CSFM APPLICATION #: 26-N-0828-C

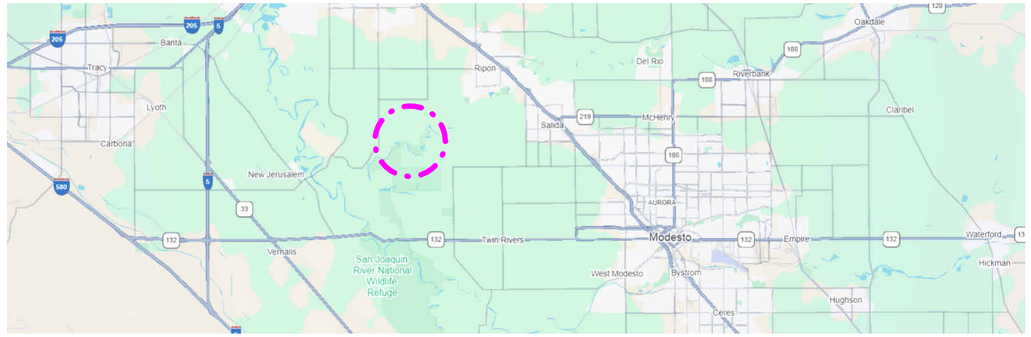
CALIFORNIA DEPARTMENT OF PARKS AND RECREATION
ACQUISITION AND DEVELOPMENT DIVISION

CASWELL MEMORIAL STATE PARK

CAMPGROUND AND DAY-USE IMPROVEMENTS

VICINITY MAP

28000 S Austin Rd, Ripon, CA 95366



SITE AERIAL



GENERAL NOTES

1. EXISTING SITE INFORMATION SHOWN ON THESE PLANS IS BASED ON SURVEY DATA PROVIDED BY MATTHEW E KRUEGER, PLS 9492, ISSUED ON 3/12/2024. EXISTING SITE CONDITIONS MAY VARY FROM THOSE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL ABOVE GROUND AND BELOW GROUND EXISTING CONDITIONS AND NOTIFY THE OWNERS REPRESENTATIVE ANY CONFLICT OR CONDITION REQUIRING MODIFICATION.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS SPECIFIED IN THE GEOTECHNICAL INVESTIGATION PROVIDED BY GEOCON CONSULTANTS, INC. ISSUED ON AUGUST 2025.
3. PLANS TO ADHERE TO THE 2015 CALIFORNIA STATE PARKS ACCESSIBILITY GUIDELINES.
4. DRAWINGS HAVE BEEN PREPARED ON AN ORIGINAL SHEET SIZE OF 24"X36"
5. CONTRACTOR TO PROVIDE BARRIERS AND SECURITY METHODS TO PROTECT THE GENERAL PUBLIC AND TO PREVENT UNCONTROLLED ACCESS TO THE SITE AT ALL TIMES.
6. CONTRACTOR TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE. BARRICADES, SIGNS LIGHTS, ETC., REQUIRED FOR THE PROTECTION OF PUBLIC, PERSONNEL, PROPERTY AND MATERIAL SHALL BE PROVIDED FOR AND MAINTAINED DURING CONSTRUCTION BY THE CONTRACTOR, AND SHALL CONFORM TO ALL GOVERNING CODES, ORDINANCES AND REGULATIONS. THE CONTRACTOR SHALL EMPLOY ALL MEANS NECESSARY TO CONTROL DUST AT AND NEAR THE SITE OF WORK AND ALONG APPROACH ROUTS TO THE CONSTRUCTION SITE.
7. PROVIDE ALL TOOLS, TRANSPORTATION, UTILITIES, TEMPORARY FACILITIES, AND OTHER SERVICES AS NECESSARY FOR PROPER EXECUTION OF THE WORK, AND SHALL ASSUME FULL RESPONSIBILITY FOR PROTECTION AND SAFEKEEPING OF THESE ELEMENTS DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE STATE REPRESENTATIVE FOR DESIGNATION OF THE MATERIAL STORAGE AREA AT THE JOB SITE.
8. MAINTAIN "GOOD HOUSEKEEPING" PRACTICES AT THE JOB SITE. EXCESS BUILDING MATERIALS AND REMOVE DEBRIS PROMPTLY FROM THE JOB SITE AND DISPOSE OF AT AN APPROVED DUMPSITE. LEAVE THE JOB SITE "BROOM CLEAN" AT THE END OF EACH WORKDAY. BEFORE ACCEPTANCE BY THE STATE REPRESENTATIVE, THE COMPLETED CONSTRUCTION SHALL BE CLEARED, ANY APPLICABLE LABELS REMOVED, AND ALL OTHER TOUCHUP WORK COMPLETED. ALL FINISH MATERIALS SHALL BE PROTECTED AT ALL TIMES AGAINST SUBSEQUENT DAMAGE UNTIL FINAL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.
9. UTILITY CONNECTIONS AND DISCONNECTIONS NECESSARY TO COMPLETE THE WORK SHALL BE PERFORMED IN SUCH MANNER IN ORDER TO MINIMIZE UTILITY SERVICE INTERRUPTIONS TO FACILITY OPERATIONS IN THE VICINITY OF CONSTRUCTION. COORDINATE ALL "DOWN TIME" WITH THE OWNER AND WITH THE APPROPRIATE AGENCY.
10. ALL SITE SUBGRADE PREPARATION, INCLUDING SUBEXCAVATION AND RECOMPACTION, IS TO BE PER GEOTECH REPORT LISTED IN NOTE #1 AND EARTHWORK SPECIFICATIONS.
11. THE LANDSCAPE ARCHITECT AND CONSULTANTS ARE NOT RESPONSIBLE, OR LIABLE FOR, UNAUTHORIZED CHANGES TO THE PLANS. CHANGES TO THE PLANS MUST BE IN WRITING AND APPROVED BY THE LANDSCAPE ARCHITECT AND STATE PARKS. ANY MODIFICATIONS TO THE PLANS, WITHOUT WRITTEN PERMISSION, SHALL RENDER THE PLANS INVALID
12. ALL SITE WORK SHALL CONFORM TO THE REQUIREMENTS OF TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE, THE UNIFORM BUILDING CODE, CAL-OSHA AND THE GOVERNING BUILDING AUTHORITY.
13. THE DRAWINGS AND SPECIFICATIONS DESCRIBE IN GENERAL THE QUALITY AND CHARACTER OF THE MATERIALS, SHAPE AND CONFIGURATION OF IMPROVEMENTS AND THE DESIGN INTENT OF THE COMPLETED, INSTALLED SITE WORK. MISCELLANEOUS ITEMS OF WORK, MATERIAL, EQUIPMENT, ETC., NECESSARY TO COMPLETE THE INSTALLATION SHALL BE PROVIDED BY THE CONTRACTOR WHETHER OR NOT MENTIONED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS, GRADES, DATUM, LEVELS AND CODE REQUIREMENTS PERTAINING TO SITE WORK, PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE STATE REPRESENTATIVE OF ANY CONDITION REQUIRING MODIFICATION.
15. UNDERGROUND UTILITIES INDICATED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES AND TO NOTIFY THE STATE REPRESENTATIVE OF ANY DIFFERENCE IN LOCATIONS OR ANY CONFLICTS WITH THE DESIGN BEFORE COMMENCING WORK. THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL THOSE DETERMINATIONS HAVE BEEN MADE. REFER TO CIVIL PLANS FOR UTILITY INFORMATION.
16. CONTRACTOR TO PROVIDE ADEQUATE COVER FOR THE PROTECTION OF ALL PROPOSED AND EXISTING UTILITIES DURING CONSTRUCTION OF THIS PROJECT.
17. ALL EXISTING UTILITY STRUCTURES (SHOWN OR NOT SHOWN ON THE DRAWINGS) WITHIN THE AREA OF WORK SHALL BE ADJUSTED OR RECONSTRUCTED TO THE FINISH GRADES AS SHOWN PER APPROVAL FROM THE STATE REPRESENTATIVE.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING EXISTING WALKS, SURROUNDING LANDSCAPE, AND OTHER IMPROVEMENT WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADING, ETC., AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPE, LOW SPOTS, OR HAZARDOUS CONDITIONS
19. WHERE PAVEMENT IS TO BE EXTENDED OR REMOVED, EXISTING PAVEMENT SHALL BE SAW-CUT TO A NEAT, CLEAN LINE IMMEDIATELY PRIOR TO THE PLACEMENT OF NEW PAVING.
20. THE CONTRACTOR SHALL LAYOUT SITE IMPROVEMENTS FROM THE DIMENSIONS SHOWN ON THE PLANS. ANY CLARIFICATION ON CONFLICTS, DISCREPANCIES OR AMBIGUITIES SHOULD BE DIRECTED TO THE STATE REPRESENTATIVE PRIOR TO THE CONSTRUCTION OF THE IMPROVEMENTS.
21. THE CONTRACTOR SHALL FIELD VERIFY THAT ALL CONSTRUCTION CONTROL STAKES SET FOR IMPROVEMENTS ARE CONSISTENT WITH THE DESIGN INTENT OF THESE PLANS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STATE REPRESENTATIVE OF ANY DISCREPANCY.
22. PRIOR TO PLACEMENT OF ANY FINISH WALKING SURFACE MATERIAL, THE CONTRACTOR SHALL VERIFY ALL FINISH GRADES AND SLOPES FOR COMPLIANCE WITH CALIFORNIA BUILDING CODE AND ADA. CONTRACTOR TO IMMEDIATELY NOTIFY THE STATE REPRESENTATIVE OF ANY SUSPECTED NON COMPLIANCE.
23. ALL MATERIALS SHOWN OR NOTED ON THE PLANS ARE NEW UNLESS CALLED OUT OTHERWISE.
24. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS SHOWN ORDIMENSIONED HERE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STATE REPRESENTATIVE FOR RESOLUTION BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
25. IF ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER EXCAVATION, EARTHWORK WITHIN 100 FEET OF THESE MATERIALS SHALL BE STOPPED AND THE FIND REPORTED TO THE PROPER AUTHORITIES. A PROFESSIONAL ARCHAEOLOGIST SHALL HAVE AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND SUGGEST APPROPRIATE MITIGATION MEASURES, IF THEY ARE DEEMED NECESSARY. SKELETAL MATERIALS MUST BE REPORTED PROMPTLY TO THE COUNTY CORONER.
26. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE FOLLOWING LISTED CODES, AND ALL OTHERS HAVING JURISDICTION OVER THE WORK.
    TITLE 19, CCR, PUBLIC SAFETY, SFM REGULATIONS.
    2025 CA ADMINISTRATIVE CODE TITLE 24, PT 1.
    2025 CA BUILDING CODE (CBC) TITLE 24, PT 2.
    2025 CA ELECTRICAL CODE (CEC) TITLE 24, PT 3.
    2025 CA MECHANICAL CODE (CMC) TITLE 24, PT 4.
    2025 CA PLUMBING CODE (CPC) TITLE 24, PT 5.
    2025 CA ENERGY CODE CCR TITLE 24, PT 6.
    2025 CA GREEN BUILDING STANDARDS TITLE 24, PT 11.
    2025 CA REFERENCED STANDARDS TITLE 24, PT 12.
    2025 ADA STANDARD FOR ACCESSIBLE DESIGN.
    THE SECRETARY OF THE INTERIORS STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.

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BUILDING CODE REVIEW

1. OCCUPANCY CLASSIFICATION: NA
2. BUILDING CONSTRUCTION TYPE: NA
3. NUMBER OF STORIES: NA
4. ACTUAL BUILDING HEIGHT: NA
5. BUILDING AREA IN SQUARE FEET: NA
6. AREA OF PROJECT: 258 ACRES (ENTIRETY OF PARK)
7. SEPARATED OR NON-SEPARATED USE
8. ALLOWABLE AREA PER C.B.C.: NA
9. AREA INCREASES: NA
10. HEIGHT: NA
11. FIRE SPRINKLERS (YES OR NO): NA
12. FIRE ALARM (YES OR NO): NA
13. OTHER FIRE PROTECTION SYSTEMS IF ANY: NA
14. SMOKE CONTROL SYSTEM (YES OR NO): NA
15. OCCUPANT LOAD FOR ENTIRE BUILDING AND EACH FLOOR: NA
16. YEAR BUILDING WAS CONSTRUCTED: NA
17. IS BUILDING IN HIGH FIRE HAZARD SEVERITY ZONE: NA
18. SEISMIC JOINTS: NA
19. EMERGENCY RESPONDER RADIO: NA
20. HIGH-RISE: NA

PROJECT DESCRIPTION

CASWELL MEMORIAL STATE PARK, LOCATED ALONG THE STANISLAUS RIVER NEAR RIPON, CALIFORNIA, IS A KEY PART OF THE CENTRAL VALLEY VISION. THE PARK PRESERVES A RARE RIPARIAN OAK WOODLAND AND OFFERS A RANGE OF RECREATIONAL OPPORTUNITIES. IT RECEIVED FUNDING FROM THE WATERWAYS CONNECTION INITIATIVE (WCI), WHICH AIMS TO INCREASE PUBLIC ACCESS TO INLAND WATERWAYS AND OUTDOOR RECREATION, PARTICULARLY FOR COMMUNITIES THAT CURRENTLY LACK THIS CONNECTION. THE GENERAL PLAN AND CENTRAL VALLEY VISION IDENTIFY THIS PARK AS A HIGH-PRIORITY SITE.

THE PROPOSED IMPROVEMENTS TO THE PARK INCLUDE: A REFRESH OF THE EXISTING CAMPFIRE CENTER; ADA AND GENERAL PARKING IMPROVEMENTS, PARKING RESTRIPING AND FINISHING; UPDATES TO GATE SYSTEM AT THE ENTRANCE; NEW IRRIGATION SYSTEMS WITHIN THE DAY-USE AREAS; NEW UTILITIES CONNECTING TO THE CAMP HOST SITES; AND WATER MAIN LINE IMPROVEMENTS SERVING BOTH THE DAY-USE AND CAMPGROUND AREAS. NO NEW BUILDINGS ARE PROPOSED, NO EXISTING BUILDING STRUCTURES WILL BE MODIFIED.

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT — DEBRA DAWN GUENTHER LAUNER
Signature
2/28/2026
Date
Renewal Date
10/1/2026
STATE OF CALIFORNIA

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION

CERTIFICATION Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

DESIGNED	CF, TF
DRAWN	CF, TF
CHECKED	DG
DATE	01/30/26

REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

COVER SHEET & INDEX

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Project Milestone: CONSTRUCTION DOCUMENTS

V2

STATE OF CALIFORNIA —NATURAL RESOURCES AGENCY — Gavin Newsom, Governor

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
Office of the State Fire Marshal
P.O. Box 944246 SACRAMENTO,
CA 94244-2460 (916) 568-3801
Website: www.osfm.fire.ca.gov

LOCAL FIRE AUTHORITY – ACCESS APPROVAL

Agency & Project Name_____

Address:_____

GovMotus Control Number:_____

Pursuant to CCR Title 19 §3.00 and §3.05, the California State Fire Marshal is requesting certification from the local fire authority that the above sections are met to their satisfaction.

This form shall be scanned to the accompanying fire access plan reflecting all items under consideration, and wet signed by the local fire authority. Please complete all applicable items based on scope. California State Fire Marshal project approval may be delayed until this form is completed and returned. If you have any questions, please contact the California State Fire Marshal Plan Review Section at OSFMFireLifeSafetyGOVmotus@fire.ca.gov.

Approved	Yes	No	
Fire Department Access	X		
Fire Department Connection	X		N/A
Fire Hydrant	X		
Fire Alarm Annunciator			NA
Fire Alarm Control Panel			NA
Knox Box	X		
Emergency Responder Radio Coverage			NA
Medical Emergency Service Elevator			NA
Fire Service Access Elevator			NA
Bi-Directional Amplification (BDA) Systems			NA

see fire access plan - C4.0

see fire access plan - C4.0

Local Fire Authority: Ripon Fire Dist
Address: 142 S Stanislaus
City/State/ZIP: Ripon CA 95366

Approval issued by: Eric DeHart
Rank/Title: Fire Chief
Phone Number: 209-599-7461
Signature: _____ **Date:** 1-16-26

"The Department of Forestry and Fire Protection serves and safeguards the people and protects the property and resources of California."

FACILITIES &
DEVELOPMENT DIVISION

MITHŪN®

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LATAS
Signature
2/28/2026
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

LOCAL FIRE AUTHORITY- ACCESS APPROVAL FORM

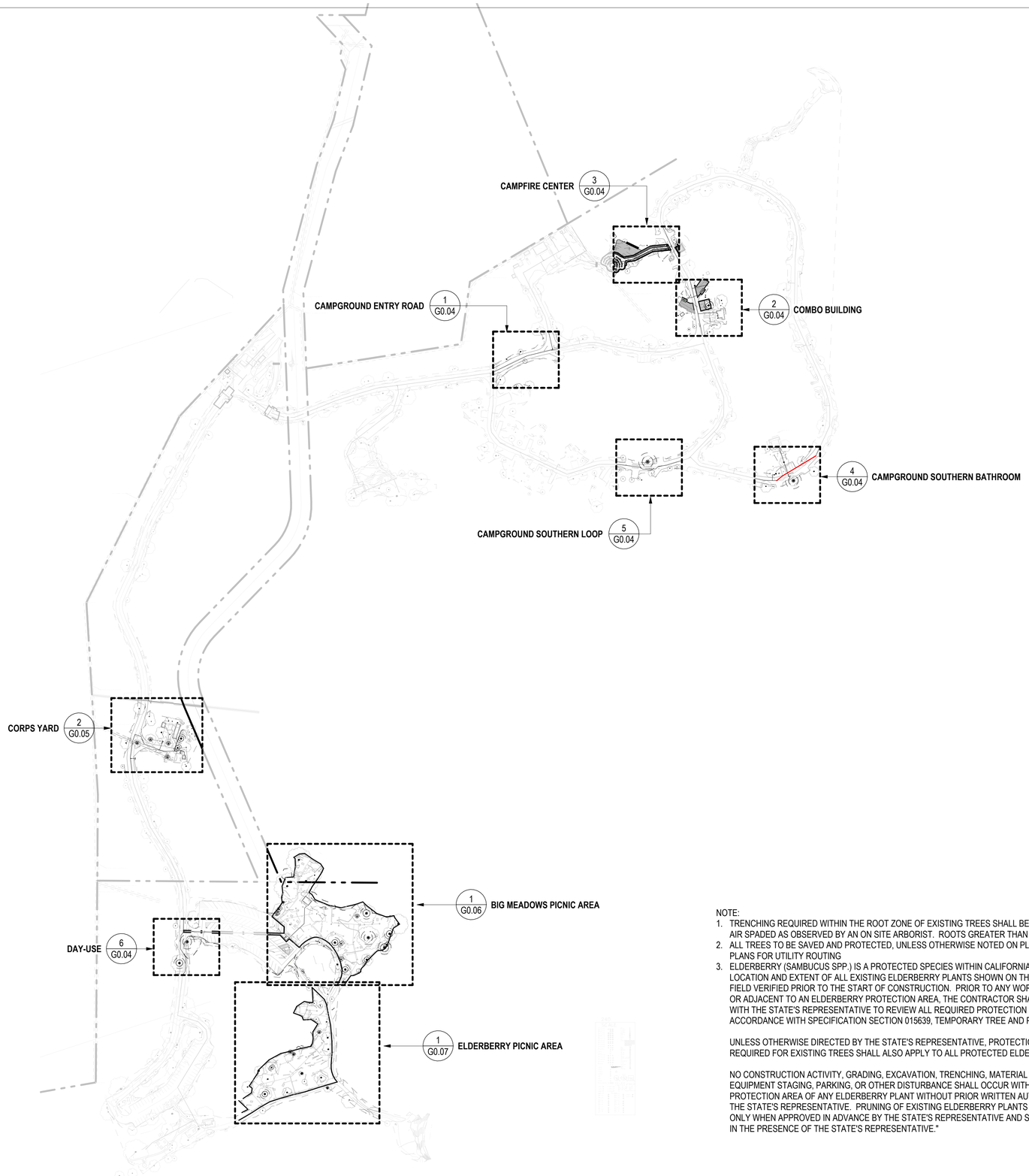
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Project Milestone: CONSTRUCTION DOCUMENTS

V2



NOTE:

1. TRENCHING REQUIRED WITHIN THE ROOT ZONE OF EXISTING TREES SHALL BE DONE BY HAND OR AIR SPADED AS OBSERVED BY AN ON SITE ARBORIST. ROOTS GREATER THAN 2" SHALL NOT BE CUT.
2. ALL TREES TO BE SAVED AND PROTECTED, UNLESS OTHERWISE NOTED ON PLANS, SEE IRRIGATION PLANS FOR UTILITY ROUTING
3. ELDERBERRY (SAMBUCUS SPP.) IS A PROTECTED SPECIES WITHIN CALIFORNIA STATE PARKS. THE LOCATION AND EXTENT OF ALL EXISTING ELDERBERRY PLANTS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION. PRIOR TO ANY WORK OCCURRING WITHIN OR ADJACENT TO AN ELDERBERRY PROTECTION AREA, THE CONTRACTOR SHALL MEET ON SITE WITH THE STATE'S REPRESENTATIVE TO REVIEW ALL REQUIRED PROTECTION MEASURES IN ACCORDANCE WITH SPECIFICATION SECTION 015639, TEMPORARY TREE AND PLANT PROTECTION.

   UNLESS OTHERWISE DIRECTED BY THE STATE'S REPRESENTATIVE, PROTECTION MEASURES REQUIRED FOR EXISTING TREES SHALL ALSO APPLY TO ALL PROTECTED ELDERBERRY PLANTS.

   NO CONSTRUCTION ACTIVITY, GRADING, EXCAVATION, TRENCHING, MATERIAL STORAGE, EQUIPMENT STAGING, PARKING, OR OTHER DISTURBANCE SHALL OCCUR WITHIN THE DESIGNATED PROTECTION AREA OF ANY ELDERBERRY PLANT WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STATE'S REPRESENTATIVE. PRUNING OF EXISTING ELDERBERRY PLANTS MAY BE PERMITTED ONLY WHEN APPROVED IN ADVANCE BY THE STATE'S REPRESENTATIVE AND SHALL BE PERFORMED IN THE PRESENCE OF THE STATE'S REPRESENTATIVE."

1 OVERALL SITE PLAN - TREE REMOVAL AND PROTECTION KEY

1" = 160'-0"

N

0 80' 160' 320' 480'

1" = 160'

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LATAS
Signature
2/28/2028
Renewal Date
10/1/2026
Date
STATE OF CALIFORNIA

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CASWELL MEMORIAL STATE PARK

CAMPGROUND & DAY-USE IMPROVEMENTS

OVERALL SITE PLAN - TREE REMOVAL AND PROTECTION KEY

2422700

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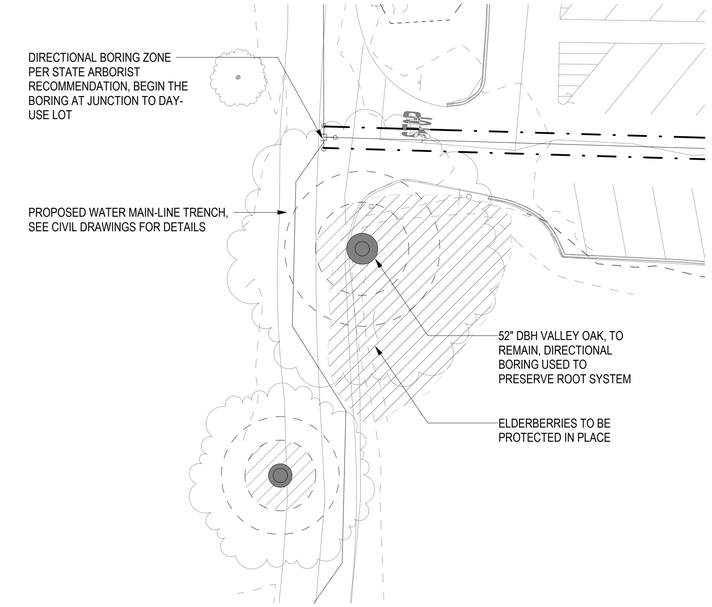
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Project Milestone: CONSTRUCTION DOCUMENTS

V2

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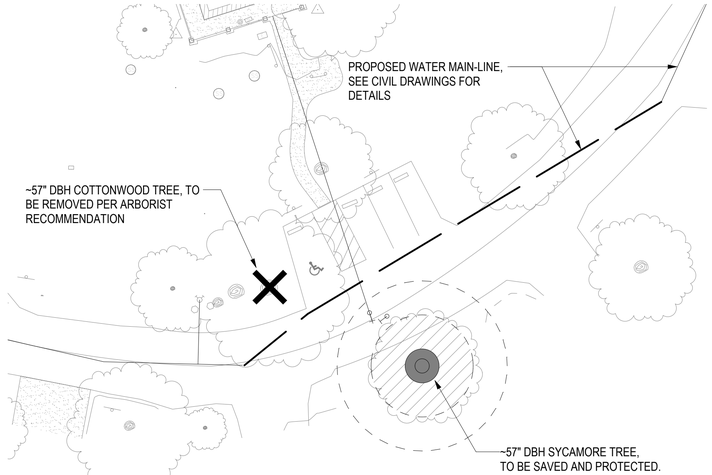


6 TREE PROTECTION & REMOVAL - DAY-USE

1" = 20'-0"

0 10' 20' 40' 60'

1" = 20'

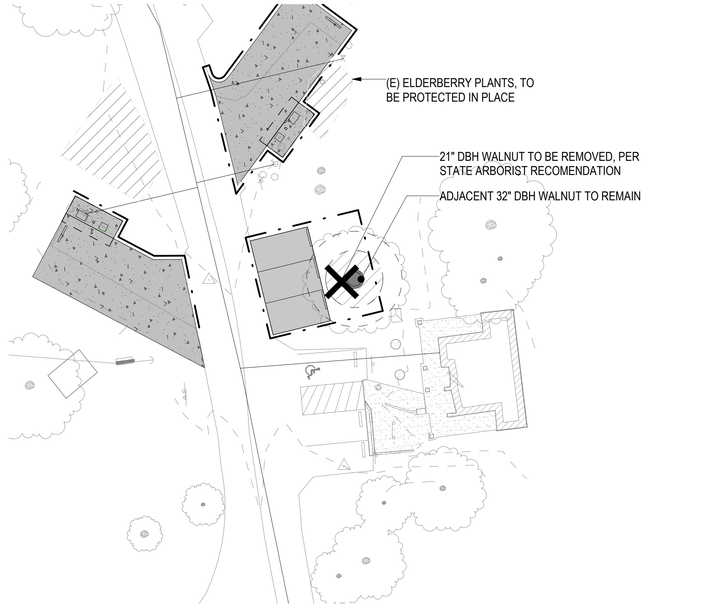


4 TREE PROTECTION & REMOVAL - S. BATHROOM

1" = 20'-0"

0 10' 20' 40' 60'

1" = 20'

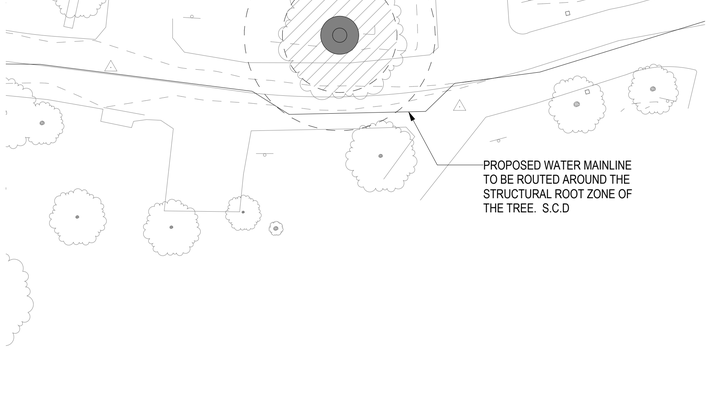


2 TREE PROTECTION & REMOVAL - COMBO BUILDING

1" = 20'-0"

0 10' 20' 40' 60'

1" = 20'

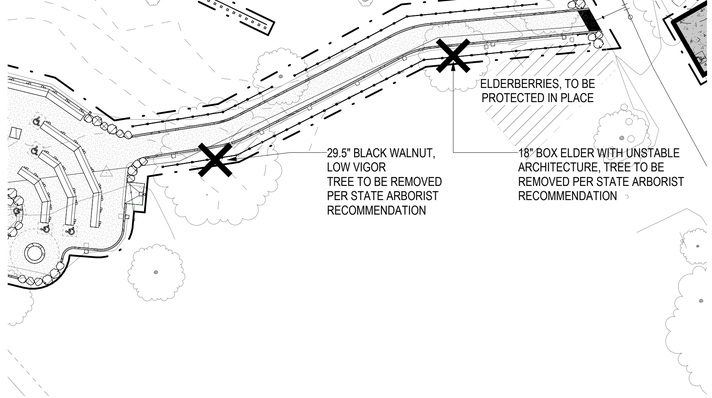


5 TREE PROTECTION & REMOVAL - CAMPGROUND S. LOOP

1" = 20'-0"

0 10' 20' 40' 60'

1" = 20'

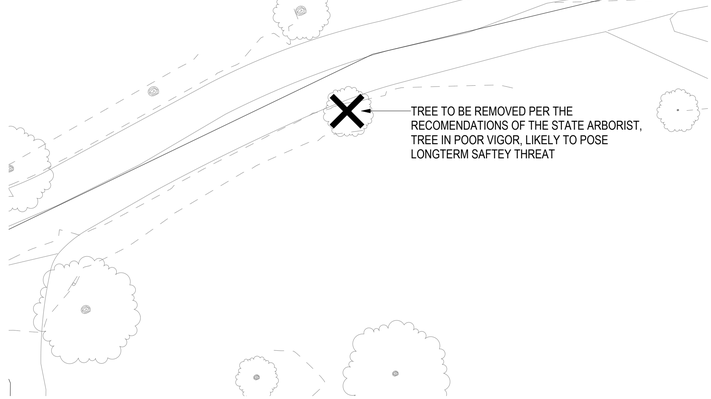


3 TREE PROTECTION & REMOVAL - CAMPFIRE CENTER

1" = 20'-0"

0 10' 20' 40' 60'

1" = 20'



1 TREE PROTECTION & REMOVAL - CAMPGROUND ENTRY RD.

1" = 20'-0"

0 10' 20' 40' 60'

1" = 20'

NOTE:
1. TRENCHING REQUIRED WITHIN THE ROOT ZONE OF EXISTING TREES SHALL BE DONE BY HAND OR AIR SPADED AS OBSERVED BY AN ON SITE ARBORIST. ROOTS GREATER THAN 2" SHALL NOT BE CUT.
2. ALL TREES TO BE SAVED AND PROTECTED, UNLESS OTHERWISE NOTED ON PLANS, SEE IRRIGATION PLANS FOR UTILITY ROUTING
3. REFER TO SHEET G0.03, TREE AND PLANT PROTECTION PLAN, FOR HUCKLEBERRY PROTECTION REQUIREMENTS.

TREE REMOVAL AND PROTECTION LEGEND

EXISTING TREE TO BE PROTECTED IN PLACE

(E) STRUCTURAL ROOT ZONE = 3* DBH
(E) TREE TRUNK (DBH)
(E) CRITICAL ROOT ZONE = 5* DBH

EXISTING TREE TO BE REMOVED

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LATHE
Signature
2/28/2026
Renewal Date
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

TREE PROTECTION AND REMOVAL PLANS

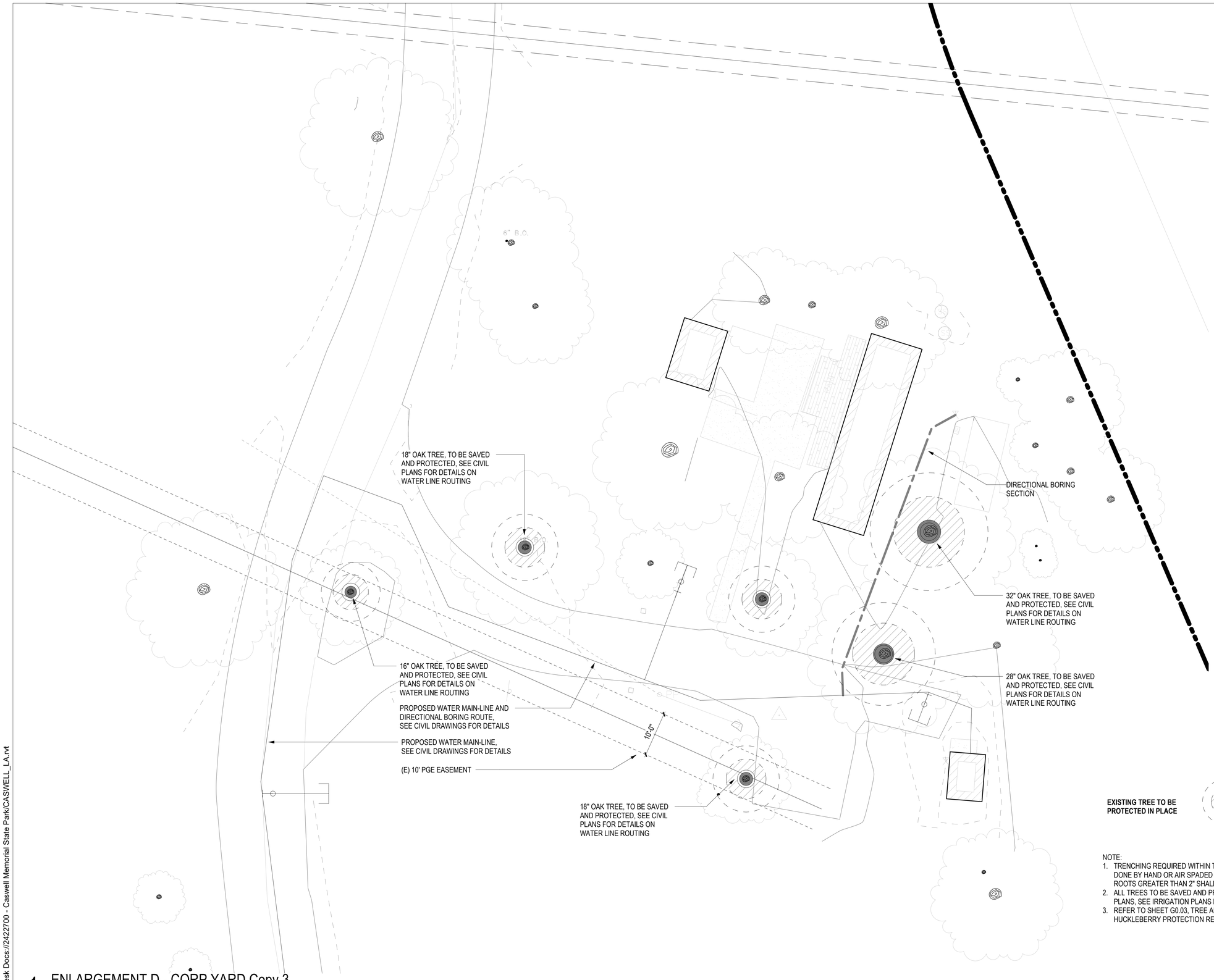
2422700

SHEET NO.
G0.04
4 OF 56

V2

Project Milestone: CONSTRUCTION DOCUMENTS

Autodesk Docs://2422700 - Caswell Memorial State Park/CASWELL_LA.rvt



NOTE:
1. TRENCHING REQUIRED WITHIN THE ROOT ZONE OF EXISTING TREES SHALL BE DONE BY HAND OR AIR SPADED AS OBSERVED BY AN ON SITE ARBORIST. ROOTS GREATER THAN 2" SHALL NOT BE CUT.
2. ALL TREES TO BE SAVED AND PROTECTED, UNLESS OTHERWISE NOTED ON PLANS, SEE IRRIGATION PLANS FOR UTILITY ROUTING
3. REFER TO SHEET G0.03, TREE AND PLANT PROTECTION PLAN, FOR HUCKLEBERRY PROTECTION REQUIREMENTS.

1 ENLARGEMENT D - CORP YARD Copy 3
1" = 10'-0"

N

0 5' 10' 20' 30'
1" = 10'

Autodesk Docs://2422700 - Caswell Memorial State Park/CASWELL_LA.rvt

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LATAS
Signature
2/28/2026
Renewal Date
10/1/2026
Date
STATE OF CALIFORNIA

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION

CERTIFICATION Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND ECREATION, NORTHERN SERVICE CENTER

DESIGNED	CF, TF
DRAWN	CF, TF
CHECKED	DG
DATE	01/30/26

REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

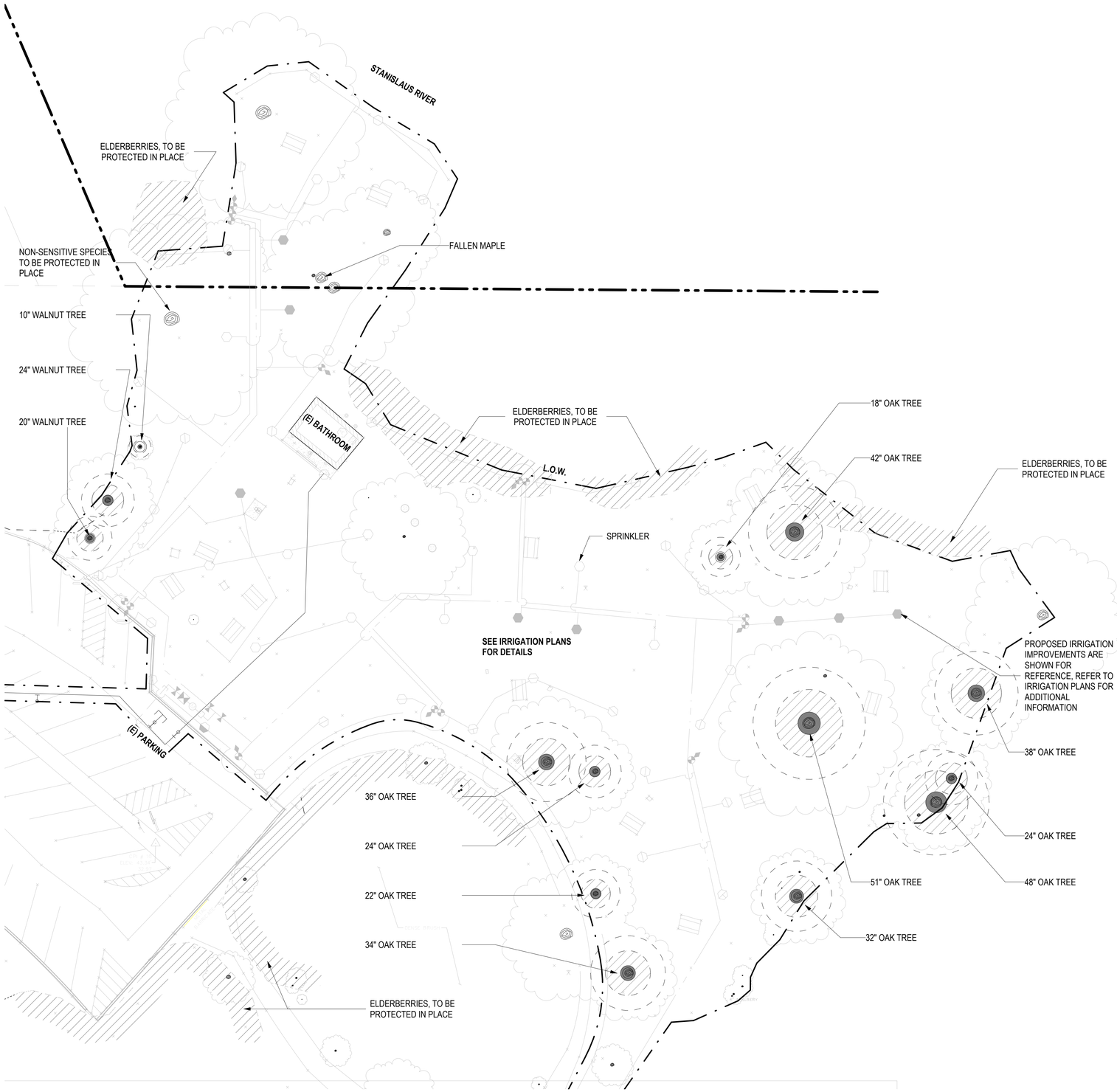
TREE PROTECTION AND REMOVAL PLANS - CORP YARD

2422700

SHEET NO.
G0.05
5 OF 56

Project Milestone: CONSTRUCTION DOCUMENTS

V2

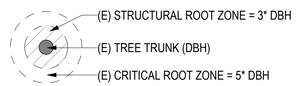


1 SITE PLAN ENLARGEMENT - BIG MEADOWS PICNIC AREA
1" = 20'-0"

N

0 10' 20' 40' 60'
1" = 20'

EXISTING SENSITIVE TREE SPECIES TO BE PROTECTED IN PLACE



NOTE:
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2/28/2028
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

TREE PROTECTION AND REMOVAL PLANS - BIG MEADOWS PICNIC AREA

2422700

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Project Milestone: CONSTRUCTION DOCUMENTS

V2

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1 SITE PLAN ENLARGEMENT - ELDERBERRY PICNIC AREA
1" = 20'-0"

N

0 10' 20' 40' 60'
1" = 20'

EXISTING SENSITIVE TREE SPECIES TO BE PROTECTED IN PLACE

(E) STRUCTURAL ROOT ZONE = 3* DBH
(E) TREE TRUNK (DBH)
(E) CRITICAL ROOT ZONE = 5* DBH

NOTE:
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FACILITIES & DEVELOPMENT DIVISION

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

TREE PROTECTION AND REMOVAL PLANS - ELDERBERRY PICNIC AREA

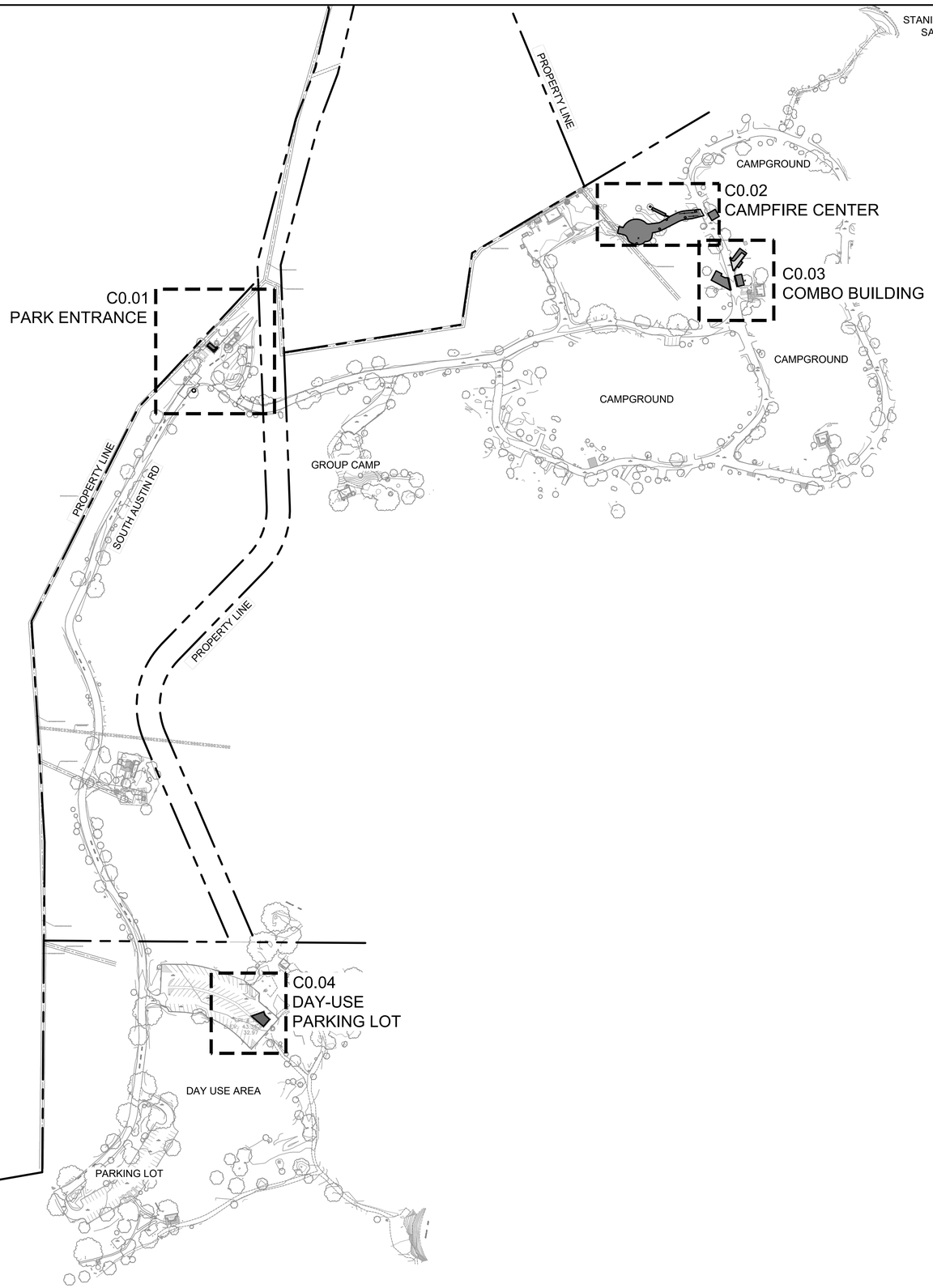
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G0.07
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Project Milestone: CONSTRUCTION DOCUMENTS

V2

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NORTH

150 0 150 300
scale 1" = 150' feet

FACILITIES &
DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS PETERSEN
PE 76759
CIVIL
STATE OF CALIFORNIA

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

OVERALL EXISTING CONDITIONS & DEMOLITION PLAN

20251635

SHEET NO.

C0.00

8 OF 56

BKF ENGINEERS
1730 N. FIRST STREET
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SAN JOSE, CA 95112
(408) 467-9100
www.bkf.com

Project Milestone: CONSTRUCTION DOCUMENTS

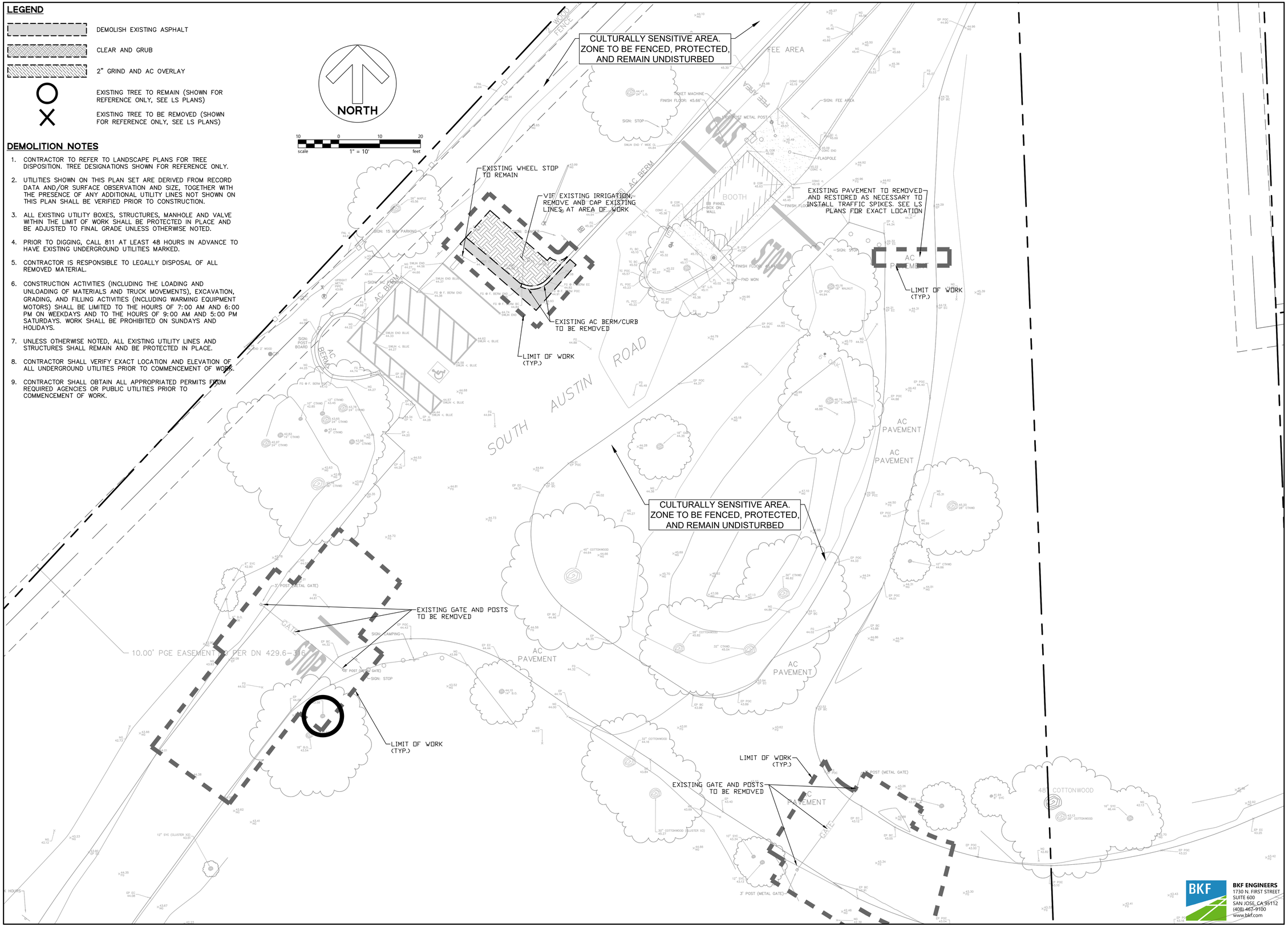
V2

LEGEND

- DEMOLISH EXISTING ASPHALT
- CLEAR AND GRUB
- 2" GRIND AND AC OVERLAY
- EXISTING TREE TO REMAIN (SHOWN FOR REFERENCE ONLY, SEE LS PLANS)
- EXISTING TREE TO BE REMOVED (SHOWN FOR REFERENCE ONLY, SEE LS PLANS)

DEMOLITION NOTES

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CALIFORNIA STATE PARKS SINCE 1864

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER DOUGLAS RETTERSON PE 76759 CIVIL STATE OF CALIFORNIA

DPR ACCESSIBILITY COMPLIANCE REVIEW

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

EXISTING CONDITIONS & DEMOLITION PLAN

20251635

SHEET NO.
C0.01
9 OF 56

BKF ENGINEERS
1730 N. FIRST STREET
SUITE 600
SAN JOSE, CA 95112
(408) 467-9100
www.bkf.com

Project Milestone: CONSTRUCTION DOCUMENTS

V2

LEGEND

DEMOLISH EXISTING ASPHALT

CLEAR AND GRUB

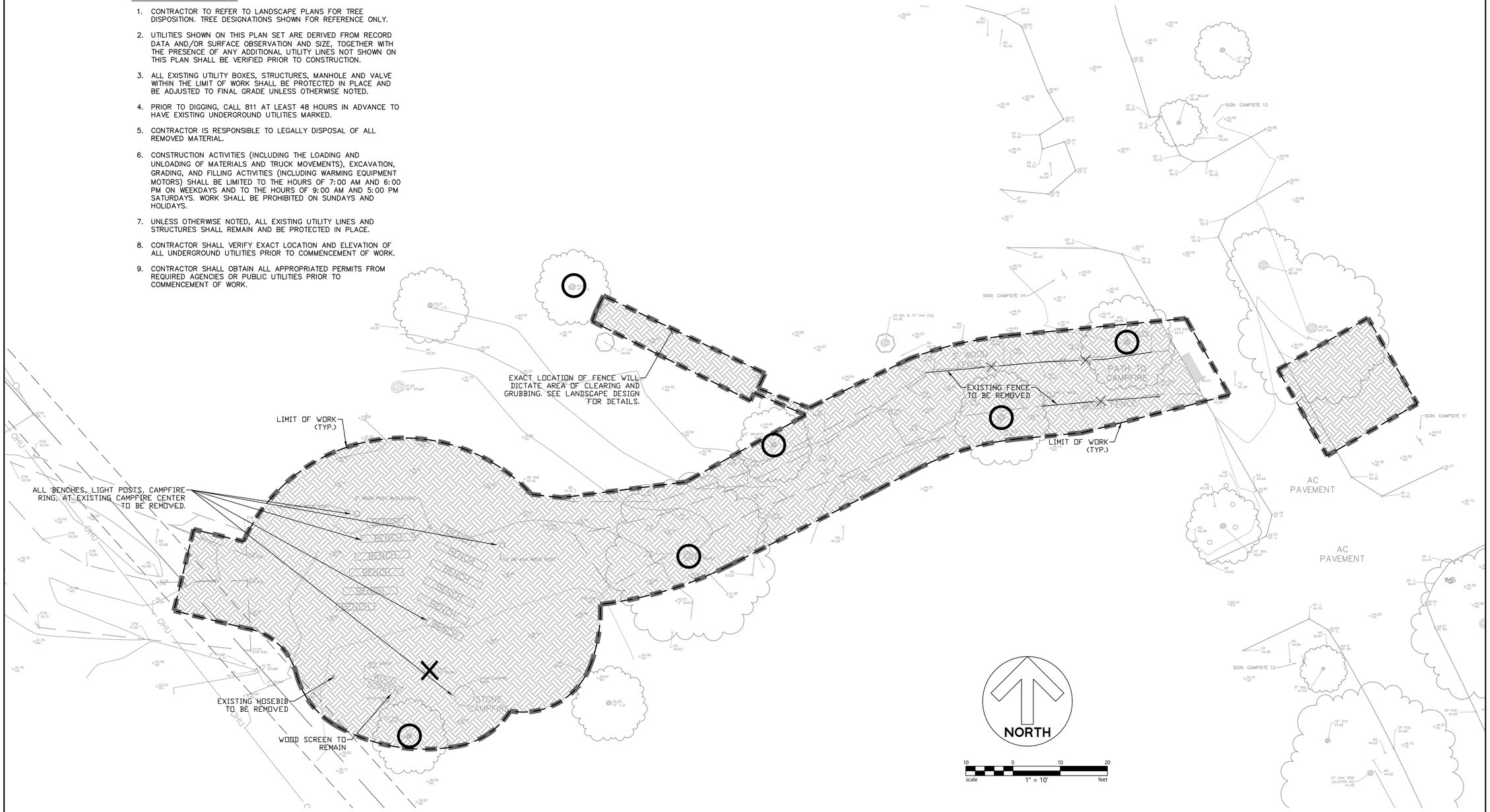
2" GRIND AND AC OVERLAY

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FACILITIES & DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS PETERSEN
PE 76759
CIVIL
STATE OF CALIFORNIA

DPR ACCESSIBILITY COMPLIANCE REVIEW

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

EXISTING CONDITIONS & DEMOLITION PLAN

20251635

SHEET NO.

C0.02

10 OF 56

BKF ENGINEERS
1730 N. FIRST STREET
SUITE 600
SAN JOSE, CA 95112
(408) 467-9100
www.bkf.com

Project Milestone: CONSTRUCTION DOCUMENTS

V2

LEGEND

DEMOLISH EXISTING ASPHALT

CLEAR AND GRUB

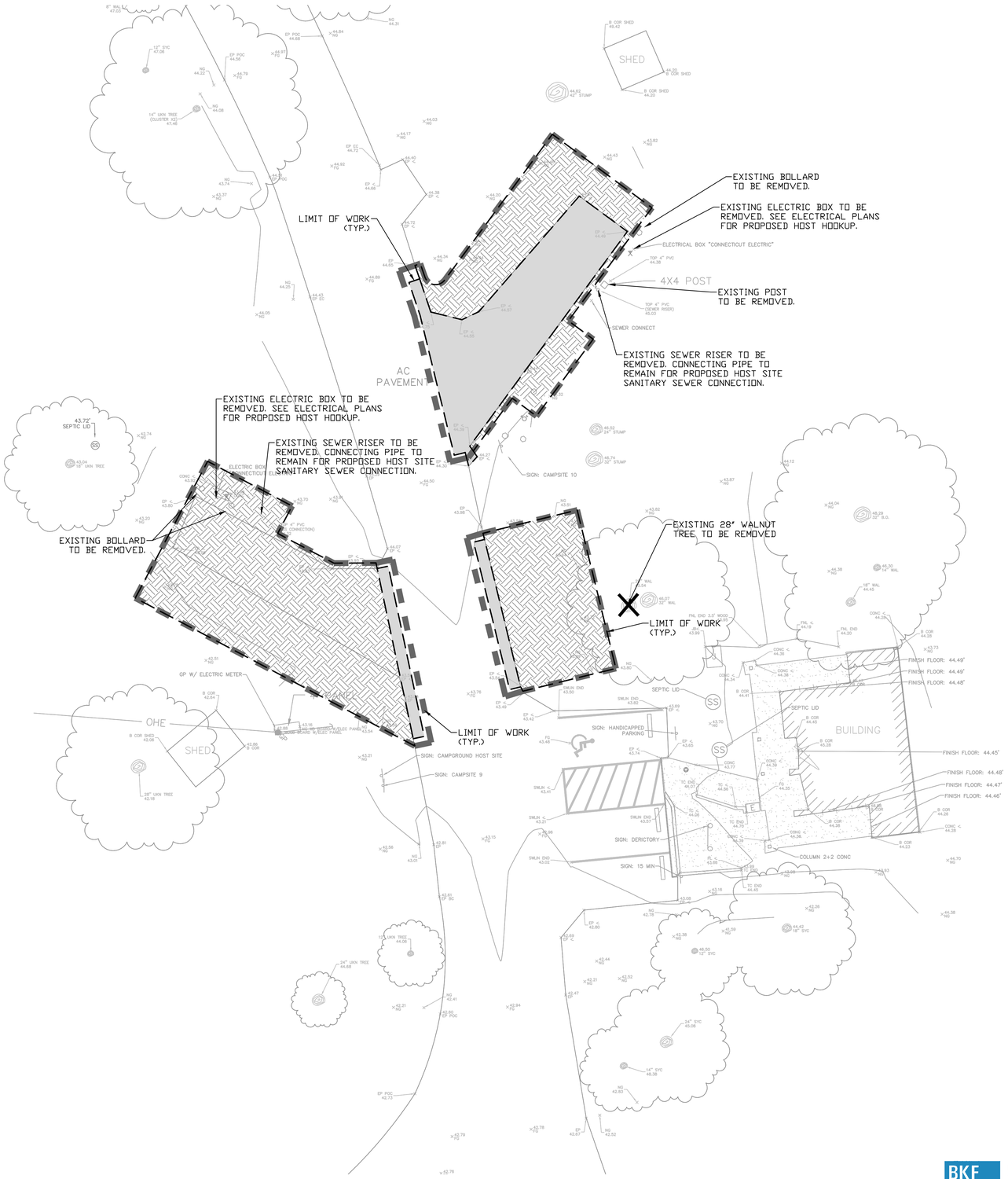
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NORTH

10 0 10 20
scale 1" = 10' feet

CALIFORNIA STATE PARKS SINCE 1864
FACILITIES & DEVELOPMENT DIVISION
MITHŪN

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS PETERSEN
PE 76759
CIVIL
STATE OF CALIFORNIA

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	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

EXISTING CONDITIONS & DEMOLITION PLAN

20251635

SHEET NO.
C0.03
11 OF 56

BKF ENGINEERS
1730 N. FIRST STREET
SUITE 600
SAN JOSE, CA 95112
(408) 467-9100
www.bkf.com

Project Milestone: CONSTRUCTION DOCUMENTS

V2

LEGEND

DEMOLISH EXISTING ASPHALT

CLEAR AND GRUB

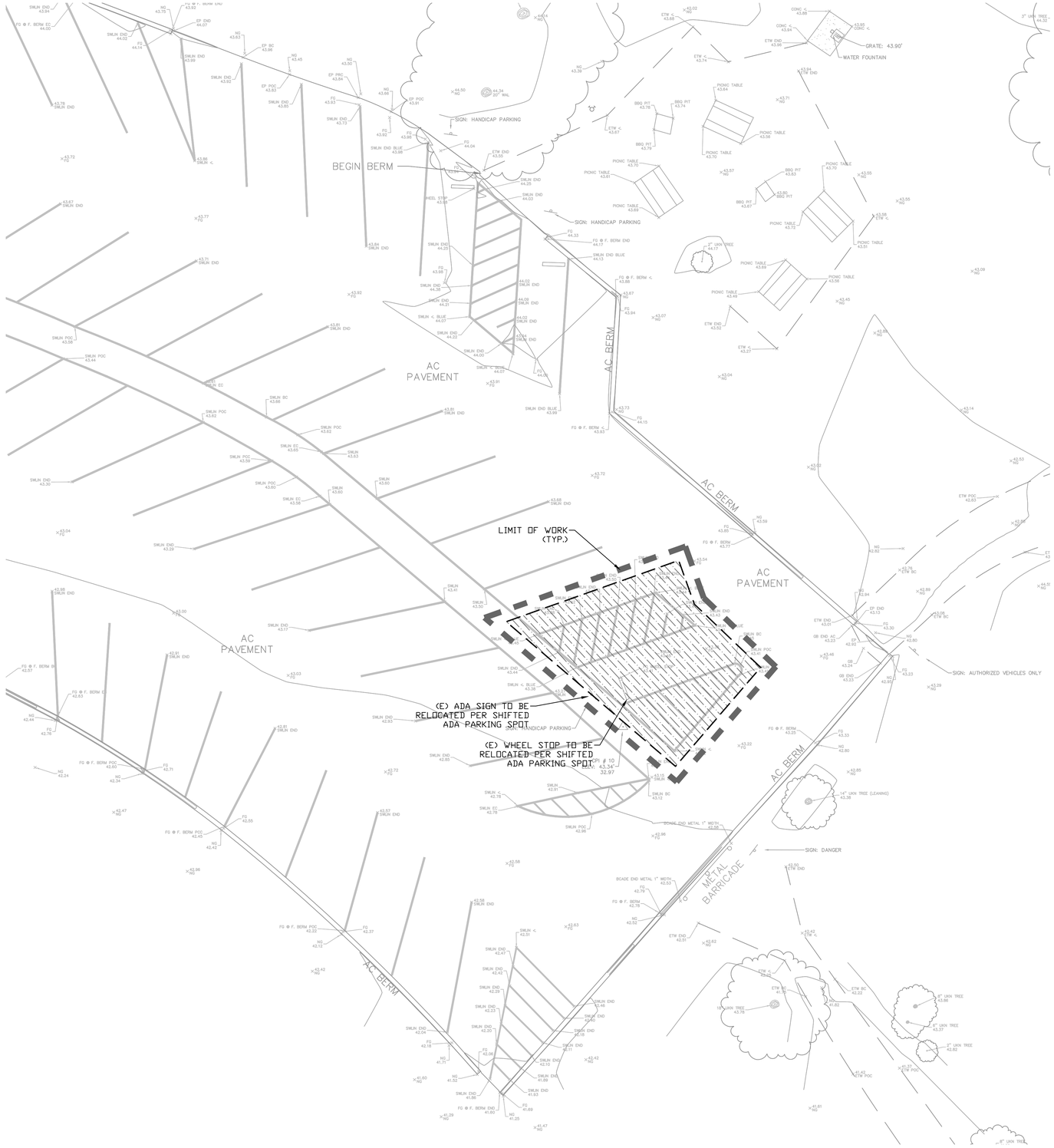
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NORTH

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scale 1" = 10' feet

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER
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CIVIL
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

EXISTING CONDITIONS & DEMOLITION PLAN

20251635

SHEET NO.
C0.04
12 OF 56

BKF ENGINEERS
1730 N. FIRST STREET
SUITE 600
SAN JOSE, CA 95112
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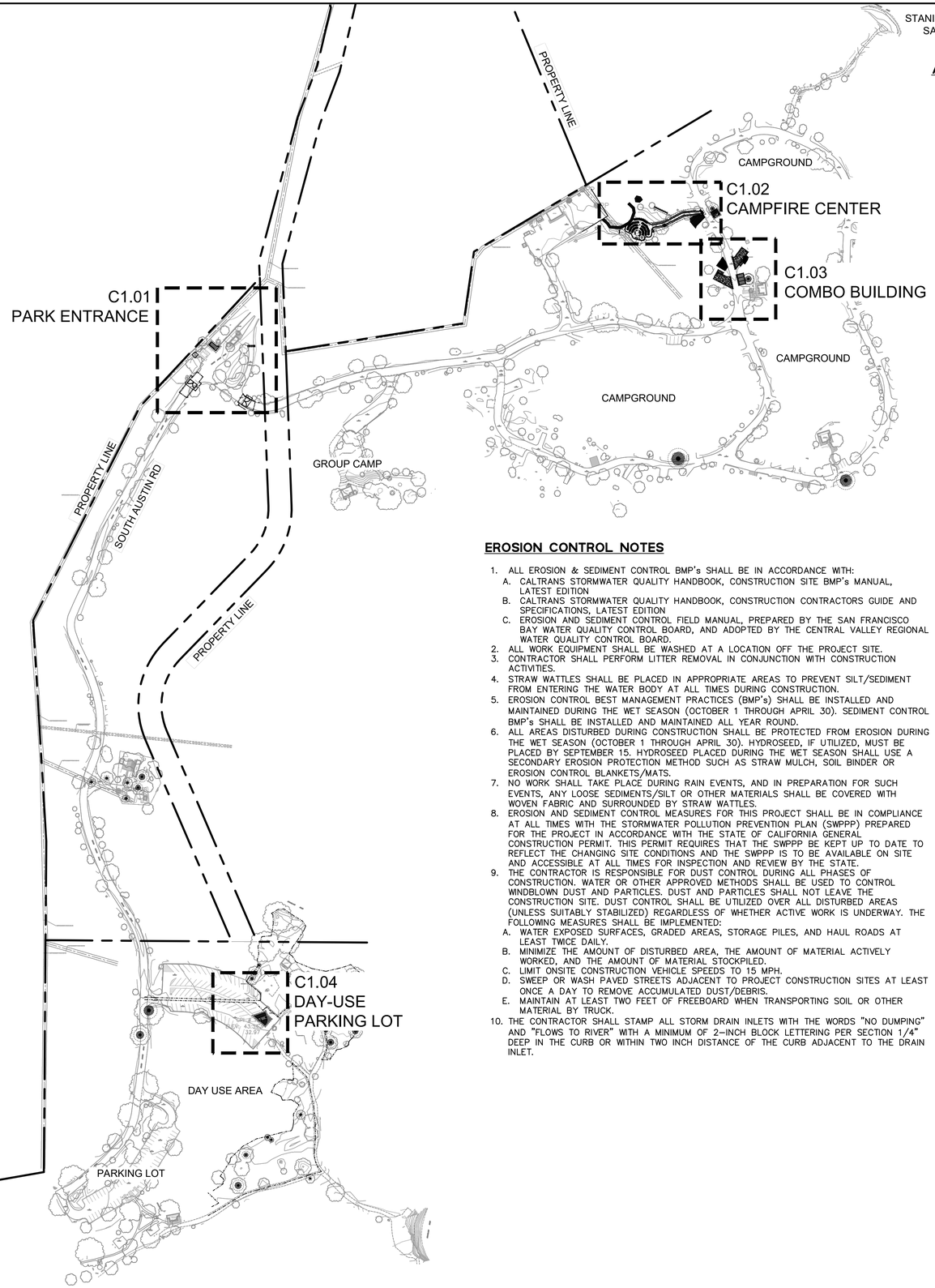
V2

GENERAL NOTES

1. CONTRACTOR SHALL, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY HIS WORK. AT THE COMPLETION OF THE WORK REMOVE ALL RUBBISH, TOOLS, AND SURPLUS MATERIALS, AND LEAVE THE JOB IN A BROOM CLEAN CONDITION.
2. SELECTIVE DEMOLITION SHALL BE DONE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. REPAIR ANY DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED. RETURN STRUCTURES AND SURFACES TO THE CONDITION PRIOR TO COMMENCEMENT OF SELECTIVE DEMOLITION. REPAIR ADJACENT CONSTRUCTION OR SURFACES, SOILED OR DAMAGED, BY SELECTIVE DEMOLITION WORK.
3. A LOCATION FOR THE CONTRACTOR'S CORPORATION YARD WILL BE DESIGNATED WITHIN THE SITE BY THE STATE. CONTRACTOR IS PERMITTED TO FENCE THIS AREA TO PROTECT OFFICES, STORED MATERIAL AND EQUIPMENT. CONTRACTOR IS RESPONSIBLE FOR SECURING HIS/HER EQUIPMENT FROM THEFT OR VANDALISM.
4. THESE DRAWINGS DO NOT CONTAIN THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. WORKER AND PEDESTRIAN PROTECTION SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL CURRENTLY APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY, INCLUDING BUT NOT LIMITED TO OSHA REQUIREMENTS. FOR INFORMATION PLEASE CONTACT THE STATE DEPARTMENT OF INDUSTRIAL RELATIONS (1-800-522-6734).
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES AND FOR THE PROTECTION AND REPAIR OF DAMAGE TO THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITIES AS TO THE LOCATION OF ALL UNDERGROUND FACILITIES CALL "UNDERGROUND SERVICE ALERT" 811, 48 HOURS BEFORE DIGGING. ALSO CALL THE NOTIFY THE ENGINEER 48 HOURS PRIOR TO DIGGING.
6. THE CONTRACTOR IS RESPONSIBLE FOR SITE CONDITIONS CONTINUALLY DURING WORKING HOURS, INCLUDING PUBLIC SAFETY, DUST CONTROL, AND EROSION AND SEDIMENT CONTROL.
7. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR THE MAINTENANCE OR REPAIR OF OFFSITE STREET SURFACES WHERE DAMAGE HAS BEEN SUSTAINED BECAUSE OF THE CONSTRUCTION TRAFFIC.
8. CONSTRUCTION NOISE SHALL BE IN COMPLIANCE WITH THE LOCAL COUNTY, CONSULT THE COUNTY FOR SPECIFIC RESTRICTIONS AND HOURS OF OPERATION.
9. THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ALL APPROVED DEVIATIONS FROM THE PLANS BEFORE AND DURING CONSTRUCTION. UPON COMPLETION OF WORK, ONE SET OF RED-LINED AS-BUILT PLANS SHALL BE SUBMITTED TO THE STATE FOR REVIEW AND ACCEPTANCE.
10. NO SOILS REPORT IS PROVIDED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING SOIL CONDITIONS PRIOR TO BIDDING.
11. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDER-GROUND UTILITIES. HOWEVER THE STATE CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
12. SIGN CALLOUTS REFERENCE THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD).
13. ALL PIPE LENGTHS ARE TO THE CENTERLINES OF STRUCTURES.
14. THE CONTRACTOR SHALL LEAVE A MINIMUM OF 12 INCHES OF MANHOLE WALL UNDISTURBED BETWEEN CORINGS FOR PIPE TIE-INS. IF THIS CANNOT BE ACCOMPLISHED, THE CONTRACTORS SHALL NOTIFY THE ENGINEER AND A LARGER MANHOLE SHALL BE USED. THE CONTRACTOR SHALL ALSO LEAVE THE MINIMUM WALL CLEARANCE FOR DROP INLETS AS REQUIRED BY THE MANUFACTURER SELECTED. SHOULD A PIPE SIZE EXCEED THE MAXIMUM ALLOWED BY THE MANUFACTURER, A LARGER INLET SHALL BE USED.
15. ALL FLATWORK AND CURBS SHALL BE CONSTRUCTED TO COMPLY WITH CURRENT TITLE 24 ADA ACCESSIBILITY LAWS. THIS REQUIRES "EXTRA EFFORT" IN ACHIEVING THE ACCURACY OF THE GRADES AND SLOPES REQUIRED (FINISHED GRADES OF CONCRETE IN TITLE 24 AREAS SHALL BE WITHIN A TOLERANCE OF ±1/8" OF PROPOSED GRADES). PRIOR TO POURING ANY CURB OR FLATWORK AROUND THE PERIMETER OF ANY BUILDING, THE CONCRETE CONTRACTOR SHALL VERIFY THAT THE GRADE OF THE FINISHED FLOOR AND THE FLATWORK/CURB FORMS ARE IN THE PROPER GRADE DIFFERENTIAL PRIOR TO POURING CONCRETE ON ANY TITLE 24 ROUTE OF ACCESS. IF ANY DIFFERENCES ARE FOUND NOTIFY THE PROJECT ENGINEER IMMEDIATELY PRIOR TO PROCEEDING.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE STATE ENGINEER 48-HOURS PRIOR TO COMMENCING WORK AND 24-HOURS PRIOR TO RESUMPTION AFTER INTERRUPTION. REQUESTS FOR INSPECTION SHALL BE GIVEN 72-HOURS IN ADVANCE, AND BE PERFORMED BY THE STATE ENGINEER OR THEIR AUTHORIZED REPRESENTATIVE.
17. IT IS POSSIBLE THAT PREVIOUS ACTIVITIES HAVE OBSCURED SURFACE EVIDENCE OF CULTURAL RESOURCES OR THAT PREVIOUSLY UNDISCOVERED CULTURAL RESOURCES ARE LOCATED ON THE SITE. IF PREVIOUSLY UNIDENTIFIED CULTURAL RESOURCES ARE ENCOUNTERED DURING EARTH-MOVING ACTIVITIES, ALL CONSTRUCTION ACTIVITY WITHIN 100 FEET OF THE RESOURCES SHALL BE HALTED IMMEDIATELY, AND THE APPROPRIATE AUTHORITIES NOTIFIED. IF SUSPECTED HUMAN REMAINS ARE ENCOUNTERED, THE COUNTY CORONER AND THE STATE SHOULD BE NOTIFIED IMMEDIATELY. IF PREHISTORIC OR HISTORIC-ERA RESOURCES ARE ENCOUNTERED, THE STATE ARCHAEOLOGIST SHOULD BE NOTIFIED IMMEDIATELY.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE STATE ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE STATE ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATION CAN BE MADE. AND COSTS INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
19. APPROVAL OF THESE PLANS DOES NOT AUTHORIZE OR APPROVE ANY OMISSION OR DEVIATION FROM APPLICABLE REGULATIONS. FINAL APPROVAL IS SUBJECT TO FIELD INSPECTION. ONE SET OF APPROVED PLANS AND SPECIFICATIONS SHALL BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES.
20. CONTRACTOR SHALL PRACTICE SAFEGUARDS AND FIRE SAFETY AND COMPLY WITH THE 2022 CFC, CHAPTER 33 & 35 and NEPA 241 DURING CONSTRUCTION AND DEMOLITION OF THIS PROJECT.

TESTING REQUIREMENTS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EARTHWORK COMPACTION TESTING. THE STATE REPRESENTATIVE SHALL BE NOTIFIED AT LEAST 72-HOURS IN ADVANCE OF ANY SCHEDULED COMPACTION TESTING BEING PERFORMED ON THE SITE. ALL COMPACTION TESTING SHALL BE PERFORMED BY A REGISTERED SOIL ENGINEER IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SHALL BE PAID FOR BY THE CONTRACTOR. RESULTS OF THESE TESTS SHALL BECOME THE PROPERTY OF THE STATE. ANY RE-TESTING DEEMED NECESSARY BY THE STATE REPRESENTATIVE SHALL BE PAID FOR BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL AGGREGATE BASE COMPACTION TESTING. THE STATE REPRESENTATIVE SHALL BE NOTIFIED AT LEAST 72-HOURS IN ADVANCE OF ANY SCHEDULED COMPACTION TESTING BEING PERFORMED ON THE SITE. ALL COMPACTION TESTING SHALL BE PERFORMED BY A REGISTERED SOIL ENGINEER IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SHALL BE PAID FOR BY THE CONTRACTOR. RESULTS OF THESE TESTS SHALL BECOME THE PROPERTY OF THE STATE. ANY RE-TESTING DEEMED NECESSARY BY THE STATE REPRESENTATIVE SHALL BE PAID FOR BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ASPHALT CONCRETE TESTING IF DEEMED NECESSARY BY THE STATE REPRESENTATIVE. THE STATE REPRESENTATIVE SHALL BE NOTIFIED AT LEAST 72-HOURS IN ADVANCE OF ANY SCHEDULED PAVING OPERATION BEING PERFORMED ON THE SITE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EMPLOYING A TESTING AGENCY TO PERFORM CONCRETE TESTING AT THEIR EXPENSE. ALL RESULTS OF THE CONCRETE TESTING SHALL BECOME PROPERTY OF THE STATE. THE CONTRACTOR SHALL SUPPLY ONE (1) SET OF FOUR (4) STANDARD CYLINDERS FOR EVERY 20 CUBIC YARDS OF CONCRETE PLACED, OR FOR EACH DIFFERENT DESIGN MIX. ONE SPECIMEN SHALL BE TESTED AT SEVEN (7) DAYS, TWO (2) SPECIMENS TESTED AT 28 DAYS, AND ONE (1) SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF REQUIRED. COMPRESSIVE STRENGTH TESTS SHALL BE PERFORMED AS PER REQUIREMENTS SET FORTH IN THE PROJECT SPECIFICATIONS. THE STATE REPRESENTATIVE SHALL BE NOTIFIED AT LEAST 72-HOURS IN ADVANCE OF ANY SCHEDULED CONCRETE POURING BEING PERFORMED ON THE SITE. PRIOR TO ANY CONCRETE PLACEMENT, FORMWORK AND REBAR PLACEMENT MUST BE INSPECTED AND APPROVED BY THE STATE REPRESENTATIVE. FAILURE TO RECEIVE APPROVAL BY THE STATE REPRESENTATIVE ON FORMWORK AND REBAR PLACEMENT PRIOR TO POURING CONCRETE MAY RESULT IN THE CONTRACTOR DEMOLISHING IMPROVEMENTS AT THEIR EXPENSE.



EROSION CONTROL NOTES

1. ALL EROSION & SEDIMENT CONTROL BMP's SHALL BE IN ACCORDANCE WITH:
   A. CALTRANS STORMWATER QUALITY HANDBOOK, CONSTRUCTION SITE BMP's MANUAL, LATEST EDITION
   B. CALTRANS STORMWATER QUALITY HANDBOOK, CONSTRUCTION CONTRACTORS GUIDE AND SPECIFICATIONS, LATEST EDITION
   C. EROSION AND SEDIMENT CONTROL FIELD MANUAL, PREPARED BY THE SAN FRANCISCO BAY WATER QUALITY CONTROL BOARD, AND ADOPTED BY THE CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD.
2. ALL WORK EQUIPMENT SHALL BE WASHED AT A LOCATION OFF THE PROJECT SITE.
3. CONTRACTOR SHALL PERFORM LITTER REMOVAL IN CONJUNCTION WITH CONSTRUCTION ACTIVITIES.
4. STRAW WATTLES SHALL BE PLACED IN APPROPRIATE AREAS TO PREVENT SILT/SEDIMENT FROM ENTERING THE WATER BODY AT ALL TIMES DURING CONSTRUCTION.
5. EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP's) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). SEDIMENT CONTROL BMP's SHALL BE INSTALLED AND MAINTAINED ALL YEAR ROUND.
6. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION PROTECTION METHOD SUCH AS STRAW MULCH, SOIL BINDER OR EROSION CONTROL BLANKETS/MATS.
7. NO WORK SHALL TAKE PLACE DURING RAIN EVENTS, AND IN PREPARATION FOR SUCH EVENTS, ANY LOOSE SEDIMENTS/SILT OR OTHER MATERIALS SHALL BE COVERED WITH WOVEN FABRIC AND SURROUNDED BY STRAW WATTLES.
8. EROSION AND SEDIMENT CONTROL MEASURES FOR THIS PROJECT SHALL BE IN COMPLIANCE AT ALL TIMES WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH THE STATE OF CALIFORNIA GENERAL CONSTRUCTION PERMIT. THIS PERMIT REQUIRES THAT THE SWPPP BE KEPT UP TO DATE TO REFLECT THE CHANGING SITE CONDITIONS AND THE SWPPP IS TO BE AVAILABLE ON SITE AND ACCESSIBLE AT ALL TIMES FOR INSPECTION AND REVIEW BY THE STATE.
9. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL DURING ALL PHASES OF CONSTRUCTION. WATER OR OTHER APPROVED METHODS SHALL BE USED TO CONTROL WINDBLOWN DUST AND PARTICLES. DUST AND PARTICLES SHALL NOT LEAVE THE CONSTRUCTION SITE. DUST CONTROL SHALL BE UTILIZED OVER ALL DISTURBED AREAS (UNLESS SUITABLY STABILIZED) REGARDLESS OF WHETHER ACTIVE WORK IS UNDERWAY. THE FOLLOWING MEASURES SHALL BE IMPLEMENTED:
   A. WATER EXPOSED SURFACES, GRADED AREAS, STORAGE PILES, AND HAUL ROADS AT LEAST TWICE DAILY.
   B. MINIMIZE THE AMOUNT OF DISTURBED AREA, THE AMOUNT OF MATERIAL ACTIVELY WORKED, AND THE AMOUNT OF MATERIAL STOCKPILED.
   C. LIMIT ONSITE CONSTRUCTION VEHICLE SPEEDS TO 15 MPH.
   D. SWEEP OR WASH PAVED STREETS ADJACENT TO PROJECT CONSTRUCTION SITES AT LEAST ONCE A DAY TO REMOVE ACCUMULATED DUST/DEBRIS.
   E. MAINTAIN AT LEAST TWO FEET OF FREEBOARD WHEN TRANSPORTING SOIL OR OTHER MATERIAL BY TRUCK.
10. THE CONTRACTOR SHALL STAMP ALL STORM DRAIN INLETS WITH THE WORDS "NO DUMPING" AND "FLOWS TO RIVER" WITH A MINIMUM OF 2-INCH BLOCK LETTERING PER SECTION 1/4" DEEP IN THE CURB OR WITHIN TWO INCH DISTANCE OF THE CURB ADJACENT TO THE DRAIN INLET.

ACCESSIBILITY NOTES

1. ALL FLATWORK AND CURBS SHALL BE CONSTRUCTED TO COMPLY WITH CURRENT TITLE 24 ADA ACCESSIBILITY LAWS. THIS REQUIRES "EXTRA EFFORT" IN ACHIEVING THE ACCURACY OF THE GRADES AND SLOPES REQUIRED (FINISHED GRADES OF CONCRETE IN TITLE 24 AREAS SHALL BE WITHIN A TOLERANCE OF ±1/8" OF PROPOSED GRADES). PRIOR TO POURING ANY CURB OR FLATWORK AROUND THE PERIMETER OF ANY BUILDING, THE CONCRETE CONTRACTOR SHALL VERIFY THAT THE GRADE OF THE FINISHED FLOOR AND THE FLATWORK/CURB FORMS ARE IN THE PROPER GRADE DIFFERENTIAL PRIOR TO POURING CONCRETE ON ANY TITLE 24 ROUTE OF ACCESS. IF ANY DIFFERENCES ARE FOUND, NOTIFY THE PROJECT ENGINEER IMMEDIATELY PRIOR TO PROCEEDING.
2. PARKING
   A. SURFACE SLOPES FOR PARKING SPACES FOR PERSONS WITH PHYSICAL DISABILITIES SHALL NOT EXCEED 2% IN ANY DIRECTION.
3. CURB RAMPS
   A. CURB RAMPS SHALL BE A MINIMUM OF 4 FEET IN WIDTH AND SHALL LIE GENERALLY IN A SINGLE SLOPED PLANE WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE.
   B. BUILT-UP CURB RAMPS, IF SHOWN, SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES.
   C. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN MARKINGS EXCLUDING ANY FLARED SIDES
   D. THE SLOPE OF CURB RAMPS SHALL NOT EXCEED 8.33% ON THE RAMP SURFACE, OR 10% ON THE FLARED SIDES.
   E. A LEVEL LANDING 4 FEET DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE. THE SLOPE OF THE FLARED SIDES OF THE CURB RAMP SHALL NOT EXCEED 8.3%
   F. THE LOWER END OF EACH CURB RAMP SHALL NOT HAVE A LIP AND BE CONSTRUCTED WITH A FLUSH TRANSITION
4. WALKS AND SIDEWALKS
   A. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/4 INCH OR UP TO A 1/2 INCH IF BEVELED, AND SHALL BE A MINIMUM OF 4 FEET IN WIDTH.
   B. SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT
   C. WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" IN THE DIRECTION OF TRAFFIC FLOW. THE LONG DIMENSION OF GRATING OPENINGS SHALL BE PERPENDICULAR TO THE PEDESTRIAN ROUTE.
   D. ALL WALKS SHALL HAVE LESS THAN 2% CROSS SLOPE AND LESS THAN 5% RUNNING SLOPE WHEN PART OF AN ACCESSIBLE ROUTE. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL IT SHALL COMPLY WITH THE 2019 CBC, CHAPTER 11B PROVISIONS FOR PEDESTRIAN RAMPS.
   E. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL BE AVOIDED. WHEN CHANGES IN LEVEL DO OCCUR, THEY SHALL NOT EXCEED 1/2 INCH AND BEVELED WITH A SLOPE OF NO GREATER THAN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCHES MAY BE VERTICAL. WHEN CHANGES IN LEVEL GREATER THAN 1/2 INCH ARE NECESSARY, COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS.
   F. WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60 INCHES AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK, AND NOT LESS THAN 48 INCHES WIDE BY 44 INCHES DEEP THAT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK. SUCH WALKS SHALL EXTEND 24 INCHES TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK
   G. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS OF AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 400 FEET.
   H. IF A WALK CROSSES OR ADJOINS A VEHICULAR TRAVEL WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS, THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING WHICH IS 36 INCHES WIDE, CONSISTING OF TRUNCATED DOMES.

NORTH

150 0 150 300
scale 1" = 150' feet

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FACILITIES & DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS PETERSEN
PE 76759
CIVIL
STATE OF CALIFORNIA

DPR ACCESSIBILITY COMPLIANCE REVIEW
CERTIFICATION#
REVIEWED BY
CASp# Date:
ACCESSIBILITY COMPLIANCE AND SFM SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS & RECREATION, NORTHERN SERVICE CENTER

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DRAWN	SH/MC
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DATE	01/30/26

REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

OVERALL HORIZONTAL CONTROL & GRADING PLAN

20251635

SHEET NO.
C1.00
13 OF 56

Project Milestone: CONSTRUCTION DOCUMENTS

V2

LEGEND

- VEHICULAR CONCRETE PAVING (6" PCC / 8" CL II AB, PER DETAIL 6/C3.01)
- VEHICULAR ASPHALT CONCRETE PAVING (4" AC / 7" CL II AB, PER DETAIL 7/C3.01)
- PEDESTRIAN AGGREGATE BASE PAVING (SEE LANDSCAPE DESIGN)
- TRUNCATED DOMES (PER DETAIL 5/C3.00)
- ASPHALT GRIND & OVERLAY (FOR RESTRIPING PURPOSES)
- STONE / COBBLE PAVING (SEE LANDSCAPE DESIGN)
- ELDERBERRY TREE LOCATIONS (PROTECT IN PLACE)
- 70.50 PROPOSED SPOT GRADE
- (70.50±) EXISTING SPOT GRADE
- 1.8% DIRECTION OF FLOW

SEE C1.0 FOR ADDITIONAL NOTES AND REQUIREMENTS

NORTH

scale 1" = 10' feet (10 0 10 20)

CULTURALLY SENSITIVE AREA. ZONE TO BE FENCED, PROTECTED, AND REMAIN UNDISTURBED

PROPERTY LINE (TYP.)

LIMIT OF WORK (TYP.)

PV44.63

NEW WHEEL STOP (TYP.)

9.00'

1.5'

7.0'

19.00'

(PV44.5±)

(TC45.1±) (PV44.8±)

NEW 4" WHITE STRIPE (TYP.)

SAWCUT LINE (TYP.)

(PV44.9±)

NEW AC BERM/CURB R=4.00'

EXISTING AC BERM/CURB TO BE REMOVED

NEW TRAFFIC CONTROL SPIKES, SEE DETAIL 8/C3.01

LIMIT OF WORK (TYP.)

AC PAVEMENT

SOUTH AUSTIN ROAD

FEE AREA

BOOTH

STOP

AC BERM

CULTURALLY SENSITIVE AREA. ZONE TO BE FENCED, PROTECTED, AND REMAIN UNDISTURBED

LIMIT OF WORK (TYP.)

NEW GATE, SEE LANDSCAPE DESIGN

10.00' PGE EASEMENT PER DN 420.0

6" WHITE STRIPE OFFSET 2' FROM GATE SWING

NEW 'STOP HERE, GATE OPENS TOWARDS VEHICLE' SIGN

LIMIT OF WORK (TYP.)

NEW GATE, SEE LANDSCAPE DESIGN

GATE

45" COTTONWOOD

NEW 'STOP HERE, GATE OPENS TOWARDS VEHICLE' SIGN

6" WHITE STRIPE OFFSET 2' FROM GATE SWING

CALIFORNIA STATE PARKS SINCE 1864

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MITHŪN

REGISTERED PROFESSIONAL ENGINEER DOUGLAS PETERSEN PE 76759 CIVIL STATE OF CALIFORNIA

DPR ACCESSIBILITY COMPLIANCE REVIEW

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REVISIONS

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

HORIZONTAL CONTROL & GRADING PLAN - PARK ENTRANCE

20251635

SHEET NO.

C1.01

14 OF 56

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Project Milestone: CONSTRUCTION DOCUMENTS

V2



LEGEND

- VEHICULAR CONCRETE PAVING (6" PCC / 8" CL II AB, PER DETAIL 6/C3.01)
- VEHICULAR ASPHALT CONCRETE PAVING (4" AC / 7" CL II AB, PER DETAIL 7/C3.01)
- PEDESTRIAN AGGREGATE BASE PAVING (SEE LANDSCAPE DESIGN)
- TRUNCATED DOMES (PER DETAIL 5/C3.00)
- ASPHALT GRIND & OVERLAY (FOR RESTRIPING PURPOSES)
- STONE / COBBLE PAVING (SEE LANDSCAPE DESIGN)
- ELDERBERRY TREE LOCATIONS (PROTECT IN PLACE)
- 70.50 PROPOSED SPOT GRADE
- (70.50±) EXISTING SPOT GRADE
- 1.8% DIRECTION OF FLOW

SEE C1.0 FOR ADDITIONAL NOTES AND REQUIREMENTS

NORTH

scale 1" = 10' (10 0 10 20 feet)

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS PETERSEN
PE 76759
CIVIL
STATE OF CALIFORNIA

DPR ACCESSIBILITY COMPLIANCE REVIEW
CERTIFICATION#
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REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

HORIZONTAL CONTROL & GRADING PLAN - CAMPFIRE CENTER

20251635

SHEET NO.
C1.02
15 OF 56

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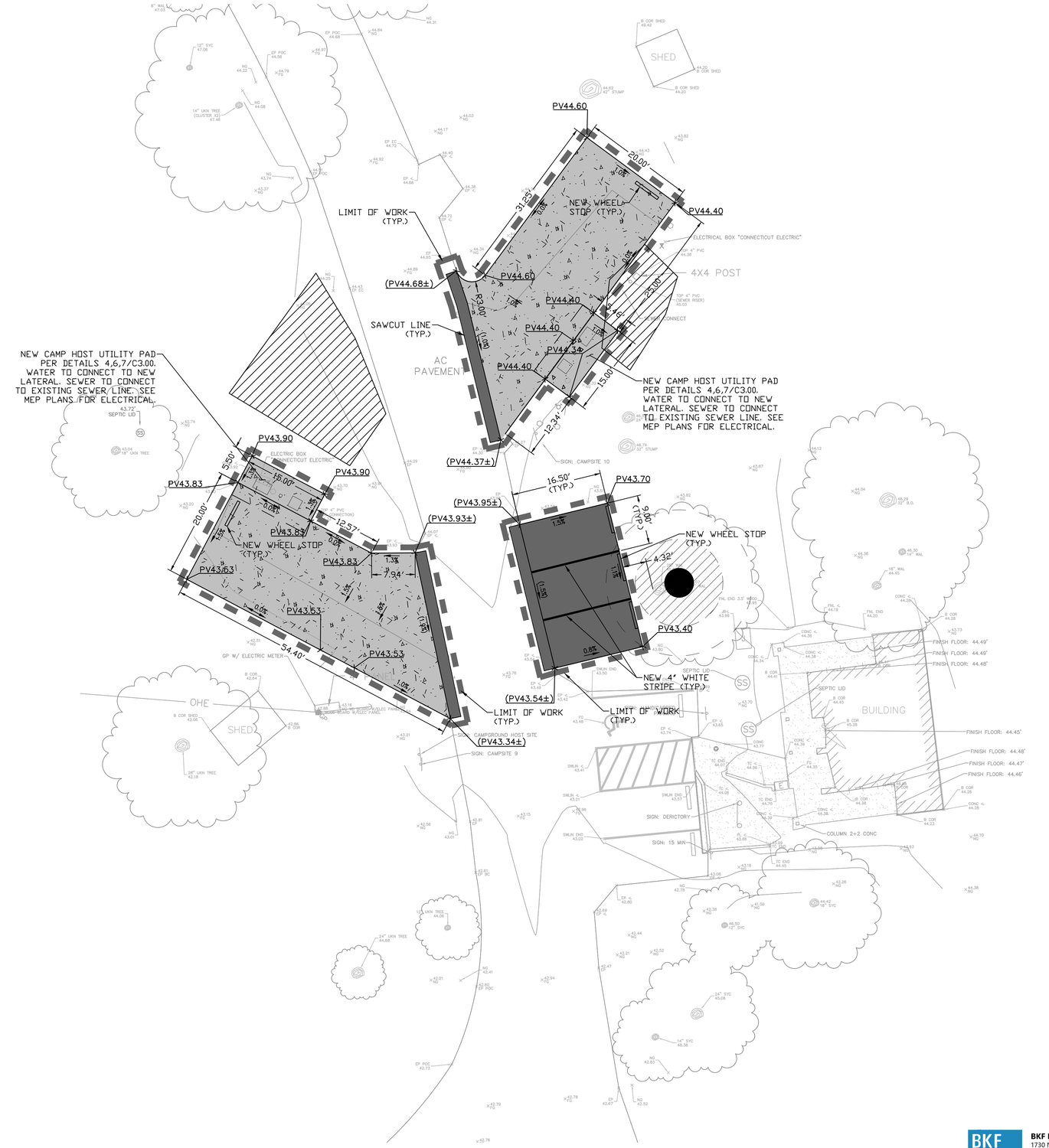
Project Milestone: CONSTRUCTION DOCUMENTS

V2

LEGEND

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SEE C1.0 FOR ADDITIONAL NOTES AND REQUIREMENTS



NORTH

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scale 1" = 10' feet

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

HORIZONTAL CONTROL & GRADING PLAN - COMBO BUILDING

20251635

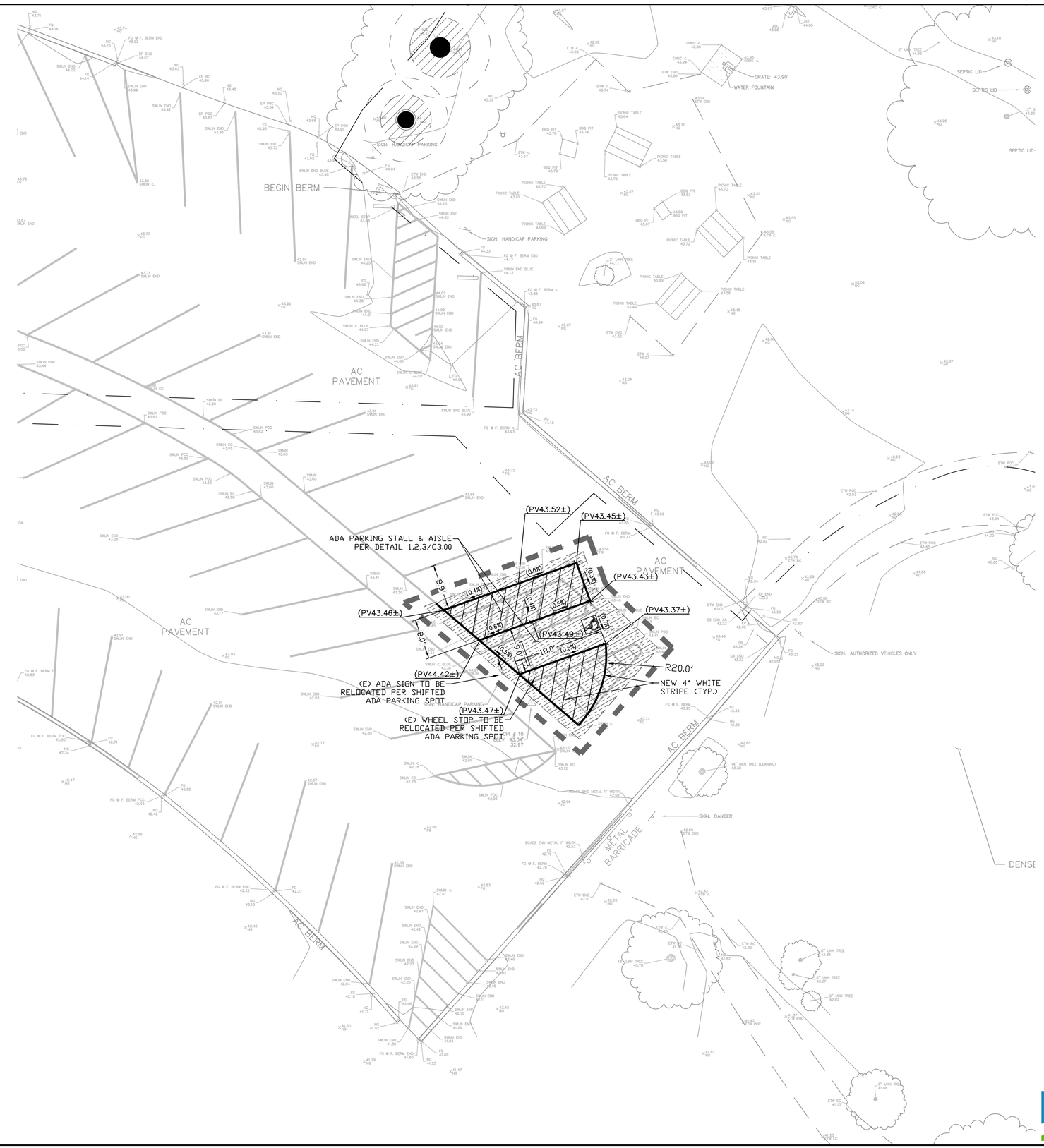
SHEET NO.
C1.03
16 OF 56

V2

LEGEND

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SEE C1.0 FOR ADDITIONAL NOTES AND REQUIREMENTS



NORTH

10 0 10 20
scale 1" = 10' feet

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Project Milestone: CONSTRUCTION DOCUMENTS

FACILITIES & DEVELOPMENT DIVISION

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STATE OF CALIFORNIA

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No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

HORIZONTAL CONTROL & GRADING PLAN - PARKING LOT

20251635

SHEET NO.
C1.04
17 OF 56

V2

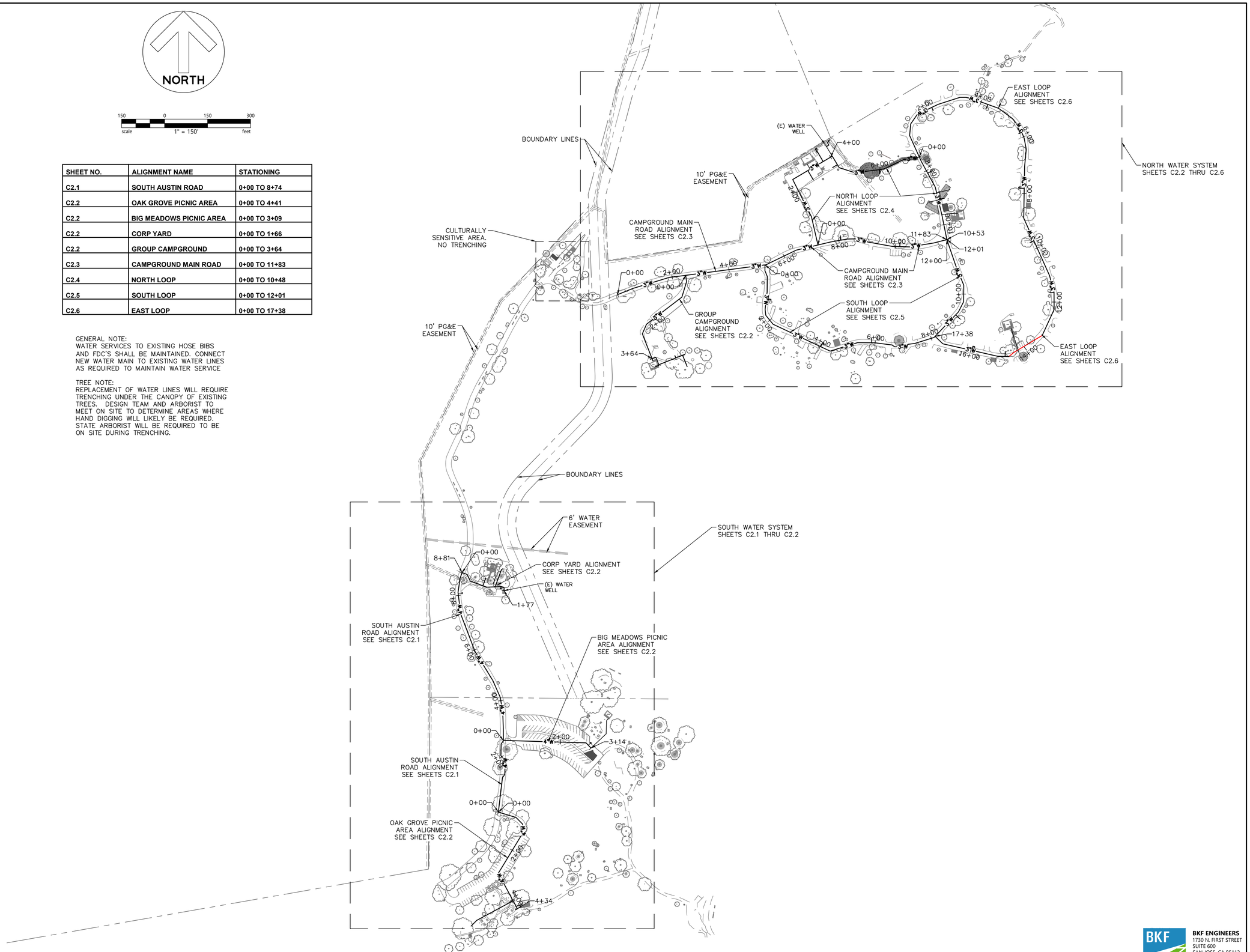
NORTH

150 0 150 300
scale 1" = 150' feet

SHEET NO.	ALIGNMENT NAME	STATIONING
C2.1	SOUTH AUSTIN ROAD	0+00 TO 8+74
C2.2	OAK GROVE PICNIC AREA	0+00 TO 4+41
C2.2	BIG MEADOWS PICNIC AREA	0+00 TO 3+09
C2.2	CORP YARD	0+00 TO 1+66
C2.2	GROUP CAMPGROUND	0+00 TO 3+64
C2.3	CAMPGROUND MAIN ROAD	0+00 TO 11+83
C2.4	NORTH LOOP	0+00 TO 10+48
C2.5	SOUTH LOOP	0+00 TO 12+01
C2.6	EAST LOOP	0+00 TO 17+38

GENERAL NOTE:
WATER SERVICES TO EXISTING HOSE BIBS AND FDC'S SHALL BE MAINTAINED. CONNECT NEW WATER MAIN TO EXISTING WATER LINES AS REQUIRED TO MAINTAIN WATER SERVICE

TREE NOTE:
REPLACEMENT OF WATER LINES WILL REQUIRE TRENCHING UNDER THE CANOPY OF EXISTING TREES. DESIGN TEAM AND ARBORIST TO MEET ON SITE TO DETERMINE AREAS WHERE HAND DIGGING WILL LIKELY BE REQUIRED. STATE ARBORIST WILL BE REQUIRED TO BE ON SITE DURING TRENCHING.



CALIFORNIA STATE PARKS SINCE 1864
FACILITIES & DEVELOPMENT DIVISION
MITHŪN

REGISTERED PROFESSIONAL ENGINEER DOUGLAS PETERSEN PE 76759 CIVIL STATE OF CALIFORNIA

DPR ACCESSIBILITY COMPLIANCE REVIEW
CERTIFICATION#
REVIEWED BY
CASp# Date:
ACCESSIBILITY COMPLIANCE AND SFM SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS & RECREATION, NORTHERN SERVICE CENTER

DESIGNED	SH/NB
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REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

OVERALL WATER UTILITY PLAN

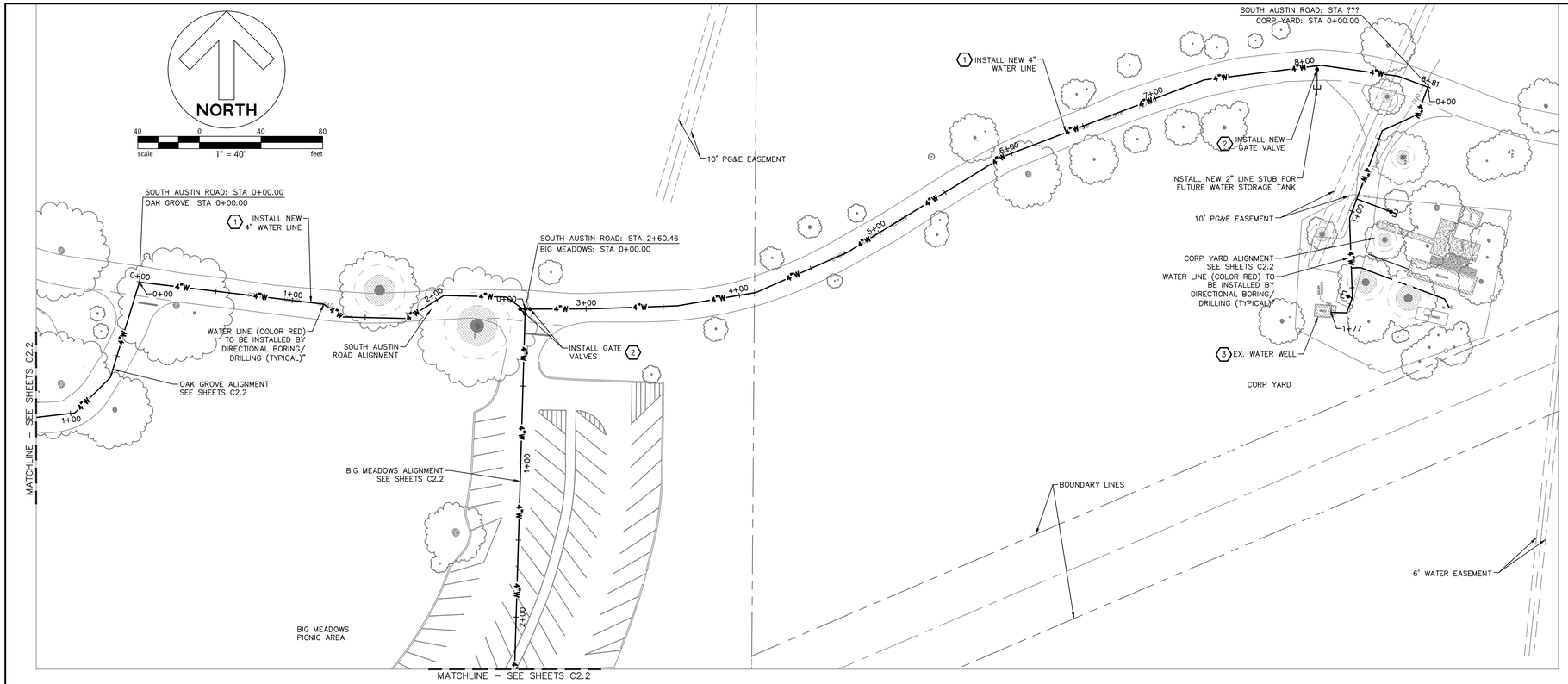
20251635

SHEET NO.
C2.00
18 OF 56

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SUITE 600
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Project Milestone: CONSTRUCTION DOCUMENTS

V2



GENERAL NOTES

1. CONTRACTOR TO LOCATE EXISTING WATER LINE AND REPLACE WATER SYSTEM IN KIND WITH PVC PIPE. IF SHALLOW COVER IS NEEDED DUE TO EXISTING TREE ROOTS, EXISTING UTILITY CROSSINGS, ETC., CONTRACTOR SHALL USE CL 54 DIP, PUSH-ON FITTINGS, THRUST BLOCKS, AND ISOLATION VALVES PER THE DIAMETER SHOWN ON THE PLANS.
2. CONTRACTOR TO RECONNECT ALL WATER SERVICES, COMFORT STATIONS, IRRIGATION SYSTEMS AND ALL APPURTENANCES CONNECTED TO THE EXISTING WATER LINE.
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CONSTRUCTION NOTES (X)

1. REPLACE (E) WATER SYSTEM WITH DIP AND FITTINGS. SEE GENERAL NOTE 1 AND 2 THIS SHEET.
2. INSTALL PUSH-ON GATE VALVE IN TRAFFIC RATED VALVE BOX (LINE SIZE).
3. CONVERT (E) WELL MOTOR TO VARIABLE FREQUENCY DRIVE. SEE ELECTRICAL SHEETS AND SPECIFICATIONS FOR DETAILS.
4. CONNECT TO IRRIGATION CONTROLLER. SEE LANDSCAPE SHEETS FOR LOCATIONS.

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

WATER UTILITY PLAN - SOUTH SYSTEM, SOUTH AUSTIN ROAD

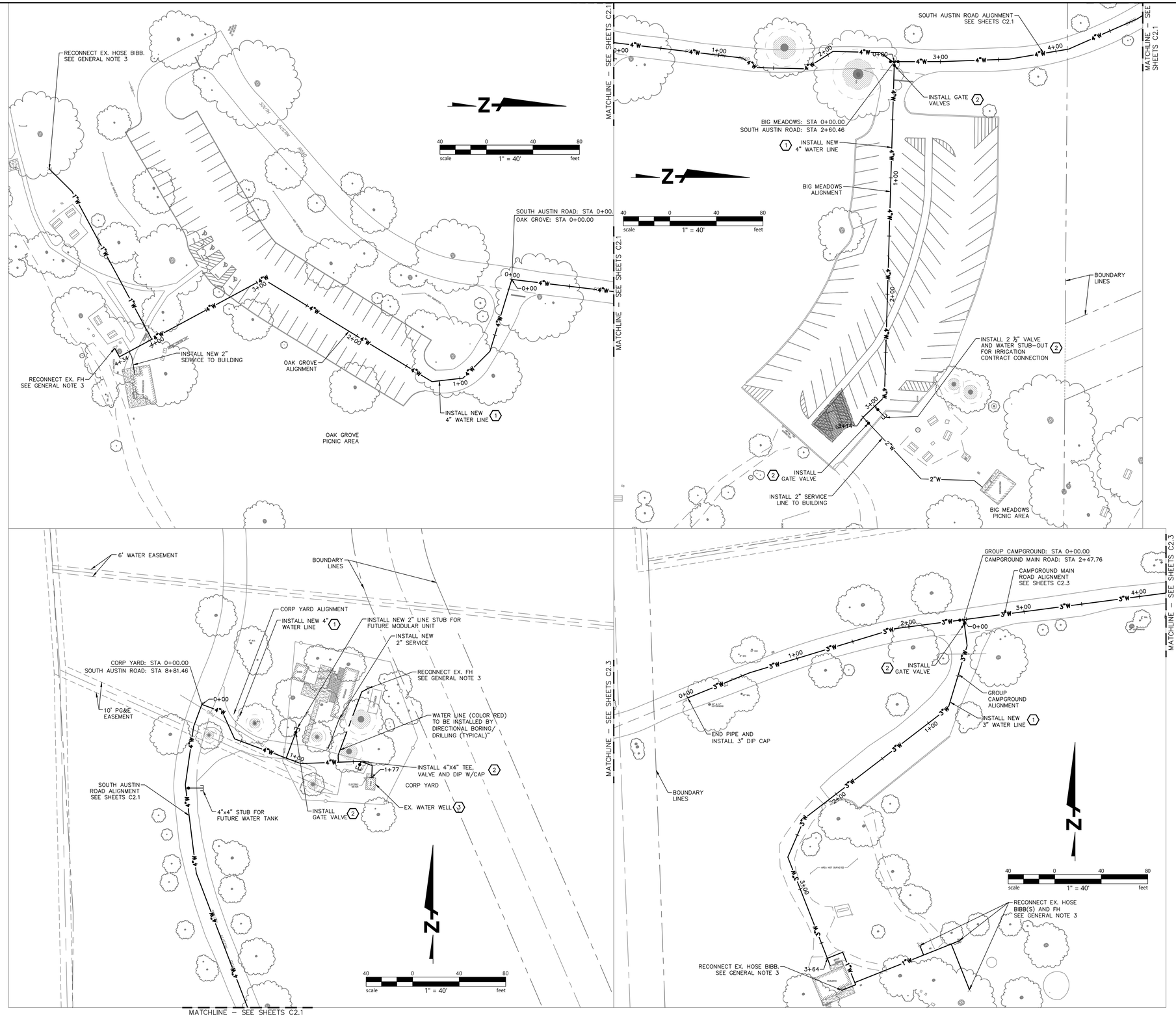
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

WATER UTILITY PLAN - VARIOUS AREAS

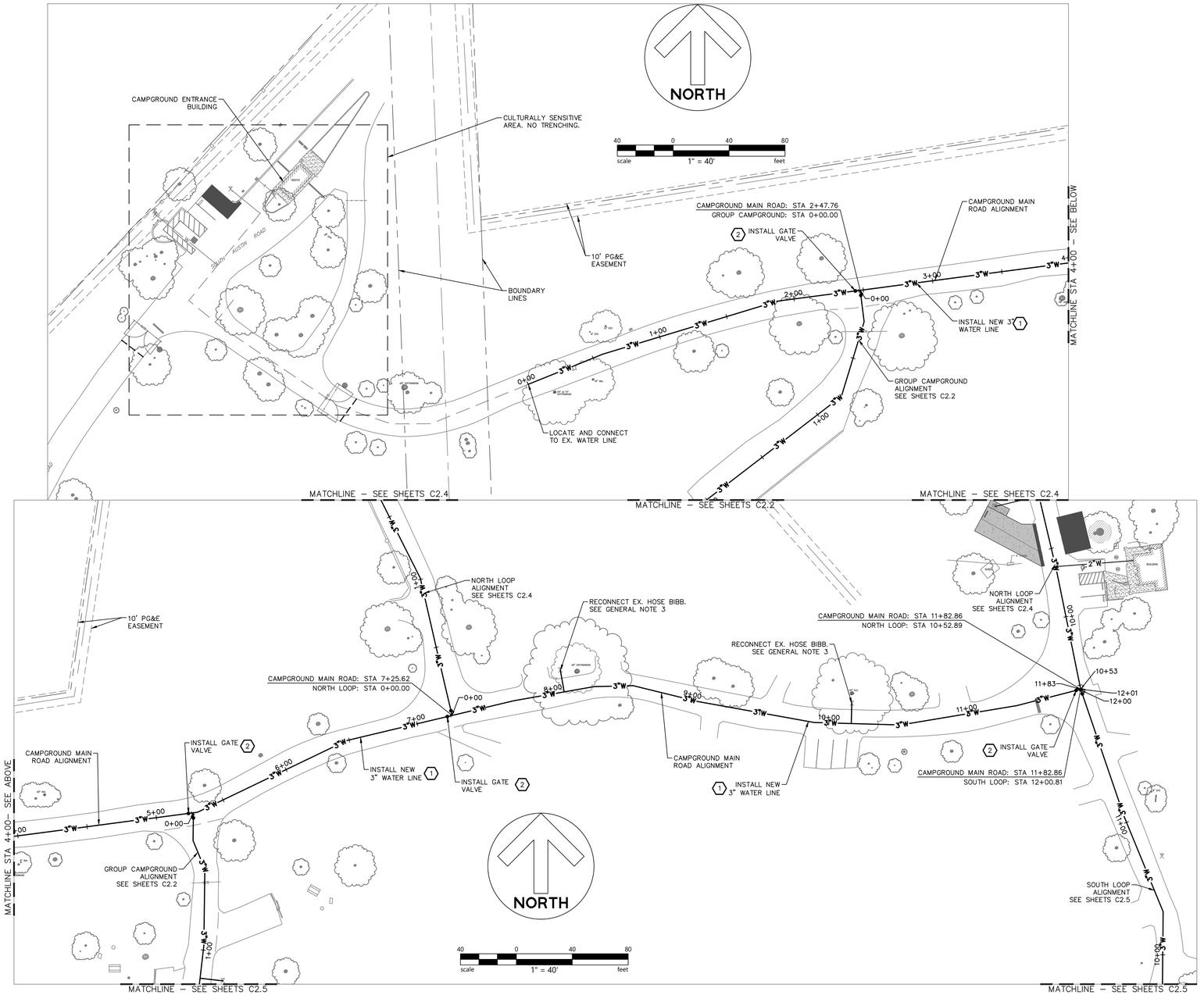
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

WATER UTILITY PLAN - NORTH SYSTEM, CAMPGROUND, MAIN ROAD

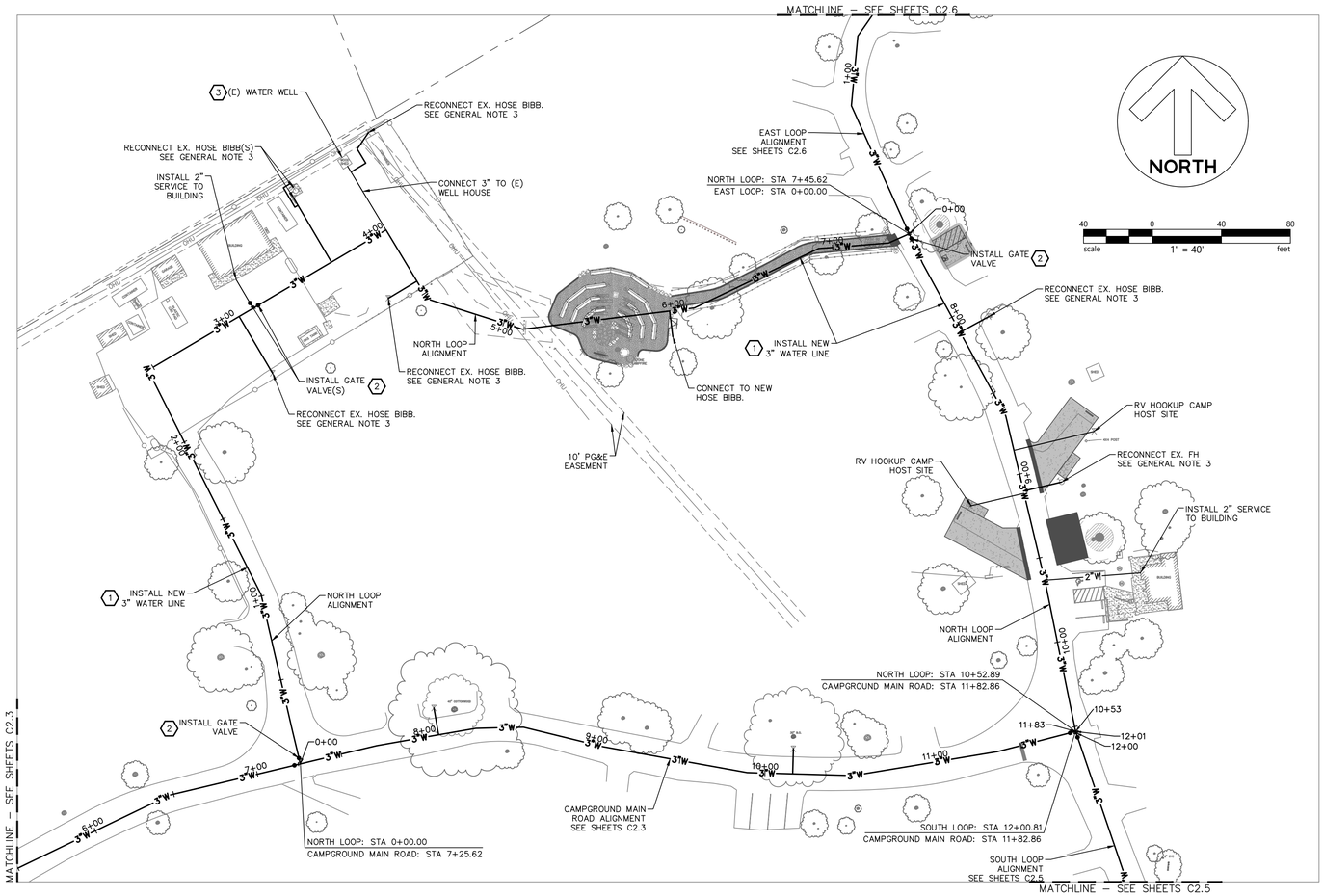
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

WATER UTILITY PLAN - NORTH SYSTEM, CAMPGROUND, NORTH LOOP

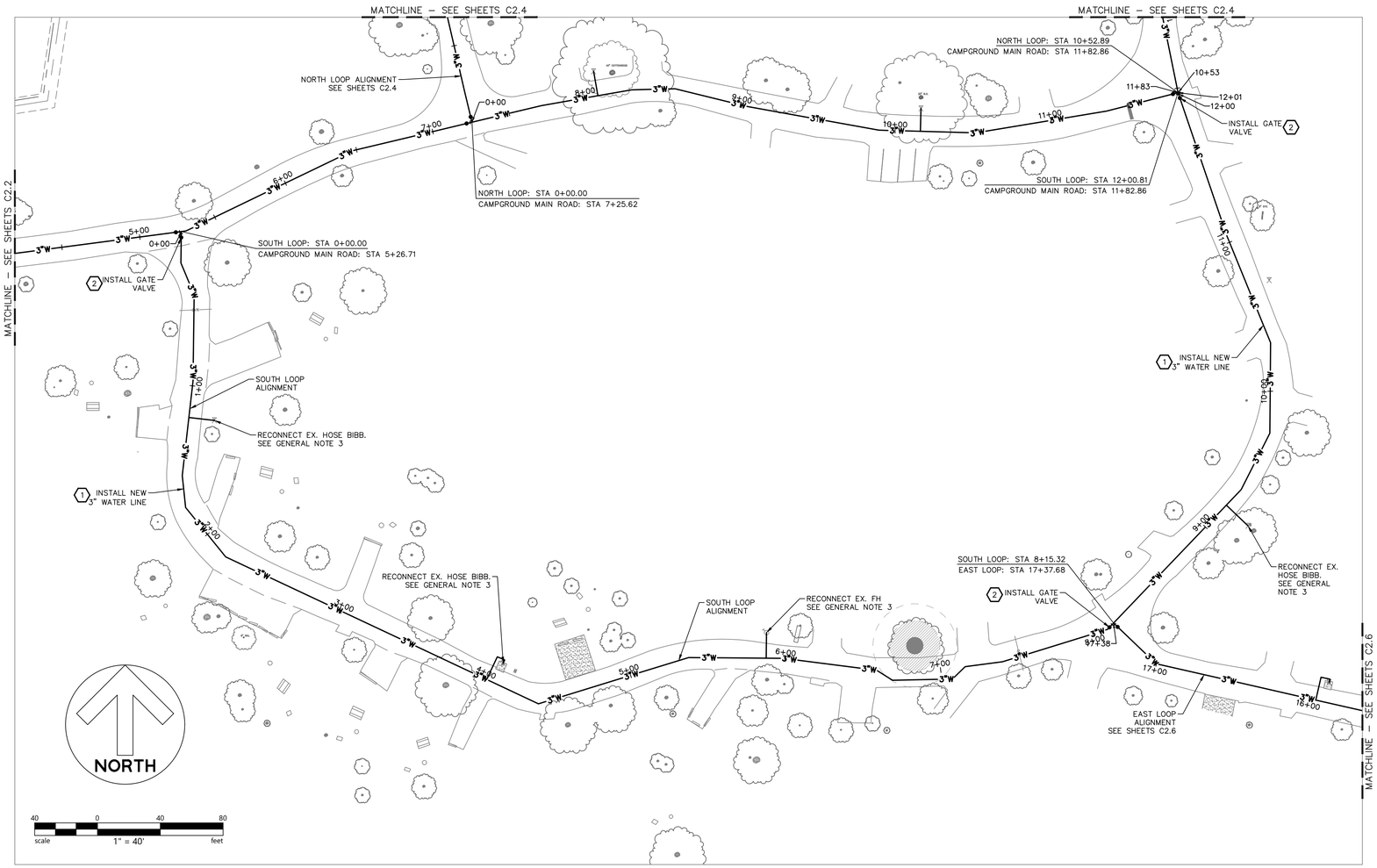
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

WATER UTILITY PLAN - NORTH SYSTEM, CAMPGROUND, SOUTH LOOP

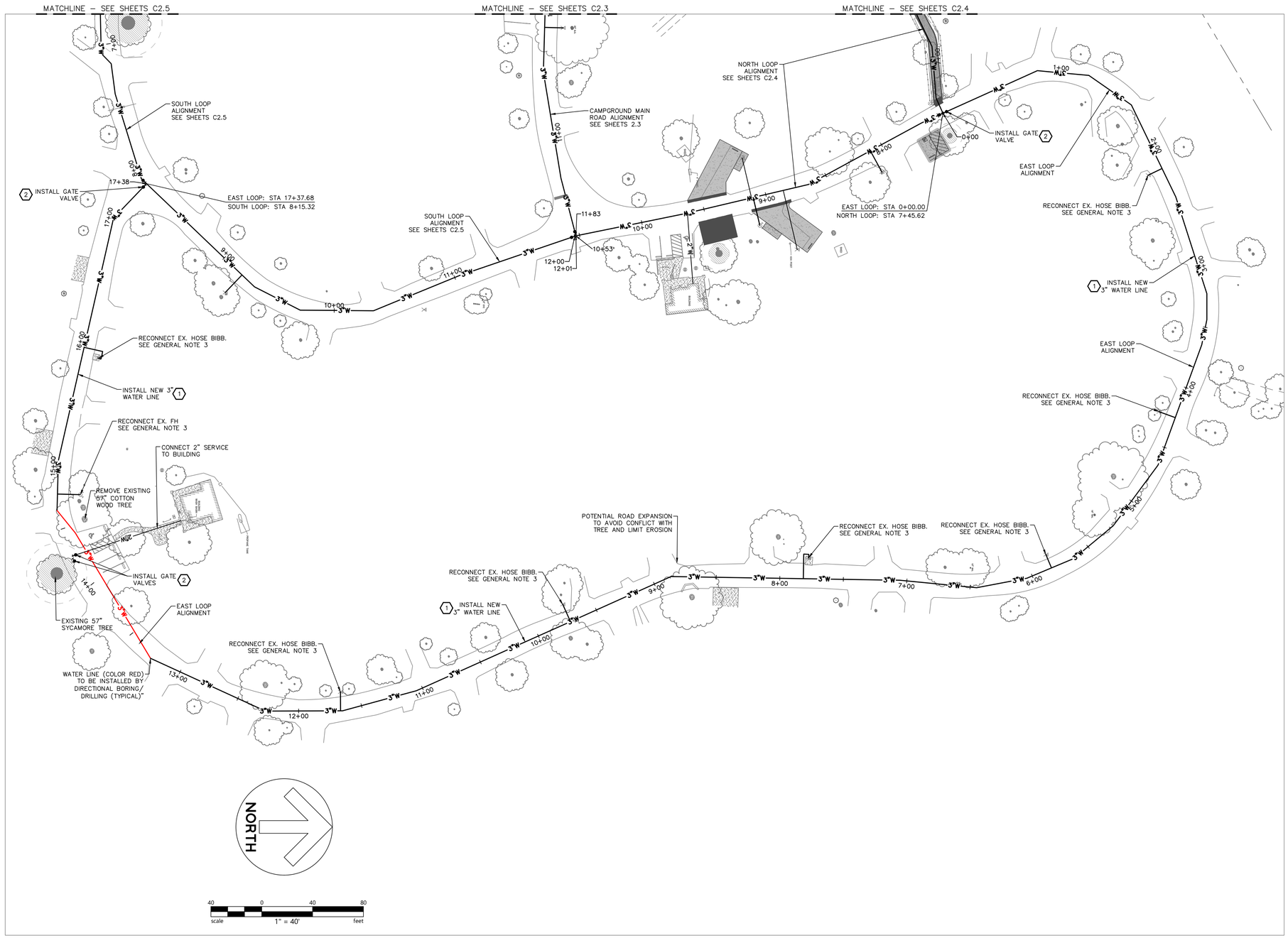
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

WATER UTILITY PLAN - NORTH SYSTEM, CAMPGROUND, EAST LOOP

20251635

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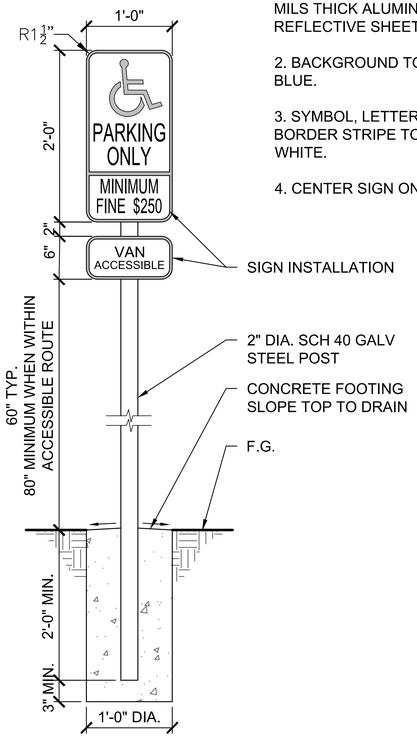
V2

NOTES:
1. SIGN PANELS TO BE 63 MILS THICK ALUMINUM REFLECTIVE SHEETING.

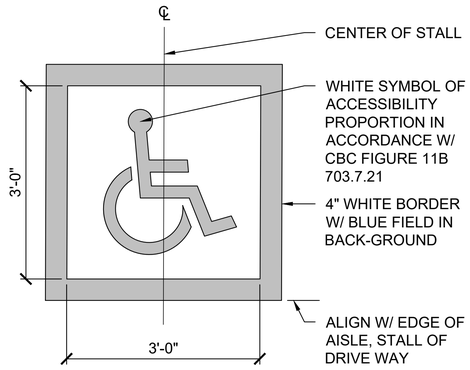
2. BACKGROUND TO BE BLUE.

3. SYMBOL, LETTERS, AND BORDER STRIPE TO BE WHITE.

4. CENTER SIGN ON STALL.



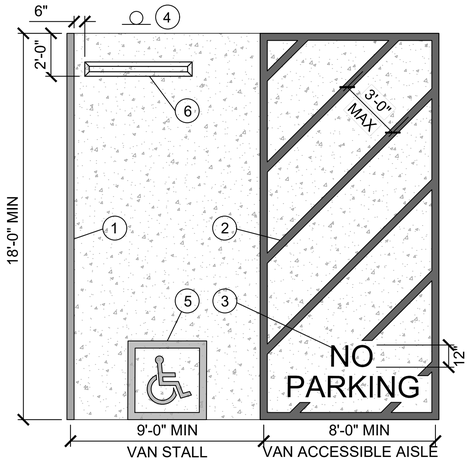
1 — ADA PARKING SIGN
NTS



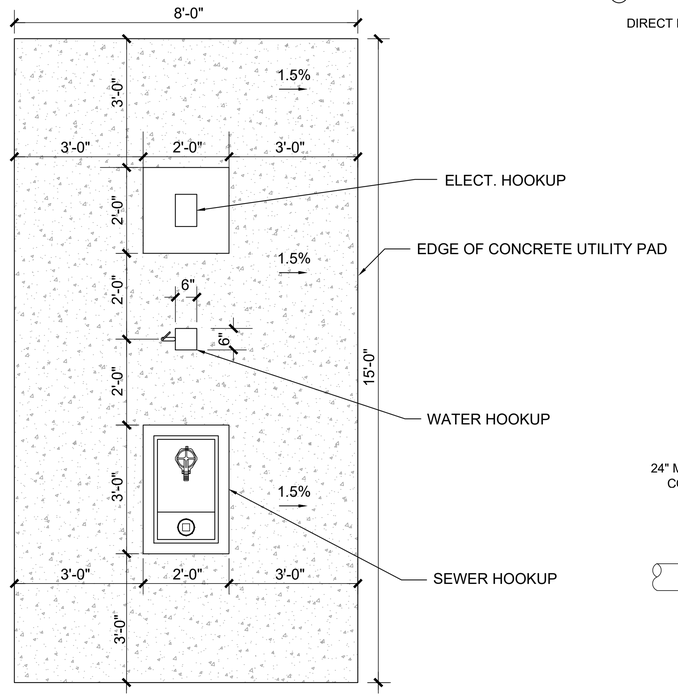
3 — ADA ISA SYMBOL
NTS

1. 4" PAINTED BLUE LINE, TYP.
2. 4" PAINTED BLUE LINES ALONG BORDER AND AT 45 DEGREES, 36" O.C. MAX.
3. "NO PARKING" PAINTED IN 12" HIGH WHITE LETTERS
4. ACCESSIBLE PARKING SIGN LOCATION PER PLAN
5. ACCESSIBLE SYMBOL
6. WHEEL STOP

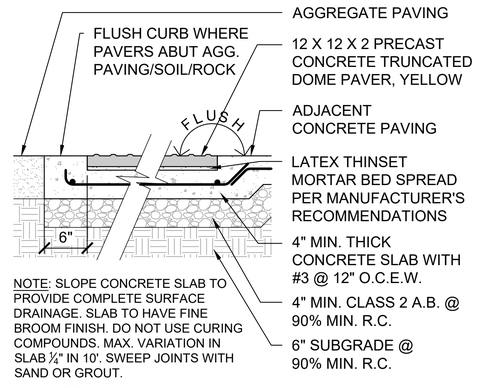
NOTE:
ACCESSIBLE PARKING STALLS AND AISLES TO HAVE 1.5% MAX SLOPE IN ANY DIRECTION.



2 — ADA PARKING STALL & AISLE
NTS

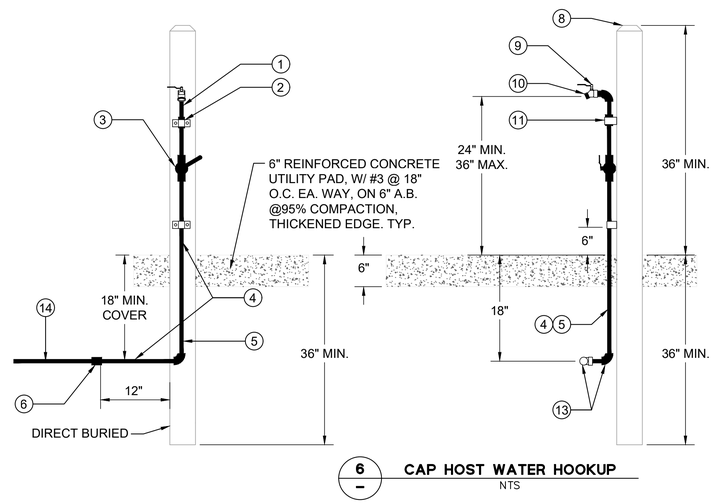


4 — CAMP HOST SEWER, WATER, ELECTRICAL HOOKUP LAYOUT
NTS



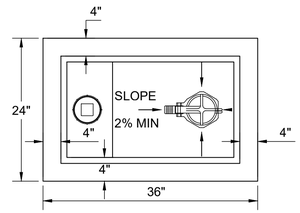
NOTE: SLOPE CONCRETE SLAB TO PROVIDE COMPLETE SURFACE DRAINAGE. SLAB TO HAVE FINE BROOM FINISH. DO NOT USE CURING COMPOUNDS. MAX. VARIATION IN SLAB ¼" IN 10'. SWEEP JOINTS WITH SAND OR GROUT.

5 — TRUNCATED DOMES
NTS

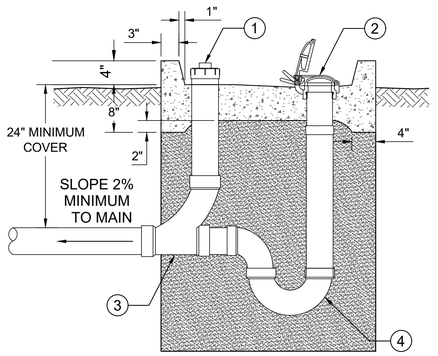


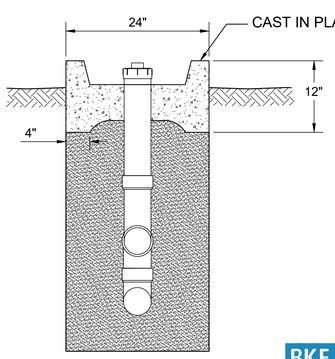
1. 3/4" SCH. 80 PVC THREADED (BRAKE AWAY) NIPPLE
2. 3/4" PVC THREADED COUPLING
3. 3/4" BALL VALVE (LEVER TYPE)
4. 3/4" GALVANIZED STEEL PIPE
5. ALL BURIED GSP TO BE POLYETHYLENE WRAPPED
6. 3/4" PVC FEMALE ADAPTER
7. NOT USED
8. 6" X 6" X 6' DOUGLAS FIR PRESSURE TREATED POST- PAINT BROWN. CHAMFER, TYP.
9. 3/4" HOSE BIB (LEVER TYPE), FREEZE-PROOF.
10. BACKFLOW PREVENTER
11. PIPE CLAMP 2 REQUIRED
12. NOT USED
13. 3/4" STREET ELBOW
14. 3/4" PLASTIC PIPE

6 — CAP HOST WATER HOOKUP
NTS



1. 4" SEWER THREADED CAP
2. 4" SEWER CAP.
3. 4" PVC SANITARY "T".
4. 4" PVC P-TRAP





7 — CAMP HOST SEWER HOOKUP
NTS

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

CONSTRUCTION DETAILS

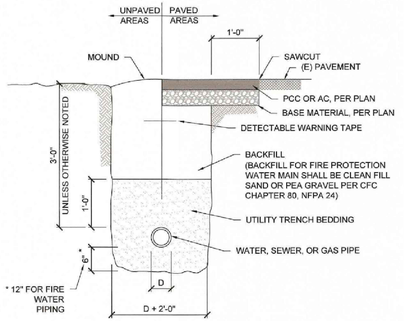
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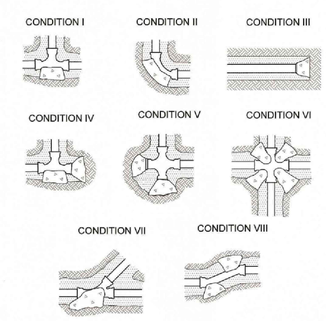
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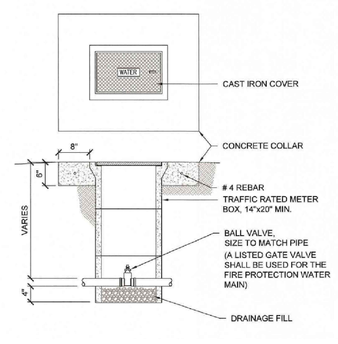
1 – TYPICAL PIPE TRENCH
NTS

THRUST BLOCK BEARING AREA IN SQUARE FEET								
	CONDITION							
PIPE SIZE	I	II	III	IV	V	VI	VII	VIII
< 6"	2.0	2.9	2.0	2 @ 2.0	2 @ 1.6	4 @ 1.6	2.0	2 @ 1.6
6"	4.3	4.0	4.3	2 @ 4.3	2 @ 4.3	4 @ 3.3	4.3	2 @ 3.3
8"	7.4	10.6	7.4	2 @ 7.4	2 @ 7.4	4 @ 5.7	7.4	2 @ 5.7
10"	12.1	17.1	12.1	2 @ 12.1	2 @ 12.1	4 @ 9.3	12.1	2 @ 9.3
12"	17.2	24.1	17.2	2 @ 17.2	2 @ 17.2	4 @ 13.2	17.2	2 @ 13.2

NOTES
1. THRUST BLOCK AREAS BASED ON 225 PSI AND 2,000 PSF SOIL PRESSURE WITH 2 ½ FEET OF COVER MINIMUM.
2. THRUST BLOCK BEARING FACES SHALL BE PLACED AGAINST UNDISTURBED SOIL, APPROVED COMPACTED BACKFILL, OR CLASS 100-E-100 SLURRY.
3. THRUST BLOCKS SHALL BE CLASS 560-C-3250 CONCRETE, UNLESS SPECIFIED OTHERWISE.
4. TO FACILITATE FUTURE REMOVAL OF THRUST BLOCKS AND LINE EXTENSION USE CARDBOARD SEPARATORS BETWEEN BLOCKS, IF NEEDED.

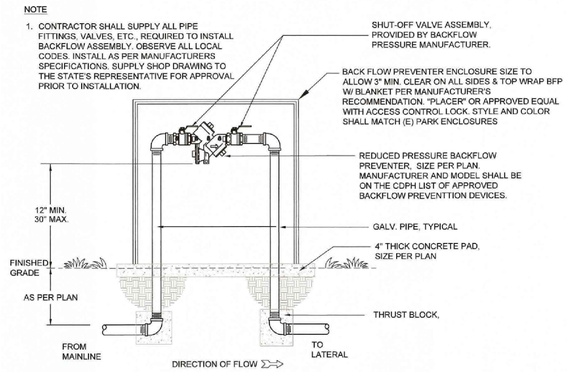


2 – THRUST BLOCK
NTS

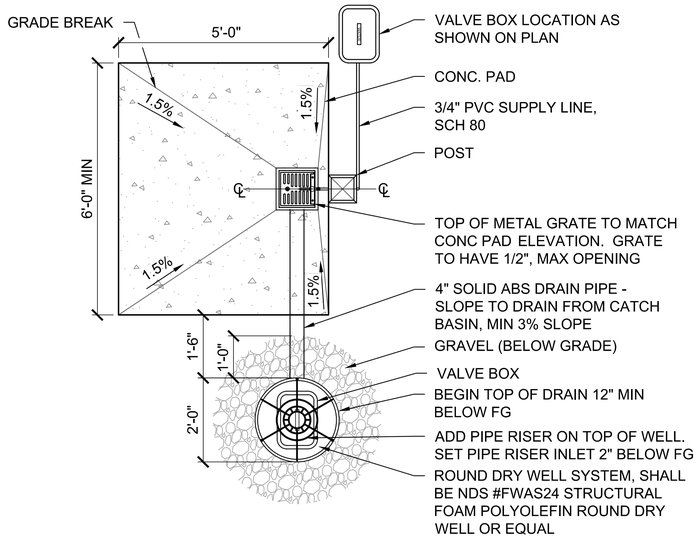


3 – BALL VALVE
NTS

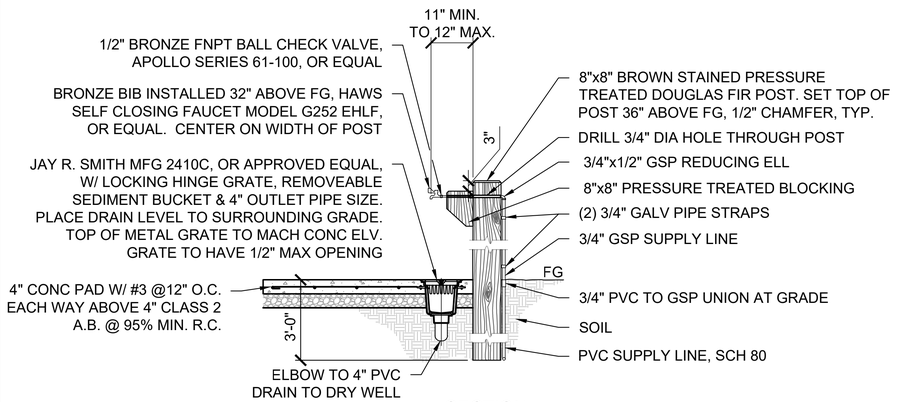
NOTE
1. CONTRACTOR SHALL SUPPLY ALL PIPE FITTINGS, VALVES, ETC., REQUIRED TO INSTALL BACKFLOW ASSEMBLY. OBSERVE ALL LOCAL CODES. INSTALL AS PER MANUFACTURERS SPECIFICATIONS. SUPPLY SHOP DRAWING TO THE STATE'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.



4 – RP-TYPE BACKFLOW PREVENTER
NTS

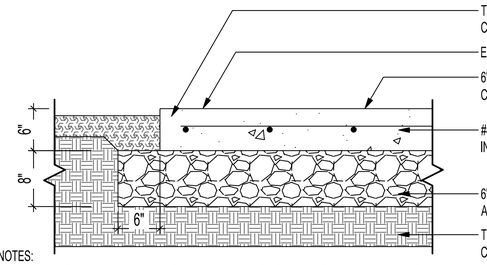


PLAN



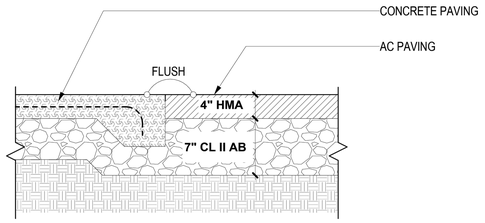
SECTION

5 – HOSE BIB
NTS



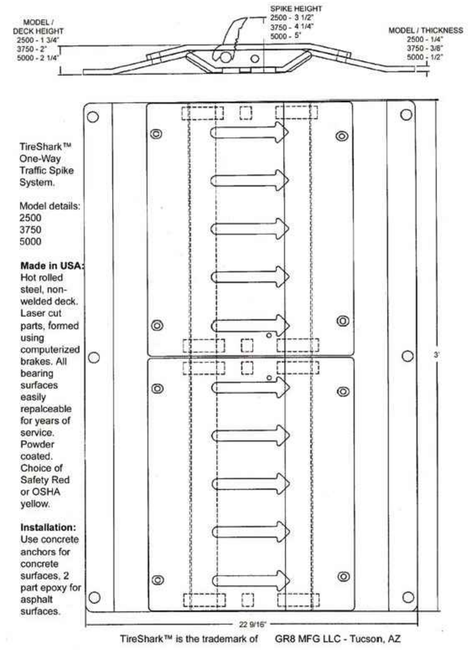
NOTES:
1. CONCRETE SURFACE TO HAVE BROOM FINISH, UNLESS OTHERWISE NOTED ON PLANS.
2. JOINTS TO BE TOOLED UNLESS OTHERWISE NOTED ON PLANS.
3. REFER TO JOINT DETAIL ON LANDSCAPE PLANS FOR CONCRETE JOINTS.
4. REBAR SHALL BE HELD 3" CLEAR FROM FACE OF CONCRETE EDGE.
5. PRIOR TO POURING, CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY AND IRRIGATION SLEEVING UNDER CONCRETE FLATWORK.
6. PRIOR TO POURING, CONTRACTOR TO VERIFY GRADES MEET NECESSARY ADA REQ'S AND THAT THE GRADING AND DRAINAGE INTENT IS BEING MET.
7. CONTRACTOR TO PROVIDE MOCKUPS FOR ALL PAVING & JOINT TYPES. MINIMUM 4'X4' SIZE FOR EACH MOCKUP.

6 – VEHICULAR CONCRETE PAVING
NTS



NOTES:
1. CLASS 2 AB TO BE COMPACTED TO 95%. PRIOR TO PLACING HMA, THE AB SHOULD BE PROOF ROLLED WITH A LOADED WATER TRUCK TO VERIFY STABILITY.
2. PAVEMENT SUBGRADE TO BE COMPACTED IN ACCORDANCE WITH GEOTECH REPORT.

7 – VEHICULAR ASPHALT CONCRETE PAVING
NTS



8 – TRAFFIC CONTROL SPIKES
NTS

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS PETERSEN
PE 76759
CIVIL
STATE OF CALIFORNIA

DPR ACCESSIBILITY COMPLIANCE REVIEW
CERTIFICATION#
REVIEWED BY
CASp# Date:
ACCESSIBILITY COMPLIANCE AND SFM SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS & RECREATION, NORTHERN SERVICE CENTER

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DATE	01/30/26

REVISIONS

No.	Description	Date
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

CONSTRUCTION DETAILS

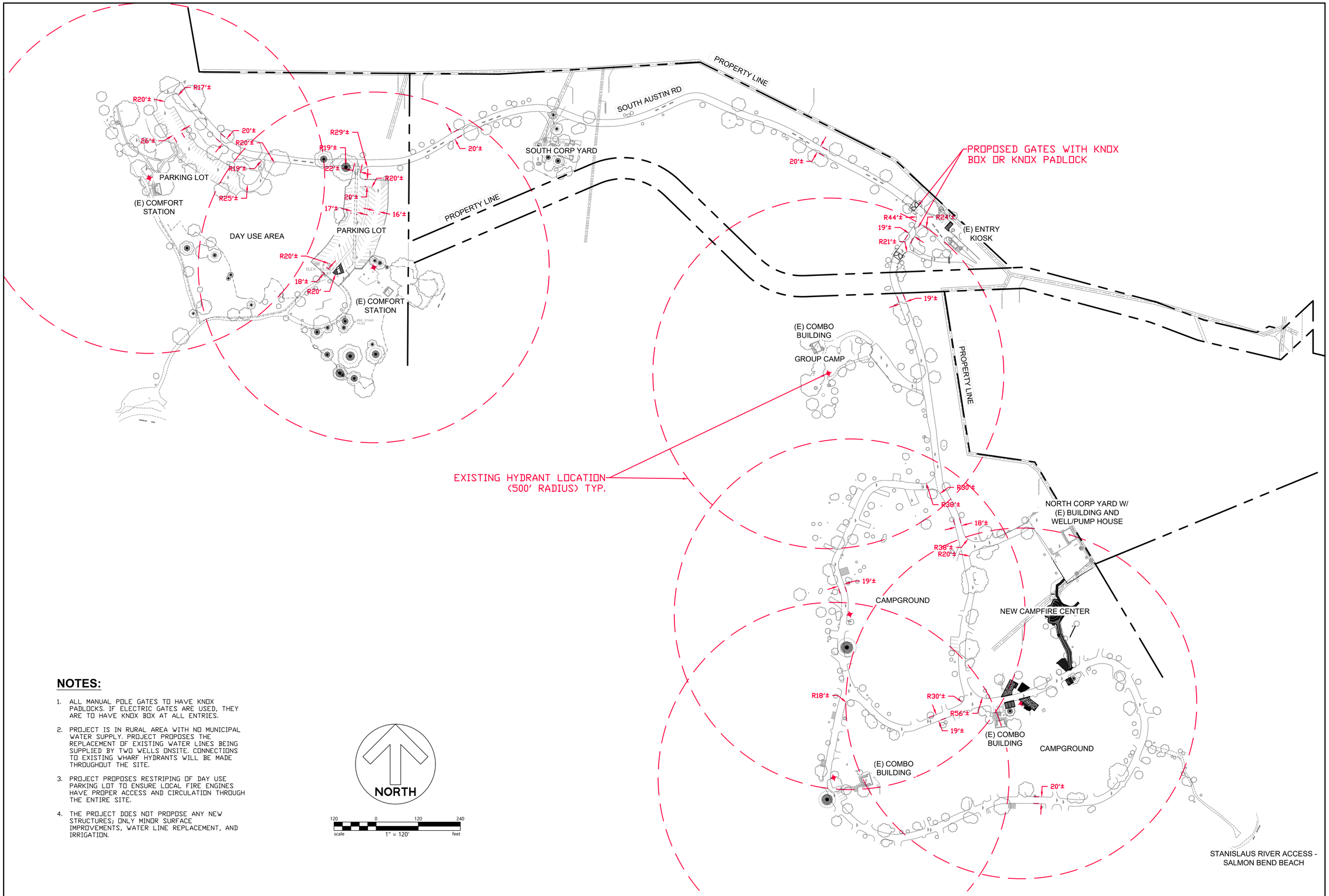
20251635

SHEET NO.
C3.01
26 OF 56

BKF ENGINEERS
1730 N. FIRST STREET
SUITE 600
SAN JOSE, CA 95112
(408) 467-9100
www.bkf.com

Project Milestone: CONSTRUCTION DOCUMENTS

V2



NOTES:

1. ALL MANUAL POLE GATES TO HAVE KNOX PADLOCKS. IF ELECTRIC GATES ARE USED, THEY ARE TO HAVE KNOX BOX AT ALL ENTRIES.
2. PROJECT IS IN RURAL AREA WITH NO MUNICIPAL WATER SUPPLY. PROJECT PROPOSES THE REPLACEMENT OF EXISTING WATER LINES BEING SUPPLIED BY TWO WELLS ONSITE. CONNECTIONS TO EXISTING WHARF HYDRANTS WILL BE MADE THROUGHOUT THE SITE.
3. PROJECT PROPOSES RESTRIPING OF DAY USE PARKING LOT TO ENSURE LOCAL FIRE ENGINES HAVE PROPER ACCESS AND CIRCULATION THROUGH THE ENTIRE SITE.
4. THE PROJECT DOES NOT PROPOSE ANY NEW STRUCTURES; ONLY MINOR SURFACE IMPROVEMENTS, WATER LINE REPLACEMENT, AND IRRIGATION.

NORTH

120 0 120 240
scale 1" = 120' feet

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS PETERSEN
PE 76759
CIVIL
STATE OF CALIFORNIA

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

FIRE ACCESS PLAN

20251635

SHEET NO.
C4.00
27 OF 56

BKF ENGINEERS
1730 N. FIRST STREET
SUITE 600
SAN JOSE, CA 95112
(408) 467-9100
www.bkf.com

Project Milestone: CONSTRUCTION DOCUMENTS

V2

ABBREVIATIONS

A		N	
ABV	ABOVE	NIC	NOT IN CONTRACT
ADJ	ADJUST, ADJACENT	O	
AD	AREA DRAIN	OC	ON CENTER
AGG	AGGREGATE	OD	OUTSIDE DIAMETER
ALUM	ALUMINUM	P	
ARCH	ARCHITECTURE	PA	PLANTED AREA
B		PC	POINT OF CURVATURE
BR	BOTTOM OF RAMP	PI	POINT OF INTERSECT
BS	BOTTOM OF STAIR	PL	PROPERTY LINE
BW	BOTTOM OF WALL	POB	POINT OF BEGINNING
BR	BIORETENTION AREA	PREFIN	PREFINISHED
C		PT	POINT
CIP	CAST-IN-PLACE	PTD	PAINTED
CJ	CONTROL JOINT	PVR	PAVER
CL	CENTER LINE	Q	
CLR	CLEAR	QTY	QUANTITY
CNTR	CENTER	R	
CONC	CONCRETE	R	RISER
CONT	CONTINUOUS	REINF	REINFORCED
CONN	CONNECTION	REF	REFERENCE
CRZ	CRITICAL ROOT ZONE	S	
D		SIM	SIMILAR
DBH	DIAMETER AT BREAT HEIGHT	SPEC	SPECIFICATION(S)
DIA	DIAMETER	SQ	SQUARE
DICA	DRILLED IN CONCRETE ANCHOR	SS	STAINLESS STEEL
DN	DOWN	STL	STEEL
E		STD	STANDARD
EA	EACH	STRUC	STRUCTURE(AL)
EJ	EXPANSION JOINT	T	
EL	ELEVATION	T	TREAD
F		TH	THICK
FDC	FIRE DEPARTMENT CONNECTION	THRU	THROUGH
FFE	FINISH FLOOR ELEVATION	TBD	TO BE DETERMINED
FG	FINISHED GRADE	TC	TOP OF CURB
FIN	FINISH	TO	TOP OF
FO	FACE OF	TPZ	TREE PROTECTION ZONE
FTG	FOOTING	TR	TOP OF RAMP
G		TS	STOP OF STAIR
GALV	GALVANIZED	TW	TOP OF WALL
GB	GRADE BREAK	TYP	TYPICAL
GL	GRID LINE	U	
H		UNO	UNLESS OTHERWISE NOTED
H	HEIGHT	V	
HD	HOT DIPPED	VAR	VARIES
HSS	HOLLOW STRUCTURAL STEEL	VERT	VERTICAL
I		VIF	VERIFY IN FIELD
INCL	INCLUDE(D)	W	
J		W/	WITH
JNT	JOINT	WD	WOOD
L		WID	WIDTH
LB	LINE BEGINNING	W/O	WITHOUT
LE	LINE END	WP	WATERPROOFING
LED	LIGHT EMITTING DIODE		
LOD	LIMITS OF DISTURBANCE		
LOW	LIMIT OF WORK		
M			
MA X	MAXIMUM		
MIN	MINIMUM		
MFR	MANUFACTURER		
MFG	MANUFACTURING		

DRAWING SYMBOLS

PAV-XX	FLOOR TAG
W(X)	WALL TAG
F-1	RAILING TAG
F-1	FENCE TAG
1	REVISION NUMBER
1 A10.01	ELEVATION VIEW
1 A10.01	SECTION VIEW
1 A10.01	DETAIL CALLOUT
LEVEL NAME ELEVATION	ELEVATION DATUM
10.8	GRID LINE
℄	CENTERLINE
N	NORTH ARROW
	FLUSH SYMBOL
DS	DOWN SPOUT
FD	FLOOR DRAIN
	ADA ACCESS
2 L3.02	ADA COMPANION SEATING

SHEET INDEX

NUMBER	TITLE
G0.03	OVERALL SITE PLAN - TREE REMOVAL AND PROTECTION KEY
G0.04	TREE PROTECTION AND REMOVAL PLANS
G0.05	TREE PROTECTION AND REMOVAL PLANS - CORP YARD
G0.06	TREE PROTECTION AND REMOVAL PLANS - BIG MEADOWS PICNIC AREA
G0.07	TREE PROTECTION AND REMOVAL PLANS - ELDERBERRY PICNIC AREA
L1.00	INDEX, NOTES, & SCHEDULES
L1.01	OVERALL SITE PLAN
L1.11	ENLARGEMENT A - PARK ENTRANCE
L1.12	ENLARGEMENT B - CAMPFIRE CENTER MATERIAL PLAN
L1.13	ENLARGEMENT C - COMBO BUILDING
L2.01	CAMPFIRE CENTER LAYOUT
L2.02	CAMPFIRE CENTER BENCH LAYOUT
L3.01	SITE DETAILS
L3.02	SITE DETAILS
L3.03	SITE DETAILS
L3.04	SITE DETAILS
L5.00	IRRIGATION - OVERALL SITE PLAN
L5.11	IRRIGATION ENLARGEMENT E - BIG MEADOWS PICNIC AREA
L5.12	IRRIGATION ENLARGEMENT F - ELDERBERRY PICNIC AREA
L5.30	IRRIGATION LEGEND AND NOTES
L5.40	IRRIGATION DETAILS

PAVING SCHEDULE

Symbol	Type	Detail
PAV-1A	CIP CONCRETE PAVING - PEDESTRIAN	SEE CIVIL DRAWINGS
PAV-1B	CIP CONCRETE PAVING - VEHICULAR	SEE CIVIL DRAWINGS
PAV-02	STONE PAVING	2 L3.01
PAV-03	AGGREGATE SURFACE	1 L3.01
PAV-04	TRUNCATED DOMES	SEE CIVIL DRAWINGS
PAV-05	RIVER ROCK COBBLE EDGE	3 L3.01
PAV-06	ASPHALT PAVING	SEE CIVIL DRAWINGS

FENCE & SECURITY SCHEDULE

Type Image	Type	Model
F1	SPLIT RAIL FENCE	4 L3.04
F2	WOOD SCREEN FENCE	5 L3.04
FE	EXISTING FENCING	
G1	SWING GATE	2 L1.11 ; 1 L3.04
R1	TRAFFIC CONTROL SPIKES	SEE CIVIL DRAWINGS

AMENITY SCHEDULE

Type Image	Type	Model
A	CAMPFIRE CENTER COOKIE TYPE A	1 L3.02
B	CAMPFIRE CENTER COOKIE TYPE B	1 L3.02
BE	BENCH_BACKREST & SLAB	1 L2.02 ; 2 L2.02
ES	CAMPFIRE CENTER ENTRY SIGN	4 L3.02
FR	STONE FIRE RING	5 L3.02
HB	HOSE BIB_WATER HOOKUP	SEE CIVIL DRAWINGS
LP	LIGHT POLE	SEE ELECTRICAL DRAWINGS
PL	PATH LIGHTING	3 L3.02
PO	PODIUM	1 L3.03 ; 6 L3.03

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT — DEBRA DAWN GUENTHER — LATC — Signature — 2/28/2026 — Renewal Date 10/1/2026 — Date — STATE OF CALIFORNIA

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION

CERTIFICATION Date

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

INDEX, NOTES, & SCHEDULES

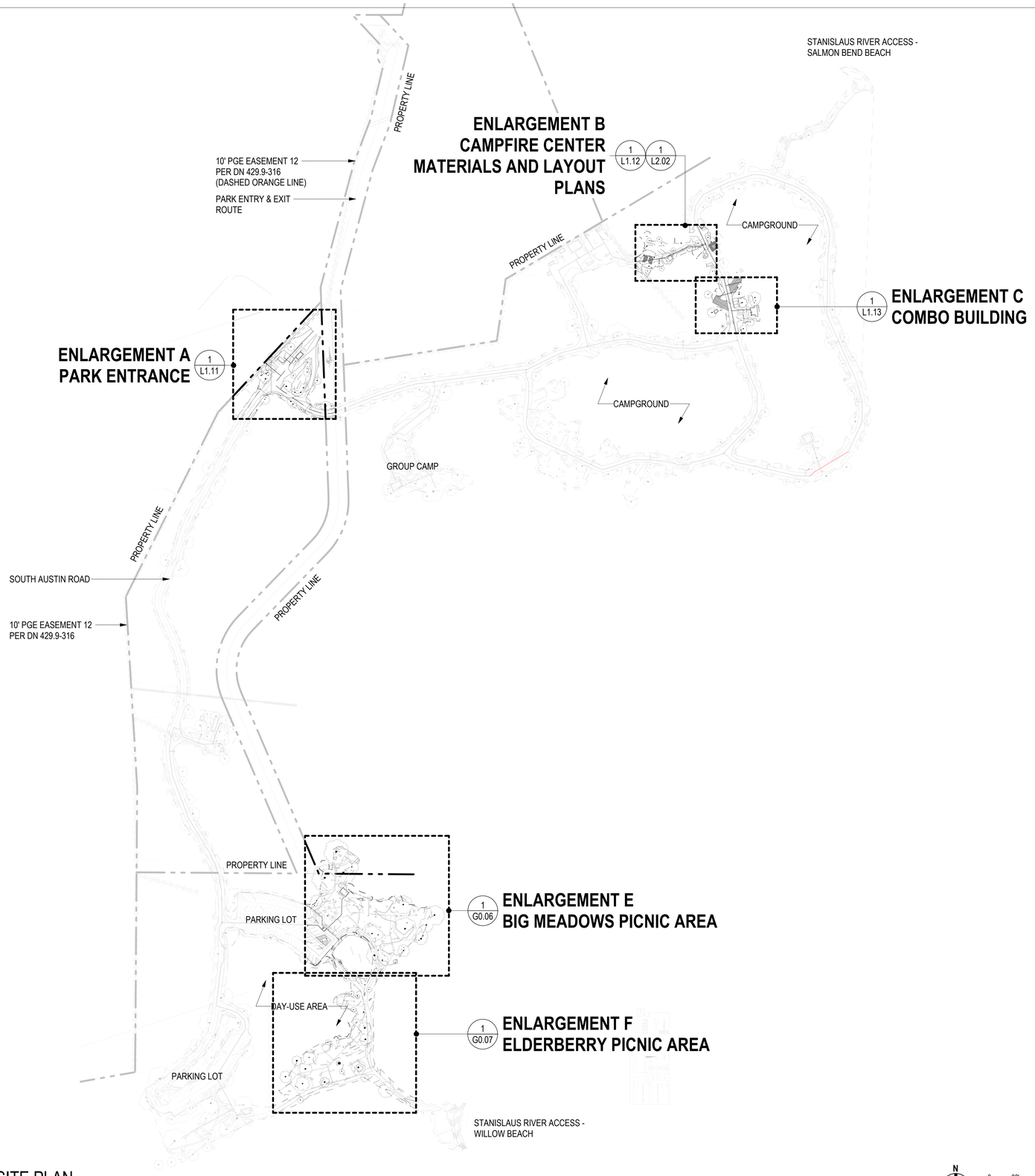
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L1.00
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1 OVERALL SITE PLAN
1" = 160'-0"

N

0 80' 160' 320' 480'
1" = 160'

FACILITIES &
DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LAPAC
Signature
2/28/2028
Renewal Date
10/1/2026
Date
STATE OF CALIFORNIA

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

OVERALL SITE PLAN

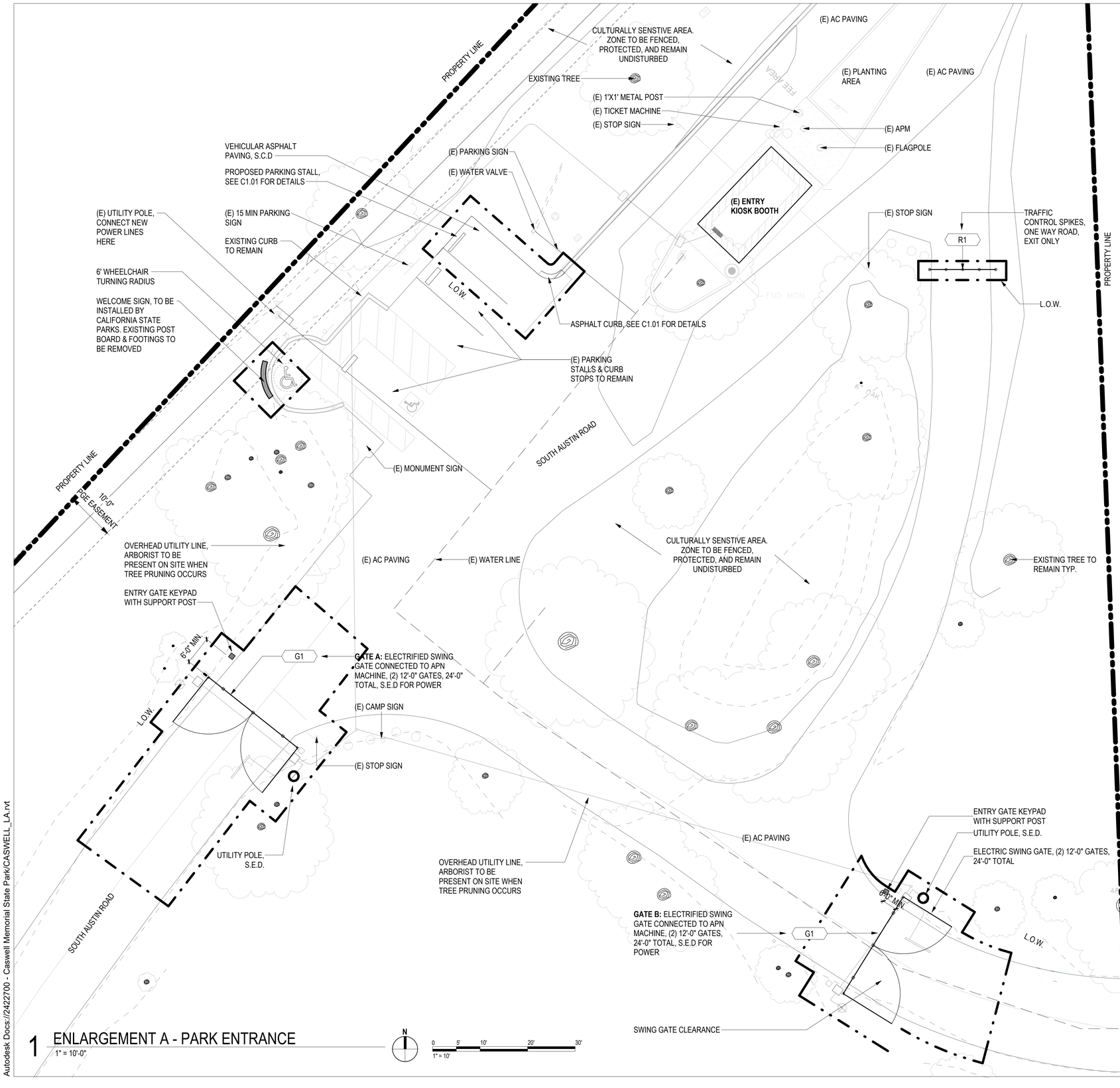
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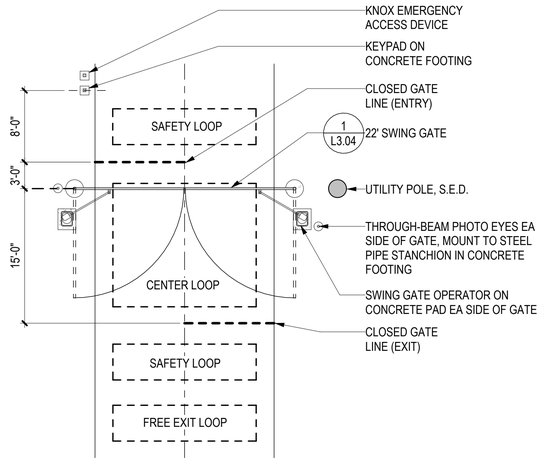
V2

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1 ENLARGEMENT A - PARK ENTRANCE

1" = 10'-0"



NOTES

1. SAWCUT PAVING TO RECEIVE LOOPS AND SEAL WITH EPOXY OR POLYURETHANE LOOP SEALANT, S.C.D.
2. COORDINATE FINAL LOOP DIMSNSIONS, LOCATION, AND CONTROL REQUIREMENTS WITH GATE OPERATOR MANUFACTRUER.
3. CONDUIT RUNS ARE NOT SHOWN. CONTRACTOR SHALL COORDINATE CONDUIT LOCATIONS IN SHOP DRAWING SUBMITTAL. SCOPE INCLUDES SAW CUTTING AND REPLACING ASPHALT PAVING FOR CONDUIT.
4. S.C.D. FOR RESTRIPING AT GATE ENTRIES AND EXITS.
5. PROVIDE KNOX EMERGENCY ACCESS DEVICE COMPATIBLE WITH THE AUTHORITY HAVING JURISDICTION. COORDINATE EXACT TYPE, MOUNTING REQUIREMENTS, AND WIRING WITH RESPONDING FIRE AGENCY AND GATE OPERATOR MANUFACTURER.
6. FINAL SAFETY DEVICES, LOOP GEOMETRY, ENTRAPMENT PROTECTION, AND OPERATOR CONFIGURATION SHALL BE DESIGNED BY GATE MANUFACTURER AND PROVIDED AS REQUIRED FOR A COMPLETE UL 325-COMPLIANT INSTALLATION.

2 ENLARGED PLAN - G1 GATE

1/8" = 1'-0"

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LATAS
Signature
2/28/2028
Renewal Date
10/1/2026
Date
STATE OF CALIFORNIA

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ENLARGEMENT A - PARK ENTRANCE

2422700

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L1.11
30 OF 56

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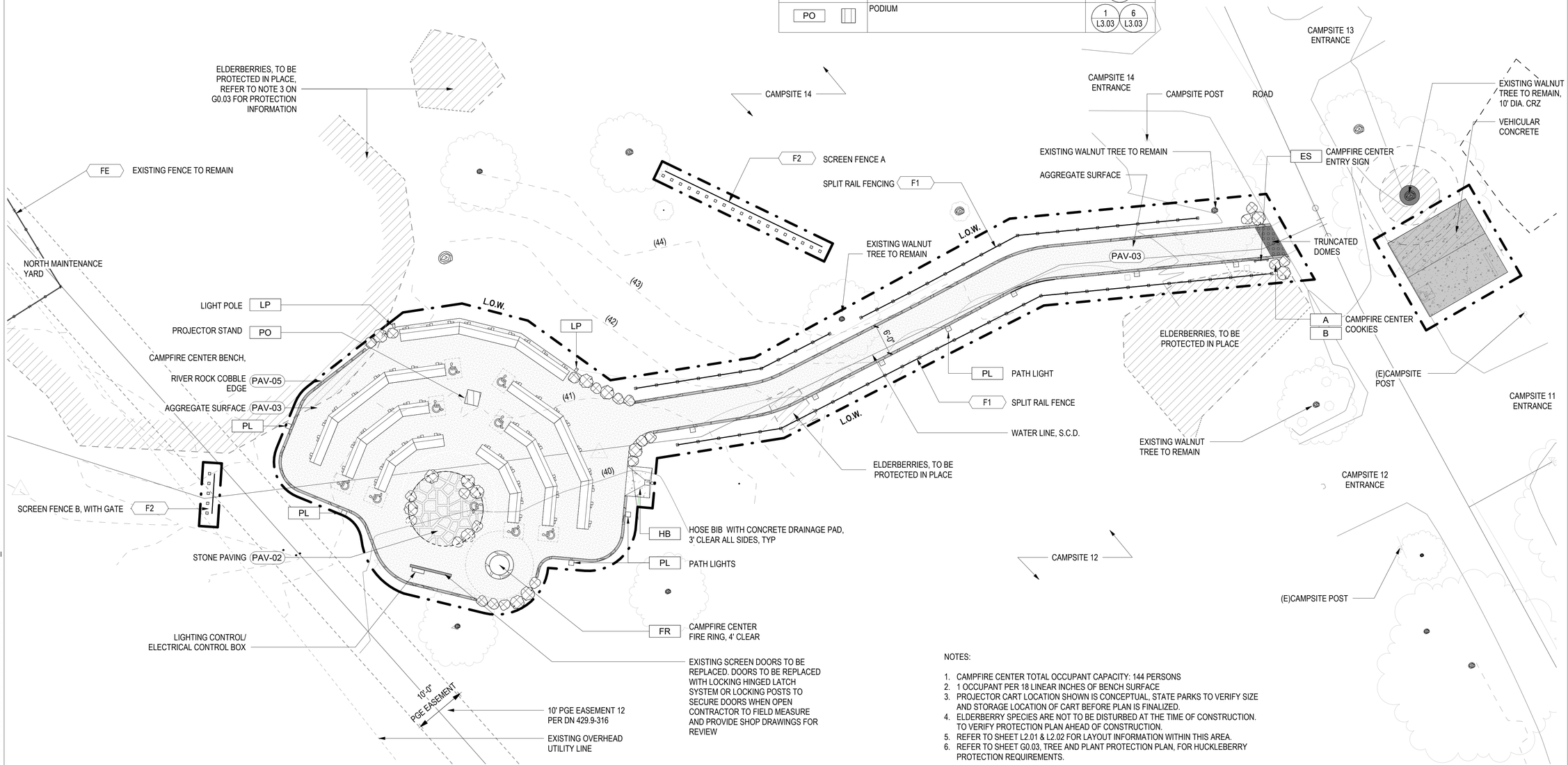
Project Milestone: CONSTRUCTION DOCUMENTS

V2

PAVING SCHEDULE CC		
Symbol	Type	Detail
PAV-1A	CIP CONCRETE PAVING - PEDESTRIAN	SEE CIVIL DRAWINGS
PAV-1B	CIP CONCRETE PAVING - VEHICULAR	SEE CIVIL DRAWINGS
PAV-02	STONE PAVING	2 L3.01
PAV-03	AGGREGATE SURFACE	1 L3.01
PAV-04	TRUNCATED DOMES	SEE CIVIL DRAWINGS
PAV-05	RIVER ROCK COBBLE EDGE	3 L3.01

AMENITY SCHEDULE		
Type Image	Type	Model
A	CAMPFIRE CENTER COOKIE TYPE A	1 L3.02
B	CAMPFIRE CENTER COOKIE TYPE B	1 L3.02
BE	BENCH_BACKREST & SLAB	1 L2.02, 2 L2.02
ES	CAMPFIRE CENTER ENTRY SIGN	4 L3.02
FR	STONE FIRE RING	5 L3.02
HB	HOSE BIB_WATER HOOKUP	SEE CIVIL DRAWINGS
LP	LIGHT POLE	SEE ELECTRICAL DRAWINGS
PL	PATH LIGHTING	3 L3.02
PO	PODIUM	1 L3.03, 6 L3.03

FENCE & SECURITY CC		
Type Image	Type	Model
F1	SPLIT RAIL FENCE	4 L3.04
F2	WOOD SCREEN FENCE	5 L3.04
FE	EXISTING FENCING	



NOTES:

1. CAMPFIRE CENTER TOTAL OCCUPANT CAPACITY: 144 PERSONS
2. 1 OCCUPANT PER 18 LINEAR INCHES OF BENCH SURFACE
3. PROJECTOR CART LOCATION SHOWN IS CONCEPTUAL. STATE PARKS TO VERIFY SIZE AND STORAGE LOCATION OF CART BEFORE PLAN IS FINALIZED.
4. ELDERBERRY SPECIES ARE NOT TO BE DISTURBED AT THE TIME OF CONSTRUCTION. TO VERIFY PROTECTION PLAN AHEAD OF CONSTRUCTION.
5. REFER TO SHEET L2.01 & L2.02 FOR LAYOUT INFORMATION WITHIN THIS AREA.
6. REFER TO SHEET G0.03, TREE AND PLANT PROTECTION PLAN, FOR HUCKLEBERRY PROTECTION REQUIREMENTS.

1 ENLARGEMENT B - CAMPFIRE CENTER MATERIAL PLAN
1" = 10'-0"

N
0 5' 10' 20' 30'
1" = 10'

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LATHAY
Signature
2/28/2026
Renewal Date
Date
10/1/2026
STATE OF CALIFORNIA

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ENLARGEMENT B - CAMPFIRE CENTER MATERIAL PLAN

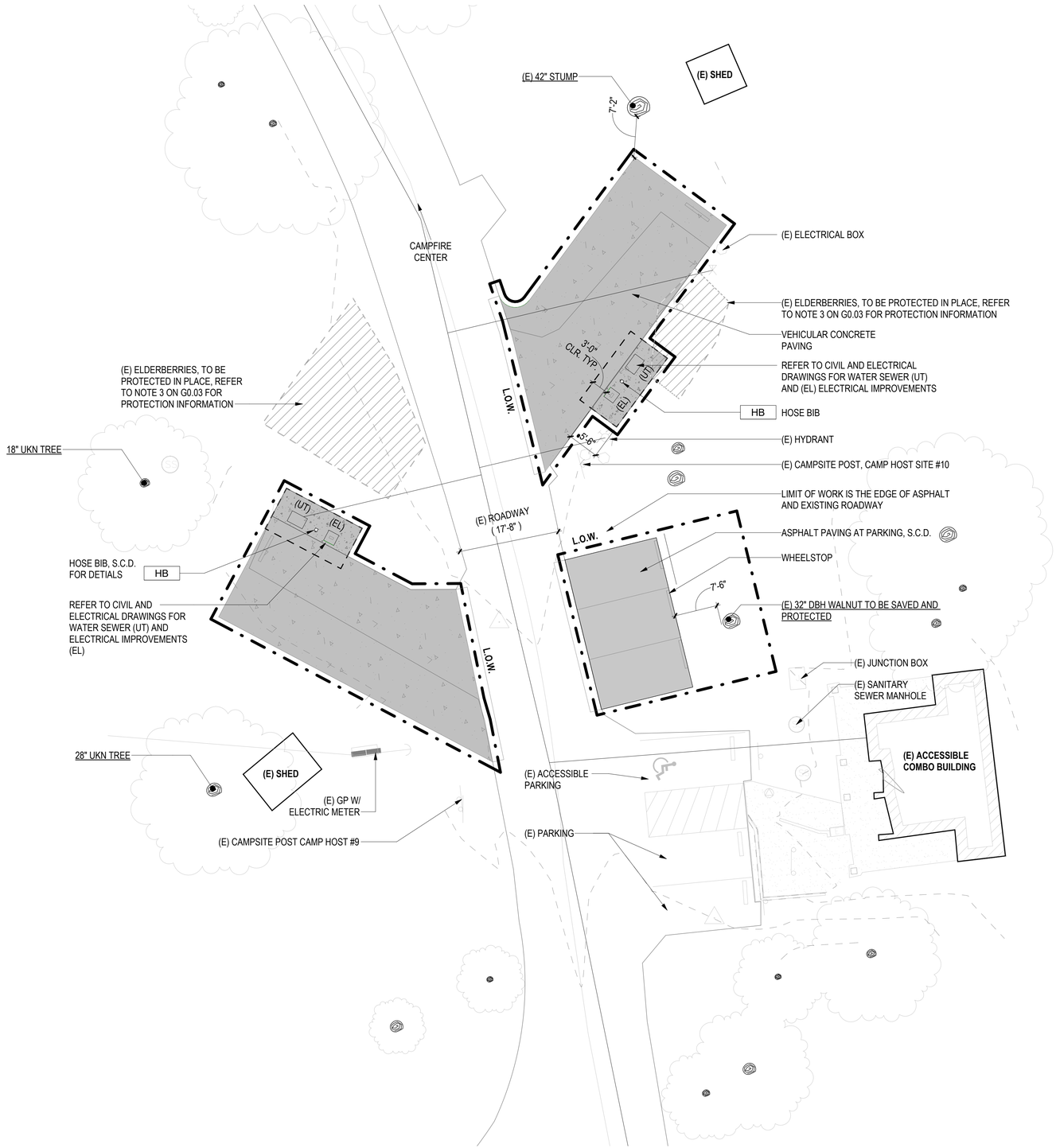
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L1.12
31 OF 56

Project Milestone: CONSTRUCTION DOCUMENTS

V2

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NOTES:

1. REFER TO SHEET G0.03, TREE AND PLANT PROTECTION PLAN, FOR HUCKLEBERRY PROTECTION REQUIREMENTS.

N

0 5' 10' 20' 30'
1" = 10'

1 ENLARGEMENT C - COMBO BUILDING
1" = 10'-0"

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FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LATAS
Signature
2/28/2026
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10/1/2026
Date
STATE OF CALIFORNIA

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

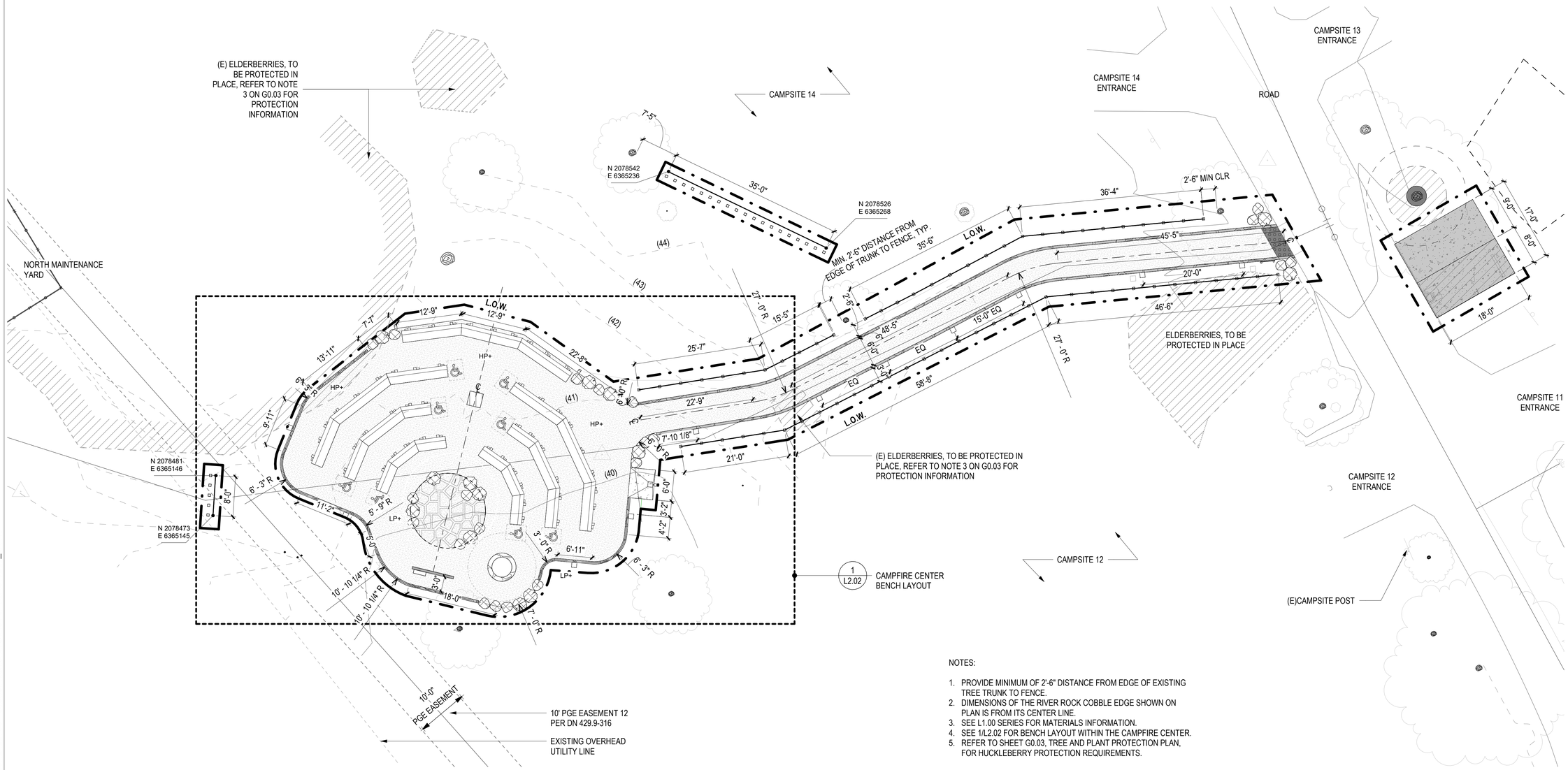
ENLARGEMENT C - COMBO BUILDING

2422700

SHEET NO.
L1.13
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Project Milestone: CONSTRUCTION DOCUMENTS

V2



NOTES:

1. PROVIDE MINIMUM OF 2'-6" DISTANCE FROM EDGE OF EXISTING TREE TRUNK TO FENCE.
2. DIMENSIONS OF THE RIVER ROCK COBBLE EDGE SHOWN ON PLAN IS FROM ITS CENTER LINE.
3. SEE L1.00 SERIES FOR MATERIALS INFORMATION.
4. SEE 1/L2.02 FOR BENCH LAYOUT WITHIN THE CAMPFIRE CENTER.
5. REFER TO SHEET G0.03, TREE AND PLANT PROTECTION PLAN, FOR HUCKLEBERRY PROTECTION REQUIREMENTS.

1 ENLARGEMENT B - CAMPFIRE CENTER LAYOUT

1" = 10'-0"

1" = 10'

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT — DEBRA DAWN GUENTHER LATAS — Signature 2/28/2026 — Renewal Date 10/1/2026 — Date — STATE OF CALIFORNIA

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION

CERTIFICATION Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND ECREATION, NORTHERN SERVICE CENTER

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CHECKED	DG
DATE	01/30/26

REVISIONS

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

CAMPFIRE CENTER LAYOUT

2422700

SHEET NO.

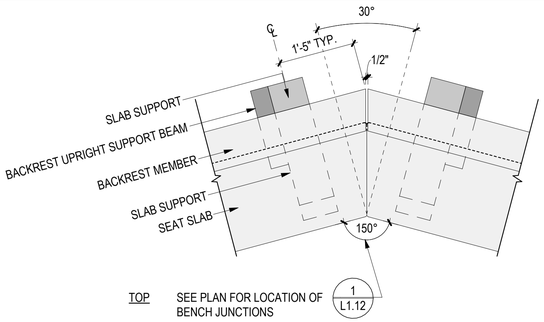
L2.01

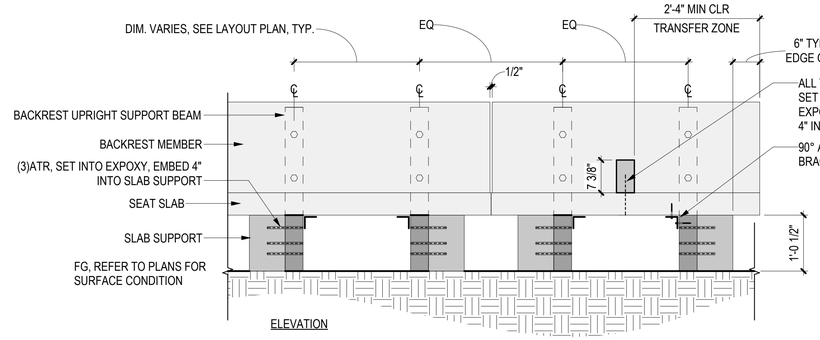
33 OF 56

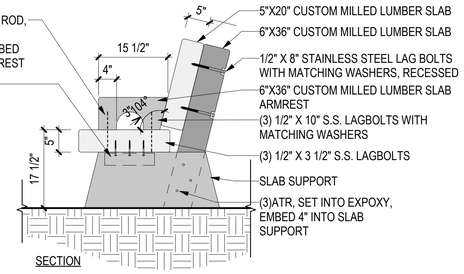
Project Milestone: CONSTRUCTION DOCUMENTS

V2

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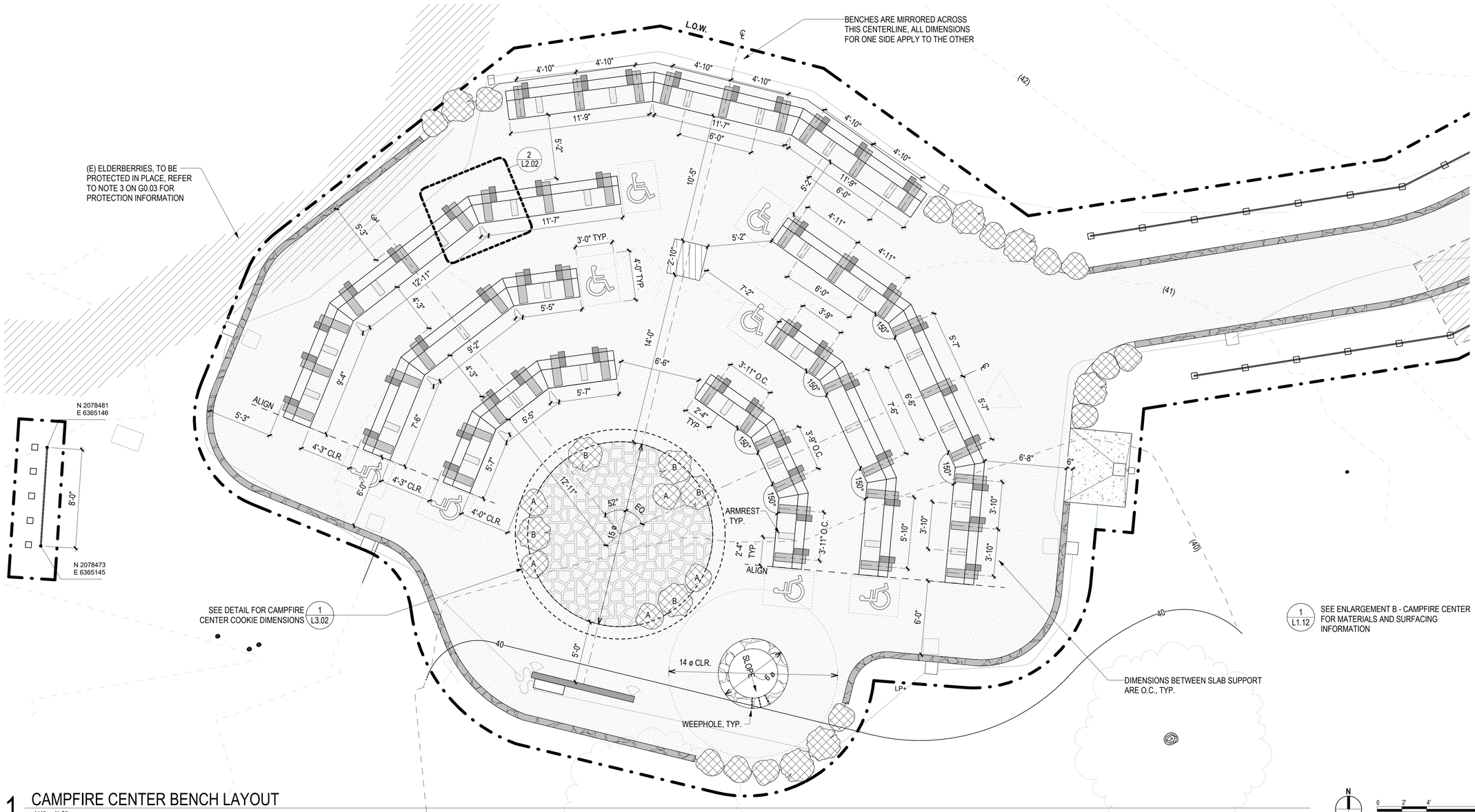


FINISHED GRADE, REFER TO PLANS FOR SURFACE CONDITION

NOTE:
1. WOOD TO RECEIVE UV-RESISTANT, LOW-VOC PENETRATING OIL FINISH; SEE SPECIFICATIONS.
2. ALL HARDWARE TO BE STAINLESS STEEL
3. INDICATE PROPOSED CONNECTIONS IN SHOP DRAWINGS

2 CAMPFIRE CENTER BENCH DETAILS
3/4" = 1'-0"

1 CAMPFIRE CENTER BENCH LAYOUT
1/4" = 1'-0"



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Project Milestone: CONSTRUCTION DOCUMENTS

V2

CALIFORNIA STATE PARKS SINCE 1864
FACILITIES & DEVELOPMENT DIVISION
MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LAGNA
Signature
2/28/2028
Renewal Date
10/1/2026
Date
STATE OF CALIFORNIA

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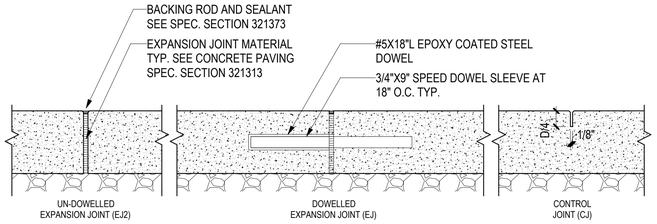
No.	Description	Date
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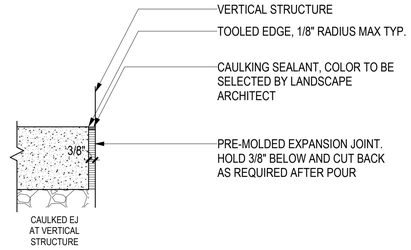
CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

CAMPFIRE CENTER BENCH LAYOUT

2422700

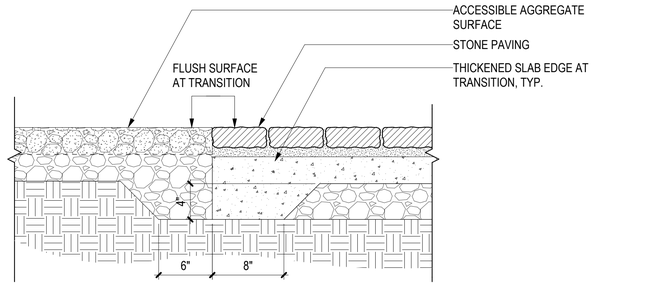
SHEET NO.
L2.02
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NOTES:
1. JOINTS TO BE SAW CUT UNLESS OTHERWISE NOTED ON PLANS. IF TROWELED JOINTS ARE TO BE USED, THEY SHALL HAVE THE SAME DIMENSIONS, PLUS 1/4" ROUNDED CORNERS.
2. PROVIDE CONTROL JOINTS. EXPANSION JOINTS SHLL PROVIDED AT 16' MAX. O.C IN BOTH DIRECTIONS, AND ADJACENT TO BUILDING WALLS AND OTHER VERTICAL ELEMENTS UNLESS NOTED OTHERWISE IN DRAWINGS OR SPECIFICATIONS. PROVIDE CONTROL JOINTS AT 8' MAX. O.C. UNLESS NOTED OTHERWISE IN DRAWINGS OR SPECIFICATIONS
3. IN AN INSTANCE WHERE THIS DETAIL CONFLICTS WITH A CIVIL ENGINEERING DETAIL OR GEOTECHNICAL REPORT, THE CIVIL DETAIL AND GEOTECHINCAL REPORT ARE TO PREVAIL.
4. DOWEL IS TYPICAL AT ALL EJ'S EXCEPT AGAINST CURBS, WALLS, COLUMNS OR SIMILAR VERTICAL STRUCTURES, UNLESS OTHERWISE NOTED IN THE DRAWINGS OR GEOTECH REPORT.
5. NO SHINERS.
6. JOINT SEALANT COLOR TO BE VERIFIED IN RESPONSE TO CONTRACTOR PRODUCT SUBMITTALS.

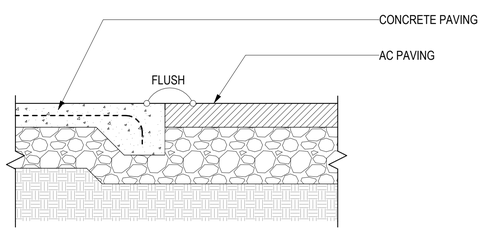
5 CONCRETE JOINTS
3" = 1'-0"



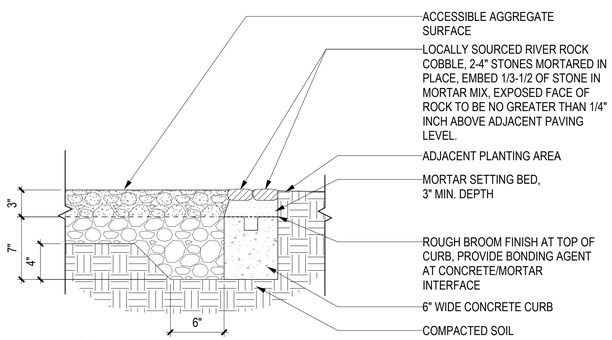
4 TRANSITION AT STONE PAVING
1 1/2" = 1'-0"

NOTE:
1. TO BE COMPLIANT WITH CBC 11B-303.2 REQUIREMENTS.
2. JOINTS BETWEEN STONE PIECES SHALL NOT EXCEED 1/2".
3. VERTICAL CHANGE IN ELEVATION BETWEEN ADJACENT STONE PIECES SHALL NOT EXCEED 1/4".

2 STONE PAVING
1 1/2" = 1'-0"

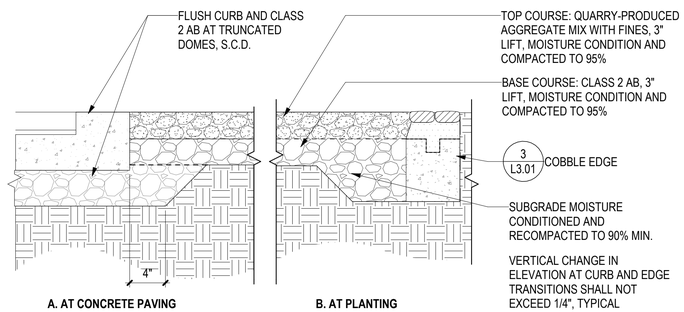


5 AC TO CONCRETE TRANSITION
1" = 1'-0"



NOTE:
DO NOT PLACE OR COMPACT AGGREGATE SURFACE UNTIL MORTAR AND CONCRETE HAVE ACHIEVED DESIGN STRENGTH

3 RIVER ROCK COBBLE EDGE
1 1/2" = 1'-0"



NOTE:
1. CONTRACTOR TO PROVIDE MOCKUPS FOR ALL PAVING TYPES PER SPECS
2. PRIOR TO PLACING AB PAVING, CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY AND IRRIGATION SLEEVING UNDER AB.
3. PRIOR TO PLACING AB PAVING, CONTRACTOR TO VERIFY GRADES MEET NECESSARY ADA REQUIREMENTS AND DRAINAGE INTENT.
4. REFER TO GEOTECH REPORT FOR SUBGRADE PREPARATION.
5. PRIOR TO PLACING AB, THE TOP 6" OF SUBGRADE SOIL SHOULD HAVE A UNIFORM MOISTURE CONDITION AT OR ABOVE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO 90% RELATIVE COMPACTION

1 AGGREGATE SURFACE
1 1/2" = 1'-0"

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LATAS
Signature
2/28/2028
Renewal Date
10/1/2026
Date
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

SITE DETAILS

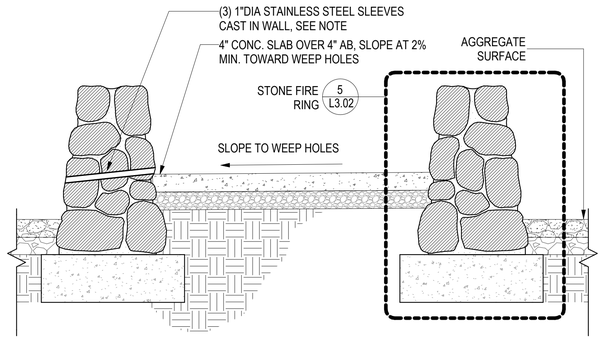
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V2

Project Milestone: CONSTRUCTION DOCUMENTS

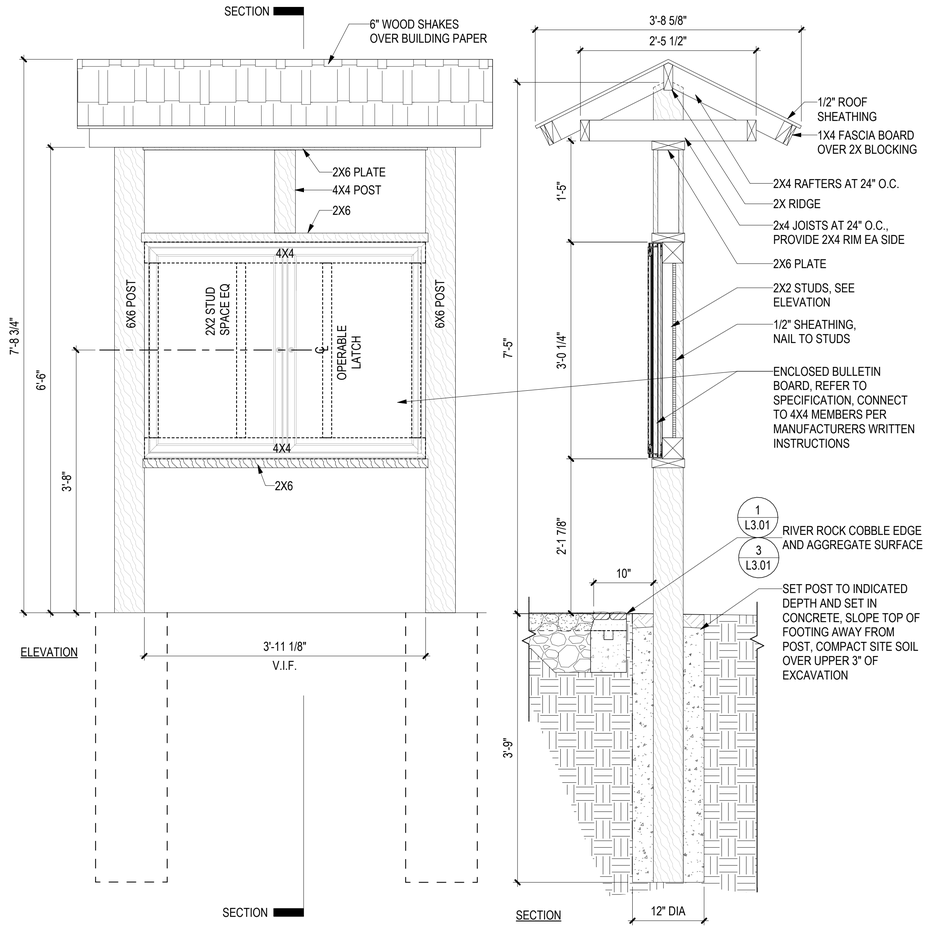
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1. SET INTERIOR SLEEVE INVERT FLUSH AT SLAB LOW POINT. RECESS PIPE END 1/2"-1" FROM FACE OF WALL.
2. SLOPE SLEEVES DOWNWARD AT 5% TOWARD EXTERIOR OF WALL. EXTERIOR SLEEVE END TO PROJECT 1/4"-1/2" FROM FACE OF WALL.
3. TOOL MORTAR AROUND SLEEVE PENETRATIONS.
4. PROVIDE NON-CORRODING INSECT SCREEN AT INTERIOR END OF WEEP TUBE. SCREEN SHALL BE BRONZE MESH SECURELY FASTENED TO PREVENT ENTRY OF INSECTS AND DEBRIS WHILE MAINTAINING DRAINAGE.

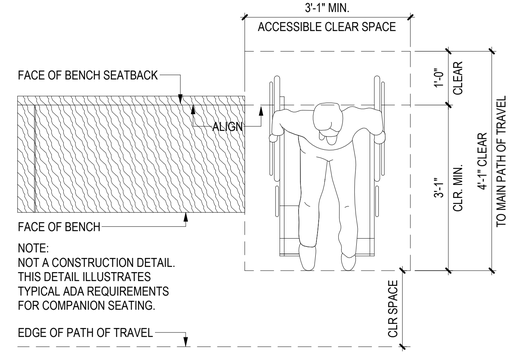
6 SECTION - STONE FIRE RING

1" = 1'-0"



4 CAMPFIRE ENTRY SIGN

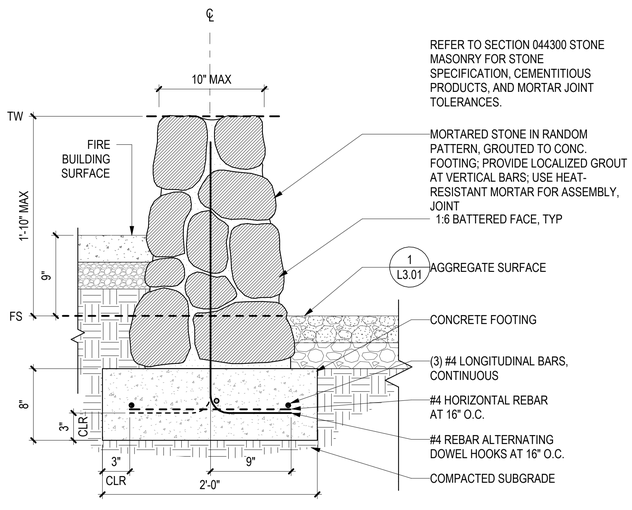
1" = 1'-0"



NOTE:
NOT A CONSTRUCTION DETAIL.
THIS DETAIL ILLUSTRATES TYPICAL ADA REQUIREMENTS FOR COMPANION SEATING.

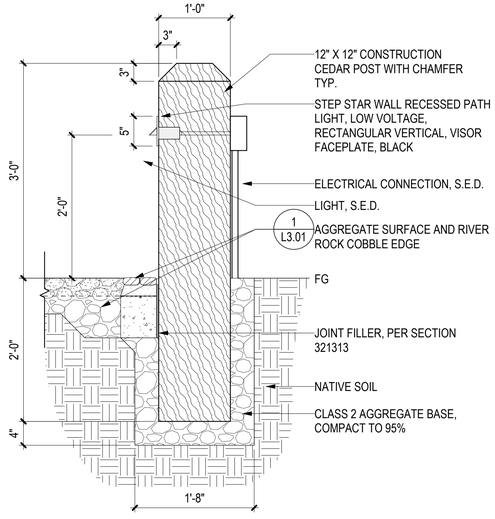
2 COMPANION SEATING DIAGRAM

3/4" = 1'-0"



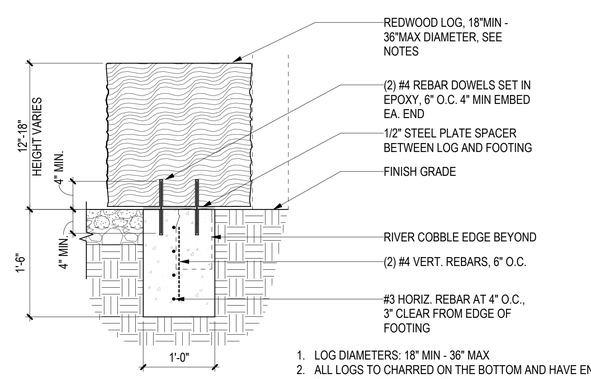
5 STONE FIRE RING

1 1/2" = 1'-0"



3 PATH LIGHT

1" = 1'-0"



1. LOG DIAMETERS: 18" MIN - 36" MAX
2. ALL LOGS TO CHARRED ON THE BOTTOM AND HAVE END GRAIN SEALER ON THE TOP
3. BARK TO BE REMOVED BEFORE PLACING LOGS
4. GRIND AND SAND ANY ROUGH SURFACE TO PREVENT ROUGH SPOTS AND SPLINTERS
5. TOP EDGES TO BE EASED; ALL BRANCHES REMOVED
6. LOG CROSS-CUTS AND LAYOUT TO BE FIELD VERIFIED BY LANDSCAPE ARCHITECT
7. CROSS-CUT SIZING AS FOLLOWS:
   A. TYPE A: 12" HIGH
   B. TYPE B: 18" HIGH

COUNCIL RING ASSEMBLY NOTES. REFER TO L2.02 FOR LAYOUT

1
L2.02

1 CAMPFIRE CENTER COOKIE

1" = 1'-0"

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LA#6467
Signature
2/28/2028
Renewal Date
10/1/2026
Date
STATE OF CALIFORNIA

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

SITE DETAILS

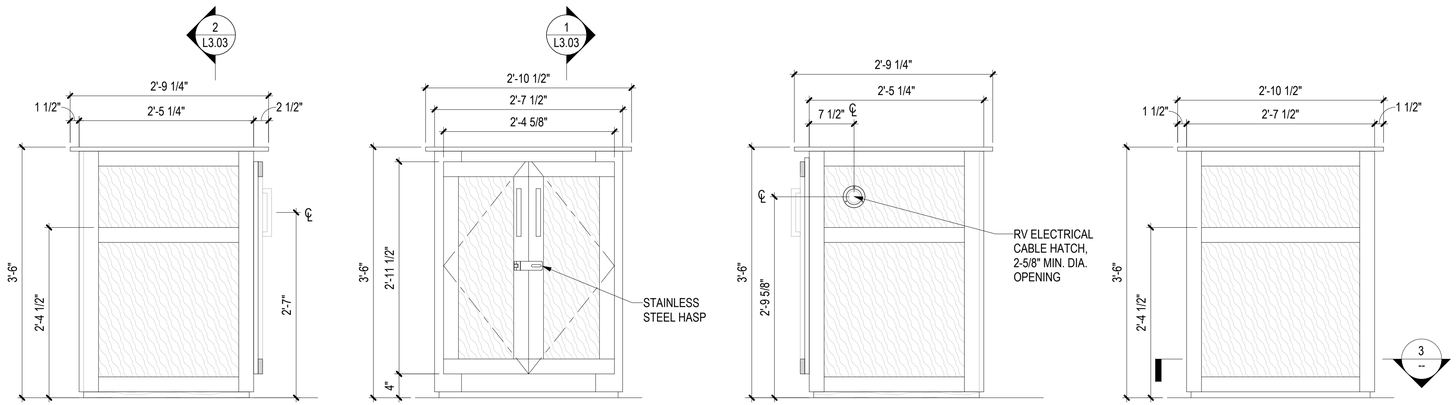
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Project Milestone: CONSTRUCTION DOCUMENTS

V2

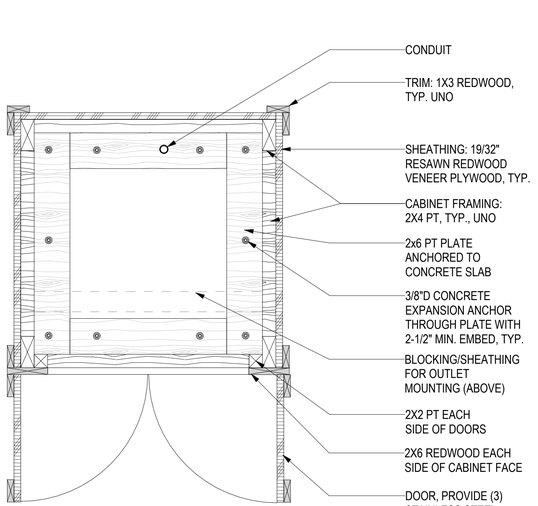
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6 PROJECTOR PODIUM

1" = 1'-0"

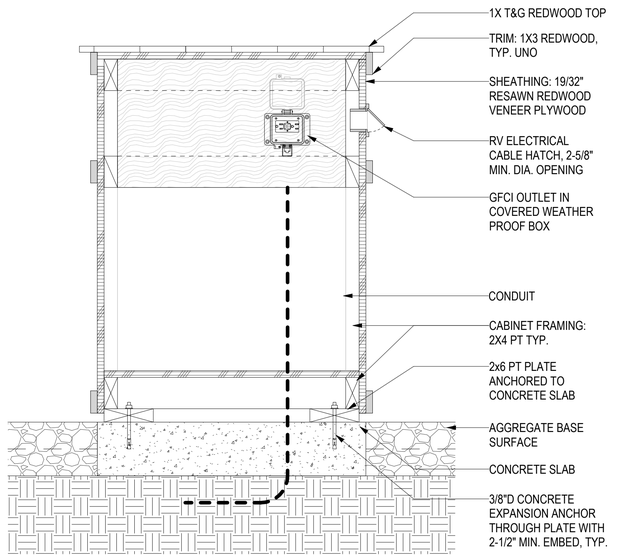
0 6" 1' 2' 3'
1" = 1'-0"



4 PROJECTOR PODIUM

1 1/2" = 1'-0"

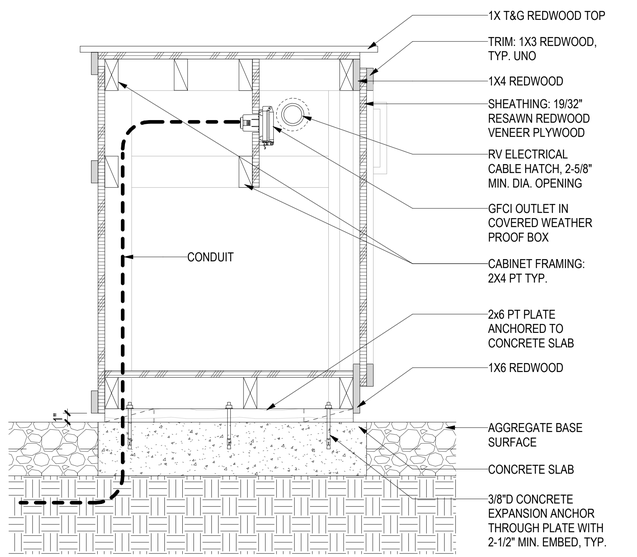
0 3" 6" 1' 2'
1 1/2" = 1'-0"



2 PROJECTOR PODIUM

1 1/2" = 1'-0"

0 3" 6" 1' 2'
1 1/2" = 1'-0"



1 PROJECTOR PODIUM

1 1/2" = 1'-0"

0 3" 6" 1' 2'
1 1/2" = 1'-0"

FACILITIES &
DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LATAS
Signature
2/28/2028
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

SITE DETAILS

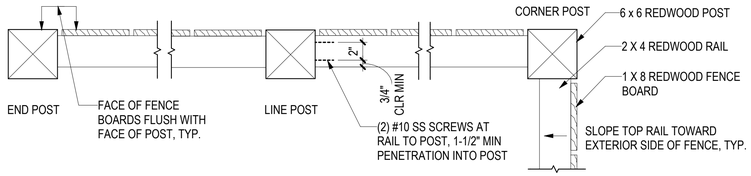
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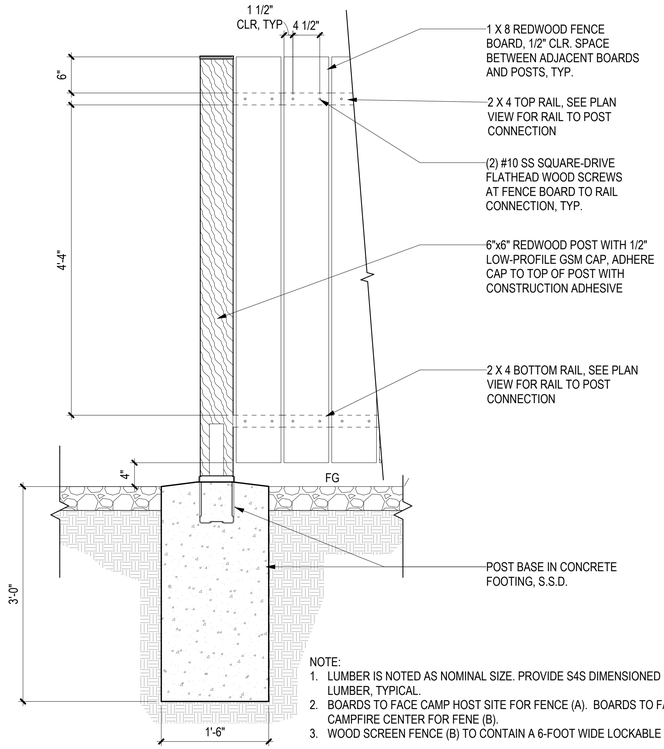


6 WOOD SCREEN FENCE - PLAN

1 1/2" = 1'-0"

0 3" 6" 1' 2'

1 1/2" = 1'-0"



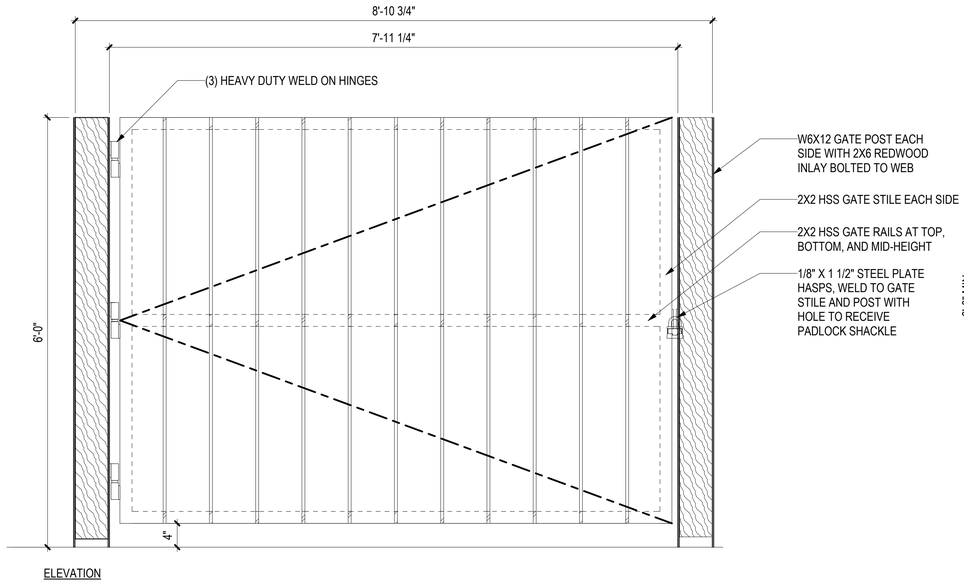
NOTE:
1. LUMBER IS NOTED AS NOMINAL SIZE. PROVIDE S4S DIMENSIONED LUMBER, TYPICAL.
2. BOARDS TO FACE CAMP HOST SITE FOR FENCE (A). BOARDS TO FACE CAMPFIRE CENTER FOR FENE (B).
3. WOOD SCREEN FENCE (B) TO CONTAIN A 6-FOOT WIDE LOCKABLE GATE

5 WOOD SCREEN FENCE A - ELEVATION

1" = 1'-0"

0 6" 1' 2' 3'

1" = 1' - 0"



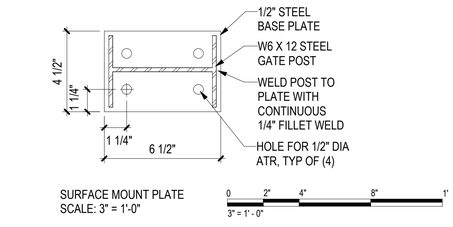
ELEVATION

3 WOOD SCREEN FENCE B - ELEVATION

1" = 1'-0"

0 6" 1' 2' 3'

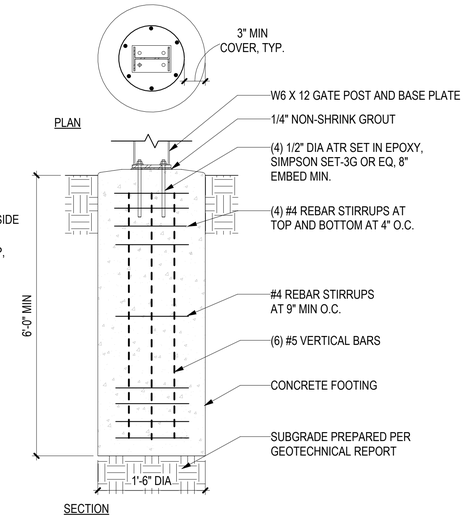
1" = 1' - 0"



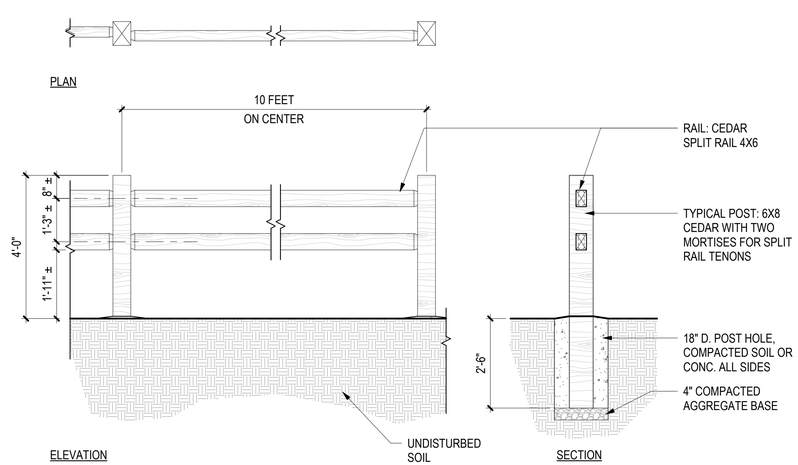
SURFACE MOUNT PLATE
SCALE: 3" = 1'-0"

0 2" 4" 8" 1'

3" = 1' - 0"



GATE POST FOOTING
SCALE: 1" = 1-0"

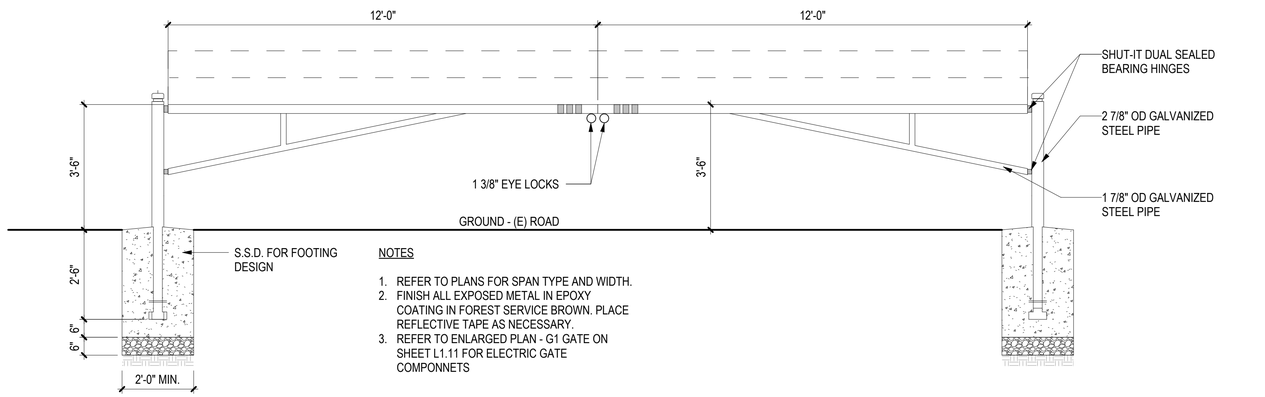


4 SPLIT RAIL FENCE

1/2" = 1'-0"

0 1' 2' 4' 6'

1/2" = 1' - 0"



NOTES

1. REFER TO PLANS FOR SPAN TYPE AND WIDTH.
2. FINISH ALL EXPOSED METAL IN EPOXY COATING IN FOREST SERVICE BROWN. PLACE REFLECTIVE TAPE AS NECESSARY.
3. REFER TO ENLARGED PLAN - G1 GATE ON SHEET L1.11 FOR ELECTRIC GATE COMPONNETS

1 22' SWING GATE

1/2" = 1'-0"

0 1' 2' 4' 6'

1/2" = 1' - 0"

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

LICENSED LANDSCAPE ARCHITECT
DEBRA DAWN GUENTHER LAVAE
Signature
2/28/2028
Renewal Date
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

SITE DETAILS

2422700

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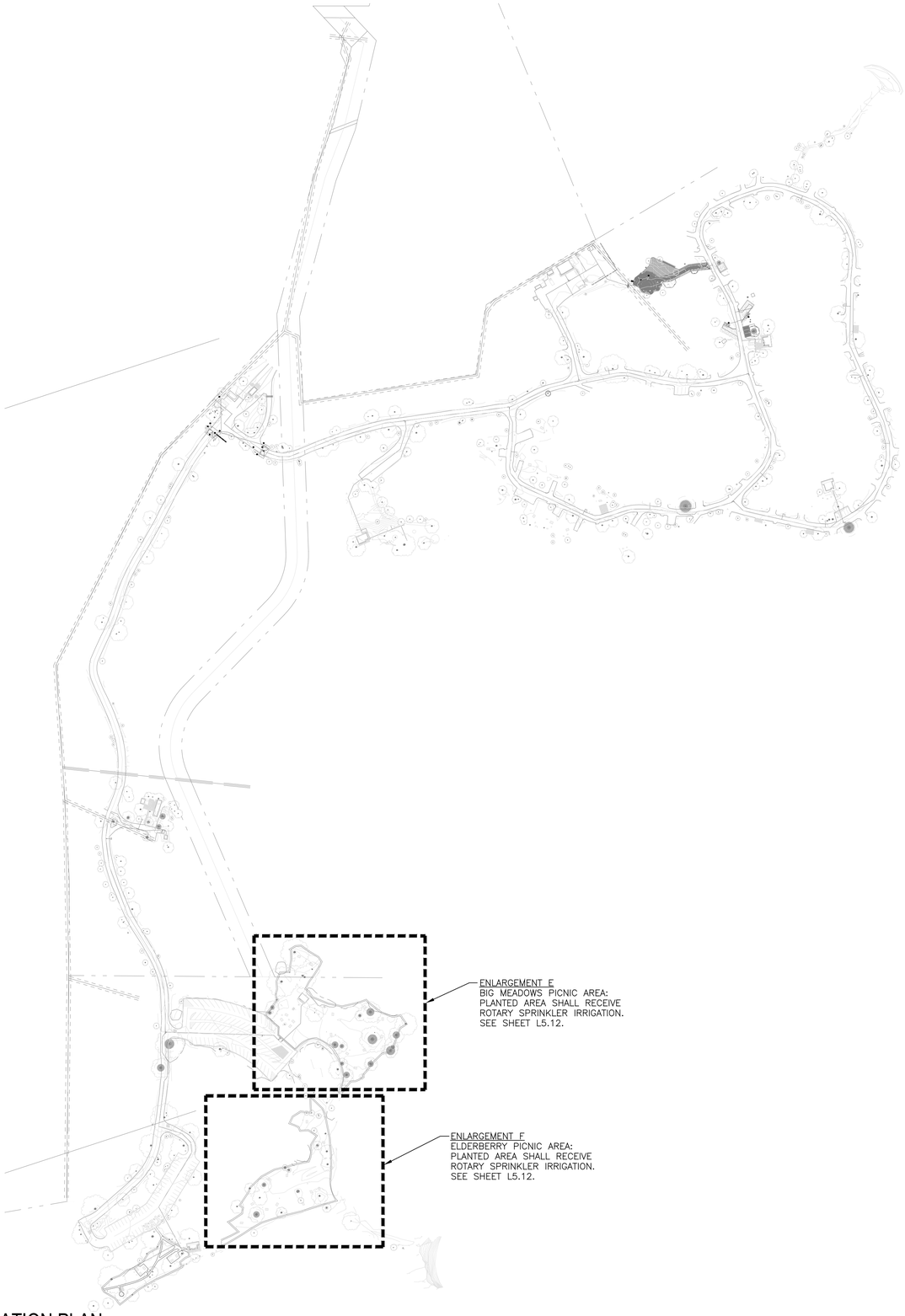
L3.04

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Project Milestone: CONSTRUCTION DOCUMENTS

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1 OVERALL SITE IRRIGATION PLAN
1" = 160'-0"

N

FACILITIES &
DEVELOPMENT DIVISION

MITHŪN

MARTIN DICKSON
PROFESSIONAL IRRIGATION CONSULTANT
AMERICAN SOCIETY OF
IRRIGATION CONSULTANTS
Number: PR1026
Date: 10/02/2026

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

OVERALL SITE IRRIGATION PLAN

2422700

SHEET NO.
L5.00
39 OF 56

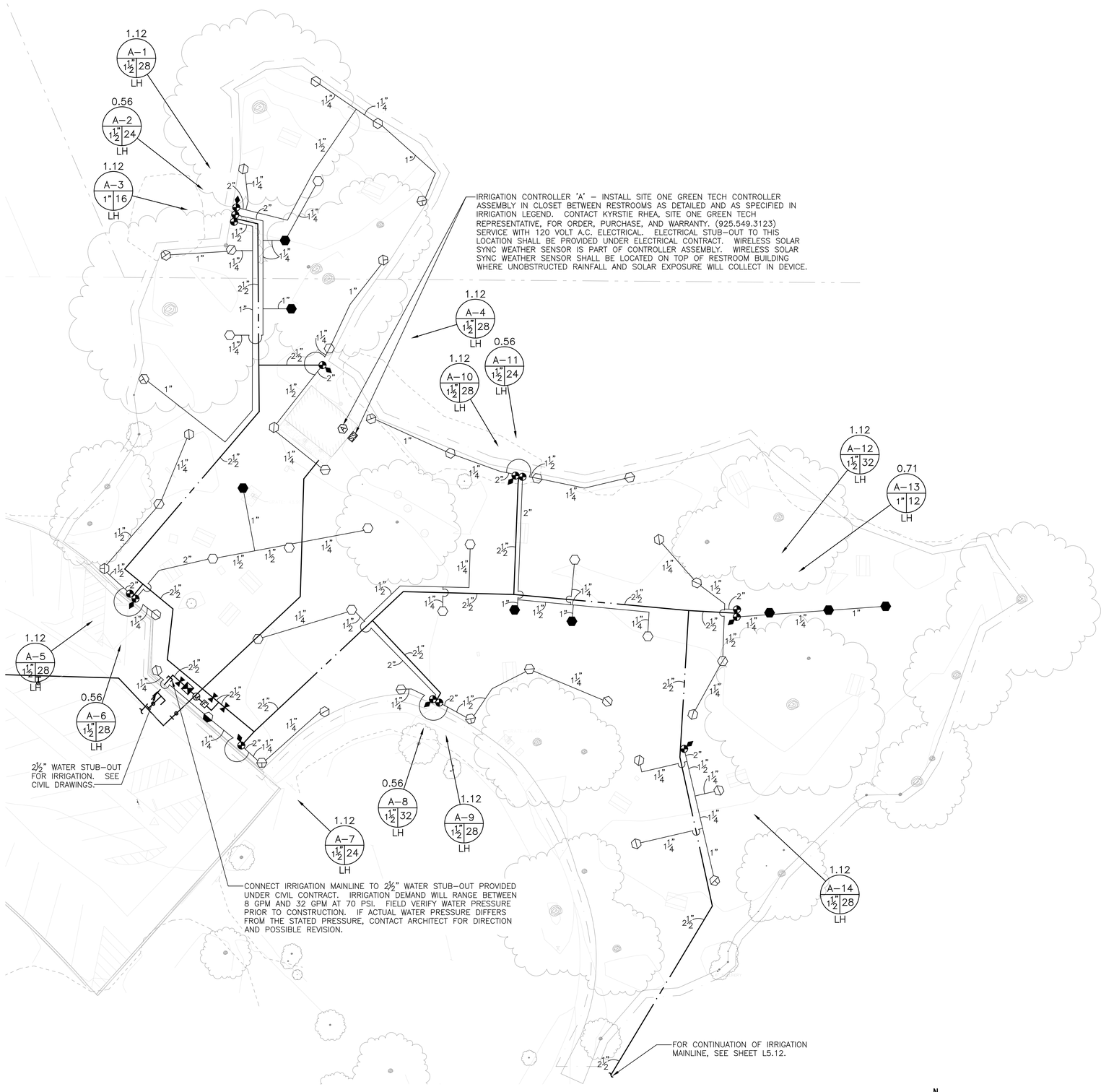
UNDERGROUND SERVICE ALERT
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DICKSON & ASSOCIATES, INC.
LANDSCAPE IRRIGATION
(530) 547-5515 www.dicksoninc.net
P.O. BOX 415
PALO CEDRO, CALIFORNIA 96073
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Project Milestone: CONSTRUCTION DOCUMENTS

V2

Autodesk Docs://2422700 - Caswell Memorial State Park/CASWELL_LA.rvt



1 IRRIGATION PLAN ENLARGEMENT - BIG MEADOWS PICNIC AREA
1" = 20'-0"

INSTALLATION OF THE IRRIGATION SYSTEM WILL REQUIRE TRENCHING UNDER THE CANOPY OF EXISTING TREES. DESIGN TEAM AND ARBORIST TO MEET ON SITE TO FIELD VERIFY THE PROPOSED IRRIGATION LAYOUT. IRRIGATION PLAN ON THIS SHEET IS PRELIMINARY. HEADS AND LINES SHOWN ON THIS PLAN WILL BE ADJUSTECD TO MINIMIZE TREE IMPACTS, THE IRRIGATION SYSTEM MAY NOT PROVIDE TRUE HEAD TO HEAD SPRAY COVERAGE. STATE ARBORIST WILL BE REQUIRED TO BE ON SITE DURING TRENCHING.

N

0 10' 20' 40' 60'
1" = 20'

NOTE:
1. IRRIGATION SCOPE INCLUDES NEW BACKFLOW PREVENTER, CONTROLLER AND OVERHEAD IRRIGATION FOR ALL AREAS SHOWN HATCHED.
2. REFER TO CIVIL DRAWINGS FOR DOMESTIC WATER POINT OF CONNECTION.
3. GRASS, SHRUBS, AND HARDSCAPE DAMAGED DUE TO IRRIGATION IMPROVEMENTS TO BE REPAIRED AND REPLACED.
4. TRENCHING REQUIRED WITHIN THE ROOT ZONE OF EXISTING TREES SHALL BE DONE BY HAND OR AIR SPAIDED AS OBSERVED BY AN ON SITE ARBORIST. ROOTS GREATER THAN 2" SHALL NOT BE CUT.

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MITHŪN

ASLA FOUNDED 1905
MARTIN DICKSON
PROFESSIONAL IRRIGATION CONSULTANT
AMERICAN SOCIETY OF IRRIGATION CONSULTANTS
Number: PR1026
Date: 10/02/2026

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION

CERTIFICATION Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND ECREATION, NORTHERN SERVICE CENTER

DESIGNED	MD
DRAWN	ABD
CHECKED	MD
DATE	01/30/26

△ REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ENLARGEMENT E - BIG MEADOWS PICNIC AREA IRRIGATION PLAN

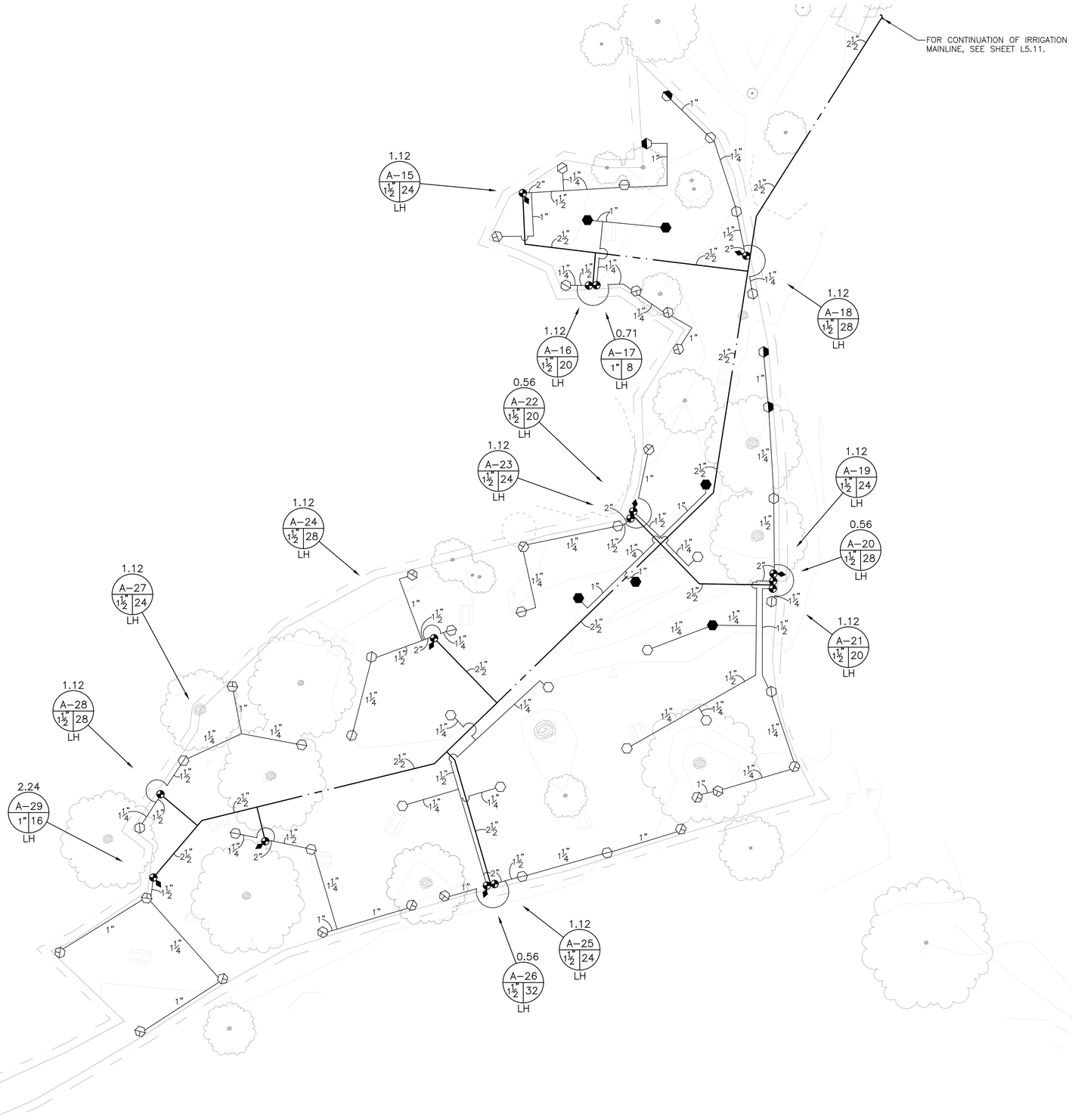
2422700

SHEET NO.
L5.11
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Project Milestone: CONSTRUCTION DOCUMENTS

V2

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1 IRRIGATION PLAN ENLARGEMENT - ELDERBERRY PICNIC AREA
1" = 20'-0"

INSTALLATION OF THE IRRIGATION SYSTEM WILL REQUIRE TRENCHING UNDER THE CANOPY OF EXISTING TREES. DESIGN TEAM AND ARBORIST TO MEET ON SITE TO FIELD VERIFY THE PROPOSED IRRIGATION LAYOUT. IRRIGATION PLAN ON THIS SHEET IS PRELIMINARY. HEADS AND LINES SHOWN ON THIS PLAN WILL BE ADJUSTECD TO MINIMIZE TREE IMPACTS, THE IRRIGATION SYSTEM MAY NOT PROVIDE TRUE HEAD TO HEAD SPRAY COVERAGE. STATE ARBORIST WILL BE REQUIRED TO BE ON SITE DURING TRENCHING.

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NOTE:
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3. GRASS, SHRUBS, AND HARDSCAPE DAMAGED DUE TO IRRIGATION IMPROVEMENTS TO BE REPAIRED AND REPLACED.
4. TRENCHING REQUIRED WITHIN THE ROOT ZONE OF EXISTING TREES SHALL BE DONE BY HAND OR AIR SPAIDED AS OBSERVED BY AN ON SITE ARBORIST. ROOTS GREATER THAN 2" SHALL NOT BE CUT.

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DATE	01/30/26

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No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS
ENLARGEMENT F - ELDERBERRY PICNIC AREA IRRIGATION PLAN

2422700

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L5.12
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IRRIGATION WATERING SCHEDULES

POP-UP FULL CIRCLE ROTOR IRRIGATION FOR HIGH WATER-USE LAWN														
SPRINKLER MANUFACTURER		RAIN BIRD		LOCATION:		RIPON, CALIFORNIA								
PRECIPITATION RATE (INCHES/HOUR):		0.56		HEAD SPACING:		VARIES								
IRRIGATION SYSTEM EFFICIENCY		0.75		HEAD GPM:		8								
PLANT FACTOR:		0.80												
YEAR 2 REDUCTION AMOUNT:		-10% OF YEAR 1 (ESTABLISHMENT) RUN TIME MINUTES												
MONTH:		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ETO PER MONTH (INCHES):		1.2	2.0	3.5	4.9	6.8	8.0	8.5	7.5	5.7	3.7	1.8	1.1	54.7
ETO PER WEEK (INCHES):		0.277	0.462	0.808	1.132	1.570	1.848	1.963	1.732	1.316	0.855	0.416	0.254	
APPLIED ETO PER WEEK (INCHES):		0.296	0.493	0.862	1.207	1.675	1.971	2.094	1.848	1.404	0.911	0.443	0.271	
MINUTES OF WATER PER WEEK:	YEAR 1	32	53	92	129	179	211	224	198	150	98	48	29	
	YEAR 2	29	48	83	116	162	190	202	178	135	88	43	26	
DAYS PER WEEK:	YEAR 1	1	1	2	3	4	4	4	4	3	2	1	1	
	YEAR 2	1	1	2	3	4	4	4	4	3	2	1	1	
MINUTES OF WATER PER DAY:	YEAR 1	32	53	46	43	45	53	56	49	50	49	48	29	
	YEAR 2	29	48	42	39	40	48	50	45	45	44	43	26	
CYCLES PER DAY:	YEAR 1	1	1	1	1	1	1	1	1	1	1	1	1	
	YEAR 2	1	1	1	1	1	1	1	1	1	1	1	1	
MINUTES PER CYCLE:	YEAR 1	32	53	46	43	45	53	56	49	50	49	48	29	
	YEAR 2	29	48	42	39	40	48	50	45	45	44	43	26	

POP-UP HALF-CIRCLE ROTOR IRRIGATION FOR HIGH WATER-USE LAWN														
SPRINKLER MANUFACTURER		RAIN BIRD		LOCATION:		RIPON, CALIFORNIA								
PRECIPITATION RATE (INCHES/HOUR):		1.12		HEAD SPACING:		VARIES								
IRRIGATION SYSTEM EFFICIENCY		0.75		HEAD GPM:		8								
PLANT FACTOR:		0.80												
YEAR 2 REDUCTION AMOUNT:		-10% OF YEAR 1 (ESTABLISHMENT) RUN TIME MINUTES												
MONTH:		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ETO PER MONTH (INCHES):		1.2	2.0	3.5	4.9	6.8	8.0	8.5	7.5	5.7	3.7	1.8	1.1	54.7
ETO PER WEEK (INCHES):		0.277	0.462	0.808	1.132	1.570	1.848	1.963	1.732	1.316	0.855	0.416	0.254	
APPLIED ETO PER WEEK (INCHES):		0.296	0.493	0.862	1.207	1.675	1.971	2.094	1.848	1.404	0.911	0.443	0.271	
MINUTES OF WATER PER WEEK:	YEAR 1	16	26	46	65	90	106	112	99	75	49	24	15	
	YEAR 2	14	24	42	58	81	95	101	89	68	44	21	13	
DAYS PER WEEK:	YEAR 1	1	1	2	3	4	4	4	4	3	2	1	1	
	YEAR 2	1	1	2	3	4	4	4	4	3	2	1	1	
MINUTES OF WATER PER DAY:	YEAR 1	16	26	23	22	22	26	28	25	25	24	24	15	
	YEAR 2	14	24	21	19	20	24	25	22	23	22	21	13	
CYCLES PER DAY:	YEAR 1	1	1	1	1	1	1	1	1	1	1	1	1	
	YEAR 2	1	1	1	1	1	1	1	1	1	1	1	1	
MINUTES PER CYCLE:	YEAR 1	16	26	23	22	22	26	28	25	25	24	24	15	
	YEAR 2	14	24	21	19	20	24	25	22	23	22	21	13	

POP-UP QUARTER CIRCLE ROTOR IRRIGATION FOR HIGH WATER-USE LAWN														
SPRINKLER MANUFACTURER		RAIN BIRD		LOCATION:		RIPON, CALIFORNIA								
PRECIPITATION RATE (INCHES/HOUR):		2.24		HEAD SPACING:		VARIES								
IRRIGATION SYSTEM EFFICIENCY		0.75		HEAD GPM:		4								
PLANT FACTOR:		0.80												
YEAR 2 REDUCTION AMOUNT:		-10% OF YEAR 1 (ESTABLISHMENT) RUN TIME MINUTES												
MONTH:		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ETO PER MONTH (INCHES):		1.2	2.0	3.5	4.9	6.8	8.0	8.5	7.5	5.7	3.7	1.8	1.1	54.7
ETO PER WEEK (INCHES):		0.277	0.462	0.808	1.132	1.570	1.848	1.963	1.732	1.316	0.855	0.416	0.254	
APPLIED ETO PER WEEK (INCHES):		0.296	0.493	0.862	1.207	1.675	1.971	2.094	1.848	1.404	0.911	0.443	0.271	
MINUTES OF WATER PER WEEK:	YEAR 1	8	13	23	32	45	53	56	49	38	24	12	7	
	YEAR 2	7	12	21	29	40	48	50	45	34	22	11	7	
DAYS PER WEEK:	YEAR 1	1	1	2	3	4	4	4	4	3	2	1	1	
	YEAR 2	1	1	2	3	4	4	4	4	3	2	1	1	
MINUTES OF WATER PER DAY:	YEAR 1	8	13	12	11	11	13	14	12	13	12	12	7	
	YEAR 2	7	12	10	10	10	12	13	11	11	11	11	7	
CYCLES PER DAY:	YEAR 1	1	1	1	1	1	1	1	1	1	1	1	1	
	YEAR 2	1	1	1	1	1	1	1	1	1	1	1	1	
MINUTES PER CYCLE:	YEAR 1	8	13	12	11	11	13	14	12	13	12	12	7	
	YEAR 2	7	12	10	10	10	12	13	11	11	11	11	7	

POP-UP FULL CIRCLE ROTOR IRRIGATION FOR HIGH WATER-USE LAWN														
SPRINKLER MANUFACTURER		RAIN BIRD		LOCATION:		RIPON, CALIFORNIA								
PRECIPITATION RATE (INCHES/HOUR):		0.71		HEAD SPACING:		VARIES								
IRRIGATION SYSTEM EFFICIENCY		0.75		HEAD GPM:		4								
PLANT FACTOR:		0.80												
YEAR 2 REDUCTION AMOUNT:		-10% OF YEAR 1 (ESTABLISHMENT) RUN TIME MINUTES												
MONTH:		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ETO PER MONTH (INCHES):		1.2	2.0	3.5	4.9	6.8	8.0	8.5	7.5	5.7	3.7	1.8	1.1	54.7
ETO PER WEEK (INCHES):		0.277	0.462	0.808	1.132	1.570	1.848	1.963	1.732	1.316	0.855	0.416	0.254	
APPLIED ETO PER WEEK (INCHES):		0.296	0.493	0.862	1.207	1.675	1.971	2.094	1.848	1.404	0.911	0.443	0.271	
MINUTES OF WATER PER WEEK:	YEAR 1	25	42	73	102	142	167	177	156	119	77	37	23	
	YEAR 2	22	37	66	92	127	150	159	141	107	69	34	21	
DAYS PER WEEK:	YEAR 1	1	1	2	3	4	4	4	4	3	2	1	1	
	YEAR 2	1	1	2	3	4	4	4	4	3	2	1	1	
MINUTES OF WATER PER DAY:	YEAR 1	25	42	36	34	35	42	44	39	40	39	37	23	
	YEAR 2	22	37	33	31	32	37	40	35	36	35	34	21	
CYCLES PER DAY:	YEAR 1	1	1	1	1	1	1	1	1	1	1	1	1	
	YEAR 2	1	1	1	1	1	1	1	1	1	1	1	1	
MINUTES PER CYCLE:	YEAR 1	25	42	36	34	35	42	44	39	40	39	37	23	
	YEAR 2	22	37	33	31	32	37	40	35	36	35	34	21	

NOTES:
THE CHARTS ARE INTENDED TO BE USED AS A GUIDELINE ONLY AND INDICATE APPROXIMATE RUN TIMES (IN MINUTES) FOR EACH ZONE BASED ON ESTIMATED WEEKLY WATER REQUIREMENTS FOR ESTABLISHED PLANT MATERIAL. THE FIGURES SHOWN IN THIS SCHEDULE ARE APPROXIMATE AND HAVE BEEN DEVELOPED FROM LOCAL CURRENT AVERAGES FOR EVAPOTRANSPIRATION, AND REFLECT MAXIMUM IRRIGATION REQUIREMENTS OF THE PLANT MATERIAL BASED ON PLANT TYPE AND SPACING. 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, ETC.

IRRIGATION NOTES

1. THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS WHERE POSSIBLE. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC., WHICH MAY BE REQUIRED. THE CONTRACTOR IS REQUIRED TO INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES WHICH MAY NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. IN THE EVENT OF FIELD DIFFERENCES, THE CONTRACTOR IS REQUIRED TO PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATION. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH ALL APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING, STRUCTURE, ETC., BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REQUIRED REVISIONS.

2. THE CONTRACTOR SHALL EXERCISE CARE IN LOCATING PIPING AS TO NOT CONFLICT WITH OTHER UTILITIES. DO NOT INSTALL IRRIGATION PIPING PARALLEL TO AND DIRECTLY OVER OTHER UTILITIES.

3. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.

4. IT IS THE RESPONSIBILITY OF THE LANDSCAPE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM THE IRRIGATION CONTROLLERS 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 AND SLOPES, SUN, SHADE, AND WIND EXPOSURES.

5. AT THE END OF THE REQUIRED MAINTENANCE PERIOD OF THE CONTRACTOR, THE OWNER SHALL PROVIDE REGULAR MAINTENANCE OF THE IRRIGATION SYSTEM TO ENSURE THE EFFICIENT USE OF WATER. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO CHECKING, ADJUSTING, AND REPAIRING IRRIGATION EQUIPMENT AND CONTROL SYSTEM.

6. THE IRRIGATION SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. THE IRRIGATION CONTRACTOR SHALL 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.

7. IRRIGATION DEMAND WILL RANGE BETWEEN 8 GPM AND 32 GPM AT 70 PSI STATIC PRESSURE AT IRRIGATION POINT OF CONNECTION. FIELD VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF ACTUAL WATER PRESSURE DIFFERS FROM THE STATED PRESSURE CONTACT ARCHITECT FOR DIRECTION AND POSSIBLE REVISION.

8. 120 VOLT A.C. (2.5 AMP DEMAND) ELECTRICAL SERVICE TO IRRIGATION CONTROLLER LOCATION TO BE PROVIDED UNDER ELECTRICAL CONTRACT WORK. IRRIGATION CONTRACTOR TO MAKE FINAL CONNECTION FROM ELECTRICAL STUB-OUTS TO CONTROLLERS AND PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S INSTRUCTIONS.

9. CONTROLLER SHALL HAVE ITS OWN GROUND ROD. THE GROUND ROD SHALL BE AN EIGHT FOOT LONG BY 5/8" DIAMETER U.L. APPROVED COPPER CLAD ROD. NO MORE THAN 6" OF THE GROUND ROD TO BE ABOVE GRADE. CONNECT #6 GAUGE WIRE WITH A U.L. APPROVED GROUND ROD CLAMP TO ROD AND BACK TO GROUND SCREW AT BASE OF CONTROLLERS WITH APPROPRIATE CONNECTOR. THIS WIRE SHOULD BE AS SHORT AS POSSIBLE, AVOIDING ANY KINKS OR BENDING. GROUND ROD SHALL BE A MINIMUM OF EIGHT FEET (8') FROM IRRIGATION CONTROL WIRE BUNDLE.

10. IRRIGATION CONTROLLER TO HAVE ITS OWN INDEPENDENT 24 VOLT COMMON GROUND WIRE.

11. CONTROLLER PROGRAMMING:
   A. CONTRACTOR SHALL PROGRAM THE IRRIGATION CONTROLLERS TO PROVIDE IRRIGATION TO ALL PLANTING WITHIN THE ALLOWED WATERING WINDOW OF TIME AS REQUIRED. THE CONTRACTOR SHALL CREATE CONTROLLER PROGRAMMING THAT WILL NOT EXCEED THE MAXIMUM GALLONS PER MINUTE FLOW RATE STATED ON THE DRAWINGS, AND NOT EXCEED THE CAPACITY OF ANY MAINLINE PIPING.
   B. CONTRACTOR SHALL PROGRAM CONTROLLER TO MONITOR FLOW CONDITIONS AND RESPOND WITH CONTROL OF MASTER VALVE AND/OR RECORDING ALARM CONDITIONS FOR USE BY MAINTENANCE PERSONNEL.
   C. CONTRACTOR SHALL PROGRAM CONTROLLER TO OPERATE REMOTE CONTROL VALVES WITH A COLLECTIVE FLOW RATE OF 32 GALLONS PER MINUTE OR LESS. THE FLOW MANAGEMENT FEATURES OF THE CONTROLLER SHALL BE PROGRAMMED TO LIMIT THE MAXIMUM FLOW RATE.

12. IRRIGATION CONTROL WIRES SHALL BE COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND, SIZE #14-1. COMMON GROUND WIRE SHALL HAVE WHITE INSULATING JACKET. CONTROL WIRE SHALL HAVE INSULATING JACKET OF COLOR OTHER THAN WHITE. SPLICE SHALL BE MADE WITH 3M-DBR/Y-6 SEAL PACKS.

13. FLOW SENSOR CABLE SHALL BE A SOLID COPPER SHIELDED PAIR CABLE, SIZE #16. NO SPLICES ALLOWED.

14. INSTALL SPARE CONTROL WIRE OF A DIFFERENT COLOR ALONG THE ENTIRE MAINLINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES. MINIMUM OF ONE SPARE WIRE PER CONTROLLER.

15. SPLICING OF 24 VOLT WIRES IS NOT PERMITTED EXCEPT IN VALVE BOXES. SEAL WIRE SPLICES WITH 3M-DBR/Y-6 SPLICE SEALING DEVICES OF SIZE COMPATIBLE WITH WIRE SIZE. LEAVE A 36" LONG, 1" DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN. TAPE WIRES TOGETHER EVERY TEN FEET. TAPING WIRES IS NOT REQUIRED INSIDE SLEEVES.

16. PLASTIC VALVE BOXES AND LIDS ARE TO BE BLACK IN COLOR WITH BOLT DOWN, NON-HINGED COVER MARKED "IRRIGATION". BOX BODY SHALL HAVE KNOCK OUTS. MANUFACTURER SHALL BE RAIN BIRD.

17. INSTALL REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, LAWN, HEADER BOARD, BUILDING, OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB, LAWN, ETC. AND EACH BOX SHALL BE 12" APART. SHORT SIDE OF RECTANGULAR VALVE BOXES SHALL BE PARALLEL TO WALK, CURB, ETC. ONE REMOTE CONTROL VALVE PER BOX, NO EXCEPTIONS.

18. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUNDCOVER/SHRUB AREAS WHERE POSSIBLE (NOT IN LAWN AREA).

19. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.

20. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE DRAWINGS.

21. ALL IRRIGATION PIPING THAT IS NOT A DIRECT LINE TO TREES SHALL BE A MINIMUM FIVE (5) FEET FROM CENTER OF TREE.

22. WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATION IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR SHALL BE DONE BY HAND. TRENCHES ADJACENT TO TREE SHOULD BE CLOSED WITHIN TWENTY-FOUR (24) HOURS; AND WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE SHALL BE KEPT SHADED WITH BURLAP OR CANVAS.

23. IRRIGATION CONTRACTOR TO NOTIFY ALL LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW PREVENTION DEVICE.

24. PRESSURE TEST PROCEDURE. THE CONTRACTOR SHALL:
   A. NOTIFY ARCHITECT AT LEAST THREE (3) DAY IN ADVANCE OF TESTING.
   B. PERFORM TESTING AT HIS OWN EXPENSE.
   C. CENTER LOAD PIPING WITH SMALL AMOUNT OF BACKFILL TO PREVENT ARCHING OR SLIPPING UNDER PRESSURE. NO FITTING SHALL BE COVERED.
   D. APPLY THE FOLLOWING TESTS AFTER WELD PLASTIC PIPE JOINTS HAVE CURED AT LEAST 24 HOURS.
      1. TEST LIVE (CONSTANT PRESSURE) AND QUICK COUPLER LINE HYDROSTATICALLY AT 125 PSI MINIMUM. LINES WILL BE APPROVED IF TEST PRESSURE IS MAINTAINED FOR SIX (6) HOURS. THE LINE WILL BE APPROVED OR NOT APPROVED AS SUCH RESULTS MAY INDICATE. THE CONTRACTOR SHALL MAKE TESTS AND REPAIRS AS NECESSARY UNTIL TEST CONDITIONS ARE MET.
      2. TEST RCV CONTROLLED LATERAL LINES WITH WATER AT LINE PRESSURE AND VISUALLY INSPECT FOR LEAKS. RETEST AFTER CORRECTING DEFECTS.

25. PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL T+2, CHRISTY'S ULTRA SEAL, OR APPROVED EQUAL.

26. RECORD DRAWINGS:
   A. THE CONTRACTOR SHALL MAINTAIN IN GOOD ORDER IN THE FIELD OFFICE ONE COMPLETE SET OF BLACK LINE PRINTS OF ALL IRRIGATION DRAWINGS WHICH FORM A PART OF THE CONTRACT, SHOWING ALL WATER LINES, HEADS, VALVES, CONTROLLERS AND STUB-OUTS. IN THE EVENT ANY WORK IS NOT INSTALLED AS INDICATED ON THE DRAWINGS, SUCH WORK SHALL BE CORRECTED AND DIMENSIONED ACCURATELY FROM THE BUILDING WALLS.
   B. ALL UNDERGROUND STUB-OUTS FOR FUTURE CONNECTIONS AND VALVES SHALL BE LOCATED AND DIMENSIONED ACCURATELY FROM BUILDING WALLS ON ALL RECORD DRAWINGS.
   C. UPON COMPLETION OF THE WORK, OBTAIN REPRODUCIBLE PRINTS FROM ARCHITECT AND NEATLY CORRECT THE PRINTS TO SHOW THE AS-BUILT CONDITIONS.

27. FINE TUNE IRRIGATION SYSTEM TO PROVIDE COMPLETE AND UNIFORM COVERAGE OF THE LANDSCAPE WHILE AVOIDING RUNOFF OF WATER ONTO NON-IRRIGATED AREAS, PAVED AND OTHERWISE. THIS INCLUDES PROGRAMMING THE CONTROLLER RUN TIMES FOR OPTIMIZING SOIL INFILTRATION WITH OUT PUDDLING OR RUNOFF.

28. WARRANTY:
   A. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FILL AND REPAIR ALL NECESSARY PLANTING DUE TO THE SETTLEMENT OF IRRIGATION TRENCHES FOR ONE YEAR FOLLOWING COMPLETION AND ACCEPTANCE OF THE JOB.
   B. THE CONTRACTOR SHALL ALSO WARRANTY ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FURNISHED BY HIM TO BE FREE OF ALL DEFECTS OF WORKMANSHIP AND MATERIALS, AND SHALL AGREE TO REPLACE AT HIS EXPENSE, AT ANY TIME WITHIN ONE YEAR AFTER INSTALLATION IS ACCEPTED, ANY AND ALL DEFECTIVE PARTS THAT MAY BE FOUND.

29. AN IRRIGATION AUDIT REPORT BY A DISINTERESTED 3RD PARTY SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING THE INDEPENDENT AUDITOR.

30. PRODUCT AVAILABILITY: SUPPLY CHAIN VOLATILITY CAN IMPACT CONSTRUCTION. CONTRACTOR SHALL ORDER MATERIALS IN ADVANCE OF SCHEDULED NEED TO ALLOW FOR DELIVERY OF IRRIGATION MATERIALS. IF IRRIGATION MATERIALS ARE NOT OBTAINABLE WITHIN THE CONSTRUCTION SCHEDULE, CONTACT DESIGNER VIA RFI FOR DIRECTION AND APPROVED SUBSTITUTE PRODUCT.

IRRIGATION LEGEND

SYMBOL	MODEL NUMBER	DESCRIPTION
	5006-+-FC-SAM-PRS-8 (FULL CIRCLE-360°)	RAIN BIRD POP-UP ROTARY SPRINKLER (MEADOW)
	5006-+-PC-SAM-PRS-8 (PART-CIRCLE-180°)	RAIN BIRD POP-UP ROTARY SPRINKLER (MEADOW)
	5006-+-PC-SAM-PRS-4 (PART-CIRCLE-90°)	RAIN BIRD POP-UP ROTARY SPRINKLER (MEADOW)
	5006-+-FC-SAM-PRS-4 (FULL CIRCLE-360°)	RAIN BIRD POP-UP ROTARY SPRINKLER (MEADOW)
	5006-+-PC-SAM-PRS-4 (PART-CIRCLE-180°)	RAIN BIRD POP-UP ROTARY SPRINKLER (MEADOW)
	5006-+-PC-SAM-PRS-2 (PART-CIRCLE-90°)	RAIN BIRD POP-UP ROTARY SPRINKLER (MEADOW)
	3200200-2"	SUPERIOR NORMALLY CLOSED MASTER CONTROL VALVE
	FSI-T15-001-1½" / P7162D-A (PART OF CONTROLLER EQUIPMENT PKG)	CREATIVE SENSOR TECHNOLOGY FLOW SENSOR WITH PAIGE ELECTRIC COMMUNICATION CABLE (SEE CONTROLLER DESCRIPTION)
	PESB-SERIES / LT-T	RAIN BIRD REMOTE CONTROL VALVE / KBI SCHEDULE 80 PVC FULL PORT BALL VALVE
	33DRC	RAIN BIRD QUICK COUPLING VALVE
	T-113-LF	NIBCO GATE VALVE - LEAD FREE (LINE SIZE)
	975XL2-2"	WILKINS REDUCED PRESSURE BACKFLOW ASSEMBLY (LEAD FREE)
A SSI	CA16-HU4-30 / HWSS / LPP / GTFS-150-1½" / P7162D-A / GR-K / FAN	SITE ONE GREEN TECH CONTROLLER ASSEMBLY WITH HUNTER ACC2 CONTROLLER IN A WALL MOUNT STAINLESS STEEL STRONG BOX ENCLOSURE WITH WIRELESS SOLAR SYNC SENSOR ASSEMBLY (HWSS), LINE PRIMARY PROTECTION (LPP), CST FLOW SENSOR (GTFS-150), PAIGE ELECTRIC COMMUNICATION CABLE (P7162D-A), ALL EARTH GROUNDING EQUIPMENT (GR-K), AND ENCLOSURE FAN (FAN). CONTACT KYRSTIE RHEA, SITE ONE GREEN TECH REPRESENTATIVE, FOR ORDER, PURCHASE, WARRANTY, AND PRE-CONSTRUCTION MEETING. (925-549-3123) PRIOR TO INSTALLATION OF IRRIGATION CONTROLLER AND ASSOCIATED COMPONENTS CONTACT CHRISTINE HAWKINS, HUNTER INDUSTRIES, (650-288-5308) WITH QUESTIONS REGARDING CONTROLLER COMPONENTS, INSTALLATION, WIRING, WIRE SPLICING, AS WELL AS PROGRAMMING OF CONTROLLER.



PRECIPITATION RATE

CONTROLLER & STATION NUMBER

APPROXIMATE FLOW (GPM)

REMOTE CONTROL VALVE SIZE

HYDROZONE - PLANT TYPE / WATER REQUIREMENT
LH - LAWN / HIGH WATER-USE

MAINLINE: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT-WELD FITTINGS. 18" COVER. 24" COVER UNDER VEHICULAR PAVING.

LATERAL LINE: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT-WELD FITTINGS. 12" COVER. 24" COVER UNDER VEHICULAR PAVING.

SLEEVING: 1120-SCHEDULE 40 PVC PLASTIC PIPE. COVER TO BE AS INDICATED IN SPECIFICATIONS OR AS INDICATED ABOVE FOR PIPE DEPTH OF COVER.

VALVE BOXES AND LIDS SHALL BE BLACK IN COLOR.

I have complied with the criteria of the Water Efficient Landscape Ordinance and applied them for the efficient use of water in the Irrigation Design Plan.

Marty Dickson 10/02/2026

Marty Dickson, ASIC-PIC — Date

Irvine Finch/A/JOB/25-506/ L-IRR / L5.30 /SYMBOL SIZE: NTS /06-25-2026 ABD

CALIFORNIA STATE PARKS SINCE 1864

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

ASIC CERTIFIED FOUNDED 1972
MARTIN DICKSON
PROFESSIONAL IRRIGATION CONSULTANT
AMERICAN SOCIETY OF IRRIGATION CONSULTANTS
Number: PR1028
Date: 10/02/2026

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION

CERTIFICATION Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

DESIGNED	MD
DRAWN	ABD
CHECKED	MD
DATE	01/30/26

REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

IRRIGATION LEGEND, NOTES, AND WATERING SCHEDULES

2422700

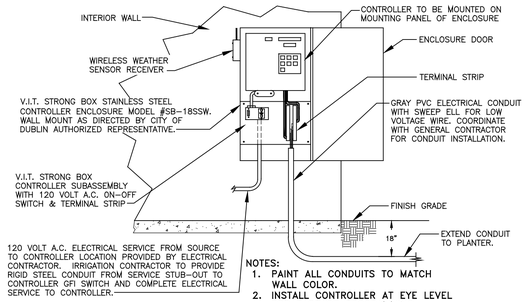
SHEET NO.
L5.30
42 OF 56

V2

Project Milestone: CONSTRUCTION DOCUMENTS

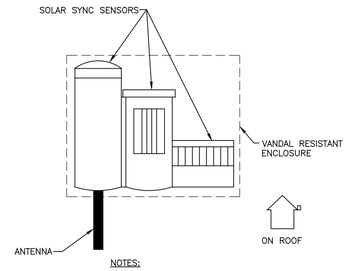
Autodesk Docs://2422700 - Caswell Memorial State Park/CASWELL_LA.rvt

DICKSON & ASSOCIATES, INC.
LANDSCAPE IRRIGATION
(530) 547-5515 www.dicksoninc.net
P.O. BOX 415
PALO CEDRO, CALIFORNIA 96073
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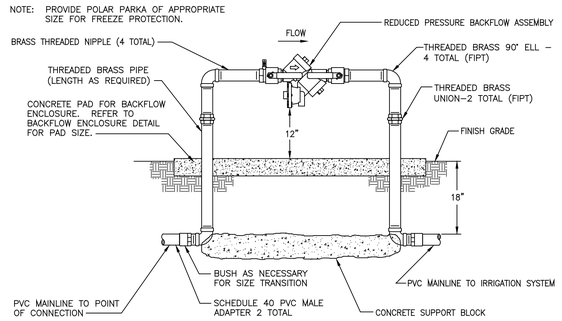
NOTES:
1. PAINT ALL CONDUITS TO MATCH WALL COLOR.
2. INSTALL CONTROLLER AT EYE LEVEL FOR EASE OF PROGRAMMING.

INTERIOR WALL MOUNT CONTROLLER
NOT TO SCALE

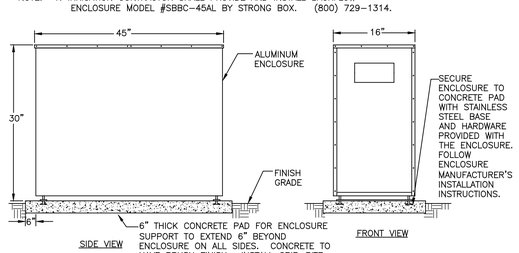


NOTES:
1. INSTALL SOLAR SYNC SYSTEM AT A FIELD DETERMINED LOCATION.
2. INSTALL SENSOR IN A VANDAL RESISTANT ENCLOSURE.

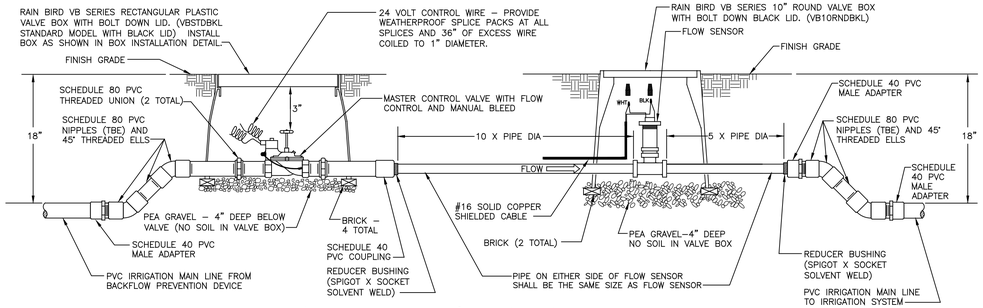
WIRELESS SOLAR SYNC SENSOR
NOT TO SCALE



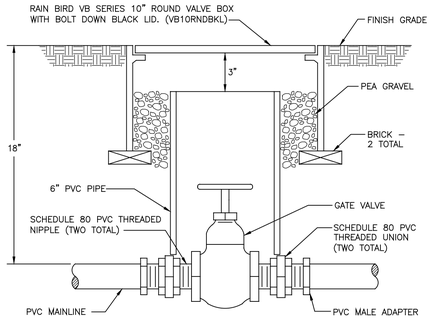
REDUCED PRESSURE BACKFLOW ASSEMBLY
NOT TO SCALE



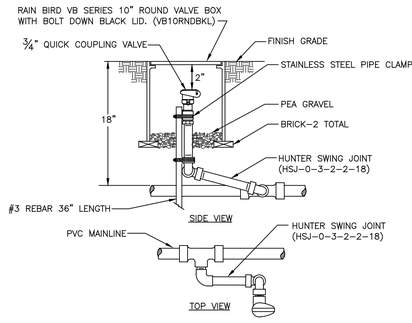
BACKFLOW PREVENTER ENCLOSURE
NOT TO SCALE



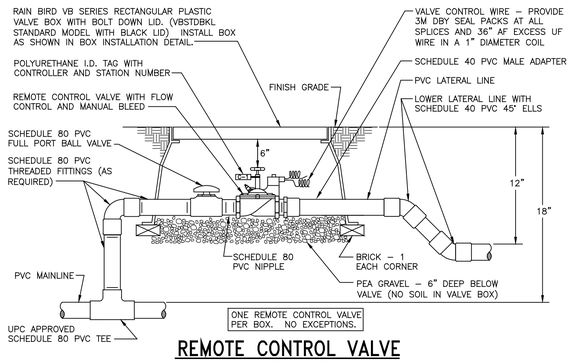
MASTER VALVE / FLOW SENSOR
NOT TO SCALE



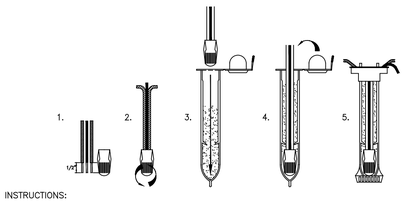
GATE VALVE
NOT TO SCALE



QUICK COUPLING VALVE
NOT TO SCALE

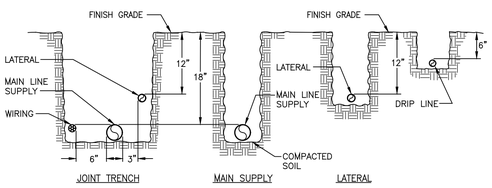


REMOTE CONTROL VALVE
NOT TO SCALE



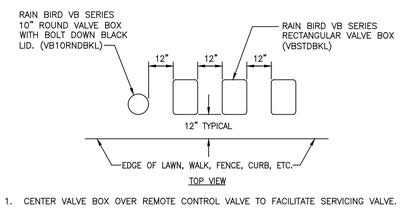
INSTRUCTIONS:
1. USE 3M–DBR/Y–6 WEATHER PROOF SPLICE.
2. STRIP WIRES APPROXIMATELY 1/2" (12.7 MM) TO EXPOSE WIRE.
3. TWIST CONNECTOR AROUND WIRES CLOCKWISE UNTIL HAND TIGHT, DO NOT OVERTIGHTEN.
4. INSERT WIRE ASSEMBLY INTO PLASTIC TUBE UNTIL WIRE CONNECTOR SNAPS PAST LIP IN BOTTOM OF TUBE.
5. PLACE WIRES WHICH EXIT TUBE IN WIRE EXIT HOLES AND CLOSE CAP UNTIL IT SNAPS.
6. INSPECT FINAL SPLICE ASSEMBLY TO ENSURE THE SEAL IS COMPLETE AND SECURE.

WEATHERPROOF SPLICE ASSEMBLY
NOT TO SCALE



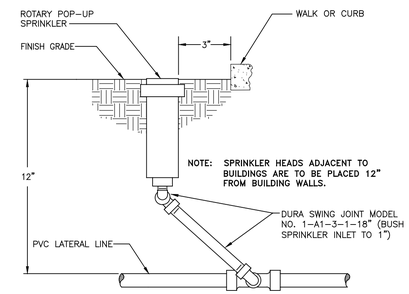
NOTES:
1. ALL PLASTIC PIPING SHALL BE INSTALLED IN THE TRENCH IN A SERPENTINE MANNER AS PER THE MANUFACTURER'S SPECIFICATIONS.
2. ALL SUPPLY LINES TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
3. TAPE AND BUNDLE TUBING OR WIRING AT 10 FEET INTERVALS.
4. ALL 120 VOLT WIRING IN CONDUIT TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.
5. BACKFILL MATERIAL SHALL BE THE EARTH EXCAVATED FROM THE TRENCHES, FREE FROM ROCKS, CONCRETE CHUNKS, AND OTHER FOREIGN OR COARSE MATERIALS. CAREFULLY SELECT BACKFILL THAT IS TO BE PLACED NEXT TO PLASTIC PIPE TO AVOID ANY SHARP OBJECTS WHICH MAY DAMAGE THE PIPE.

TRENCHING DETAIL
NOT TO SCALE



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 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.

VALVE BOX INSTALLATION
NOT TO SCALE



ROTARY SPRINKLER RISER (LAWN)
NOT TO SCALE

CALIFORNIA STATE PARKS SINCE 1864
FACILITIES & DEVELOPMENT DIVISION
MITHŪN
ASLA FOUNDED 1899
MARTIN DICKSON
PROFESSIONAL IRRIGATION CONSULTANT
AMERICAN SOCIETY OF IRRIGATION CONSULTANTS
Number: PR1026
Date: 10/02/2026

DPR ACCESS COMPLIANCE REVIEW
ACCESSIBILITY SECTION

CERTIFICATION Date

ACCESSIBILITY COMPLIANCE AND STATE FIRE MARSHAL SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS AND RECREATION, NORTHERN SERVICE CENTER

DESIGNED	MD
DRAWN	ABD
CHECKED	MD
DATE	01/30/26

REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

IRRIGATION DETAILS

2422700

SHEET NO.
L5.40
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Project Milestone: CONSTRUCTION DOCUMENTS
V2

Autodesk Docs://2422700 - Caswell Memorial State Park/CASWELL_LA.rvt

GENERAL REQUIREMENTS - SECTION 01 00 00

CONTRACTOR RESPONSIBILITIES

UNLESS EXPLICITLY STATED IN THESE CONSTRUCTION DOCUMENTS, BY NOTE OR CLARIFICATION LETTER, THE ENTIRE SCOPE OF WORK REPRESENTED BY THESE DOCUMENTS SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

THESE CONSTRUCTION DOCUMENTS REPRESENT THE DESIGN INTENT OF THE DESIGN TEAM BASED ON DIMENSIONS OF EXISTING SITE AND/OR FIELD CONDITIONS. ACTUAL CONDITIONS MAY REQUIRE MODIFICATIONS OF THE CONSTRUCTION DETAILS TO ACHIEVE THE DESIGN INTENT. CONTRACTOR SHALL NOTIFY THE STATE'S REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES RELATED TO EXISTING SITE AND/OR FIELD CONDITIONS PRIOR TO CONTINUING ANY WORK.

THE STRUCTURE HAS BEEN DESIGNED TO RESIST CODE REQUIRED VERTICAL AND LATERAL FORCES AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAS BEEN COMPLETED. STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR, THIS RESPONSIBILITY INCLUDES BUT IS NOT LIMITED TO JOB SITE SAFETY; ERECTION MEANS, METHODS, AND SEQUENCES; TEMPORARY SHORING, FORMWORK, AND BRACING; USE OF EQUIPMENT AND CONSTRUCTION PROCEDURES. PROVIDE ADEQUATE RESISTANCE TO LOADS ON THE STRUCTURES DURING CONSTRUCTION PER SEI/ASCE STANDARD NO. 37 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION." CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH DESIGN ASPECTS ONLY AND IS NOT INTENDED IN ANY WAY TO REVIEW THE CONTRACTOR'S CONSTRUCTION PROCEDURES.

DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. ANY DEVIATION FROM THE CONDITIONS SHOWN IN THESE CONSTRUCTION DOCUMENTS SHALL REQUIRE WRITTEN APPROVAL FROM THE STATE'S REPRESENTATIVE.

ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THESE GENERAL NOTES, BOOK SPECIFICATIONS (IF ANY), AND THE SITE CONDITIONS SHALL BE REPORTED TO THE STATE'S REPRESENTATIVE, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE GENERAL CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE GENERAL CONTRACTOR'S RISK.

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY. WORK REQUIRED TO BE DONE BY ONE DOCUMENT AND NOT BY OTHERS SHALL BE DONE AS IF REQUIRED BY ALL.

THE CONTRACTOR AND SUBCONTRACTOR SHALL MAKE NO STRUCTURAL SUBSTITUTIONS, CHANGES, OR MODIFICATIONS WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

CONTRACTORS AND SUBCONTRACTORS SHALL ENSURE THAT ALL WORK IS PERFORMED IN A PROFESSIONAL AND WORKMANLIKE MANNER BY SKILLED MECHANICS OF THE TRADE. SUBCONTRACTORS AND SUPPLIERS ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND COOPERATE FULLY WITH EACH OTHER DURING THE COURSE OF CONSTRUCTION TO DETERMINE THE EXACT EXTENT AND OVERLAP OF EACH OTHER'S WORK AND TO SUCCESSFULLY COMPLETE THE EXECUTION OF THE WORK IN A TIMELY MANNER.

UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS, NO STRUCTURAL MEMBER SHALL BE CUT, NOTCHED, BORED, OR OTHERWISE WEAKENED WITHOUT THE PERMISSION OF THE STRUCTURAL ENGINEER.

THE CONTRACTOR IS REQUIRED TO CONFORM WITH THE REQUIREMENTS OF ALL DETAILS PROVIDED, INCLUDING THOSE NOTED AS 'TYPICAL', REGARDLESS OF WHETHER THEY ARE SPECIFICALLY REFERENCED IN THE PLANS OR NOTES.

ALL WATERPROOFING, FLASHING, AND DRAINAGE ARE TO BE DESIGNED AND PROVIDED BY OTHERS.

COORDINATION BETWEEN DISCIPLINES

ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. CONSULTANT DRAWINGS BY OTHER DISCIPLINES ARE SUPPLEMENTARY TO ARCHITECTURAL DRAWINGS. REPORT DIMENSIONAL OMISSIONS OR DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND STRUCTURAL, MECHANICAL, ELECTRICAL OR CIVIL DRAWINGS TO ARCHITECT PRIOR TO PROCEEDING WITH WORK.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON STRUCTURAL PLANS AND DETAILS AND OVERALL LAYOUT OF STRUCTURAL PORTION OF WORK. SOME SECONDARY ELEMENTS ARE NOT DIMENSIONED SUCH AS: WALL CONFIGURATIONS (INCLUDING EXACT DOOR AND WINDOW LOCATIONS), ALCOVES, SLAB SLOPES AND DEPRESSIONS, CURBS, ETC. VERTICAL DIMENSIONAL CONTROL IS DEFINED BY ARCHITECTURAL WALL SECTIONS AND BUILDING SECTIONS. STRUCTURAL DETAILS SHOW DIMENSIONAL RELATIONSHIPS TO CONTROL DIMENSIONS DEFINED BY ARCHITECTURAL DRAWINGS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

REFERENCE STANDARDS - SECTION 01 42 19

ALL NEW WORK SHALL CONFORM TO THE FOLLOWING CODES:

- 2025 CALIFORNIA BUILDING CODE (2025 CBC), INCLUDING ALL APPLICABLE LOCAL JURISDICTION AMENDMENTS
- 2024 NATIONAL DESIGN STANDARD (2024 NDS)
- 2021 SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC (2021 SDPWS)
- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19)
- STEEL CONSTRUCTION MANUAL, 16th EDITION (AISC 360-22)
- SEISMIC DESIGN MANUAL, 3rd EDITION (AISC 341-22)
- BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402/602-22)

SHEET LIST (STRUCTURAL) - SECTION 00 01 15

SHEET NUMBER	SHEET NAME
S0.00	GENERAL NOTES
S0.01	SPECIAL INSPECTIONS
S1.00	SITE PLAN
S2.00	FOUNDATION DETAILS

PROJECT INFORMATION - SECTION 01 10 00

ENGINEER OF RECORD:
DOUGLAS GADOW, SE
LINCHPIN STRUCTURAL ENGINEERING
530.563.6341 EXT. 801

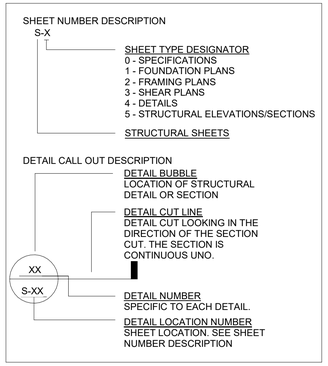
PROJECT MANAGER:
ERIC RADEMACHER
LINCHPIN STRUCTURAL ENGINEERING
530.563.6341 EXT. 804

PROJECT DESCRIPTION:

THE PROJECT IS THE IMPROVEMENTS TO FACILITIES AT AN EXISTING STATE RECREATION AREA.

ABBREVIATIONS:

AB	- ANCHOR BOLT	LSL	- LAMINATED STRAND LUMBER
ABH	- HEAVY DUTY ANCHOR BOLT	LVL	- LAMINATED VENEER LUMBER
ABV	- ABOVE	LWT	- LIGHTWEIGHT
ADDL	- ADDITIONAL	MAX	- MAXIMUM
ADJ	- ADJACENT	MECH	- MECHANICAL
ARCH	- ARCHITECTURAL	MF	- MOMENT FRAME
AYC	- ALASKAN YELLOW CEDAR	MFR	- MANUFACTURER
BLKG	- BLOCKING	MIN	- MINIMUM
BLW	- BELOW	MISC	- MISCELLANEOUS
BM	- BEAM	(N)	- NEW
BN	- BOUNDARY NAIL	NS	- NEAR SIDE
BOS	- BOTTOM OF SHEATHING	OC	- ON CENTER
BP	- BUTTON PUNCH	OF	- OUTER FACE
BTWN	- BETWEEN	OH	- OPPOSITE HAND
CJ	- CONSTRUCTION JOINT	OPNG	- OPENING
CL	- CENTERLINE	OWSJ	- OPEN WEB STEEL JOIST
COL	- COLUMN	PAF	- POWDER ACTUATED FASTENERS
CONC	- CONCRETE	PARA	- PARALLEL
CONT	- CONTINUOUS	PERP	- PERPENDICULAR
CVG	- CONTINUOUS VERTICAL GRAIN	PL	- PLATE
DIAM	- DIAMETER	PLF	- POUNDS PER LINEAR FOOT
DF	- DOUGLAS FIR	PLY	- PLYWOOD
DL	- DEAD LOAD	PSF	- POUNDS PER SQUARE FOOT
DN	- DOWN	PSL	- PARALLEL STRAND LUMBER
(E)	- EXISTING	PT	- PRESSURE TREATED
EA	- EACH	PW	- PUDDLE WELD
EN	- EDGE NAIL	REINF	- REINFORCEMENT
ENGR	- ENGINEER	REQ	- REQUIRED
EOR	- ENGINEER OF RECORD	SCHED	- SCHEDULE
ES	- EACH SIDE	SHTG	- SHEATHING
EQ	- EARTHQUAKE	SIM	- SIMILAR
EW	- EACH WAY	SL	- SNOW LOAD
EXT	- EXTERIOR	SMS	- SHEET METAL SCREW
FDN	- FOUNDATION	SOG	- SLAB ON GRADE
FF	- FINISH FLOOR	SQ	- SQUARE
FOS	- FACE OF STUD	STAG	- STAGGERED
FRMG	- FRAMING	STD HK	- STANDARD HOOK
FS	- FAR SIDE	STIFF	- STIFFENER
GA	- GAGE	STL	- STEEL
GALV	- GALVANIZED	SW	- SHEARWALL
GC	- GENERAL CONTRACTOR	SYM	- SYMMETRICAL
GLB	- GLUED LAMINATED BEAM	T&B	- TOP & BOTTOM
GYP	- GYPSUM BOARD	T&G	- TONGUE AND GROOVED
HD	- HOLDOWN	THRU	- THROUGH
HDG	- HOT-DIP GALVANIZED	TN	- TOE NAIL
HORIZ	- HORIZONTAL	TOS	- TOP OF STEEL
HSS	- HOLLOW STRUCTURAL SECTION	TOW	- TOP OF WALL
INT	- INTERIOR	TP	- TOP PLATE
INTR	- INTERMEDIATE	TS	- TUBE STEEL
INV	- INVERTED	TSW	- TOP SEAM WELD
K	- KIPS (1,000 LBS)	TYP	- TYPICAL
KP	- KING POST	UNO	- UNLESS NOTED OTHERWISE
KS	- KING STUD	VERT	- VERTICAL
LL	- LIVE LOAD	VIF	- VERIFY IN FIELD
LLV	- LONG LEG VERTICAL	VOP	- VERIFY OR PROVIDE
LLH	- LONG LEG HORIZONTAL	w/	- WITH
		WF	- WIDE FLANGE
		WL	- WIND LOAD
		WWR	- WELDED WIRE REINFORCEMENT



SUBMITTAL PROCEDURES - SECTION 01 33 00

SHOP DRAWINGS

THE FOLLOWING SHOP DRAWINGS/SUBMITTALS SHALL BE PROVIDED FOR REVIEW AND APPROVAL BY THE STATE REPRESENTATIVE AND THE STRUCTURAL ENGINEER PRIOR TO FABRICATION OR DELIVERY.

CONCRETE MIX DESIGNS	X
REINFORCING STEEL	X
STRUCTURAL STEEL	X

MIX DESIGNS

CONCRETE MIXES SHALL BE DESIGNED BY CONCRETE BATCH PLANT AND PROVIDED FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER. EACH MIX DESIGN SHALL INDICATE THE MIX TYPE AND LOCATION OF USE.

QUALITY REQUIREMENTS - SECTION 01 40 00

STANDARDS
ALL METHODS, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE 2025 CALIFORNIA BUILDING CODE (CBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION.

SPECIAL INSPECTION
SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE STATE FOR THE ITEMS IDENTIFIED IN THE SPECIAL INSPECTIONS SCHEDULE.

THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL.

DUTIES OF THE SPECIAL INSPECTOR:

a. THE SPECIAL INSPECTOR SHALL REVIEW ALL WORK LISTED BELOW FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AND THE CBC.
b. THE SPECIAL INSPECTOR SHALL FURNISH SPECIAL INSPECTION REPORTS TO THE STATE'S REPRESENTATIVE ON A WEEKLY BASIS, OR MORE FREQUENTLY AS REQUIRED BY THE BUILDING OFFICIAL. ALL ITEMS NOT IN COMPLIANCE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE STATE'S REPRESENTATIVE.
c. ONCE CORRECTIONS HAVE BEEN MADE BY THE CONTRACTOR, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE STATE'S REPRESENTATIVE STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AS WELL AS THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CBC.

DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR:

a. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE STATE'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK. IN ACCORDANCE WITH CBC 1704.4, THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED WITHIN THIS "STATEMENT OF SPECIAL INSPECTIONS".
b. THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOURS MINIMUM) BEFORE SUCH INSPECTION IS REQUIRED.
c. ALL WORK REQUIRING SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT HAS BEEN OBSERVED BY THE SPECIAL INSPECTOR.

SEE THE SPECIAL INSPECTION SCHEDULE FOR THE TYPES, EXTENTS AND FREQUENCY OF SPECIFIC ITEMS REQUIRING SPECIAL INSPECTIONS AND STRUCTURAL TESTS AS PART OF THIS PROJECT.

DESIGN CRITERIA - SECTION 01 00 01

RISK CATEGORY - II

LATERAL LOADS

WIND EXPOSURE CATEGORY		C
BASIC WIND SPEED, V		95 MPH
SEISMIC IMPORTANCE FACTOR, I_E		1.0
SITE CLASS		D
SEISMIC DESIGN CATEGORY		D
	S_S	0.95
	S_1	0.30
	S_{DS}	0.86
	S_{D1}	0.53

FOUNDATION LOADS (PER SOILS REPORT)

SOIL BEARING CAPACITY	2,000 PSF
SOIL SLIDING COEFFICIENT	0.30
PASSIVE BEARING PRESSURE	300 PSF/FT

GEOTECHNICAL DATA - SECTION 00 31 32

GEOTECHNICAL REPORT PROVIDER	GEOCON CONSULTANTS, INC.
REPORT DATE	12/17/2025
REPORT NUMBER	S2485-05-53 (DRAFT)

THE CONTRACTOR SHALL FOLLOW ALL RECOMMENDATIONS AND MEET ALL REQUIREMENTS AS NOTED IN THE PROJECT GEOTECHNICAL REPORT. ANY CONFLICTS BETWEEN REQUIREMENTS THEREIN AND THOSE NOTED IN STRUCTURAL SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF ALL PARTIES PRIOR TO THE BEGINNING OF ANY AFFECTED CONSTRUCTION.

FACILITIES & DEVELOPMENT DIVISION

MITHŪN®

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS L. GADOW
S 5096
STRUCTURAL
STATE OF CALIFORNIA
9/30/2026

DPR ACCESSIBILITY COMPLIANCE REVIEW
CERTIFICATION#
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CASp# Date:
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DESIGNED	ESR
DRAWN	ESR
CHECKED	
DATE	10/02/26

△ REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

GENERAL NOTES

2422700

SHEET NO.
S0.00
44 OF 56

LINCHPIN STRUCTURAL ENGINEERING
PROJECT No. 25-189

Project Milestone: CONSTRUCTION DOCUMENTS

V2

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SPECIAL INSPECTION SCHEDULE

AREAS REQUIRING SPECIAL INSPECTION:	INSPECTION		COMMENTS
STRUCTURAL STEEL (CBC 1705.2.1)			
PRIOR TO WELDING (TABLE N5.4-1, AISC 360-22):	QC	QA	O = OBSERVE, P = PERFORM
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O	
WPS AVAILABLE	P	P	
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P	
MATERIAL IDENTIFICATION	O	O	VERIFY TYPE AND GRADE OF MATERIAL
WELDER IDENTIFICATION SYSTEM	O	O	VERIFY THERE IS A SYSTEM IN PLACE TO IDENTIFY THE WELDER WHO HAS WELDED A JOINT OR MEMBER
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)	O	O	VERIFY: • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y- AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)	P	O	VERIFY • JOINT PREPARATIONS • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)
CONFIGURATION AND FINISH OF ACCESS HOLES	O	O	
FIT-UP OF FILLET WELDS	O	O	VERIFY: • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)
CHECK WELDING EQUIPMENT	O		
DURING WELDING (TABLE N5.4-2, AISC 360-22):	QC	QA	O = OBSERVE, P = PERFORM
USE OF QUALIFIED WELDERS	O	O	
CONTROL AND HANDLING OF WELDING CONSUMABLES	O	O	VERIFY: • PACKAGING • EXPOSURE CONTROL
NO WELDING OVER CRACKED TACK WELDS	O	O	
ENVIRONMENTAL CONDITIONS	O	O	VERIFY: • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURES
WPS FOLLOWED	O	O	VERIFY: • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN/MAX) • PROPER POSITION (F, V, H, OH) • INTERMIX OF FILLER MATERIALS AVOIDED UNLESS APPROVED
WELDING TECHNIQUES	O	O	VERIFY: • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P	
AFTER WELDING (TABLE N5.4-3, AISC 360-22):	QC	QA	O = OBSERVE, P = PERFORM
WELDS CLEANED	O	O	VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED
SIZE, LENGTH AND LOCATION OF WELDS	P	P	
WELDS MEET VISUAL ACCEPTANCE CRITERIA	P	P	VERIFY AND DOCUMENT: • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY
ARC STRIKES	P	P	
K-AREA	P	P	WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. OF THE WELD AND DOCUMENT
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES	P	P	AFTER THESE SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS
PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS	P	P	IF REQUIRED, DOCUMENT
BACKING REMOVED AND WELD TABS REMOVED	P	P	IF REQUIRED, DOCUMENT
REPAIR ACTIVITIES	P	P	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P	
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	O	O	
NONDESTRUCTIVE TESTING OF WELDED JOINTS (SECTION N5.5, AISC 360-22):			
CJP GROOVE WELD (RISK CATEGORY II)			ULTRASONIC TESTING SHALL BE PERFORMED BY QA ON 10% OF CJP GROOVE WELDS IN BUTT, T- AND CORNER JOINTS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING, IN MATERIALS 5/16" THICK OR GREATER. TESTING RATE FOR AN INDIVIDUAL WELDER MUST BE INCREASED TO 100% IF >5% OF WELDS HAVE UNACCEPTABLE DEFECTS.
WELDED JOINTS SUBJECT TO FATIGUE			WHEN REQUIRED BY APPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RADIOGRAPHIC OR ULTRASONIC INSPECTION SHALL BE TESTED BY QA AS PRESCRIBED.

SPECIAL INSPECTION SCHEDULE

AREAS REQUIRING SPECIAL INSPECTION:	INSPECTION		COMMENTS
CONCRETE CONSTRUCTION (CBC TABLE 1705.3)			
	CONTINUOUS	PERIODIC	FREQUENCY
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.		X	VERIFY SIZE, CLEARANCES, SPLICES, AND PROPER TIES
2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706 b. INSPECT WELDING OF REINFORCEMENT FOR SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS, AND COUPLING BEAMS c. INSPECT WELDED REINFORCEMENT SPLICES d. INSPECT WELDING OF PRIMARY TENSION REINFORCEMENT IN CORBELS e. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" f. INSPECT ALL OTHER WELDS.	 X X 	 X X X	
3. INSPECT ANCHORS CAST IN CONCRETE.			
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN A 4.A.	 X	 X	IN ACCORDANCE WITH APPROVED ICC-ES REPORT. PERIODIC INSPECTIONS ALLOWED IF STATED IN ES REPORT
5. VERIFY USE OF REQUIRED MIX DESIGN.		X	VERIFY MIX DESIGN MEETS STRENGTH AND EXPOSURE REQUIREMENTS LISTED ON APPROVED PLANS
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X		
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X		
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X	
9. INSPECT PRESTRESSED CONCRETE FOR: a. APPLICATION OF PRESTRESSING FORCE; AND b. GROUTING OF BONDED PRESTRESSING TENDONS.	 X X		
10. INSPECT ERECTION OF PRECAST MEMBERS.		X	
11. FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D E, OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR: a. INSTALLATION OF THE EMBEDDED PARTS b. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS c. COMPLETION OF CONNECTIONS IN THE FIELD	 X X X		
12. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS IN COMPLIANCE WITH ACI 550.5		X	
13. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.		X	
14. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X	

SOILS (CBC TABLE 1705.6)

	CONTINUOUS	PERIODIC	FREQUENCY
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X	PRIOR TO PLACEMENT OF CONCRETE
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X	PRIOR TO PLACEMENT OF COMPACTED FILL OR CONCRETE
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		X	CHECK CLASSIFICATION AND GRADATIONS AT EACH LIFT, NOT LESS THAN ONCE FOR EACH 10,000 FT2 °F SURFACE AREA
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X		DURING PLACEMENT AND COMPACTION OF COMPACTED FILL
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		X	PRIOR TO PLACEMENT OF CONCRETE

STATEMENT OF SPECIAL INSPECTION

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SEE THE SPECIAL INSPECTION SCHEDULE FOR THE TYPES, EXTENTS AND FREQUENCY OF SPECIFIC ITEMS REQUIRING SPECIAL INSPECTIONS AND STRUCTURAL TESTS AS PART OF THIS PROJECT.

CALIFORNIA STATE PARKS SINCE 1864
FACILITIES & DEVELOPMENT DIVISION
MITHŪN®

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS L. GLOOR
S 5096
STRUCTURAL
STATE OF CALIFORNIA
9/30/2026

DPR ACCESSIBILITY COMPLIANCE REVIEW
CERTIFICATION#
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CASp# Date:
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DRAWN	ESR
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DATE	10/02/26

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No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

SPECIAL INSPECTIONS

2422700

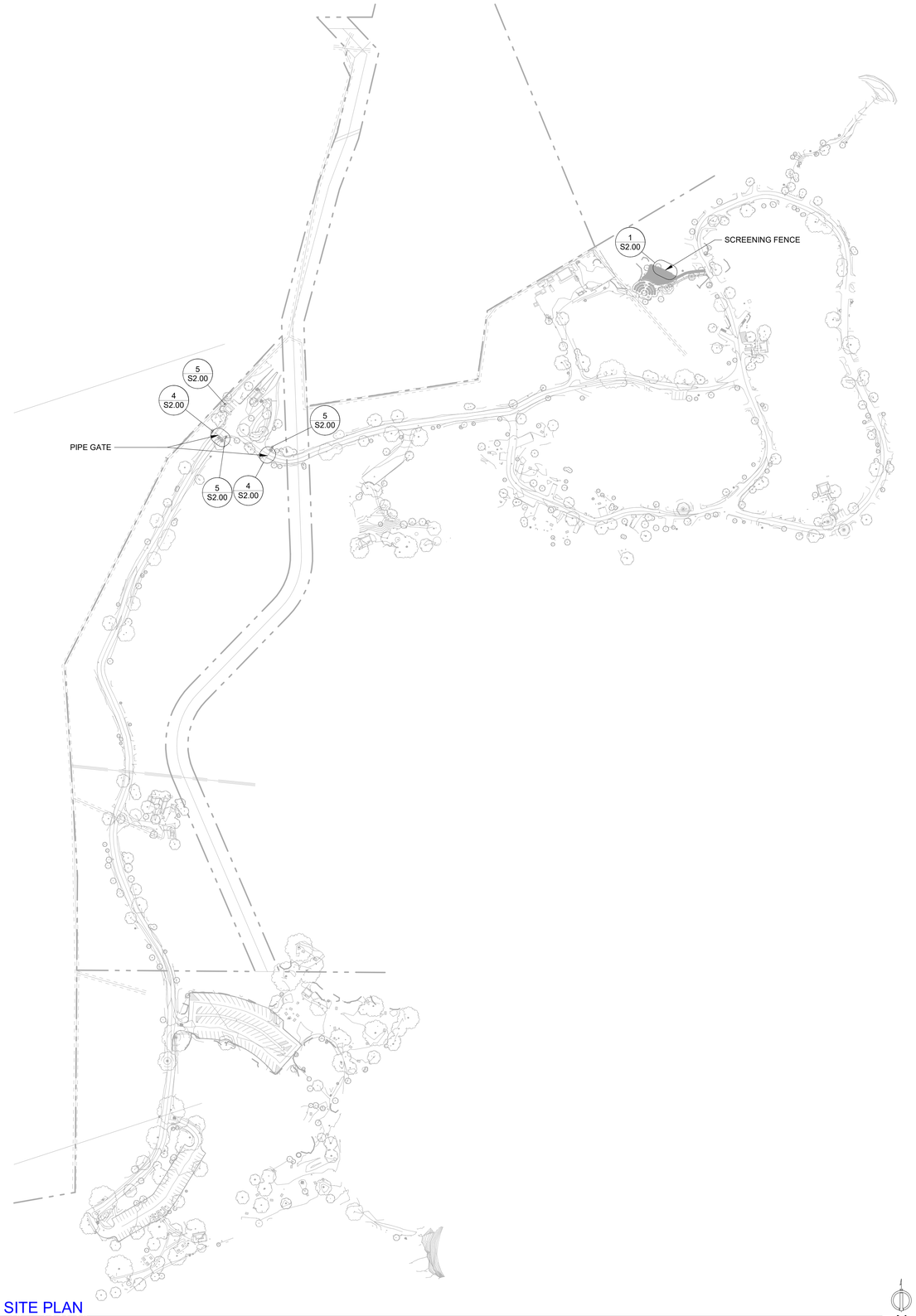
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LINCHPIN STRUCTURAL ENGINEERING
PROJECT No. 25-189

Project Milestone: CONSTRUCTION DOCUMENTS

V2

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A SITE PLAN
1" = 160'-0"

N

SITE PLAN NOTES

1) SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

2) SITE PLAN PROVIDED TO LOCATE STRUCTURAL WORK, SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.

CALIFORNIA STATE PARKS SINCE 1864

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

SITE PLAN

2422700

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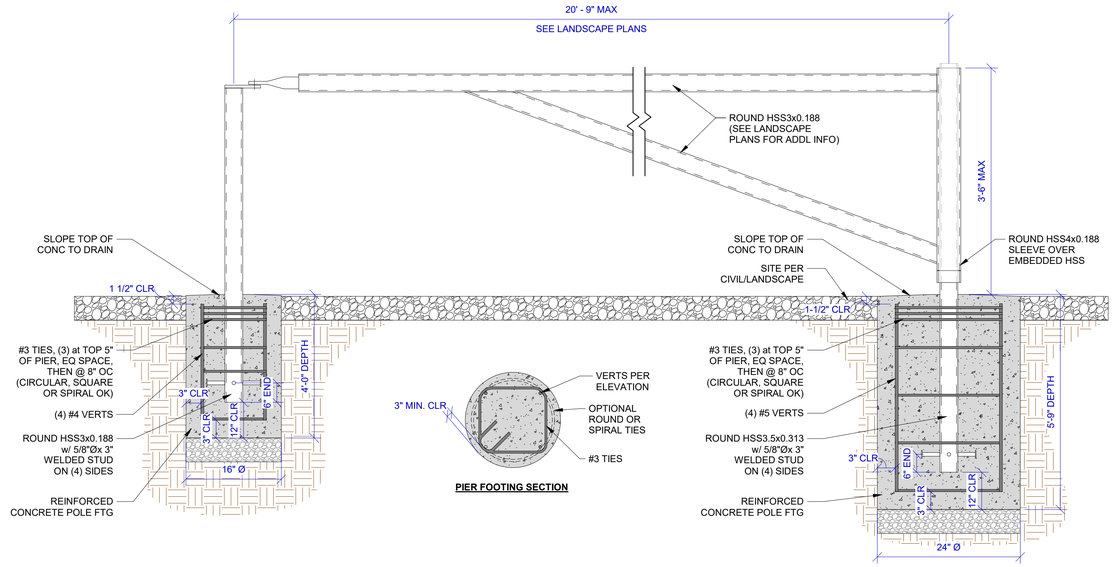
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LINCHPIN STRUCTURAL ENGINEERING
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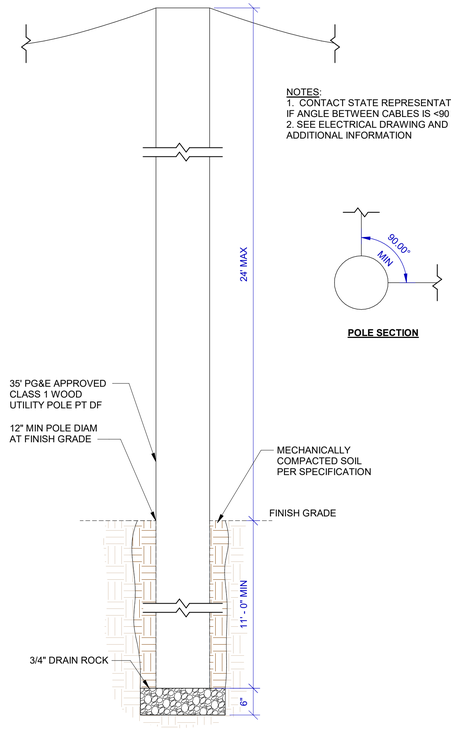
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4 PIPE GATE FOOTINGS
1" = 1'-0"



5 ELECTRICAL POLE
3/4" = 1'-0"

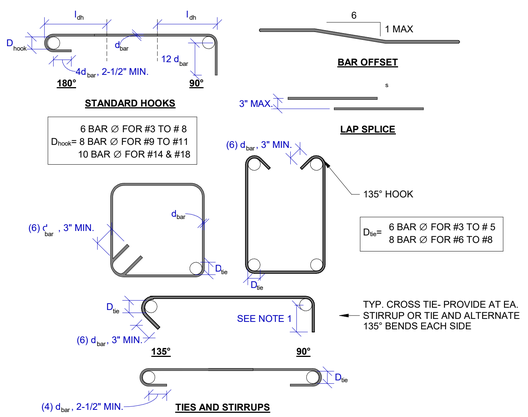
REINFORCING SPLICE, DEVELOPMENT AND HOOK LENGTH SCHEDULE

f'c = 4000 psi

BAR SIZE	MINIMUM LAP SPLICE LENGTHS (L_s) TOP BARS (1)(2)	MINIMUM LAP SPLICE LENGTHS (L_s) OTHER BARS (2)	MINIMUM DEVELOPMENT LENGTHS (L_d) TOP BARS (1)(2)	MINIMUM DEVELOPMENT LENGTHS (L_d) OTHER BARS (2)	MINIMUM EMBEDMENT LENGTH FOR STANDARD END HOOKS (L_{dh}) (3)
#3	25"	19"	19"	15"	8"
#4	33"	25"	25"	19"	10"
#5	41"	31"	31"	24"	12"
#6	49"	37"	37"	29"	15"
#7	71"	54"	54"	42"	17"
#8	81"	62"	62"	48"	19"
#9	91"	70"	70"	54"	22"
#10	102"	79"	79"	61"	25"

SPLICE, DEVELOPMENT AND HOOK LENGTH SCHEDULE NOTES:
1. "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.
2. STANDARD HOOK EMBEDMENT LENGTHS MAY BE REDUCED BY 30% WHEN A MINIMUM 2 1/2" COVER IS PROVIDED.
3. VALUES SHOWN ARE FOR NORMAL WEIGHT CONCRETE AND GRADE 60 (F_y=60 KSI) REINFORCEMENT.

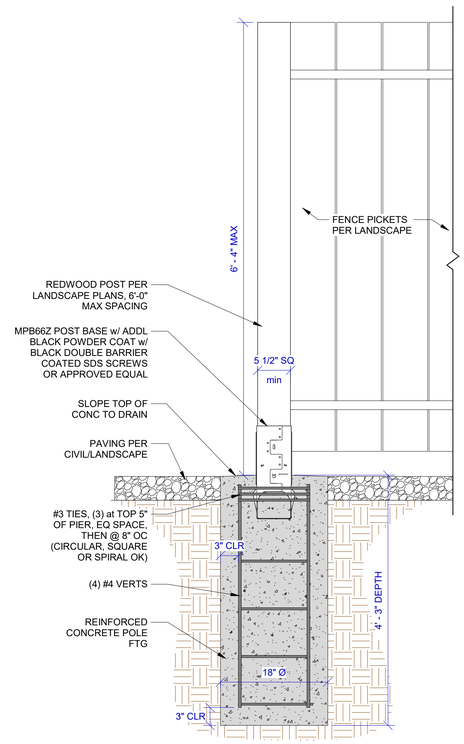
3 SPLICE, DEVELOPMENT AND HOOK LENGTHS
1" = 1'-0"



NOTES:
1) EXTENSION LENGTH FOR 90° HOOK IN FOR STIRRUPS/TIES/HOOPS (DIFFERENT FROM 90° STANDARD HOOK) IS AS FOLLOWS:
- #3 TO #5 BARS: 6d_{bar}, 3" MIN.
- #6 TO #8 BARS: 12d_{bar}

2) FOR SPLICE LENGTHS (l_s) AND DEVELOPMENT LENGTHS (l_{dh}), SEE 'SPLICE, DEVELOPMENT, AND HOOK LENGTH" DETAIL.

2 BENDS AND HOOKS FOR CONCRETE
1" = 1'-0"



1 SCREEN FENCE FOOTING
1" = 1'-0"

LINCHPIN STRUCTURAL ENGINEERING
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DRAWN	ESR
CHECKED	
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REVISIONS

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

FOUNDATION DETAILS

2422700

SHEET NO.
S2.00
47 OF 56

V2

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POWER SYMBOLS:

- (M) MOTOR OUTLET
- FUSED DISCONNECT SWITCH SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE
- HEAVY DUTY NON-FUSED DISCONNECT SWITCH SWITCH XX/XX = AMP SWITCH/POLES
- MOTOR STARTER
- COMBINATION MOTOR STARTER
- S_T MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
- T1 45KVA TRANSFORMER
- T TRANSFORMER
- G GENERATOR
- TRANSFER SWITCH
- M METER
- STATIONARY CIRCUIT BREAKER; RATING AS SHOWN ON PLANS
- SWITCH AND FUSE; RATING AS SHOWN ON PLANS
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- GROUND ROD IN GROUND WELL
- J, J JUNCTION BOX
- PC PHOTOCELL
- TC TIME CLOCK
- ST SHUNT TRIP
- CP CONTROL PANEL FURNISHED WITH EQUIPMENT
- 240V/208V/120V SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET
- 240V/208V/120V FLUSH MOUNTED PANELBOARD OR TERMINAL CABINET
- 480V/277V SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET
- 480V/277V FLUSH MOUNTED PANELBOARD OR TERMINAL CABINET
- GB WALL MOUNTED GROUND BAR

DESIGNATION SYMBOLS:

- A COLUMN LINE
- 150NG FEEDER DESIGNATION TAG
- 1 KEY NOTE TAG
- A / E1.1 DETAIL REFERENCE BUBBLE — DETAIL NUMBER — SHEET BEARING DETAIL
- EF 1 MOTOR DESIGNATION TAG
- A a 22 FIXTURE DESIGNATION
  UPPER CASE LETTER INDICATES LUMINAIRE TYPE
  LOWER CASE LETTER INDICATES SWITCH LEG
  NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)
- 22 NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)

CONDUIT SYMBOLS:

- CONDUIT INSTALLED CONCEALED ABOVE CEILINGS OR IN WALLS IN FINISHED AREAS OR EXPOSED IN UNFINISHED AREAS
- CONDUIT INSTALLED BELOW FINISHED FLOOR OR BELOW GRADE
- INDICATES CONDUIT TURNING UP
- INDICATES CONDUIT TURNING DOWN
- CONDUIT STUBBED OUT WITH BUSHING
- CONDUIT STUBBED OUT AND CAPPED
- FLEXIBLE CONDUIT WITH SINGLE POINT OF CONNECTION AT ELECTRICAL EQUIPMENT
- G GROUNDING CONDUCTOR
- CONDUIT HOMERUN; ROUTE TO PANELBOARD, CABINET, OR TERMINAL BOARD INDICATED, AND TERMINATE CONDUCTORS TO CIRCUIT OVER CURRENT PROTECTIVE DEVICE
- CONDUIT CHANGE IN ELEVATION

WIRING DEVICE SYMBOLS:

- 120V, SINGLE RECEPTACLE OUTLET
- 120V, SINGLE RECEPTACLE OUTLET; MOUNTED ABOVE COUNTER; FIELD VERIFY HEIGHT
- 120V, DUPLEX RECEPTACLE OUTLET
- 120V, DUPLEX RECEPTACLE OUTLET; MOUNTED ABOVE COUNTER; FIELD VERIFY HEIGHT
- 120V, QUADPLEX RECEPTACLE OUTLET
- 120V, QUADPLEX RECEPTACLE OUTLET; MOUNTED ABOVE COUNTER; FIELD VERIFY HEIGHT
- 120V, GFCI TYPE DUPLEX RECEPTACLE OUTLET
- 120V, GFCI TYPE DUPLEX RECEPTACLE OUTLET; MOUNTED ABOVE COUNTER; FIELD VERIFY HEIGHT
- WP 120V, DUPLEX RECEPTACLE GFCI WITH WEATHER PROOF COVER
- 120V, GFCI TYPE QUADPLEX RECEPTACLE
- 120V, GFCI TYPE QUADPLEX RECEPTACLE OUTLET; MOUNTED ABOVE COUNTER; FIELD VERIFY HEIGHT
- SINGLE SPECIAL PURPOSE RECEPTACLE, VOLTAGE AND NEMA RECEPTACLE TYPE AS NOTED
- SINGLE SPECIAL PURPOSE RECEPTACLE, VOLTAGE AND NEMA RECEPTACLE TYPE AS NOTED. MOUNTED ABOVE COUNTER; FIELD VERIFY HEIGHT
- DUPLEX SPECIAL PURPOSE RECEPTACLE, VOLTAGE AND NEMA RECEPTACLE TYPE AS NOTED
- DUPLEX SPECIAL PURPOSE RECEPTACLE, VOLTAGE AND NEMA RECEPTACLE TYPE AS NOTED. MOUNTED ABOVE COUNTER; FIELD VERIFY HEIGHT
- 120V, DUPLEX RECEPTACLE OUTLET, FLOOR MOUNTED
- 120V, QUADPLEX RECEPTACLE OUTLET, FLOOR MOUNTED
- 120V, DUPLEX RECEPTACLE OUTLET, CEILING MOUNTED
- 120V, SPECIAL PURPOSE RECEPTACLE, FLOOR MOUNTED
- S SINGLE POLE SWITCH
- S_2 DOUBLE POLE SWITCH
- S_3 3-WAY POLE SWITCH
- S_4 4-WAY POLE SWITCH
- S_K SINGLE POLE KEY OPERATED SWITCH
- S_D DIMMER SWITCH
- OS CEILING MOUNTED OCCUPANCY SENSOR
- OS WALL MOUNTED OCCUPANCY SENSOR

LIGHTING SYMBOLS:

- LED LIGHT FIXTURE AND OUTLET BOX
- LED LIGHT FIXTURE, OUTLET BOX, AND 90 MIN. BATTERY BACKUP
- DOWN-LIGHT FIXTURE AND OUTLET BOX
- WALL MOUNTED LIGHT FIXTURE AND OUTLET BOX
- WALL MOUNTED LIGHT FIXTURE AND OUTLET BOX
- CEILING MOUNTED STRIP LIGHT FIXTURE AND OUTLET BOX
- AREA LIGHTING POLE WITH FIXTURE(S)
- EMERGENCY BATTERY UNIT
- PENDANT FIXTURE
- EXIT SIGN; WALL MOUNTED; ARROWS AND FACES AS SHOWN ON PLANS
- EXIT SIGN; CEILING MOUNTED; ARROWS AND FACES AS SHOWN ON PLANS
- GROUND MOUNTED UPLIGHT
- TRACK LIGHTING

TELECOMMUNICATION SYMBOLS:

- TEL/DATA WALL OUTLET MOUNTED +18" AFF., U.O.N. WITH 1" C STUB OUT BACK TO DATA CABINET. DO NOT DAISY CHAIN TEL/DATA OUTLETS.
- TEL/DATA FLOOR OUTLET WITH 2" C STUB OUT BACK TO DATA CABINET/ACCESSIBLE CEILING SPACE.

FIRE ALARM SYMBOLS:

- FIRE ALARM SMOKE ALARM WITH BATTERY BACKUP

ABBREVIATIONS

A, AMP	AMPERE
AC	ALTERNATING CURRENT
ACT	ABOVE COUNTER TOP
AIC	AMPERE INTERRUPTING CAPACITY
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GROUND
ATS	AUTOMATIC TRANSFER SWITCH
AF	FRAME RATING IN AMPERES
AS	SWITCH RATING IN AMPERES
AT	TRIP RATING IN AMPERES
AWG	AMERICAN WIRE GAUGE
AV	AUDIO VISUAL
BATT	BATTERY
C	CONDUIT
CB	CIRCUIT BREAKER
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CL	CENTERLINE
CEC	CALIFORNIA ELECTRICAL CODE
CKT	CIRCUIT
CLG	CEILING
COAX	COAXIAL CABLE
COMM	COMMUNICATION
CU	COPPER
DC	DIRECT CURRENT
DPDT	DOUBLE POLE, DOUBLE THROW
DPST	DOUBLE POLE, SINGLE THROW
DIST	DISTRIBUTION
DWG	DRAWING
(E)	EXISTING TO REMAIN
(ER)	REMOVE EXISTING
(EL)	RELOCATE EXISTING
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
ELEV	ELEVATION
EMER	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
(F)	FUTURE
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FATC	FIRE ALARM TERMINAL CABINET
FARA	FIRE ALARM REMOTE ANNUNCIATOR
FCIP	FIRE ALARM CONTROL AND INDICATING PANEL
FLA	FULL LOAD AMPS
FPRP	FIRE ALARM PUMP STATUS PANEL
FVNR	FULL-VOLTAGE, NON-REVERSING
FVR	FULL VOLTAGE, REVERSING
GFCI	GROUND FAULT CIRCUIT INTERRUPTING
GFR	GROUND FAULT RELAY
G, GND	GROUND
GEN	GENERATOR
IG	ISOLATED GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND - OFF - AUTO
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
KW	KILOWATT
KWH	KILOWATT-HOUR
LRC	LIGHTING RELAY CABINET
MECH	MECHANICAL
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCULAR MILS
MH	MANHOLE
N	NEUTRAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
P	POLE
PB	PULL BOX
PF	POWER FACTOR
ø, PH	PHASE
PNL	PANEL
PRI	PRIMARY
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
RSC	RIGID STEEL CONDUIT
SEC	SECONDARY, SECOND
SECUR	SECURITY
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYS	SYSTEM
TB, TTB	TERMINAL BACKBOARD
TC	TERMINAL CABINET
TEL	TELEPHONE
TP	TAMPER PROOF
TSTAT	THERMOSTAT
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT AMPERES
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

GENERAL NOTES

1. METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH OSHA AND ALL LOCAL, STATE AND NATIONAL CODES, LAWS AND ORDINANCES APPLICABLE TO THE WORK UNDER THIS CONTRACT.
2. EXISTING CONDITIONS HAVE BEEN VERIFIED THROUGH OBSERVATIONS OF WORK WHICH ARE READILY VISIBLE AND/OR EXISTING CONSTRUCTION DRAWINGS. NO ATTEMPT HAS BEEN MADE TO EXPOSE CONCEALED CONSTRUCTION TO DISRUPT BUILDING OPERATIONS AND SYSTEMS.
3. VISIT AND INVESTIGATE THE SITE BEFORE SUBMITTING A BID. OBSERVE CONDITIONS RELATING TO WORK AND OBTAIN THE EXACT SUCH INFORMATION AS MAY BE NECESSARY TO PROVIDE AN INTELLIGENT AND CONCLUSIVE BID. NO ALLOWANCE WILL BE MADE FOR ANY EXTRA EXPENSE DUE TO THE FAILURE TO MAKE SUCH A VISIT AND INVESTIGATION.
4. LOCATIONS OF DISCONNECT SWITCHES, STARTERS, ETC. ARE TENTATIVE. FINAL LOCATIONS SHALL SUIT SPACE AND EQUIPMENT CONDITIONS. COORDINATE AND MAINTAIN WORKING SPACE PER CEC.
5. MAKE ALL FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE CONNECTION OF ALL MECHANICAL AND OTHER EQUIPMENT WHICH IS TO BE INSTALLED AS PART OF THIS CONSTRUCTION CONTRACT.
6. LOCATE JUNCTION AND PULL BOXES GENERALLY NOT EXPOSED IN FINISHED SPACES. PROVIDE PULL BOXES AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE FOR ALL RACEWAY RUNS. PROVIDE BOXES EVERY 200 FEET, AND AFTER EVERY TWO RIGHT ANGLE BENDS AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.
7. WHERE WIRE SIZE IS LISTED ON DRAWINGS FOR REFERENCE, CONTRACTOR SHALL MODIFY WIRE SIZE AS NEEDED TO ALLOW FOR VOLTAGE DROP. CONTRACTOR TO FIELD VERIFY ACTUAL LENGTHS OF CABLES DURING INSTALLATION.
8. PROVIDE SUFFICIENT ACCESS AND WORKING CLEARANCE ABOUT THE ELECTRICAL EQUIPMENT IN ACCORDANCE WITH CEC 110.26(A).
9. AN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED AND THE RACEWAY SHALL NOT BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR, UNLESS OTHERWISE SPECIFIED.
10. PROVIDE A DISCONNECTING MEANS WITHIN SIGHT OF EACH MOTOR PER CEC 430.102(B).
11. REMOVE WIRING DEVICES, FIXTURES, COMPONENTS, ELECTRICAL EQUIPMENT AND BOXES NOT REQUIRED TO REMAIN IN SERVICE IN REMODELED AREAS WHEN THIS PROJECT IS COMPLETE.
    a. REMOVE WIRE, CONDUITS AND BOXES FOR SUCH DEVICE BACK TO SOURCE. WHERE CIRCUIT IS INTERRUPTED BY SUCH REMOVAL OF A DEVICE OR FIXTURE FROM THAT CIRCUIT, INSTALL WIRE AND CONDUIT AS REQUIRED TO RESTORE SERVICE TO THE REMAINING DEVICES AND FIXTURE ON THAT CIRCUIT.
    b. WHERE THIS WORK IS NOT POSSIBLE WITHOUT DISTURBING AREAS NOT BEING RENOVATED, CONSULT WITH THE STATE REPRESENTATIVE BEFORE PERFORMING THE WORK.
    c. WHERE EXISTING CIRCUITS, FEEDERS OR WIRING RUNS SERVING OTHER AREAS ARE SERVED FROM THE SPACE TO BE DEMOLISHED, RECONNECT THEM TO OTHER SOURCES AS REQUIRED TO MAINTAIN SERVICE TO THE EXISTING DEVICES.
11. WHERE DRAWINGS INDICATE EXISTING ELECTRICAL EQUIPMENT OR DEVICES ARE TO REMAIN IN SERVICE, RELOCATED OR REUSED, REFURBISH THEM. CLEAN SUCH ITEMS AND NOTIFY STATE REPRESENTATIVE OF ANY DEFECTS IN SUCH INSTALLATIONS. REPAIR ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT.
12. OFFER LIGHTING FIXTURES, WIRING DEVICES, PANELBOARDS AND EQUIPMENT TO THE FACILITY. TURN ITEMS OVER TO THE STATE REPRESENTATIVE IF HE CHOOSES TO RETAIN THESE ITEMS. REMOVE ITEMS REJECTED BY THE STATE REPRESENTATIVE FROM THE PROJECT SITE AND DISPOSE THEM IN A LEGAL MANNER.
13. FURNISH ALL LABOR, MATERIALS, EQUIPMENT & SERVICES NECESSARY TO CONSTRUCT AND INSTALL COMPLETE & OPERATIONAL ELECTRICAL SYSTEMS INDICATED ON THE DRAWINGS & IN THE SPECIFICATIONS.
14. REPLACE ANY MATERIALS DAMAGED BY THE CONTRACTOR WITH NEW EXACT REPLACEMENT MATERIALS, TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL BEAR THE TOTAL COST OF SUCH REPLACEMENT.
15. ALL EQUIPMENT TO BE INSTALLED OR CONNECTED MUST BE LISTED, LABELED, OR CERTIFIED FOR ITS USE BY NATIONALLY RECOGNIZED TESTING AGENCY (NRTA) AS RECOGNIZED BY THE US DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION. OWNER FURNISHED EQUIPMENT SHALL BE LISTED, LABELED, OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING AGENCY.
16. ALL ABANDONED CONDUIT IN ACCESSIBLE SPACES OR SURFACE MOUNTED SHALL BE REMOVED. ABANDONED CONDUIT IN HARDBOARD WALLS OR CEILING MUST BE TAGGED ABANDONED AND CAPPED OFF. CUT FLUSH AND CAP ANY ABANDONED CONDUITS STUBBING OUT OF SLAB.
17. IDENTIFY ALL CONDUCTORS AT EACH JUNCTION BOX, OUTLET BOX, CABINET, PULL BOX, ETC. WITH VINYL CLOTH SELF-ADHESIVE TAGS SHOWING PANEL AND CIRCUIT NUMBERS, CIRCUIT TYPE, CONTROL WIRE NUMBERS OR OTHER APPROPRIATE INFORMATION.
18. AT THE END OF THE PROJECT AND PRIOR TO APPROVAL OF FINAL PAYMENT. PROVIDE REPRODUCIBLE "AS-BUILT" SET OF DOCUMENTS AND THE DOCUMENTS SHALL BE IN AUTOCAD FORMAT WHICH IS ACCEPTABLE TO THE OWNER.

GENERAL DEMOLITION NOTES

1. VISIT THE SITE BEFORE SUBMITTING A BID TO OBSERVE EXISTING CONDITION.
2. SCHEDULE WORK IN EXISTING BUILDINGS WITH DPR. MINIMIZE DISRUPTION OF NORMAL OPERATIONS.
3. REMOVE WIRING DEVICES, FIXTURES, COMPONENTS, ELECTRICAL EQUIPMENT AND BOXES NOT REQUIRED TO REMAIN IN SERVICE IN REMODELED AREAS WHEN THIS PROJECT IS COMPLETE.
   a. REMOVE WIRE, CONDUITS AND BOXES FOR SUCH DEVICE BACK TO SOURCE. WHERE CIRCUIT IS INTERRUPTED BY SICH REMOVAL OF A DEVICE OR FIXTURE FROM THAT CIRCUIT, INSTALL WIRE AND CONDUIT AS REQUIRED TO RESTORE SERVICE TO THE REMAINING DEVICES AND FIXTURES ON THAT CIRCUIT.
   b. WHERE THIS WORK IS NOT POSSIBLE WITHOUT DISTURBING AREAS NOT BEING RENOVATED, CONSULT WITH THE STATE REPRESENTATIVE BEFORE PERFORMING THE WORK.
   c. LEAVE IN PLACE CONCEALED CONDUIT LOCATED IN PARTITIONS OR HARD CEILINGS NOT TO BE DEMOLISHED. REMOVE CONDUCTORS FROM SUCH CONDUITS. LABEL SUCH CONDUITS AS "ABANDONED" AT EACH END AND NOTE WHERE IT REEMERGES FROM THE CONCEALED AREAS. CAP SUCH CONDUITS.
   d. WHERE ELECTRICAL CIRCUITS, FEEDERS OR WIRING RUNS THROUGH A SPACE TO BE DEMOLISHED, MAINTAIN THEM. NOTIFY STATE REPRESENTATIVE OF ANY DEFECTS IN SUCH INSTALLATIONS. REPAIR ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT.
   e. WHERE EXISTING CIRCUITS, FEEDERS OR WIRING RUNS SERVING OTHER AREAS ARE SERVED FROM SPACE TO BE DEMOLISHED, RECONNECT THEM TO OTHER SOURCES AS REQUIRED TO MAINTAIN SERVICE TO THE EXISTING DEVICES.
4. WHERE DRAWINGS INDICATE EXISTING ELECTRICAL EQUIPMENT OR DEVICES ARE TO REMAIN IN SERVICE, RELOCATED OR REUSED, REFURBISH THEM. CLEAN SUCH ITEMS AND NOTIFY STATE REPRESENTATIVE OF ANY DEFECTS IN SUCH INSTALLATIONS. REPAIR ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT
5. OFFER LIGHTING FIXTURES, WIRING DEVICES, PANELBOARDS AND EQUIPMENT TO THE STATE. TURN ITEMS OVER TO THE STATE REPRESENTATIVE IF HE CHOOSES TO RETAIN THESE ITEMS. REMOVE ITEMS REJECTED BY THE STATE REPRESENTATIVE FROM THE PROJECT SITE AND DISPOSE THEM IN A LEGAL MANNER.
6. DELIVER TO CERTIFIED RECYCLER ALL REMOVED FLUORESCENT AND MERCURY VAPOR LAMPS. PROVIDE PROOF OF DELIVER TO THE STATE.

CALIFORNIA STATE PARKS SINCE 1864

FACILITIES & DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER
ROBERT N TAKETA
No. E19863
EXP. 03/31/28
ELECTRICAL
STATE OF CALIFORNIA

DPR ACCESSIBILITY COMPLIANCE REVIEW

CERTIFICATION#

REVIEWED BY

CASp# Date:

ACCESSIBILITY COMPLIANCE AND SFM SIGNED ORIGINALS ARE ON FILE AT THE DEPARTMENT OF PARKS & RECREATION, NORTHERN SERVICE CENTER

DESIGNED	RT
DRAWN	RT
CHECKED	NSC
DATE	10/02/26

△ REVISIONS

No.	Description	Date
	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

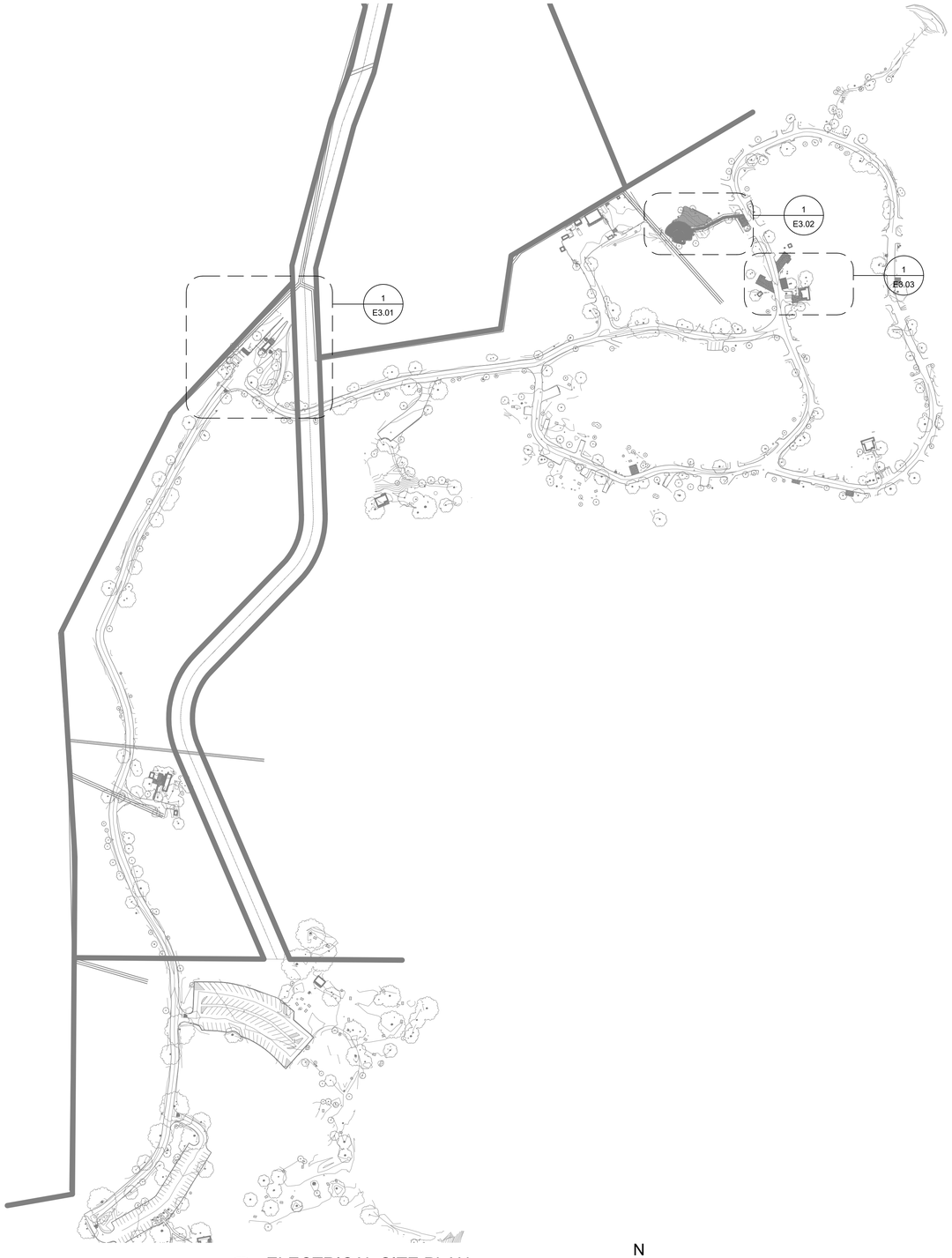
ELECTRICAL SYMBOLS AND ABBREVIATIONS

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SHEET NO.

E0.01

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1 ELECTRICAL SITE PLAN
SCALE@24X36 1/32"=1'-0"

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FACILITIES & DEVELOPMENT DIVISION

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ELECTRICAL SITE PLAN

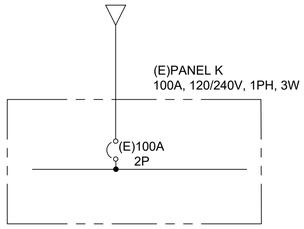
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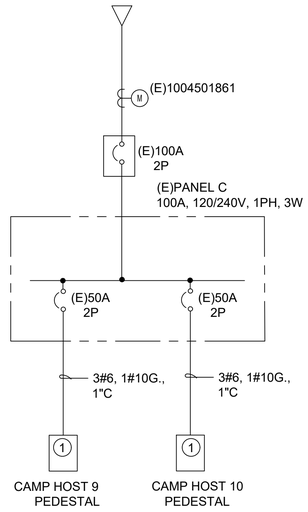
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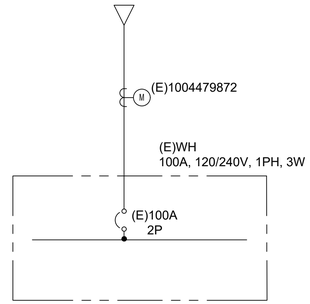
V2

File: C:\Users\rtaketa\OneDrive - California State Parks\Desktop\PROJECTS\Caswell Memorial State Park\Entrance and Campfire center\05_Drawings\Electrical\E0.02 ELECTRICAL SITE PLAN.dwg Date: September 30 2026 - 9:03 pm

Project Milestone: CONSTRUCTION DOCUMENTS







SHEET NOTES:

1. REPLACE EXISTING PEDESTAL AND PROVIDE NEW. RECONNECT TO EXISTING CIRCUIT AFTER RELOCATION/REPLACEMENT. NO LOAD CHANGE.

LIGHTING FIXTURE SCHEDULE										
TAG	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLTS	WATTS	LAMP(S)	BALLAST/ DRIVER	MOUNTING	FINISH	REMARKS
A	STERNBERG LIGHTING OR EQUAL	1W-GL1960-F-BFR-12L-30-T3-MDL012-CA-UB	LED POLE MOUNTED DOWN LIGHT, IP66	120-277V	26W	LED	DIMMING DRIVER	POLE	BRONZE	PROVIDE 6"X6" SQUARE WOOD POLE, 12' POLE WITH LIGHT MOUNTED 10' UP. CEDAR OR REDWOOD. (NON-PRESSURE TREATED MEMBERS)
B	B-K LIGHTING OR EQUAL	S-YS-LED-E68-BZW	LED, SURFACE, 57 LUMENS, IP65, 3000K	12VAC	7W	LED	DIMMING DRIVER	SURFACE		WITH TR SERIES TRANSFORMER
C	BEGA	B77607-K3-BRZ	LED COMPACT FLOODLIGHT, 3000K	24VDC	9W	LED	DRIVER	WALL	BRONZE	WITH B19580 REMOTE DRIVER BOX

(E) PANELBOARD: K

VOLTS (L-L): 240V | PHASE: 1 | WIRES: 3 | OPTIONS: EXISTING PANEL - NEW WORK SHOWN IN BOLD
PANEL TYPE: NORMAL | MOUNTING: SURFACE | ENCLOSURE: NEMA 3R
MCB: 100A /2P | BUS RATING: 100A | AIC RATING: 22,000 AIC

CKT	DESCRIPTION	LOAD TYPE	LOAD (KVA)	OC DEVICE AMPS	OC DEVICE POLES	PHASE	OC DEVICE AMPS	OC DEVICE POLES	LOAD (KVA)	LOAD TYPE	DESCRIPTION	CKT
1	(E) EXISTING LOAD			20	1	A	20	1			(E) EXISTING LOAD	2
3	(E) EXISTING LOAD			20	1	B	20	1			(E) EXISTING LOAD	4
5	(E) EXISTING LOAD			20	1	A	15	1			(E) EXISTING LOAD	6
7	(E) EXISTING LOAD			20	1	B	15	1			(E) EXISTING LOAD	8
9	ELECTRONIC GATE	7	0.96	20	2	A	20	1			(E) EXISTING LOAD	10
11	ELECTRONIC GATE	7	0.96			B					SPACE	12

KVA PER PHASE: A 0.96 | B 0.96

LOAD TYPE (NUMBER)	1	2	3		5	6	7	8		
LOAD TYPE (DESCRIPTION)	Lighting	Receps	Motors	L. Mot.	Kitch	Elevator	Equip	X-Ray	Total	
THIS PANEL: K	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	1.92	
SUB-FEED BREAKER:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
SUB-FEED BREAKER:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
FEED THROUGH LUGS:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL CONNECTED LOAD (KVA)	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	1.92	KVA
DEMAND FACTOR:	1.25	50%>10kVA	1.00	1.25	1.00	1.00	1.00	NEC		
(NEC CODE SECTION)					(220.56)	(620.12)		(517.73(A)(2))		
TOTAL DESIGN LOAD (KVA)	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.00	1.92	KVA
TOTAL DESIGN LOAD (AMPS)									8.00	AMPS

NOTES:
1.)
2.)
3.)

OF KITCHEN EQUIP.: 0
OF ELEVATORS: 0
OF X-RAY: 0

LOAD SUMMARY

(E)PANEL K
120/240V, 1P, 100A
EXISTING CONNECTED LOAD = 6,110 VA, 25.46A
ADDED LOAD = 1,440 VA, 6 A
REMOVED LOAD = 0 VA
TOTAL LOAD = 7,550 VA, 31.46 A

THEREFORE, THERE IS SUFFICIENT CAPACITY
TO SERVE NEW LOADS

FACILITIES & DEVELOPMENT DIVISION

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Robert Taketa
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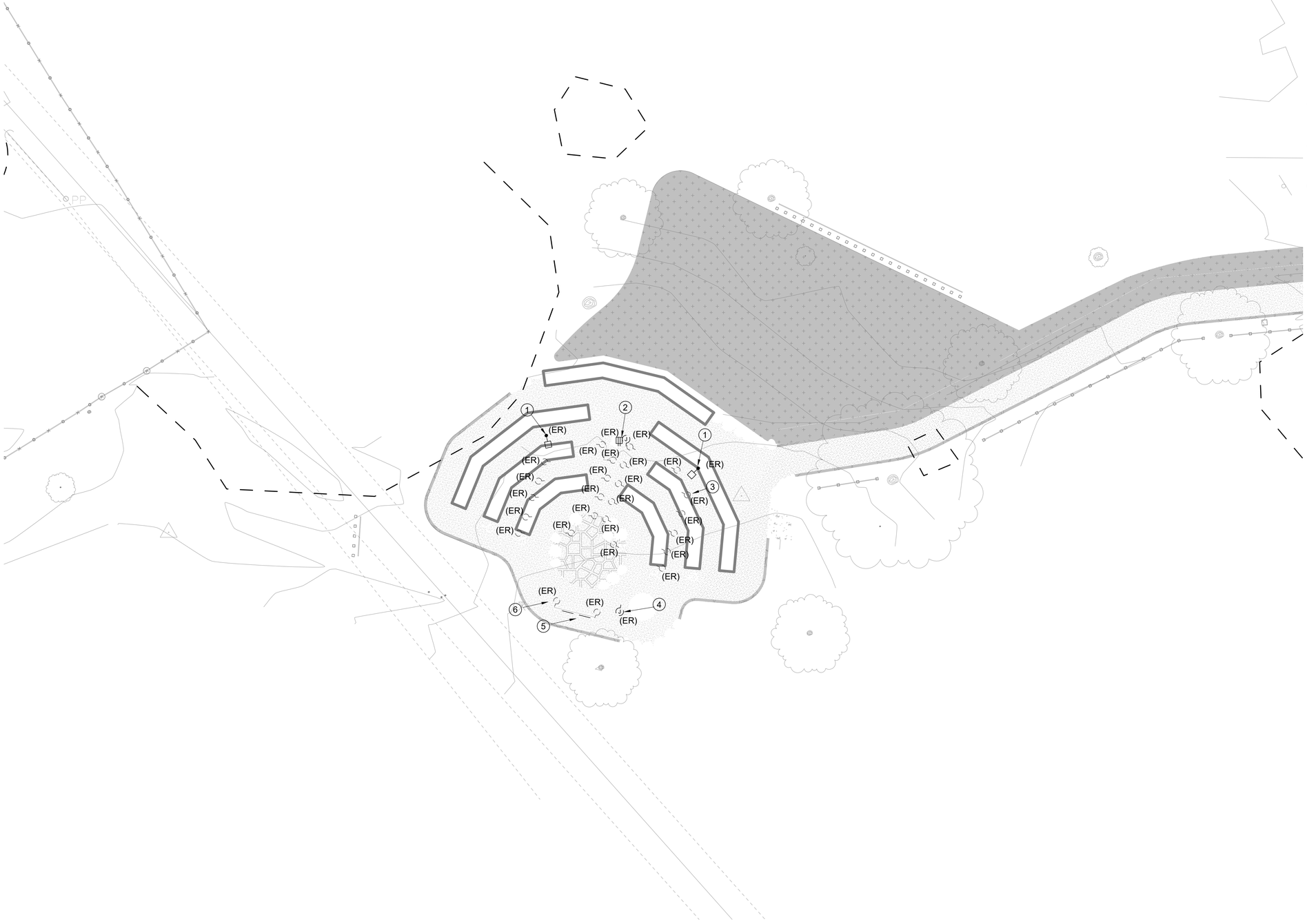
CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ELECTRICAL PARTIAL SINGLE LINE AND SCHEDULES

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SHEET NO.
E1.01
50 OF 56

V2



SHEET NOTES:

1. DISCONNECT AND REMOVE EXISTING POLE MOUNTED LIGHT FIXTURE AND ASSOCIATED WIRING.
2. DISCONNECT AND REMOVE EXISTING ELECTRICAL OUTLET, J-BOX, AND ASSOCIATED WIRING.
3. DISCONNECT AND REMOVE EXISTING BENCH MOUNTED LIGHTING AND ASSOCIATED WIRING, TYPICAL.
4. DISCONNECT AND REMOVE JUNCTION BOX AND ASSOCIATED WIRING MOUNTED ON EXISTING STUMP.
5. DISCONNECT AND REMOVE EXISTING ABOVE GROUND CONDUIT AND ASSOCIATED WIRING.
6. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES AND ASSOCIATED WIRING MOUNTED ON EXISTING WOOD SCREEN.

1 ELECTRICAL CAMPFIRE CENTER DEMO
SCALE@24X36 1" = 10'-0"

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FACILITIES & DEVELOPMENT DIVISION

MITHŪN

REGISTERED PROFESSIONAL ENGINEER
ROBERT N TAKETA
No. E19863
EXP. 03/31/28
ELECTRICAL
STATE OF CALIFORNIA

DPR ACCESSIBILITY COMPLIANCE REVIEW
CERTIFICATION#
REVIEWED BY
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DRAWN	RT
CHECKED	NSC
DATE	10/02/26

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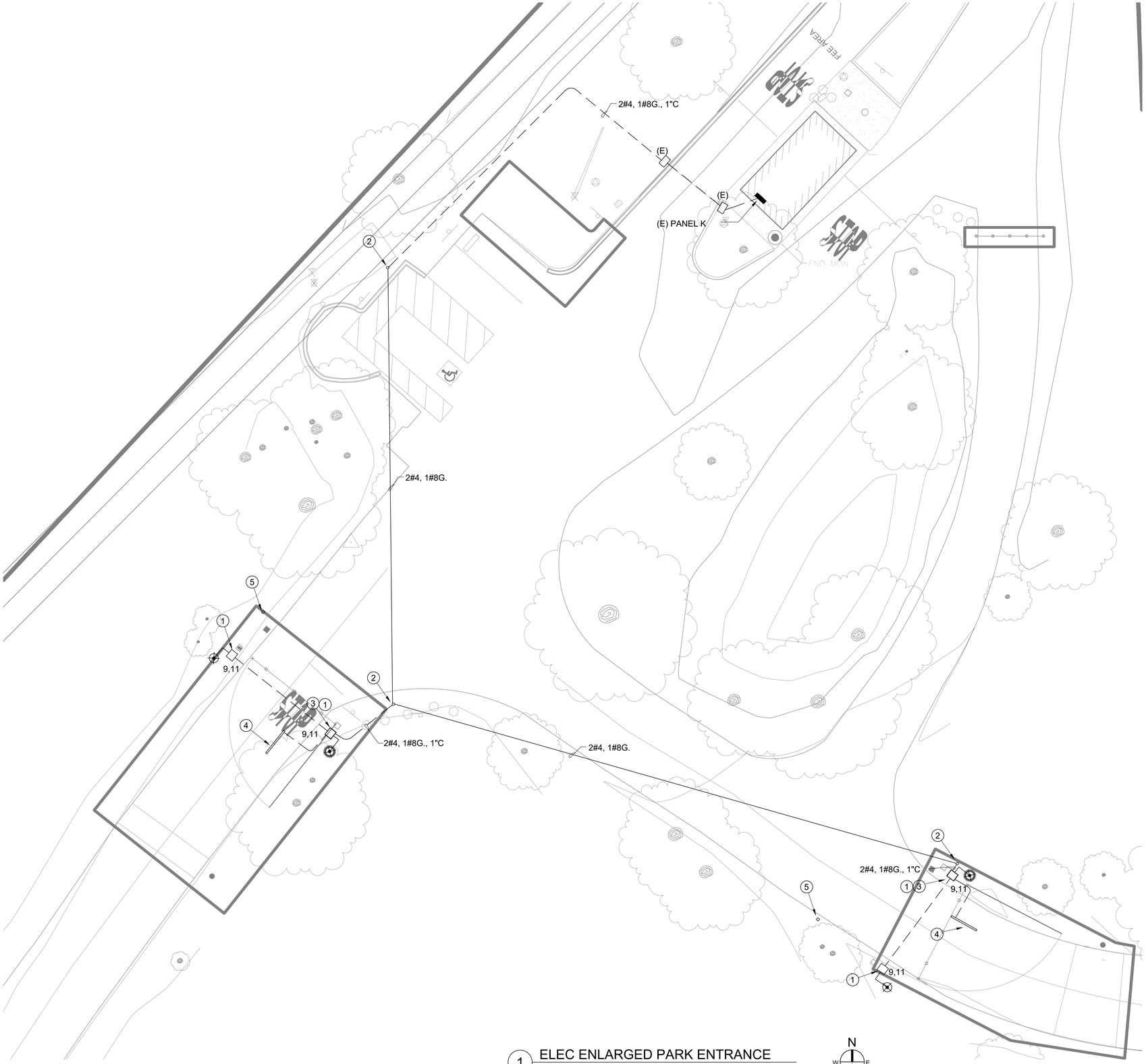
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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ELECTRICAL CAMPFIRE CENTER DEMO PLAN

000268.46

SHEET NO.
E2.01
51 OF 56



1 ELEC ENLARGED PARK ENTRANCE
SCALE@24X36 1"=10'-0"

SHEET NOTES:

1. PROVIDE POWER CONNECTION TO AUTOMATIC GATE CONTROLLER. VERIFY EXACT LOCATION AT JOB SITE. INSTALL PER MANUFACTURER'S RECOMMENDATION. REFER TO DETAIL 1/E4.02.
2. PROVIDE 35' WOOD POLE. PROVIDE CONDUCTORS OVERHEAD AND MAINTAIN 18' CLEARANCE ABOVE ROAD. REFER TO DETAIL 3,4,5,6/E4.02.
3. PROVIDE TIMER AND CONNECT TO AUTOMATIC GATE CONTROLLER TO ALLOW FOR GATE TO STAY OPEN AND CLOSED DURING PARK OPERATION HOURS AT PREDETERMINED TIMES OF THE YEAR. INTERMATIC 26-DGI-16 OR EQUAL.
4. PROVIDE AUTOMATIC GATE IN-GROUND SENSOR TO AUTOMATICALLY OPEN GATE UPON EXIT. COORDINATE MODEL TYPE WITH AUTOMATIC GATE CONTROLLER MANUFACTURER AND CONNECT SENSOR TO GATE CONTROL BOARD.
5. PROVIDE WIRELESS KEYPAD FOR GATE CONTROL ON GOOSENECK STAND OR WOODEN POST. COORDINATE REQUIREMENTS WITH LANDSCAPE ARCHITECT. COORDINATE MANUFACTURER AND MODEL TYPE WITH AUTOMATIC GATE CONTROLLER MANUFACTURER.

CALIFORNIA STATE PARKS SINCE 1864
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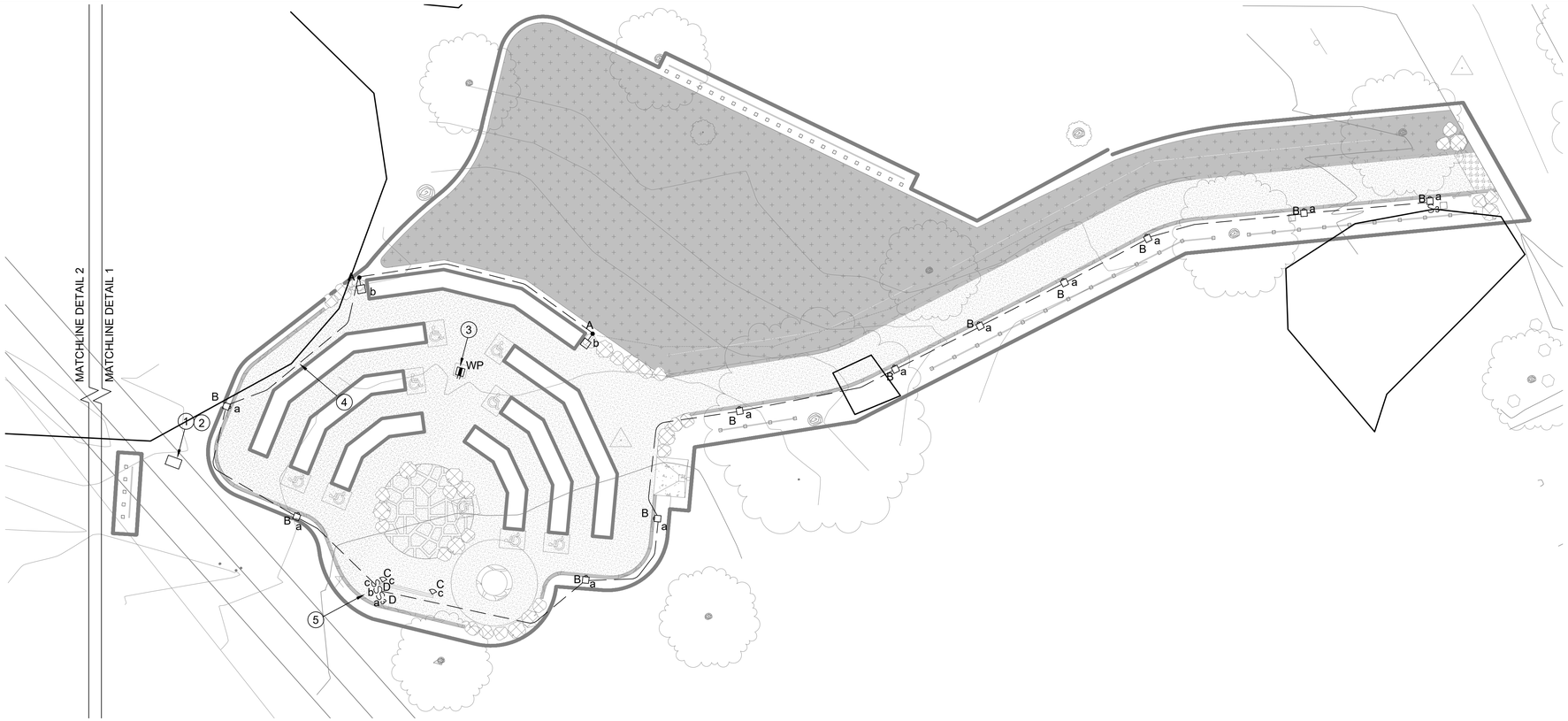
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	SFM ADDENDUM 1 (V2)	10/02/26

CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ELECTRICAL ENTRANCE AREA

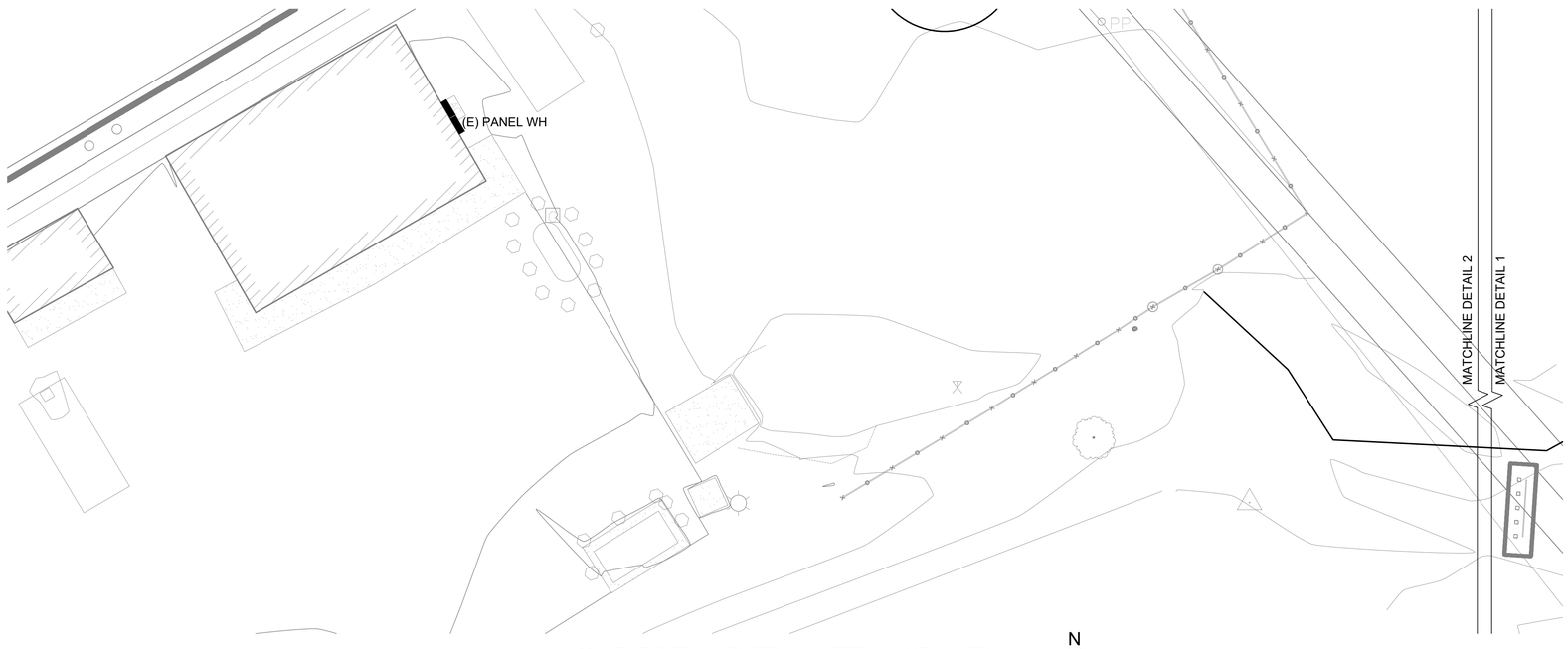
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SHEET NO.
E3.01
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N

1 ELEC ENLARGED CAMPFIRE CENTER
SCALE@24X36 1"=10'-0"



N

2 ELEC ENLARGED MAINTENANCE YARD
SCALE@24X36 1"=10'-0"

SHEET NOTES:

1. INTERCEPT EXISTING LIGHTING POWER FEED FROM PANEL "WH" AND PROVIDE N30 CHRISTY PULL BOX OR EQUAL. LABEL "ELECTRICAL". SPLICE/EXTEND CONDUCTORS TO NEW LIGHT FIXTUES. THE LOAD ADDED IS LESS THAN THE LOAD REMOVED. VERIFY EXACT LOCATION AND CIRCUIT AT JOB SITE.
2. PROVIDE 2#8, 1#10G., 3/4" C AND CONNECT LIGHT FIXTURES AS NEEDED.
3. PROVIDE WEATHERPROOF GFCI IN PROJECTOR PODIUM. COORDINATE WITH LANDSCAPE ARCHITECT FOR STAND DETAILS.
4. ROUTE CONDUIT OUTSIDE OF ELDERBERRY GROWTH AREA.
5. INSTALL LIGHT SWITCHES IN NEMA 3R WEATHERPROOF BOX AND INSTALL ON BACK OF SCREEN SUPPORTS.

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ELECTRICAL CAMPFIRE CENTER

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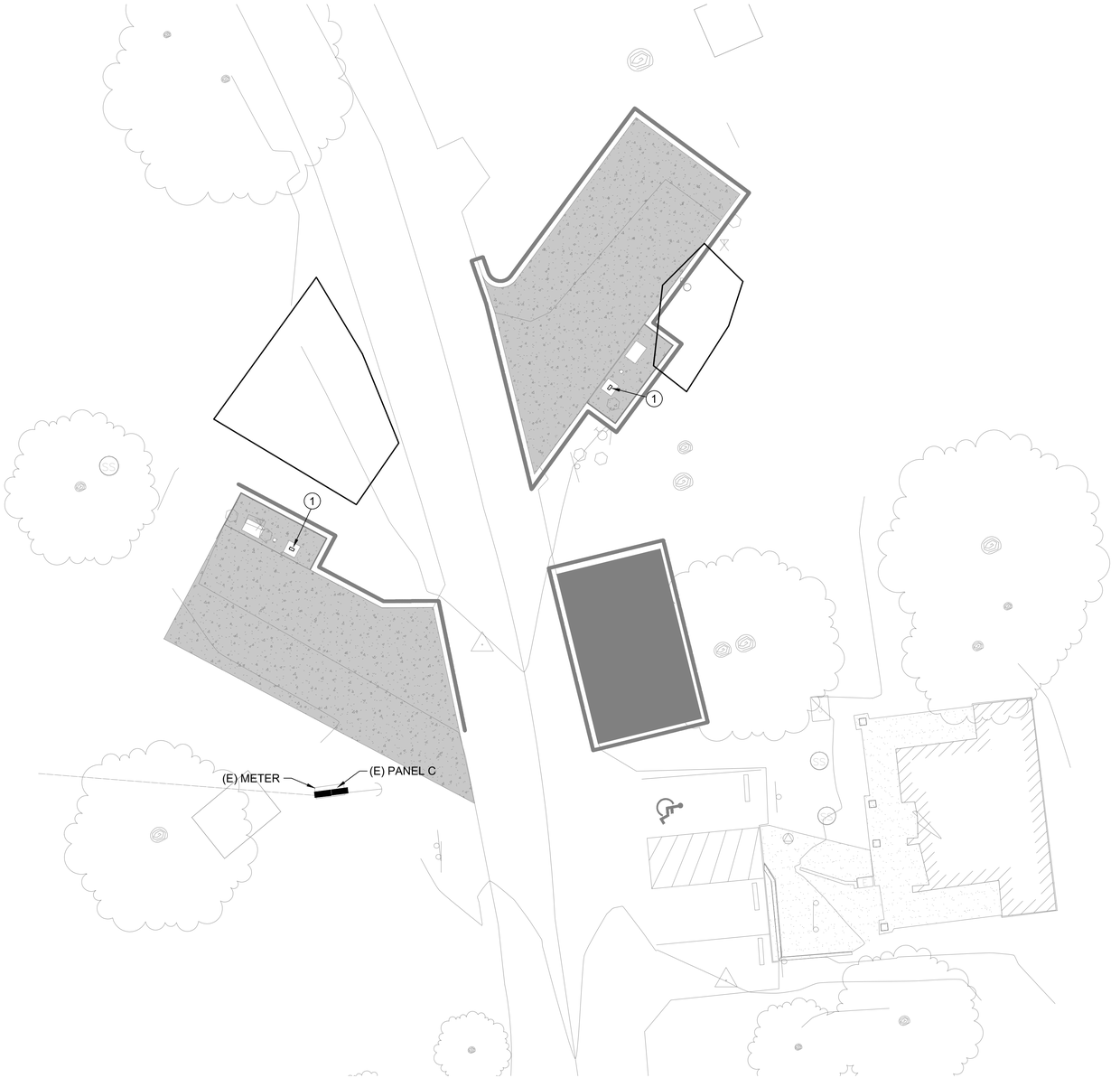
SHEET NO.
E3.02
53 OF 56

V2

Project Milestone: CONSTRUCTION DOCUMENTS

SHEET NOTES:

1. DISCONNECT AND REMOVE EXISTING RV POWER PEDESTAL AND PROVIDE NEW. RECONNECT TO EXISTING CIRCUIT AFTER CONCRETE PAVING HAS BEEN COMPLETED. REFER TO LANDSCAPE PLANS ON SHEET L1.31 AND DETALS 4,5,6/E4.01.



1 ELECTRICAL ENLARGED CAMP HOST
SCALE@24X36 1"=10'-0"

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ELECTRICAL CAMP HOST

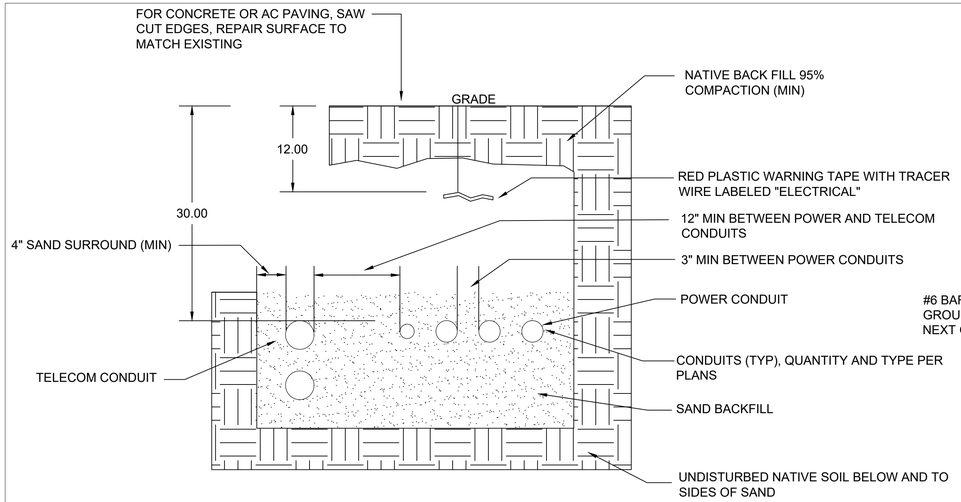
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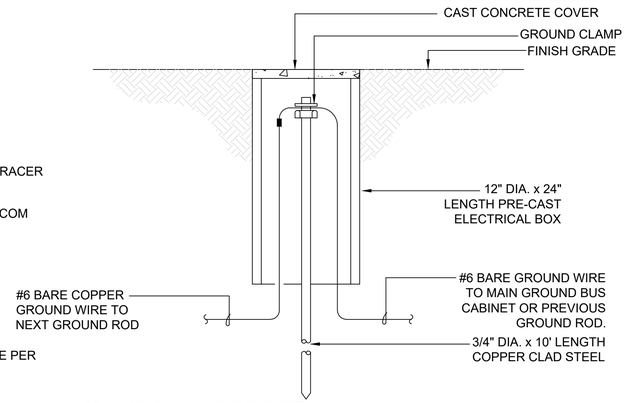
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Project Milestone: CONSTRUCTION DOCUMENTS

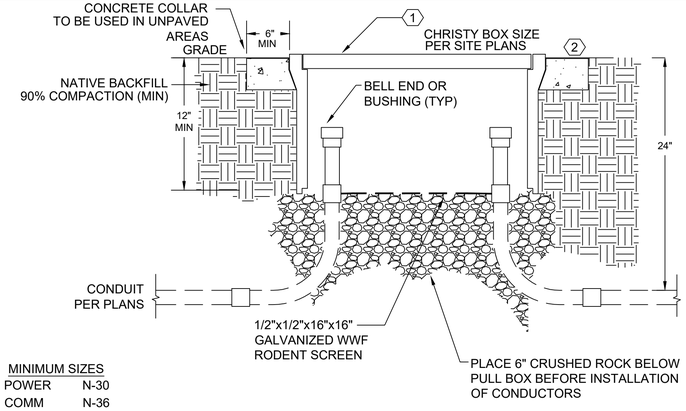
V2



1 JOINT TRENCH DETAIL
SCALE@24X36 NTS



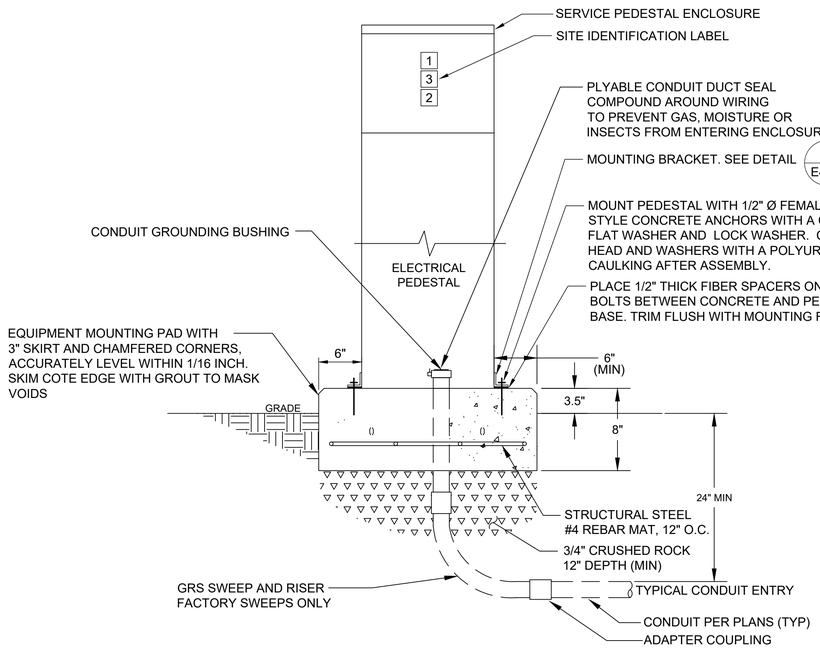
2 GROUND ROD DETAIL
SCALE@24X36 NTS



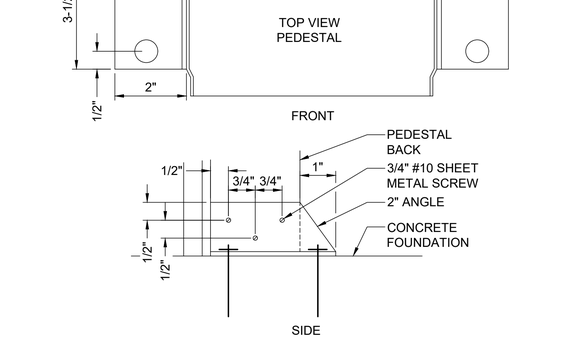
MINIMUM SIZES
POWER N-30
COMM N-36

NOTES:
1. PROVIDE CONCRETE LID IN NON-TRAFFIC AREAS. PROVIDE TRAFFIC RATED STEEL LID IN TRAFFIC AREAS. LABEL COVER PLATE "ELECTRICAL" OR AS NOTED ON PLANS
2. CONCRETE COLLAR TO FOLLOW AROUND THE ENTIRE PERIMETER

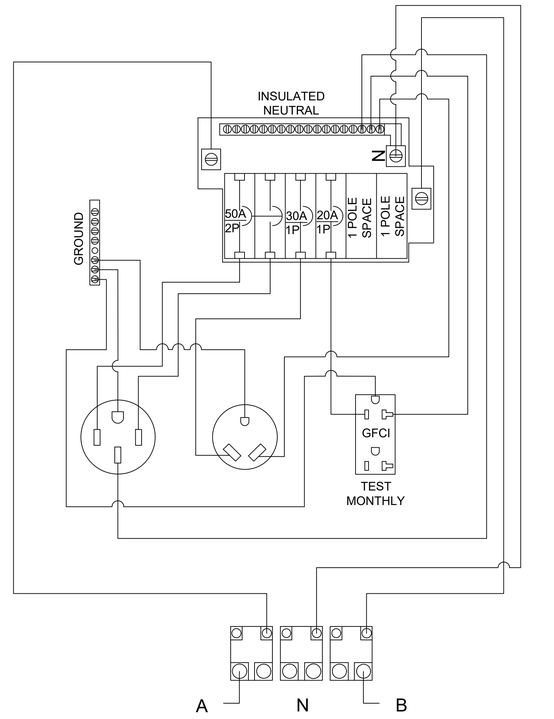
3 UNDERGROUND PULLBOX DETAIL
SCALE@24X36 NTS



4 CAMPHOST PEDESTAL DETAIL
SCALE@24X36 NTS



5 CAMPHOST PEDESTAL MOUNTING BRACKET DETAIL
SCALE@24X36 NTS



6 50/30/20A PEDESTAL DETAIL
SCALE@24X36 NTS

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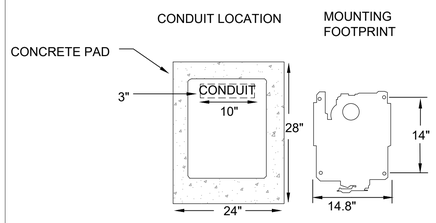
CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

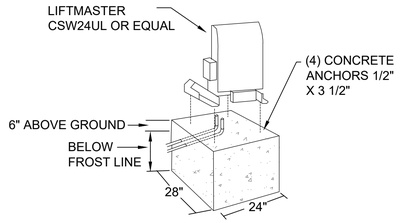
ELECTRICAL DETAILS

000268.50

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E4.01
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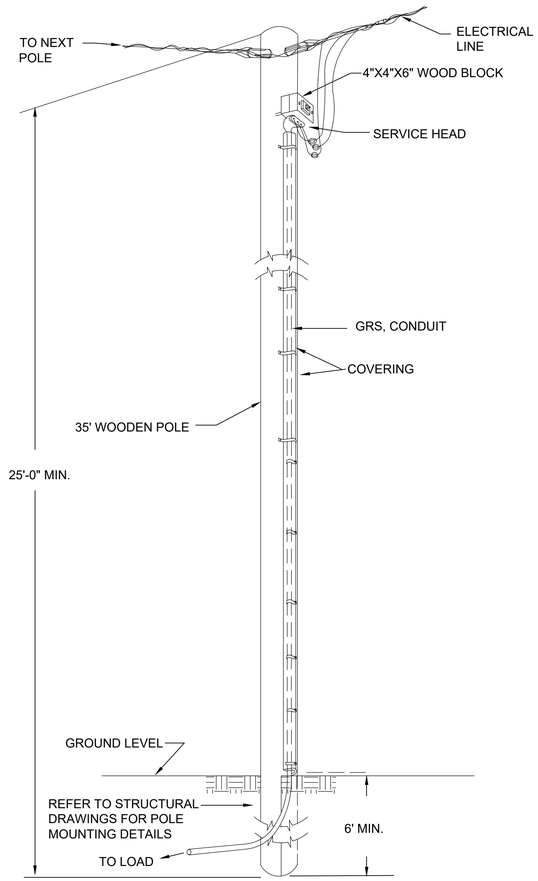
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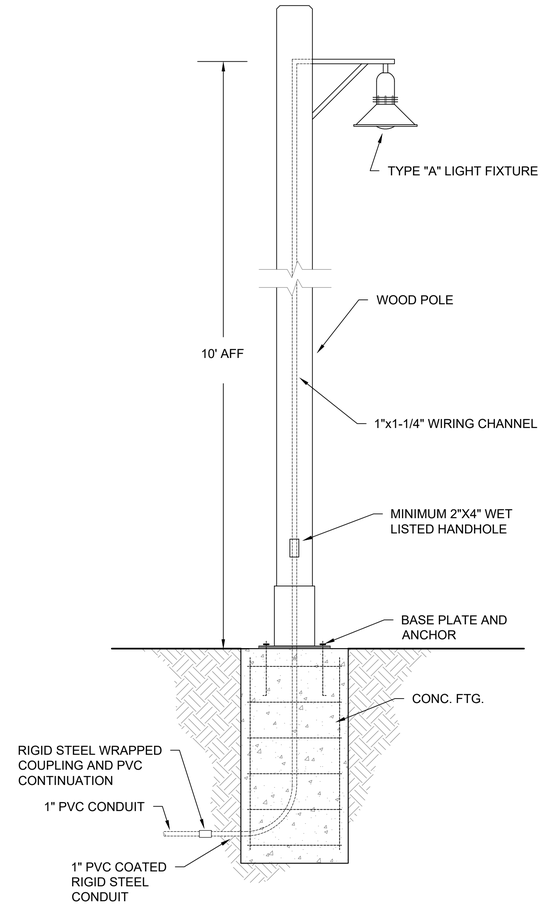
1 MOTORIZED SLIDING GATE OPERATOR DETAIL

SCALE@24X36 NTS



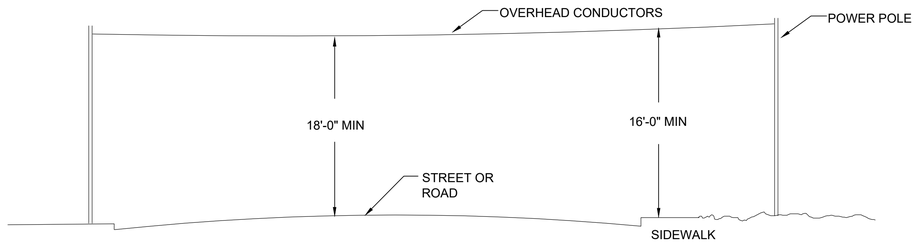
3 POWER POLE DETAIL

SCALE@24X36 NTS



2 LIGHT POLE DETAIL

SCALE@24X36 NTS



6 CLEARANCE FOR SERVICE POLES

SCALE@24X36 NTS

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CASWELL MEMORIAL STATE PARK
CAMPGROUND & DAY-USE IMPROVEMENTS

ELECTRICAL DETAILS

000268.51

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E4.02

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V2

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Project Milestone: CONSTRUCTION DOCUMENTS