTRACTOR SHALL PROVIDE ALL AGGREGATE BASE REQUIRED PER PLANS AND DETAILS, WHETHER REUSED OR IMPORTED.
6. REFER TO L1–300 SERIES GRADING AND DRAINAGE PLANS FOR EARTHWORK NOTES.
7. ALL SIGNAGE TO BE PROVIDED BY OWNER.

SYNTHETIC TURF CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS) PROCUREMENT NOTES:

1. THE SYNTHETIC TURF FOR THE SMALL MULTIUSE FIELD AND THE VOLLEYBALL SEATING AREA SHALL BE PROVIDED AND INSTALLED BY A VENDOR THROUGH A CALIFORNIA MULTIPLE AWARD SCHEDULE (CMAS) PROCUREMENT PROCESS.
2. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE COUNTY CONSTRUCTION MANAGEMENT TEAM AND THE VENDOR TO COORDINATE SITE PREPARATION AND SCHEDULING OF THE WORK.
3. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING SITE PREPARATION, GRADING, AND DRAINAGE SYSTEMS IN ADVANCE OF THE SYNTHETIC TURF INSTALLATION:
   - A. DEMOLITION AND REMOVAL AND CLEARING AND GRUBBING OF THE FIELD AREA
   - B. INSTALLATION OF UTILITIES
   - C. ROUGH GRADING, SUBGRADE PREPARATION, AND FINE GRADING OF FIELD SUBGRADES
   - D. INSTALLATION OF THE CONCRETE PERIMETER CURB (P10)
   - C. INSTALLATION OF IRRIGATION SYSTEM INCLUDING ROTORS WITHIN FIELD TURF BASED ON COORDINATION WITH SYNTHETIC TURF VENDOR
   - D. TOPSOIL PLACEMENT AND TRANSITION GRADING FROM CONCRETE CURB TO ADJACENT GRADE ACCORDING TO GRADING PLANS.
   - E. INSTALLATION OF VOLLEYBALL COURT EDGING
4. THE CMAS VENDOR SHALL PROVIDE AND INSTALL THE FOLLOWING
   - A. HDPE HEADER PER DETAIL
   - B. GEOTEXTILE FABRIC
   - C. FIELD UNDERDRAINS
   - B. INSTALLATION OF THE PERIMETER DRAINAGE TRENCH AND PIPE WITH BUBBLE UPS
   - C. CLASS 2 PERMEABLE BASE PER DETAILS
   - D. SHOCKPAD
   - E. FIELD TURF
   - F. ORGANIC CORK/SAND INFILL
   - G. ALL MARKINGS AND SEAMS
5. THE RELEVANT SPECIFICATIONS SHALL APPLY TO BOTH SCOPES OF WORK.

REUSE OF EXISTING AGGREGATE BASE MATERIAL

1. EXISTING AGGREGATE BASE ROCK MAY BE STOCKPILED AND REUSED PENDING FIELD REVIEW AND TESTING AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

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415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
STEPHEN M. QUILLMAN
No. 5132
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

LANDSCAPE MATERIALS SCHEDULE

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-100



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
P3		ASPHALT PAVING –VEHICULAR AT TREE ZONE
P4		DETECTABLE WARNING STRIPS
P5		STABILIZED CRUSHED STONE PAVING
P6		TENNIS COURT PAVING AND SURFACING
P7		BASKETBALL COURT PAVING AND SURFACING
P8		PUMP TRACK
P9		VOLLEYBALL SAND
P10		CONCRETE CURB
P11		SYNTHETIC TURF
P12		FLAGSTONE PAVING
P13		GRAVEL MULCH
P14		ATHLETIC FIELD CONC. PERIMETER CURB

SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
S2		DRINKING FOUNTAIN
S3		WASTE RECEPTACLES
S4		BENCH
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES
S6		BIKE RACKS
S7		VEHICULAR CHAINLINK GATE
S8		WIFI POLE
S9		REMOVABLE BOLLARDS
S10		PARKING LOT BOULDERS
S11		UTILITY FENCE AT RESTROOM B
S12		ELECTRICAL EQUIPMENT ENCLOSURE
S13		PUMP TRACK FENCE
S14		TREE BRANCH BRACES
S15		BIKE REPAIR STATION

PICNIC AREAS

TAG	SYMBOL	TYPE
A1		OAK PICNIC AREA STRUCTURES
A2		PICNIC TABLES (OAK PICNIC AREA)
A3		KIDS PICNIC TABLE
A4		STD. 8' PICNIC TABLE
A5		STD. 10' PICNIC TABLE
A6		NEW PEDESTAL GRILLS
A7		LARGE COUNTERTOP GRILLS
A8		SMALL COUNTERTOP GRILLS
A9		SINKS
A10		GRILL COUNTERS
A11		WOOD COUNTERS
A12		DUMPSTERS AND ENCLOSURES
A13		PINATA HANGERS (N.I.C)

SPORTS COURT/FIELD ELEMENTS

TAG	SYMBOL	TYPE
F1		BASKETBALL RIM, BACKBOARD, POLE AND NYLON NET
F2		TENNIS COURT FENCE
F3		TENNIS COURT NET
F4		VOLLEYBALL NET, POLE & RATCHET, J-BOLT, AND ANCHOR
F5		STORAGE SHED
F6		S12 SOCCER GOALS

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
JOSEPH M. GUILFOYLE No. 5854
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

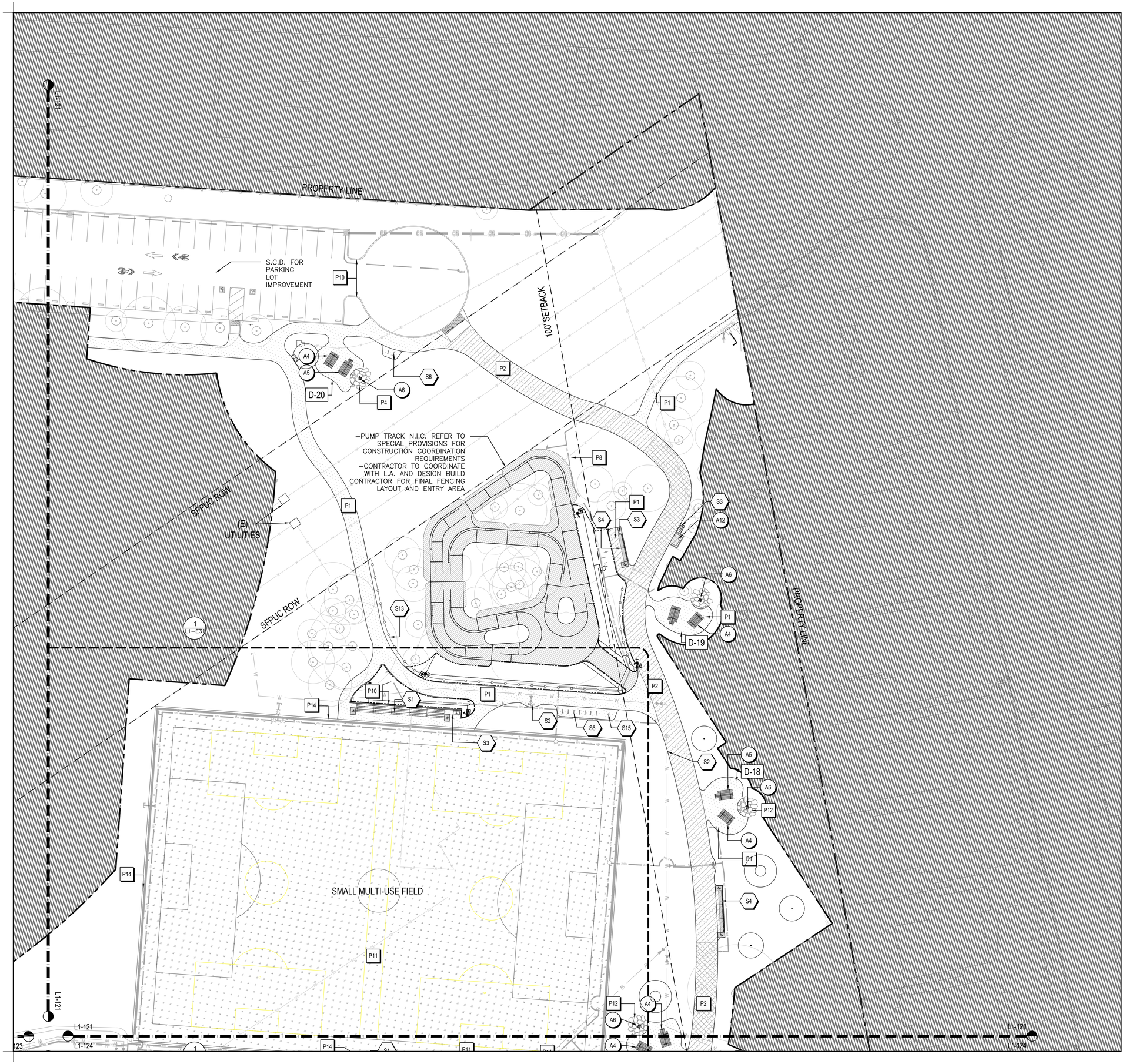
SHEET TITLE

LANDSCAPE MATERIALS PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-110



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
P3		ASPHALT PAVING –VEHICULAR AT TREE ZONE
P4		DETECTABLE WARNING STRIPS
P5		STABILIZED CRUSHED STONE PAVING
P6		TENNIS COURT PAVING AND SURFACING
P7		BASKETBALL COURT PAVING AND SURFACING
P8		PUMP TRACK
P9		VOLLEYBALL SAND
P10		CONCRETE CURB
P11		SYNTHETIC TURF
P12		FLAGSTONE PAVING
P13		GRAVEL MULCH
P14		ATHLETIC FIELD CONC. PERIMETER CURB

SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
S2		DRINKING FOUNTAIN
S3		WASTE RECEPTACLES
S4		BENCH
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES
S6	–	BIKE RACKS
S7		VEHICULAR CHAINLINK GATE
S8	•	WIFI POLE
S9		REMOVABLE BOLLARDS
S10		PARKING LOT BOULDERS
S11		UTILITY FENCE AT RESTROOM 'B'
S12		ELECTRICAL EQUIPMENT ENCLOSURE
S13		PUMP TRACK FENCE
S14		TREE BRANCH BRACES
S15		BIKE REPAIR STATION

PICNIC AREAS

TAG	SYMBOL	TYPE
A1		OAK PICNIC AREA STRUCTURES
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A3		KIDS PICNIC TABLE
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A9		SINKS
A10		GRILL COUNTERS
A11		WOOD COUNTERS
A12		DUMPSTERS AND ENCLOSURES
A13		PINATA HANGERS (N.I.C)

SPORTS COURT/FIELD ELEMENTS

TAG	SYMBOL	TYPE
F1		BASKETBALL RIM, BACKBOARD, POLE AND NYLON NET
F2		TENNIS COURT FENCE
F3		TENNIS COURT NET
F4		VOLLEYBALL NET, POLE & RATCHET, J–BOLT, AND ANCHOR
F5		STORAGE SHED
F6		S12 SOCCER GOALS

1" = 20'
0 10 20 40

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLEBEAU
No. 6065
Renewal Date 08/31/2024
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MAUER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

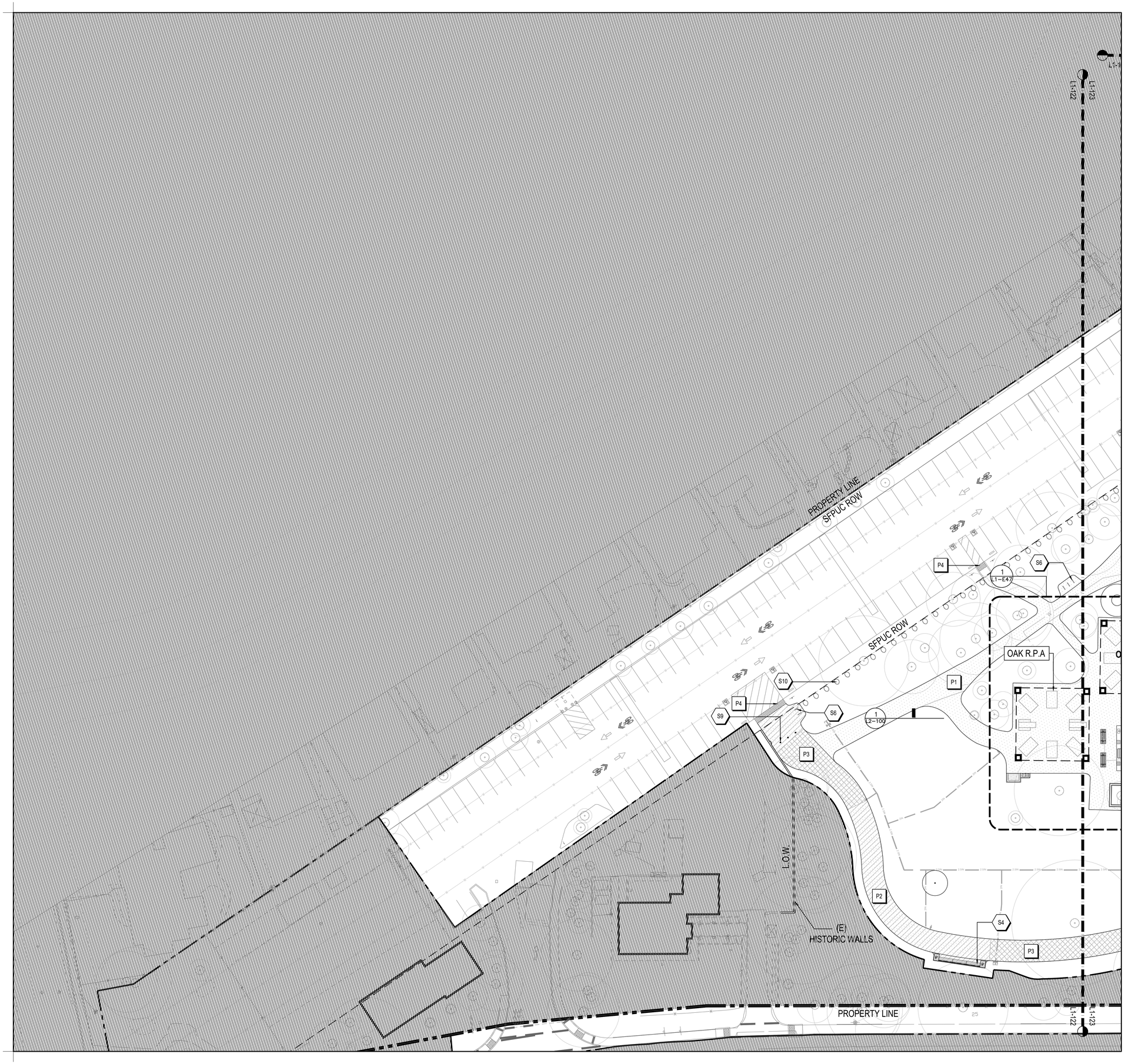
SHEET TITLE

MATERIALS ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-121



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
P3		ASPHALT PAVING –VEHICULAR AT TREE ZONE
P4		DETECTABLE WARNING STRIPS
P5		STABILIZED CRUSHED STONE PAVING
P6		TENNIS COURT PAVING AND SURFACING
P7		BASKETBALL COURT PAVING AND SURFACING
P8		PUMP TRACK
P9		VOLLEYBALL SAND
P10		CONCRETE CURB
P11		SYNTHETIC TURF
P12		FLAGSTONE PAVING
P13		GRAVEL MULCH
P14		ATHLETIC FIELD CONC. PERIMETER CURB

SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
S2		DRINKING FOUNTAIN
S3		WASTE RECEPTACLES
S4		BENCH
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES
S6	–	BIKE RACKS
S7		VEHICULAR CHAINLINK GATE
S8	•	WIFI POLE
S9	·	REMOVABLE BOLLARDS
S10	○	PARKING LOT BOULDERS
S11		UTILITY FENCE AT RESTROOM 'B'
S12		ELECTRICAL EQUIPMENT ENCLOSURE
S13		PUMP TRACK FENCE
S14		TREE BRANCH BRACES
S15		BIKE REPAIR STATION

PICNIC AREAS

TAG	SYMBOL	TYPE
A1		OAK PICNIC AREA STRUCTURES
A2		PICNIC TABLES (OAK PICNIC AREA)
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A8		SMALL COUNTERTOP GRILLS
A9		SINKS
A10		GRILL COUNTERS
A11		WOOD COUNTERS
A12		DUMPSTERS AND ENCLOSURES
A13		PINATA HANGERS (N.I.C)

SPORTS COURT/FIELD ELEMENTS

TAG	SYMBOL	TYPE
F1		BASKETBALL RIM, BACKBOARD, POLE AND NYLON NET
F2		TENNIS COURT FENCE
F3		TENNIS COURT NET
F4		VOLLEYBALL NET, POLE & RATCHET, J-BOLT, AND ANCHOR
F5		STORAGE SHED
F6		S12 SOCCER GOALS

1" = 20'
0 5 10 20 40

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
STEPHEN M. CURLETTO
No. 5616
Signature
Renewal Date: 08/31/2024
LICENSED
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
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	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
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1	BID ADDENDUM 1	07.03.23
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MAUER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

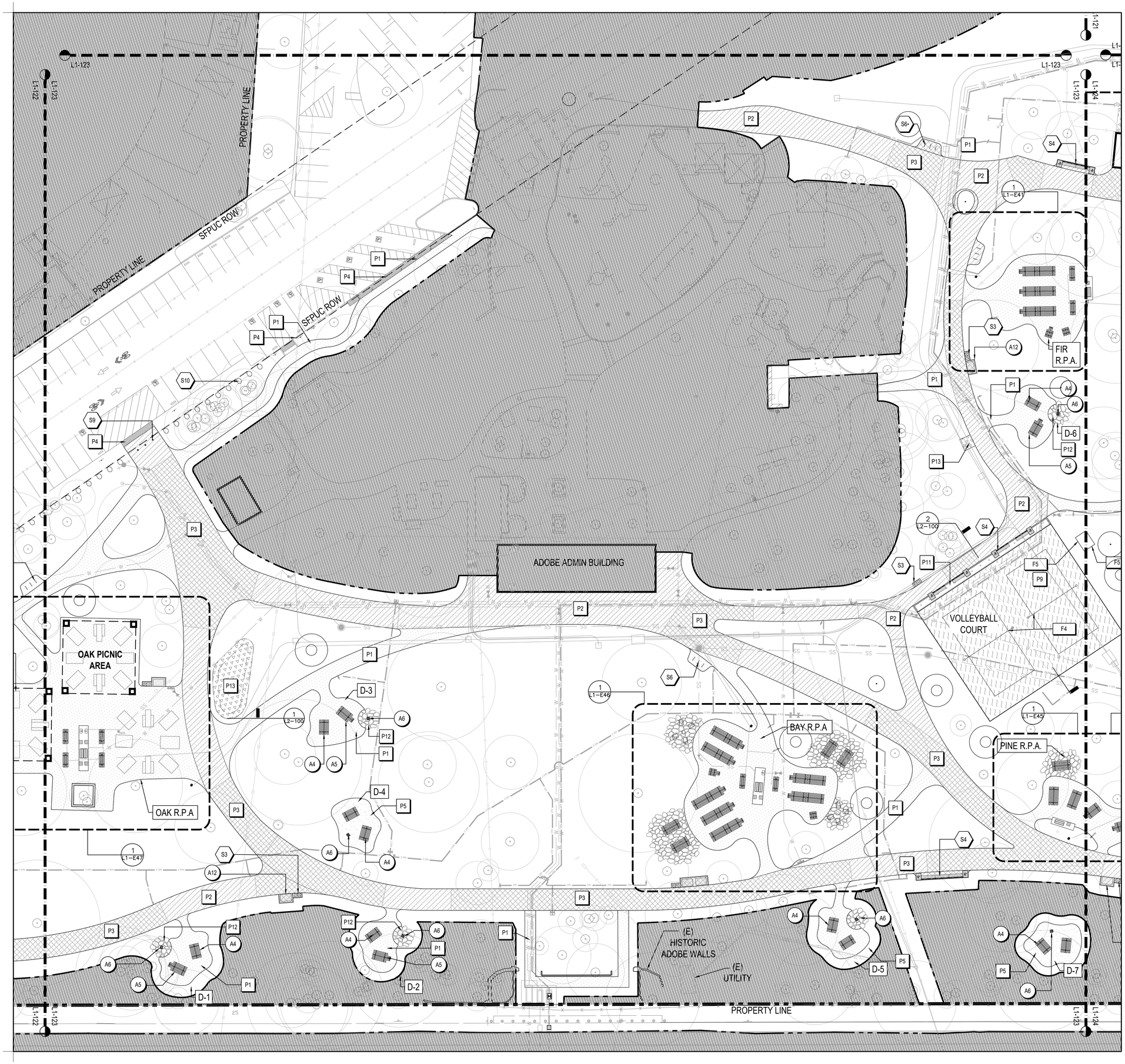
SHEET TITLE

MATERIALS ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-122



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
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P12		FLAGSTONE PAVING
P13		GRAVEL MULCH
P14		ATHLETIC FIELD CONC. PERIMETER CURB

SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
S2		DRINKING FOUNTAIN
S3		WASTE RECEPTACLES
S4		BENCH
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES
S6		BIKE RACKS
S7		VEHICULAR CHAINLINK GATE
S8		WIFI POLE
S9		REMOVABLE BOLLARDS
S10		PARKING LOT BOULDERS
S11		UTILITY FENCE AT RESTROOM 'B'
S12		ELECTRICAL EQUIPMENT ENCLOSURE
S13		PUMP TRACK FENCE
S14		TREE BRANCH BRACES
S15		BIKE REPAIR STATION

PICNIC AREAS

TAG	SYMBOL	TYPE
A1		OAK PICNIC AREA STRUCTURES
A2		PICNIC TABLES (OAK PICNIC AREA)
A3		KIDS PICNIC TABLE
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A8		SMALL COUNTERTOP GRILLS
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A10		GRILL COUNTERS
A11		WOOD COUNTERS
A12		DUMPSTERS AND ENCLOSURES
A13		PINATA HANGERS (N.I.C)

SPORTS COURT/FIELD ELEMENTS

TAG	SYMBOL	TYPE
F1		BASKETBALL RIM, BACKBOARD, POLE AND NYLON NET
F2		TENNIS COURT FENCE
F3		TENNIS COURT NET
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F6		S12 SOCCER GOALS

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
REGISTERED NO. 6415
Signature
Renewal Date: 08/31/2025
CALIFORNIA
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

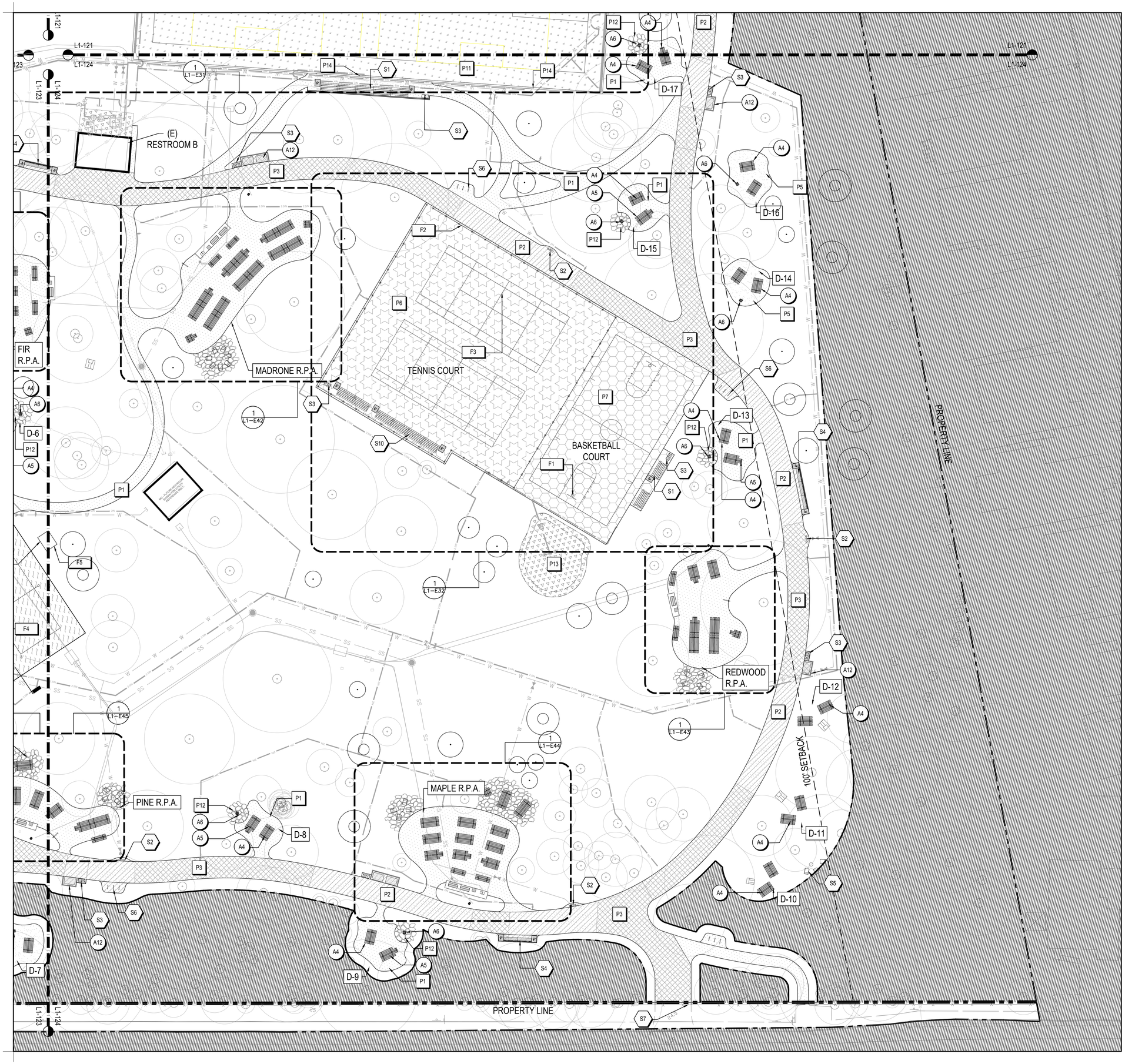
SHEET TITLE

MATERIALS ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-123



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
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SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
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TAG	SYMBOL	TYPE
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F6		S12 SOCCER GOALS

1"=20'
0 5 10 20 40

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLEBEAU
No. 5395
Signature
Date
Renewal Date 08/31/2024
State
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

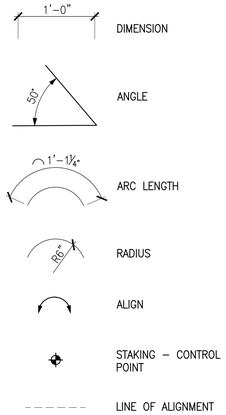
MATERIALS ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-124

LAYOUT LEGEND



LAYOUT NOTES:

1. SEE CIVIL DRAWINGS FOR PARKING LOT IMPROVEMENTS, CURB AND GUTTER LAYOUT, AND, CURB RAMP LAYOUT. CONFIRM LOCATION OF CURB RAMP OPENINGS PRIOR TO PLACING PATHS.
2. REFER TO L1–300 SHEETS FOR DETAILED LAYOUT OF PICNIC AREAS.
6. LANDSCAPE ARCHITECT TO PROVIDE CAD FILE FOR STAKING OF HORIZONTAL AND GRADING CONTORL POINTS ACCORDING TO PLANS.
7. ALL CONTROL POINTS IDENTIFIED IN THE PLANS SHALL BE SURVEYED AND STAKED FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION FOR IMPROVEMENTS.
8. FOLLOWING PRELIMINARY REVIEW AND APPROVAL OF SITE LAYOUT, STAKE THE FINAL LAYOUT OF PAVING AND SPRAY MARK TRANSITIONS BETWEEN CONTROL POINTS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF PAVING EDGING OR FORM WORK.
9. ALL TRANSITIONS BETWEEN CONTROL POINTS SHALL BE SMOOTH AND CONTINOUS AS INDICATED IN PLANS.
10. REFER TO GRADING AND DRAINAGE NOTES FOR ADDITIONAL STAKING REQUIREMENTS.
11. NOTE KEY ALIGNMENTS BETWEEN EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.

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REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

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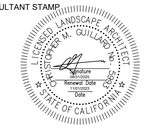

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

SHEET TITLE

LAYOUT PLAN SCHEDULE

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-200



LAYOUT LEGEND

- 1'-0" DIMENSION
- 50° ANGLE
- 1'-1¼" ARC LENGTH
- R6" RADIUS
- ALIGN
- STAKING – CONTROL POINT

1"=50' 0 12.5 25 50 100

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REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 5265
Signature
Revised Date
Date
STATE OF CALIFORNIA

PHASE

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NO.	ISSUE	DATE
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

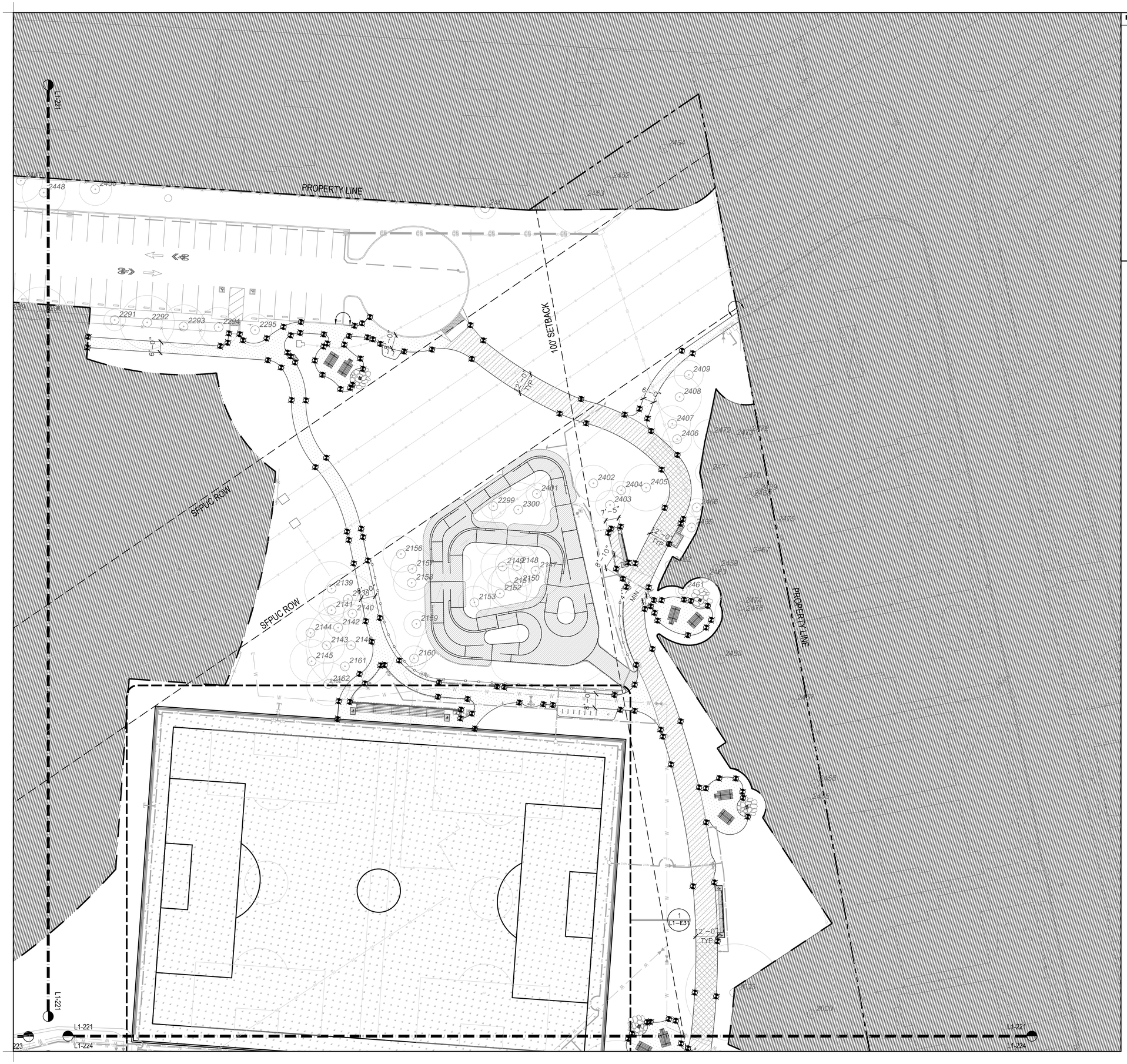
SHEET TITLE

HORIZONTAL CONTROL AND LAYOUT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-210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100' SETBACK
SFPUC ROW
SFPUC ROW
PROPERTY LINE
L1-221
L1-221
L1-224
L1-224
L1-223
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L1-E3.1
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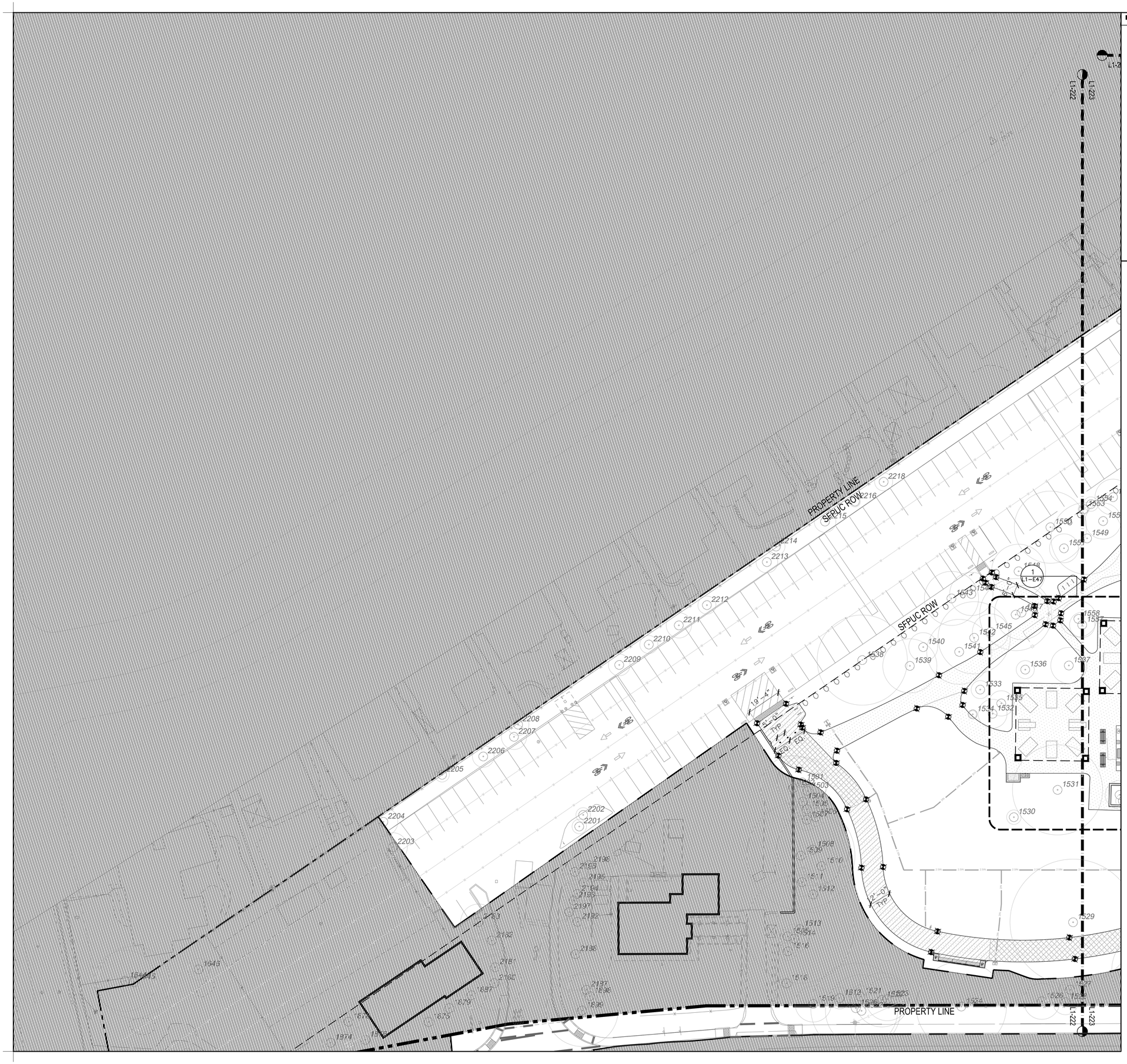

LAYOUT LEGEND

- 1'-0" — DIMENSION
- 30° — ANGLE
- 1'-1½" — ARC LENGTH
- 25' — RADIUS
- ALIGN
- STAKING – CONTROL POINT

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CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
ANN MAUER STILLMAN
No. 5882
Renewal Date: 08/31/2024
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MAUER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

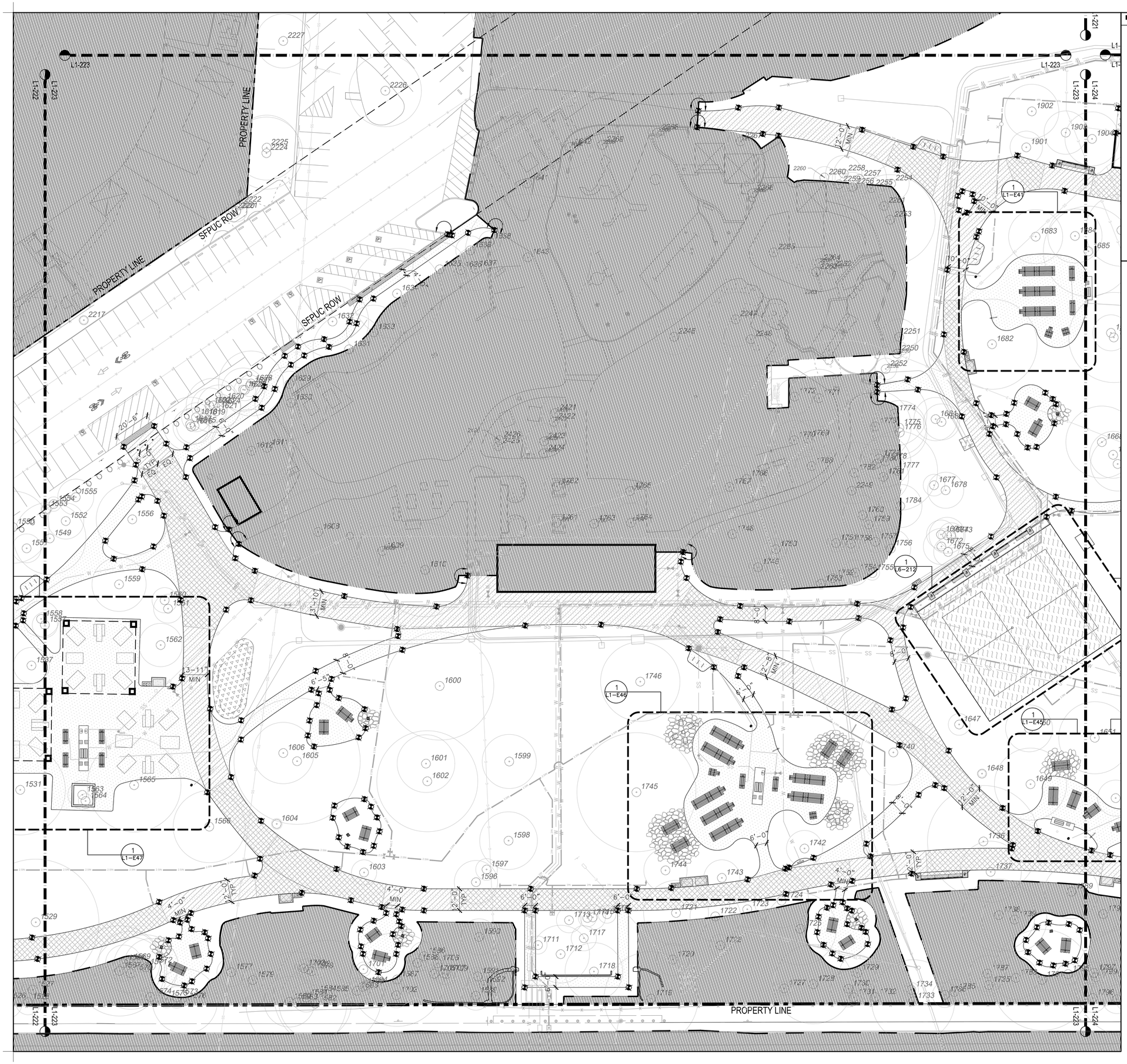
SHEET TITLE

HORIZONTAL CONTROL AND LAYOUT ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-222



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CONSULTANTS

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MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
STEPHEN M. CULLUM
No. 5573
Signature
Renewal Date: 08/31/2025
LICENSED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

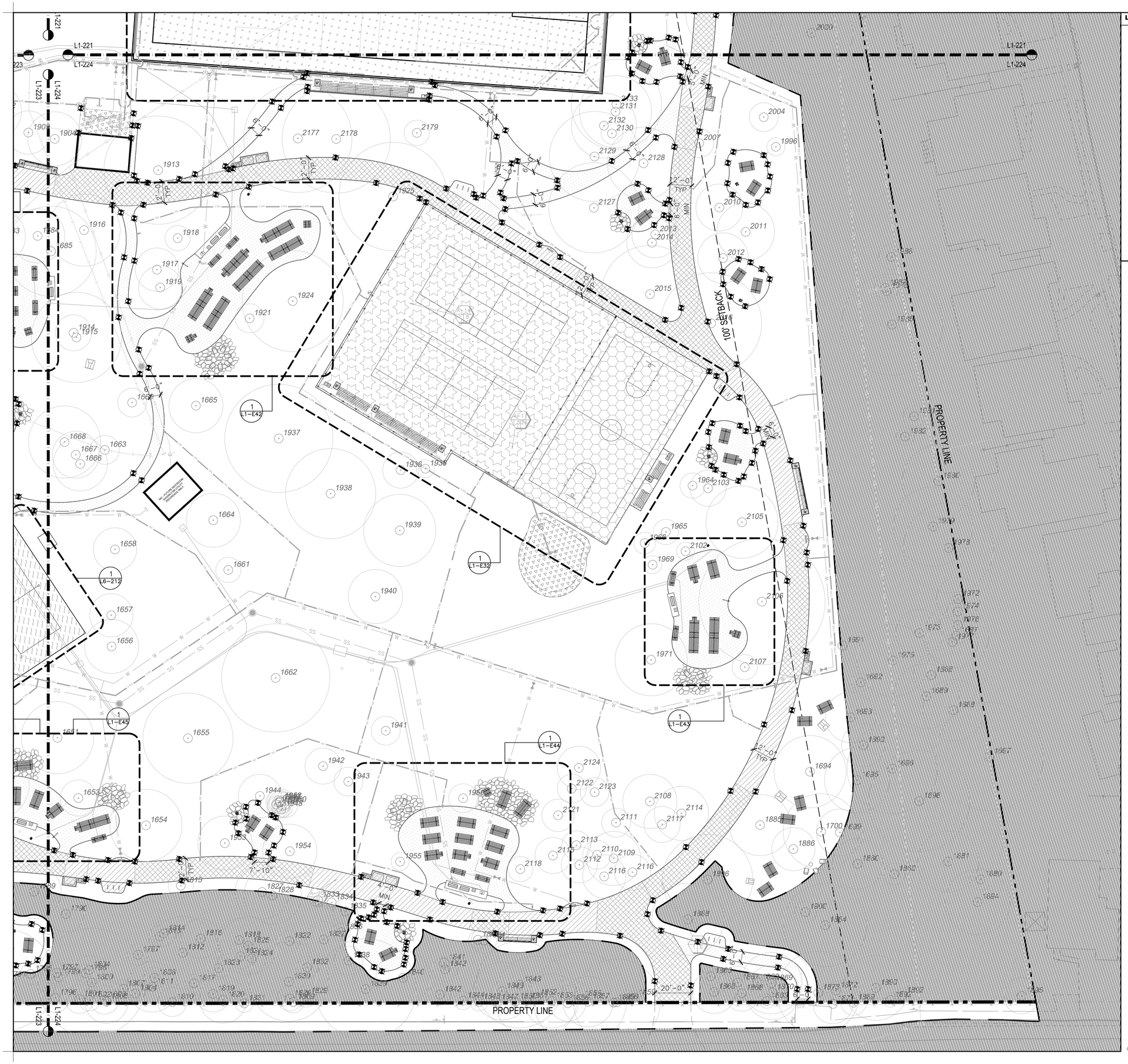
SHEET TITLE

HORIZONTAL CONTROL AND LAYOUT ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-223



LAYOUT LEGEND

- 1'–0" — DIMENSION
- 50° — ANGLE
- 1'–1¼" — ARC LENGTH
- R6" — RADIUS
- ALIGN
- STAKING – CONTROL POINT

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CONSULTANTS

PROJECT NAME

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MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
STEPHEN M. QUILLMAN
No. 5765
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
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STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

HORIZONTAL CONTROL AND LAYOUT ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-224

GRADING AND DRAINAGE NOTES

1. SEE CIVIL DRAWINGS FOR STORMWATER POLLUTION PREVENTION REQUIREMENTS (SWPPP) AND STORMWATER TREATMENT (C3) REQUIREMENTS.
2. ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE (2016 CALIFORNIA BUILDING CODE), THE AMERICANS WITH DISABILITIES ACT (ADA), THE 2010 ADA ACCESSIBILITY STANDARDS FOR ACCESSIBLE DESIGN, THE COUNTY OF SAN MATEO PUBLIC WORKS CODE AND THE SAN MATEO PUBLIC WORKS CURB RAMP STANDARDS, DPW ORDERS (TO BE PROVIDED).
3. REFER TO CIVIL DRAWINGS FOR ALL ROADWAY AND PARKING IMPROVEMENT GRADING INCLUDING ALL CURBS AND CURB RAMPS. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN LANDSCAPE GRADES AND CIVIL GRADES.
4. REFER TO CIVIL AND SITE UTILITY DRAWINGS FOR ALL NOTES AND INFORMATION RELATED TO DEMOLITION, SITE PREPARATION, EXISTING AND PROPOSED UTILITIES INCLUDING LOCATION OF EXISTING UTILITIES PRIOR TO ANY SITE DEMOLITION OR CLEARING OR ASSOCIATED WITH ANY SITE GRADING OR TRENCHING OPERATIONS.
5. EARTHWORK: CUT AND FILL INCLUDING ALL TRENCHING SPOILS SHALL BE BALANCED ON SITE. THE CONTRACTOR SHALL REVIEW THE PLANS AND MAKE AN ASSESSMENT OF THE EARTHWORK BALANCE. CONTRACTOR SHALL PREPARE BIDS SO AS TO INCLUDE ANY IMPORT TOPSOIL REQUIRED TO PROVIDE TRANSITIONS BETWEEN PROPOSED IMPROVEMENTS AND EXISTING GRADES AT A SLOPE OF 10:1 OR GREATER. IF CUT EXCEEDS FILL REQUIREMENTS, THE CONTRACTOR SHALL IDENTIFY THE QUANTITY OF EXCESS AND THE LANDSCAPE ARCHITECT SHALL PROVIDE A DESIGN FOR SMALL MOUNDS LOCATED THROUGHOUT THE PARK FOR PLACEMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO PROJECT EARTHWORK EXCESS OR SHORTAGE.
6. EXISTING TOPSOIL AND SUBSOILS EXCAVATED FOR SITE IMPROVEMENTS AND UTILITY TRENCHES SHALL BE STOCKPILED ON-SITE FOR REUSE.
7. IF IMPORT MATERIAL IS REQUIRED FOR NON-EXPANSIVE FILL IT SHALL MEET THE REQUIREMENTS OF THE EARTHWORK SPECIFICATIONS AND GEOTECHNICAL REPORT. IF IMPORT TOPSOIL IS REQUIRED TO MEET PROPOSED FINISH GRADES IT SHALL MEET THE REQUIREMENTS OF THE SOIL PREPARATION SPECIFICATION.
8. REFER TO THE L1-600 UNDERSTORY PLANTING SERIES FOR CLEARING AND GRUBBING AND PLANTING SOIL REQUIREMENTS.
9. LANDSCAPE ARCHITECT TO PROVIDE CAD FILE FOR STAKING OF HORIZONTAL AND GRADING CONTROL POINTS ACCORDING TO PLANS.
10. ALL CONTROL POINTS IDENTIFIED IN THE PLANS SHALL BE SURVEYED AND STAKED FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION FOR IMPROVEMENTS.
11. FOLLOWING PRELIMINARY REVIEW AND APPROVAL, STAKE THE FINAL LAYOUT OF PAVING/IMROVEMENTS AND SPRAY MARK TRANSITIONS BETWEEN CONTROL POINTS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF PAVING EDGING OR FORM WORK.
12. TRANSITIONS BETWEEN GRADES SHOWN IN PLANS SHALL BE SMOOTH AND CONTINUOUS.
13. ALL GRADES REFER TO FINISH PAVING GRADES UNLESS OTHERWISE NOTED.
14. LANDSCAPE ARCHITECT TO REVIEW AND APPROVE FINISH GRADING OF ALL PLANTING AREAS PRIOR TO INSTALLATION OF IRRIGATION AND PLANTING.
15. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, LANDSCAPE, GRADING, ETC., AND TO AVOID ANY ABRUPT OR APPARENT CHANGE IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS. PROVIDE A SMOOTH TRANSITION FROM LANDSCAPE AREAS TO NEW HARDSCAPE.
16. ALL CONFORMING GRADING AREAS TO BE CONFIRMED BY CONTRACTOR AND ANY DISCREPANCIES SHALL BE REVIEWED BY LANDSCAPE ARCHITECT TO ENSURE CODE COMPLIANCE.
17. UTILITY BOXES AND VAULT ELEVATIONS SHALL BE SET BASED ON ADJACENT GRADES. ADJACENT GRADES SHALL NOT BE WARPED TO CONFORM TO FIXTURES.

GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE	DETAIL	NOTES/DESCRIPTION
	SLOPE	SLOPE		
	10.03	SPOT ELEVATION		
		GRADE BREAK		ALL GRADE BREAKS SHOWN IN AC PAVING AREAS ARE INTENDED TO SHOW HIGH AND LOW POINTS. TRANSITIONS SHALL BE SMOOTH AND CONTINUOUS.
		EXTENT OF TRANSITION GRADING		MARKS THE APPROXIMATE EDGE OF CONFORM GRADING FROM PAVING TO (E) GRADE TYPICAL
D1		SLOT DRAIN	5/L6-400	TYPE 470 GALVANIZED DRAIN, K1 SLOPING CHANNELS, K1-900 CLEANOUTS AT ENDS AND K1-900 CATCHBASIN AT SD CONNECTION
D2		FIELD INFILTRATION TRENCH	2,3/L6-400	
D3		VOLLEYBALL UNDERDRAIN	7/L6-400	
D4		FIELD UNDERDRAIN	2/L6-103	
D5		SOLID PIPE	--	
D6		AREA DRAIN IN PAVING & PLANTING	4/L6-400	
D7		BTA BUBBLE UP	6/L6-400	FOR INFRASTRUCTURE AND DRAIN GRATE, S.C.D. FOR COBBLE SPLASHPAD SIZING AND MATERIALS, S.L.D.

NOTE: ALL PRODUCTS SPECIFIED BY PRODUCT OR MANUFACTURER MAY BE SUBSTITUTED FOR APPROVED EQUIVALENT PENDING CONFORMANCE WITH SPECIFICATIONS AND DRAWINGS AND REVIEW AND APPROVAL.

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REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

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215 BAY RD.
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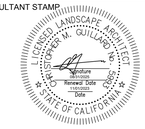

PHASE

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NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
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COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

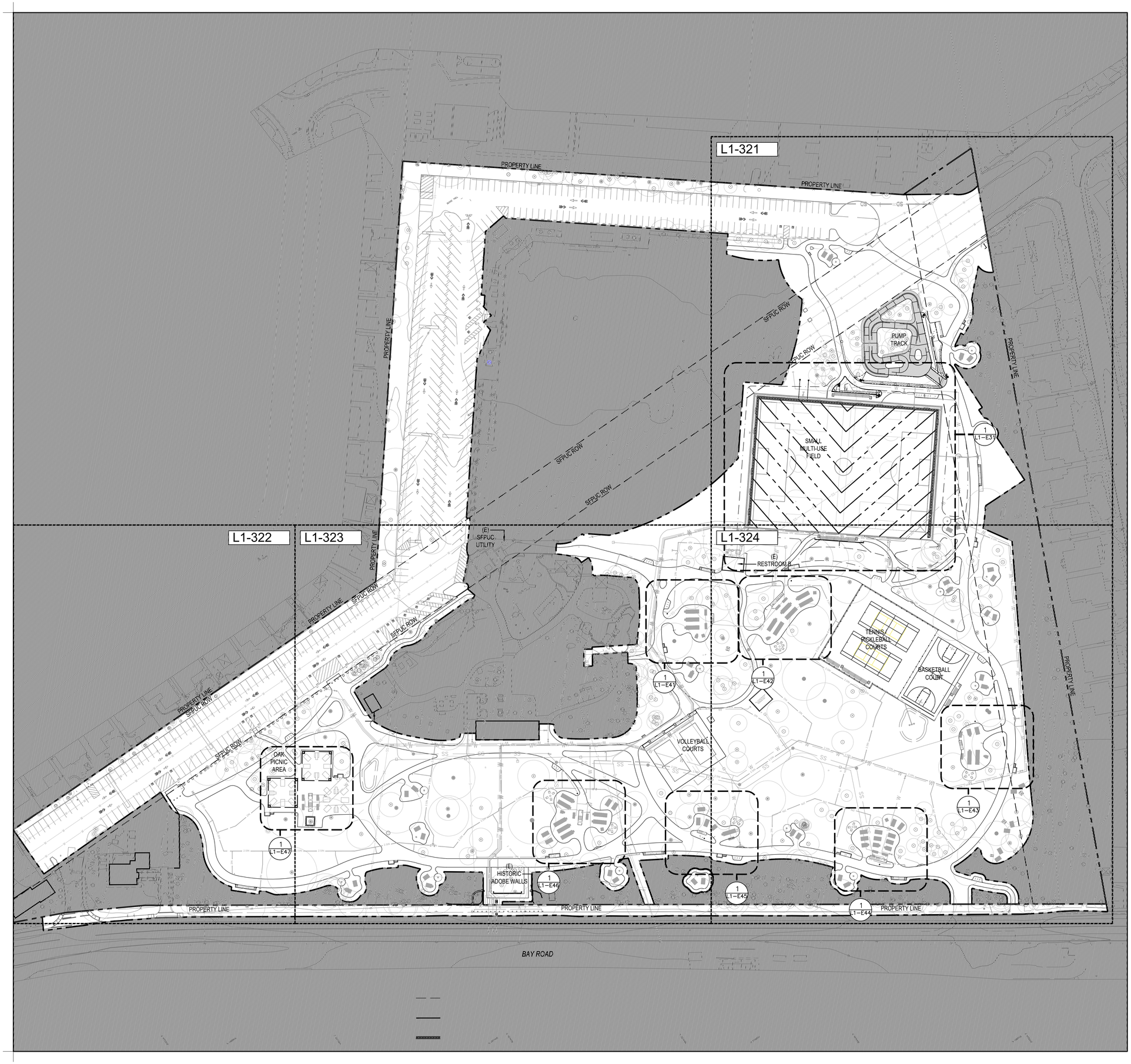
SHEET TITLE

GRADING & DRAINAGE SCHEDULE

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-300



GRADING & DRAINAGE SCHEDULE		
TAG	SYMBOL	TYPE
		SLOPE
		SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
D2		FIELD INFILTRATION TRENCH
D3		VOLLEYBALL UNDERDRAIN
D4		FIELD UNDERDRAIN
D5		SOLID PIPE
D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

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REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 2365
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

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1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

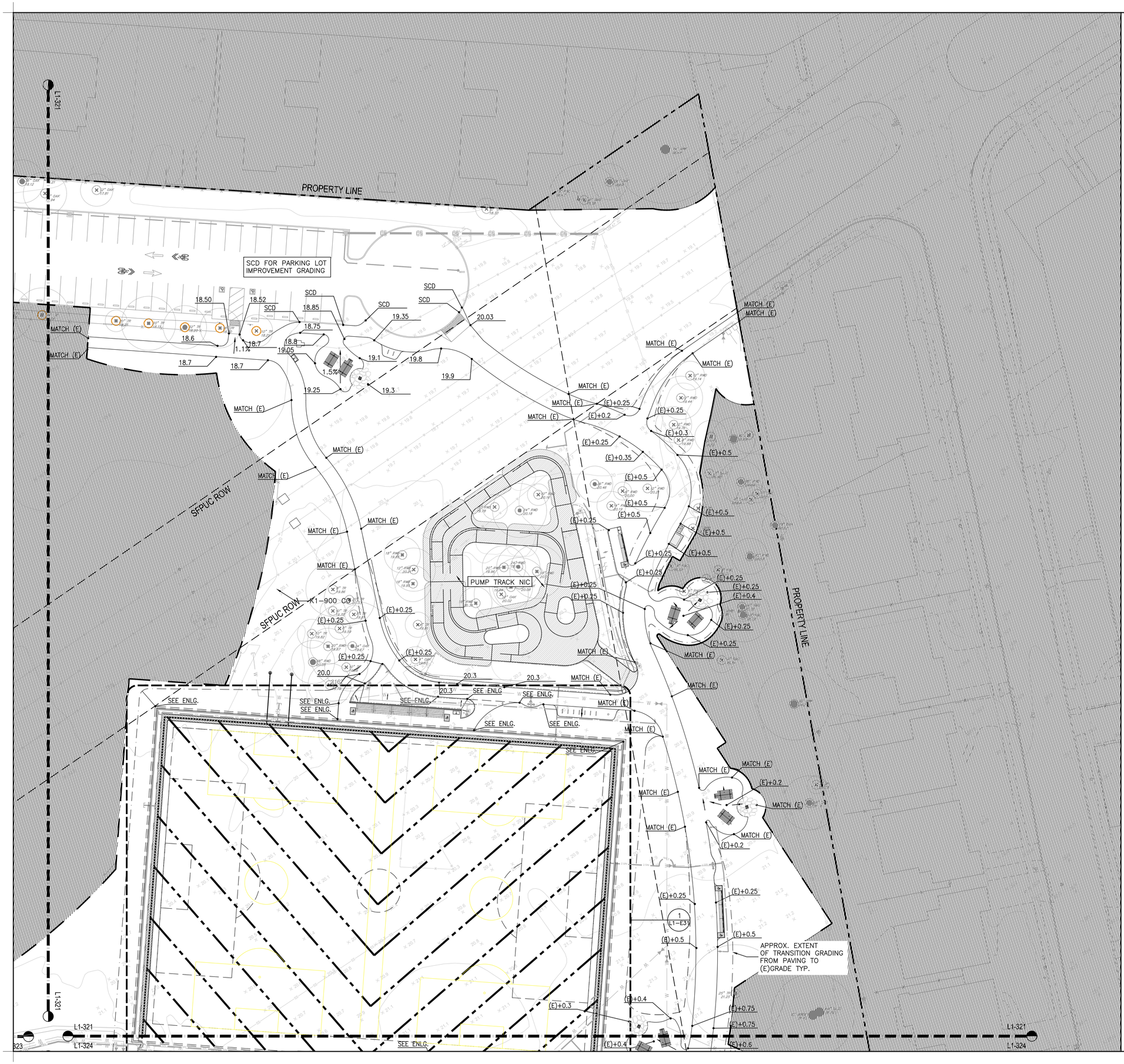
SHEET TITLE

LANDSCAPE GRADING + DRAINAGE PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-310



GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	(E)+0.5	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
D2		FIELD INFILTRATION TRENCH
D3		VOLLEYBALL UNDERDRAIN
D4		FIELD UNDERDRAIN
D5		SOLID PIPE
D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

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CONSULTANTS

PROJECT NAME

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215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 2863
Signature
Revision
Renewal Date
Date
STATE OF CALIFORNIA

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	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

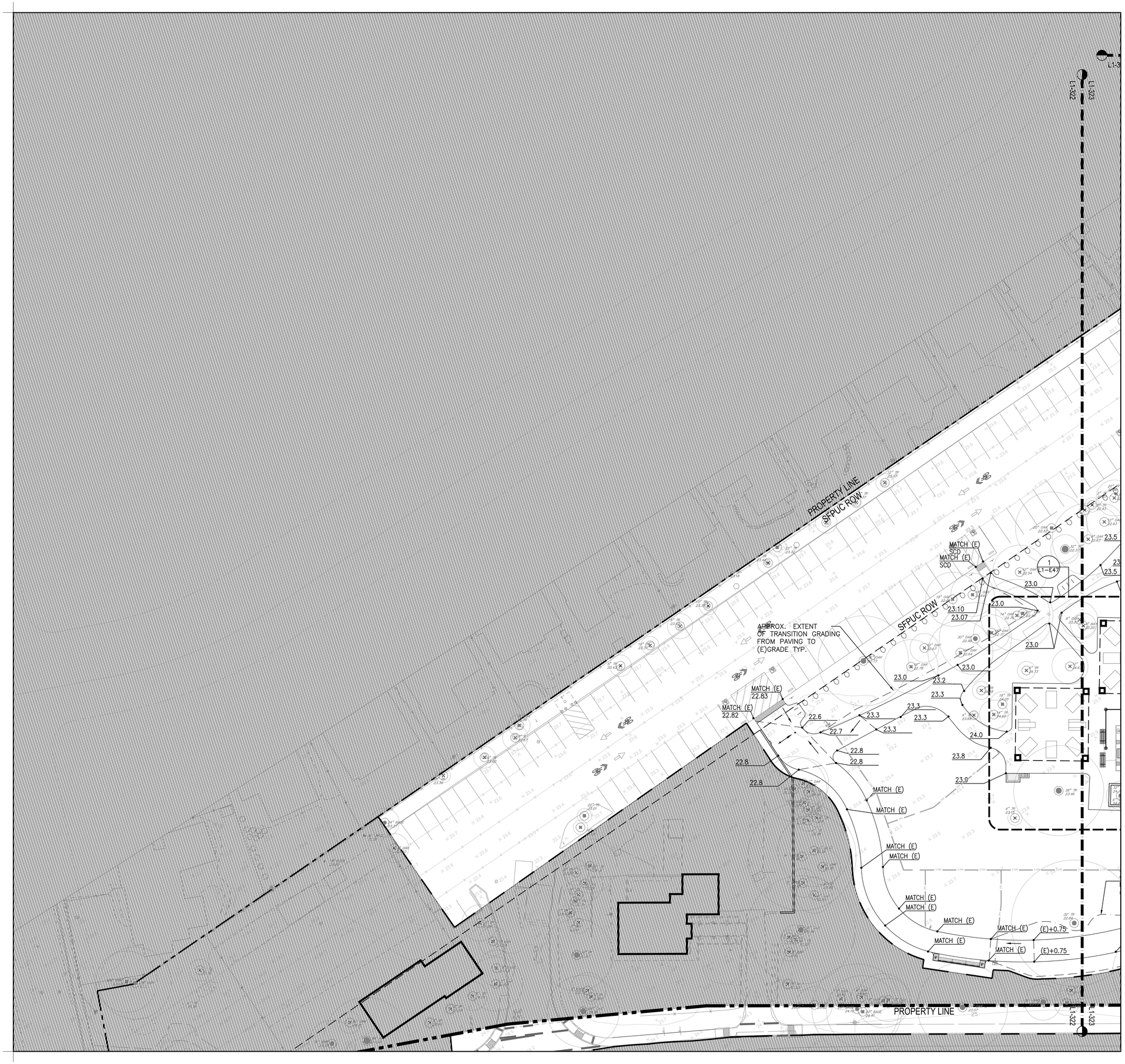
SHEET TITLE

LANDSCAPE GRADING + DRAINAGE PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-321



GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	(E)+0.5	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
D2		FIELD INFILTRATION TRENCH
D3		VOLLEYBALL UNDERDRAIN
D4		FIELD UNDERDRAIN
D5		SOLID PIPE
D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

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444 Bryant St
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415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT ANNE MARIE PUGLISI LICENSE NO. 6432 RENEWAL DATE 08/31/2024 STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER ANN MAUER STILLMAN C 47882 EXPIRES 12/31/23 CIVIL STATE OF CALIFORNIA

11/07/2023

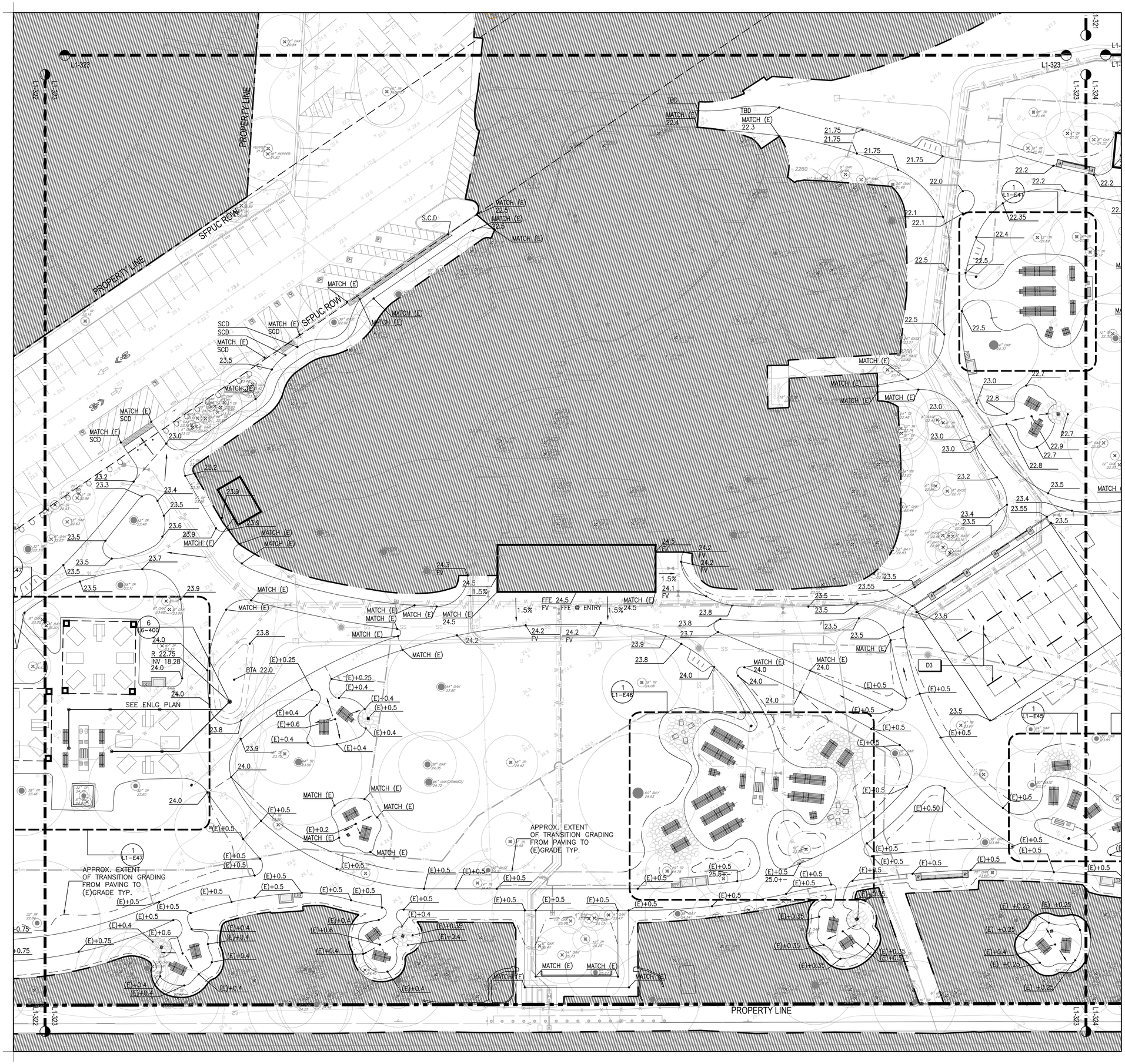
SHEET TITLE

LANDSCAPE GRADING + DRAINAGE PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-322



GRADING & DRAINAGE SCHEDULE		
TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	(E)+0.5	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
D2		FIELD INFILTRATION TRENCH
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D4		FIELD UNDERDRAIN
D5		SOLID PIPE
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D7		BTA BUBBLE UP

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 4086
Signature
Revised Date
Revision
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

LANDSCAPE GRADING + DRAINAGE PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-323



GRADING & DRAINAGE SCHEDULE		
TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	(E)+0.5	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
D2		FIELD INFILTRATION TRENCH
D3		VOLLEYBALL UNDERDRAIN
D4		FIELD UNDERDRAIN
D5		SOLID PIPE
D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 4986
Signature
Revision
Revised Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

LANDSCAPE GRADING + DRAINAGE PLAN

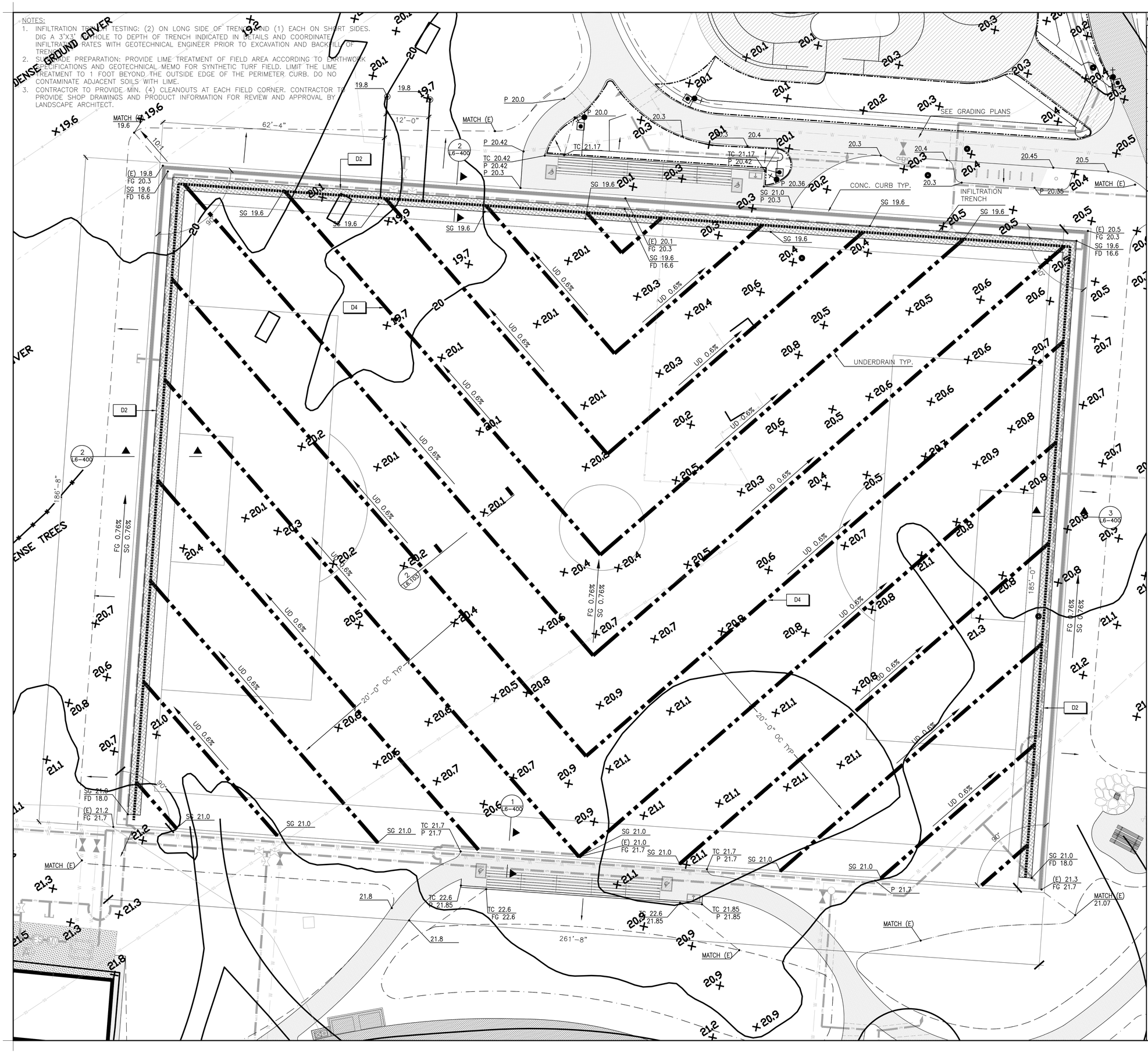
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-324

NOTES:

1. INFILTRATION TRENCH TESTING: (2) ON LONG SIDE OF TRENCH AND (1) EACH ON SHORT SIDES. DIG A 3'X3' PATHOLE TO DEPTH OF TRENCH INDICATED IN DETAILS AND COORDINATE INFILTRATION RATES WITH GEOTECHNICAL ENGINEER PRIOR TO EXCAVATION AND BACKFILL OF TRENCH.
2. SUBGRADE PREPARATION: PROVIDE LIME TREATMENT OF FIELD AREA ACCORDING TO EARTHWORK SPECIFICATIONS AND GEOTECHNICAL MEMO FOR SYNTHETIC TURF FIELD. LIMIT THE LIME TREATMENT TO 1 FOOT BEYOND THE OUTSIDE EDGE OF THE PERIMETER CURB. DO NO CONTAMINATE ADJACENT SOILS WITH LIME.
3. CONTRACTOR TO PROVIDE MIN. (4) CLEANOUTS AT EACH FIELD CORNER. CONTRACTOR TO PROVIDE SHOP DRAWINGS AND PRODUCT INFORMATION FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.



GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	P 20.0	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
D2		FIELD INFILTRATION TRENCH
D3		VOLLEYBALL UNDERDRAIN
D4		FIELD UNDERDRAIN
D5		SOLID PIPE
D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

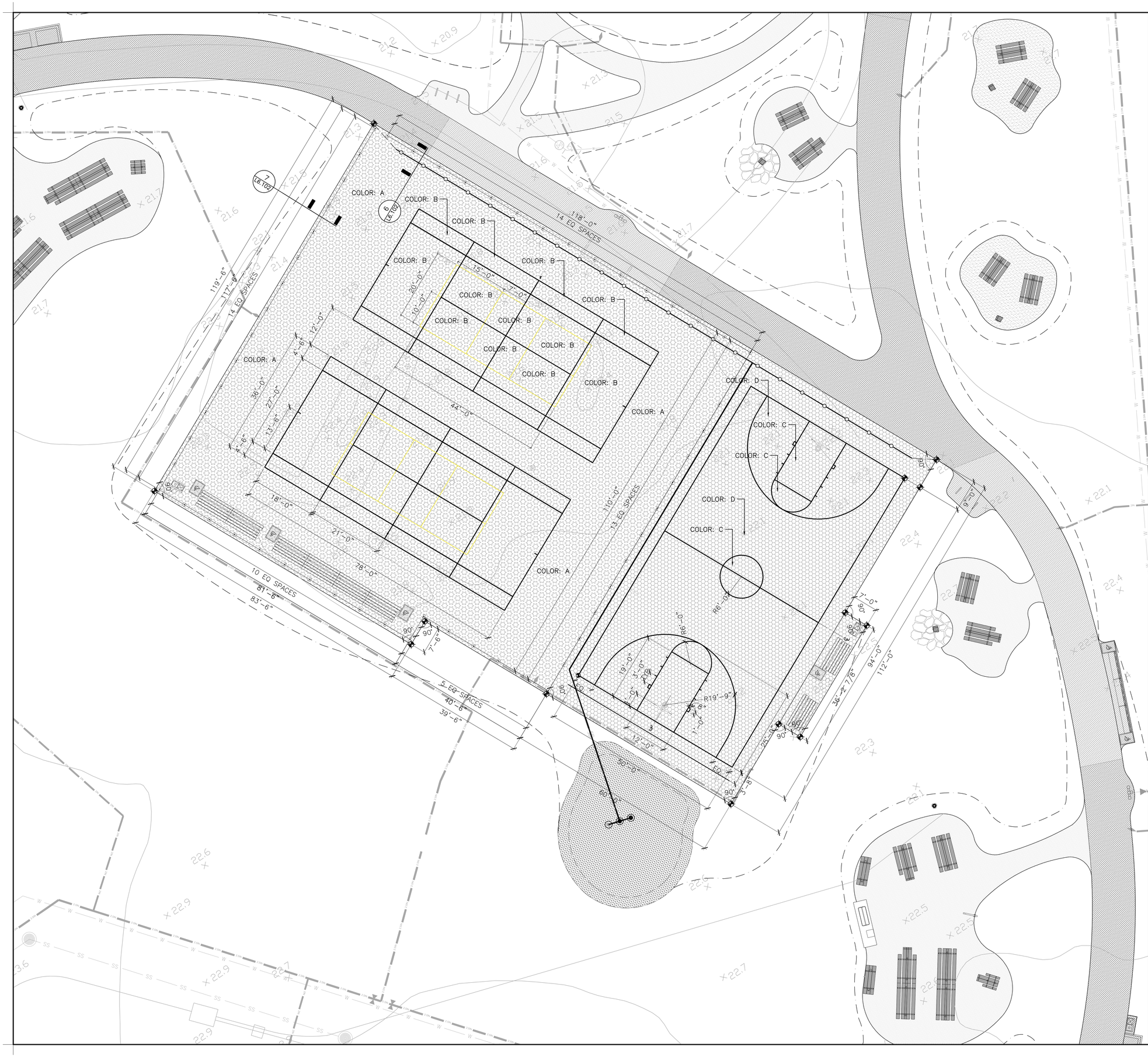
SHEET TITLE

SMALL MULTI-USE FIELD GRADING AND DRAINAGE

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 10'-0"	CG, AMP

SHEET NUMBER

L1-E31



LAYOUT LEGEND

- DIMENSION (1'-0")
- ANGLE (50°)
- ARC LENGTH (1'-1¼")
- RADIUS (R6")
- ALIGN
- POINT OF BEGINNING (POB)
- LINE OF ALIGNMENT

COURT COLOR CHART

COLOR AREA	COLOR
COLOR A	LAYKOLD DARK GREEN
COLOR B	LAYKOLD US OPEN GREEN
COLOR C	STANDARD COLOR TBD
COLOR D	STANDARD COLOR TBD

NOTES

TENNIS:
1. ALL MEASUREMENTS ARE TO OUTSIDE OF LINES, EXCEPT THE CENTER SERVICE LINE WHICH IS EQUALLY DIVIDED.
2. BASE LINES SHALL BE 3" WIDE. ALL OTHER LINES SHALL BE 2" WIDE.
3. TENNIS LINES TO GO OVER BADMINTON/PICKLEBALL LINES.
4. ALL LINES SHALL BE PAINTED WHITE.

PICKLEBALL:
1. ALL MEASUREMENTS ARE TO OUTSIDE OF LINES, EXCEPT THE CENTER SERVICE LINE WHICH IS EQUALLY DIVIDED.
2. BASE LINES SHALL BE 3" WIDE. ALL OTHER LINES SHALL BE 2" WIDE.
3. ALL LINES SHALL BE PAINTED YELLOW.

BASKETBALL:
1. ALL MEASUREMENTS ARE TO OUTSIDE OF LINES, EXCEPT THE CENTER LINE WHICH IS EQUALLY DIVIDED.
2. ALL LINES SHALL BE 2" WIDE.
3. ALL LINES SHALL BE PAINTED WHITE.
4. SEE PLAN ABOVE FOR THE FIELD COLOR.
5. ALL DIMENSIONS ARE TO BE PER NCCA BASKETBALL STANDARDS.
6. CONTRACTOR TO ASSUME HALFCOURT COLOR AREAS MIRROR EACH OTHER

GENERAL:
1. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD AND CHALKED, STRING LINED, OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION FOR APPROVAL BY LANDSCAPE ARCHITECT.

GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	P 20.0	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
D2		FIELD INFILTRATION TRENCH
D3		VOLLEYBALL UNDERDRAIN
D4		FIELD UNDERDRAIN
D5		SOLID PIPE
D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

1"=10'
0 2.5 5 10 20

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415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 5692
Signature
Revision Date
Renewal Date
Expiration Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

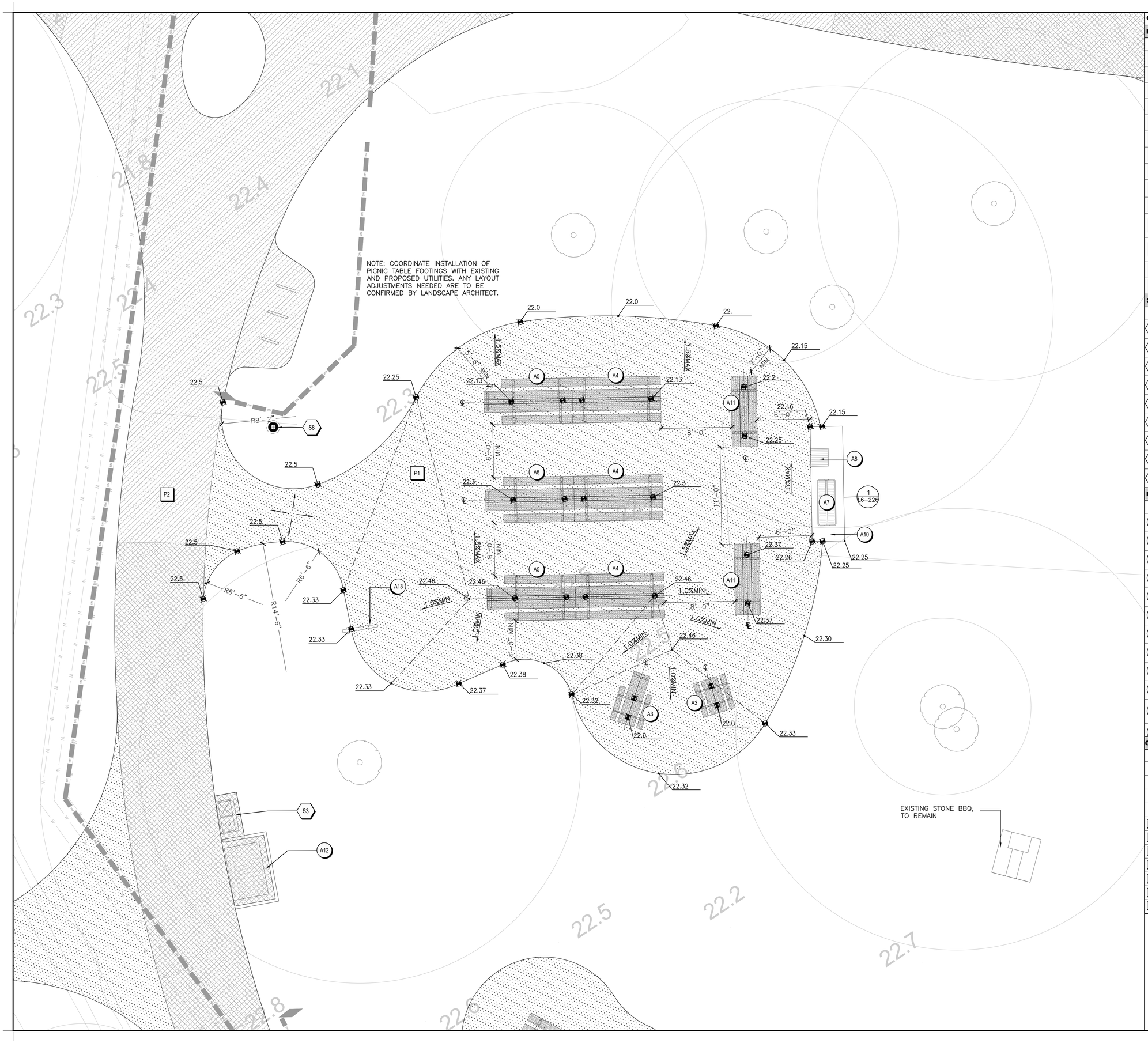
SHEET TITLE

SPORT COURT ENLARGEMENTS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-E32



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
P3		ASPHALT PAVING –VEHICULAR AT TREE ZONE
P4		DETECTABLE WARNING STRIPS
P5		STABILIZED CRUSHED STONE PAVING
P6		TENNIS COURT PAVING AND SURFACING
P7		BASKETBALL COURT PAVING AND SURFACING
P8		PUMP TRACK
P9		VOLLEYBALL SAND
P10		CONCRETE CURB
P11		SYNTHETIC TURF
P12		FLAGSTONE PAVING
P13		GRAVEL MULCH
P14		ATHLETIC FIELD CONC. PERIMETER CURB

SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
S2		DRINKING FOUNTAIN
S3		WASTE RECEPTACLES
S4		BENCH
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES
S6		BIKE RACKS
S7		VEHICULAR CHAINLINK GATE
S8		WIFI POLE
S15		BIKE REPAIR STATION

PICNIC AREAS

TAG	SYMBOL	TYPE
A1		OAK PICNIC AREA STRUCTURES
A2		PICNIC TABLES (OAK PICNIC AREA)
A3		KIDS PICNIC TABLE
A4		STD. 8' PICNIC TABLE
A5		STD. 10' PICNIC TABLE
A6		NEW PEDESTAL GRILLS
A7		LARGE COUNTERTOP GRILLS
A8		SMALL COUNTERTOP GRILLS
A9		SINKS
A10		GRILL COUNTERS
A11		WOOD COUNTERS
A12		DUMPSTERS AND ENCLOSURES

GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	HP 24.25	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
D2		FIELD INFILTRATION TRENCH
D3		VOLLEYBALL UNDERDRAIN
D4		FIELD UNDERDRAIN
D5		SOLID PIPE
D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

1/4"=1'
0 1 2 4 8

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHERYL M. QUILLMAN
No. 5482
Signature
Date
Renewal Date
10/31/2023
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

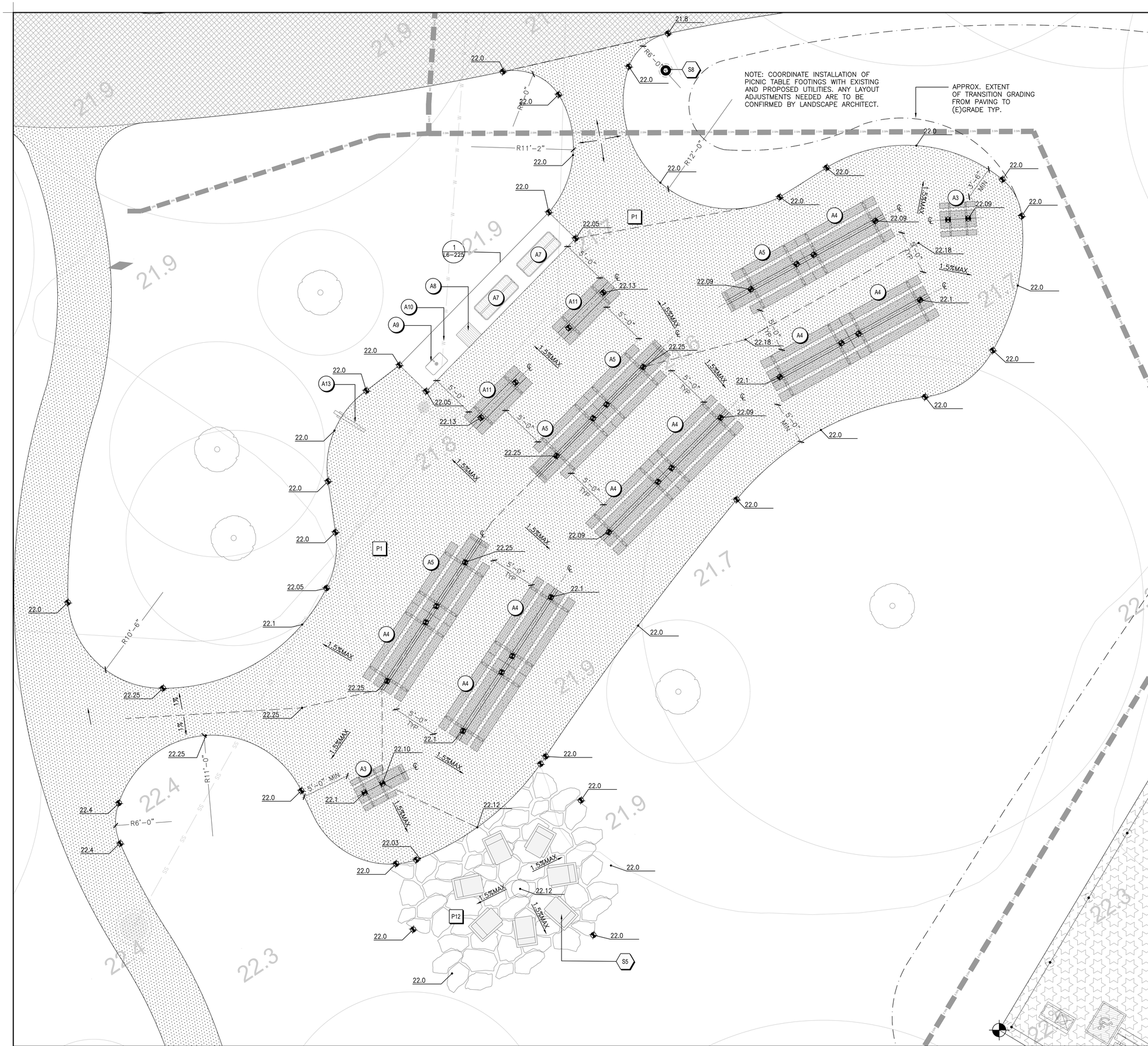
SHEET TITLE

RESERVABLE PICNIC AREA PLAN -FIR

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-E41



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
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P8		PUMP TRACK
P9		VOLLEYBALL SAND
P10		CONCRETE CURB
P11		SYNTHETIC TURF
P12		FLAGSTONE PAVING
P13		GRAVEL MULCH
P14		ATHLETIC FIELD CONC. PERIMETER CURB

SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
S2		DRINKING FOUNTAIN
S3		WASTE RECEPTACLES
S4		BENCH
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES
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S8		WIFI POLE
S15		BIKE REPAIR STATION

PICNIC AREAS

TAG	SYMBOL	TYPE
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A2		PICNIC TABLES (OAK PICNIC AREA)
A3		KIDS PICNIC TABLE
A4		STD. 8' PICNIC TABLE
A5		STD. 10' PICNIC TABLE
A6		NEW PEDESTAL GRILLS
A7		LARGE COUNTERTOP GRILLS
A8		SMALL COUNTERTOP GRILLS
A9		SINKS
A10		GRILL COUNTERS
A11		WOOD COUNTERS
A12		DUMPSTERS AND ENCLOSURES

GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	HP 24.25	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
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D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 4365
Signature
Revision
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

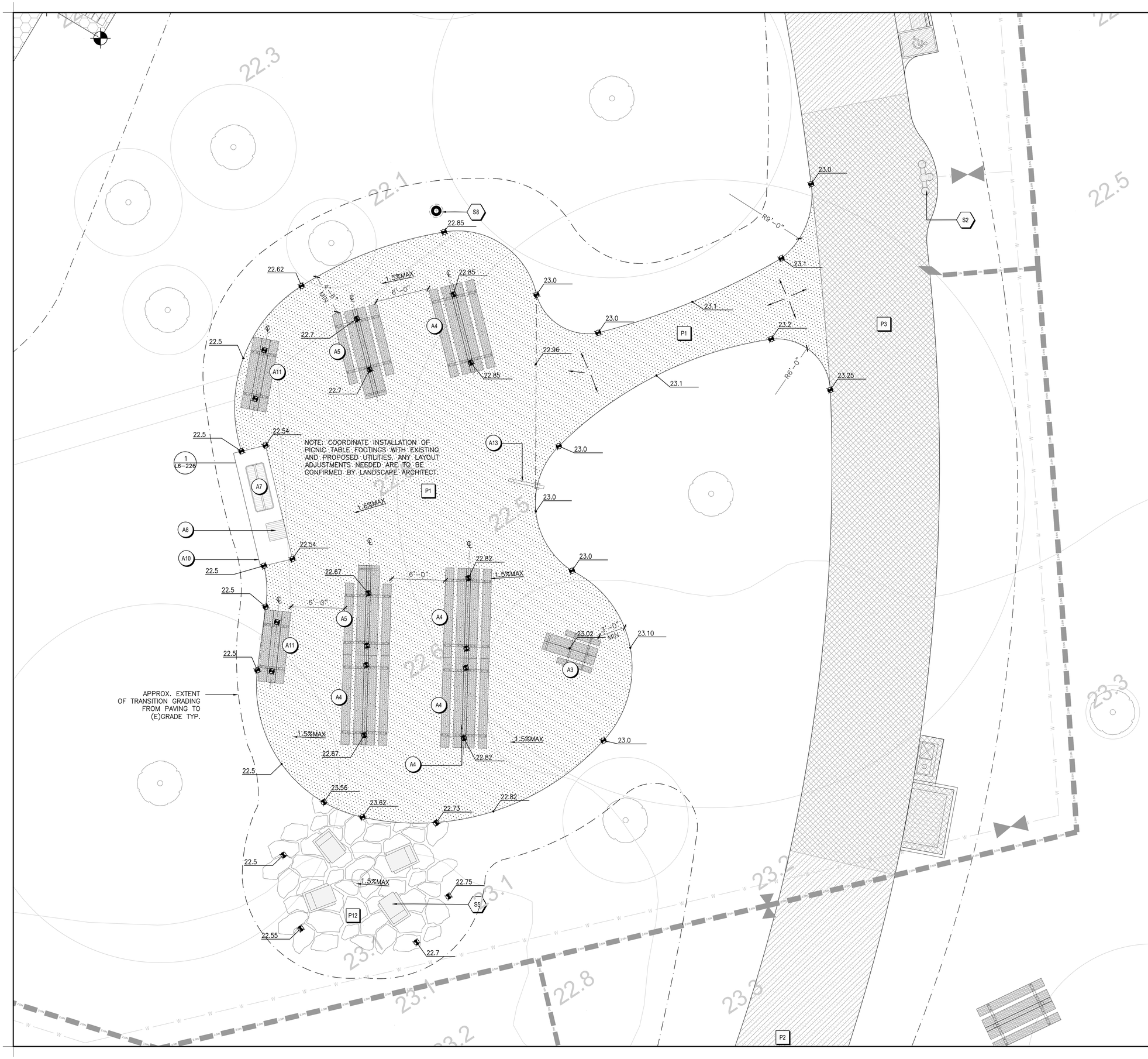
SHEET TITLE

RESERVABLE PICNIC AREA PLAN -MADRONE

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-E42



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
P3		ASPHALT PAVING –VEHICULAR AT TREE ZONE
P4		DETECTABLE WARNING STRIPS
P5		STABILIZED CRUSHED STONE PAVING
P6		TENNIS COURT PAVING AND SURFACING
P7		BASKETBALL COURT PAVING AND SURFACING
P8		PUMP TRACK
P9		VOLLEYBALL SAND
P10		CONCRETE CURB
P11		SYNTHETIC TURF
P12		FLAGSTONE PAVING
P13		GRAVEL MULCH
P14		ATHLETIC FIELD CONC. PERIMETER CURB

SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
S2		DRINKING FOUNTAIN
S3		WASTE RECEPTACLES
S4		BENCH
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES
S6		BIKE RACKS
S7		VEHICULAR CHAINLINK GATE
S8		WIFI POLE
S15		BIKE REPAIR STATION

PICNIC AREAS

TAG	SYMBOL	TYPE
A1		OAK PICNIC AREA STRUCTURES
A2		PICNIC TABLES (OAK PICNIC AREA)
A3		KIDS PICNIC TABLE
A4		STD. 8' PICNIC TABLE
A5		STD. 10' PICNIC TABLE
A6		NEW PEDESTAL GRILLS
A7		LARGE COUNTERTOP GRILLS
A8		SMALL COUNTERTOP GRILLS
A9		SINKS
A10		GRILL COUNTERS
A11		WOOD COUNTERS
A12		DUMPSTERS AND ENCLOSURES

GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	HP 24.25	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
D2		FIELD INFILTRATION TRENCH
D3		VOLLEYBALL UNDERDRAIN
D4		FIELD UNDERDRAIN
D5		SOLID PIPE
D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

1/4"=1'

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 2985
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

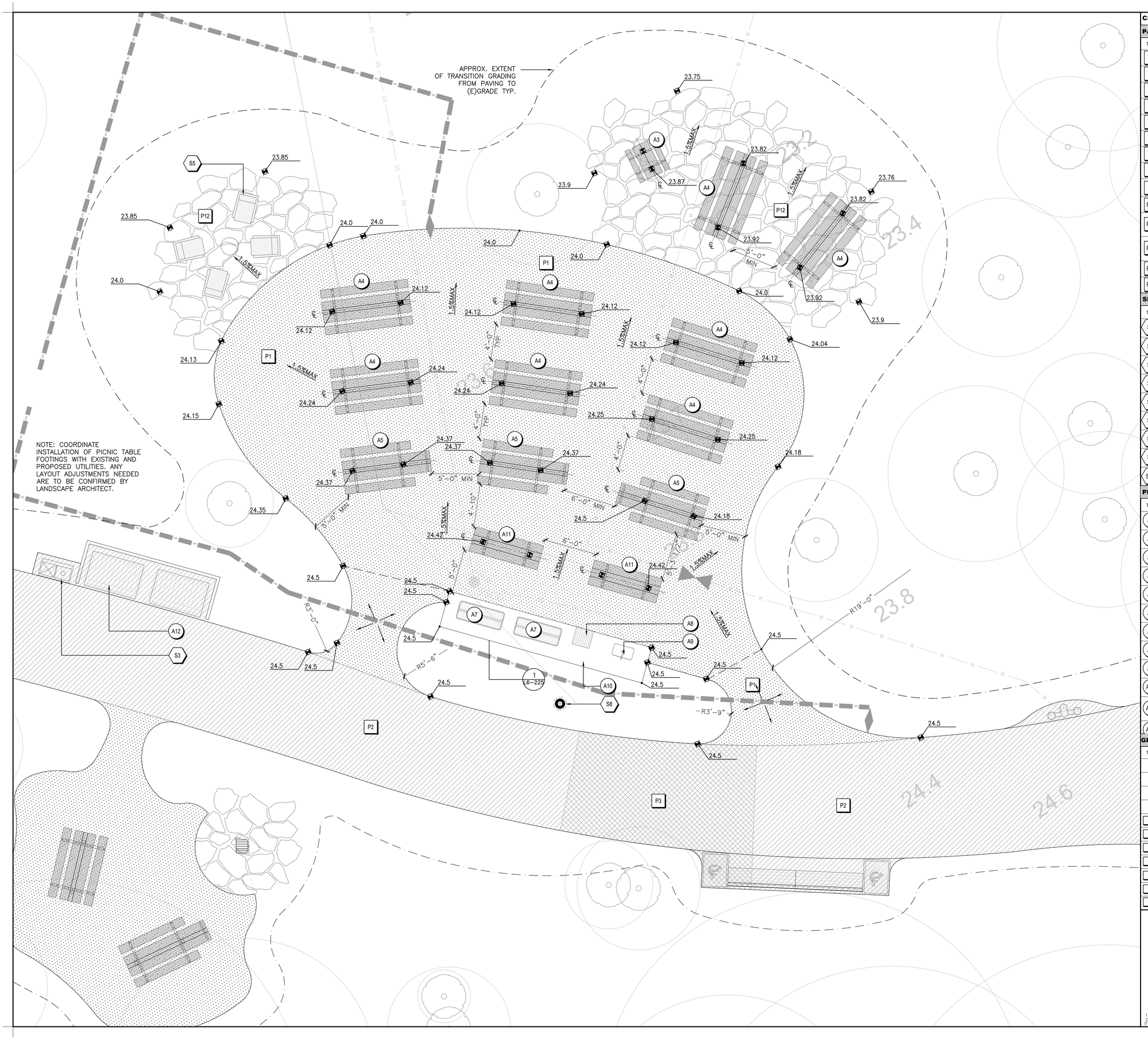
SHEET TITLE

RESERVABLE PICNIC AREA PLAN -REDWOOD

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-E43



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
P3		ASPHALT PAVING –VEHICULAR AT TREE ZONE
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P5		STABILIZED CRUSHED STONE PAVING
P6		TENNIS COURT PAVING AND SURFACING
P7		BASKETBALL COURT PAVING AND SURFACING
P8		PUMP TRACK
P9		VOLLEYBALL SAND
P10		CONCRETE CURB
P11		SYNTHETIC TURF
P12		FLAGSTONE PAVING
P13		GRAVEL MULCH
P14		ATHLETIC FIELD CONC. PERIMETER CURB

SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
S2		DRINKING FOUNTAIN
S3		WASTE RECEPTACLES
S4		BENCH
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES
S6		BIKE RACKS
S7		VEHICULAR CHAINLINK GATE
S8		WIFI POLE
S15		BIKE REPAIR STATION

PICNIC AREAS

TAG	SYMBOL	TYPE
A1		OAK PICNIC AREA STRUCTURES
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A10		GRILL COUNTERS
A11		WOOD COUNTERS
A12		DUMPSTERS AND ENCLOSURES

GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	HP 24.25	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
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D4		FIELD UNDERDRAIN
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D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

1/4"=1'

0 1 2 4 8

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415.495.3070
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OWNER/CLIENT

SAN MATEO COUNTY PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 4365
Signature
Revised Date
Revised Date
Date
STATE OF CALIFORNIA

PHASE

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NO.	ISSUE	DATE
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2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

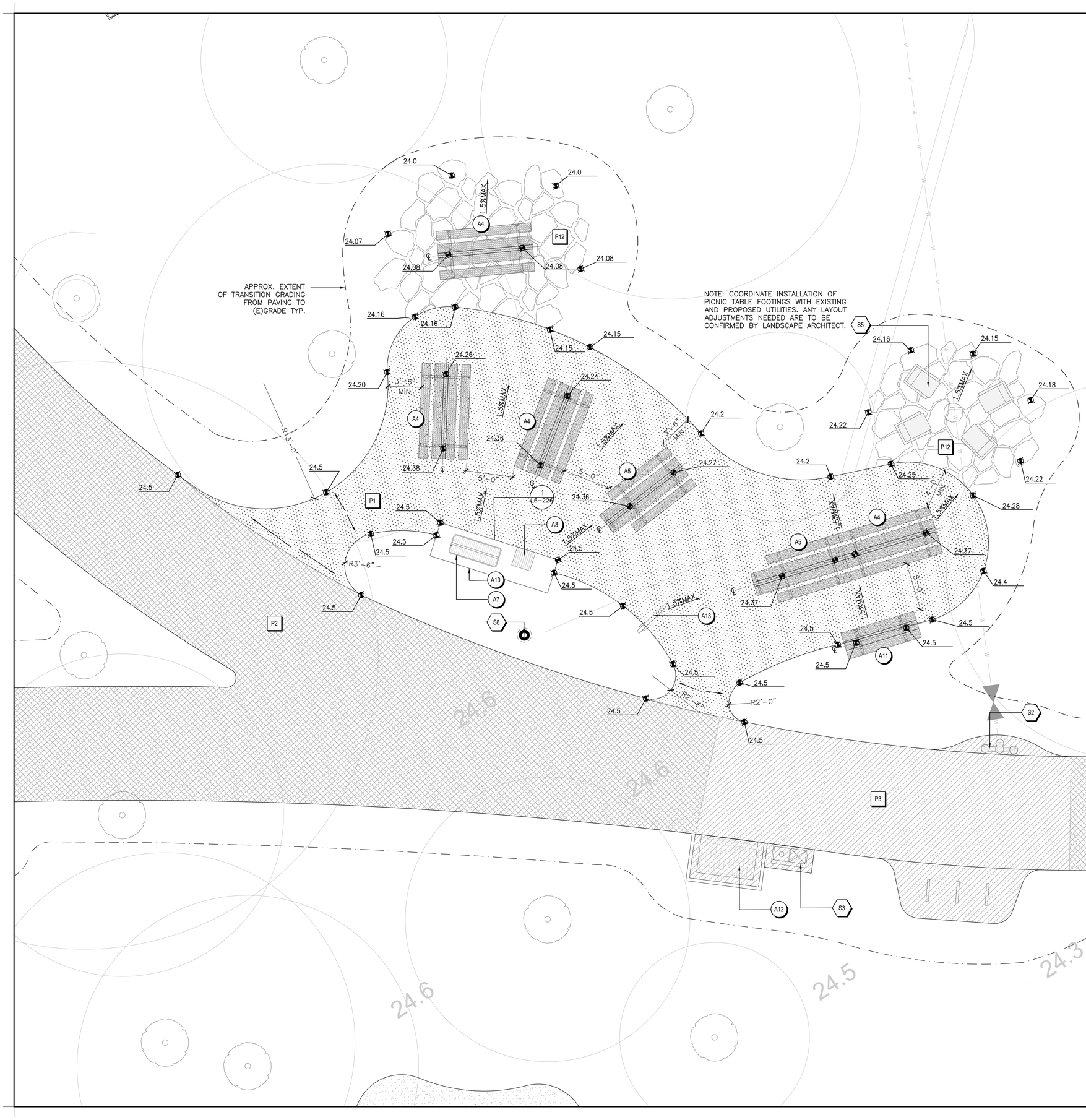
SHEET TITLE

RESERVABLE PICNIC AREA PLAN - MAPLE

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-E44



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
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SITE ELEMENTS

TAG	SYMBOL	TYPE
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D7		BTA BUBBLE UP

1/4"=1'
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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHERYL M. QUILLMAN
No. 5120
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

RESERVABLE PICNIC AREA PLAN - PINE

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-E45



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
P3		ASPHALT PAVING –VEHICULAR AT TREE ZONE
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A11		WOOD COUNTERS
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GRADING & DRAINAGE SCHEDULE

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		GRADE BREAK
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D4		FIELD UNDERDRAIN
D5		SOLID PIPE
D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLEN
No. 6065
Signature Not Valid
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST.LLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

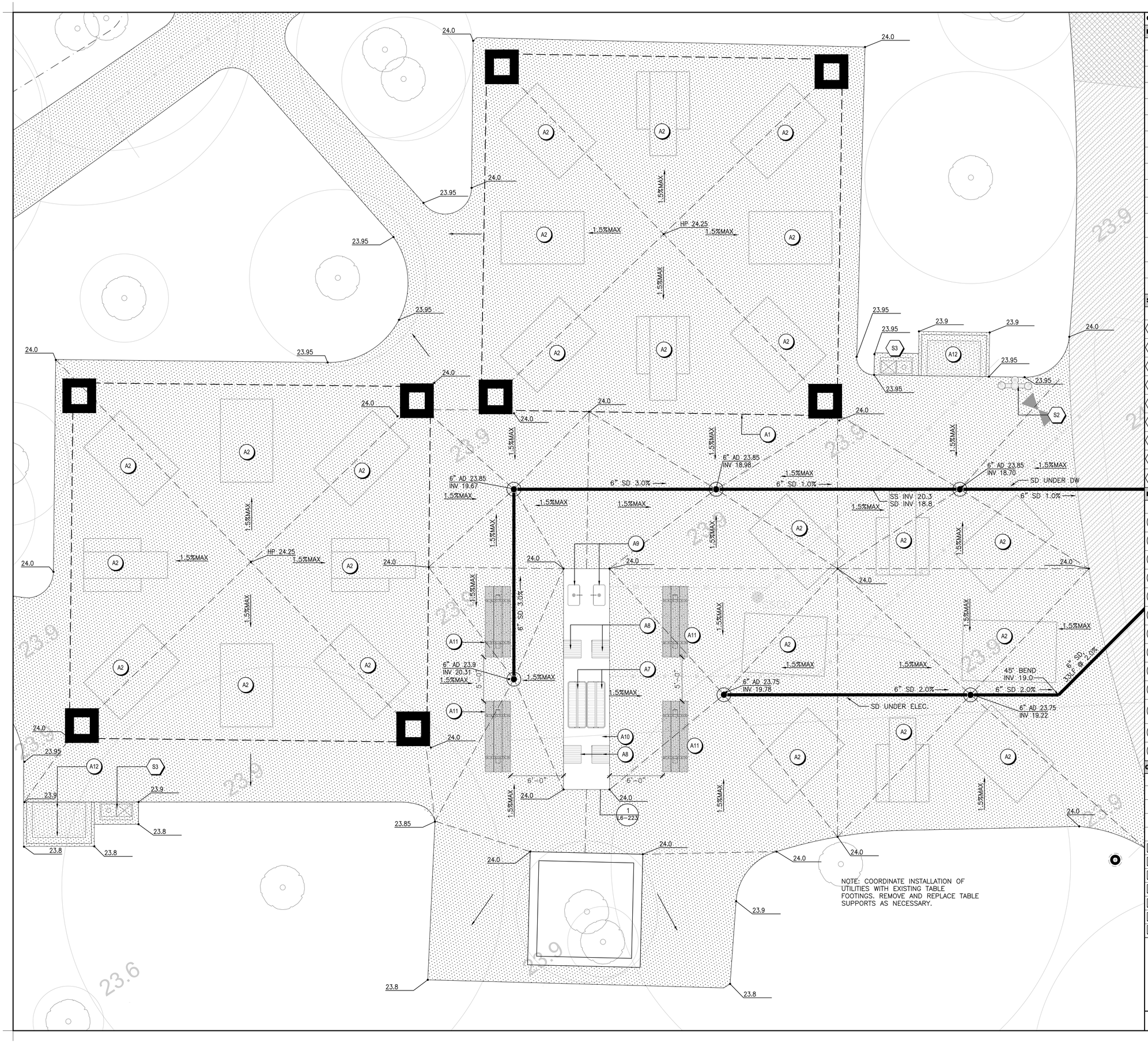
SHEET TITLE

RESERVABLE PICNIC AREA PLAN - BAY

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-E46



CSM 2101 - MATERIALS SCHEDULE

PAVING

TAG	SYMBOL	TYPE
P1		ASPHALT PAVING –PEDESTRIAN
P2		ASPHALT PAVING –VEHICULAR
P3		ASPHALT PAVING –VEHICULAR AT TREE ZONE
P4		DETECTABLE WARNING STRIPS
P5		STABILIZED CRUSHED STONE PAVING
P6		TENNIS COURT PAVING AND SURFACING
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P8		PUMP TRACK
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P10		CONCRETE CURB
P11		SYNTHETIC TURF
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P13		GRAVEL MULCH
P14		ATHLETIC FIELD CONC. PERIMETER CURB

SITE ELEMENTS

TAG	SYMBOL	TYPE
S1		SPECTATOR SEATING
S2		DRINKING FOUNTAIN
S3		WASTE RECEPTACLES
S4		BENCH
S5		ADIRONDACK CHAIRS AND RECLAIMED LOG TABLES
S6		BIKE RACKS
S7		VEHICULAR CHAINLINK GATE
S8		WIFI POLE
S15		BIKE REPAIR STATION

PICNIC AREAS

TAG	SYMBOL	TYPE
A1		OAK PICNIC AREA STRUCTURES
A2		PICNIC TABLES (OAK PICNIC AREA)
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A9		SINKS
A10		GRILL COUNTERS
A11		WOOD COUNTERS
A12		DUMPSTERS AND ENCLOSURES
A13		PINATA HANGERS (N.I.C)

GRADING & DRAINAGE SCHEDULE

TAG	SYMBOL	TYPE
	SLOPE	SLOPE
	HP 24.25	SPOT ELEVATION
		GRADE BREAK
		EXTENT OF TRANSITION GRADING
D1		SLOT DRAIN
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D6		AREA DRAIN IN PAVING & PLANTING
D7		BTA BUBBLE UP

1/4"=1' (0, 1, 2, 4, 8) N

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHARLES M. GUILLAUD
No. 5165
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

RESERVABLE PICNIC AREA PLAN - OAK

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-E47

TREE PLANTING SCHEDULE

SYMBOL	LATIN NAME	COMMON NAME	SIZE	QTY	FORM	STAKE / ROD	IRRIGATION TYPE
AES CAL	AESCULUS CALIFORNICA	CALIFORNIA BUCKEYE	36" BOX	6	MULTI.	TBD AFTER PROCUREMENT	CONTRACTOR IS RESPONSIBLE FOR MANUALLY WATERING TREES BY HAND. DEEP WATER TREES MIN. ONCE PER WEEK DURING ESTABLISHMENT PERIOD; AND PROVIDE GATOR BAGS W/ POTABLE WATER DURING ESTABLISHMENT PERIOD. CONTRACTOR TO REVISE WATERING REGIMENT AT SOLE DISCRETION OF LANDSCAPE ARCHITECT AND PROJECT ARBORIST.
	CALOCEDRUS DECURRENS	INCENSE CEDAR	15 GAL	7	STD.	TBD AFTER PROCUREMENT	
	CEANOTHUS THYRSIFLORUS	BLUEBLOSSOM CEANOTHUS	15 GAL	10	MULTI.	TBD AFTER PROCUREMENT	
CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	24" BOX	6	MULTI.	TBD AFTER PROCUREMENT	
	HETEROMELES ARBUTIFOLIA	TOYON	15 GAL	7	MULTI.	TBD AFTER PROCUREMENT	
JUG HIN	JUGLANS HINDSII	N. CALIFORNIA WALNUT	48" BOX	3	STD.	TBD AFTER PROCUREMENT	
	LYONOTHAMNUS FLORIBUNDUS	CATALINA IRONWOOD	15 GAL	6	STD.	TBD AFTER PROCUREMENT	
			48" BOX	1	STD.	TBD AFTER PROCUREMENT	
	PRUNUS ILLICIFOLIA	HOLLYLEAF CHERRY	15 GAL	3	STD.	TBD AFTER PROCUREMENT	
QU ENG	QUERCUS ENGELMANNII	ENGELMANN OAK	36" BOX	2	STD.	TBD AFTER PROCUREMENT	
QU LOB	QUERCUS LOBATA	VALLEY OAK	24" BOX	2	STD.	TBD AFTER PROCUREMENT	
QU OBLO	QUERCUS OBLONGIFOLIA	MEXICAN BLUE OAK	24" BOX	1	STD.	TBD AFTER PROCUREMENT	
QU RUG	QUERCUS RUGOSA	NETLEAF OAK	48" BOX	1	STD.	TBD AFTER PROCUREMENT	
			36" BOX	1	STD.	TBD AFTER PROCUREMENT	
QU TOM	QUERCUS TOMENTELLA	ISLAND OAK	36" BOX	2	STD.	TBD AFTER PROCUREMENT	
QU COMP	QUERCUS X COMPTONIAE	COMPTON OAK	48" BOX	2	STD.	TBD AFTER PROCUREMENT	
			36" BOX	2	STD.	TBD AFTER PROCUREMENT	
	SAMBUCUS NIGRA	BLACK ELDERBERRY	15 GAL	10	MULTI.	TBD AFTER PROCUREMENT	

TREE LEGEND - NEW

TREE LEGEND - TRANSPLANT

LANDSCAPE SOIL NOTES

1. SOIL TESTING IS REQUIRED OF BOTH SUB-GRADE AND TOPSOIL CONDITIONS FOR HORTICULTURE SUITABILITY AND DEVELOPMENT OF THE SITE SOILS PLAN.

PLANTING NOTES

1. LANDSCAPE AREAS INCLUDE TREE MULCH RINGS FOR NEW TREES. PROVIDE MULCH RINGS AT ALL NEW AND EXISTING TREES PER DETAILS.
2. PROVIDE AN ALLOWANCE FOR ADDITIONAL PLANT MATERIAL TO ADDRESS FIELD ADJUSTMENTS DURING CONSTRUCTION AND REPLACEMENT DURING THE WARRANTY PERIOD. REFER TO SPECIFICATIONS FOR ALLOWANCE.

WELO NOTES

1. REFER TO IRRIGATION DRAWINGS FOR WELO COMPLIANCE.

UNDERSTORY PLANTING SCHEDULE

SYMBOL	TAG	SPECIES	SIZE	PERCENT AREA	SPACING	WELO WATER USE	SOILS	IRRIGATION TYPE
EXISTING LAWN AREA REHABILITATION								
	PA-01	FESTUCA RUBRA 'MOLATE' @ 150 LBS/AC. FESTUCA IDAHOENSIS @ 150 LBS/AC SOURCE: PACIFIC COAST SEED				--	DRAG SMOOTH TO REMOVE ANY GROUND SQUIRREL HOLES AND ANY IRREGULARITIES TO CREATE CONTINUOUS, EVENLY GRADED SURFACE. TOP DRESS AND OVERSEED ENTIRE AREA.	HAND WATERING OR TEMPORARY IRRIGATION FOR ESTABLISHMENT
STORMWATER TREATMENT PLANTING								
	PA-02	ASCLEPIAS CALIFORNICA	1 Gal	10%	24" OC	L	18" IMPORTED BIOTREATMENT SOIL MIX OVER 12" OF CLASS II PERMABLE BASE ROCK.	SPRAY
		IRIS DOUGLASIA	1 Gal	20%	36" OC			
		RIBES SANGUINEUM	5 Gal	12 TOTAL	FIELD SITED			
		SALVIA SPATHECEA	1 Gal	30%	24" OC			
		ZAUSCHNERIA CALIFORNICA	1 Gal	40%	24" OC			
REDWOOD REHAB MIX - SHADE								
SHRUBS								
	PA-03	FRANGULA CALIFORNIA 'MOUND SAN BRUNO'	5 Gal	25	FIELD SITED	L	AMENDMENT OF SOILS WITHIN PLANTING PITS. MULCH ALL PLANTED AREAS W/ 3" DEEP ARBORIST CHIPS – SOURCE FROM COUNTY PARKS.	SPRAY
		BERBERIS NERVOSA	5 Gal	50	FIELD SITED	M		
		ARCTOSTAPHYLOS UVA-URSI 'POINT REYES'	5 Gal		24" OC	L		
PERENNIALS								
	PA-03	POLYSTICHUM MUNITUM	5 Gal	40%	24" OC	M		
		WOODWARDIA FRIMBIATA	5 Gal	60%	36" OC	M		
REDWOOD REHAB MIX - SUN								
SHRUBS								
	PA-04	FRANGULA CALIFORNIA 'MOUND SAN BRUNO'	5 Gal	30	FIELD SITED	L	AMENDMENT OF SOILS WITHIN PLANTING PITS. MULCH ALL PLANTED AREAS W/ 3" DEEP ARBORIST CHIPS – SOURCE FROM COUNTY PARKS.	SPRAY
		BERBERIS NERVOSA	5 Gal	50	FIELD SITED	M		
		ARCTOSTAPHYLOS DENSIFLORA 'HOWARD MCMINN'	10 Gal	9	FIELD SITED	L		
		CEANOTHUS GLORIOSUS 'ANCHOR BAY'	5 Gal		24" OC	L		
		ARCTOSTAPHYLOS UVA-URSI 'POINT REYES'	5 Gal		24" OC	L		
PERENNIALS								
	PA-04	POLYSTICHUM MUNITUM	5 Gal	60%	24" OC	M		
		WOODWARDIA FRIMBIATA	5 Gal	40%	36" OC	M		
PERENNIAL MEADOW - FORBS								
	PA-05A	BROMUS CARINATUS @ 12 LBS/AC ELYMUS GLAUCUS @ 10 LBS/AC FESTUCA MICROSTACHYS @ 6 LBS/AC STIPA PULCHRA @ 4 LBS/AC STIPA CERNUA @ 4 LBS/AC ACHILLEA MILLEFOLIUM @ 1 LBS/AC CLARKIA PURPUREA @ 1.5 LBS/AC GRINDELIA STRICTA @ 1.5 LBS/AC ERIOPHYLLUM CONFERTIFLORUM @ 0.5 LBS/AC ESCHSCHOLCIA CALIFORNICA @ 1.5 LBS/AC PHACELIA CALIFORNICA @ 2 LBS/AC COLLINSIA HETEROPHYLLA @ 2 LBS/AC MONARDELLA VILLOSA @ 2 LBS/AC LUPINIS SUCCULENTUS @ 5 LBS/AC SOURCE: PACIFIC COAST SEED				L	CLEAR & GRUB ALL AREAS TO DEPTH OF 2 INCHES BELOW EXISTING GRADE. RAKE AND DRAG ALL REMAINING SOILS AND REMOVE DEBRIS. DO NOT CLEAR AREAS WITHIN THE STRUCTURAL ROOT ZONE OF EXISTING TREES. APPLY PRE-EMERGENT HERBICIDE ACCORDING TO SPECIFICATIONS. FILL ALL GROUND SQUIRREL HOLES AND OTHER DEPRESSIONS FOR SMOOTH CONTINUOUS SURFACE. REPLACE REMOVED MATERIAL WITH SALVAGED AND/OR IMPORT TOPSOIL TO MATCH GRADES PRIOR TO CLEARING AND GRUBING. APPLY TOPDRESS AMENDMENT AND FERTILIZER SPECIFICATIONS PER SOIL TESTING LAB RECOMMENDATIONS. BROADCAST SEED, RAKE IN, MULCH, & WET. MONITOR IRRIGATION SYSTEM, SPRAY DISTRIBUTION, AND SOIL MOISTURE DAILY.	SPRAY
PERENNIAL MEADOW - GRASSLAND								
	PA-05B	BROMUS CARINATUS @ 12 LBS/AC ELYMUS GLAUCUS @ 10 LBS/AC FESTUCA MICROSTACHYS @ 6 LBS/AC STIPA PULCHRA @ 4 LBS/AC STIPA CERNUA @ 4 LBS/AC CLARKIA PURPUREA @ 1.5 LBS/AC GRINDELIA STRICTA @ 1.5 LBS/AC ESCHSCHOLZIA CALIFORNICA @ 1.5 LBS/AC SOURCE: PACIFIC COAST SEED				L	CLEAR & GRUB ALL AREAS TO DEPTH OF 2 INCHES BELOW EXISTING GRADE. RAKE AND DRAG ALL REMAINING SOILS AND REMOVE DEBRIS. REMOVE AND DISPOSE OF ALL MATERIAL. DO NOT CLEAR AREAS WITHIN THE STRUCTURAL ROOT ZONE OF EXISTING TREES. APPLY PRE-EMERGENT HERBICIDE ACCORDING TO SPECIFICATIONS. FILL ALL GROUND SQUIRREL HOLES AND OTHER DEPRESSIONS FOR SMOOTH CONTINUOUS SURFACE. REPLACE REMOVED MATERIAL WITH SALVAGED AND/OR IMPORT TOPSOIL TO MATCH GRADES PRIOR TO CLEARING AND GRUBING. APPLY TOPDRESS AMENDMENT AND FERTILIZER SPECIFICATIONS PER SOIL TESTING LAB RECOMMENDATIONS. BROADCAST SEED, RAKE IN, MULCH, & WET. MONITOR IRRIGATION SYSTEM, SPRAY DISTRIBUTION, AND SOIL MOISTURE DAILY.	SPRAY
RED FESCUE								
	PA-06	FESTUCA RUBRA 'MOLATE' @ 150 LBS/AC FESTUCA IDAHOENSIS @ 150 LBS/AC SOURCE: PACIFIC COAST SEED				L	DRAG SMOOTH TO REMOVE ANY GROUND SQUIRREL HOLES AND ANY IRREGULARITIES TO CREATE CONTINUOUS, EVENLY GRADED SURFACE. OVERSEED ENTIRE AREA. IN LOCATIONS WHERE DEMOLITION LOWERS EXISTING GRADES REPLACE W/ TOPSOIL TO MATCH ADJACENT GRADES. APPLY TOPDRESS AMENDMENT AND FERTILIZER SPECIFICATIONS AND SOIL TESTING LAB RECOMMENDATIONS. BROADCAST SEED, RAKE IN, STRAW MULCH, & WET. ROUGH & FINE GRADE.	HAND WATERING OR TEMPORARY IRRIGATION FOR ESTABLISHMENT
TRANSPLANT TREES								
		TAG# SPEC.						
		LOCATION OF TREES TO BE TRANSPLANTED					PREPARE SOIL PITS PER TRANSPLANT SPECIALIST GUIDELINES & APPROVALS BY COUNTY ARBORIST. APPLY AMENDEMENTS AND FERTILIZER SPECIFICATIONS PER SOIL TESTING LAB RECOMMENDATIONS.	HAND WATERING OR TEMPORARY IRRIGATION FOR ESTABLISHMENT

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

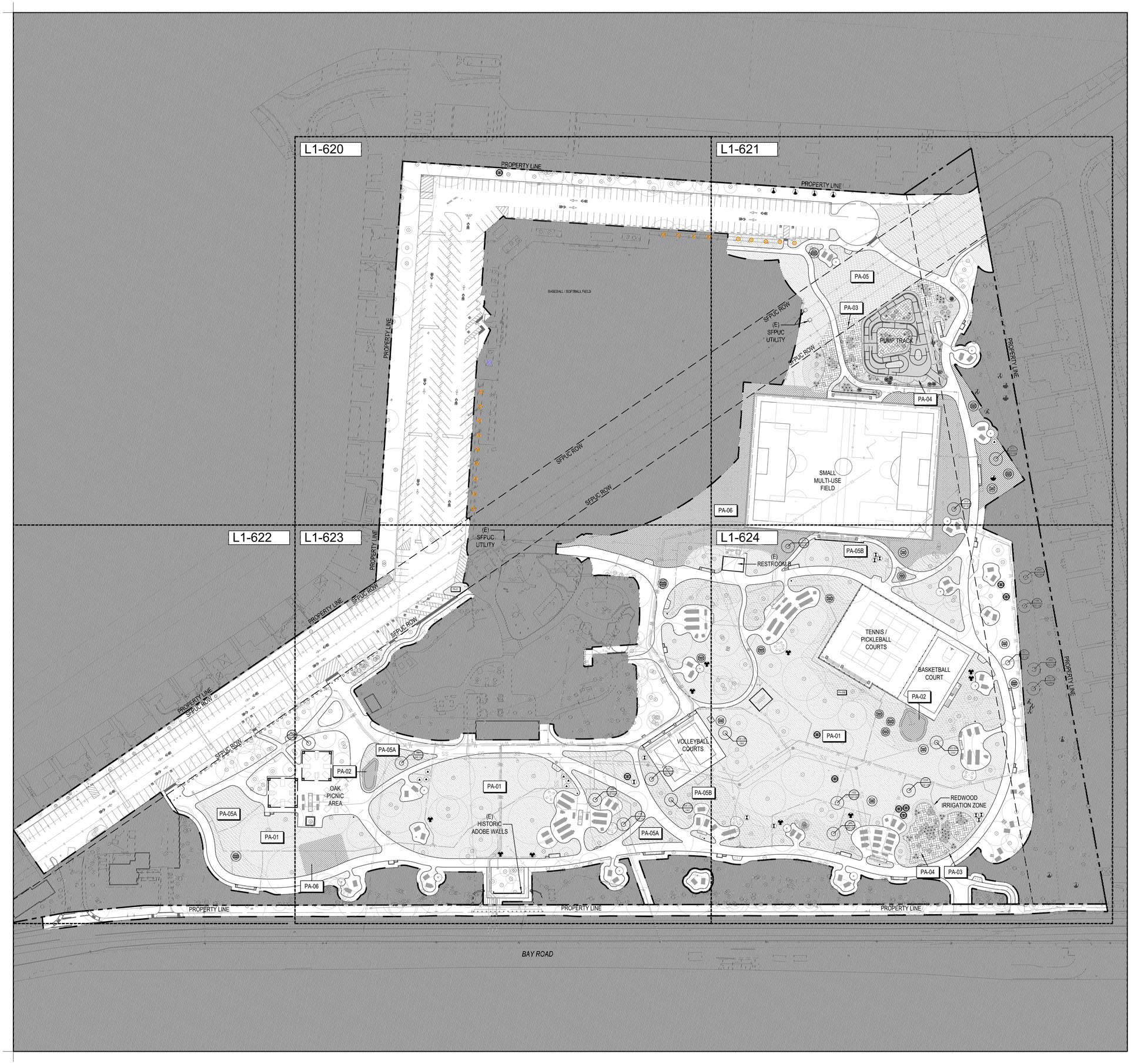
SHEET TITLE

UNDERSTORY PLANTING SCHEDULE

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L1-600



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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLEN
No. 6132
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (25%)	07.18.22
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2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MAUER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

UNDERSTORY OVERALL PLANTING PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 50'-0"	CG, AMP

SHEET NUMBER

L1-610



UNDERSTORY PLANTING SCHEDULE		
SYMBOL	TAG	SEE L1-600
EXISTING LAWN AREA REHABILITATION		
	PA-01	
STORMWATER TREATMENT PLANTING		
	PA-02	
REDWOOD REHAB MIX - SHADE		
SHRUBS		
	PA-03	
PERENNIALS		
	PA-03	
REDWOOD REHAB MIX - SUN		
SHRUBS		
	PA-04	
PERENNIALS		
	PA-04	
PERENNIAL MEADOW - FORBS		
	PA-05A	
PERENNIAL MEADOW - GRASSLAND		
	PA-05B	
RED FESCUE		
	PA-06	
TRANSPLANT TREES		

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
JEFFREY M. GUILLON
No. 5748
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
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	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
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2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST. LUMA
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

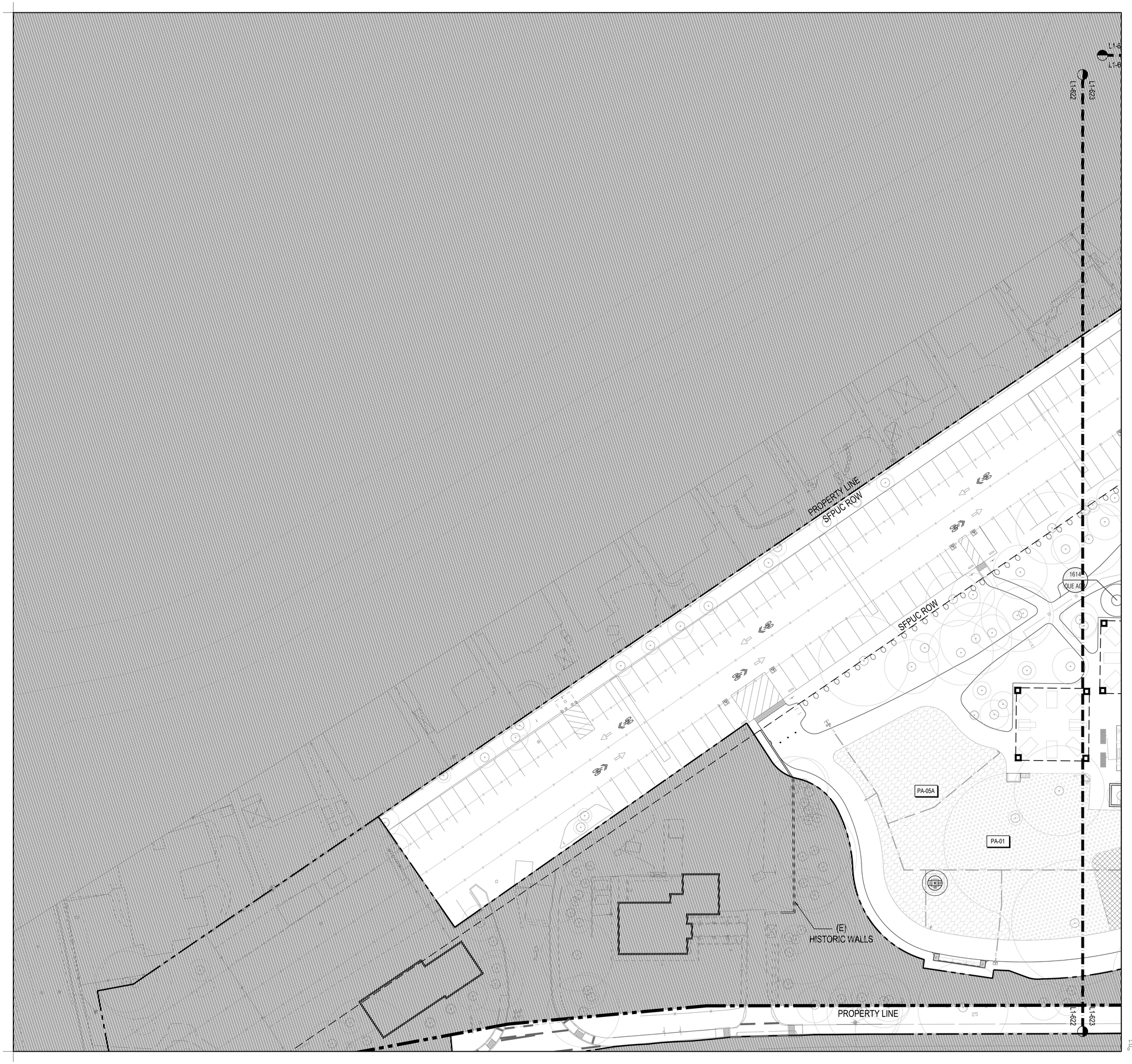
SHEET TITLE

UNDERSTORY ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-621



UNDERSTORY PLANTING SCHEDULE		
SYMBOL	TAG	SEE L1-600
EXISTING LAWN AREA REHABILITATION		
	PA-01	
STORMWATER TREATMENT PLANTING		
	PA-02	
REDWOOD REHAB MIX - SHADE		
SHRUBS		
	PA-03	
PERENNIALS		
	PA-03	
REDWOOD REHAB MIX - SUN		
SHRUBS		
	PA-04	
PERENNIALS		
	PA-04	
PERENNIAL MEADOW - FORBS		
	PA-05A	
PERENNIAL MEADOW - GRASSLAND		
	PA-05B	
RED FESCUE		
	PA-06	

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
ANNE MARIE O'CALLAGHAN
No. 5906
Signature
Renewal Date: 08/31/2024
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
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	PHASE 1 - 90% PS&E	12.09.22
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	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

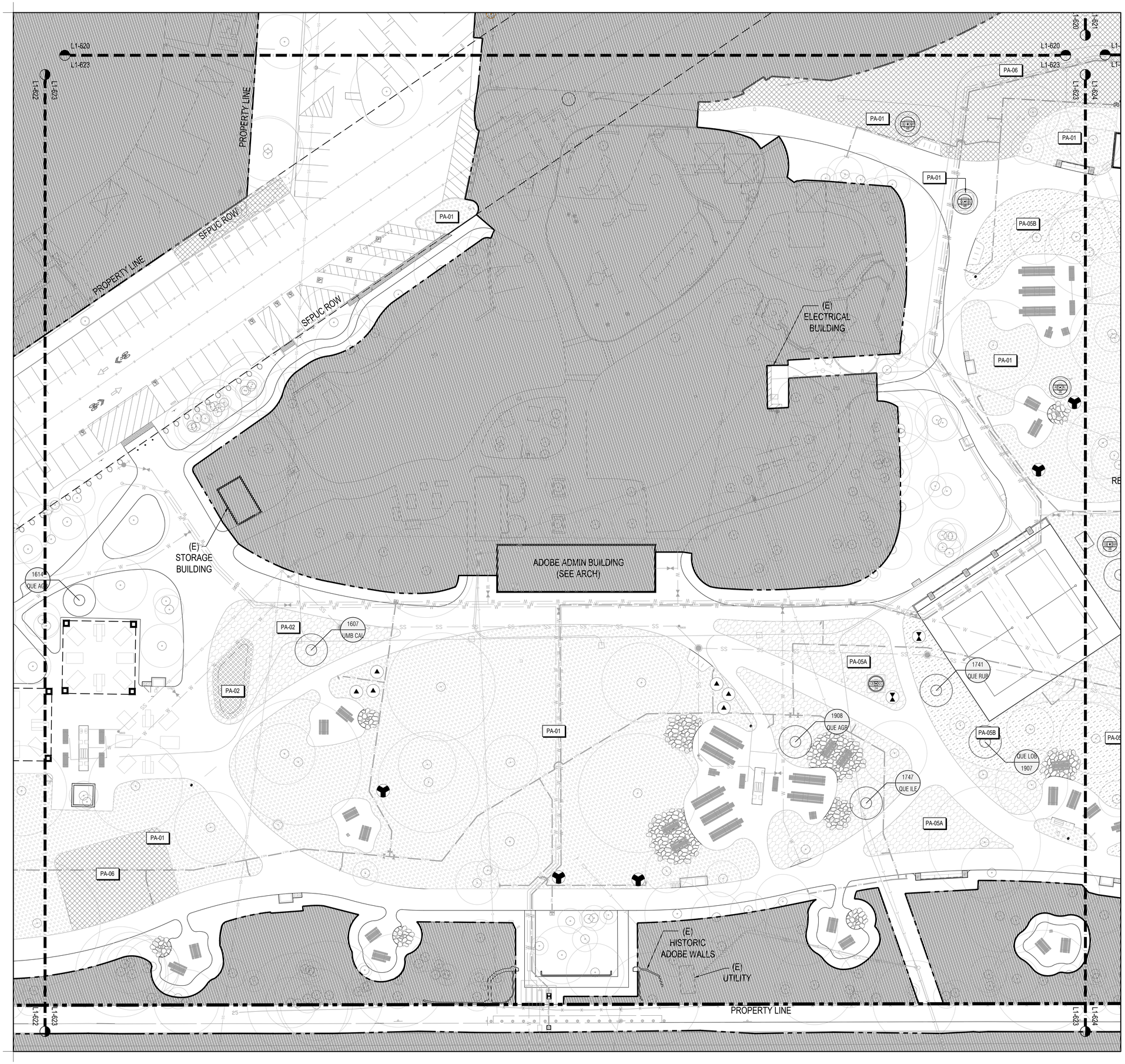
SHEET TITLE

UNDERSTORY ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-622



UNDERSTORY PLANTING SCHEDULE		
SYMBOL	TAG	SEE L1-600
EXISTING LAWN AREA REHABILITATION		
	PA-01	
STORMWATER TREATMENT PLANTING		
	PA-02	
REDWOOD REHAB MIX - SHADE		
SHRUBS		
	PA-03	
PERENNIALS		
	PA-03	
REDWOOD REHAB MIX - SUN		
SHRUBS		
	PA-04	
PERENNIALS		
	PA-04	
PERENNIAL MEADOW - FORBS		
	PA-05A	
PERENNIAL MEADOW - GRASSLAND		
	PA-05B	
RED FESCUE		
	PA-06	
TRANSITIONAL TREES		

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SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
REGISTERED
No. 6432
Signature
Renewal Date: 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

UNDERSTORY ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-623

L1-620 L1-621 L1-623 L1-624 L1-621 L1-624 L1-623 L1-624 L1-623 L1-624

PA-01 (N) RESTROOM B 2125 KOE BIP PA-06 PA-05B PA-01 PA-05B PA-01 PA-01 (N) RESTROOM C PA-01 PA-05B PA-05A PA-02 PA-05B PA-01 PA-05B PA-05A PA-05A PA-04 PA-01

QUE LOB 1660 SEQ SEM 2101 2119 QUE LOB 1652 QUE LOB 1956 QUE LOB 2126 QUE RUB 1906 QUE AGR 1921 QUE AGR 1905 QUE LOB 1923 ARB MAR

PROPERTY LINE PROPERTY LINE

L1-623 L1-624

1"=20'
0 5 10 20 40

UNDERSTORY PLANTING SCHEDULE		
SYMBOL	TAG	SEE L1-600
EXISTING LAWN AREA REHABILITATION		
	PA-01	
STORMWATER TREATMENT PLANTING		
	PA-02	
REDWOOD REHAB MIX - SHADE		
SHRUBS		
	PA-03	
PERENNIALS		
	PA-03	
REDWOOD REHAB MIX - SUN		
SHRUBS		
	PA-04	
PERENNIALS		
	PA-04	
PERENNIAL MEADOW - FORBS		
	PA-05A	
PERENNIAL MEADOW - GRASSLAND		
	PA-05B	
RED FESCUE		
	PA-06	
STRAWBERRY TREES		

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
STEPHEN W. QUILLMAN
No. 5385
Signature
Renewal Date: 08/31/2025
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

UNDERSTORY ENLARGEMENT PLAN

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
1"= 20'-0"	CG, AMP

SHEET NUMBER

L1-624

IRRIGATION NOTES

1. 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.

2. 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.

3. 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.

4. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.

5. DURING THE SPECIFIED MAINTENANCE PERIOD, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROGRAM THE IRRIGATION CONTROLLER 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.

6. IT IS THE RESPONSIBILITY OF A LICENSED ELECTRICAL CONTRACTOR TO PROVIDE 120 VOLT A.C. (2.5 AMP DEMAND PER CONTROLLER) ELECTRICAL SERVICE TO THE CONTROLLER LOCATION(S). IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO COORDINATE THE ELECTRICAL SERVICE STUB-OUT TO THE CONTROLLER(S). PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S INSTRUCTIONS AND IN ACCORDANCE WITH LOCAL CODES.

7. PROVIDE EACH CONTROLLER WITH ITS OWN GROUND ROD. SEPARATE THE GROUND RODS BY A MINIMUM OF EIGHT FEET. THE GROUND ROD SHALL BE AN EIGHT FOOT LONG BY 5/8" DIAMETER U.L. APPROVED COPPER CLAD ROD. INSTALL NO MORE THAN 6" OF THE GROUND ROD ABOVE FINISH GRADE. CONNECT #6 GAUGE WIRE WITH A U.L. APPROVED GROUND ROD CLAMP TO ROD AND BACK TO GROUND SCREW AT BASE OF CONTROLLER WITH APPROPRIATE CONNECTOR. MAKE THIS WIRE AS SHORT AS POSSIBLE, AVOIDING KINKS OR BENDING.

8. INSTALL NEW BATTERIES IN THE IRRIGATION CONTROLLER(S) TO RETAIN PROGRAM IN MEMORY DURING TEMPORARY POWER FAILURES. USE QUANTITY, TYPE AND SIZE REQUIRED AS PER CONTROLLER MANUFACTURER'S INSTRUCTIONS.

9. SCHEDULE A MEETING WHICH INCLUDES REPRESENTATIVES OF THE IRRIGATION CONTROLLER MANUFACTURER, THE MAINTENANCE CONTRACTOR, THE OWNER AND THE IRRIGATION CONTRACTOR AT THE SITE FOR INSTRUCTION ON THE PROPER PROGRAMMING AND OPERATION OF THE IRRIGATION CONTROLLER.

10. INSTALL 3" DETECTABLE TAPE ABOVE ALL PRESSURIZED MAIN LINES AS DETAILED. USE CHRISTY MODEL #TA-DT-3-BIRR FOR POTABLE IRRIGATION SYSTEMS IRRIGATION WATER SYSTEMS OR APPROVED EQUAL.

11. INSTALL 2-WIRE CABLE ALONG THE MAIN LINE. CONTACT CONTROLLER REPRESENTATIVE FOR A PRE-CONSTRUCTION MEETING.

12. INSTALL 2-WIRE CABLE WITHIN 1.25" CONDUIT WITH LONG SWEEPS IN AND OUT OF EACH VALVE BOX. SEAL ALL CONDUIT OPENINGS WITH WATERPROOF FOAM.

13. INSTALL A 14"X19" GREY ELECTRICAL PULL BOX EVERY 200' AND AT EVERY CHANGE IN DIRECTION. ONLY SPLICE TWO WIRE CABLE AT THREE WAY WIRE CONNECTIONS.

14. IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. SIZE #14AWG WIRE WITH A JACKETED 2-CONDUCTOR. PREFERRED WIRE MAKE AND MODEL IS THE PAIGE IRRIGATION WIRE, SPEC P7072D. ALL SPLICING SHALL BE MADE WITH 3-M DBR/Y-6 WATERPROOF SPLICE KIT.

15. DECODER GROUNDING SHALL BE PROVIDED EVERY 600 FEET , AT THE CONTROLLER AND AT THE LAST DECODER OR AT THE END OF THE 2 WIRE PATH., (ANY SPUR OVER 50 FEET AND AT THE ENDS OF COMMUNICATION WIRE PATHS) . GROUND WITH A 5/8" X 8' COPPER CLAD GROUNDING ROD. #6 COPPER WIRE TO SURGE DEVICE/DECODER. INCLUDE A SURGE ARRESTOR AT EACH GROUNDING LOCATION. A SPLIT BOLT CONNECTION TO BE USED TO CONNECT THE SURGE DEVICE TO THE GROUND WIRE WITH A DBR/Y-6 WATERPROOF CONNECTOR.

16. SPLICING OF JACKETED 2-WIRE IS PERMITTED IN VALVE BOXES ONLY. LEAVE A 24" LONG COIL OF WIRE AT EACH SPLICE AND A 24" LONG EXPANSION LOOP IN ALL PULL BOXES.

17. VALVE BOXES IN TURF AREAS: INSTALL GREEN PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION CONTROL VALVE". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURER'S INCLUDE NDS, CARSON OR APPROVED EQUAL.

18. VALVE BOXES WITHIN PLANTED AREA WITH MULCH: INSTALL BLACK PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION CONTROL VALVE". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURER'S INCLUDE NDS, CARSON OR APPROVED EQUAL.

19. 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.

20. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS (AVOID LAWN AREAS WHERE POSSIBLE).

21. 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.

22. 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.

23. SET SPRINKLER HEADS PERPENDICULAR TO FINISH GRADE.

24. LOCATE BUBBLERS ON UPHILL SIDE OF PLANT OR TREE.

25. INSTALL A HUNTER HCV SERIES, KBI CV SERIES, OR APPROVED EQUAL SPRING LOADED CHECK VALVE IN SPRINKLER RISER ASSEMBLIES WHERE LOW OUTLET DRAINAGE WILL CAUSE EROSION AND/OR EXCESS WATER.

26. 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.

27. NOTIFY LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.

28. THE IRRIGATION 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.

29. IRRIGATION DEMAND: REFER TO PLANS.

30. 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.

31. PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL #5 OR APPROVED EQUAL.

32. 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.

33. 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.

34. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLEMENTAL HAND WATERING OF ALL PLANT MATERIAL WITHIN DRIPLINE AREAS UNTIL THE PLANTS ARE SUFFICIENTLY ESTABLISHED.

35. 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 Consultant:
Russell D. Mitchell Associates, Inc.
2760 Camino Diablo
Walnut Creek, CA 94597
tel 925.939.3985 ♦ fax 925.932.5671
www.rmairrigation.com

IRRIGATION LEGEND

SYMBOL	MODEL NUMBER	DESCRIPTION	NOZZLE GPM	OPERATING PSI	OPERATING RADIUS (FEET)
	TS171V-02-16/ 880-04-01	TORO VALVE-IN-HEAD ROTOR WITH HARCO DI SWING JOINT (ARTIFICIAL TURF)	127	70	115-120
	I-20-12/MPR-25	HUNTER POP-UP GEAR DRIVEN ROTOR (SHRUB/GC)	3.82	45	20-25
	I-20-12/MPR-25	HUNTER POP-UP GEAR DRIVEN ROTOR (SHRUB/GC)	2.0	45	20-25
	I-20-12/MPR-25	HUNTER POP-UP GEAR DRIVEN ROTOR (SHRUB/GC)	1.0	45	20-25
	PROS-12-PRS40-CV/ MP2000-360	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	1.47	40	16-18
	PROS-12-PRS40-CV/ MP2000-90	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.74,0.40	40	16-18
	PROS-12-PRS40-CV/ MP1000-360	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.75	40	12-14
	PROS-12-PRS40-CV/ MP1000-90	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.37,0.19	40	12-14
	PROS-12-PRS30-CV/ MP1000-360	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.65	30	10-12
	PROS-12-PRS30-CV/ MP1000-90	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.32,0.16	30	10-12
	PROS-12-PRS40-CV/ MPSS530	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.44	30	5 x 30
	PROS-12-PRS40-CV/ MPLCS515 OR MPRCS515	HUNTER POP-UP SPRAY SPRINKLER WITH MP ROTATOR NOZZLE (SHRUB/GC)	0.22	30	5 x 15
	WLT-0500-T	NDS SCH 40 BALL VALVE OR APPROVED EQUAL			
	ECO-ID	HUNTER ECO-INDICATOR			
	P-220-26 SERIES	TORO REMOTE CONTROL VALVE			
	700DK-1-MF	TORO DRIP ZONE KIT WITH IRRITROL 700 SERIES REMOTE CONTROL VALVE, PRESSURE REGULATOR (40 PSI) AND A 1" FILTER			
	44-LRC	RAIN BIRD 1" TWO-PIECE QUICK COUPLING VALVE (YELLOW LOCKING RUBBER COVER)			
	F-619-RWS-SON	NIBCO FLANGED GATE VALVE (LINE SIZE)-4" AND LARGER.			
	T113-K SERIES	NIBCO BRASS GATE VALVE (LINE SIZE)-2.5" AND SMALLER			
	8411062PL (2" VALVE) CL200 SADDLE MODEL #S • 80481H (4") • 80681H (6")	HARCO DOUBLE STRAP SWIVEL SADDLE (CL200) AND FULL PORT 316 SS ANGLE VALVE WITH CROSS HANDLE WITH D.I. GRIP RING.			
ARV	143C	APCO AIR VENT/VACUUM RELIEF VALVE			
	475-4"/FLS/ PBB-60HP	WILKINS 4" REDUCED PRESSURE BACKFLOW ASSEMBLY WITH VALVE SETTER AND VIT STRONGBOX FREEZE BLANKET.			
MV	2260-4"	GRISWOLD FLANGED MASTER VALVE-4" WITH PRESSURE REGULATOR (NORMALLY OPEN)			
FS	WTFLOWHD-I-400	WeatherTRAK FLOWHD (4" FLANGED) (0.75-1000 GPM)			
P	CB##V1C010C00250/ 040XXXX243ONS-4	PPS ATLAS BOOSTER PUMP. MOTOR SHALL BE 10HP WITH A POWDER COATED STEEL ENCLOSURE. REFER TO SHEET L1.726 FOR INSTALLATION DETAIL			
A	WT0XR-C-2W96-SPT	WeatherTRAK ET OPTI FLOW 2-WIRE 48 STATION CONTROLLER IN A HEAVY-DUTY STAINLESS STEAL SLOPE-TOP PEDESTAL ENCLOSURE.			
—	WT2W-H2O-1VD	WEATHERTRAK DECODER (1 PER VALVE)			
—	WT2W-H2O-2VD	WEATHERTRAK TWO STATION DECODER			
—	WT2W-H2O-MV	WEATHERTRAK MASTER VALVE DECODER			
—	WT2W-H2O-FS	WEATHERTRAK FLOW SENSOR DECODER			
—	WT2W-H2O-SA	WEATHERTRAK SURGE ARRESTOR (1 EVERY 500 FEET ALONG MAIN) REFER TO DETAILS FOR INSTALLATION INSTRUCTIONS.			
—	WT2W-H2O-PS	WEATHERTRAK PUMP START DECODER			
—	CIMXL+OFS-5YA	5 YEAR EXTENSION OF WEATHERTRAK CENTRAL AND OPTIFLOW.			
—	NOT SHOWN ON PLANS	ROUTE TWO WIRE CABLE TO ALL REMOTE CONTROL VALVES. SIZE #14AWG WIRE WITH A JACKETED 2-CONDUCTOR. PREFERRED WIRE MAKE AND MODEL IS PAIGE ELECTRIC WIRE P7072D. ALL SPLICING SHALL BE MADE WITH 3-M DBR/Y-6 WATERPROOF SPLICE KITS OR APPROVED EQUAL. INSTALL 2 WIRE CABLE WITHIN 1.25" SCH 40 ELECTRICAL CONDUIT. PULL BOXES SHALL BE LOCATED EVERY 200' NO SPLICES ARE ALLOWED BETWEEN VALVES. REFER TO DETAIL FOR INSTALLATION INSTRUCTIONS.			
R	WT-WRS	WIRELESS RAIN SENSOR SYSTEM. AUTOMATICALLY SHUTS THE SYSTEM OFF AS SOON AS IT STARTS RAINING.			

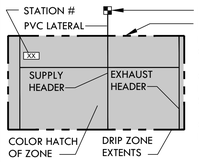
CONTROLLER AND STATION NUMBER
FLOW (GPM)
REMOTE CONTROL VALVE SIZE (IN INCHES)
ASSOCIATED REMOTE CONTROL VALVE
CONTROLLER AND STATION NUMBER
AREA (SQ. FT.)
FLOW (GPM)
REMOTE CONTROL VALVE SIZE (IN INCHES)
ASSOCIATED REMOTE CONTROL VALVE

6IN 6IN
4IN 4IN
MAIN LINE: 4" AND LARGER: 1120-200 PSI RING-TITE PVC PLASTIC PIPE WITH DUCTILE IRON FITTINGS, CONCRETE THRUST BLOCKS OR D.I. JOINT RESTRAINTS. 24" COVER.

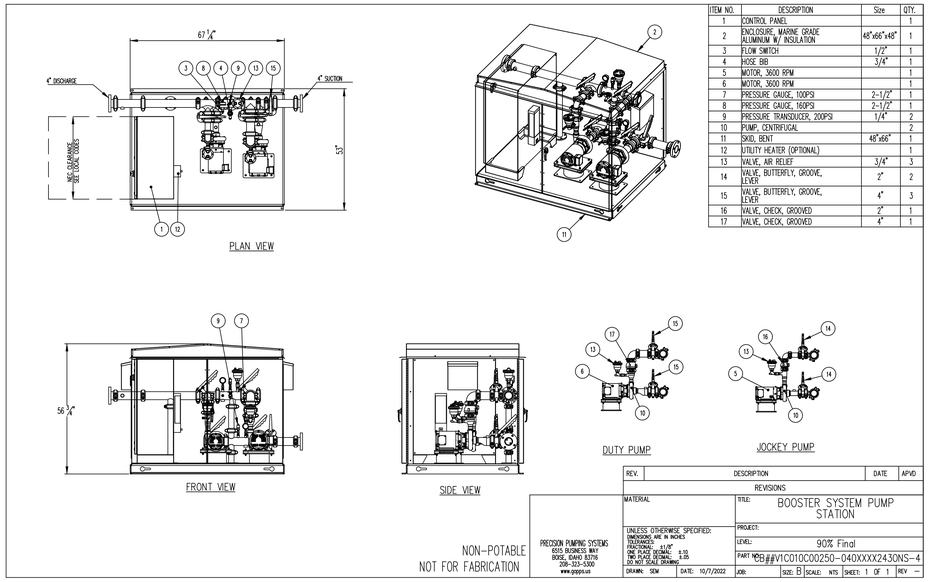
2.5IN 2.5IN
2IN 2IN
MAIN LINE: 2 1/2" AND SMALLER: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT WELD FITTINGS. 18" COVER.

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.



DRIPLINE REMOTE CONTROL VALVE
DRIP ZONE:
HUNTER HDL SERIES DRIPLINE WITH BUILT IN PRESSURE COMPENSATION AND CHECK VALVE, PART #HDL-06-12-250-CV. USE PLD FITTINGS. TUBING TO BE INSTALLED 4" BELOW GRADE IN A 12" O.C. GRID ACCORDING TO DETAILS. SIZE EXHAUST HEADERS AS FOLLOWS: 1": 0-10 GPM, 1.25": 11-20 GPM. ALL EXHAUST HEADERS SHALL BE 1" SCH 40 PVC OR 1" SCH 40 FLEXIBLE PVC. USE SCH. 40 PVC SOLVENT WELD FITTINGS. EXTEND PVC HEADERS TO THE ENDS OF ALL DRIP ZONES TO BALANCE FLOW IF REQUIRED. SEE DETAILS FOR FURTHER INFORMATION.



ITEM NO.	DESCRIPTION	Size	QTY.
1	CONTROL PANEL		1
2	ENCLOSURE, MARINE GRADE ALUMINUM W/ INSULATION	48"x66"x48"	1
3	FLOW SWITCH	1/2"	1
4	HOSE BIB	3/4"	1
5	MOTOR, 3600 RPM		1
6	MOTOR, 3600 RPM		1
7	PRESSURE GAUGE, 100PSI	2-1/2"	1
8	PRESSURE GAUGE, 160PSI	2-1/2"	1
9	PRESSURE TRANSDUCER, 200PSI	1/4"	2
10	PUMP, CENTRIFUGAL		2
11	SKID, BENT	48"x66"	1
12	UTILITY HEATER (OPTIONAL)		1
13	VALVE, AIR RELIEF	3/4"	3
14	VALVE, BUTTERFLY, GROOVE, LEVER	2"	2
15	VALVE, BUTTERFLY, GROOVE, LEVER	4"	3
16	VALVE, CHECK, GROOVED	2"	1
17	VALVE, CHECK, GROOVED	4"	1

REV.	DESCRIPTION	DATE	APVD
	REVISIONS		

PRECISION PUMPING SYSTEMS
6515 BUSINESS WAY
BOISE, IDAHO 83716
208-323-5300
www.ppps.us

MATERIAL
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±1/8"
ONE PLACE DECIMAL ±.10
TWO PLACE DECIMAL ±.05
DO NOT SCALE DRAWING
DRAWN: SEM DATE: 10/7/2022

TITLE: BOOSTER SYSTEM PUMP STATION
PROJECT:
LEVEL: 90% Final
PART NO: B##V1C010C00250-040XXXX2430NS-4
JOB: SIZE: B SCALE: NTS SHEET: 1 OF 1 REV: —

NON-POTABLE
NOT FOR FABRICATION

cmg
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444 Bryant St
San Francisco, CA 94107
415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHERYL M. QUILLMAN
No. 5240
Signature
Renewal Date: 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 RE-BID PS&E DOCUMENTS

BID SET

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

IRRIGATION LEGEND & NOTES

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
	CM

SHEET NUMBER

L1-700

IRRIGATION DESIGN NARRATIVE

THE PROPOSED IRRIGATION SYSTEM FOR THIS SITE WILL BE DESIGNED WITH THE LATEST TECHNOLOGY IN WATER CONSERVATION AND EFFICIENCY. THE SYSTEM WILL CONSIST OF THE FOLLOWING TYPES OF IRRIGATION METHODS AND EQUIPMENT COMPLYING WITH THE STATE WATER ORDINANCE. BUBBLERS AND HIGH EFFICIENCY OVERHEAD IRRIGATION WILL BE THE PRIMARY METHOD OF DELIVER. ALL SPRINKLERS WILL BE DESIGNED TO APPLY WATER AT A LOWER APPLICATION RATE TO REDUCE RUNOFF AND PONDING. ALL SPRINKLERS BODIES WILL INCLUDE BUILT IN CHECK VALVES AND PRESSURE REGULATORS TO PREVENT MISTING AND LOW HEAD DRAINAGE ON SLOPED AREAS. THE CONTROLLER THAT WILL MANAGE THIS SYSTEM USES LOCAL WEATHER TO ADJUST THE RUN TIMES OF THE VALVES BASED ON DAILY WEATHER CONDITIONS.

IRRIGATION METHODS BY PLANTING TYPE

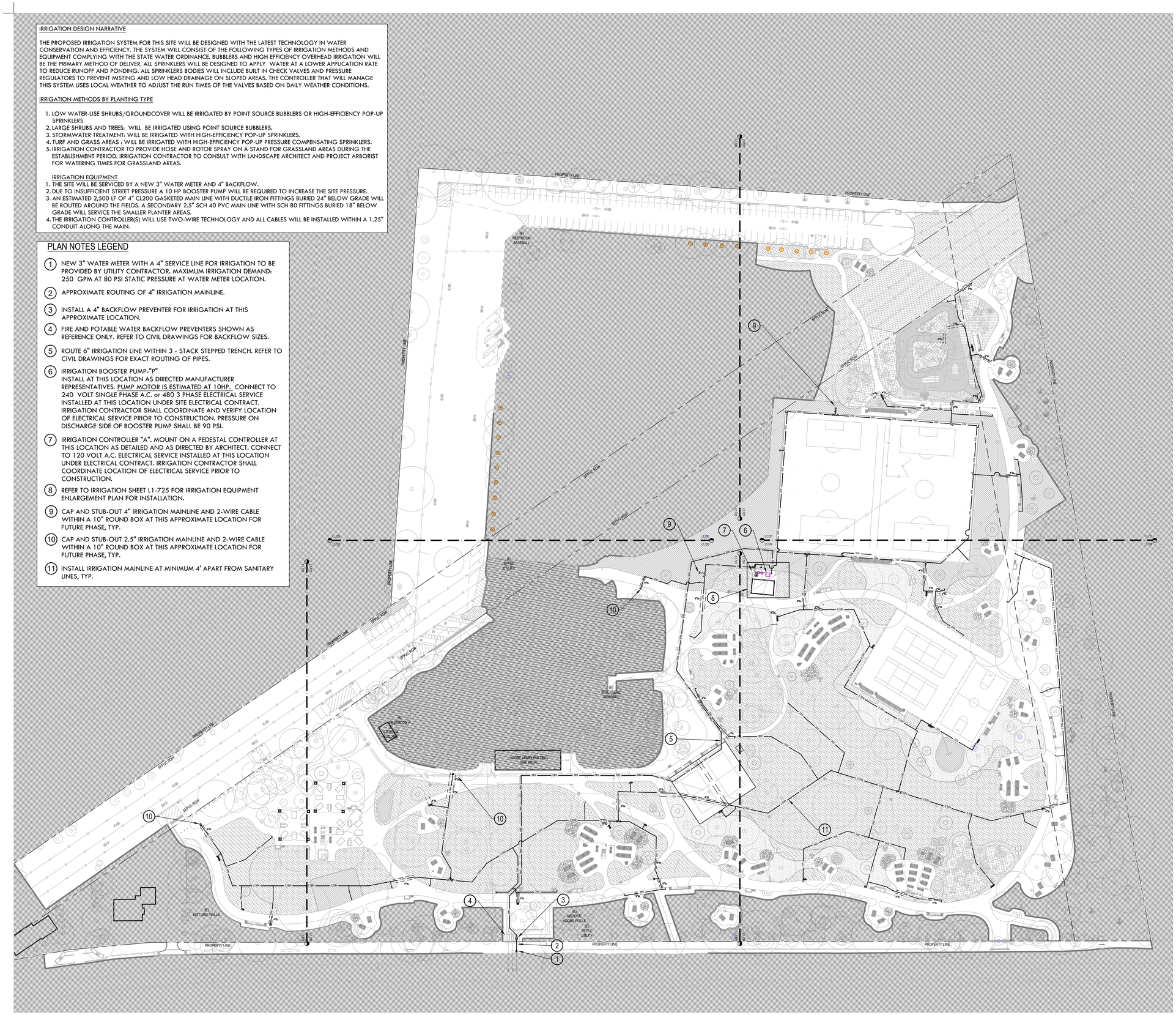
1. LOW WATER-USE SHRUBS/GROUNDCOVER WILL BE IRRIGATED BY POINT SOURCE BUBBLERS OR HIGH-EFFICIENCY POP-UP SPRINKLERS
2. LARGE SHRUBS AND TREES: WILL BE IRRIGATED USING POINT SOURCE BUBBLERS.
3. STORMWATER TREATMENT: WILL BE IRRIGATED WITH HIGH-EFFICIENCY POP-UP SPRINKLERS.
4. TURF AND GRASS AREAS : WILL BE IRRIGATED WITH HIGH-EFFICIENCY POP-UP PRESSURE COMPENSATING SPRINKLERS.
5. IRRIGATION CONTRACTOR TO PROVIDE HOSE AND ROTOR SPRAY ON A STAND FOR GRASSLAND AREAS DURING THE ESTABLISHMENT PERIOD. IRRIGATION CONTRACTOR TO CONSULT WITH LANDSCAPE ARCHITECT AND PROJECT ARBORIST FOR WATERING TIMES FOR GRASSLAND AREAS.

IRRIGATION EQUIPMENT

1. THE SITE WILL BE SERVICED BY A NEW 3" WATER METER AND 4" BACKFLOW.
2. DUE TO INSUFFICIENT STREET PRESSURE A 10 HP BOOSTER PUMP WILL BE REQUIRED TO INCREASE THE SITE PRESSURE.
3. AN ESTIMATED 2,500 LF OF 4" CL200 GASKETED MAIN LINE WITH DUCTILE IRON FITTINGS BURIED 24" BELOW GRADE WILL BE ROUTED AROUND THE FIELDS. A SECONDARY 2.5" SCH 40 PVC MAIN LINE WITH SCH 80 FITTINGS BURIED 18" BELOW GRADE WILL SERVICE THE SMALLER PLANTER AREAS.
4. THE IRRIGATION CONTROLLER(S) WILL USE TWO-WIRE TECHNOLOGY AND ALL CABLES WILL BE INSTALLED WITHIN A 1.25" CONDUIT ALONG THE MAIN.

PLAN NOTES LEGEND

1. NEW 3" WATER METER WITH A 4" SERVICE LINE FOR IRRIGATION TO BE PROVIDED BY UTILITY CONTRACTOR. MAXIMUM IRRIGATION DEMAND: 250 GPM AT 80 PSI STATIC PRESSURE AT WATER METER LOCATION.
2. APPROXIMATE ROUTING OF 4" IRRIGATION MAINLINE.
3. INSTALL A 4" BACKFLOW PREVENTER FOR IRRIGATION AT THIS APPROXIMATE LOCATION.
4. FIRE AND POTABLE WATER BACKFLOW PREVENTERS SHOWN AS REFERENCE ONLY. REFER TO CIVIL DRAWINGS FOR BACKFLOW SIZES.
5. ROUTE 6" IRRIGATION LINE WITHIN 3 - STACK STEPPED TRENCH. REFER TO CIVIL DRAWINGS FOR EXACT ROUTING OF PIPES.
6. IRRIGATION BOOSTER PUMP-"P"
   INSTALL AT THIS LOCATION AS DIRECTED MANUFACTURER REPRESENTATIVES. PUMP MOTOR IS ESTIMATED AT 10HP. CONNECT TO 240 VOLT SINGLE PHASE A.C. or 480 3 PHASE ELECTRICAL SERVICE INSTALLED AT THIS LOCATION UNDER SITE ELECTRICAL CONTRACT. IRRIGATION CONTRACTOR SHALL COORDINATE AND VERIFY LOCATION OF ELECTRICAL SERVICE PRIOR TO CONSTRUCTION. PRESSURE ON DISCHARGE SIDE OF BOOSTER PUMP SHALL BE 90 PSI.
7. IRRIGATION CONTROLLER "A". MOUNT ON A PEDESTAL CONTROLLER AT THIS LOCATION AS DETAILED AND AS DIRECTED BY ARCHITECT. CONNECT TO 120 VOLT A.C. ELECTRICAL SERVICE INSTALLED AT THIS LOCATION UNDER ELECTRICAL CONTRACT. IRRIGATION CONTRACTOR SHALL COORDINATE LOCATION OF ELECTRICAL SERVICE PRIOR TO CONSTRUCTION.
8. REFER TO IRRIGATION SHEET L1-725 FOR IRRIGATION EQUIPMENT ENLARGEMENT PLAN FOR INSTALLATION.
9. CAP AND STUB-OUT 4" IRRIGATION MAINLINE AND 2-WIRE CABLE WITHIN A 10" ROUND BOX AT THIS APPROXIMATE LOCATION FOR FUTURE PHASE, TYP.
10. CAP AND STUB-OUT 2.5" IRRIGATION MAINLINE AND 2-WIRE CABLE WITHIN A 10" ROUND BOX AT THIS APPROXIMATE LOCATION FOR FUTURE PHASE, TYP.
11. INSTALL IRRIGATION MAINLINE AT MINIMUM 4' APART FROM SANITARY LINES, TYP.


PROPERTY LINE
SPUC ROW
(E) RESTROOM BASEBALL
(E) RESTROOM A
(E) STORAGE
(E) BLDG. SUBGRADE
(E) HISTORIC ADOBE WALLS
(E) SPCLC UTILITY
(E) HISTORIC WALLS
(E) ADOBE ADMIN BUILDING SUBGRADE
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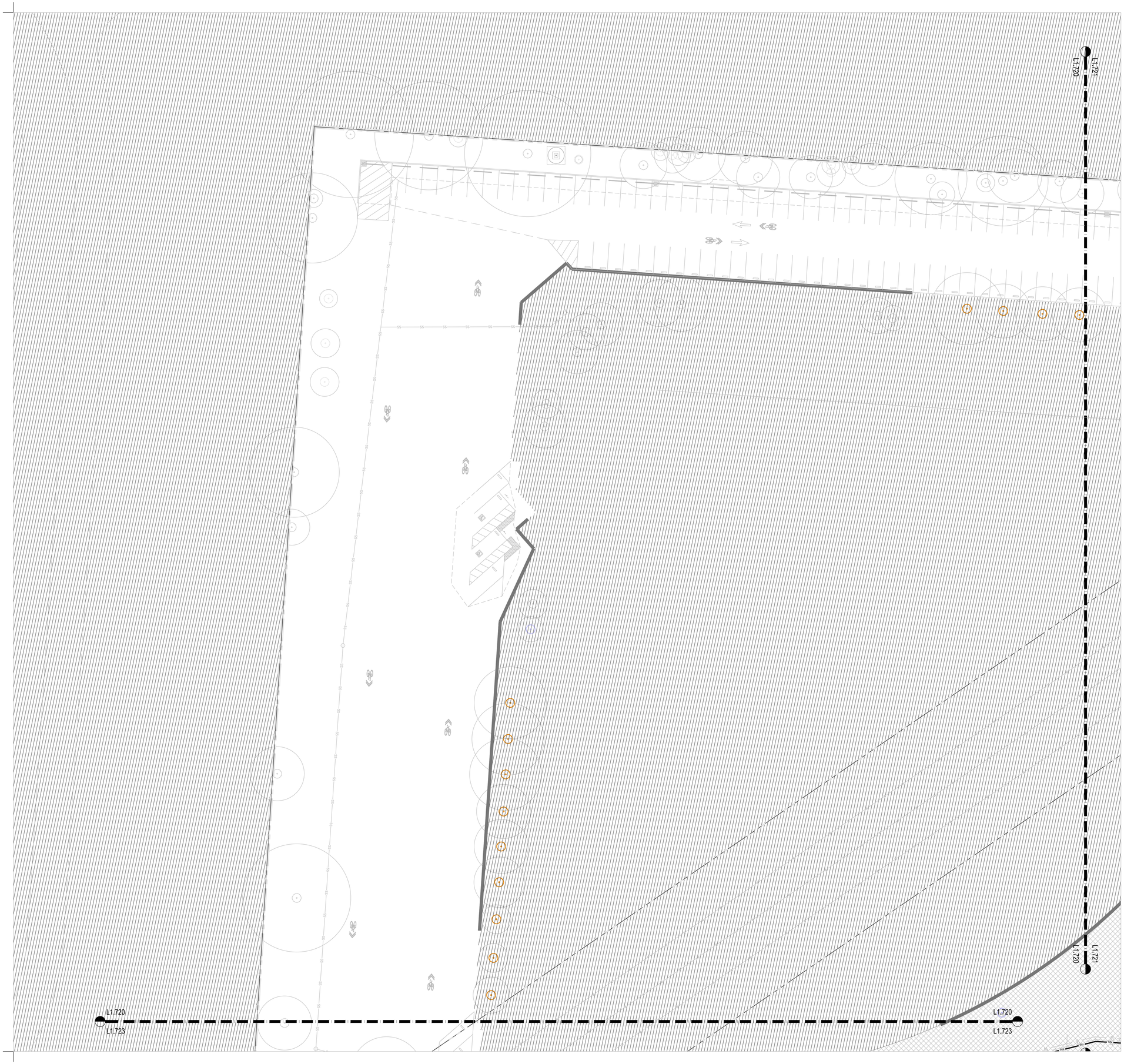

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 2585
Signature
Date
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 RE-BID
PS&E DOCUMENTS

BID SET

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

IRRIGATION PLAN

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
1"= 20'-0"	CM

SHEET NUMBER

L1-720



PLAN NOTES LEGEND

1. CAP AND STUB-OUT 4" IRRIGATION MAINLINE AND 2-WIRE CABLE WITHIN A 10" ROUND BOX AT THIS APPROXIMATE LOCATION FOR FUTURE PHASE, TYP.

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444 Bryant St
San Francisco, CA 94107
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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

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PHASE 1 RE-BID PS&E DOCUMENTS

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	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

IRRIGATION PLAN

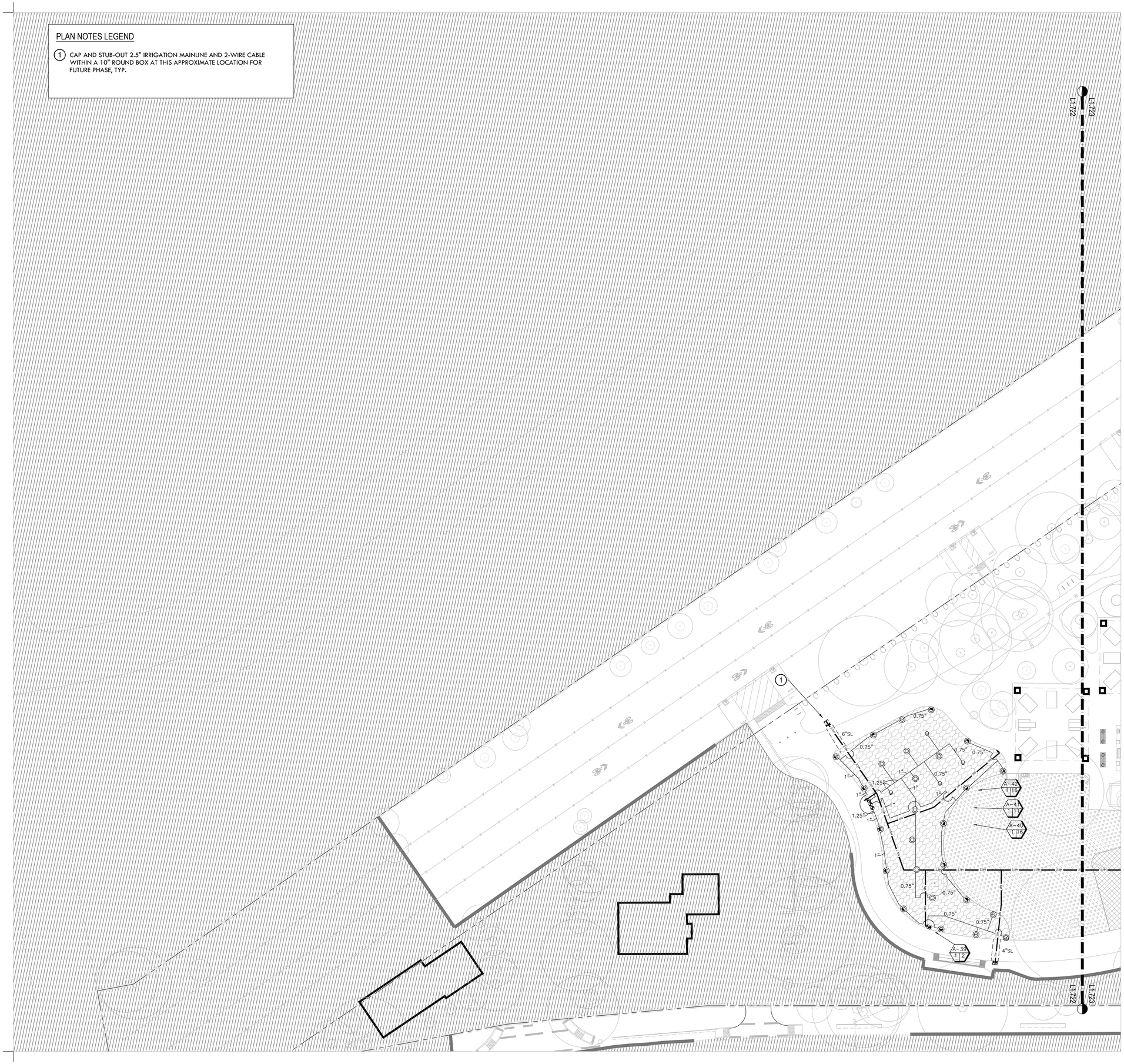
PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
1"= 20'-0"	CM

SHEET NUMBER

L1-721

PLAN NOTES LEGEND

1. CAP AND STUB-OUT 2.5" IRRIGATION MAINLINE AND 2-WIRE CABLE WITHIN A 10" ROUND BOX AT THIS APPROXIMATE LOCATION FOR FUTURE PHASE, TYP.



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415.495.3070
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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

PHASE

PHASE 1 RE-BID
PS&E DOCUMENTS

BID SET

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
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COUNTY OF SAN MATEO - DPW STAMP

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STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

IRRIGATION PLAN

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
1"= 20'-0"	CM

SHEET NUMBER

L1-722

PLAN NOTES LEGEND

1. NEW 3" WATER METER WITH A 4" SERVICE LINE FOR IRRIGATION TO BE PROVIDED BY UTILITY CONTRACTOR. MAXIMUM IRRIGATION DEMAND: 250 GPM AT 80 PSI STATIC PRESSURE AT WATER METER LOCATION.
2. APPROXIMATE ROUTING OF 4" IRRIGATION MAINLINE.
3. INSTALL A 4" BACKFLOW PREVENTER FOR IRRIGATION AT THIS APPROXIMATE LOCATION.
4. FIRE AND POTABLE WATER BACKFLOW PREVENTERS SHOWN AS REFERENCE ONLY. REFER TO CIVIL DRAWINGS FOR BACKFLOW SIZES.
5. ROUTE 6" IRRIGATION LINE WITHIN 3 - STACK STEPPED TRENCH. REFER TO CIVIL DRAWINGS FOR EXACT ROUTING OF PIPES.
9. CAP AND STUB-OUT 4" IRRIGATION MAINLINE AND 2-WIRE CABLE WITHIN A 10" ROUND BOX AT THIS APPROXIMATE LOCATION FOR FUTURE PHASE, TYP.
10. CAP AND STUB-OUT 2.5" IRRIGATION MAINLINE AND 2-WIRE CABLE WITHIN A 10" ROUND BOX AT THIS APPROXIMATE LOCATION FOR FUTURE PHASE, TYP.

L1.720 L1.723 L1.722 L1.724

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REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
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CONSULTANT STAMP

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST.LLAWN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

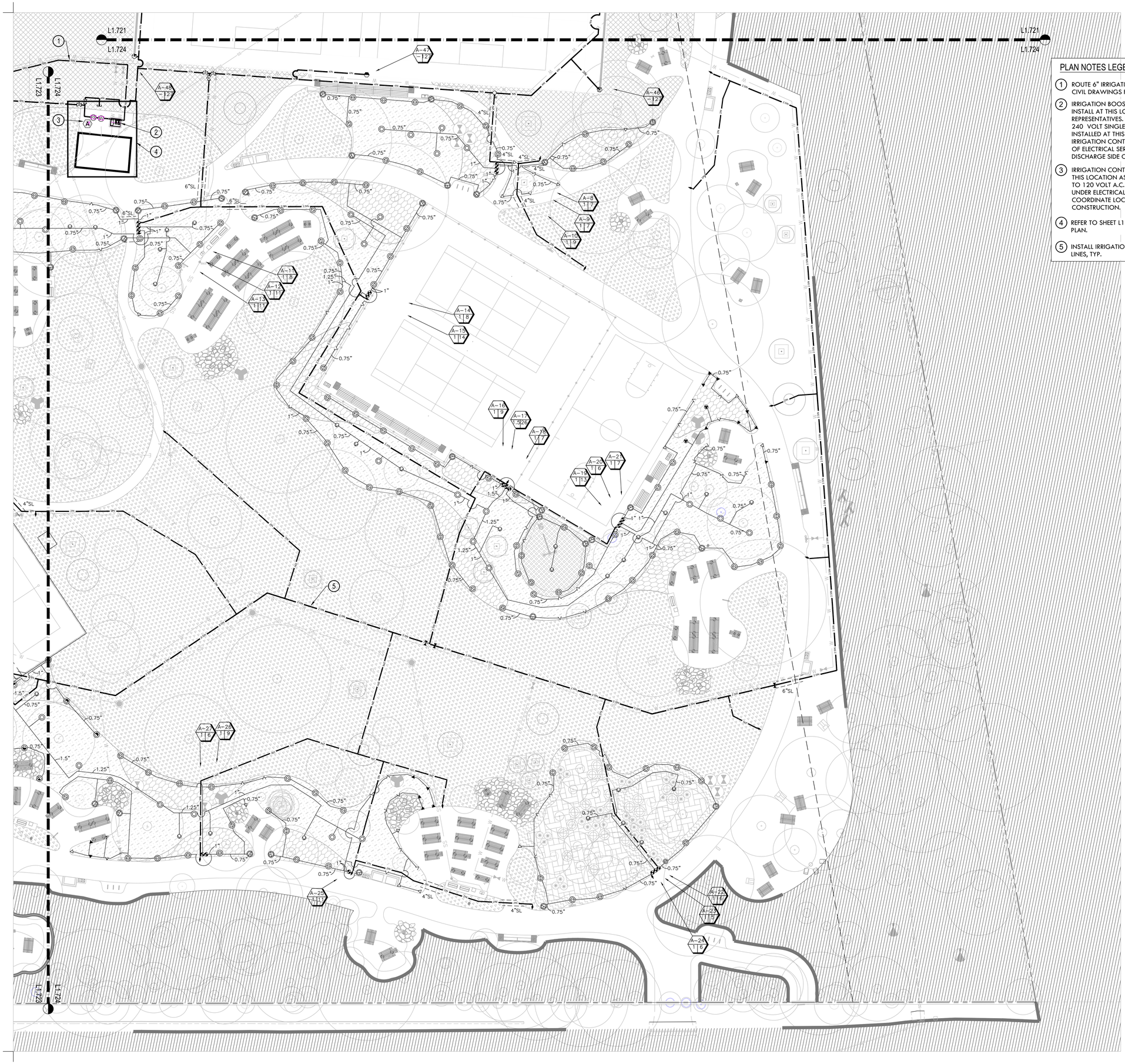
SHEET TITLE

IRRIGATION PLAN

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
1"= 20'-0"	CM

SHEET NUMBER

L1-723



PLAN NOTES LEGEND

1. ROUTE 6" IRRIGATION LINE WITHIN 3 - STACK STEPPED TRENCH. REFER TO CIVIL DRAWINGS FOR EXACT ROUTING OF PIPES.
2. IRRIGATION BOOSTER PUMP."P"
   INSTALL AT THIS LOCATION AS DIRECTED MANUFACTURER REPRESENTATIVES. PUMP MOTOR IS ESTIMATED AT 10HP. CONNECT TO 240 VOLT SINGLE PHASE A.C. or 480 3 PHASE ELECTRICAL SERVICE INSTALLED AT THIS LOCATION UNDER SITE ELECTRICAL CONTRACT. IRRIGATION CONTRACTOR SHALL COORDINATE AND VERIFY LOCATION OF ELECTRICAL SERVICE PRIOR TO CONSTRUCTION. PRESSURE ON DISCHARGE SIDE OF BOOSTER PUMP SHALL BE 90 PSI.
3. IRRIGATION CONTROLLER "A". MOUNT ON A PEDESTAL CONTROLLER AT THIS LOCATION AS DETAILED AND AS DIRECTED BY ARCHITECT. CONNECT TO 120 VOLT A.C. ELECTRICAL SERVICE INSTALLED AT THIS LOCATION UNDER ELECTRICAL CONTRACT. IRRIGATION CONTRACTOR SHALL COORDINATE LOCATION OF ELECTRICAL SERVICE PRIOR TO CONSTRUCTION.
4. REFER TO SHEET L1-725 FOR IRRIGATION EQUIPMENT ENLARGEMENT PLAN.
5. INSTALL IRRIGATION MAINLINE AT MINIMUM 4' APART FROM SANITARY LINES, TYP.

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REDWOOD CITY, CA 94063

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MENLO PARK, CA 94025

CONSULTANT STAMP

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PHASE 1 RE-BID PS&E DOCUMENTS

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COUNTY OF SAN MATEO - DPW STAMP

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ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
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STATE OF CALIFORNIA

11/07/2023

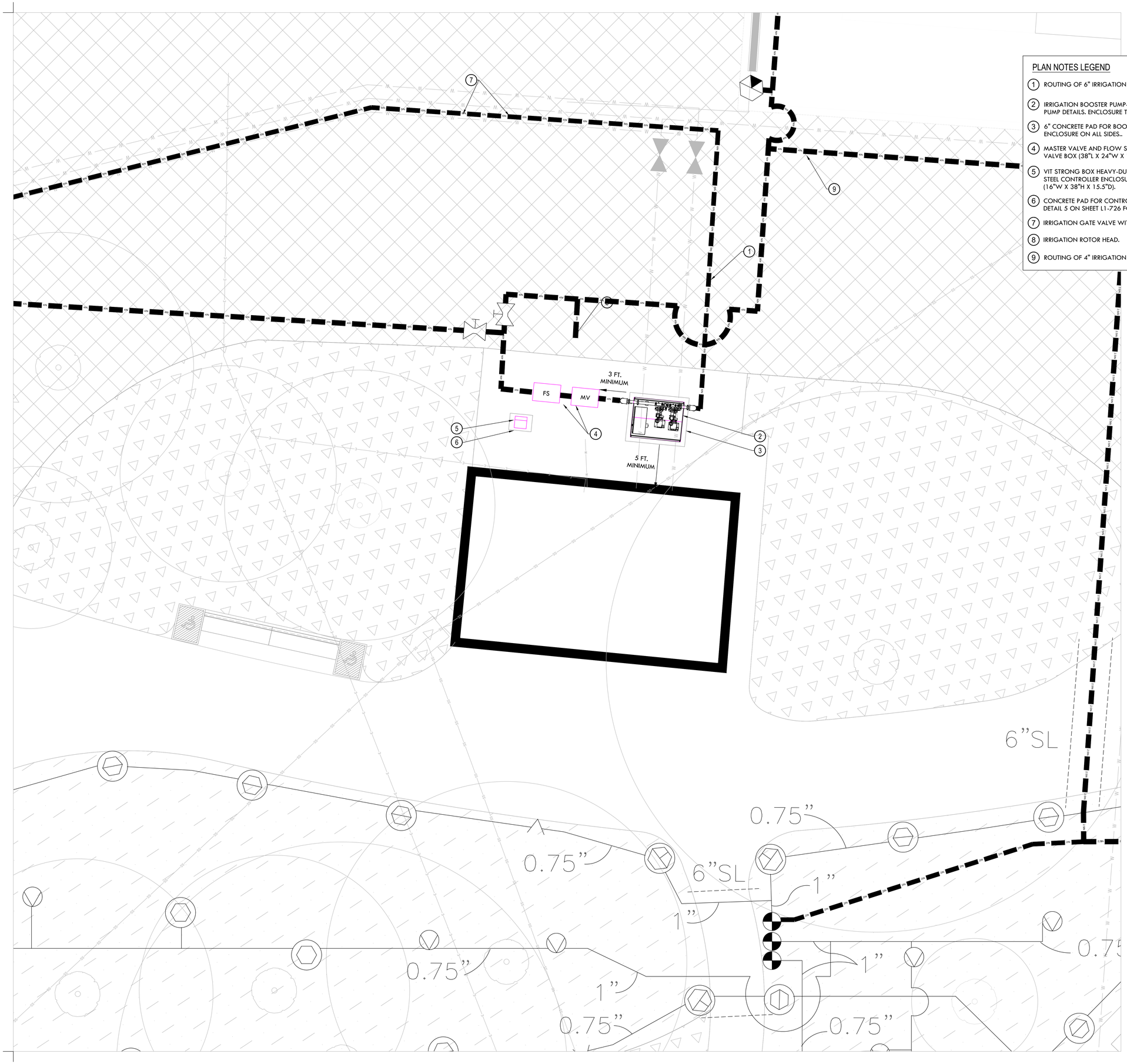
SHEET TITLE

IRRIGATION PLAN

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
1"= 20'-0"	CM

SHEET NUMBER

L1-724



PLAN NOTES LEGEND

1. ROUTING OF 6" IRRIGATION MAINLINE FROM POINT OF CONNECTION.
2. IRRIGATION BOOSTER PUMP."P". REFER TO SHEET L1-726 & L 1-729 FOR PUMP DETAILS. ENCLOSURE TO BE 67.25" X 53".
3. 6" CONCRETE PAD FOR BOOSTER PUMP TO EXTEND 6" BEYOND ENCLOSURE ON ALL SIDES..
4. MASTER VALVE AND FLOW SENSOR TO BE INSTALLED WITHIN A JUMBO VALVE BOX (38"L X 24"W X 18"H).
5. VIT STRONG BOX HEAVY-DUTY, SLOPE-TOP, TOP-ENTRY STAINLESS STEEL CONTROLLER ENCLOSURE. ENCLOSURE MODEL NO. SB-16SS, (16"W X 38"H X 15.5"D).
6. CONCRETE PAD FOR CONTROLLER ENCLOSURE (38"W X 22"D). REFER TO DETAIL 5 ON SHEET L1-726 FOR MORE INFORMATION.
7. IRRIGATION GATE VALVE WITHIN A 10" ROUND BOX.
8. IRRIGATION ROTOR HEAD.
9. ROUTING OF 4" IRRIGATION MAINLINE FROM POINT OF CONNECTION.

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C 47882
EXPIRES 12/31/23
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STATE OF CALIFORNIA

11/07/2023

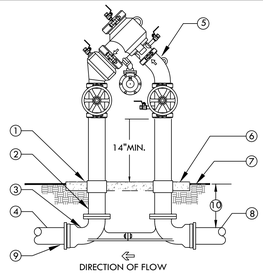
SHEET TITLE

IRRIGATION EQUIPMENT ENLARGMENT

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
1/4"=1'-0"	CM

SHEET NUMBER

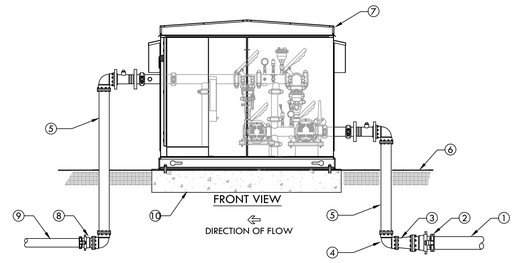
L1-725



1. PVC SLEEVE BOTH SIDES.
2. 4" DUCTILE IRON SPOOL (2 TOTAL) LENGTH AS REQUIRED.
3. WILKINS VALVE SETTER MODEL FLS (FLANGE x FLANGE)
4. PVC MAIN LINE TO IRRIGATION SYSTEM.
5. REDUCED PRESSURE BACKFLOW ASSEMBLY.
6. 6" THICK CONCRETE PAD. EXTEND 24" BEYOND ASSEMBLY IN ALL DIRECTIONS. PEAK IN CENTER TO DRAIN IN ALL DIRECTIONS. SET PAD 1/2" ABOVE FINISH GRADE.
7. FINISH GRADE.
8. DUCTILE IRON FLANGED SPOOL TO WATER METER. REDUCE AS REQUIRED
9. DUCTILE IRON FLANGE x SPIGOT (IPS) ADAPTER.
10. REFER TO IRRIGATION LEGEND.

1 REDUCED PRESSURE BACKFLOW ASSEMBLY 4" AND LARGER

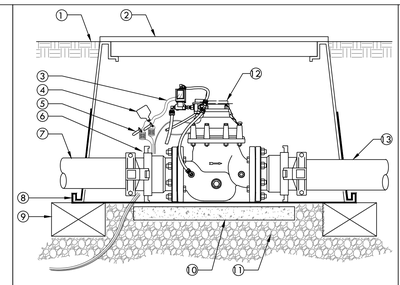
SCALE: NONE



1. 6" CLASS 200 PVC PIPE FROM BFP
2. HARCO 6" IPS FLANGE X BELL ADAPTER MODEL 80660FB. USE JOINT RESTRAINT AS REQUIRED
3. 6"x4" D.I. FLANGE REDUCER
4. 4" DUCTILE IRON (D.I.) FLANGED 90° ELBOW (4 TOTAL).
5. 4" DUCTILE IRON SPOOL LENGTH AS REQUIRED. WRAP PIPE WITH PROTECTIVE TAPE WHEN PIPE IS IN CONTACT WITH SOIL.
6. FINISH GRADE
7. IRRIGATION BOOSTER PUMP. REFER TO IRRIGATION LEGEND FOR MODEL NUMBER, AND IRRIGATION SHEET L1-129 FOR BOOSTER PUMP DETAIL.
8. 4"x4" FLANGE x BELL ADAPTER- TRANSITION INTO 4" CLASS 200 PVC TO SERVICE MASTER VALVE WITH HARCO MODEL 80460FB FLANGE x BELL ADAPTER. USE JOINT RESTRAINT AT SPIGOT END.
9. 4" CLASS 200 PVC PIPE TO MASTER VALVE AND FLOW SENSOR
10. 6" THICK CONCRETE PAD FOR BOOSTER PUMP TO EXTEND 6" BEYOND ENCLOSURE ON ALL SIDES. CONCRETE TO HAVE MEDIUM BROOM FINISH. SET PAD 1" ABOVE FINISH GRADE. USE #4 REBAR ON A 18" GRID WITHIN THE PAD

2 IRRIGATION BOOSTER PUMP INSTALLATION

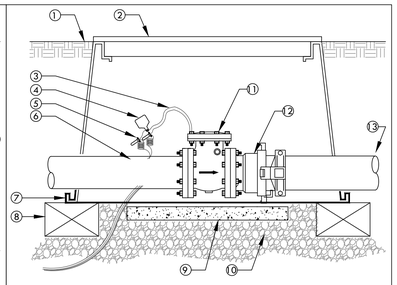
SCALE: NONE



1. FINISH GRADE
2. CARSON 17"x30"-24" DEPTH BOX WITH EXTENSIONS. HEAT BRAND "MV" ON LID IN 2" HIGH BLOCK LETTERS.
3. MASTER VALVE WIRES FROM SOLENOID.
4. VALVE I.D. TAG WITH "MV" PRINTED ON IT.
5. MASTER VALVE CONTROL WIRE FROM CONTROLLER- PROVIDE 3M-DBY SEAL PACKS AT ALL SPLICES AND 36" OF EXCESS OF WIRE IN A 1" DIAMETER COIL
6. 4"x4" FLANGE x BELL ADAPTER- TRANSITION FROM 4" CL200 PVC WITH HARCO MODEL 80460FB FLANGE x BELL ADAPTER. USE JOINT RESTRAINT AT SPIGOT END. (2 TOTAL)
7. 4" CLASS 200 PVC MAIN LINE
8. 19 GAUGE 1/2" [12mm] SQUARE WIRE MESH.
9. BRICK SUPPORT. (4 TOTAL/ 1 @ EA CORNER).
10. 16" CONCRETE PAVER SUPPORT BLOCK.
11. PEA GRAVEL OR 3/4" DRAIN ROCK- 6" DEEP BELOW VALVE (NO SOIL IN VALVE BOX).
12. 4" FLANGED MASTER VALVE.
13. 4" CLASS 200 PVC MAIN LINE TO FLOW SENSOR.

3 4" NORMALLY OPEN MASTER VALVE

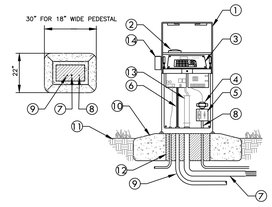
SCALE: NONE



1. FINISH GRADE
2. CARSON 17"x30"-24" DEPTH BOX. HEAT BRAND "FS" ON LID IN 2" HIGH BLOCK LETTERS.
3. FLOW SENSOR WIRES FROM DEVICE.
4. VALVE I.D. TAG WITH "FS" PRINTED ON IT.
5. TWO WIRE CABLE AND SENSOR DECODER- PROVIDE 3M-DBY SEAL PACKS AT ALL SPLICES AND 36" OF EXCESS OF WIRE IN A 1" DIAMETER COIL
6. 4" D.I. SPOOL PIECE FROM MASTER VALVE.
7. 19 GAUGE 1/2" [12mm] SQUARE WIRE MESH.
8. BRICK SUPPORT. (4 TOTAL/ 1 @ EA CORNER).
9. 16" CONCRETE PAVER SUPPORT BLOCK.
10. PEA GRAVEL OR 3/4" DRAIN ROCK- 6" DEEP BELOW VALVE (NO SOIL IN VALVE BOX).
11. 4" FLANGED OCTAVE METER.
12. 4"x4" FLANGE x BELL ADAPTER- TRANSITION FROM 4" CL200 PVC WITH HARCO MODEL 80460FB FLANGE x BELL ADAPTER. USE JOINT RESTRAINT AT SPIGOT END.
13. 4" CLASS 200 PVC MAIN LINE TO IRRIGATION SYSTEM.

4 4" FLANGED FLOW SENSOR

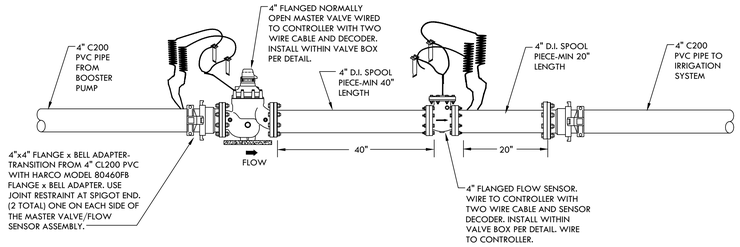
SCALE: NONE



1. STAINLESS STEEL AUTOMATIC CONTROLLER ENCLOSURE ASSEMBLY. SEE IRRIGAITON LEGEND FOR MAKE AND MODEL.
2. LOW PROFILE ANTENNA
3. WEATHERTRAK OPTIFLOW XR 2-WIRE CONTROLLER. SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. CONTROLLER TRANSFORMER.
5. GFI ON/OFF POWER SWITCH RECEPTACLE. (OPTIONAL)
6. OPTIONAL CONVENTIONAL FLOW SENSOR CABLE AND MASTER VALVE WIRES PER SPECIFICATIONS.
7. 3" PVC SWEEP ELL AND CONDUIT FOR CONTROL WIRES.
8. 1" PVC SWEEP ELL AND CONDUIT FOR 120 VAC FROM METERED POWER SUPPLY.
9. 2" PVC SWEEP ELL AND CONDUIT FOR OPTIONAL CONVENTIONALLY WIRED FLOW SENSOR AND MASTER VALVE WIRES.
10. POURED CONCRETE BASE. SLOPE TO DRAIN
11. FINISH GRADE. 2" BELOW TOP OF CONCRETE BASE.
12. FILL VOIDS WITH CONCRETE SLURRY MIX.
13. NEATLY BUNDLE WIRES AND SECURE WITH WIRE TIRES. (TYPICAL)
14. RAIN SENSOR WITHIN VIT RAIN SENSOR ENCLOSURE (PT# RGVRSS) PER SPEC.

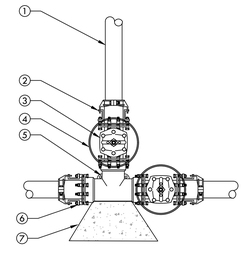
5 CONTROLLER PEDESTAL ENCLOSURE - TOP ENTRY WeatherTRAK XR

SCALE: NONE



6 4" FLANGED MASTER VALVE AND 4" FLANGED FLOW SENSOR INSTALLATION

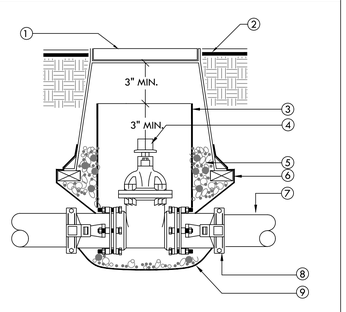
SCALE: NONE



1. CL200 PVC PIPE TO IRRIGATION SYSTEM
2. LEEMCO LMJ-SERIES (PIPE TO VALVE) RESTRAINT OR EQUAL ONE EACH SIDE OF VALVE. MATCH VALVE SIZE.
3. FLANGED END GATE VALVE W/ 2" SQUARE AWWA OPERATING NUT SEE LEGEND FOR SPECS. (2 TOTAL) INSTALL WITHIN 10" PLASTIC ROUND VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER. HEAT BRAND "GV" ONTO LID. TOP DIMENSION: 10". INSTALL WITHIN BOX AS PER GATE VALVE DETAIL. (2 TOTAL)
4. 8" CL200 PVC PIPE (NOTCH TO FIT OVER MAIN LINE PIPE)
5. CLASS 250 D.I. FLANGED TEE
6. D.I. JOINT RESTRAINT FOR FLANGE TO CL200 PIPE CONNECTION.
7. CONCRETE THRUST BLOCK. DO NOT OVERPOUR ONTO FLANGES OF TEE. SIZE OF THRUST BLOCK PER THRUST BLOCK INSTALLATION DETAIL.

7 MAIN LINE TEE WITH TWO (2) FLANGED GATE VALVES

SCALE: NONE



1. 10" ROUND CONCRETE BOX WITH METAL LID. CHRISTY MODEL G05 OR EQUAL.
2. FINISH GRADE
3. 8" CLASS CL200 OR SCHEDULE 40 PVC PIPE (NOTCH TO FIT OVER MAIN LINE PIPE)
4. FLANGED END GATE VALVE W/ 2" SQUARE AWWA OPERATING NUT SEE LEGEND FOR SPECS.
5. PEA GRAVEL OR 3/4" DRAIN ROCK
6. BRICK-2 TOTAL
7. C200 PVC MAIN LINE
8. LEEMCO LMJ-SERIES (PIPE TO VALVE) RESTRAINT OR EQUAL. ONE EACH SIDE OF VALVE
9. 18 GAUGE 1/2" SQUARE STAINLESS STEEL WIRE MESH. WRAP UP SIDES OF THE BOX. ANCHOR TO BOX WITH S.S. SCREWS AND WASHER AS REQUIRED.

8 FLANGE GATE VALVE - 4" AND LARGER (CL200)

SCALE: NONE

Irrigation Consultant:
Russell D. Mitchell Associates, Inc.
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Walnut Creek, CA 94597
tel 925.939.3985 ✦ fax 925.932.5671
www.rmairrigation.com

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CONSULTANTS

PROJECT NAME

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215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. QUILLMAN
No. 5165
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 RE-BID PS&E DOCUMENTS

BID SET

NO.	ISSUE	DATE
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST.LLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

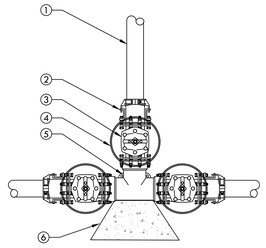
SHEET TITLE

IRRIGATION DETAILS

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
	CM

SHEET NUMBER

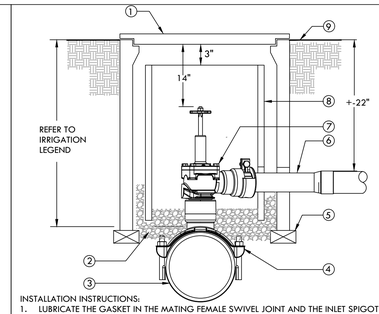
L1-726



1. CL200 PVC PIPE TO IRRIGATION SYSTEM
2. LEEMCO LMJ-SERIES (PIPE TO VALVE) RESTRAINT OR EQUAL. ONE EACH SIDE OF VALVE. MATCH VALVE SIZE.
3. FLANGED END GATE VALVE W/ 2" SQUARE AWWA OPERATING NUT SEE LEGEND FOR SPECS. (3 TOTAL) INSTALL WITHIN 10" PLASTIC ROUND VALVE BOX WITH BOLT DOWN COVER, USE STAINLESS BOLT, NUT, AND WASHER. HEAT BRAND "GV" ONTO LID. TOP DIMENSION: 10". INSTALL WITHIN BOX AS PER GATE VALVE DETAIL. (3 TOTAL)
4. 8" CL200 PVC PIPE (NOTCH TO FIT OVER MAIN LINE PIPE)
5. CLASS 250 D.I. FLANGED TEE
6. CONCRETE THRUST BLOCK. DO NOT OVERPOUR ONTO FLANGES OF TEE. SIZE OF THRUST BLOCK PER THRUST BLOCK INSTALLATION DETAIL.

1 CL200 MAIN LINE TEE WITH THREE (3) FLANGED GATE VALVES

SCALE: NONE

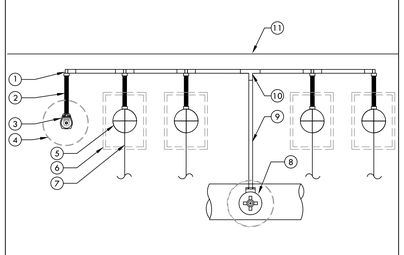


INSTALLATION INSTRUCTIONS:
1. LUBRICATE THE GASKET IN THE MATING FEMALE SWIVEL JOINT AND THE INLET SPIGOT OF THE VALVE WITH PVC PIPE LUBRICANT.
2. ROTATE MALE THREAD "IN" UNTIL JOINT BOTTOMS OUT."
3. ROTATE MALE THREAD "OUT" TO PROPER HORIZONTAL ORIENTATION FOR VALVE UP TO AND NO MORE THAN 360°.
4. INSTALL BEVEL PIPE IN OUTLET BELL AFTER LUBRICATING OUTLET GASKET AND PIPE END. REMOVE WOOD WEDGE AND TIGHTEN RESTRAINT BOLT TO 35 FT-LBS.

1. 10" ROUND CONCRETE BOX WITH METAL LID. CHRISTY MODEL G05 OR EQUAL.
2. 3/4" DRAIN ROCK 6" DEEP
3. CL200 PVC MAIN LINE
4. FEMALE SWIVEL SADDLE FOR CL200, HARCO 80481H (4"), 80681H (6"), 80881H (8").
5. BRICK - 2 TOTAL
6. 2" SCH 80 PVC PIPE TO VALVE MANIFOLD. USE 2" x 3" SCH 80 REDUCER TO INCREASE TO 3" OUTSIDE OF VALVE BOX FOR MANIFOLDS WITH VALVE FLOWS MORE THAN 60 GPM.
7. 2"x6" GASKET BY MALE SWIVEL S.S. LATERAL ISOLATION VALVE. HARCO MODEL 8411062PL.
8. 6" CLASS CL200 OR SCHEDULE 40 PVC PIPE - EXTEND BELOW BOTTOM OF VALVE
9. FINISH GRADE

2 ANGLE ISOLATION VALVE

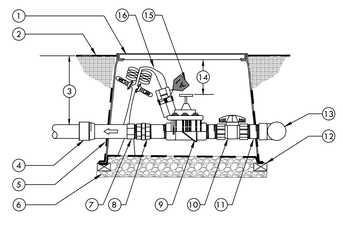
SCALE: NONE



1. SCH. 80 PVC TEE (SxSxT) OR ELBOW (SxT). REDUCE ON OUTLET TO MATCH REMOTE CONTROL VALVE SIZE
2. SCH 80 PVC THREADED NIPPLE SIZE PER VALVE (MIN. 6" AND MAX. LENGTH OF 18")
3. QUICK COUPLER. WHERE SHOWN ON PLANS.
4. 10" ROUND VALVE BOX FOR QUICK COUPLER
5. REMOTE CONTROL VALVE. SIZE PER PLANS.
6. RECTANGULAR VALVE BOX FOR REMOTE CONTROL VALVES
7. SCH 40 PVC LATERAL LINE TO SPRINKLERS
8. S.S. ANGLE VALVE SERVICED OFF CL200 MAIN LINE WITH DOUBLE STRAPPED SADDLE.
9. SCH. 80 PVC PIPE. USE 2" OUT OF VALVE. INCREASE TO 3" OUTSIDE OF ISOLATION VALVE BOX FOR MANIFOLD WITH VALVE FLOWS LARGER THAN 60 GPM. REDUCE TO VALVE SIZE AT FITTING THAT SERVICES THE REMOTE CONTROL VALVES
10. SCH. 80 90° TO RAISE PIPE TO VALVE DEPTH AND SCH 80 TEE (SxSxS). TO SERVICE VALVE MANIFOLD.
11. PATH, SIDEWALK, CURB, ETC.

3 SAMPLE VALVE MANIFOLD LAYOUT DETAIL

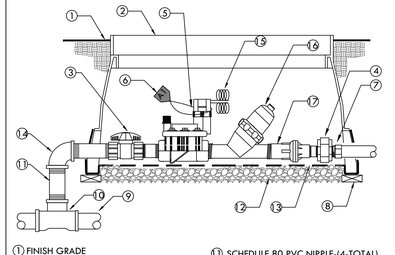
SCALE: NONE



1. 14" X 19" RECTANGULAR PLASTIC VALVE BOX WITH BOLT DOWN LID. ONE VALVE PER BOX- NO EXCEPTIONS. INSTALL BOX AS SHOWN IN BOX INSTALLATION DETAIL
2. FINISH GRADE
3. REFER TO IRRIGATION LEGEND
4. SCH 40 PVC REDUCER. UPSIZE AS REQUIRED PER LATERAL PIPE SIZING ON THE PLANS
5. 18 GAUGE 1/2" SQUARE STAINLESS STEEL WIRE MESH. WRAP UP SIDES OF THE BOX. ANCHOR TO BOX WITH S.S. SCREWS AND WASHER AS REQUIRED.
6. PEA GRAVEL OR 3/4" DRAIN ROCK- 4" DEEP BELOW VALVE (NO SOIL IN VALVE BOX).
7. SCHEDULE 80 MALE ADAPTER. MATCH VALVE SIZE
8. SCHEDULE 80 PVC THREADED UNION
9. REMOTE CONTROL VALVE
10. SCHEDULE 80 PVC UNION BALL VALVE (ONE PER VALVE)
11. SCHEDULE 80 PVC NIPPLES (3 TOTAL) LENGTHS AS REQUIRED. MATCH VALVE SIZE
12. BRICK-ONE ON EACH CORNER
13. SCH 80 PVC 90° OR TEE FROM VALVE MANIFOLD. REDUCE TO VALVE SIZE AT THIS FITTING.
14. VALVE I.D. TAG (CONTROLLER AND STATION NUMBER).
15. 3" MIN 6" MAX
16. VALVE CONTROL WIRE- PROVIDE 3M-DBY-6 SEAL PACKS AT ALL SPLICES AND 36" OF EXCESS UF WIRE IN A 1" DIAMETER COIL

4 REMOTE CONTROL VALVE (MANIFOLD)

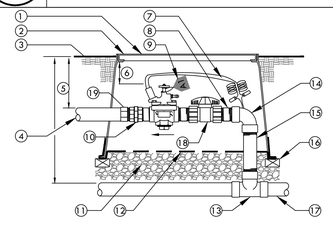
SCALE: NONE



1. FINISH GRADE
2. RECTANGULAR JUMBO 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
6. VALVE I.D. TAG (CONTROLLER AND STATION NUMBER).
7. SCHEDULE 40 MALE ADAPTER
8. BRICK-1 EACH CORNER.
9. PVC MAIN LINE.
10. SCHEDULE 40 OR 80 PVC TEE. REFER TO LEGEND FOR TYPE.
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.
16. DISC FILTER
17. PRESSURE REGULATOR (40 PSI)

5 REMOTE CONTROL VALVE (DRIPZONE)

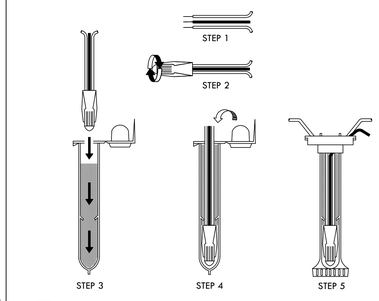
SCALE: NONE



1. REMOTE CONTROL VALVE WITH FLOW CONTROL AND MANUAL BLEED (PRESSURE REGULATOR WHERE SHOWN ON PLANS).
2. USE A NDS PRO SERIES 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.
3. FINISH GRADE.
4. PVC LATERAL LINE.
5. REFER TO IRRIGATION SPECS.
6. 3" [75mm] MIN, 6" [150mm] MAX.
7. VALVE CONTROL WIRE- PROVIDE SEAL PACKS AT ALL SPLICES AND 3' [1m] OF EXCESS UF WIRE IN A 1" [25mm] DIAMETER COIL.
8. SCHEDULE 80 PVC NIPPLE (3 TOTAL).
9. VALVE I.D. TAG (CONTROLLER AND STATION NUMBER)
10. SCHEDULE 80 PVC THREADED UNION.
11. PEA GRAVEL OR 3/4" DRAIN ROCK- 4" [100mm] DEEP BELOW VALVE (NO SOIL IN VALVE BOX).
12. 19 GAUGE 1/2" [12mm] SQUARE WIRE MESH.
13. SCHEDULE 40 OR 80 PVC TEE. REFER TO LEGEND FOR TYPE.
14. SCHEDULE 80 PVC 90° ELBOW (TxT).
15. SCHEDULE 80 PVC NIPPLE- LENGTH AS REQUIRED.
16. BRICK-1 EACH CORNER.
17. PVC MAIN LINE.
18. SCHEDULE 80 PVC UNION BALL VALVE (ONE PER VALVE).
19. SCHEDULE 40 MALE ADAPTER

6 REMOTE CONTROL VALVE - SOLVENT WELD MAIN LINE

SCALE: NONE

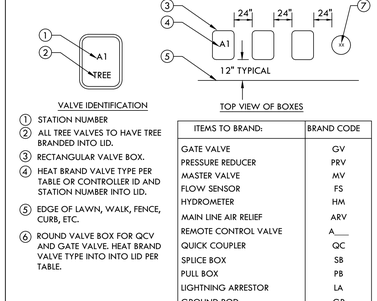


NOTE:
MAXIMUM # OF WIRES PER CONNECTOR:
- 3-#14 GAUGE
- 2-#12 GAUGE

INSTRUCTIONS:
1. STRIP WIRES APPROXIMATELY 1/2" FROM ENDS TO EXPOSE WIRE.
2. TWIST CONNECTOR AROUND WIRES CLOCKWISE UNTIL HAND TIGHT, DO NOT OVERTIGHTEN.
3. INSERT WIRE ASSEMBLY TO BOTTOM OF GEL-FILLED TUBE. CHECK TO MAKE SURE CONNECTOR HAS BEEN PUSHED PAST LOCKING FINGERS AND IS SEATED AT THE BOTTOM OF THE TUBE.
4. PLACE WIRES WHICH EXIT TUBE IN WIRE EXIT HOLES AND CLOSE CAP UNTIL IT SNAPS.
5. INSPECT FINAL SPLICE ASSEMBLY THAT IT IS SECURED.

7 WEATHERPROOF WIRE SPLICE ASSEMBLY

SCALE: NONE



VALVE IDENTIFICATION

TOP VIEW OF BOXES

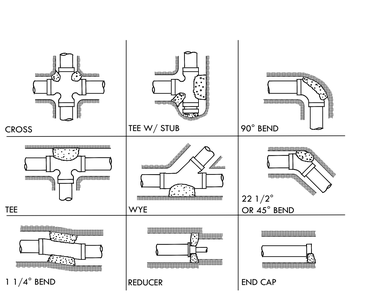
1. STATION NUMBER
2. ALL TREE VALVES TO HAVE TREE BRANDED INTO LID.
3. RECTANGULAR VALVE BOX.
4. HEAT BRAND VALVE TYPE PER TABLE OR CONTROLLER ID AND STATION NUMBER INTO LID.
5. EDGE OF LAWN, WALK, FENCE, CURB, ETC.
6. ROUND VALVE BOX FOR QCV AND GATE VALVE. HEAT BRAND VALVE TYPE INTO INTO LID PER TABLE.

ITEMS TO BRAND:	BRAND CODE
GATE VALVE	GV
PRESSURE REDUCER	PRV
MASTER VALVE	MV
FLOW SENSOR	FS
HYDROMETER	HM
MAIN LINE AIR RELIEF	ARV
REMOTE CONTROL VALVE	A___
QUICK COUPLER	QC
SPLICE BOX	SB
PULL BOX	PB
LIGHTNING ARRESTOR	LA
GROUND ROD	GR

INSTRUCTIONS:
1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
2. SET BOXES 1" 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.

8 VALVE BOX INSTALLATION

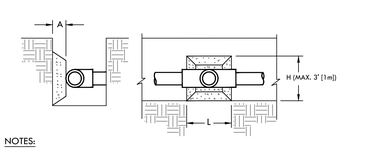
SCALE: NONE



1. CONCRETE THRUST BLOCK SHALL HAVE CONTACT WITH FITTING ONLY AND REMAIN CLEAR OF PIPE AND JOINTS.
2. THRUST BLOCK TO BE CONSTRUCTED OF 3000 PSI CONCRETE.
3. BLOCK TO BE POURED AGAINST UNDISTURBED SOIL.

9 THRUST BLOCK

SCALE: NONE



NOTES:
1. DISTANCE "A" TO BE 18" [450mm] MINIMUM FROM FITTING TO UNDISTURBED SOIL. THRUST BLOCKS SHALL BE POURED ONLY AGAINST UNDISTURBED EARTH.
2. REFER TO THRUST BLOCK CHART FOR DISTANCE "L" AND "H".
3. CONCRETE TO BE SHAPED INTO A WEDGE WITH THE WIDE END AGAINST THE SOLID WALL OF THE TRENCH.
4. THRUST BLOCKING APPLIES TO 3" [75mm] AND LARGER PIPE ONLY.
5. CONCRETE SHALL BE KEPT BEHIND THE BELL OF THE FITTING WITH THE CONCRETE NOT PERMITTED TO RUN OVER AGAINST THE PIPE OR ONTO THE JOINT.

PIPE SIZE	90° BEND		45° BEND		TEES,DEADENDS &VALVES	
	BEARING AREA (SQUARE FT.)	L x H	BEARING AREA (SQUARE FT.)	L x H	BEARING AREA (SQUARE FT.)	L x H
4"	1.7	16"x16"	.93	12"x12"	1.2	14"x14"
6"	3.7	23"x23"	2.0	17"x17"	2.6	20"X20"

THE FIGURES IN THIS CHART ARE BASED ON A WORKING PRESSURE OF 150 PSI.

10 THRUST BLOCK INSTALLATION

SCALE: NONE

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
Landscape Architecture
444 Bryant St
San Francisco, CA 94107
415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
REGISTERED M. GUILFORD NO. 5165
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 RE-BID PS&E DOCUMENTS

BID SET

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANU MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

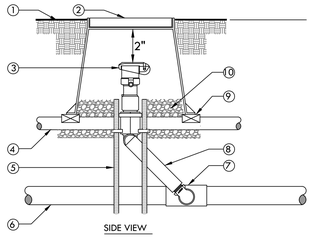
SHEET TITLE

IRRIGATION DETAILS

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
	CM

SHEET NUMBER

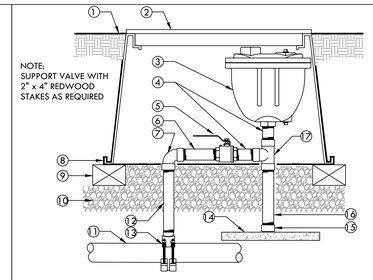
L1-727



INSTALLATION NOTES.
1. ACME O-RING SEALED THREADS ARE TO BE FINGER TIGHTENED AND "BACKED OFF" ONE FULL ROTATION BEFORE INSTALLATION.
2. THE SWING JOINT LAY ARM IS TO BE INSTALLED AT AN ANGLE BETWEEN 30° AND 45°.

1. FINISH GRADE
2. 10" ROUND PLASTIC VALVE BOX WITH BOLT DOWN LID
3. QUICK COUPLING VALVE
4. 1" SCH 40 PVC PIPE STABLIZER. 12" LENGTH
5. 2-#4 REBAR. 24" IN LENGTH
6. SUB MAIN LINE
7. LASCO HEAVY TURF 2" SERVICE TEE WITH A 1.5" ACME OUTLET (SxSxACME) LASCO MODEL #302251
8. FOR 1" Q.C.V. USE LASCO 1" SWING JOINT, 1½" ACME INLET X 1" SNAP-LOC BRASS MIPT OUTLET, MODEL #G1MS-218. FOR 1½" Q.C.V., USE LASCO 1½" SWING JOINT, 1½" ACME INLET X 1½" SNAP-LOC BRASS MIPT OUTLET, MODEL #G3MS-218.
9. BRICK - 2 TOTAL.
10. PEA GRAVEL- 4" DEEP BELOW VALVE (NO SOIL IN VALVE BOX).

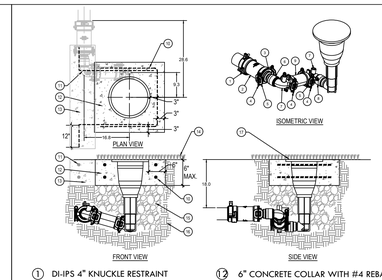
1 QUICK COUPLING VALVE
SCALE: NONE



NOTE:
SUPPORT VALVE WITH 2" x 4" REDWOOD STAKES AS REQUIRED

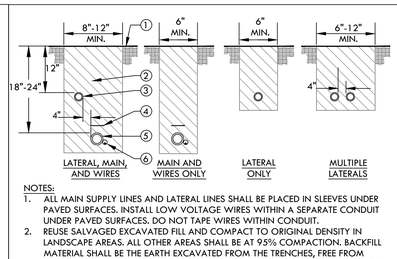
1. FINISH GRADE
2. CARSON 1730 -15" DEPTH BOX. COLORED BOX AND LID.
3. AIR RELIEF VALVE
4. 1" BRASS NIPPLE (3" IN LENGTH) 2 TOTAL.
5. 1" BRASS BALL VALVE
6. 1" BRASS NIPPLE (4" IN LENGTH)
7. 1" THREADED 90°
8. 18 GAUGE 1/2" SQUARE STAINLESS STEEL WIRE MESH. WRAP UP SIDES OF THE BOX. ANCHOR TO BOX WITH S.S. SCREWS AND WASHER AS REQUIRED.
9. BRICK SUPPORT. (4 TOTAL/ 1 @ EA CORNER).
10. PEA GRAVEL OR 3/4" DRAIN ROCK- 4" DEEP BELOW VALVE (NO SOIL IN VALVE BOX).
11. CL 200 GASKETED PVC MAIN LINE
12. 1" BRASS NIPPLE (LENGTH AS REQUIRED DEPENDING ON MAIN LINE DEPTH). USE BRASS REDUCER BUSING AT TAPPED TEE.
13. CL200 DUCTILE IRON DOUBLE STRAPPED SADDLE WITH 2" THREADED OUTLET. HARCO MODEL 80480H4 (4"), 80680H4 (6"), 80880H4 (8").
14. 12" CONCRETE PAVER SUPPORT BLOCK
15. 1" BRASS CAP
16. 1" BRASS NIPPLE (LENGTH AS REQUIRED DEPENDING ON MAIN LINE DEPTH)
17. 1" BRASS THREADED TEE

2 MAIN LINE AIR RELIEF VALVE
SCALE: NONE



1. DI-IPS 4" KNUCKLE RESTRAINT
2. DI-IPS 4" REPAIR COUPLING
3. DI-IPS 4" TAPT PLUG
4. DI-IPS RETAINER CLIP
5. DI-IPS LINK
6. DI-IPS FSWL x 2 1/2" MNPT ADAPTER
7. DI-IPS 3" LAT90 MSWL x SPIGOT
8. DI-IPS FSWL x 2" MNPT ADAPTER
9. DI-IPS 3" REPAIR COUPLING
10. #4 U BAR WITH TIES AT ENDS
11. #4 HORIZONTAL REBAR TURNED OUT FROM TOP REBAR OF CONCRETE EDGEBAND
12. 6" CONCRETE COLLAR WITH #4 REBAR TO SURROUND BOX
13. EDGEBAND
14. SYNTHETIC TURF
15. 3/4" WASHED GRAVEL BACKFILL.
16. COMPACTED SUB-BASE MATERIAL
17. CONTRACTOR TO ALIGN TOP OF ROTOR TURF CUP TO FINISH GRADE OF TURF (TOP OF INFILL)

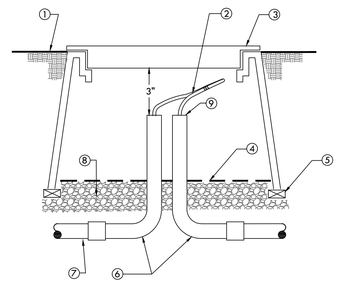
3 TORO TS170 DI SWING JOINT KIT, 4" RESTRAINED GASKET X 2" MNPT HARCO PT #880-04-01
SCALE: NONE



NOTES:
1. ALL MAIN SUPPLY LINES AND LATERAL LINES SHALL BE PLACED IN SLEEVES UNDER PAVED SURFACES. INSTALL LOW VOLTAGE WIRES WITHIN A SEPARATE CONDUIT UNDER PAVED SURFACES. DO NOT TAPE WIRES WITHIN CONDUIT.
2. REUSE SALVAGED EXCAVATED FILL AND COMPACT TO ORIGINAL DENSITY IN LANDSCAPE AREAS. ALL OTHER AREAS SHALL BE AT 95% COMPACTION. BACKFILL MATERIAL SHALL BE THE EARTH EXCAVATED FROM THE TRENCHES, FREE FROM ROCKS (ANYTHING LARGER THAN 2"), CONCRETE CHUNKS, AND OTHER FOREIGN OR COARSE MATERIALS.
3. WHEN 12" POP-UP SPRINKLER HEADS ARE USED, INCREASE THE DEPTH OF LATERAL TO 18" AT THE SPRINKLER LOCATION ONLY.

1. FINISH GRADE.
2. CLEAN BACKFILL MATERIAL.
3. LATERAL LINE.
4. 3" DETECTABLE WARNING TAPE OVER MAIN LINE. INSTALL 3" ABOVE MAIN LINE. USE CHRISTY MODEL #TA-DT-3-BIRR FOR POTABLE IRRIGATION SYSTEMS OR #TA-DT-3-PRW FOR RECYCLED IRRIGATION WATER SYSTEMS
5. MAIN LINE.
6. TWO WIRE CABLE IN CONDUIT

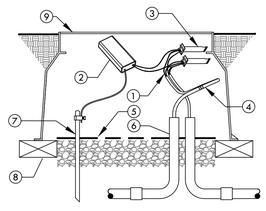
4 TRENCHING
SCALE: NONE



1. FINISH GRADE
2. 24" LOOP OF TWO WIRE CABLE.
3. GREY RECTANGULAR PLASTIC VALVE BOX WITH BOLT DOWN LID. HEAT BRAND "PB" INTO LID.
4. 18 GAUGE 1/2" [13mm] SQUARE STAINLESS STEEL WIRE MESH.
5. BRICK-ONE ON EACH CORNER
6. SCHEDULE 40 PVC SWEEP ELLS
7. SCHEDULE 40 U.L. LISTED PVC CONDUIT
8. PEA GRAVEL OR 3/4" [20mm] DRAIN ROCK - 4" [102mm] DEEP BELOW VALVE (NO SOIL IN VALVE BOX).
9. SEAL ALL CONDUIT OPENINGS WITH WATERPROOF FOAM.

5 IRRIGATION TWO WIRE PULL BOX
SCALE: NONE

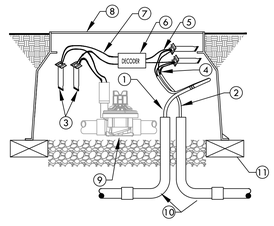
NOTE:
TWO WIRE DECODER SYSTEMS MUST BE PROPERLY GROUNDED IN ORDER TO PROTECT AGAINST LIGHTNING SURGES. THE COMMUNICATION CABLE MUST BE GROUNDED NO FURTHER THAN 500' FROM ANY DECODER. THE SURGE DEVICE MUST BE A WEATHERTRAK MODEL WT2W-LSP. THE MINIMUM DISTANCE BETWEEN THE SURGE ARRESTOR AND THE GROUND ROD SHOULD BE 3' (91.4CM). WEATHERTRAK RECOMMENDS A SPLIT BOLT CONNECTION TO BE USED TO CONNECT THE SURGE DEVICE TO THE GROUND WIRE WITH A 3M DBY-6 WATERPROOF CONNECTOR.



1. 2-WIRE PATH JACKETED/ TWISTED FROM CONTROLLER. ALLOW A 24" SLACK PER DECODER
2. LIGHTNING ARRESTOR (MODEL WT2W-LSP). 1 EVERY 500' FROM STARTING FROM CONTROLLER.
3. 3M DBR/Y-6 OR APPROVED EQUAL WATERPROOF SPLICE KIT (4 TOTAL)
4. 2-WIRE PATH JACKETED/ TWISTED TO NEXT DECODER
5. 18 GAUGE 1/2" [13mm] SQUARE STAINLESS STEEL WIRE MESH.
6. 1.25" CONDUIT FOR 2 WIRE CABLE WITH LONG SWEEPS IN AND OUT OF EACH VALVE BOX. SEAL ALL CONDUIT OPENINGS WITH WATERPROOF FOAM.
7. INSTALL 5/8" DIAMETER COPPER GROUND ROD OF 8' LENGTH.
8. BRICK-ONE ON EACH CORNER
9. GREY RECTANGULAR PLASTIC VALVE BOX WITH BOLT DOWN LID. HEAT BRAND "GR" INTO LID.

6 LIGHTNING ARRESTOR
SCALE: NONE

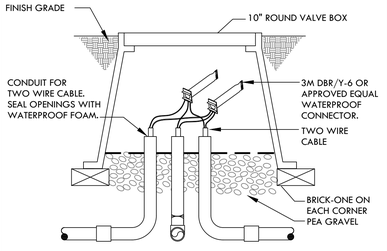
1. ALL DECODERS SHALL HAVE A VALVE NUMBER ADDRESSED AT CONTROLLER PRIOR TO INSTALLATION.
2. USE U.F. SAFETY CABLE STRIPPER BY KING INNOVATION (MODEL NUMBER 46200) FOR ALL TWO-WIRE SPLICE CONNECTIONS.



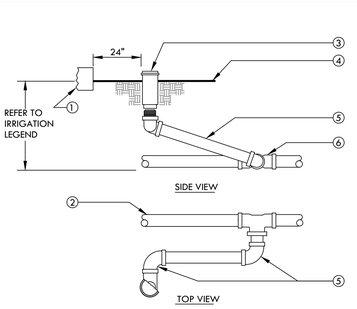
1

1. #14AWG TWO WIRE CABLE FROM CONTROLLER. REFER TO IRRIGATION NOTES FOR MODEL NUMBER OF WIRE. ALLOW A 24" SLACK PER DECODER. USE ELECTRICAL TAPE TO HOLD SLACK CABLES TOGETHER.
2. TWO WIRE CABLE TO NEXT DECODER
3. 3M DBR/Y-6 OR APPROVED EQUAL WATERPROOF SPLICE KIT (4 TOTAL)
4. A MAXIMUM OF 4" OF WIRE SHALL BE STRIPPED FROM TWO WIRE CABLE WHEN SPLICING AT DECODERS.
5. CONNECT CORRECT DECODER WIRES TO TWO WIRE CABLES.
6. DECODER
7. CONNECT CORRECT DECODER WIRES TO VALVE SOLENOID WIRES
8. VALVE BOX. REFER TO REMOTE CONTROL VALVE DETAIL FOR INSTALLATION INSTRUCTIONS.
9. REMOTE CONTROL VALVE. REFER TO REMOTE CONTROL VALVE DETAIL FOR INSTALLATION INSTRUCTIONS.
10. 1.25" CONDUIT FOR 2 WIRE CABLE WITH LONG SWEEPS IN AND OUT OF EACH VALVE BOX. SEAL ALL CONDUIT OPENINGS WITH WATERPROFF FOAM.
11. BRICK-ONE ON EACH CORNER

7 DECODER WIRING IN CONDUIT
SCALE: NONE



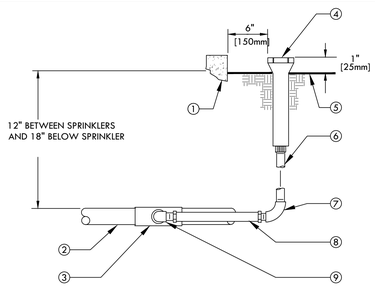
8 2-WIRE SPLICE BOX AT MAIN LINE TEE OR 3 WAY WIRE BRANCH
SCALE: NONE



NOTES:
1. SET SPRINKLER 2" ABOVE FINISH GRADE.

1. WALL, WALK, CURB OR HEADER.
2. PVC LATERAL LINE.
3. POP-UP ROTARY SPRINKLER.
4. FINISH GRADE.
5. UNITIZED SWING JOINT: 3/4"-LASCO MODEL T732-212 1"-LASCO MODEL T932-212.
6. SCHEDULE 40 PVC TEE OR ELBOW WITH THREADED OUTLET.

9 POP-UP ROTARY SPRINKLER - SHRUB
SCALE: NONE



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

10 POP-UP SPRAY SPRINKLER - SHRUB
SCALE: NONE

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
REGISTERED
CHRISTOPHER W. GUILLOTT
No. 6374
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 RE-BID PS&E DOCUMENTS

BID SET

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANU MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

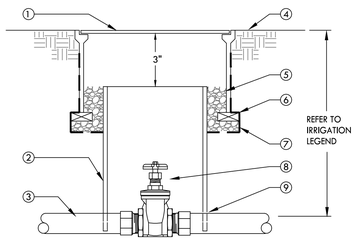
IRRIGATION DETAILS

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
	CM

SHEET NUMBER

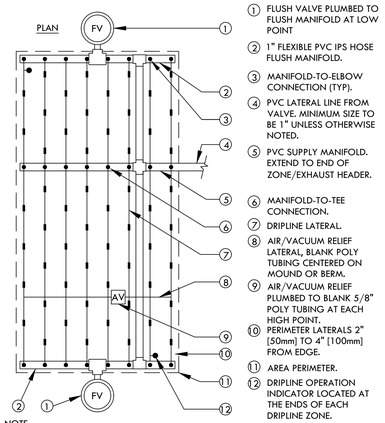
L1-728

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



1. 10" ROUND PLASTIC VALVE BOX WITH BOLT DOWN LID.
2. 8" CLASS 160 OR SCHEDULE 40 PVC PIPE (NOTCH TO FIT OVER MAIN LINE PIPE).
3. PVC MAIN LINE.
4. FINISH GRADE.
5. PEA GRAVEL OR 3/4" DRAIN ROCK - 4" DEEP (NO SOIL IN VALVE BOX).
6. BRICK-2 TOTAL.
7. 19 GAUGE 1/2" SQUARE WIRE MESH. WRAP UP SIDES OF BOX.
8. GATE VALVE WITH X-TOP HANDLE.
9. MALE ADAPTER. REFER TO LEGEND FOR FITTING TYPE.

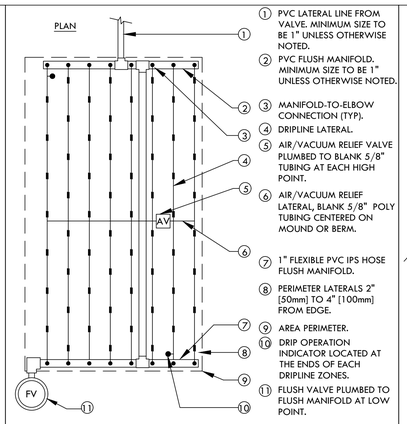
1 GATE VALVE - 3"AND SMALLER
SCALE: NONE



1. FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT
2. 1" FLEXIBLE PVC IPS HOSE FLUSH MANIFOLD.
3. MANIFOLD-TO-ELBOW CONNECTION (TYP).
4. PVC LATERAL LINE FROM VALVE. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED.
5. PVC SUPPLY MANIFOLD. EXTEND TO END OF ZONE/EXHAUST HEADER.
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 5/8" 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 ALL INTERCONNECTED DRIP LINE OFF A SINGLE PVC SUPPLY LINE CONNECTION OR A SINGLE RUN OF DRIPLINE SHALL NOT EXCEED 300 FT.
2. INSTALL DRIPLINE 2-4" BELOW GRADE AND STAKE DOWN EVERY 4' OR AS REQUIRED.

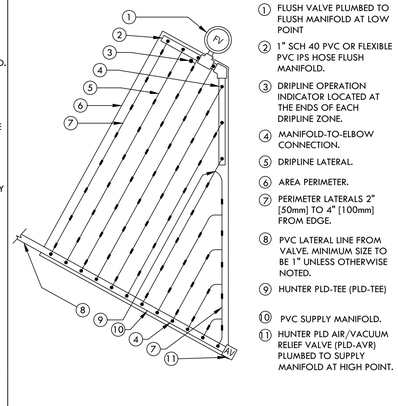
2 HLD DRIPLINE CENTER FEED LAYOUT
SCALE: NONE



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" TUBING AT EACH HIGH POINT.
6. AIR/VACUUM RELIEF LATERAL, BLANK 5/8" POLY TUBING CENTERED ON MOUND OR BERM.
7. 1" FLEXIBLE PVC IPS HOSE 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. FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT.

NOTE:
1. THE TOTAL LENGTH OF ALL INTERCONNECTED DRIP LINE OFF A SINGLE PVC SUPPLY LINE CONNECTION OR A SINGLE RUN OF DRIPLINE SHALL NOT EXCEED 300 FT.
2. INSTALL DRIPLINE 2-4" BELOW GRADE AND STAKE DOWN EVERY 4' OR AS REQUIRED.

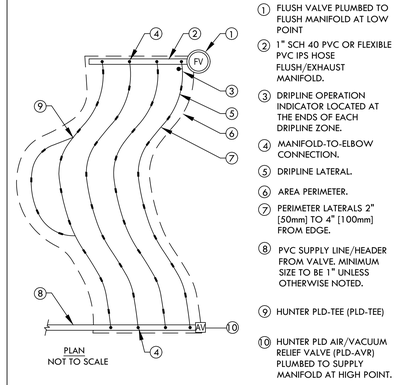
3 HLD DRIPLINE END FEED LAYOUT
SCALE: NONE



1. FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT
2. 1" SCH 40 PVC OR FLEXIBLE PVC IPS HOSE FLUSH MANIFOLD.
3. DRIPLINE OPERATION INDICATOR LOCATED AT THE ENDS OF EACH DRIPLINE ZONE.
4. MANIFOLD-TO-ELBOW CONNECTION.
5. DRIPLINE LATERAL.
6. AREA PERIMETER.
7. PERIMETER LATERALS 2" [50mm] TO 4" [100mm] FROM EDGE.
8. PVC LATERAL LINE FROM VALVE. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED.
9. HUNTER PLD-TEE (PLD-TEE)
10. PVC SUPPLY MANIFOLD.
11. HUNTER PLD AIR/VACUUM RELIEF VALVE (PLD-AVR) PLUMBED TO SUPPLY MANIFOLD AT HIGH POINT.

NOTE:
1. THE TOTAL LENGTH OF ALL INTERCONNECTED DRIP LINE OFF A SINGLE PVC SUPPLY LINE CONNECTION OR A SINGLE RUN OF DRIPLINE SHALL NOT EXCEED 300 FT.
2. INSTALL DRIPLINE 2-4" BELOW GRADE AND STAKE DOWN EVERY 4' OR AS REQUIRED.

4 HLD DRIPLINE TRIANGULAR LAYOUT
SCALE: NONE

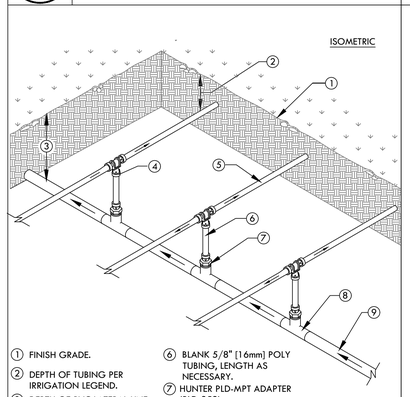


1. FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT
2. 1" SCH 40 PVC OR FLEXIBLE PVC IPS HOSE FLUSH/EXHAUST MANIFOLD.
3. DRIPLINE OPERATION INDICATOR LOCATED AT THE ENDS OF EACH DRIPLINE ZONE.
4. MANIFOLD-TO-ELBOW CONNECTION.
5. DRIPLINE LATERAL.
6. AREA PERIMETER.
7. PERIMETER LATERALS 2" [50mm] TO 4" [100mm] FROM EDGE.
8. PVC SUPPLY LINE/HEADER FROM VALVE. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED.
9. HUNTER PLD-TEE (PLD-TEE)
10. HUNTER PLD AIR/VACUUM RELIEF VALVE (PLD-AVR) PLUMBED TO SUPPLY MANIFOLD AT HIGH POINT.

PLAN
NOT TO SCALE

NOTE:
1. THE TOTAL LENGTH OF ALL INTERCONNECTED DRIP LINE OFF A SINGLE PVC SUPPLY LINE CONNECTION OR A SINGLE RUN OF DRIPLINE SHALL NOT EXCEED 300 FT.
2. INSTALL DRIPLINE 2-4" BELOW GRADE AND STAKE DOWN EVERY 4' OR AS REQUIRED.

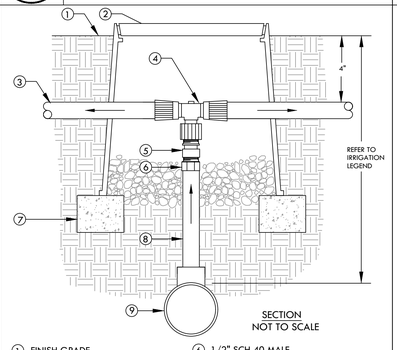
5 HLD DRIPLINE ODD CURVE LAYOUT
SCALE: NONE



1. FINISH GRADE.
2. DEPTH OF TUBING PER IRRIGATION LEGEND.
3. DEPTH OF PVC LATERAL LINE PER IRRIGATION LEGEND
4. HUNTER PLD-TEE (PLD-TEE)
5. DRIPLINE TUBING.
6. BLANK 5/8" [16mm] POLY TUBING, LENGTH AS NECESSARY.
7. HUNTER PLD-MPT ADAPTER (PLD-050)
8. PVC TEE (SxSxT) WITH 1/2" [13mm] FPT OUTLET.
9. PVC LATERAL LINE FROM REMOTE CONTROL VALVE.

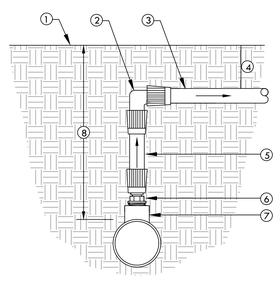
NOTE:
THE TOTAL LENGTH OF A SINGLE DRIP LINE RUN SHALL NOT EXCEED 300 FT.

6 HLD DRIPLINE CENTER FEED MANIFOLD
SCALE: NONE



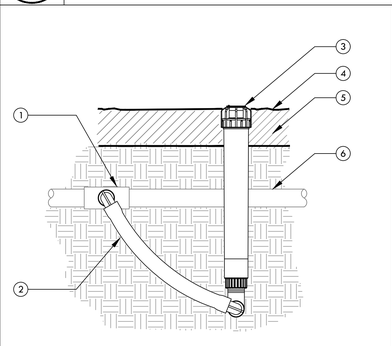
1. FINISH GRADE
2. CARSON 708 OR EQUAL. COLOR: BLACK. USE PURPLE FOR RECYCLED WATER SYSTEMS.
3. DRIPLINE TUBING
4. HUNTER PLD-TEE X 1/2" FPT ADAPTER
5. TORO 1/2" CHECK VALVE (PCV-500)
6. 1/2" SCH 40 MALE ADAPTER.
7. BRICK (1 OF 2)
8. 1/2" SCH 40 PVC (LENGTH AS REQUIRED)
9. PVC LATERAL LINE SUPPLY. MINIMUM SIZE TO BE 1" UNLESS SIZED DIFFERENTLY ON DRAWINGS. USE SCH 40 PVC 1"x1"x1/2" TEE OR 90° ELBOW.

7 DRIPLINE TO PVC CONNECTION
SCALE: NONE



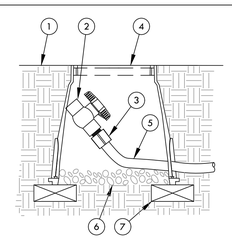
1. FINISH GRADE
2. HUNTER PLD-ELBOW (PLD-ELB)
3. DRIPLINE TUBING
4. DEPTH OF TUBING PER IRRIGATION LEGEND.
5. BLANK 5/8" [16mm] POLY TUBING, LENGTH AS NECESSARY.
6. HUNTER PLD-MPT ADAPTER (PLD-050)
7. SCH 40 PVC TEE (SxSxT) WITH 1/2" FPT OUTLET.
8. DEPTH OF PVC LATERAL LINE PER IRRIGATION LEGEND

8 DRIPLINE MANIFOLD TO ELBOW CONNECTION
SCALE: NONE



1. UPC APPROVED SCHEDULE 40 PVC TEE, ELBOW OR BARB x THREAD DRIP FITTING TEE OR ELBOW WITH 3/4" OUTLET.
2. 1/2" X 3/4" X 6" HUNTER SWING JOINT (SJ-7506)
3. ECO INDICATOR
4. FINISHED GRADE
5. MULCH
6. PVC LATERAL PIPE OR DRIPLINE

9 DRIPLINE OPERATION INDICATOR
SCALE: NONE



NOTE:
ALLOW A MINIMUM OF PVC HOSE IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.

1. FINISH GRADE
2. 1/2" SCH 40 THREADED BALL VALVE.
3. 1/2" SCH 40 MALE ADAPTER.
4. 6" ROUND PLASTIC VALVE BOX.
5. 1" IPS PVC HOSE FROM EXHAUST HEADER.
6. PEA GRAVEL SUMP (6" DEEP).
7. BRICK (1 OF 2)

10 DRIPLINE-FLUSH POINT
SCALE: NONE

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



PHASE

PHASE 1 RE-BID PS&E DOCUMENTS

BID SET

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

SHEET TITLE

IRRIGATION DETAILS

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
	CM

SHEET NUMBER

L1-729

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

IRRIGATION WATER USE CALCULATIONS

FLOOD PARK - WATER USE ESTIMATION & IRRIGATION SCHEDULE

WATER TYPE	POTABLE
CITY	Menlo Park
ETO	42.9
DATE	10/27/2023

Nearest City to project with published ET data

REGULAR LANDSCAPE AREAS

STATION/HYDROZONE	GPM	AREA (sq.ft) (HA)	WATER USE TYPE (LW=LOW, MW=MOD, HW=HIGH)	PLANT TYPE	IRRIGATION TYPE	PLANT FACTOR (PF)	IRRIGATION EFFICIENCY (IE)	PRECIP. RATE/ APPLICATION RATE (IN/HR)	ETAF (PF/IE)	CYCLES PER DAY	DAYS PER WEEK	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ETWU (GALLONS PER YEAR)	PERCENTAGE OF LANDSCAPE
												MONTHLY ETO													
												1.5	1.8	2.9	3.8	5.2	5.3	6.2	5.6	4.8	3.1	1.7	1.0		
												TOTAL RUN TIME IN MINUTES PER DAY													
A-1	7	2496	HW	TREE HW	ROTATING NOZZLES	0.8	0.75	0.6	1.1	2	3	0.0	0.0	24.0	31.0	42.0	43.0	50.0	45.0	39.0	25.0	14.0	0.0	70,815	2%
A-2	6	2021	HW	TREE HW	ROTATING NOZZLES	0.8	0.75	0.6	1.1	3	3	0.0	0.0	24.0	31.0	42.0	43.0	50.0	45.0	39.0	25.0	14.0	1.0	57,338	1%
A-3	12	1264	LW	SHRUB GC LW	DRIP LINE 12"	0.2	0.81	0.9	0.2	4	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	4.0	2.0	8,301	1%
A-4	14	1428	LW	SHRUB GC LW	DRIP LINE 12"	0.2	0.81	0.9	0.2	5	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	4.0	3.0	9,378	1%
A-5	6	642	LW	SHRUB GC LW	DRIP LINE 12"	0.2	0.81	0.9	0.2	5	2	0.0	0.0	6.0	8.0	10.0	10.0	12.0	11.0	9.0	6.0	4.0	3.0	4,216	0%
A-6	4	1362	HW	TREE HW	ROTATING NOZZLES	0.8	0.75	0.6	1.1	6	3	0.0	0.0	24.0	31.0	42.0	43.0	50.0	45.0	39.0	25.0	14.0	4.0	38,642	1%
A-7	5	1602	HW	TREE HW	ROTATING NOZZLES	0.8	0.75	0.6	1.1	7	2	0.0	0.0	35.0	46.0	63.0	64.0	75.0	68.0	58.0	38.0	21.0	5.0	45,451	1%
A-8	7	1199	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	16	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	14.0	8,504	1%
A-9	7	1212	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	17	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	15.0	8,596	1%
A-10	9	2281	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	18	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	16.0	16,179	2%
A-11	8	1893	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	20	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	18.0	13,427	1%
A-12	11	1926	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	21	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	19.0	13,661	1%
A-13	11	1842	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	22	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	20.0	13,065	1%
A-14	8	1986	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	23	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	21.0	14,086	1%
A-15	14	3080	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	24	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	22.0	21,846	2%
A-16	9	1847	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	25	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	23.0	13,100	1%
A-17	26	4935	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	26	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	24.0	35,003	4%
A-18	7	1345	MW	BIOSWALE MW	ROTATING NOZZLES	0.5	0.75	0.6	0.7	27	3	0.0	0.0	15.0	20.0	27.0	27.0	32.0	29.0	25.0	16.0	9.0	25.0	23,850	1%
A-19	13	2758	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	28	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	26.0	19,562	2%
A-20	4	693	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	29	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	27.0	4,915	1%
A-21	7	13714	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	30	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	28.0	97,271	10%
A-22	6	1458	HW	TREE HW	ROTATING NOZZLES	0.8	0.75	0.6	1.1	31	3	0.0	0.0	24.0	31.0	42.0	43.0	50.0	45.0	39.0	25.0	14.0	29.0	41,365	1%
A-23	5	1350	HW	TREE HW	ROTATING NOZZLES	0.8	0.75	0.6	1.1	32	3	0.0	0.0	24.0	31.0	42.0	43.0	50.0	45.0	39.0	25.0	14.0	30.0	38,301	1%
A-24	6	1439	HW	TREE HW	ROTATING NOZZLES	0.8	0.75	0.6	1.1	33	3	0.0	0.0	24.0	31.0	42.0	43.0	50.0	45.0	39.0	25.0	14.0	31.0	40,826	1%
A-25	11	2447	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	34	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	32.0	17,356	2%
A-26	9	2075	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	35	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	33.0	14,718	2%
A-27	6	1342	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	36	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	34.0	9,519	1%
A-28	13	1961	LW	GRASSES LW	ROTORS 180/90 SHORT	0.2	0.75	0.7	0.3	37	2	0.0	0.0	8.0	10.0	14.0	14.0	16.0	15.0	13.0	8.0	5.0	35.0	13,909	1%
A-29	19	3350	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	38	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	36.0	23,761	2%
A-30	13	1746	LW	GRASSES LW	ROTORS 180/90 SHORT	0.2	0.75	0.7	0.3	39	2	0.0	0.0	8.0	10.0	14.0	14.0	16.0	15.0	13.0	8.0	5.0	37.0	12,384	1%
A-31	16	3441	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	40	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	38.0	24,406	3%
A-32	5	847	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	41	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	39.0	6,008	1%
A-33	5	1542	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	42	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	40.0	10,937	1%
A-34	4	936	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	43	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	41.0	6,639	1%
A-35	5	434	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	44	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	42.0	3,078	0%
A-36	10	1614	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	45	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	43.0	11,448	1%
A-37	4	869	MW	BIOSWALE MW	ROTATING NOZZLES	0.5	0.75	0.6	0.7	46	3	0.0	0.0	15.0	20.0	27.0	27.0	32.0	29.0	25.0	16.0	9.0	44.0	15,409	1%
A-38	13	2939	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	46	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	44.0	20,846	2%
A-39	2	391	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	52	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	50.0	2,773	0%
A-40	16	1828	LW	GRASSES LW	ROTATING NOZZLES	0.2	0.75	0.6	0.3	49	2	0.0	0.0	9.0	12.0	16.0	16.0	19.0	17.0	15.0	10.0	6.0	47.0	12,966	1%
A-41	11	1461	LW	GRASSES LW	ROTORS 180/90 SHORT	0.2	0.75	0.7	0.3	50	2	0.0	0.0	8.0	10.0	14.0	14.0	16.0	15.0	13.0	8.0	5.0	48.0	10,363	1%
A-42	16	2749	LW	GRASSES LW	ROTORS 180/90 SHORT	0.2	0.75	0.7	0.3	51	2	0.0	0.0	8.0	10.0	14.0	14.0	16.0	15.0	13.0	8.0	5.0	49.0	19,498	2%
A-43	127	7508	LW	ARTIFICIAL LW	ROTORS 180/90 LONG	0.2	0.75	0.9	0.3	52	2	0.0	0.0	6.0	8.0	11.0	11.0	13.0	12.0	10.0	7.0	4.0	50.0	53,253	5%
A-44	127	9417	LW	ARTIFICIAL LW	ROTORS 180/90 LONG	0.2	0.75	0.9	0.3	53	2	0.0	0.0	6.0	8.0	11.0	11.0	13.0	12.0	10.0	7.0	4.0	51.0	66,793	7%
A-45	127	7508	LW	ARTIFICIAL LW	ROTORS 180/90 LONG	0.2	0.75	0.9	0.3	54	2	0.0	0.0	6.0	8.0	11.0	11.0	13.0	12.0	10.0	7.0	4.0	52.0	53,253	5%
A-46	127	7508	LW	ARTIFICIAL LW	ROTORS 180/90 LONG	0.2	0.75	0.9	0.3	55	2	0.0	0.0	6.0	8.0	11.0	11.0	13.0	12.0	10.0	7.0	4.0	53.0	53,253	5%
A-47	127	9417	LW	ARTIFICIAL LW	ROTORS 180/90 LONG	0.2	0.75	0.9	0.3	56	2	0.0	0.0	6.0	8.0	11.0	11.0	13.0	12.0	10.0	7.0	4.0	54.0	66,793	7%
A-48	127	7508	LW	ARTIFICIAL LW	ROTORS 180/90 LONG	0.2	0.75	0.9	0.3	57	2	0.0	0.0	6.0	8.0	11.0	11.0	13.0	12.0	10.0	7.0	4.0	55.0	53,253	5%
	TOTAL	136,611																					TOTAL	1,240,311	100%

SPECIAL LANDSCAPE AREAS

HYDROZONE #	HYDROZONE NAME	AREA (sq.ft) (HA)	Percentage of Landscape
A-42 - A-47	ARTIFICIAL TURF	48,886	36%

MAWA	GALLONS/YR	1,635,111
	ACRE FEET/YR	5.02
	HCF/YR	2,185.98
ETWU	GALLONS/YR	1,240,311
	ACRE FEET/YR	3.81
	HCF/YR	1,658.17

SITE IRRIGATION EFFICIENCY	SITE PLANT FACTOR	MAWA COMPLIANT
47.5%	0.18	YES

ETAF Calculations	
REGULAR LANDSCAPE AREAS	
TOTAL ETAF x AREA	33,248
TOTAL AREA	136,611
AVG. ETAF	24.34%

THE IRRIGATION VALVE SCHEDULE SHOWN ABOVE IS INTENDED TO BE USED AS A GUIDELINE ONLY AND INDICATES THE APPROXIMATE RUN TIMES IN MINUTES FOR EACH VALVE BASED ON ESTIMATED WEEKLY WATER REQUIREMENTS FOR ESTABLISHED PLANT MATERIAL. THE TIMES SHOWN ARE APPROXIMATE AND HAVE BEEN DEVELOPED FROM LOCAL AND CURRENT AVERAGES FOR EVAPOTRANSPIRATION, AND REFLECTTHE WATER REQUIREMENTS OF THE PLANT MATERIAL BASED ON PLANT TYPE AND THE APPROXIMATE PRECIPITATION OR APPLICATION RATES OF THE IRRIGATION SYSTEM TYPE. ACTUAL RUN TIMES MAY BE DIFFERENT DEPENDING ON A VARIETY OF FACTORS INCLUDING TOPOGRAPHY, SOIL STRUCTURE, SUN AND WIND EXPOSURE, WEATHER, ACTUAL PLANT WATER REQUIREMENTS, OVERALL PRECIPITATION RATE OF ZONE, ETC.

MAWA FORMULA

MAXIMUM APPLIED WATER ALLOWANCE (MAWA) GALLONS PER YEAR

MAWA = (ETo)(0.62)((LA x 0.45) + (0.55 x SLA))

ETo = REFERENCE EVAPOTRANSPIRATION

0.45= ET ADJUSTMENT FACTOR

LA=LANDSCAPED AREA (SQUARE FEET)
0.62 = CONVERSION FACTOR (GALLONS/SQ.FT/YR)

ETWU FORMULA

ESTIMATED TOTAL WATER USE (ETWU) GALLONS PER YEAR

ETWU= ((ETO)(.62)(ETAF x LA))

ETo = REFERENCE EVAPOTRANSPIRATION

PF = PLANT FACTOR FOR HYDROZONES

HA = HYDROZONE AREA (SQ.FT)
0.62 = CONVERSION FACTOR (GALLONS/SQ.FT/YR)

IE = IRRIGATION EFFICIENCY (0.81)-BUBBLER/DRIP

IE = IRRIGATION EFFICIENCY (0.75)-ROTORS/SPRAY

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

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHERYL M. QUILLMAN
No. 5140
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 RE-BID
PS&E DOCUMENTS

BID SET

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST.LLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

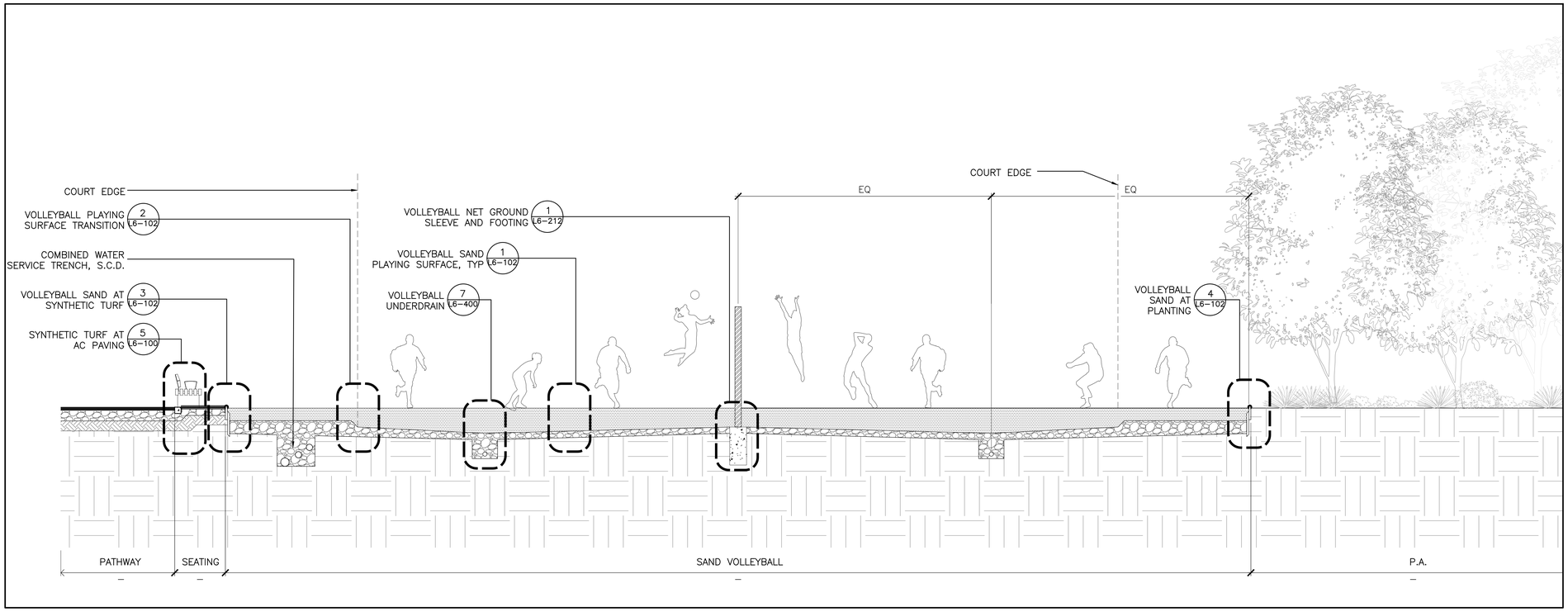
SHEET TITLE

IRRIGATION
DETAILS & CALCS

PROJECT	DRAWN BY
CSM 2101	MS, DM
SCALE	CHECKED BY
	CM

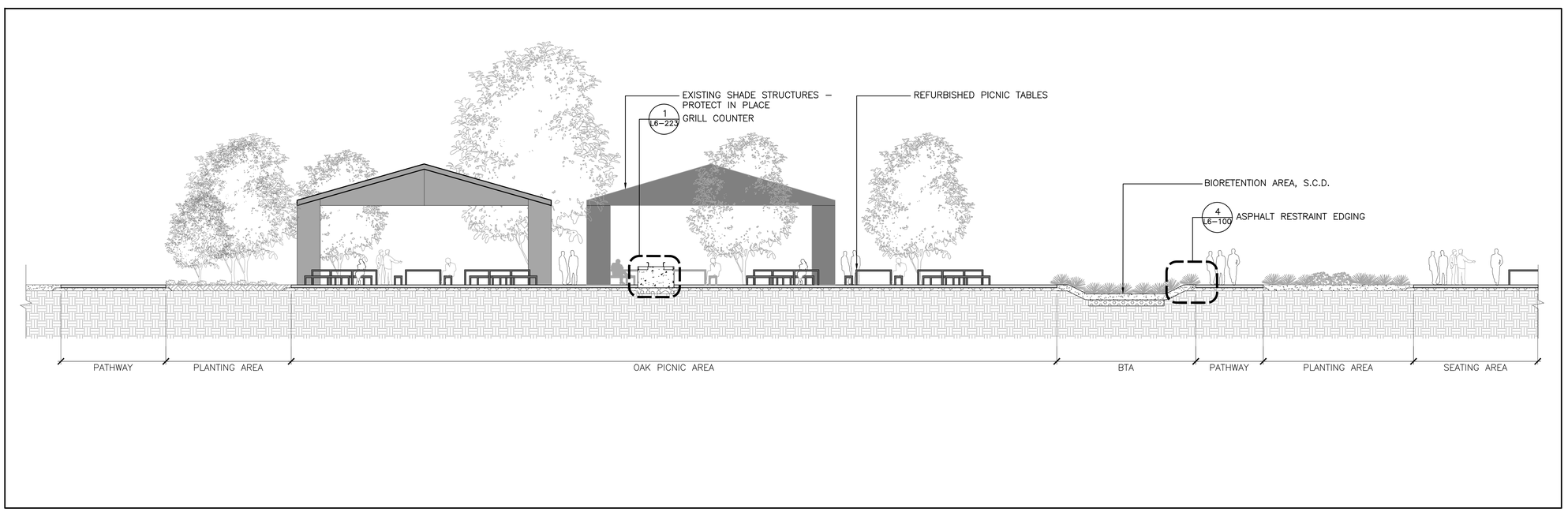
SHEET NUMBER

L1-730



2 SECTION - VOLLEYBALL

SCALE: 1/4"=1'-0"



1 SECTION - OAK PICNIC AREA

SCALE: 1/8"=1'-0"

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444 Bryant St
San Francisco, CA 94107
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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No.
Signature
Date
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

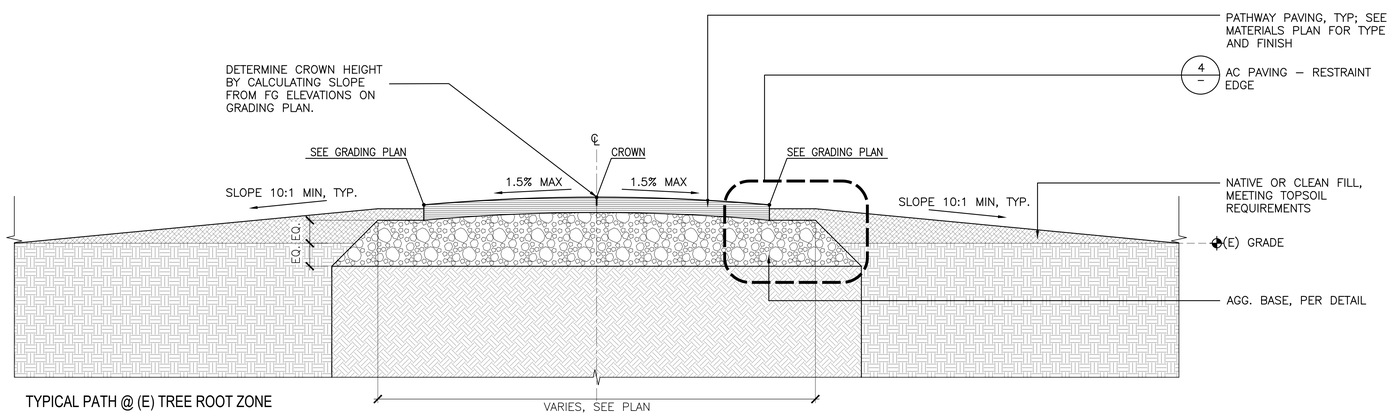
SHEET TITLE

SITE SECTIONS

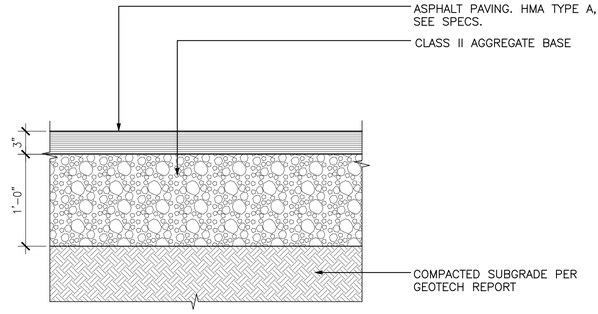
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

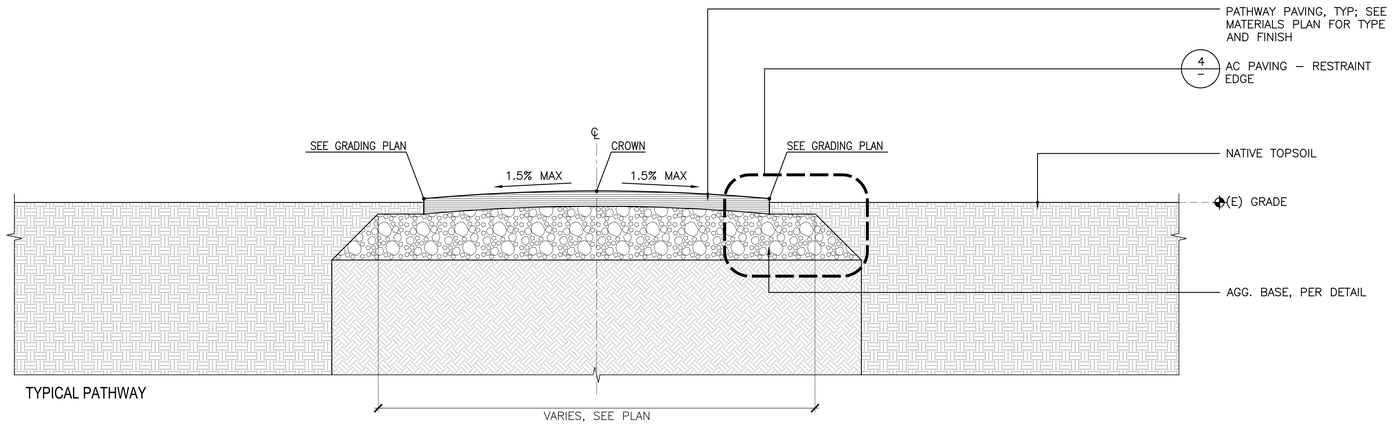
L2-100



TYPICAL PATH @ (E) TREE ROOT ZONE

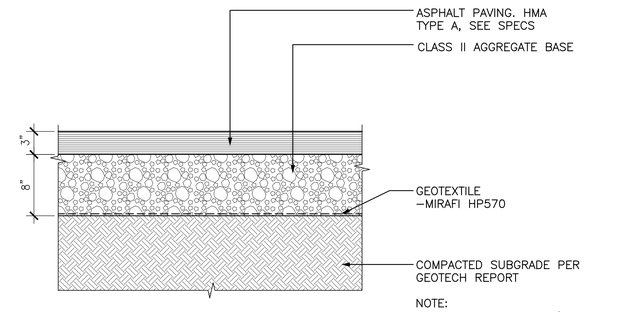


3 | AC PAVING - VEHICULAR | SCALE: 1 1/2"=1'-0"



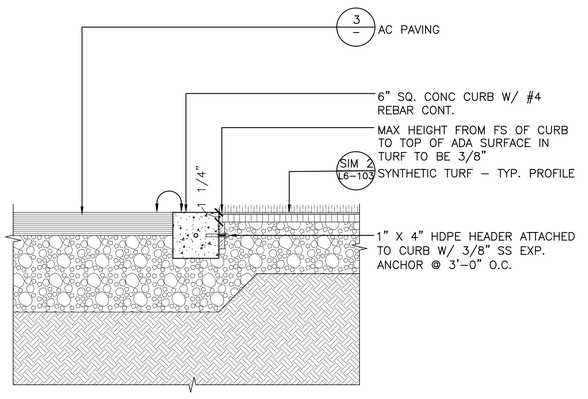
TYPICAL PATHWAY

6 | PATHWAY GRADING SECTION | SCALE: 1 1/2"=1'-0"



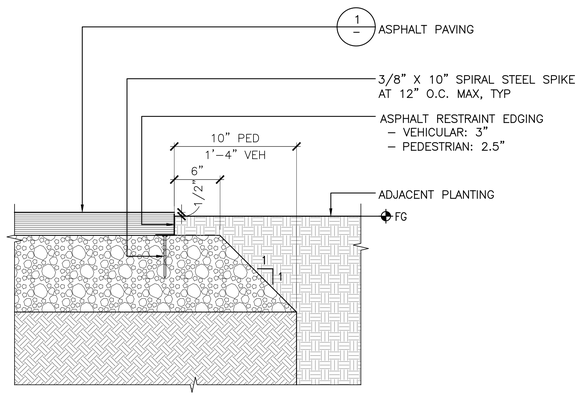
NOTE:
SUBGRADES WITHIN CRZ'S AS IDENTIFIED ON THE TREE PROTECTION PLANS SHALL BE SCARIFIED A MAXIMUM OF 2–3 IN.

2 | AC PAVING AT EXISTING TREE - VEHICULAR | SCALE: 1 1/2"=1'-0"



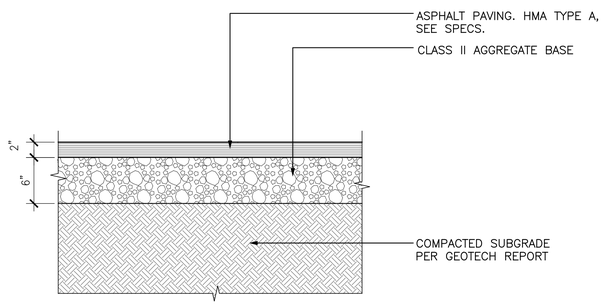
NOTE:
1. LANDSCAPE ARCHITECT TO REVIEW CURB LAYOUT PRIOR TO INSTALLATION AND AFTER INSTALLATION BEFORE ASPHALT PLACEMENT

5 | AC PAVING AT SYNTHETIC TURF AT VOLLEYBALL COURT | SCALE: 1 1/2"=1'-0"



NOTE:
1. LANDSCAPE ARCHITECT TO REVIEW EDGING LAYOUT PRIOR TO INSTALLATION AND AFTER INSTALLATION BEFORE ASPHALT PLACEMENT

4 | AC PAVING - RESTRAINT EDGING | SCALE: 1 1/2"=1'-0"



1 | AC PAVING - PEDESTRIAN | SCALE: 1 1/2"=1'-0"

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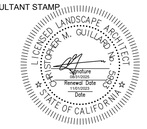
MENLO PARK, CA 94025

CONSULTANT STAMP



PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

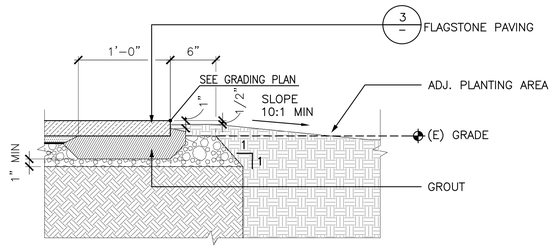
SHEET TITLE

PAVING DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

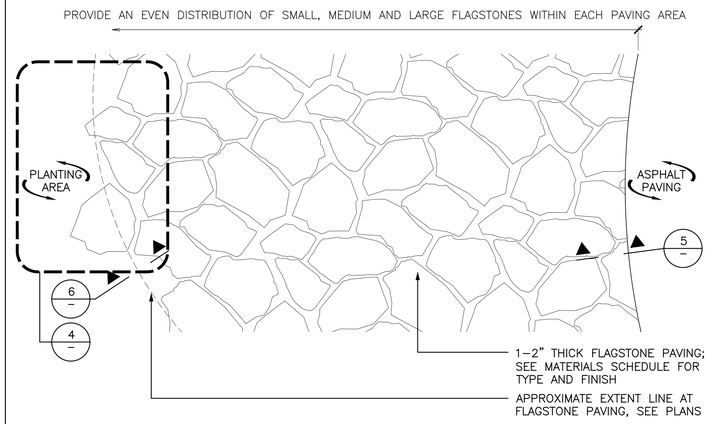
SHEET NUMBER

L6-100

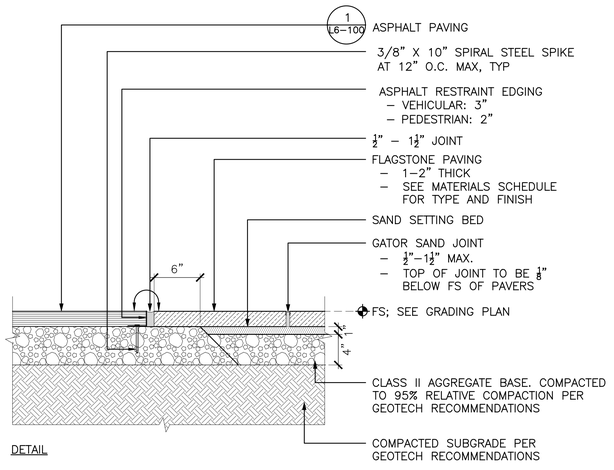


6 FLAGSTONE PAVING AT PLANTING — SCALE: 1 1/2"=1'-0"

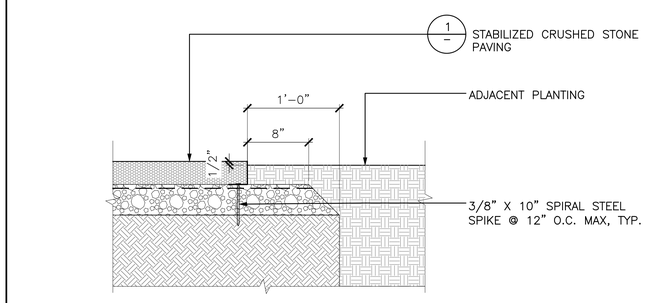
FLAGSTONE SIZES:
SMALL: MIN. 12"X 18" (+/– 25% OF AREA)
MEDIUM: MIN. 18" X 24" (+/– 50% OF AREA)
LARGE: MIN. 24" X 36" (+/– 25% OF AREA)



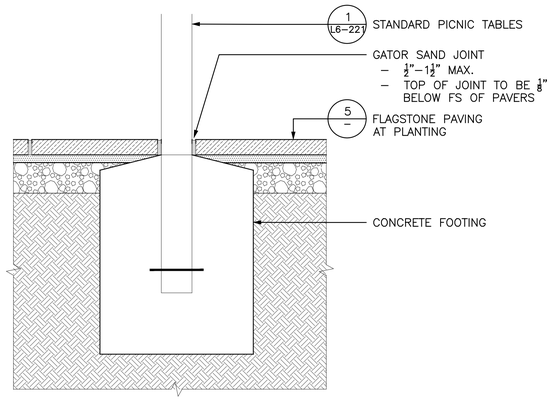
3 FLAGSTONE PAVING LAYOUT - TYP — SCALE: NTS



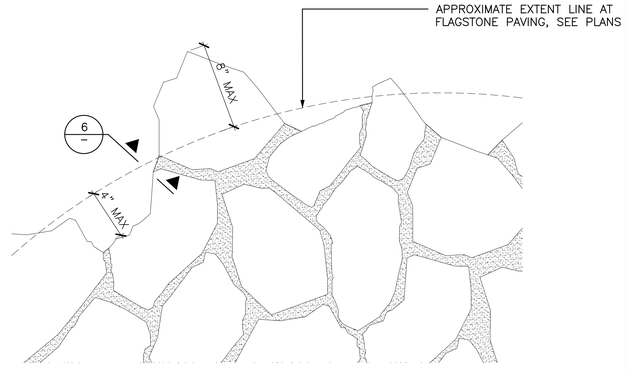
5 FLAGSTONE PAVING AT AC PAVING — SCALE: 1 1/2"=1'-0"



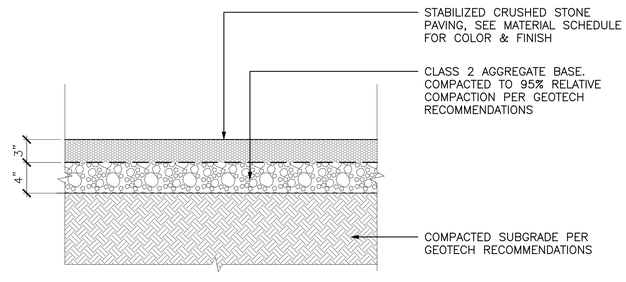
2 STABILIZED CRUSHED STONE PAVING - AT PLANTING — SCALE: 1 1/2"=1'-0"



7 FLAGSTONE AT PICNIC TABLE FOOTING — SCALE: 1 1/2"=1'-0"



4 FLAGSTONE PAVING LAYOUT AT PLANTING EDGE — SCALE: NTS



1 STABILIZED CRUSHED STONE PAVING — SCALE: 1 1/2"=1'-0"

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444 Bryant St
San Francisco, CA 94107
415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



PHASE

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COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

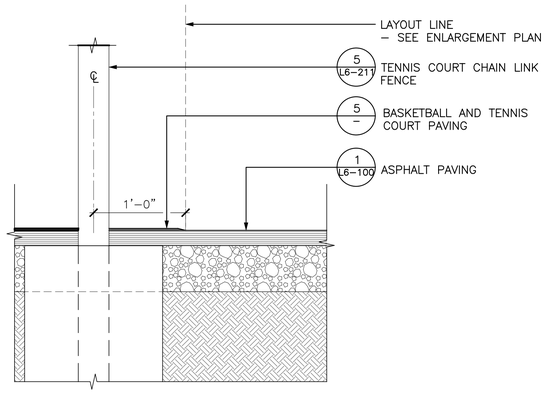
SHEET TITLE

PAVING DETAILS

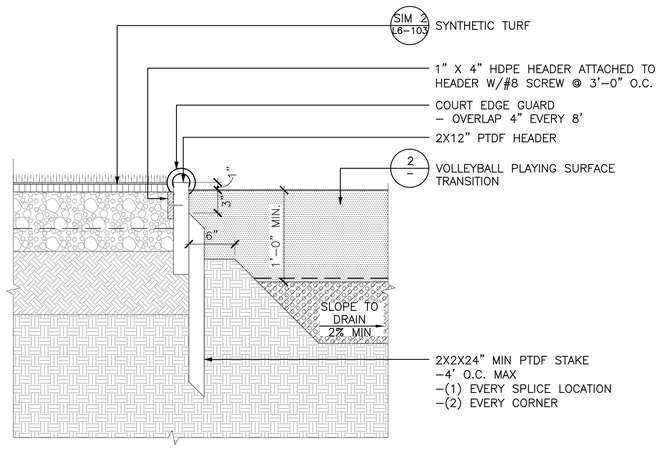
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

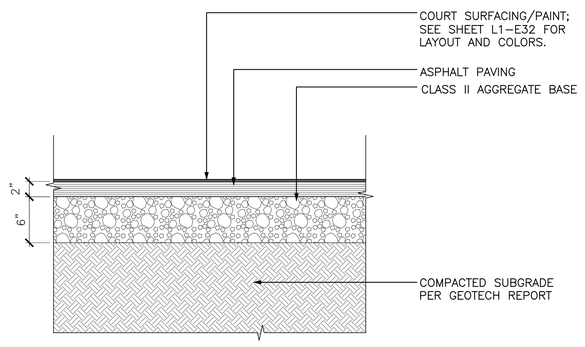
L6-101



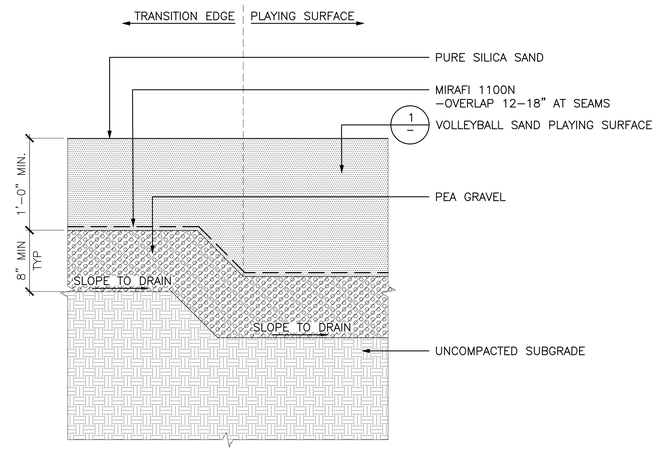
6 | SPORTS COURT AT AC PAVING PED. | SCALE: 1 1/2"=1'-0"



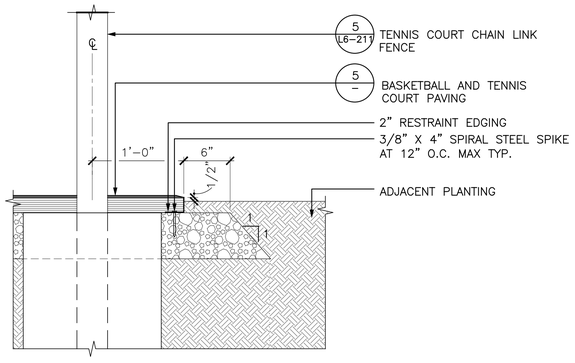
3 | VOLLEYBALL SAND AT SYNTHETIC TURF | SCALE: 1 1/2"=1'-0"



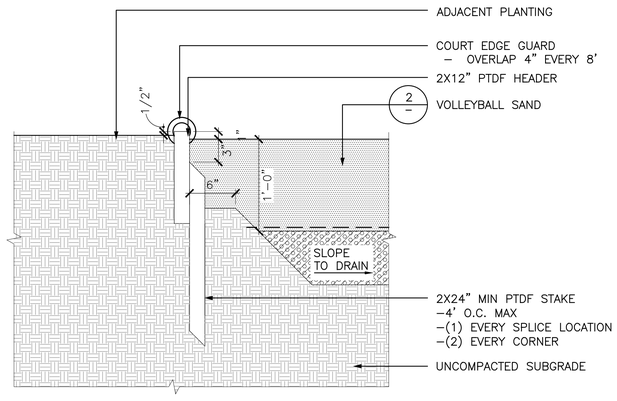
5 | BASKETBALL AND TENNIS COURT PAVING | SCALE: 1 1/2"=1'-0"



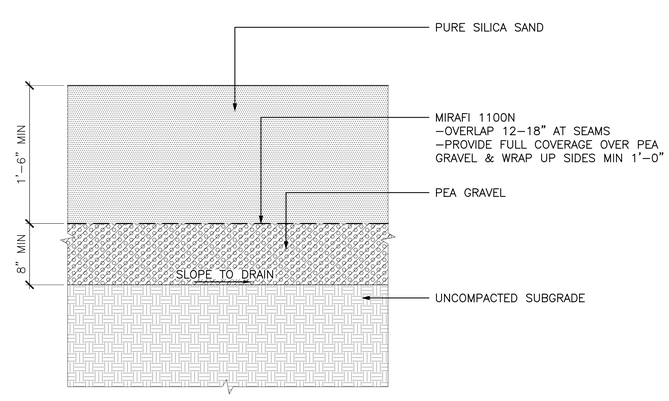
2 | VOLLEYBALL PLAYING SURFACE TRANSITION | SCALE: 1 1/2"=1'-0"



7 | SPORTS COURT AT PLANTING | SCALE: 1 1/2"=1'-0"



4 | VOLLEYBALL SAND AT PLANTING | SCALE: 1 1/2"=1'-0"



1 | VOLLEYBALL SAND PLAYING SURFACE, TYP. | SCALE: 1 1/2"=1'-0"

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
REGINALD M. GUILLARD No. 5165
Signature
Registration Number
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANU MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

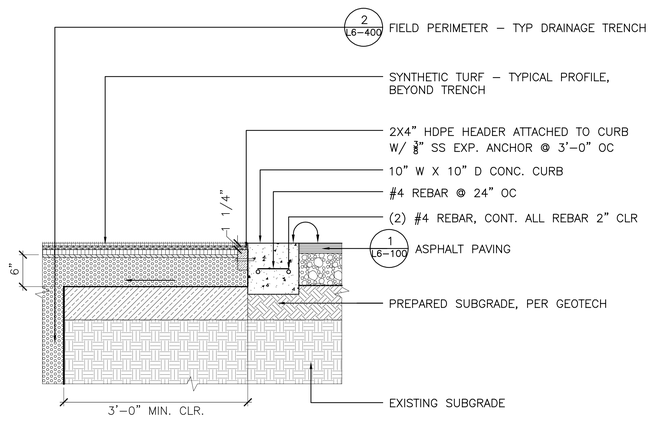
SHEET TITLE

PAVING DETAILS

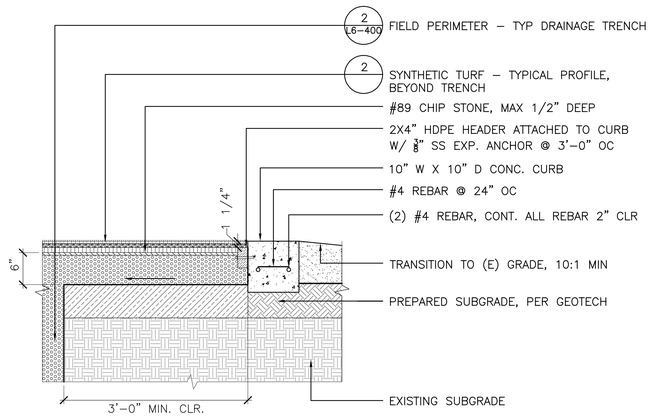
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

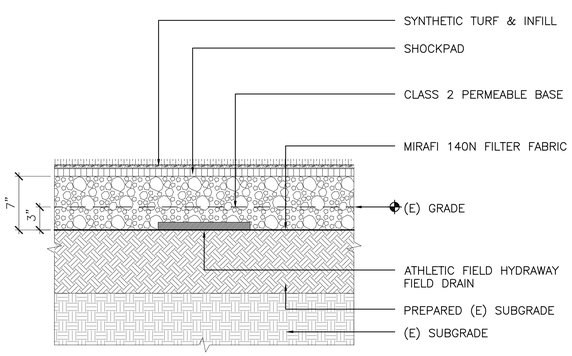
L6-102



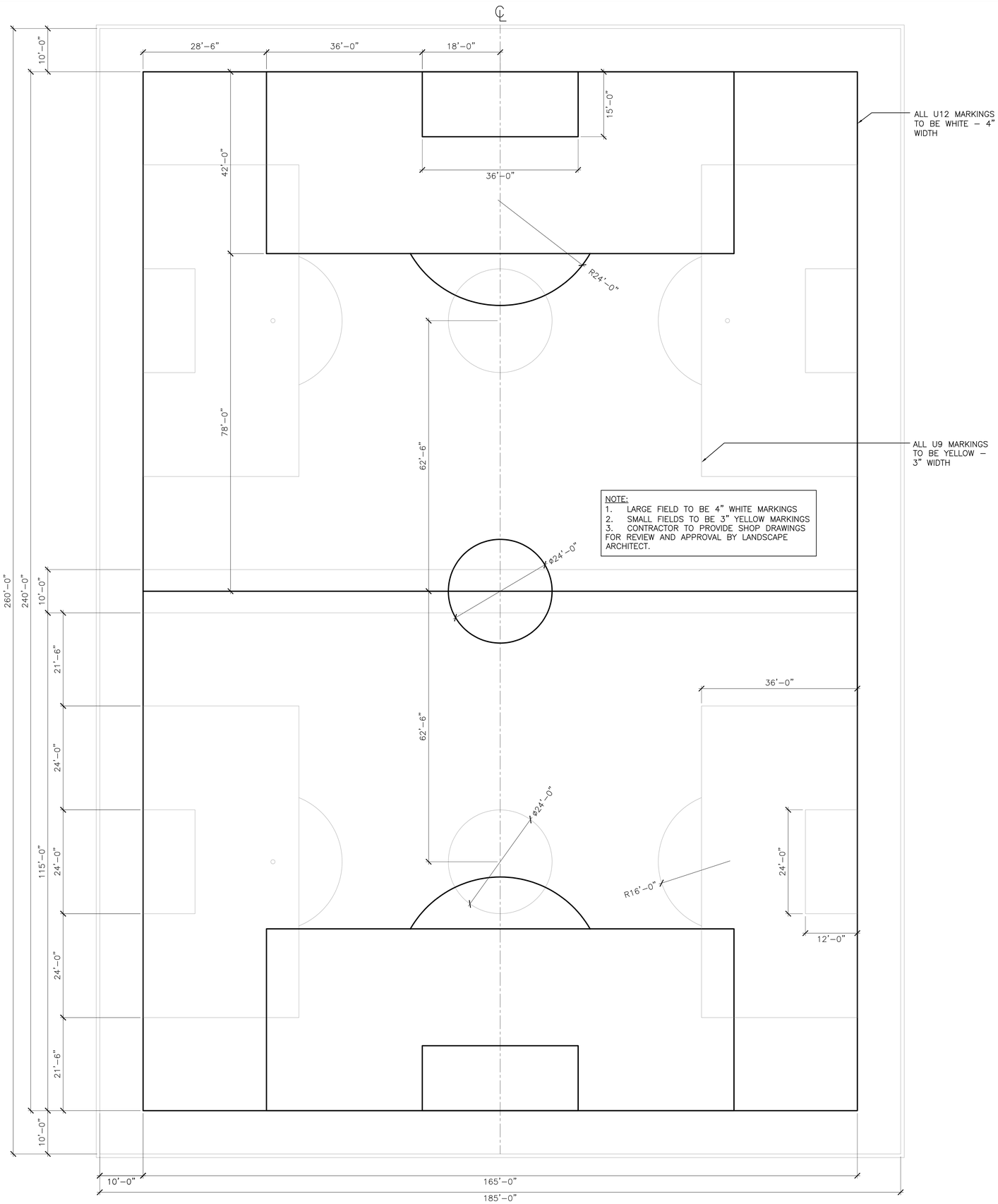
4 | SYNTHETIC TURF - FIELD CURB EDGE AT AC PAVING | SCALE: 1"=1'-0"



3 | SYNTHETIC TURF - FIELD CURB EDGE | SCALE: 1"=1'-0"



2 | SYNTHETIC TURF - TYPICAL PROFILE | SCALE: 1 1/2"=1'-0"



1 | SMALL MULTI-USE FIELD STRIPING | SCALE: 1"=10'-0"

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
STEPHEN M. QUILLARD No. 5151
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

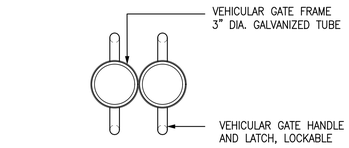
SHEET TITLE

MULTI-USE FIELD DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-103



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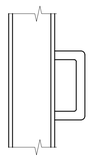

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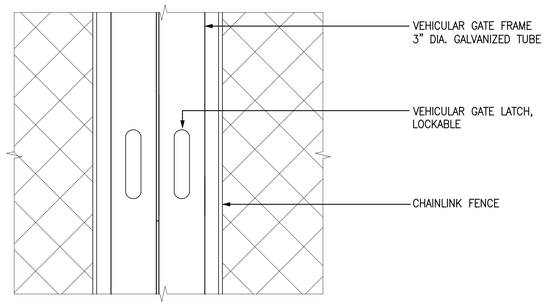
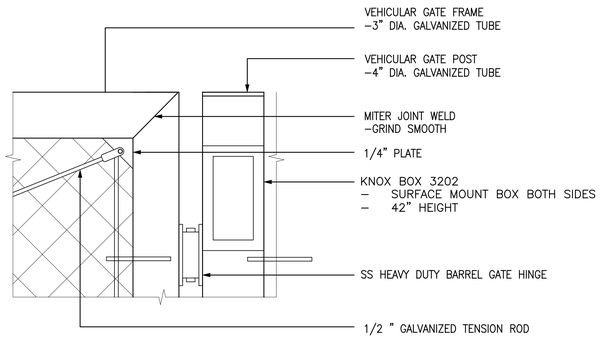


ELEVATION

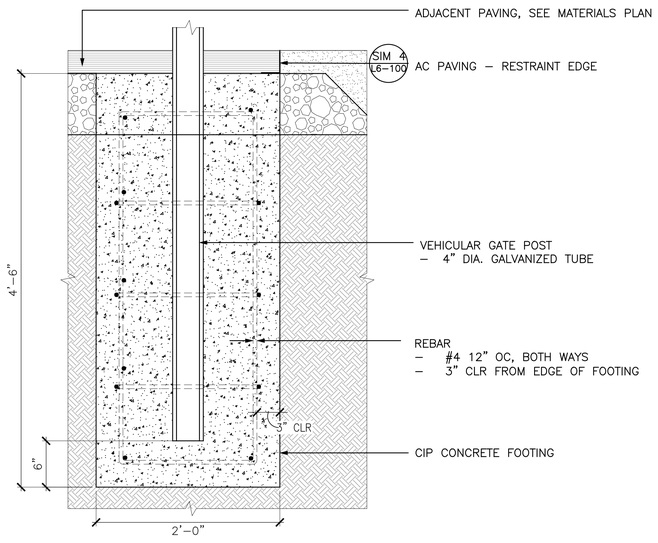
6 VEHICULAR GATE LATCH

SCALE: 3"=1'-0"



5 VEHICULAR GATE FRAME

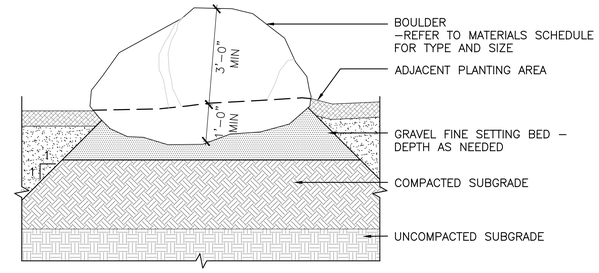
SCALE: 3"=1'-0"



4 FENCE POST FOOTING AT VEHICULAR GATE

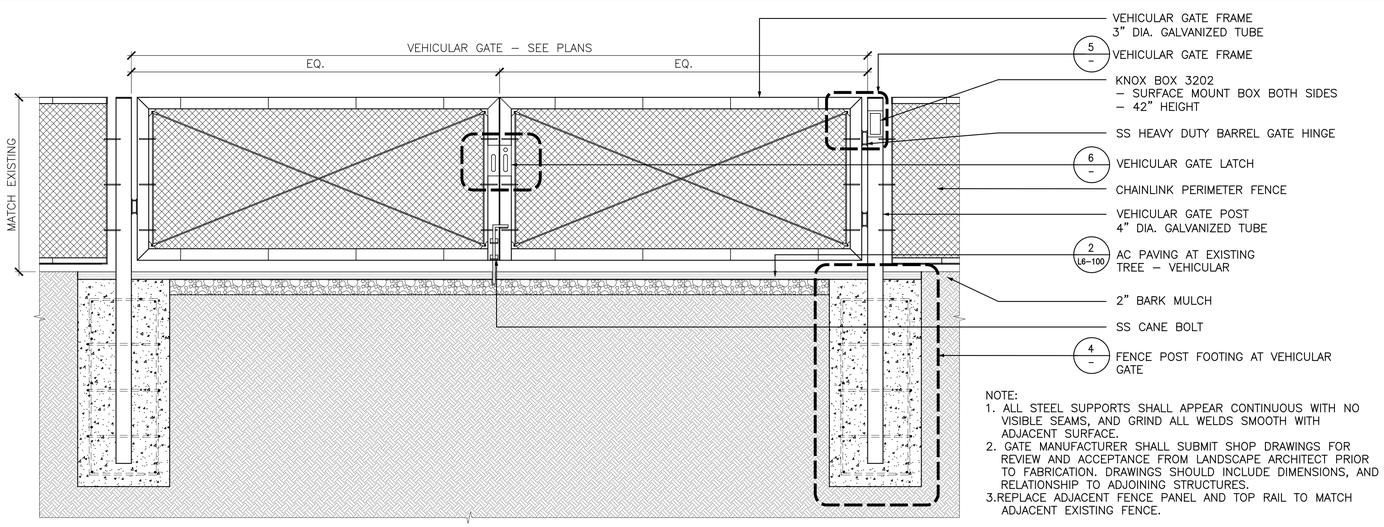
SCALE: 1 1/2"=1'-0"

NOTES:
1. THE FINAL POSITION OF BOULDERS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
2. FACING MARKS (PAINT AND CHALK) AND ALL UNNATURAL MARKINGS SHALL BE REMOVED FROM ALL VISIBLE SURFACES OF THE BOULDER



2 PARKING LOT BOULDERS

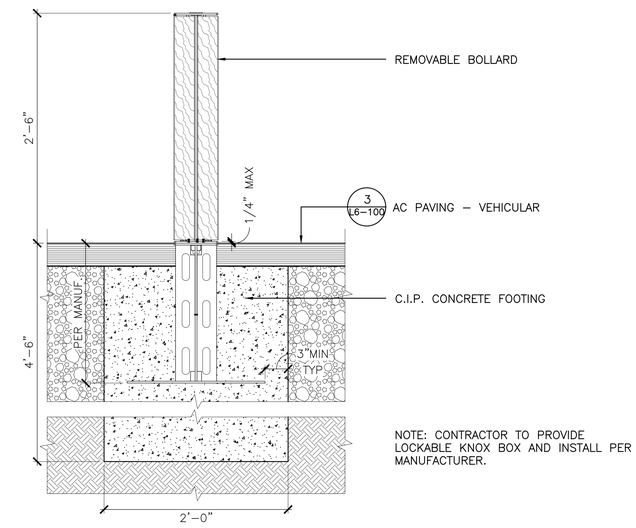
SCALE: 1"=1'-0"



NOTE:
1. ALL STEEL SUPPORTS SHALL APPEAR CONTINUOUS WITH NO VISIBLE SEAMS, AND GRIND ALL WELDS SMOOTH WITH ADJACENT SURFACE.
2. GATE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE FROM LANDSCAPE ARCHITECT PRIOR TO FABRICATION. DRAWINGS SHOULD INCLUDE DIMENSIONS, AND RELATIONSHIP TO ADJOINING STRUCTURES.
3. REPLACE ADJACENT FENCE PANEL AND TOP RAIL TO MATCH ADJACENT EXISTING FENCE.

3 VEHICULAR CHAINLINK FENCE

SCALE: 3/4"=1'-0"



NOTE: CONTRACTOR TO PROVIDE LOCKABLE KNOX BOX AND INSTALL PER MANUFACTURER.

1 REMOVABLE BOLLARD

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

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OWNER/CLIENT

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455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
STEPHEN M. GUILLARD
No. 5165
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MAUER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

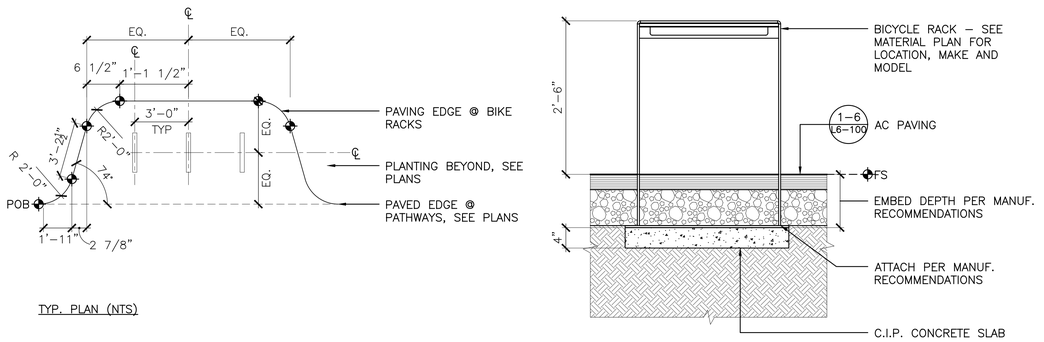
SHEET TITLE

SITE ELEMENTS DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

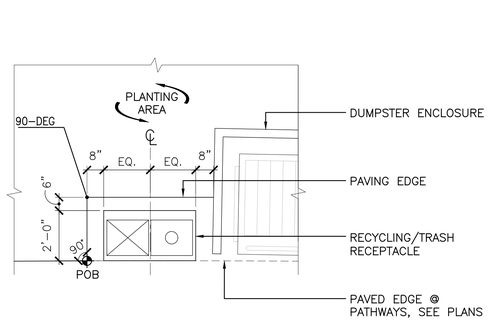
L6-200



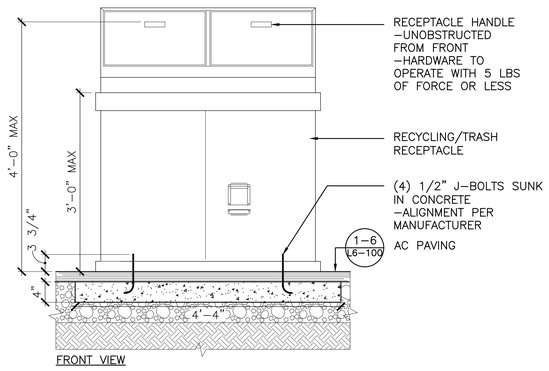
TYP. PLAN (NTS)

4 BIKE RACK AT AC PAVING

SCALE: 1"=1'-0"



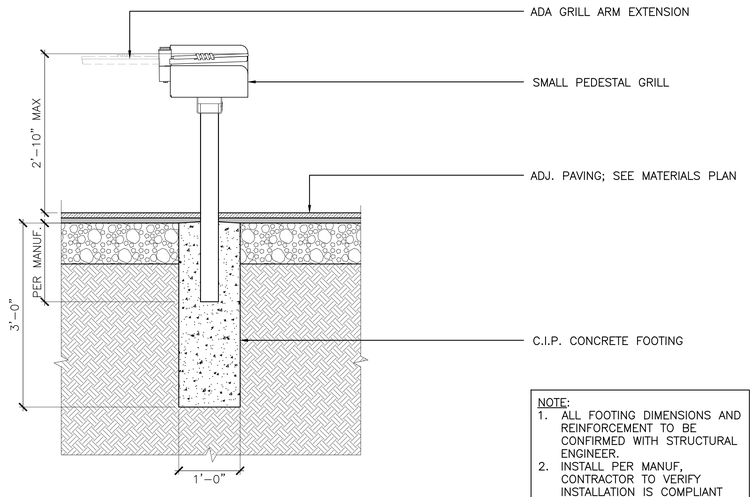
TYP. PLAN (NTS)



FRONT VIEW

3 RECYCLING/TRASH RECEPTACLE

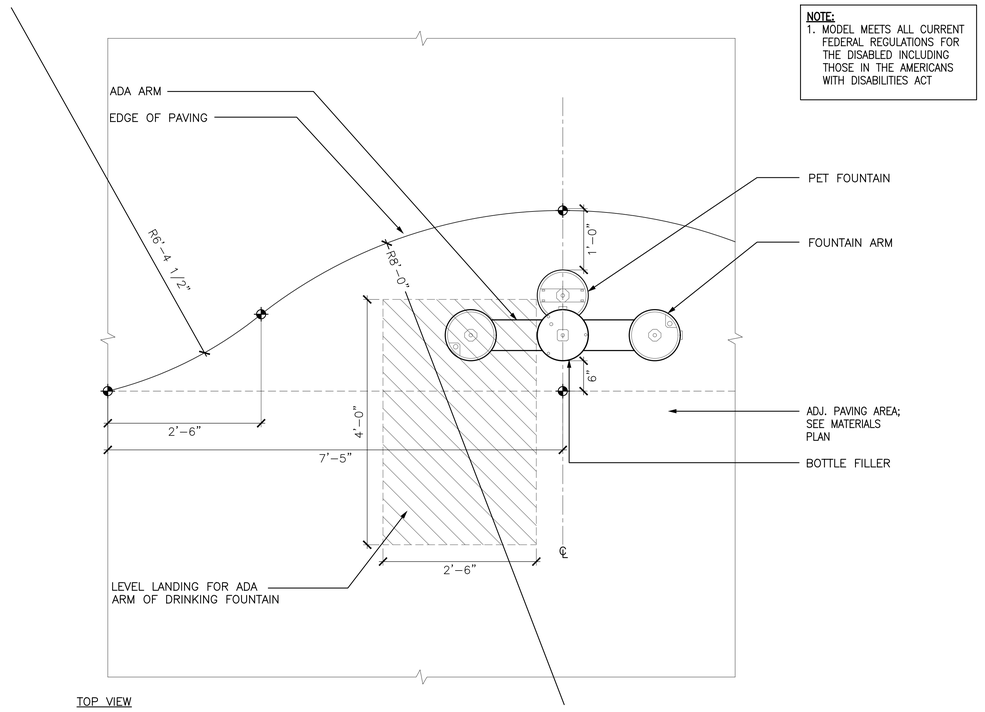
SCALE: 1"=1'-0"



NOTE:
1. ALL FOOTING DIMENSIONS AND REINFORCEMENT TO BE CONFIRMED WITH STRUCTURAL ENGINEER.
2. INSTALL PER MANUF, CONTRACTOR TO VERIFY INSTALLATION IS COMPLIANT WITH ADA REQUIREMENTS

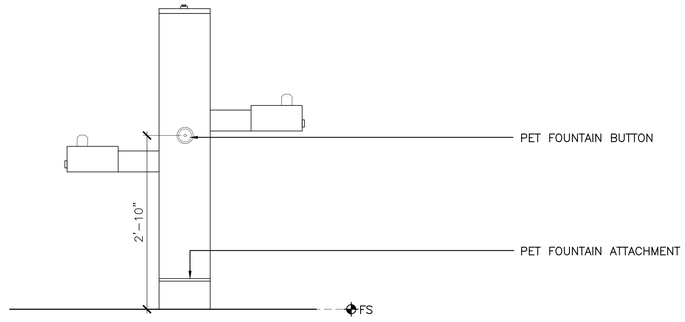
2 SMALL PEDESTAL GRILL FOOTING

SCALE: 1"=1'-0"



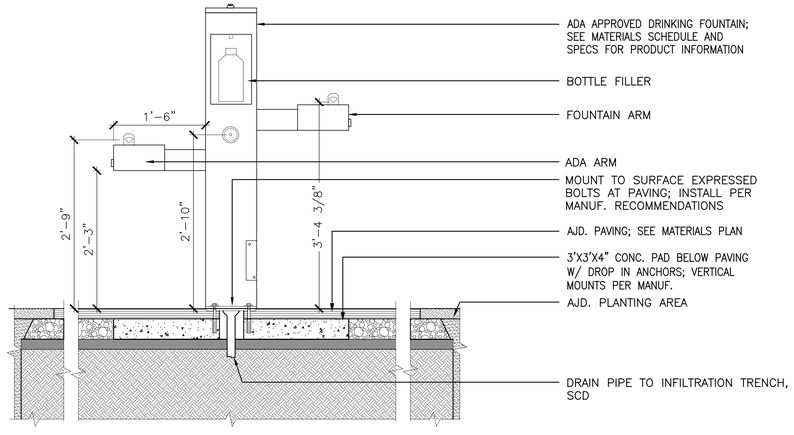
TOP VIEW

NOTE:
1. MODEL MEETS ALL CURRENT FEDERAL REGULATIONS FOR THE DISABLED INCLUDING THOSE IN THE AMERICANS WITH DISABILITIES ACT



BACK VIEW

NOTE:
1. ALL FOOTING DIMENSIONS AND REINFORCEMENT TO BE CONFIRMED WITH STRUCTURAL ENGINEER.
2. INSTALL PER MANUF, CONTRACTOR TO VERIFY INSTALLATION IS COMPLIANT WITH ADA REQUIREMENTS



FRONT VIEW

1 DRINKING FOUNTAIN

SCALE: 1"=1'-0"

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444 Bryant St
San Francisco, CA 94107
415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

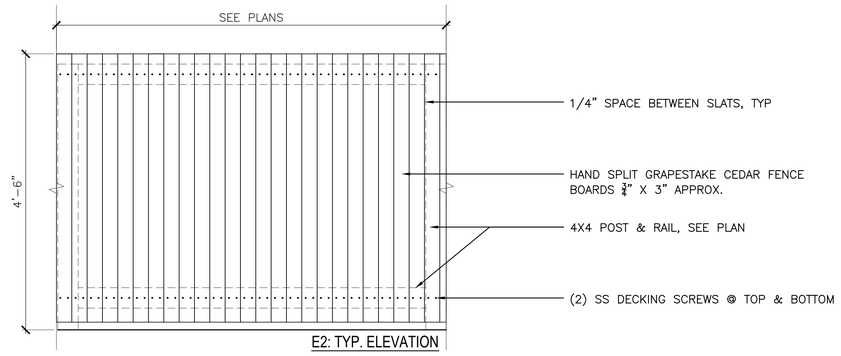
SHEET TITLE

SITE ELEMENTS DETAILS

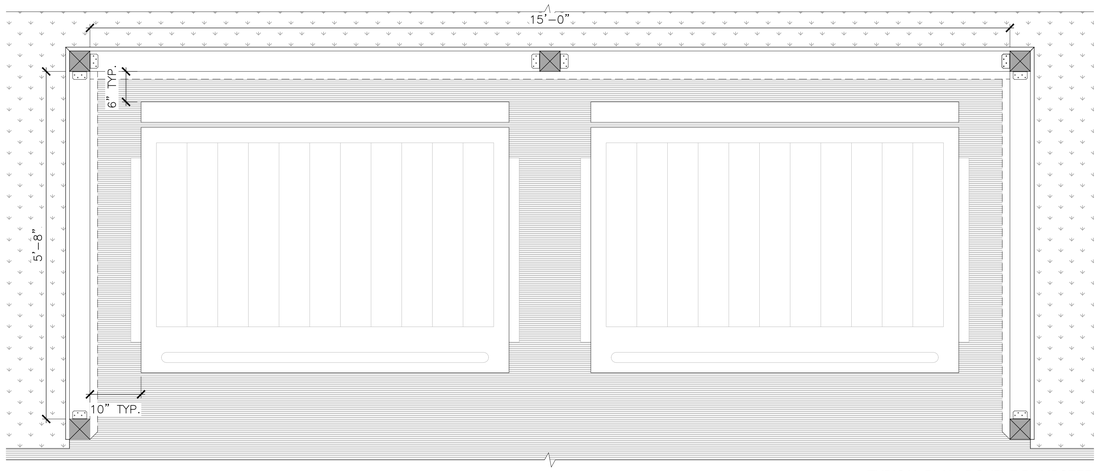
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-201



E2: TYP. ELEVATION



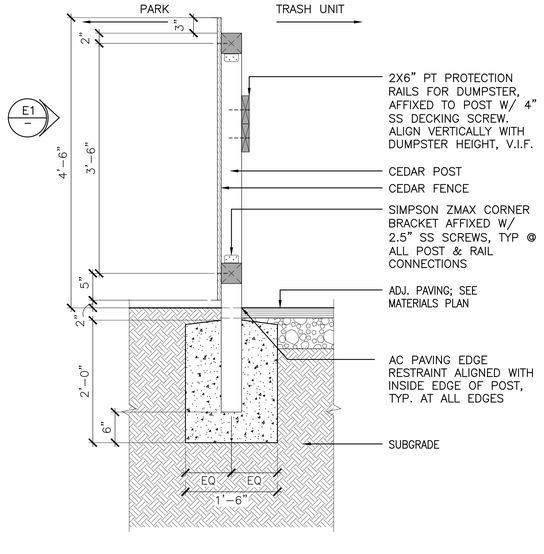
TYPICAL PLAN: DOUBLE DUMPSTER



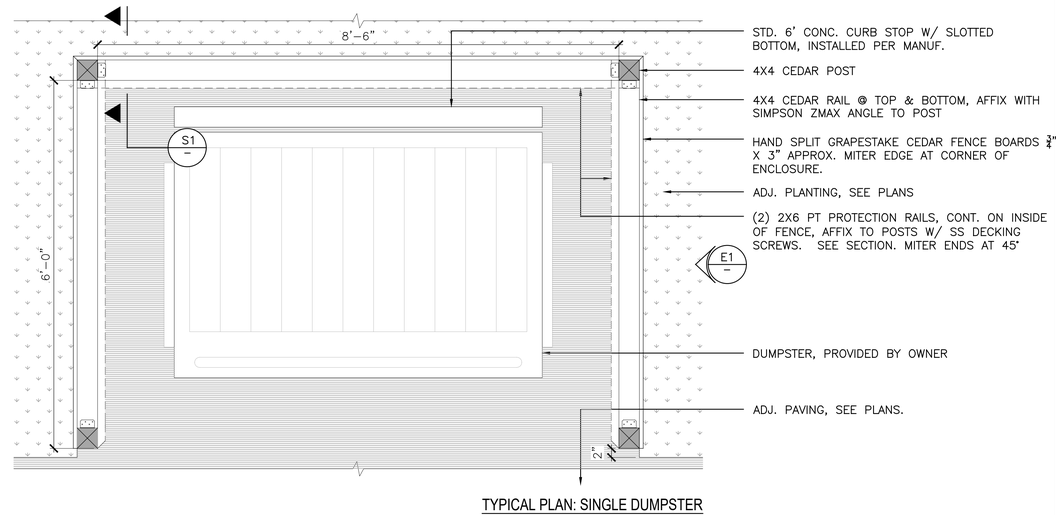
FENCE MATERIAL

FENCE BUSTERS, WESTERN CEDAR RUSTIC "STRAIGHT SIDE" HANDSPLIT GRAPESTAKE FENCE BOARDS, OR APPROVED EQUIVALENT

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
2. POST AND FENCE MATERIAL: WESTERN RED CEDAR, D & BETTER CLEAR.
3. CONTRACTOR TO MINIMIZE THE USE OF ATYPICAL WIDTH FENCING, AND ONLY WHEN REQUIRED PLACE ATYPICAL FENCE PIECES AT CORNERS.



SECTION S-1



TYPICAL PLAN: SINGLE DUMPSTER

1	ENCLOSURES AT DUMPSTER, TYP.	SCALE: 1"=1'-0"

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
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	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

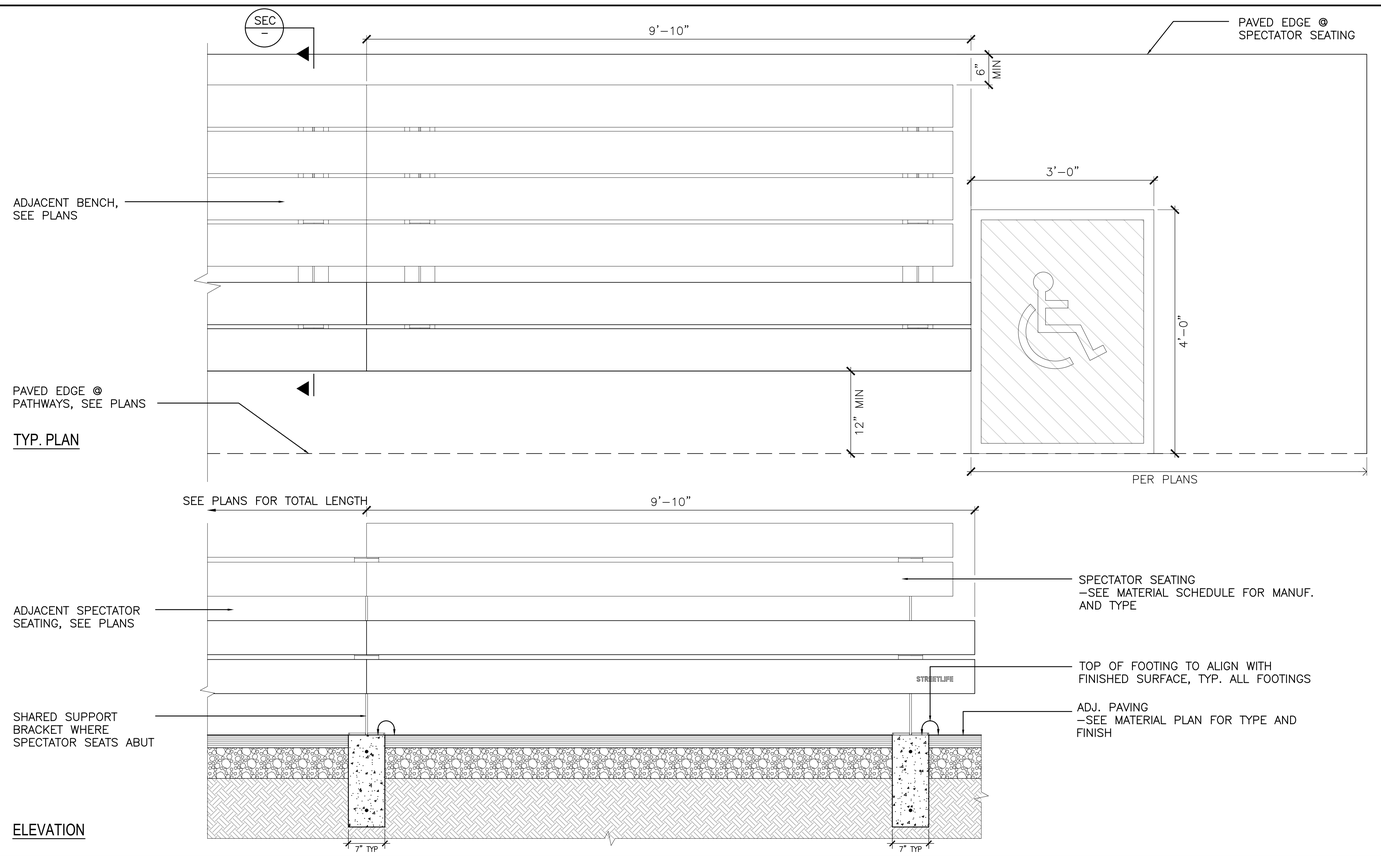
SHEET TITLE

SITE ELEMENTS DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

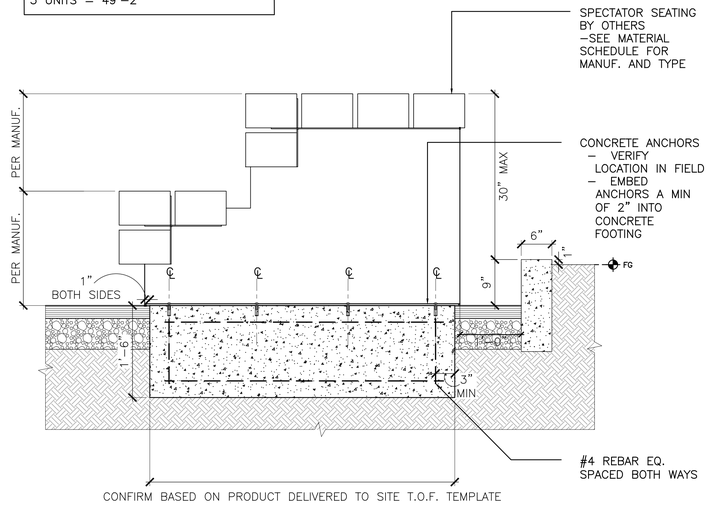
SHEET NUMBER

L6-204



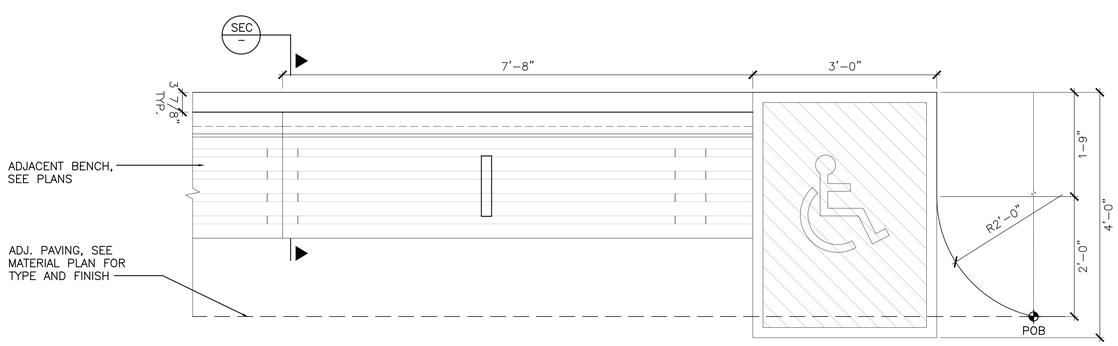
NOTE:
CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL SPECTATOR SEATING LENGTHS FOR REVIEW AND APPROVAL

OVERALL SPECTATOR SEATING LENGTHS:
1 UNIT = 9'–10"
2 UNITS = 19'–8"
4 UNITS = 39'–4"
5 UNITS = 49'–2"



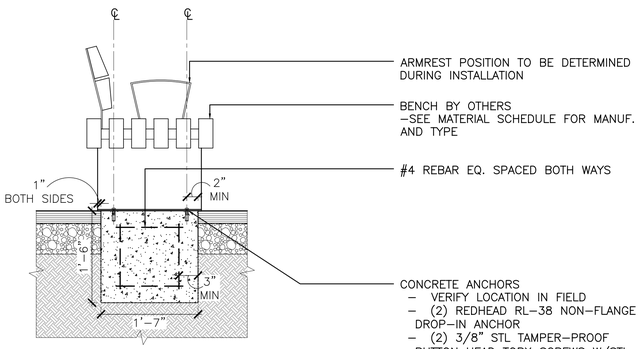
SECTION

2 | SPECTATOR SEATING | SCALE: 1"=1'-0"



NOTE:
CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL BENCH LENGTHS FOR REVIEW AND APPROVAL

OVERALL BENCH LENGTHS:
1 UNIT = 7'–8"
2 UNITS = 15'–4"
3 UNITS = 23'–0"



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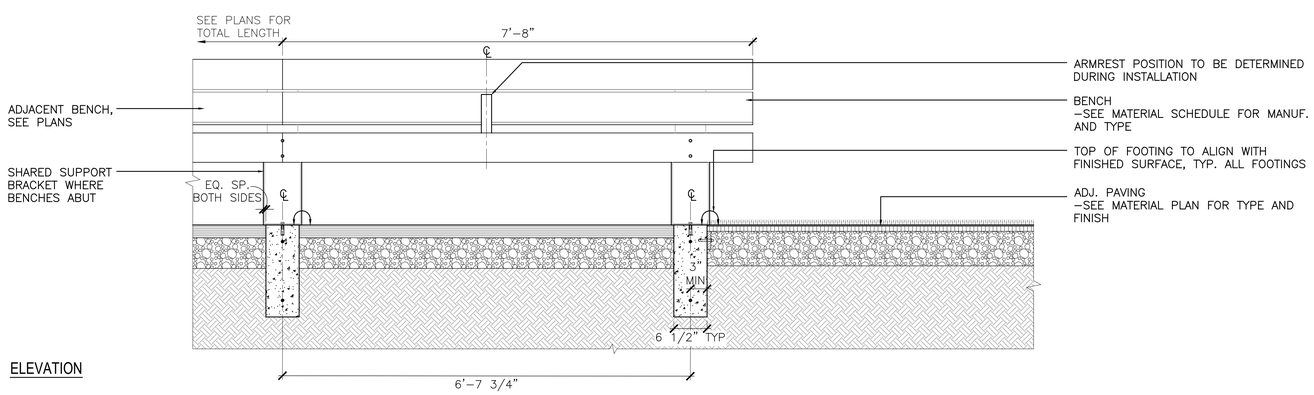

1 | BENCH - FOOTING AT ASPHALT PAVING | SCALE: 1"=1'-0"

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Architecture
444 Bryant St
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www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRIS M. GUILLEN
No. 6065
Signature
Renewal Date
10/31/2024
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

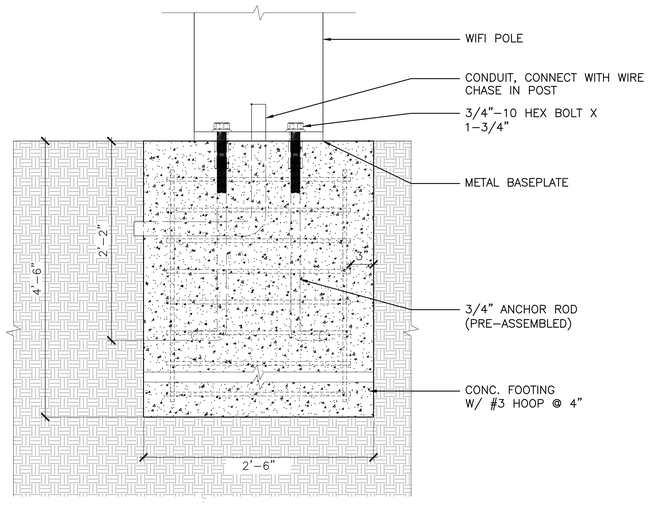
SHEET TITLE

SITE ELEMENTS DETAILS

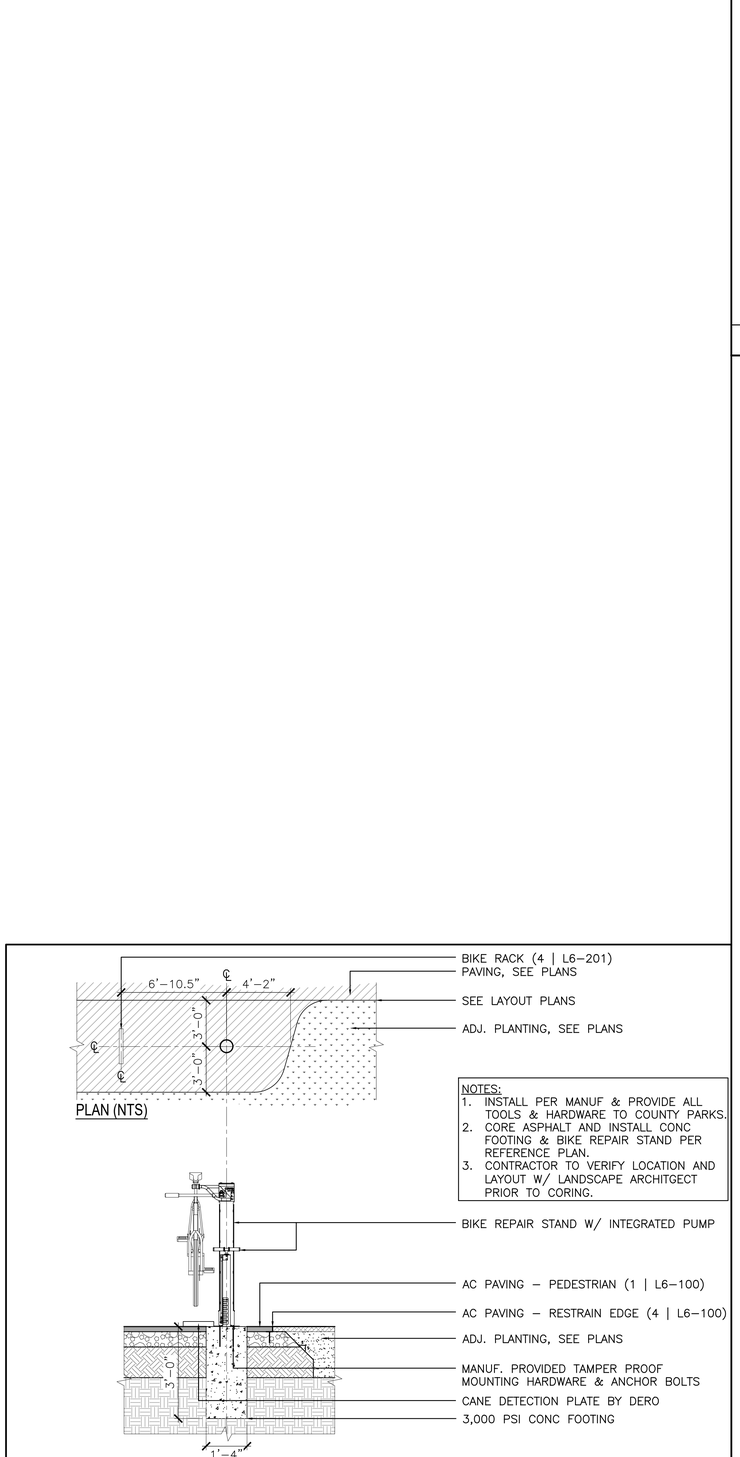
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

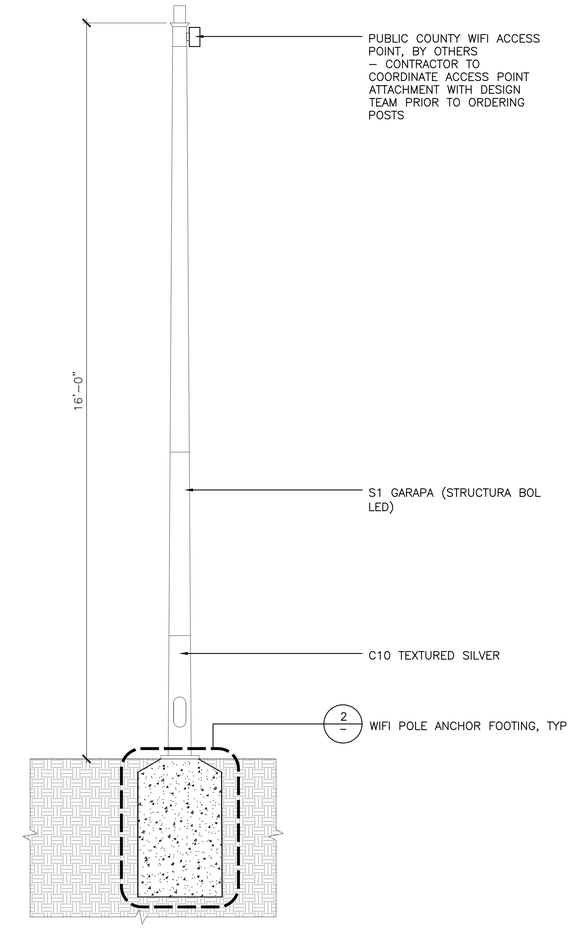
L6-202



2 | WIFI POLE ANCHOR FOOTING - TYP | SCALE: 1 1/2"=1'-0"



3 | BIKE REPAIR STATION | SCALE: 1/2"=1'-0"



1 | WIFI POLE | SCALE: 3/4"=1'-0"

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www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

REGISTERED LANDSCAPE ARCHITECT
CHERYL M. QUILLMAN
No. 5180
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MAJER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

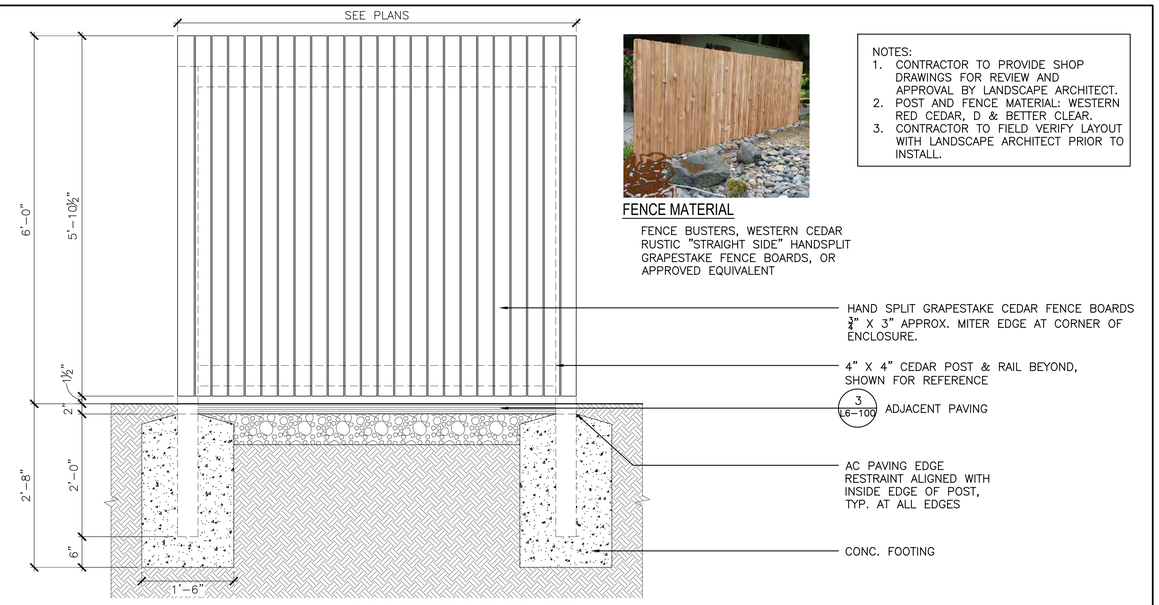
SHEET TITLE

SITE ELEMENTS DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-203

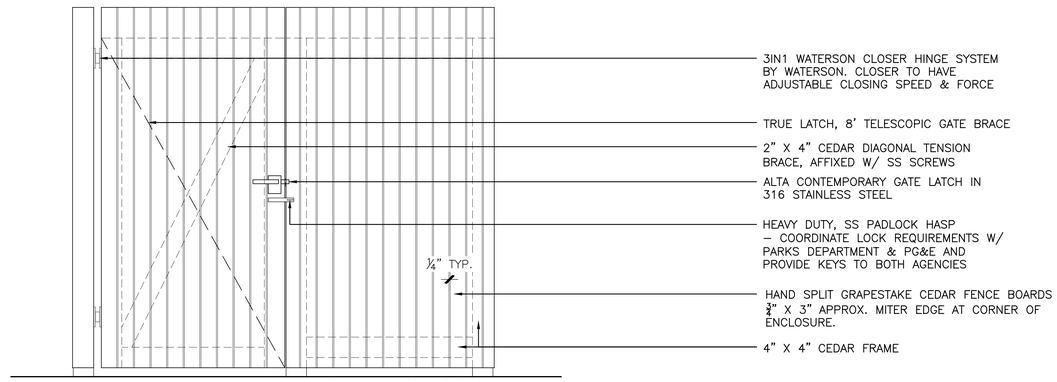


E-2: ELECTRICAL ELEVATION - TYP.

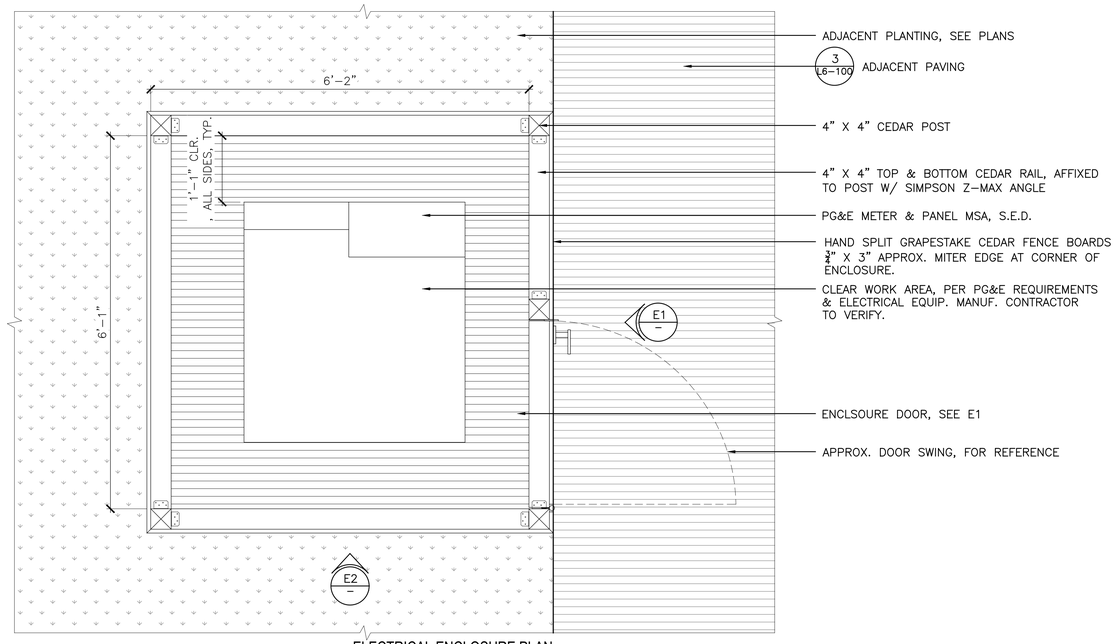
FENCE MATERIAL

FENCE BUSTERS, WESTERN CEDAR RUSTIC "STRAIGHT SIDE" HANDSPLIT GRAPESTAKE FENCE BOARDS, OR APPROVED EQUIVALENT

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
2. POST AND FENCE MATERIAL: WESTERN RED CEDAR, D & BETTER CLEAR.
3. CONTRACTOR TO FIELD VERIFY LAYOUT WITH LANDSCAPE ARCHITECT PRIOR TO INSTALL.



E-1: ELECTRICAL ELEVATION - @ GATE



ELECTRICAL ENCLOSURE PLAN

1	ELECTRICAL ENCLOSURE	SCALE: 1"=1'-0"

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415.495.3070
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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 2867
Signature
Revised Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
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	PHASE 1 - 100% PS&E BID SET	04.28.23
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1	BID ADDENDUM 1	07.03.23
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

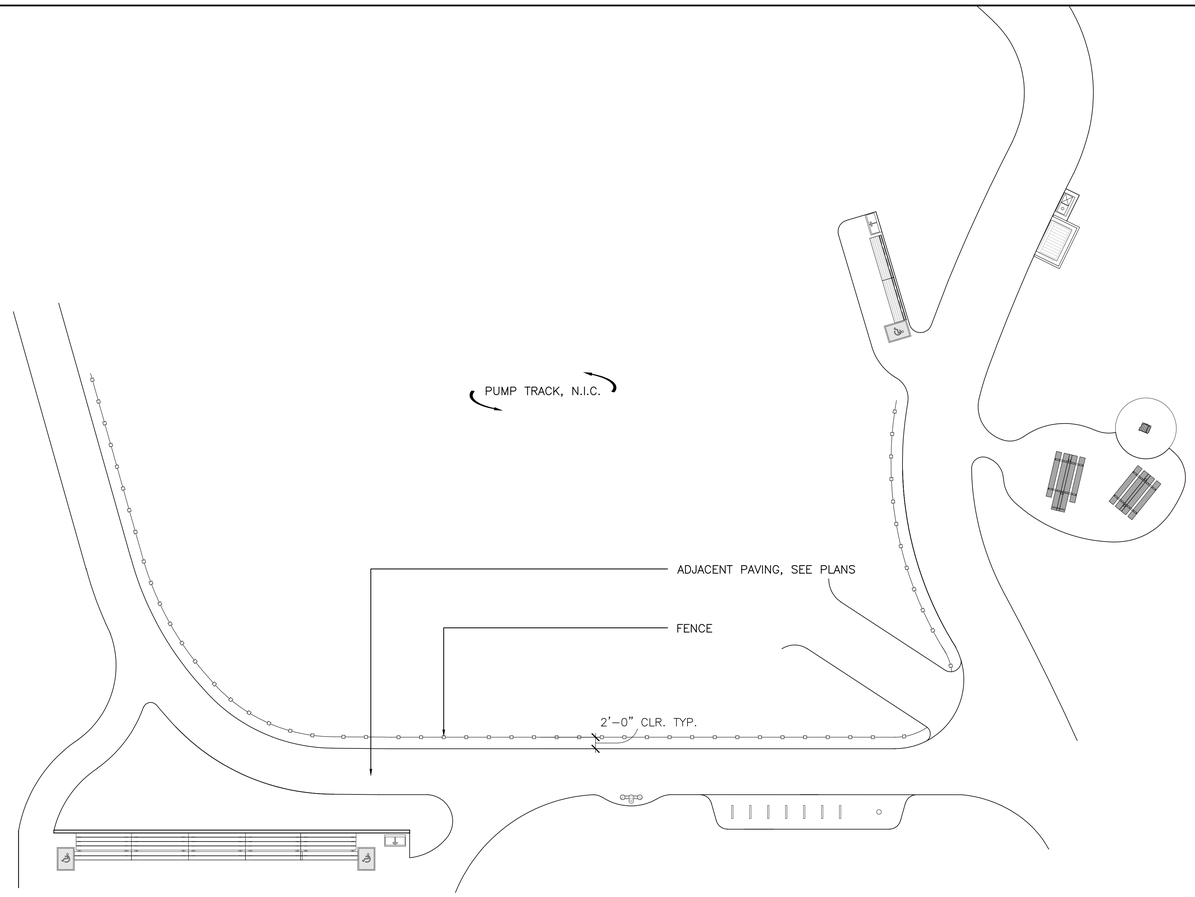
SHEET TITLE

SITE ELEMENTS DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-205



REFERENCE PLAN (NTS)



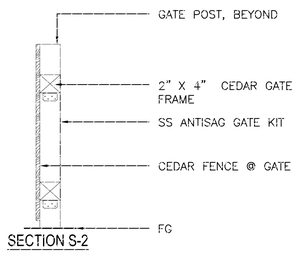
FENCE MATERIAL

FENCE BUSTERS, WESTERN CEDAR RUSTIC "STRAIGHT SIDE" HANDSPLIT GRAPESTAKE FENCE BOARDS, OR APPROVED EQUIVALENT



REFERENCE IMAGE - SHOWS DESIGN INTENT ONLY (NTS)

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
2. POSTS AND FENCE RAIL MATERIAL: WESTERN RED CEDAR, D & BETTER CLEAR.
3. CONTRACTOR TO FIELD VERIFY LAYOUT WITH LANDSCAPE ARCHITECT PRIOR TO INSTALL.



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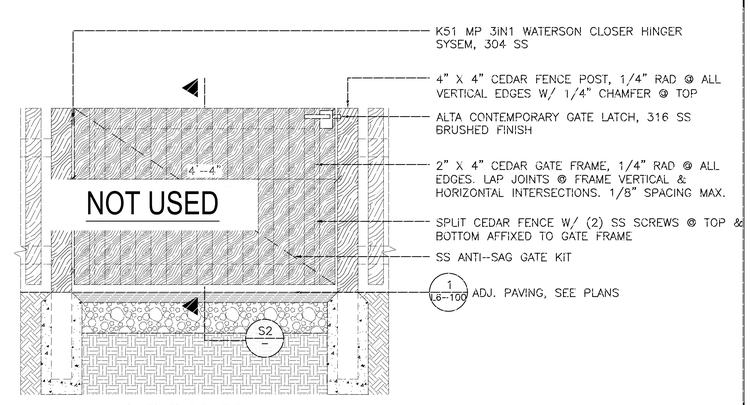

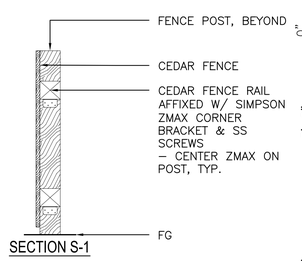

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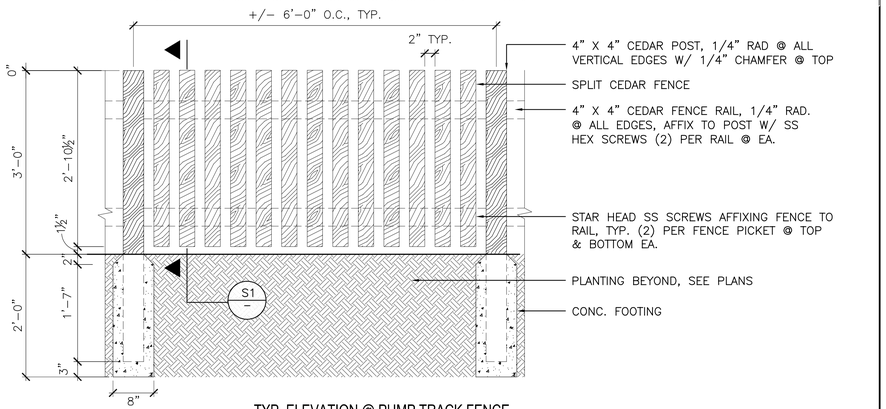

TYP. ELEVATION @ PUMP TRACK FENCE

1	PUMP TRACK FENCE, TYP.	SCALE: 1"=1'-0"

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444 Bryant St
San Francisco, CA 94107
415.495.3070
www.cmgsite.com

OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 2686
Signature
Revision
Renewal Date
Licensed
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
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	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

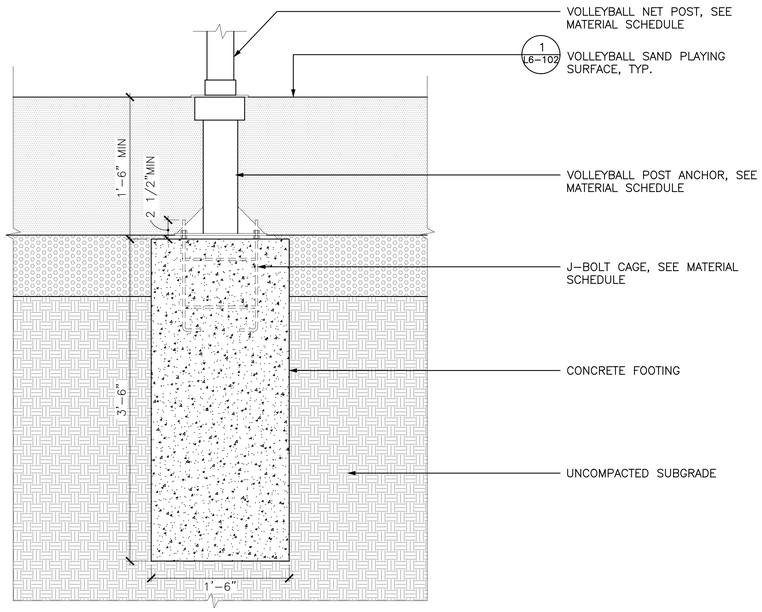
SHEET TITLE

SITE ELEMENTS DETAILS

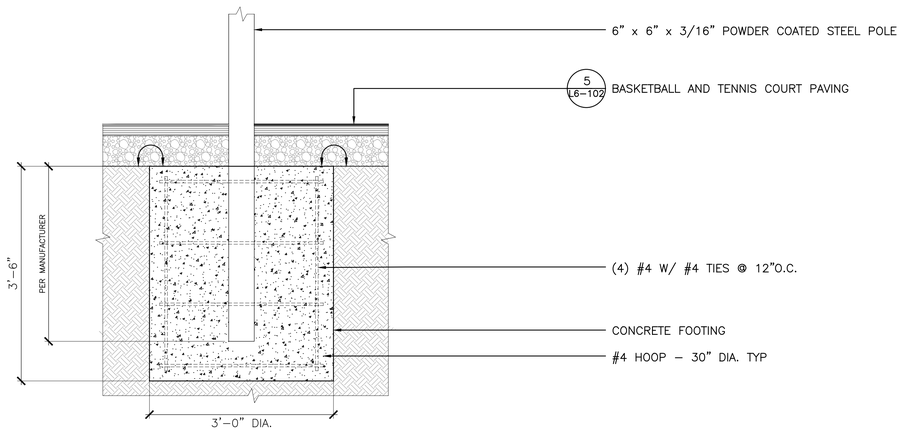
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-206

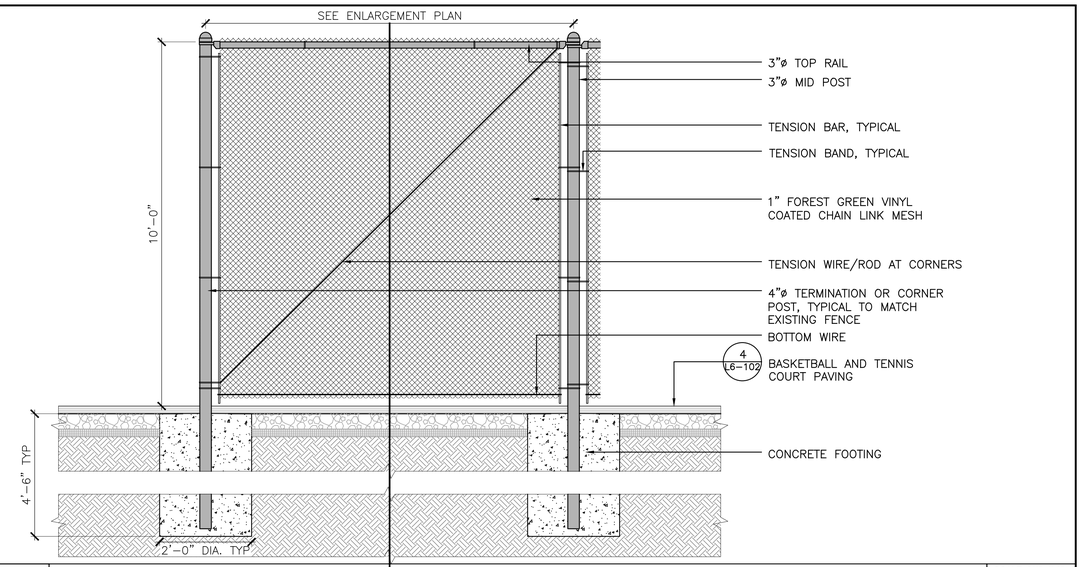


5 | VOLLEYBALL NET GROUND SLEEVE AND FOOTING | SCALE: 1 1/2"=1'-0"

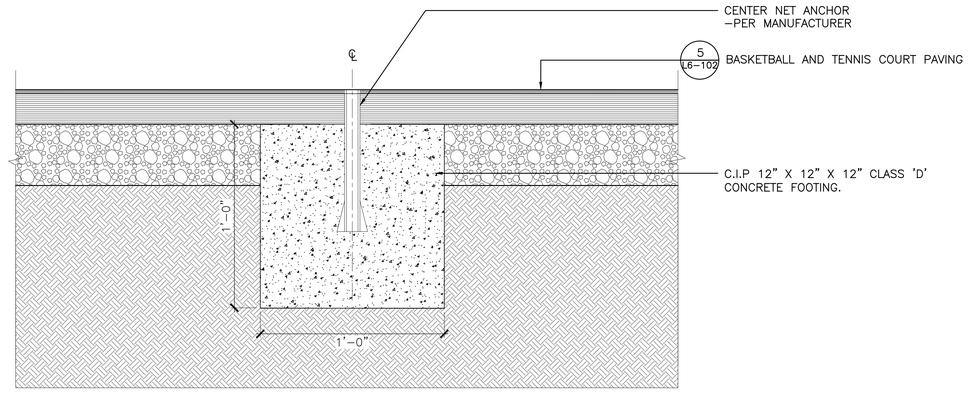


NOTE: ALL FOOTING DIMENSIONS AND REINFORCEMENT TO BE CONFIRMED BY STRUCTURAL ENGINEER.

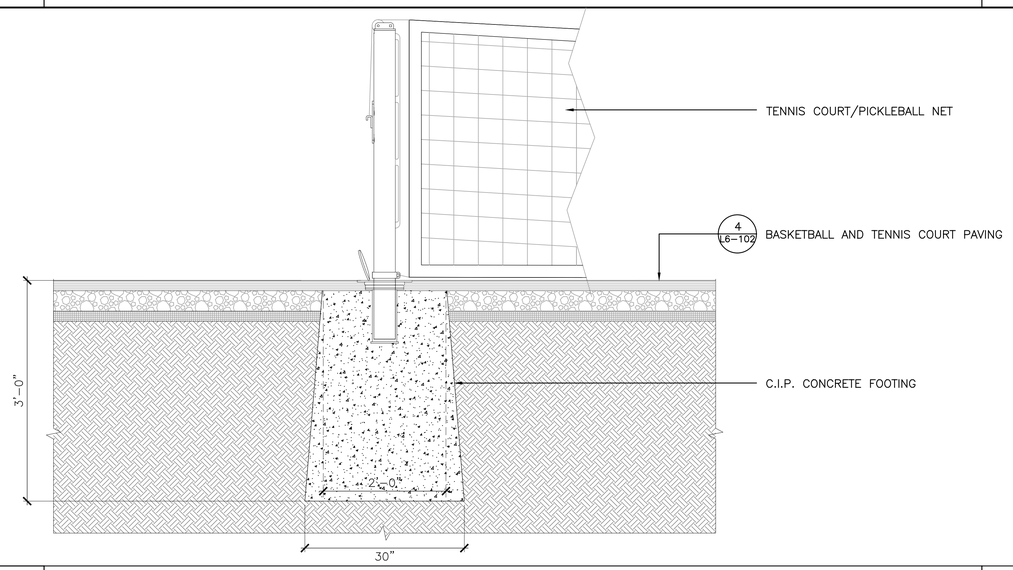
4 | CONCRETE FOOTING FOR BASKETBALL POLE | SCALE: 1"=1'-0"



3 | TENNIS COURT CHAIN LINK FENCE | SCALE: 3/4"=1'-0"



2 | TENNIS NET CENTER STRAP ANCHOR | SCALE: 3"=1'-0"



1 | TENNIS COURT NET GROUND SLEEVE AND FOOTING | SCALE: 1"=1'-0"

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Landscape Architecture
444 Bryant St
San Francisco, CA 94107
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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRIS W. QUILLARD
No. 6482
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

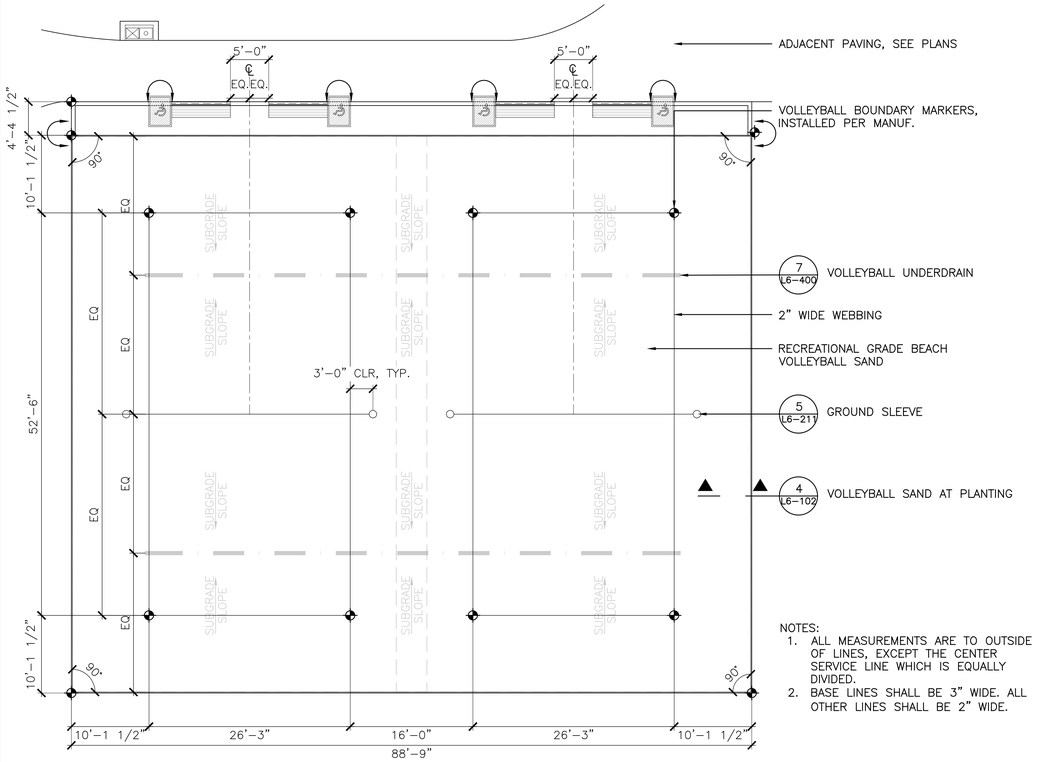
SHEET TITLE

SPORTS COURT DEAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-211



NOTES:
1. ALL MEASUREMENTS ARE TO OUTSIDE OF LINES, EXCEPT THE CENTER SERVICE LINE WHICH IS EQUALLY DIVIDED.
2. BASE LINES SHALL BE 3" WIDE. ALL OTHER LINES SHALL BE 2" WIDE.

1 VOLLEYBALL COURT LAYOUT

SCALE: 1/8"=1'-0"

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OWNER/CLIENT

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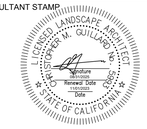
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

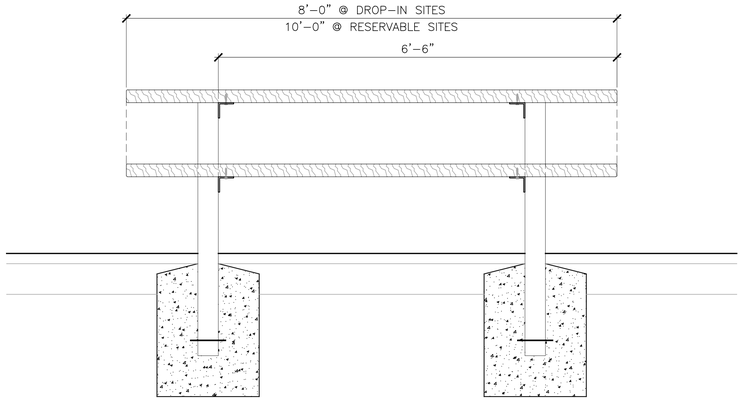
SHEET TITLE

SPORT COURT DETAILS

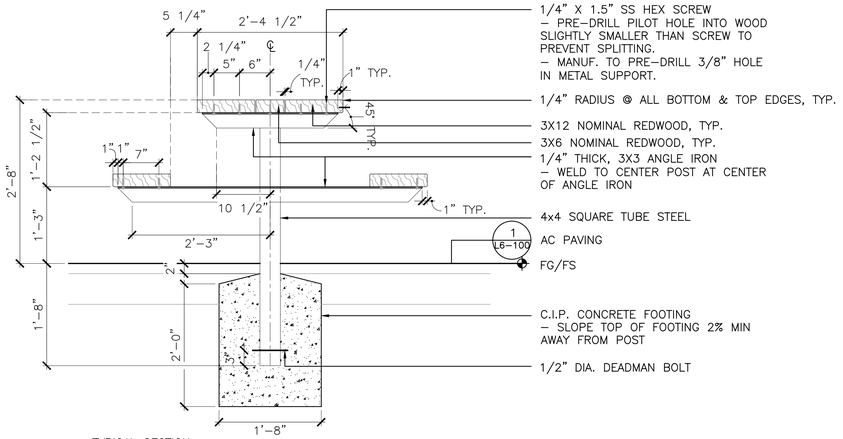
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

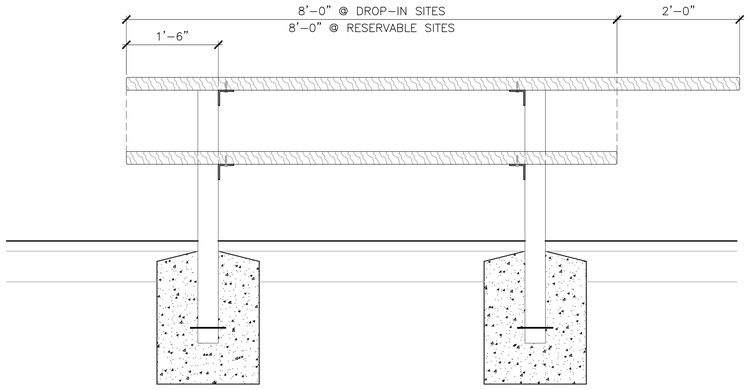
L6-212



TYPICAL ELEVATION – NON–ACCESSIBLE



TYPICAL SECTION



TYPICAL ELEVATION – ACCESSIBLE



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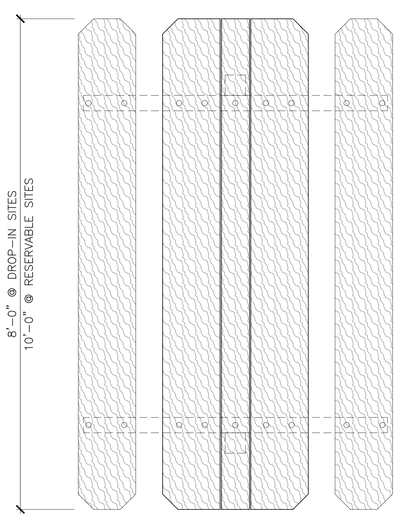
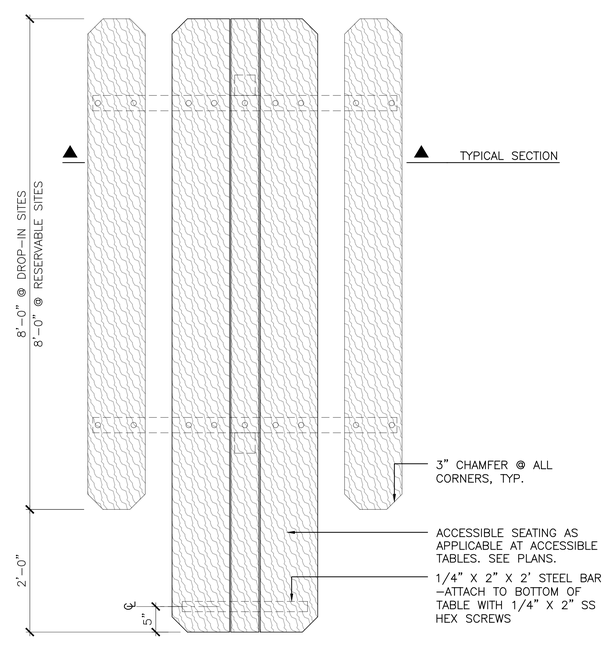


TYPICAL PLAN – NON–ACCESSIBLE



TYPICAL PLAN – ACCESSIBLE

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
2. ALL HOLES IN STEEL ARE TO BE 3/8", PRE–DRILLED BY MANUFACTURER.

1 STANDARD PICNIC TABLES

SCALE: 1"=1'-0"

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. QUILLARD
No. 5902
Signature
Renewal Date
10-31-2024
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

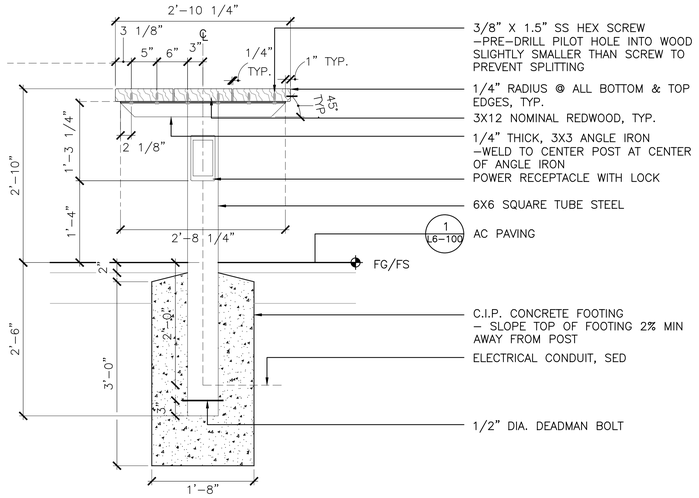
SHEET TITLE

PICNIC AREA DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-221



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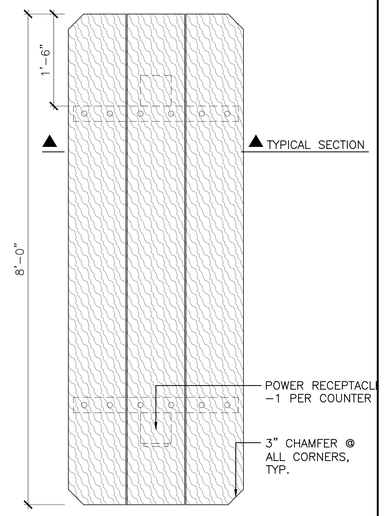
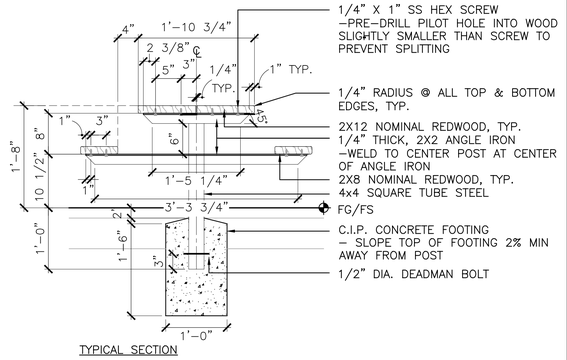


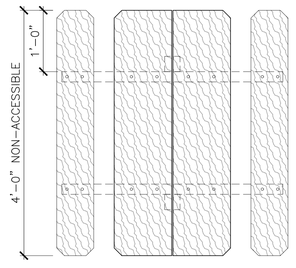
TYPICAL PLAN

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
2. ALL HOLES IN STEEL ARE TO BE 3/8", PRE-DRILLED BY MANUFACTURER.

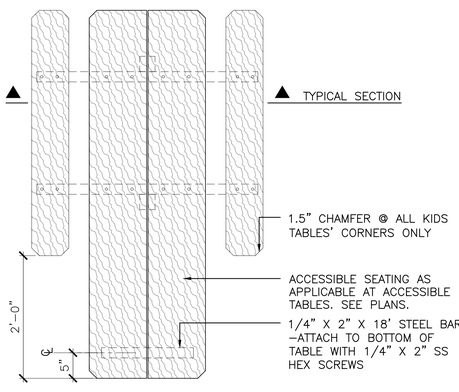
2 PICNIC AREA WOOD COUNTER — SCALE: 1"=1'-0"



TYPICAL SECTION



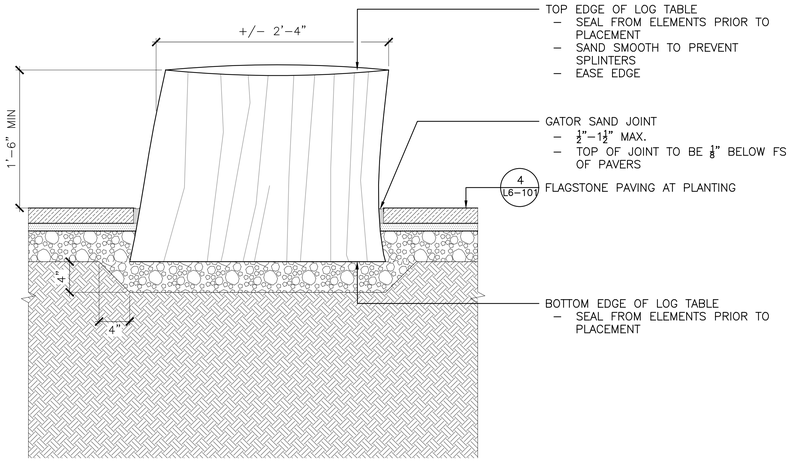
TYPICAL PLAN - NON-ACCESSIBLE



TYPICAL PLAN - ACCESSIBLE

NOTES:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.
2. ALL HOLES IN STEEL ARE TO BE 3/8", PRE-DRILLED BY MANUFACTURER.

1 KIDS PICNIC TABLE — SCALE: 1"=1'-0"



2 RECLAIMED LOG TABLE — SCALE: 1 1/2"=1'-0"

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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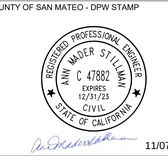
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

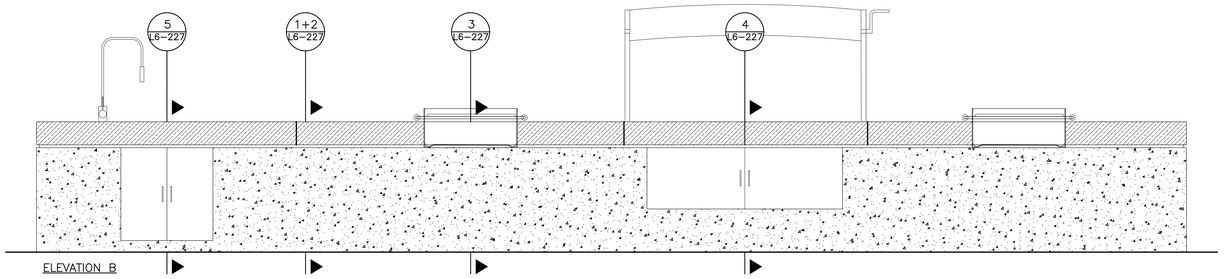
SHEET TITLE

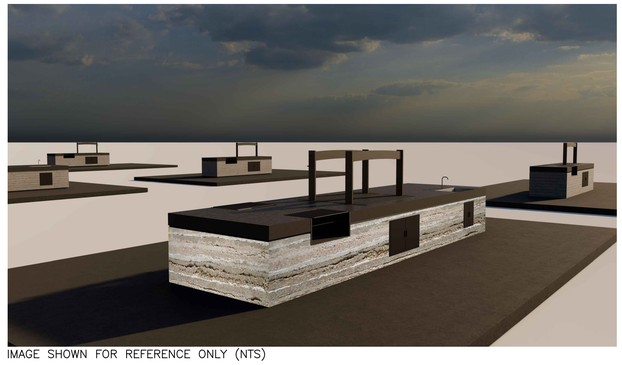
PICNIC AREA DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-222





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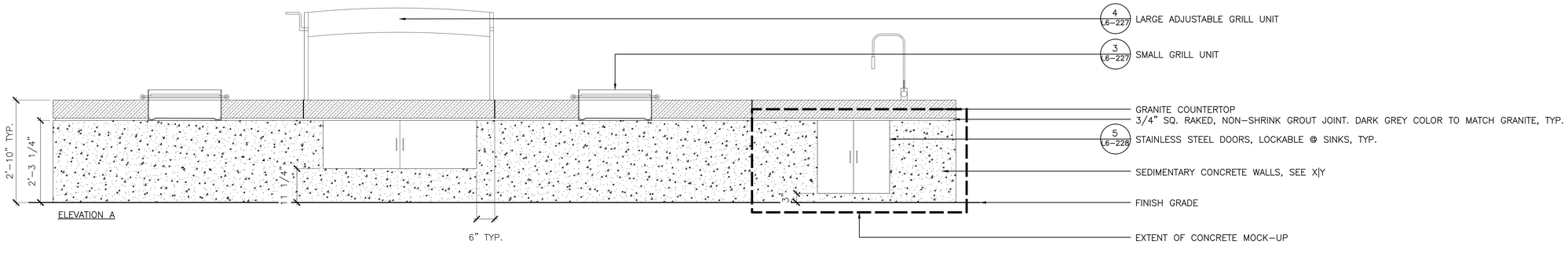

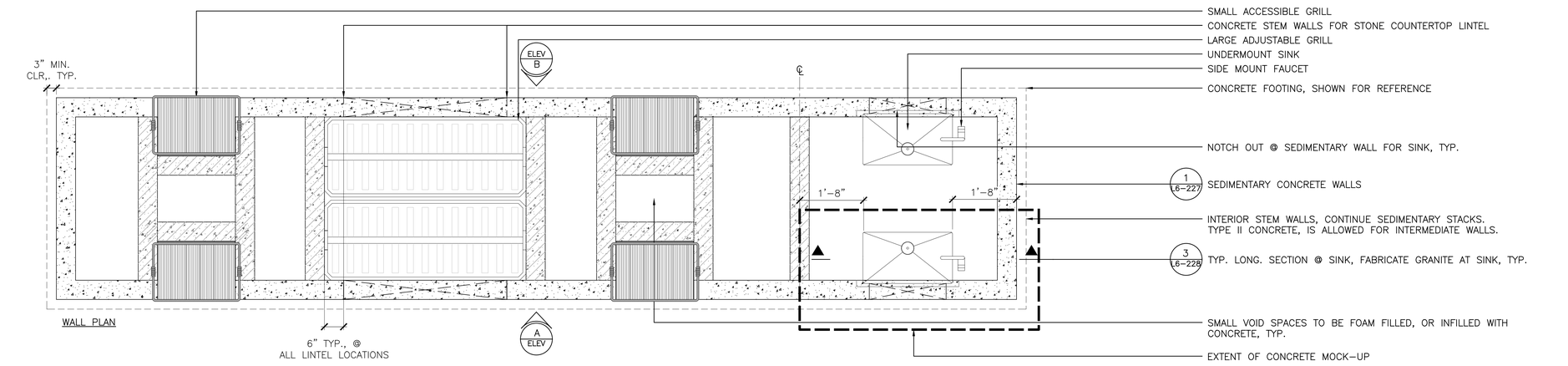

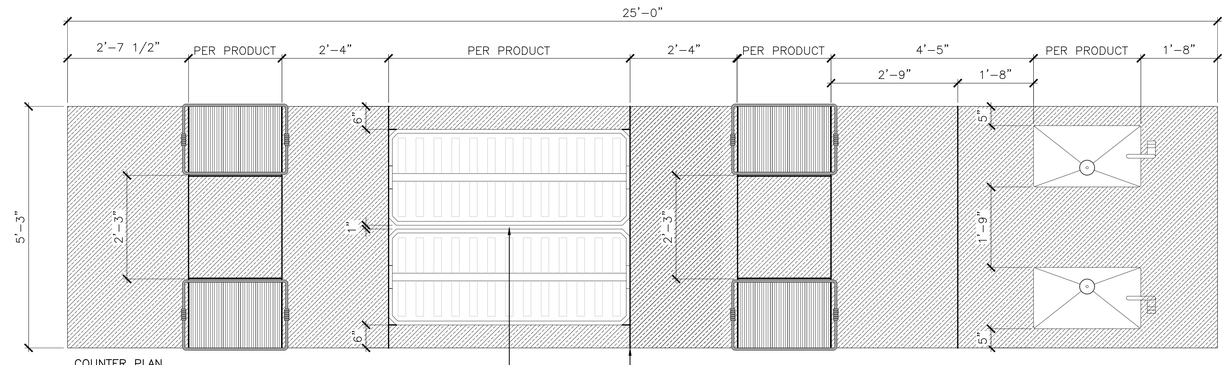

NOTES:

1. CONTRACTOR TO PURCHASE (1) UNIT OF EACH GRILL, SINK, AND FAUCET TO VERIFY ALL DIMENSIONS AND ATTACHMENT DETAILS AS PART OF SHOP DRAWING SUBMITTALS.
2. CONTRACTOR TO PREPARE SHOP DRAWINGS FOR: CONCRETE FORMING, GRANITE COUNTERTOPS, GRILL ATTACHMENTS, AND SINKS. NOTE THAT DIMENSIONS AND DETAILS INCLUDED HEREIN, MAY NEED TO BE ADAPTED BASED ON FINAL PRODUCTS AND DETAILING. THE SHOP DRAWINGS SHALL BE COORDINATED BETWEEN TRADES.
3. CONTRACTOR TO ADVISE ON GRANITE PLACEMENT AND JOINT TOLERANCES. THE DESIGN INTENT IS FOR A CLEAN –/+ 1/16" BUTT JOINT. IF A GROUTED JOINT IS REQUIRED THAT SHOULD BE DEFINED AS PART OF THE SHOP DRAWING PRODUCTION.
4. OAK OR BAY BBQ COUNTER FIRST INSTALL: COMPLETE FIRST INSTALL OF ALL GRANITE UNITS, BBQ UNITS, SINKS, CABINET DOORS, AND OTHER COMPONENTS FOR REVIEW AND APPROVAL PRIOR TO PLACEMENT OF CONCRETE AND INSTALLATION OF COMPONENTS AT OTHER BBQ LOCATIONS.

1 | OAK PICNIC AREA - PLANS & ELEVATIONS | SCALE: 3/4"=1'-0"

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
GREER M. GUILLARD No. 6420
Signature
Renewal Date
Date
REGISTERED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANU MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA
11/07/2023

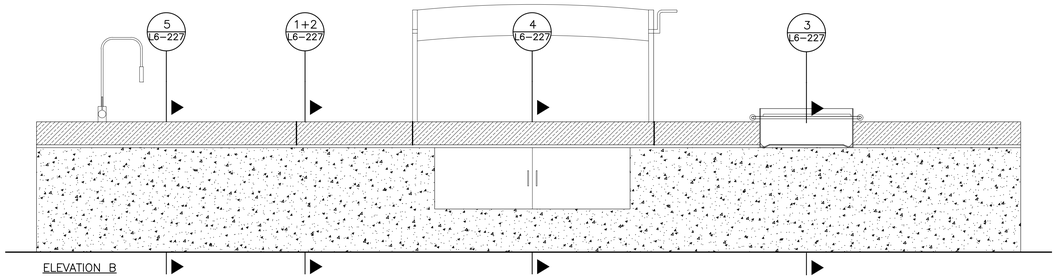
SHEET TITLE

PICNIC AREA DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-223



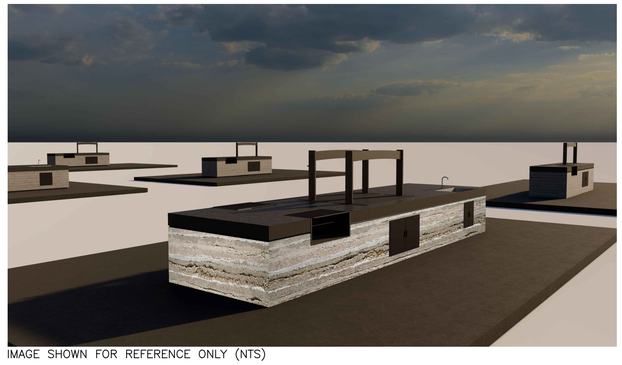
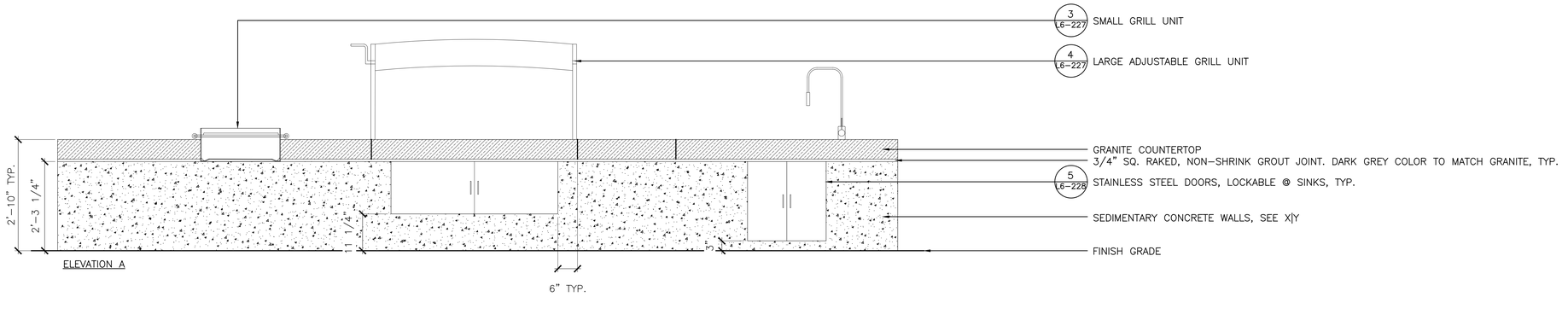
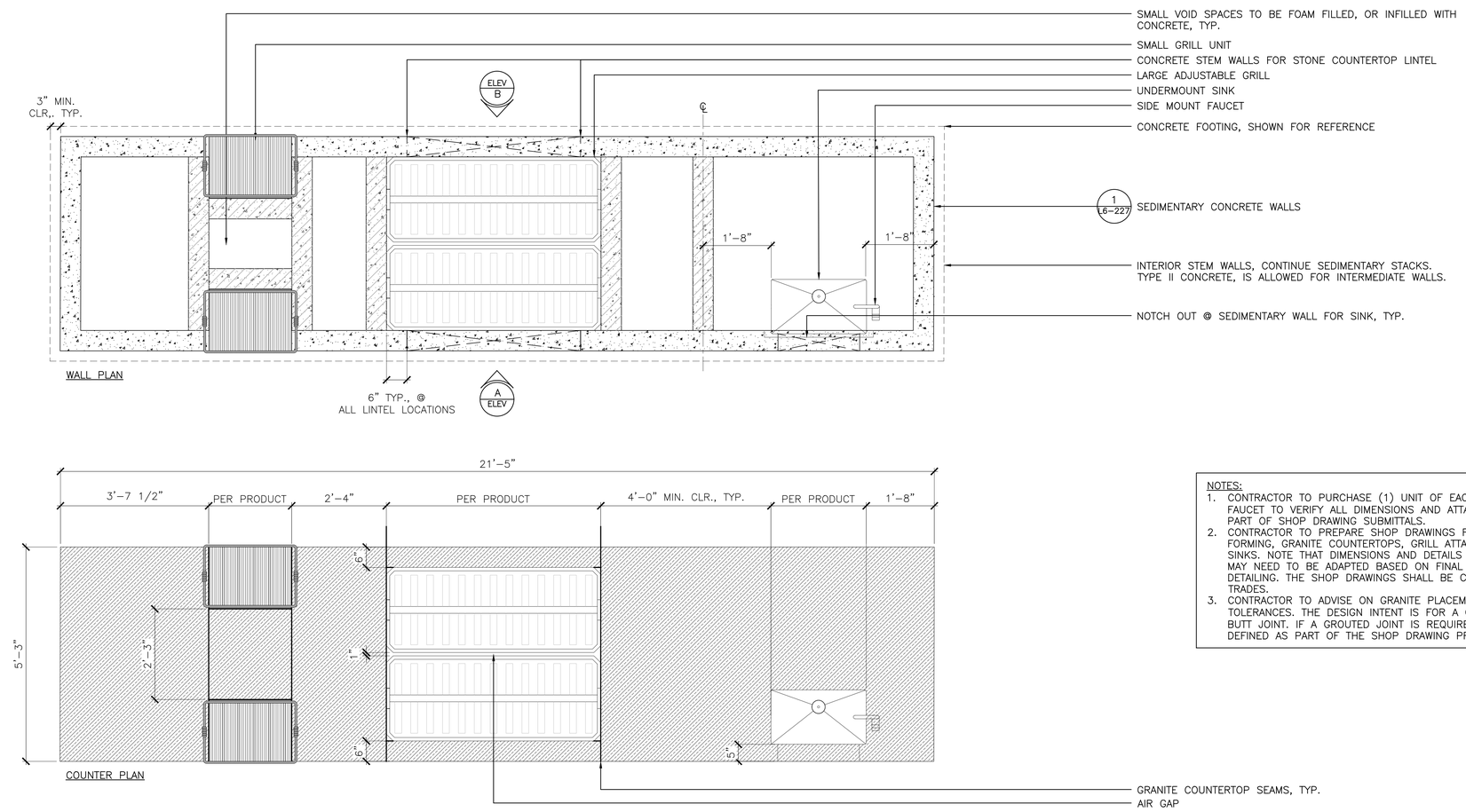


IMAGE SHOWN FOR REFERENCE ONLY (NTS)





NOTES:
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1 | BAY PICNIC AREA - PLANS & ELEVATIONS | SCALE: 3/4"=1'-0"

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REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
REGISTERED NO. 6313
GEOFFREY M. GUILLARD
Signature
Renewal Date
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

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	PHASE 1 - 100% PS&E BID SET	04.28.23
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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANU MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

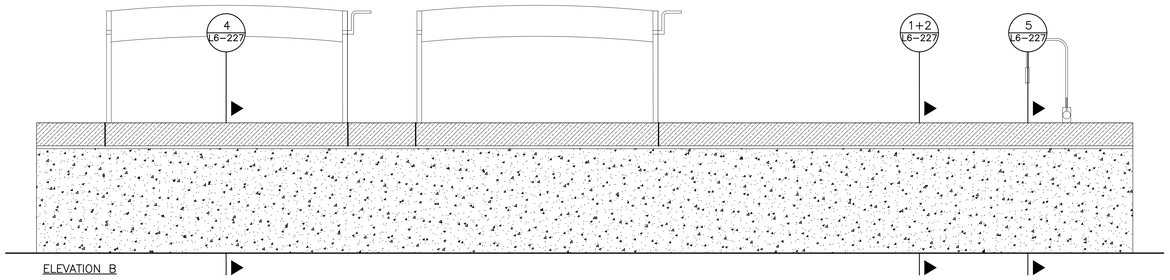
SHEET TITLE

PICNIC AREA DETAILS

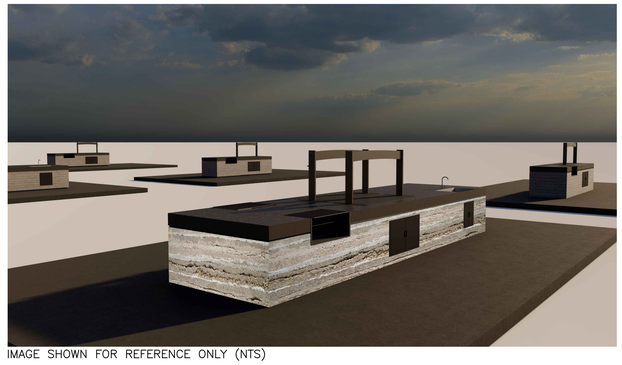
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-224



ELEVATION B



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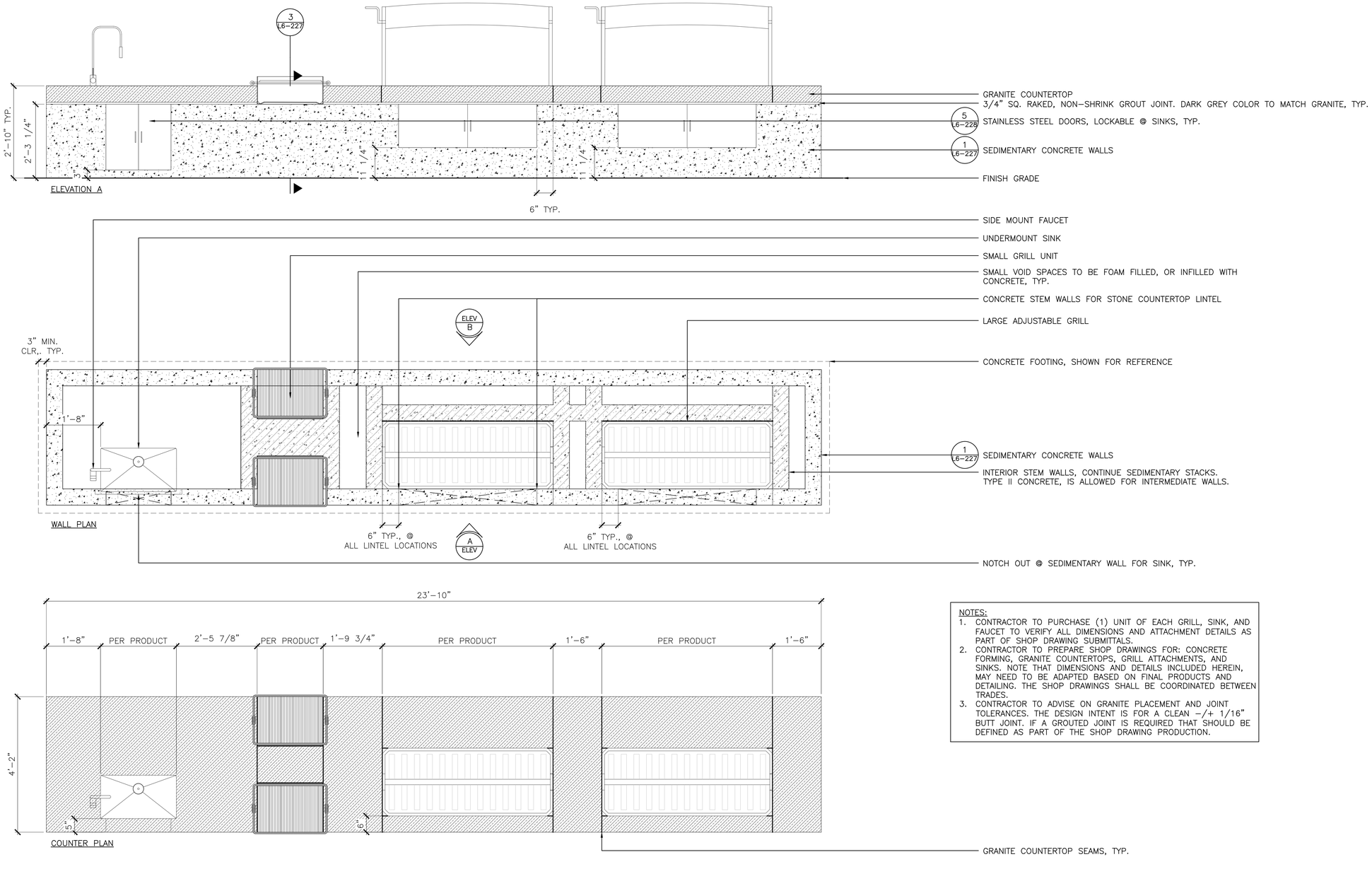

ELEVATION A

WALL PLAN

COUNTER PLAN

NOTES:

1. CONTRACTOR TO PURCHASE (1) UNIT OF EACH GRILL, SINK, AND FAUCET TO VERIFY ALL DIMENSIONS AND ATTACHMENT DETAILS AS PART OF SHOP DRAWING SUBMITTALS.
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1 MAPLE AND MADRONE PICNIC AREAS - PLANS & ELEVATIONS

SCALE: 3/4"=1'-0"

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 2065
Signature
Revision
Revised Date
11/07/2023
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

SHEET TITLE

PICNIC AREA DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-225

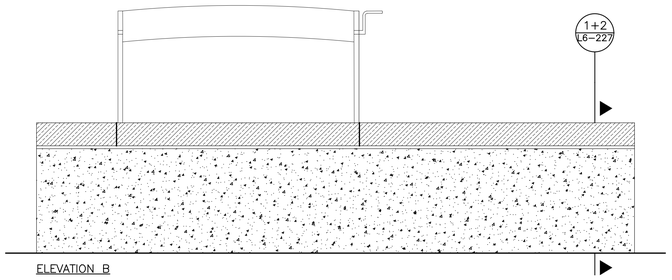
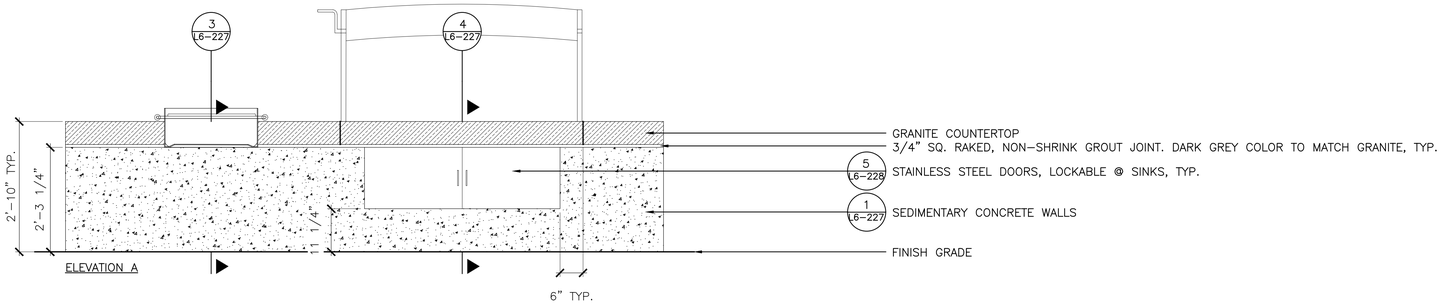
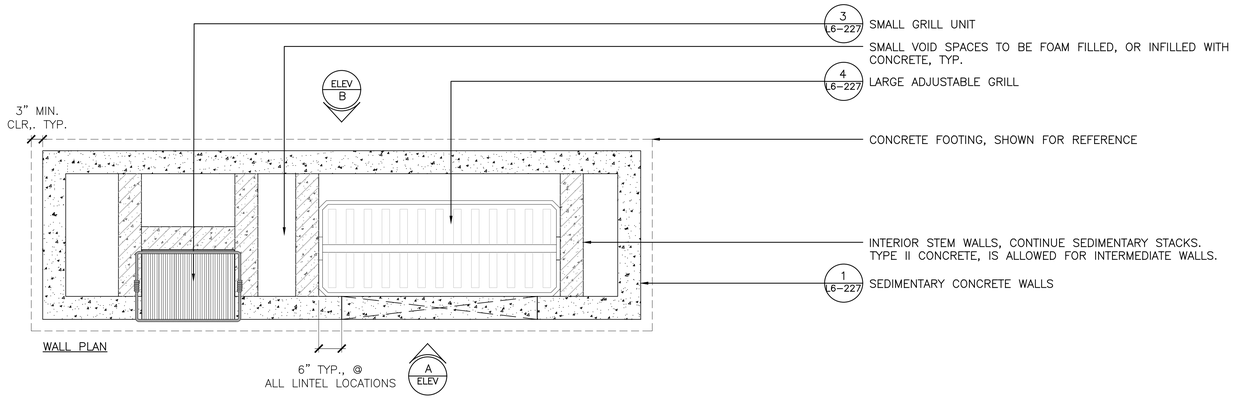
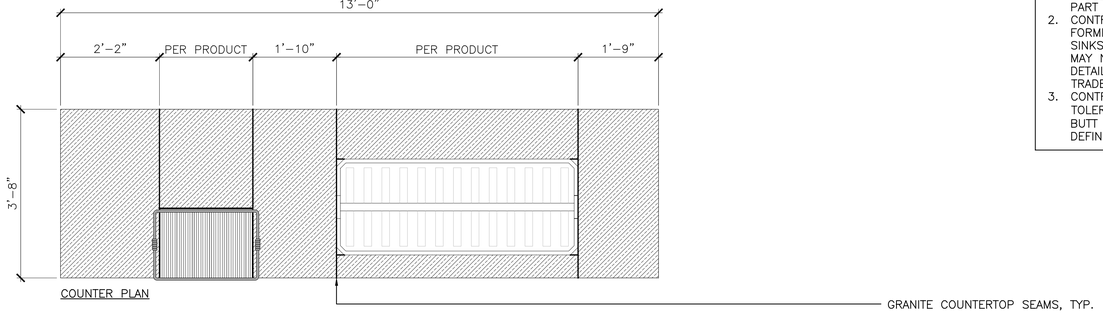




IMAGE SHOWN FOR REFERENCE ONLY (NTS)







NOTES:

1. CONTRACTOR TO PURCHASE (1) UNIT OF EACH GRILL, SINK, AND FAUCET TO VERIFY ALL DIMENSIONS AND ATTACHMENT DETAILS AS PART OF SHOP DRAWING SUBMITTALS.
2. CONTRACTOR TO PREPARE SHOP DRAWINGS FOR: CONCRETE FORMING, GRANITE COUNTERTOPS, GRILL ATTACHMENTS, AND SINKS. NOTE THAT DIMENSIONS AND DETAILS INCLUDED HEREIN, MAY NEED TO BE ADAPTED BASED ON FINAL PRODUCTS AND DETAILING. THE SHOP DRAWINGS SHALL BE COORDINATED BETWEEN TRADES.
3. CONTRACTOR TO ADVISE ON GRANITE PLACEMENT AND JOINT TOLERANCES. THE DESIGN INTENT IS FOR A CLEAN -/+ 1/16" BUTT JOINT. IF A GROUTED JOINT IS REQUIRED THAT SHOULD BE DEFINED AS PART OF THE SHOP DRAWING PRODUCTION.

1 FIR, REDWOOD, AND PINE PICNIC AREAS - PLANS & ELEVATIONS

SCALE: 3/4"=1'-0"

cmg
Landscape Architecture
444 Bryant St
San Francisco, CA 94107
415.495.3070
www.cmgsite.com

OWNER/CLIENT

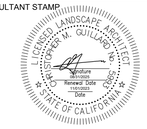
SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



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COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

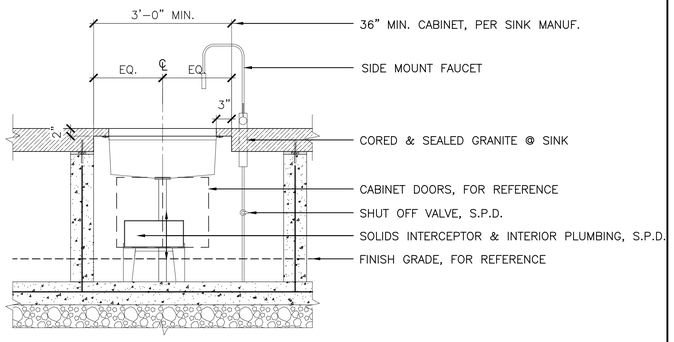
SHEET TITLE

PICNIC AREA DETAILS

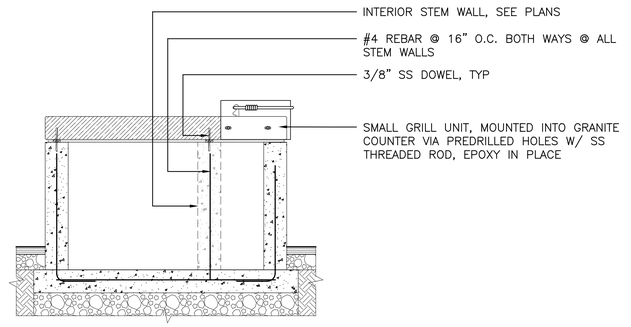
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

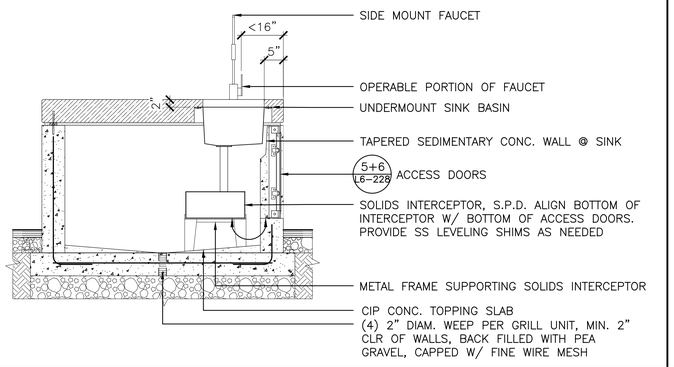
L6-226



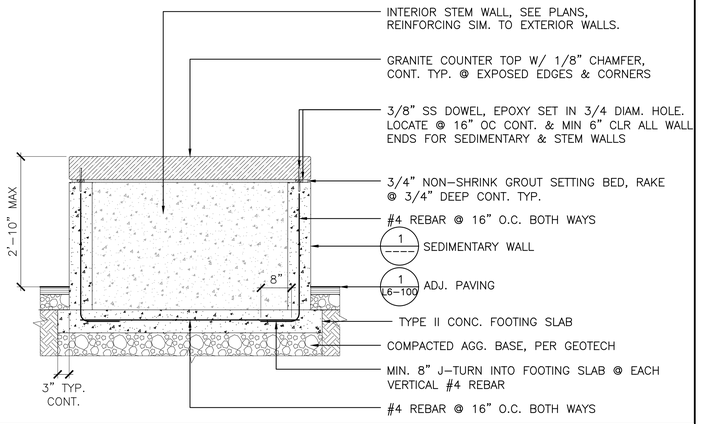
6 BBQ LONG. SECTION @ SINK — SCALE: 3/4"=1'-0"



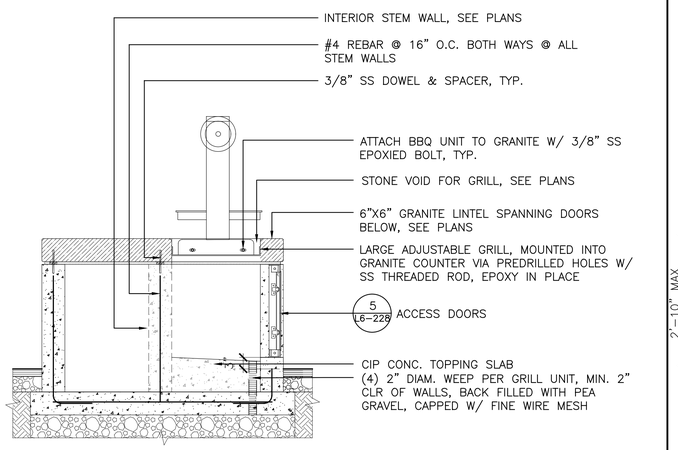
3 BBQ SECTION @ SM. ACCESS. GRILL — SCALE: 3/4"=1'-0"



5 BBQ CROSS SECTION @ SINK — SCALE: 3/4"=1'-0"



2 BBQ SECTION - CROSS TYP. — SCALE: 3/4"=1'-0"

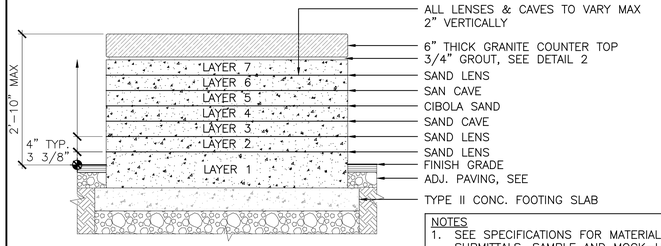


4 BBQ SECTION @ LARGE ADJ. GRILL — SCALE: 3/4"=1'-0"

SEDIMENTARY LENSES SCHEDULE		
LAYER	THICKNESS	AGGREGATE
7	4"	CIBOLA SAND 12-3DEG, PINK FELDSPAR
6	4"	ABALOME SAND, PINK FELDSPAR
5	4"	CIBOLA SAND 12-3DEG, BLACK FELDSPAR
4	4"	ABALOME SAND, CIBOLA SAN 12-3DEG
3	4"	MONTEREY, BLACK FELDSPAR
2	4"	MONTEREY, ABALOME SAND
1	9.5"	MONTEREY, BLACK FELDSPAR



PRECEDENT IMAGE - REFERENCE ONLY



NOTES
1. SEE SPECIFICATIONS FOR MATERIALS SUBMITTALS, SAMPLE AND MOCK-UP REQUIREMENTS.

1 BBQ ELEV. - TYPICAL SEDIMENTARY LENSES — SCALE: 3/4"=1'-0"

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OWNER/CLIENT

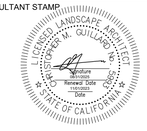
SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



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COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

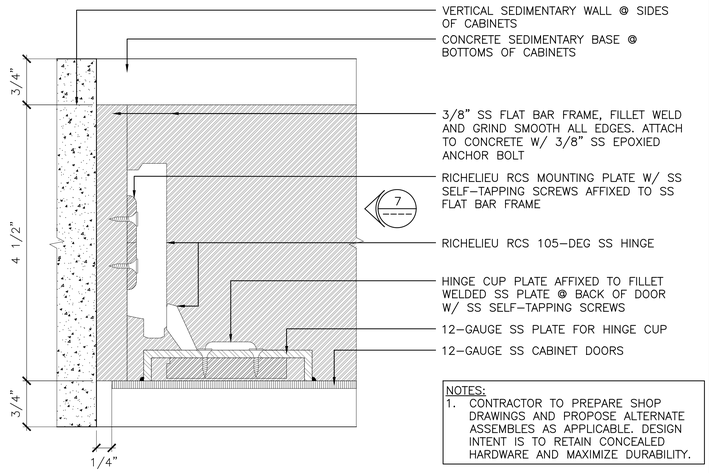
SHEET TITLE

PICNIC AREA DETAILS

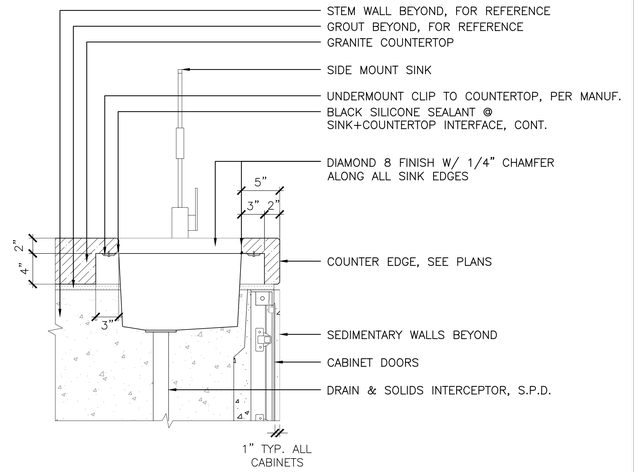
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

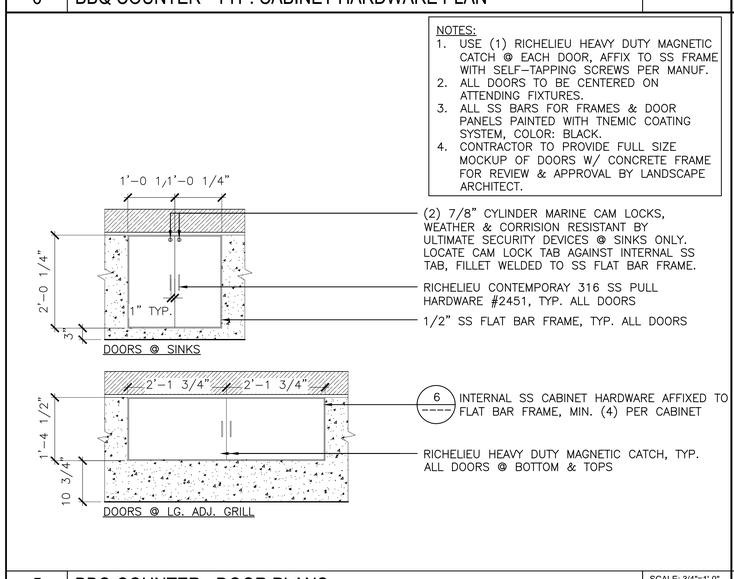
L6-227



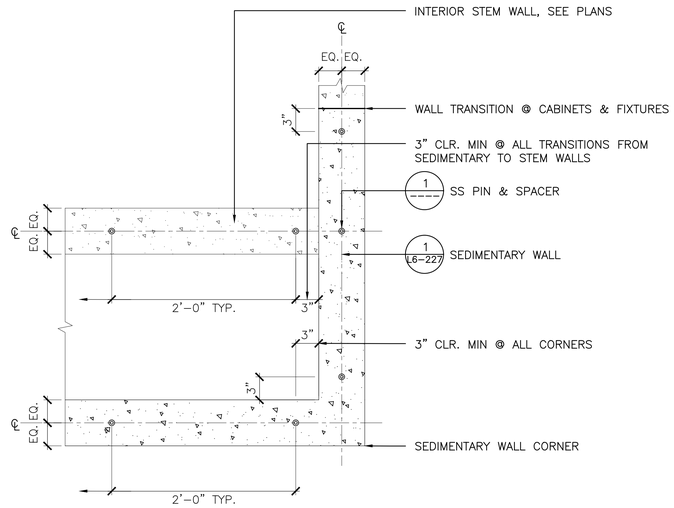
6 BBQ COUNTER - TYP. CABINET HARDWARE PLAN — SCALE: 1"=1"



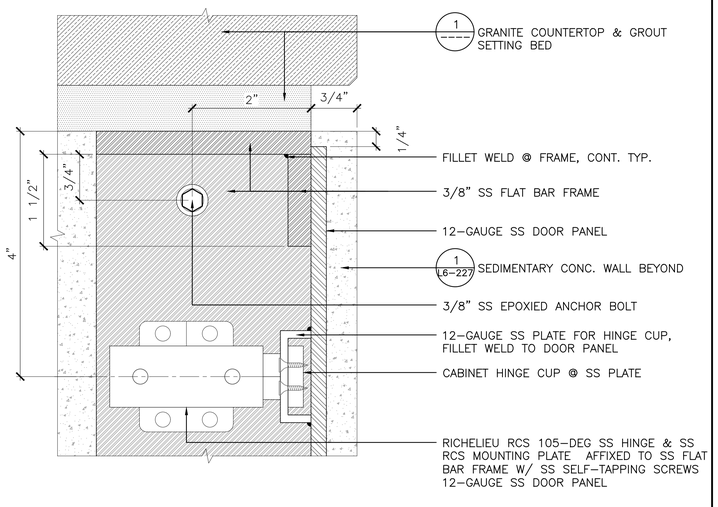
3 BBQ COUNTER - SINK MOUNTING — SCALE: 1 1/2"=1'-0"



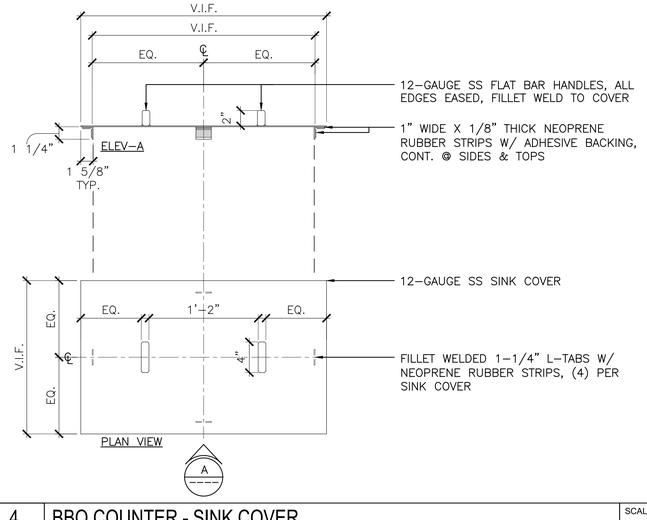
5 BBQ COUNTER - DOOR PLANS — SCALE: 3/4"=1'-0"



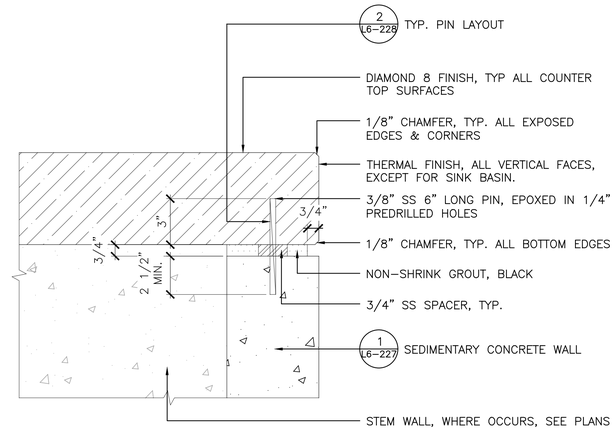
2 BBQ COUNTER - TYP. PIN LAYOUT — SCALE: 1 1/2"=1'-0"



7 BBQ COUNTER - TYP. CABINET HARDWARE SECTION — SCALE: 1"=1"



4 BBQ COUNTER - SINK COVER — SCALE: 1 1/2"=1'-0"



1 BBQ COUNTER - COUNTERTOP @ WALL TYP — SCALE: 3"=1'-0"

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SAN MATEO COUNTY
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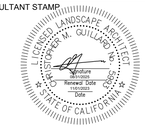
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP



PHASE

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COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

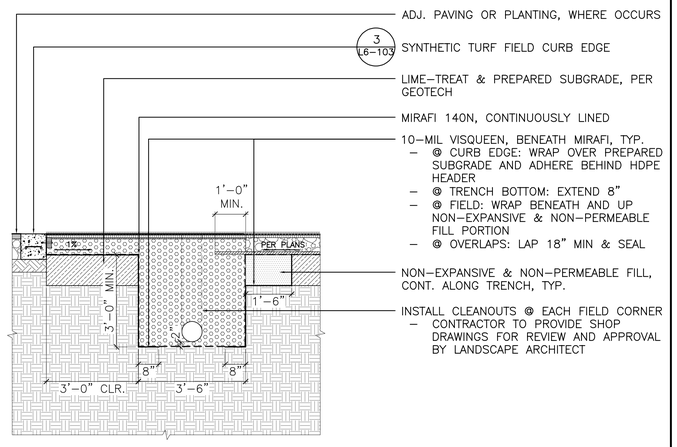
SHEET TITLE

PICNIC AREA DETAILS

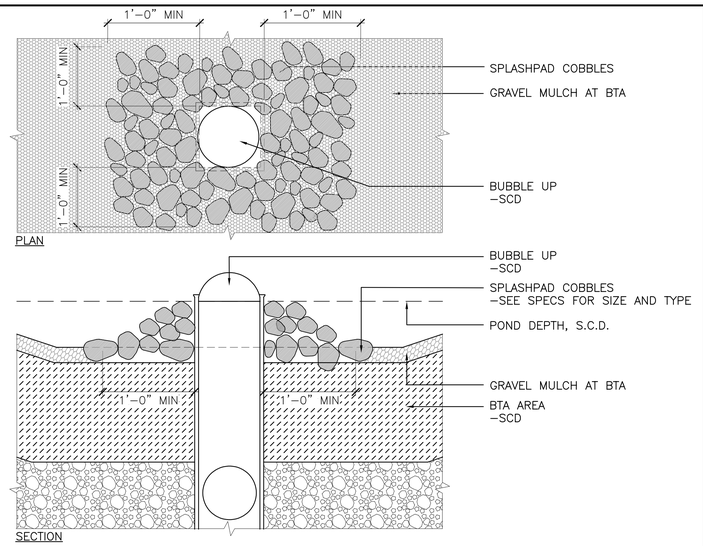
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-228

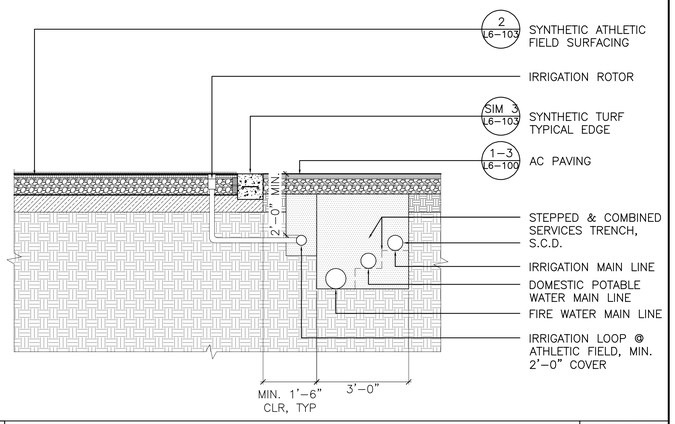


9 | INFILTRATION TRENCH - TYP. SECTION | SCALE: 1/2"=1'-0"

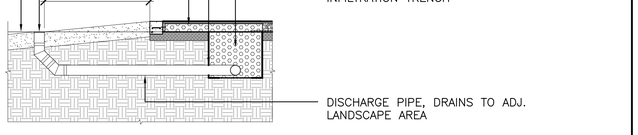


6 | BTA BUBBLE UP | SCALE: 1 1/2"=1'-0"

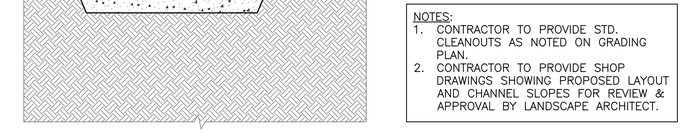
NOTES: CONTRACTOR TO VERIFY LOOP & ROTOR LAYOUT WITH LANDSCAPE ARCHITECT PRIOR TO EXVACATION OR INSTALLATION. LAYOUT TO BE FINALIZED IN ADVANCE OF SUBGRADE EXCAVATION AND PREPARATION.



3 | FIELD PERIM. - TYP. DET. TRENCH & COMB. SERVICES TRENCH | SCALE: 1/2"=1'-0"

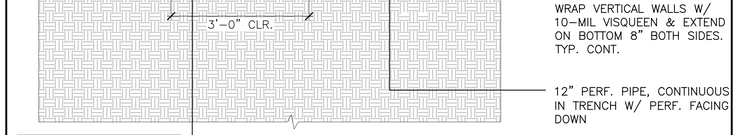


8 | INFILTRATION TRENCH DISCHARGE PIPE | SCALE: 1/4"=1'-0"



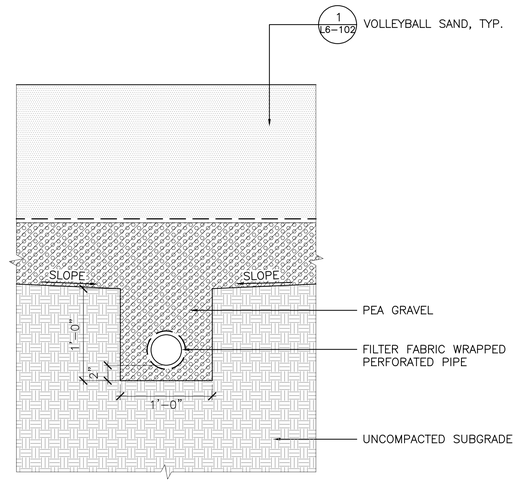
NOTES:
1. CONTRACTOR TO PROVIDE STD. CLEANOUTS AS NOTED ON GRADING PLAN.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS SHOWING PROPOSED LAYOUT AND CHANNEL SLOPES FOR REVIEW & APPROVAL BY LANDSCAPE ARCHITECT.

5 | SLOT DRAIN AT SPORT COURTS | SCALE: 3"=1'-0"

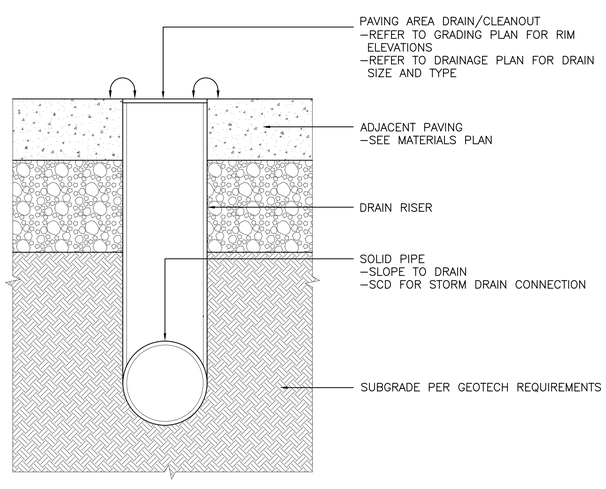


NOTE: SEE DETL 9 FOR INFILTRATION TRENCH TYP. PROFILE

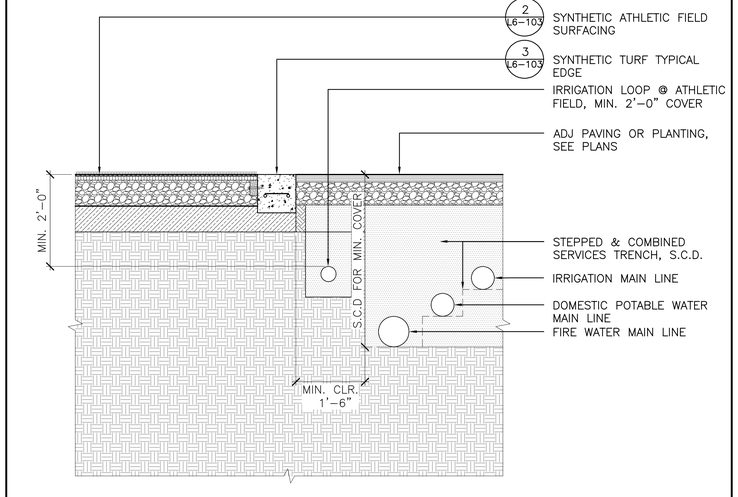
2 | FIELD PERIMETER - TYP DRAINAGE TRENCH | SCALE: 3/4"=1'-0"



7 | VOLLEYBALL UNDERDRAIN | SCALE: 1 1/2"=1'-0"



4 | AREA DRAIN OR UNDERDRAIN CLEANOUT AT PAVING | SCALE: 3"=1'-0"



1 | FIELD PERIMETER - TYP. COMBINED SERVICES TRENCH @ PAVING | SCALE: 3/4"=1'-0"

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REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 5617
Signature
Renewal Date 08/31/2025
Date
STATE OF CALIFORNIA

PHASE

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER ST. LAWAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA
11/07/2023

SHEET TITLE

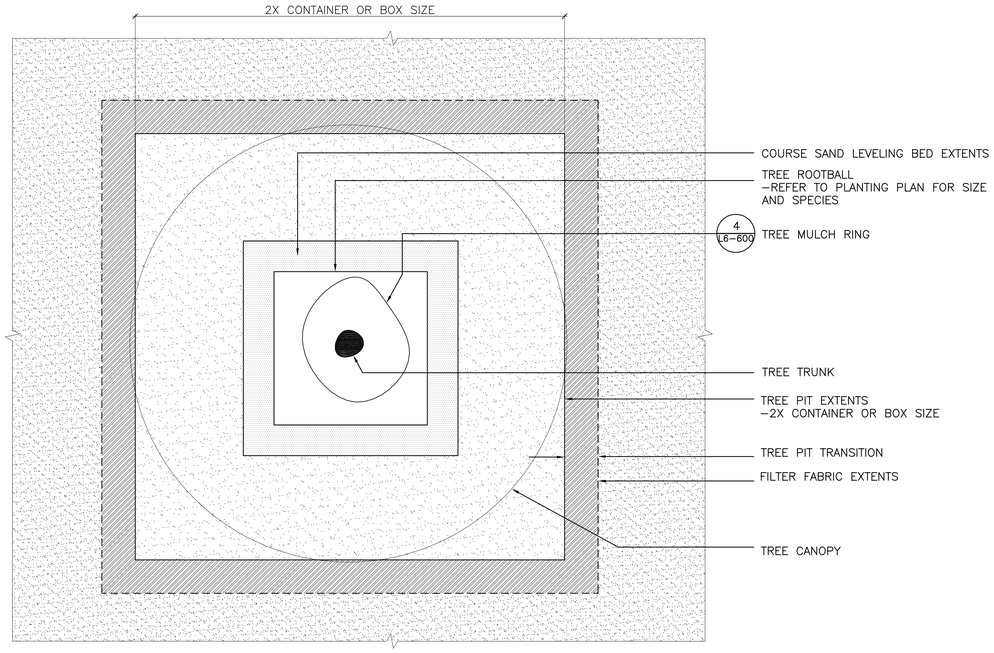
DRAINAGE DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

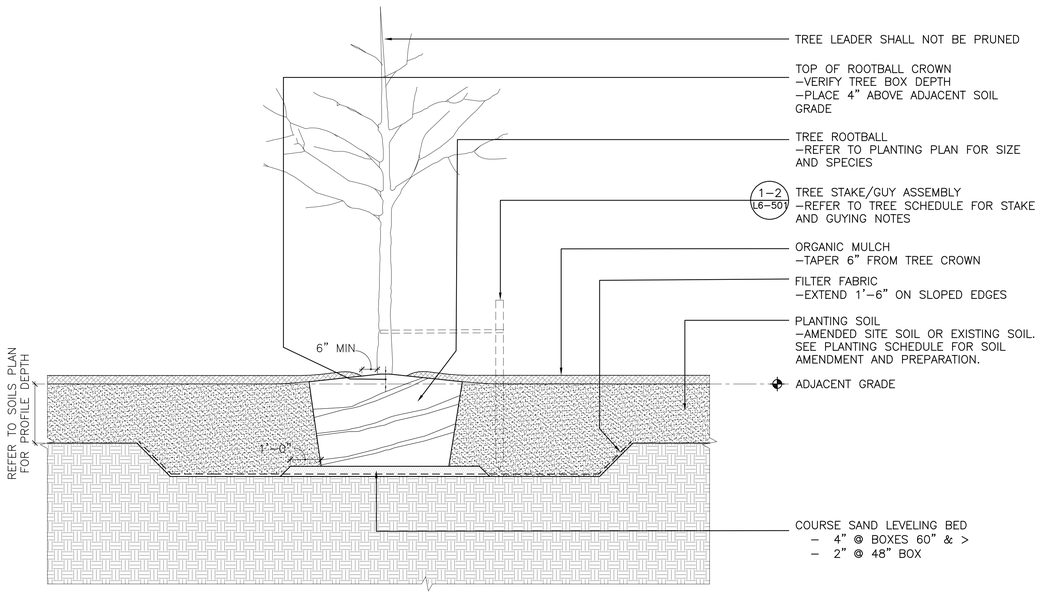
SHEET NUMBER

L6-400

NOTE: LANDSCAPE ARCHITECT SHALL REVIEW TREE PIT PREPARATION AND LOCATION OF TREES PRIOR TO PLANTING. TREE LEADER TO BE SET PLUMB.



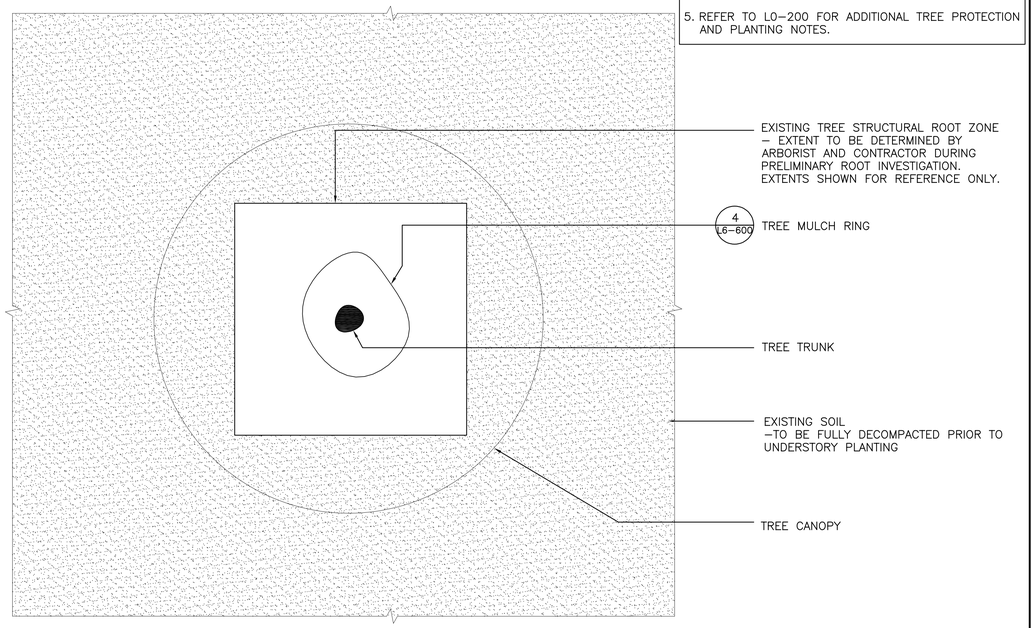
PLAN VIEW



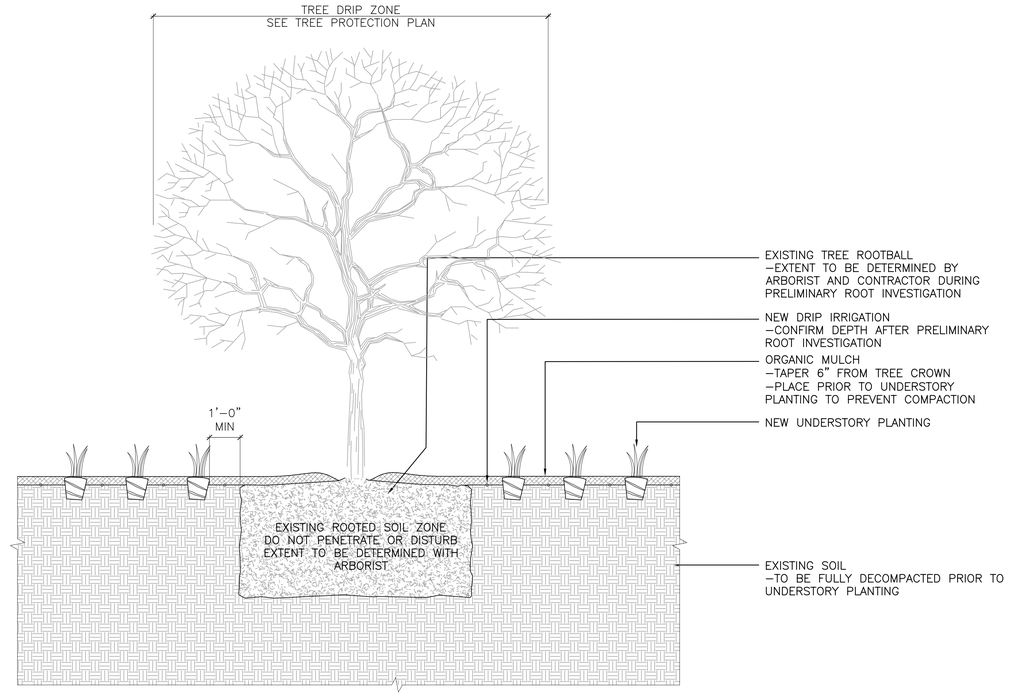
SECTION VIEW

2 | TREE PLANTING - SIZE 48" BOX TO 72" BOX | SCALE: 1/2"=1'-0"

NOTES:
1. ARBORIST AND CONTRACTOR TO CONDUCT PRELIMINARY ROOT INVESTIGATION TO DETERMINE ROOT DEPTH AND SIZE UNDER EXISTING TREES. IF EXISTING ROOTS ARE DEEMED AT AN APPROPRIATE DEPTH, NEW UNDERSTORY PLANTS ARE TO BE PLANTED OUTSIDE OF PRIMARY ROOT PLATE EQUAL TO 3X DBH. IF EXISTING ROOTS ARE DEEMED NOT AT AN APPROPRIATE DEPTH, NEW UNDERSTORY PLANTING IS TO REMAIN OUTSIDE THE LIMITS OF THE TREE PROTECTION ZONE.
2. ALL WORK WITHIN CANOPY DRIPLINE SHALL BE HAND LABOR.
3. REFER TO LANDSCAPE DEMO PLANS FOR TREE PROTECTION ZONES.
4. AVOID UNNECESSARY ROOT DISTURBANCE, COMPACTION OF SOILS WITHIN DRIP LINE, OR LIMB BREAKAGE. PLACE MULCH PRIOR TO UNDERSTORY PLANTING TO PREVENT COMPACTION. DO NOT STORE MATERIAL OR DISPOSE OF ANY MATERIAL WITHIN DRIPLINE.
5. REFER TO L0–200 FOR ADDITIONAL TREE PROTECTION AND PLANTING NOTES.



PLAN VIEW



SECTION VIEW

1 | EXISTING TREE WITH NEW UNDERSTORY PLANTING | SCALE: 1/2"=1'-0"

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OWNER/CLIENT

SAN MATEO COUNTY
PARKS DEPARTMENT,
455 COUNTY CENTER, 4TH FLOOR
REDWOOD CITY, CA 94063

CONSULTANTS

PROJECT NAME

FLOOD PARK
215 BAY RD.
MENLO PARK, CA 94025

CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 6132
Signature
Renewal Date 08/31/2024
Date
STATE OF CALIFORNIA

PHASE

PHASE 1 BID PS&E DOCUMENTS

NO.	ISSUE	DATE
	100% SCHEMATIC DESIGN (30%)	07.18.22
	PHASE 1 - CD PROGRESS SET	10.07.22
	PHASE 1 - 75% PS&E	11.04.22
	PHASE 1 - 90% PS&E	12.09.22
	PHASE 1 - 100% PS&E BID CHK SET	03.20.23
	PHASE 1 - 100% PS&E BID SET	04.28.23
	PHASE 1 - BID PS&E DOCUMENTS	05.26.23
1	BID ADDENDUM 1	07.03.23
2	BID ADDENDUM 2	08.04.23
	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
No. C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA
11/07/2023

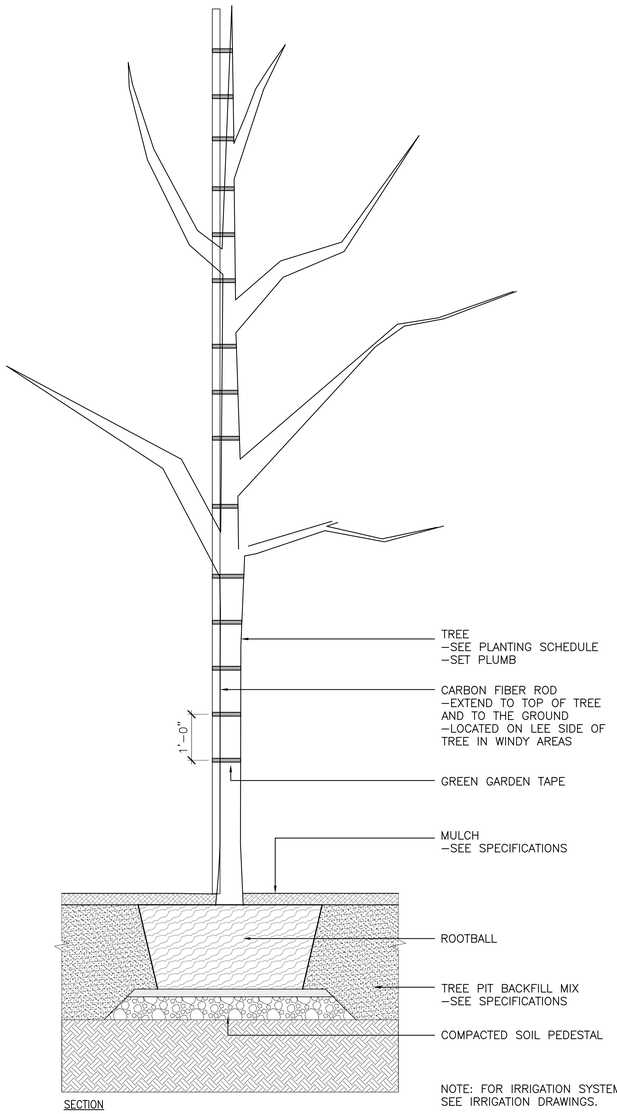
SHEET TITLE

TREE PLANTING DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

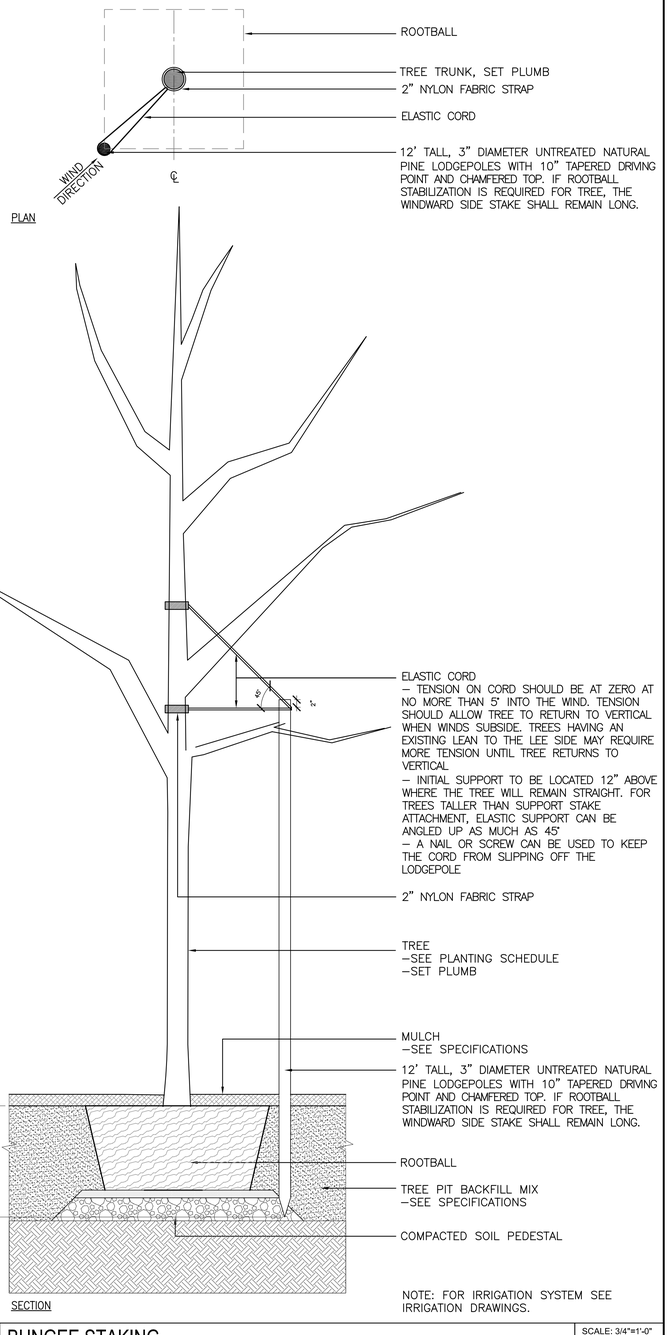
L6-500



SECTION

NOTE: FOR IRRIGATION SYSTEM SEE IRRIGATION DRAWINGS.

2 TREE ROD STAKING SCALE: 3/4"=1'-0"



PLAN

SECTION

NOTE: FOR IRRIGATION SYSTEM SEE IRRIGATION DRAWINGS.

1 BUNGEE STAKING SCALE: 3/4"=1'-0"

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CONSULTANTS

PROJECT NAME

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CONSULTANT STAMP

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER M. GUILLARD No. 2585
Signature
Registration Number
Renewal Date
Licensed Date
STATE OF CALIFORNIA

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PHASE 1 BID PS&E DOCUMENTS

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COUNTY OF SAN MATEO - DPW STAMP

REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

11/07/2023

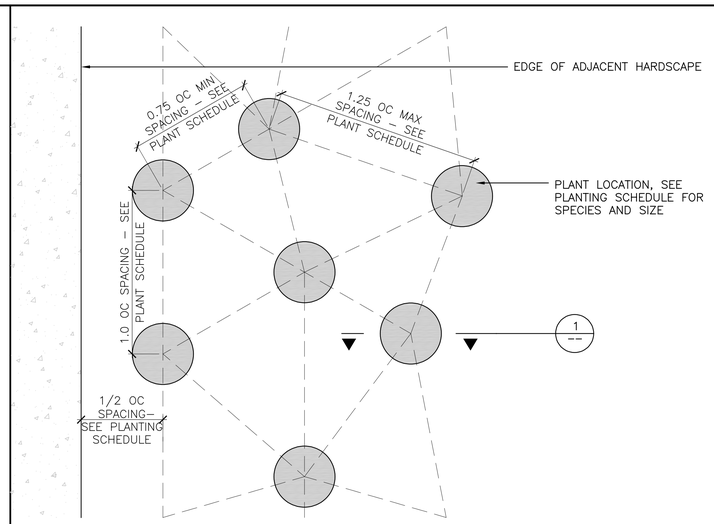
SHEET TITLE

TREE PLANTING DETAILS

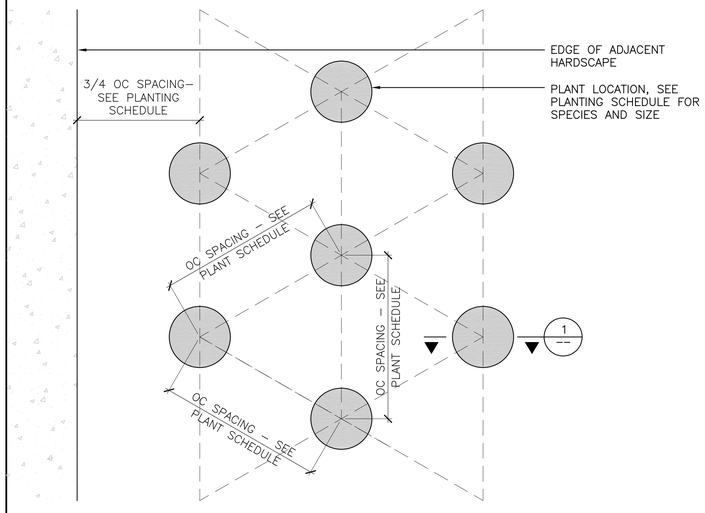
PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

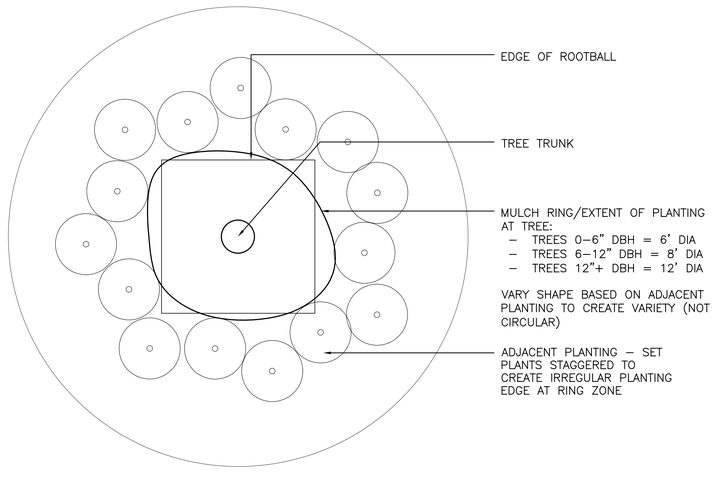
L6-501



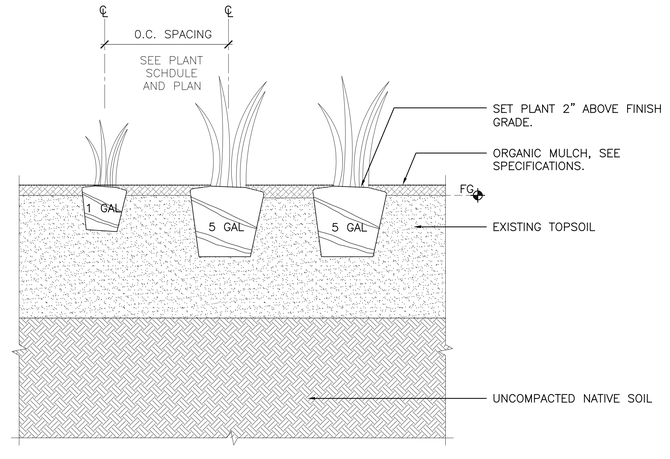
3 IRREGULAR SPACING - HABITAT PLANTING — SCALE: 1"=1'-0"



2 TRIANGULATED TYPICAL SPACING — SCALE: 1"=1'-0"



4 TREE MULCH RING — SCALE: 1/4"=1'-0"



1 SHRUB PLANTING — SCALE: 1"=1'-0"

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CONSULTANTS

PROJECT NAME

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	PHASE 1 - RE-BID PS&E DOCS	11.01.23

COUNTY OF SAN MATEO - DPW STAMP



11/07/2023

SHEET TITLE

UNDERSTORY PLANTING DETAILS

PROJECT	DRAWN BY
CSM 2101	AFO, JY, NA, AMP
SCALE	CHECKED BY
	CG, AMP

SHEET NUMBER

L6-600