THE NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT

Camp Berryessa Improvement Project

ADDENDUM No. 2

Issued: September 2, 2014

REVISED Bid Date: **Monday, October 6, 2014 1:00 pm**

Dear Planholder:

Please find attached Addendum No. 2 for the Camp Berryessa Improvement Project. All bidders must submit a signed copy of this coversheet with their bid package.

Receipt of Addendum acknowledged

By: _____

(bidder)

Napa County Regional Park and Open Space District

ADDENDUM Nº 2

Issued: September 2, 2014

The Napa County Regional Park and Open Space District

Camp Berryessa Improvement Project

The changes in this addendum shall be included in the Project and this addendum shall be part of the Project documents. All conditions not affected by this addendum shall remain unchanged.

The following are changes to be reflected in the drawings and/or specifications

1. **BID DATE PUSHED BACK**
   Due to the South Napa Earthquake and a corresponding slowdown in permit processing times, the bid date/time has been pushed back to:

   Monday, October 6, 2014 1:00 pm

2. **PROJECT COMPLETION DATE PUSHED BACK**
   Due to the revised bid opening date, the project completion date has been pushed back to:

   Monday, June 15, 2015

3. Question: A double unit recycling station is shown on the plans but not called out in the Specs. Is owner providing?

   Answer: No. See revised section 02870, Site Furnishings. Trash receptacles spec has also changed within this section, and model number added.

4. Question: Are the decorative bounders that are supplied by owner being placed by Contractor?

   Answer: Yes.

5. Question: What is the tent skirting material?

   Answer: Per section 13500, section 2.8 SKIRTING

1075 Creekside Drive
Suite 200
Roseville, CA 95678-3504

Tel 916.788.8122
Fax 916.788.0600
www.Psomas.com

Skirting shall be exterior grade plywood primed and painted for exterior exposure on the outside, fastened with #10x2.5" exterior grade wood screws at 12" on center.

6. Gravel and spoils removed from project may be spread on-site, but all construction activities and spread of spoils is limited to happening within the building setback elevation 455' as shown on sheet G00.06.

7. Note: Water may not be pumped from the lake at any time. Contact Spanish Flat Water District, Steve Silva (707-966-1607) to inquire about potential water use for construction.

8. See revised sheets: G00.01, G00.03, G00.06, G00.07, C01.03, C02.09, C02.10, C03.01, C03.02, C03.05, C07.01, C08.01, C09.01, C11.02, T01, T02, T03.

9. Question: PG E3 light fixture schedule, fixture T is listed as an area pole mounted light. I do not see a fixture T on any of the site plans. It also specifies that fixture T be mounted per detail E PG E12, Detail E on PG E12 is for mounting a solar panel. Please advise as to count and location for light fixture T and mounting detail.

   Answer: There are no area lights on this project.

END OF ADDENDUM #2

SECTION 02870
SITE FURNISHINGS

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Outdoor Tables
2. Barbeques.
3. Food Storage Containers.
4. Projection Screen Material.
5. Bulletin Boards.
6. Trash receptacles.
7. Double Unit Recycle Stations

1.2 SUBMITTALS

A. Product Data: For each product indicated.

B. Material Certificates: For the following:

1. Wood preservative treatment.
2. Sustainably harvested wood.
3. Recycled plastic.

C. Maintenance data.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. In other Part 2 articles where subparagraph titles below introduce lists, the following requirements apply for product selection:

1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the products specified.

2.2 MATERIALS

A. Fiberglass: Multiple laminations of glass-fiber-reinforced polyester resin with UV-light stable, colorfast, nonfading, weather- and stain-resistant, colored polyester gel coat and manufacturer's standard finish.

B. Plastic: Color impregnated, color and UV-light stabilized, and mold resistant.

1. Polyethylene: Fabricated from virgin plastic HDPE resin.

2. Recycled Polyethylene: Fabricated from not less than **96 percent recycled, purified, fractional-melt plastic resin** for not less than **90 percent recycled postconsumer waste by weight** content HDPE.

C. Anchors, Fasteners, Fittings, and Hardware: Commercial quality; vandal and theft resistant; concealed, recessed, and capped or plugged. Provide as required for site and street furnishings' assembly, mounting, and secure attachment.

1. Material: Manufacturer's standard, corrosion-resistant-coated or noncorrodible materials.
2. Angle Anchors: For inconspicuously bolting legs of site and street furnishings to on-grade substrate.
3. Antitheft Hold-Down Brackets: For securing site and street furnishings to substrate.

D. Erosion-Resistant Anchoring Cement: Factory-packaged formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and that is recommended for exterior applications.

E. Galvanizing:

1. Zinc-Coated Tubing: External, zinc with organic overcoat, consisting of a minimum of 0.9 oz./sq. ft. of zinc after welding, a chromate conversion coating, and a clear, polymer film. Internal, same as external or consisting of 81 percent, not less than 0.3-mil- thick, zinc pigmented coating.
2. Hot-Dip Galvanizing: According to ASTM A 123/A 123M, ASTM A 153/A 153M, or ASTM A 924/A 924M.

2.3 OUTDOOR TABLE

A. Cooking/Serving Tables.
1. Rectangular Pedestal Table, approximately dimensions 32”x72”.
2. Top, anodized aluminum.
3. Legs, 4” square steel post, powder coated.
4. “The Park” item 398-1452 or approved equal.

B. Picnic Tables.
1. Accessible picnic tables, 96”x 29” tabletop; 33” height
2. Top, recycled plastic.
3. Seats, recycled plastic, 72”x9-1/2”; 20”height.
4. Frame, recycled plastic with stainless steel hardware.
5. “PicnicTables.com” model 1ZK5612 or approved equal.
6. Provide accessible tables, number and location as shown on Drawings.

2.4 BARBEQUES

A. Post-mounted universal access designed to burn either charcoal or wood
1. Firebox, 3/16” steel; approximately 18”x24” dimensions.
2. Grill, 1/2” round bars at 1” on center; configured to allow adjustment to at least 4 heights over fire.
3. Pedestal, 3-1/2” steel pipe; configured for vandal-resistant installation.

4. Belson Model FC-1193-BHC or approved equal.

2.5 FOOD STORAGE LOCKERS

A. Steel construction; 30 cubic foot capacity; 37”wx48”; assembled height approximately 47”; extended legs to meet ADA guidelines; hinged doors on long side to facilitate easy access; animal-proof pocket latches; inside child safety latch; tan powder coat finish; zinc plated hardware.

2.6 PROJECTION SCREEN MATERIAL.

A. Screen Material: Theater grade PVC material; 1.1 gain matte white projection surface; textured surface to eliminate hot-spotting; wide diffusion uniformity; black matt borders; 114” diagonal size with 16:9 viewing angle: grommets along edge for fastening with rope.

B. Screen supports 6”x6” Treated timbers.

C. Elite Screens DIY Series, DIY114H or approved equal.

2.7 BULLETIN BOARDS.

2.8 TRASH RECEPTACLES

A. 70 gallon single unit animal proof litter receptacle, approximately 26” L x 26” W x 48” H, self-closing and weather proof lids, slide-out trash bag support mechanism, pre-galvanized steel construction.

B. The Park and Facilities Catalog, Item #: 342-1599 or approved equal.

2.9 DOUBLE UNIT RECYCLING STATION

A. Steel construction, locking panels with appropriately shaped ports and internal steel funnels. Poly liners on each receptacle. Graphics on each to identify intended bin contents (all recyclables). Heavy-duty levelling feet that allow for permanent and secure anchoring. Approximate dimensions 50” L x 28” W x 43” H. One year minimum warranty.

B. The Park and Facilities Catalog, Item #: 342-1552, or approved equal.

C. Steel Finish: Galvanized.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Complete field assembly of site and street furnishings, where required.

B. Unless otherwise indicated, install site and street furnishings after landscaping and paving have been completed.

C. Install site and street furnishings level, plumb, true, and **positioned** at locations indicated on Drawings.

D. Posts Set into Voids in Concrete: Form or core-drill holes for installing posts in concrete to depth recommended in writing by manufacturer of site and street furnishings and 3/4 inch larger than OD of post. Clean holes of loose material, insert posts, and fill annular space between post and concrete with **nonshrink, nonmetallic grout or anchoring cement**, mixed and placed to comply with anchoring material manufacturer's written instructions, with top smoothed and shaped to shed water.

E. Pipe Sleeves: Use steel pipe sleeves preset and anchored into concrete for installing posts. After posts have been inserted into sleeves, fill annular space between post and sleeve with **nonshrink, nonmetallic grout or anchoring cement**, mixed and placed to comply with anchoring material manufacturer's written instructions, with top smoothed and shaped to shed water.

END OF SECTION

CAMP BERRYESSA IMPROVEMENTS

FOR

NAPA COUNTY REGIONAL PARK & OPEN SPACE DISTRICT

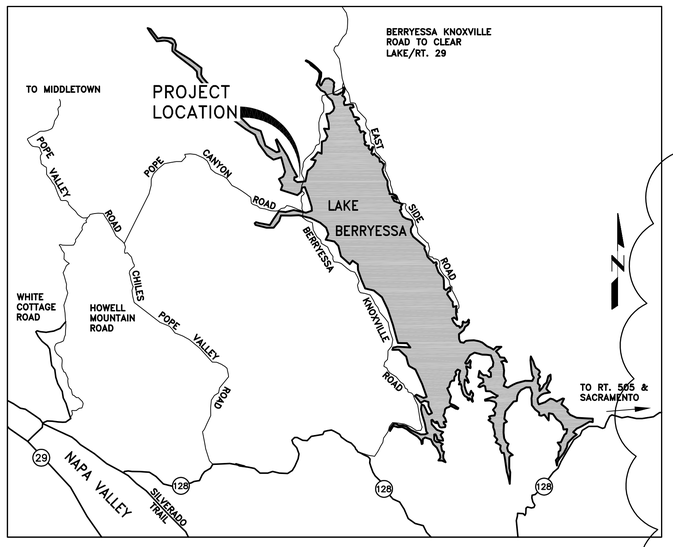
PROJECT NO. 10002.03

CONTRACT NO. _____

NAPA COUNTY, CALIFORNIA

JULY, 2014

7850 BERRYESSA-KNOXVILLE ROAD
NAPA, CALIFORNIA 94558
APN: 019-550-001
LAT/LONG: 38°38'12.25"N 122°17'42.88" W



LOCATION MAP
SCALE: NTS

LAND OWNER:
U.S. BUREAU OF RECLAMATION

CONTACT:
WARREN KASPER, SUPERVISORY RANGER
U.S.B.O.R.
5520 KNOXVILLE ROAD
NAPA, CALIFORNIA 94558
707.966.211 x102
WKASPER@USBR.GOV

LAND MANAGER:
NAPA COUNTY REGIONAL PARK & OPEN SPACE DISTRICT

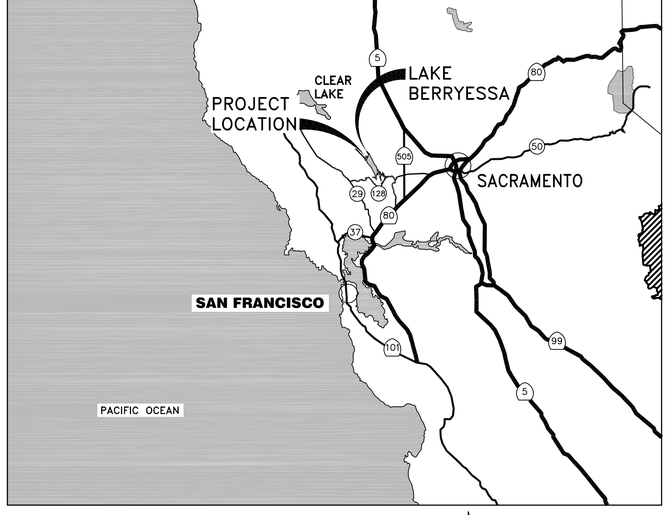
CONTACT:
CHRIS CAHILL, PRINCIPAL PLANNER
1195 THIRD STREET, SECOND FLOOR
NAPA, CALIFORNIA 94559
707.253.4847
CCAHILL@NCRPOSD.ORG

Board of Directors

APPROVED FOR CONSTRUCTION:

_____ DATE
_____
_____
_____

_____ DATE
STEFANIE A. KEMEN, P.E. C72653
PROJECT ENGINEER
PSOMAS



VICINITY MAP
SCALE: NTS

P:\6NAP010100\WATRES\TASKS\CD\SHEETS\01-6NAP0101-G0001.dwg

SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER
STEFANIE A. KEMEN
No. C72653
EXP. 6-30-16
CIVIL
STATE OF CALIFORNIA

7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PUBLIC WORKS COMMENTS

Designed: ELP
Drawn: JAC
Checked: SAK
Job No.: 6NAP010100

PSOMAS
1075 Creekside Ridge Drive, Suite 200
Roseville, Ca 95678
Tel (916) 788-8122
Fax (916) 788-0600

0 LINE IS 2 INCHES AT FULL SCALE 2"
IF LINE IS NOT 2" SCALE ACCORDINGLY

NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
GENERAL
TITLE SHEET

Scale: AS NOTED
Drawing No.: G00.01
Sheet No.: 1 of 70

GENERAL NOTES

1. INTERPRETATION OF DRAWINGS AND SPECIFICATIONS.
   A) FOR CONVENIENCE, SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT AND ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED BY ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS.

   B) IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITIONS AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS, QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS MENTIONED IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. WORK NOT PARTICULARLY DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL.

   C) SHOULD AN ERROR APPEAR IN THE WORKING DETAILS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT ONCE AND IN WRITING. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITH OUT RECEIVING THE NECESSARY APPROVAL, DECISION OR INSTRUCTION IN WRITING FROM THE ENGINEER, THEN HE SHALL HAVE NO VALID CLAIM AGAINST THE OWNER OR ENGINEER, FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, ON INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER OR ENGINEER, ITS OFFICERS, EMPLOYEES OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATIONS IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT SHOULD HE ELECT TO PROCEED, HE IS DOING SO AT HIS OWN RISK.

2. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS.

3. SHOP DRAWING NOTE:
   A) SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF ONE TRANSPARENCY AND TWO BLUE LINE PRINTS OF EACH SHEET.

   B) THE PURPOSE OF SHOP DRAWINGS SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT HE UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIALS HE INTENDS TO FURNISH AND INSTALL, AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE.

   C) PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW TO THE ENGINEER. SHOP DRAWINGS SUBMITTALS SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO STRUCTURAL STEEL, REINFORCING STEEL, GLUED LAMINATED BEAMS, AND PREFABRICATED TRUSSES.

   D) PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFORMANCE".

   E) SHOP DRAWINGS SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS.

   F) ANY DETAIL ON THE SHOP DRAWINGS THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL CLEARLY BE MARKED WITH THE NOTE "THIS IS A CHANGE"

4. SAFETY NOTE:
   A) IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED, AND ALL OSHA REQUIREMENTS.

   B) OWNER OR ENGINEER DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.

   C) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED.

5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHERE A CONFLICT OR A DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. IN CASE OF A CONFLICT BETWEEN THE STRUCTURAL DRAWINGS AND SPECIFICATIONS, THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO COMMENCING ANY WORK.

6. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT. SHOULD THERE BE ANY QUESTION, CONTACT THE ENGINEER PRIOR TO PROCEEDING.

7. WHEN CONSTRUCTION ATTACHES TO AN EXISTING BUILDING, A COMPLETE SET OF DRAWINGS OF THE EXISTING BUILDING SHALL BE KEPT ON THE JOBSITE.

8. ANY SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, OR DETAILS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER. SUCH REVIEW WILL BE BILLED ON A TIME AND MATERIALS BASIS TO THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.

9. **DO NOT SCALE DRAWINGS**. CONTACT THE ENGINEER FOR ANY DIMENSIONS NOT SHOWN.

10. THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE STABILITY OF THIS STRUCTURE DEPENDS ON THE DIAPHRAGM AND THE BRACING MEMBERS SHOWN. THE CONTRACTOR IS TO PROVIDE FOR THE DESIGN AND CONSTRUCTION OF SHORING FOR ALL EARTH, FORMS, CONCRETE, STEEL, WOOD, AND MASONRY TO RESIST GRAVITY, EARTH, WIND, SEISMIC, AND CONSTRUCTION LOADS. SHORING SHALL REMAIN IN PLACE UNTIL ALL DIAPHRAGM AND LATERAL RESISTING ELEMENTS ARE IN PLACE IN THEIR ENTIRETY.

DESIGN CRITERIA

1. CODES AND STANDARDS
   2013 CBC

2. VERTICAL LOADS
   ROOF LIVE LOADS = 20 PSF, FLOOR LIVE LOAD = 40 PSF

3. SOILS VALUES
   ALLOWABLE SOIL PRESSURES
   1. DL+LL= 2500 PSF
   2. DL+LL+SEISMIC= 3325 PSF

PLATED WOOD ROOF TRUSS NOTES

ROOF DESIGN LOADS
20 PSF DL
20 PSF LL

1. ALL FRAMING TO BE APPROVED WITH ICBO RESEARCH REPORTS.
2. ALL CHORD MATERIAL SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 15%.
3. ALLOWABLE STRESS INCREASE FOR LOAD DURATION SHALL BE: ROOF – 25%.
4. INCREASE FOR ALLOWABLE STRESSES FOR REPETITIVE MEMBERS IS NOT PERMISSIBLE.
5. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND/OR STRUCTURAL ENGINEER AND BUILDING OFFICIAL FOR REVIEW PRIOR TO FABRICATION.
6. DESIGN AND FABRICATION SHALL CONFORM TO THE 2013 CBC THE NATIONAL DESIGN SPECIFICATION, AND THE TRUSS PLATE INSTITUTE.
7. SUBMIT DESIGN CALCULATIONS AND ICBO RESEARCH REPORTS FOR EQUIVALENT TRUSS APPROVAL.
8. TRUSSES SHALL BE DESIGNED FOR ALL CONCENTRATED LOADS SHOWN ON DRAWINGS AND ALL LOADS FROM MECHANICAL EQUIPMENT AND SPRINKLERS IN ADDITION TO THE UNIFORM LOADINGS SHOWN ABOVE.
9. ROOF JOISTS SHALL BE DESIGNED FOR A MAXIMUM TOTAL LOAD DEFLECTION OF L/240.
10. TRUSS MANUFACTURER TO PROVIDE TEMPORARY ERECTION BRACING AS REQUIRED BY MANUFACTURER.
11. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS SHOWN ON DRAWINGS WITH ARCHITECTURAL DRAWINGS AND IN FIELD WITH WALL LAYOUT PRIOR TO FABRICATION. PROVIDE SHOP DRAWINGS WITH DIMENSIONS REVIEWED AND APPROVED BY GENERAL CONTRACTOR, PRIOR TO SUBMITTAL TO THE CITY OF FOLSOM.
12. TWO COPIES OF ENGINEERED TRUSS LAYOUT PLANS, DETAILS AND CALCULATIONS REVIEWED BY THE PROJECT ENGINEER SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL AT LEAST TWO WEEKS PRIOR TO FRAME INSPECTION. TRUSS PLANS SHALL BE A DEFERRED SUBMITTAL AND MUST BE APPROVED BY THE COUNTY OF NAPA PRIOR TO INSTALLATION.
13. ALL ROOF TRUSSES SHALL BE FABRICATED WITH CAMBER EQUAL TO DEAD LOAD DEFLECTION.

WOOD NOTES

1. ALL STRUCTURAL WOOD SHALL CONFORM WITH THE FOLLOWING SPECIFICATION: DOUGLAS FIR – COAST REGION – WCLIB GRADING RULES #17 DF #1, EXCEPT 2X4 AND 2X6 WALL STUDS, PLATES, AND BLOCKING MAY BE DF #2. REDWOOD – CALIFORNIA REDWOOD ASSOCIATION GRADING RULES, LATEST EDITION. GLUED LAMINATED BEAMS – STANDARD SPEC FOR STRUCTURAL GLUED LAMINATED TIMBER AITC 117 LATEST EDITION. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION OF GLUED LAMINATED MEMBERS. PLYWOOD – U.S. PRODUCT STANDARD P.S. 2–92 FOR SOFT PLYWOOD STRUCT 1 AT WALLS; CDX AT FLOORS AND ROOF UNLESS NOTED OTHERWISE. PRESSURE TREATED DOUGLAS FIR – AWPA STANDARDS, LATEST EDITION.
2. ALL WOOD IN DIRECT CONTACT WITH EARTH OR CONCRETE SHALL BE PRESSURE TREATED.
3. BEARING AND SHEAR WALLS SHALL HAVE DOUBLE TOP PLATES, LAPPED AT WALL AND PARTITION INTERSECTION WITH 3–16D NAILS. SPLICE UPPER AND LOWER PLATES AS IN DETAIL 1 ON TYPICAL DETAILS SHEET. PROVIDE SOLID BLOCKING BETWEEN JOINTS AND RAFTERS AT ALL SUPPORTS.
4. PROVIDE BLOCKING AT ALL CEILING LEVELS.
5. JOISTS UNDER AND PARALLEL TO PARTITIONS SHALL BE DOUBLED AND NAILED TOGETHER.
6. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT PLUS 1/16".
7. HOLES FOR LAG SCREW SHALL BE FIRST BORED TO THE SAME DIAMETER AND DEPTH AS THE SHANK AND THE REST NO LARGER THAN THE ROOT OF THE THREAD.
8. LAG SCREWS AND WOOD SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE. SOAP MAY BE USED LUBRICATED THE SCREWS.
9. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD. APPLIES ALSO TO INSERTED EXPANDING FASTENERS, READ HEAD, ETC.

BOLT DIAMETER	MI WASHER	STEEL WASHER
5/8"ø	2 3/4"ø X 15/16"	2 1/2" X 2 1/2" X 1/4"
3/4"ø	3"ø X 7/16"	3" X 3"X 5/16"
7/8"ø	3 1/2"ø X 7/16"	3 1/2" X 3 1/2" X 3/8"
1"ø	4"ø X 1/2"	3 3/4" X 3 3/4" X 3/8"

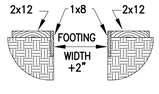
10. ALL BOLTS AND LAG SCREWS SHALL BE TIGHTENED ON INSTALLATION AND RE–TIGHTENED BEFORE CLOSING IN OR AT COMPLETION OF JOB.
11. LAY ALL STRUCTURAL PLYWOOD ON ROOF AND FLOORS WITH FACE GRAIN PERPENDICULAR TO SUPPORT UNLESS NOTED OTHERWISE.
12. BLOCK STRUCTURAL PLYWOOD JOINTS WITH 2X4 FLAT BLOCKING WHERE NOTED ON ROOF OR FLOOR FRAMING PLANS AND WITH BLOCKING SAME AS STUDS AT WALLS. USE PLYCLIPS AT MIDSPAN OF UNSUPPORTED PLYWOOD EDGES.
13. CONNECTOR HARDWARE MODEL NUMBER ARE THOSE FOR SIMPSON STRONG–TIE COMPANY. EQUIVALENT CONNECTORS WITH ICBO ACCEPTANCE MAY BE SUBSTITUTED. ALL JOIST HANGERS SHALL BE SIMPSON U–SERIES HANGERS UNLESS NOTED OTHERWISE.
14. NOTIFY ENGINEER AFTER WALL, FLOOR AND ROOF STRUCTURAL PLYWOOD NAILING HAS BEEN COMPLETED AND A MINIMUM OF 48 HOURS PRIOR TO CONCEALING STRUCTURAL PLYWOOD.

CONCRETE BLOCK NOTES

1. CONCRETE BLOCK UNITS SHALL CONFORM TO ASTM C–90 GRADE N–I UNITS. COMPRESSIVE STRENGTH OF UNITS TO BE 1000 PSI FOR FOR GROSS AREA AND 2000 PSI FOR NET AREA. F'M=1500 PSI. MASONRY PRISMS COMPRESSIVE STRENGTH SHALL TEST NOT LESS THAN 1.25 TIMES THE SPECIFIED F'M.
2. MORTAR SHALL BE BY VOLUME: 1 PART PORTLAND CEMENT; 1/4 TO 1/2 PART HYDRATED LIME OR LIME PUTTY; AND 2 1/2 TO 3 TIMES TIMES COMBINED VOLUME OF CEMENT AND LIME. 2" CUBES SHALL TEST 1800 PSI IN 28 DAYS.
3. GROUT SHALL BE BY VOLUME: 1 PART PORTLAND CEMENT, 3 PARTS SAND 1/10 PART LIME (OPTIONAL). 2 PARTS PEA GRAVEL MAY BE USED WHERE THE LEAST CLEAR CELL DIMENSION IF 4". NOT MORE THAN 5% OF THE PEA GRAVEL SHALL PASS THE NO. 8 SIEVE AND 100% SHALL PASS THE 3/8" SIEVE. GROUT SHALL TEST NOT LESS THAN 2000 PSI IN 28 DAYS.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A615 – GRADE 60 FOR #4 AND LARGER AND ASTM A615 – GRADE 40 FOR #3 AND SMALLER.
5. LAP ALL BARS 40 DIAMETERS, MINIMUM, UNLESS NOTED OTHERWISE.
6. BEFORE BLOCK IS PLACED ON CONCRETE, THOROUGHLY CLEAN CONCRETE OF ALL LAITANCE AND ALL LOOSE MATERIAL. ROUGHEN AS IN CONCRETE CONSTRUCTION JOINT.
7. CONCRETE BLOCK MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS. ALL HEAD END JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. BOND SHALL BE PROCEEDED BY LAPPING SUCCESSIVE COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE.
8. VERTICAL CELLS SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 2"X3".
9. CLEAN OUT OPENINGS SHALL BE PROVIDED AT THE BOTTOMS OF ALL CELLS TO BE FILLED AT EACH LIFT OR POUR OF GROUT WHERE SUCH LIFT OR POUR OF GROUT IS IN EXCESS OF 4'–0" IN HEIGHT. ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM INSIDE OF SUCH CELLS. THE CLEAN OUTS SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING. MECHANICALLY VIBRATE ALL GROUT POURS.
10. VERTICAL REINFORCING SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT TO EXCEED 192 BAR DIAMETERS.
11. THOROUGHLY CLEAN ALL CELLS AND BOND BEAMS OF MORTAR BEFORE GROUTING.
12. ALL CELLS SHALL BE FILLED SOLIDLY WITH GROUT. ALL GROUTING SHALL BE DONE UNDER THE CONTINUOUS OBSERVATION OF A QUALIFIED INSPECTOR WHERE INDICATED ON PLANS.
13. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE THE POUR OF GROUT 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
14. EACH VERTICAL BAR IN WALLS SHALL LAP 40 DIAMETERS WITH A DOWEL OF THE SAME SIZE EXTENDING FROM THE FOUNDATION. CARRY EACH DOWEL TO WITHIN 3" OF THE BOTTOM OF THE FOUNDATION AND TERMINATE WITH 90° HOOK. DOWELS SHALL BE STRAIGHT AND PLUMB.
15. PLACE ALL HORIZONTAL BARS IN BOND BEAM UNITS. WHEN 2 BARS ARE USED, STAGGER LAPS MINIMUM OF 5'–0".
16. PROVIDE 2–#5 BARS (FULL HEIGHT OF WALL AT JAMB AND EXTENDING A MINIMUM OF 2'–0" PAST EDGES OF OPENINGS AT HEAD AND SILL) EACH SIDE OF ALL OPENINGS AND EACH END OF ALL WALLS, UNLESS NOTED OTHERWISE ON DRAWINGS.
17. ALL EMBEDDED ITEMS (BOLTS, ETC.) SHALL BE SECURED IN PLACE PRIOR TO GROUTING. PROVIDE A MINIMUM OF 1" GROUT AROUND ALL BOLTS IN MASONRY SEE TYPICAL DETAILS SHEET.
18. USE OPEN END BLOCK FOR ALL STACK BOND CONSTRUCTION.
19. COMPLIANCE WITH THE REQUIREMENTS FOR THE SPECIFIED COMPRESSIVE STRENGTH OF MASONRY, F'M SHALL BE IN ACCORDANCE WITH THE 2013 CBC.

FOUNDATION NOTES

1. ALL FOUNDATION WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2013 CBC
2. FOR SITE PREPARATION AND FOUNDATION RECOMMENDATIONS SEE SOILS REPORT AS PREPARED BY YOUNGDAHL CONSULTING GROUP, EL DORADO HILLS, CA. PROJECT # 01060, DATED 29 MARCH 2001.
3. BOTTOMS OF ALL FOUNDATIONS SHALL BE LEVEL. CHANGES IN BOTTOM OF FOUNDATION ELEVATION SHALL BE MADE ACCORDING TO STEPPED FOOTING DETAIL ON THE TYPICAL DETAILS SHEET.
4. ALL PILE CAPS, GRADE BEAMS, TIE BEAMS AND OTHER FOOTINGS SHALL BE FORMED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER FOUNDATIONS MAY BE CAST IN NEAT EXCAVATIONS PROVIDED WRITTEN APPROVAL IS OBTAINED AND FOOTINGS ARE INCREASED 2" IN WIDTH. USE 2X12 PLANKS AT EDGE OF EXCAVATION TO PROTECT AGAINST SLUFFING, AS REQUIRED.
5. NOTIFY THE ENGINEER 48 HOURS BEFORE CASTING FOUNDATIONS.



FIRE DIVISION NOTES

1. FIRE EXTINGUISHERS SHALL BE INSTALLED AT EVERY TENT CABIN, ACTIVITY SHELTER, AND COMBO BUILDING. (1) 2A10BC AND (1) WATER EXTINGUISHER EACH, ALL INSTALLED IN PROTECTIVE CABINETS.
2. PROVIDE 100' DEFENSIBLE SPACE TO ALL BUILDINGS, AND 10' BOTH SIDES OF ALL ROADS.

P:\6NAP010100\WATRES\TASKS\CD\SHEETS\03-6NAP0101-G0003.dwg

SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER · STEFANIE A. KEEEN · No. C72653 · EXP. 6-30-16 · CIVIL · STATE OF CALIFORNIA

7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	NOTES REFLECT CURRENT CODES & COUNTY, FIRE DIVISION COMMENTS

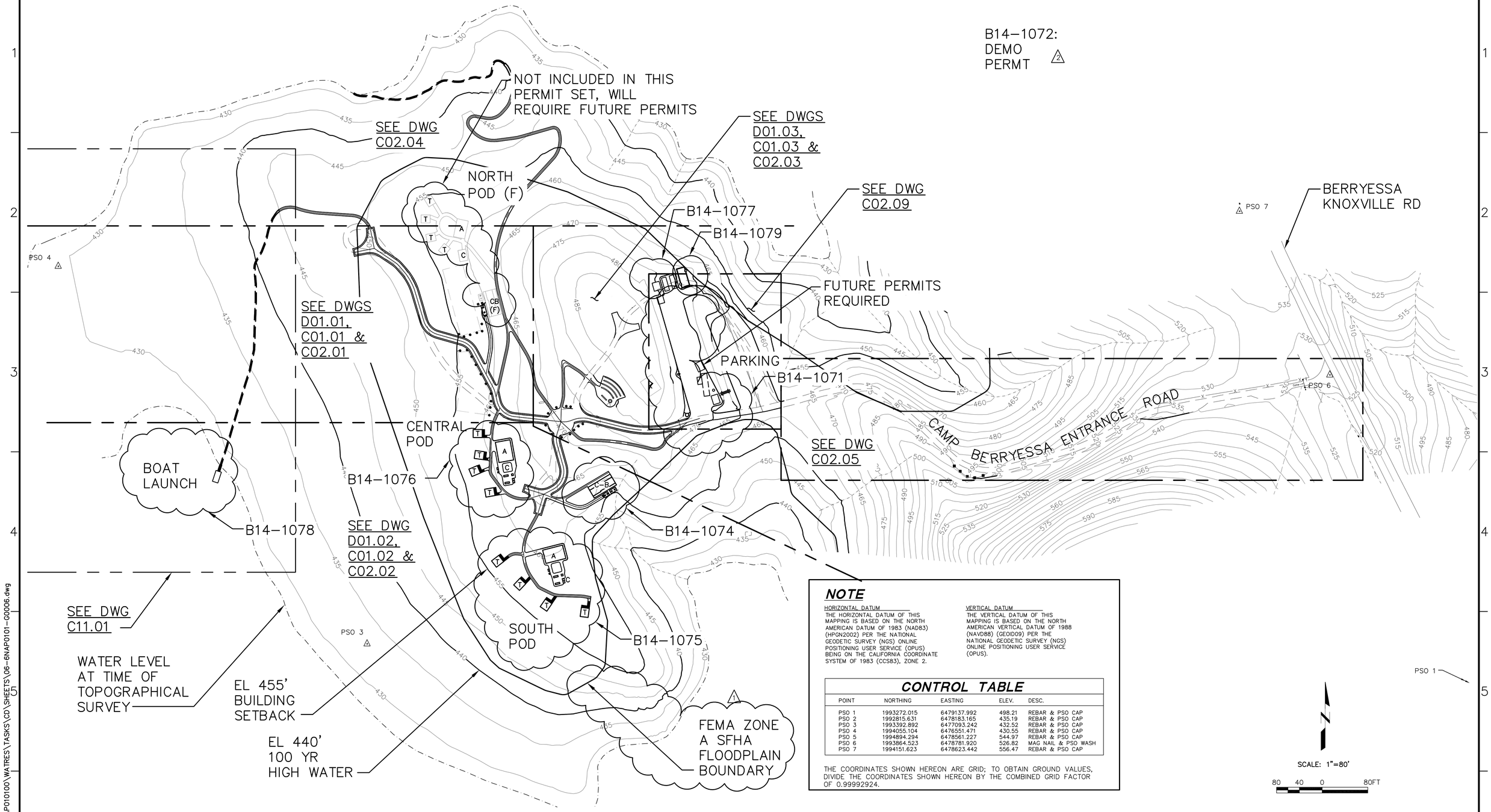
Designed ELL
Drawn JAC
Checked SAK
Job No. 6NAP010100

PSOMAS
1075 Creekside Ridge Drive, Suite 200
Roseville, Ca 95678
Tel (916) 788–8122
Fax (916) 788–0600

0 LINE IS 2 INCHES AT FULL SCALE 2"
IF LINE IS NOT 2" SCALE ACCORDINGLY

NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
GENERAL
GENERAL NOTES

Scale NONE
Drawing No. G00.03
Sheet No. 3 of 70



NOTE

HORIZONTAL DATUM

THE HORIZONTAL DATUM OF THIS MAPPING IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) (HPGN2002) PER THE NATIONAL GEODETIC SURVEY (NGS) ONLINE POSITIONING USER SERVICE (OPUS) BEING ON THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE 2.

VERTICAL DATUM

THE VERTICAL DATUM OF THIS MAPPING IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) (GEOID09) PER THE NATIONAL GEODETIC SURVEY (NGS) ONLINE POSITIONING USER SERVICE (OPUS).

CONTROL TABLE

POINT	NORTHING	EASTING	ELEV.	DESC.
PSO 1	1993272.015	6479137.992	498.21	REBAR & PSO CAP
PSO 2	1992815.631	6478183.165	435.19	REBAR & PSO CAP
PSO 3	1993392.892	6477093.242	432.52	REBAR & PSO CAP
PSO 4	1994055.104	6476551.471	430.55	REBAR & PSO CAP
PSO 5	1994894.294	6478561.227	544.97	REBAR & PSO CAP
PSO 6	1993864.523	6478781.920	526.82	MAG NAIL & PSO WASH
PSO 7	1994151.623	6478623.442	556.47	REBAR & PSO CAP

THE COORDINATES SHOWN HEREON ARE GRID; TO OBTAIN GROUND VALUES, DIVIDE THE COORDINATES SHOWN HEREON BY THE COMBINED GRID FACTOR OF 0.99992924.

N

SCALE: 1"=80'

80 40 0 80FT

P:\6NAP010100\WATRES\TASKS\CD\SHEETS\06-6NAP0101-G0006.dwg

SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER STEFANIE A. KEMEN No. C72653 EXP. 6-30-16 CIVIL STATE OF CALIFORNIA

7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PERMIT NUMBER DELINEATION THROUGHOUT
1	8/6/14	SK	FEMA SFHA BNDY ADDED PER PW

Designed ELL
Drawn JAC
Checked SAK
Job No. 6NAP010100

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NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
GENERAL
OVERALL SITE PLAN/KEY MAP

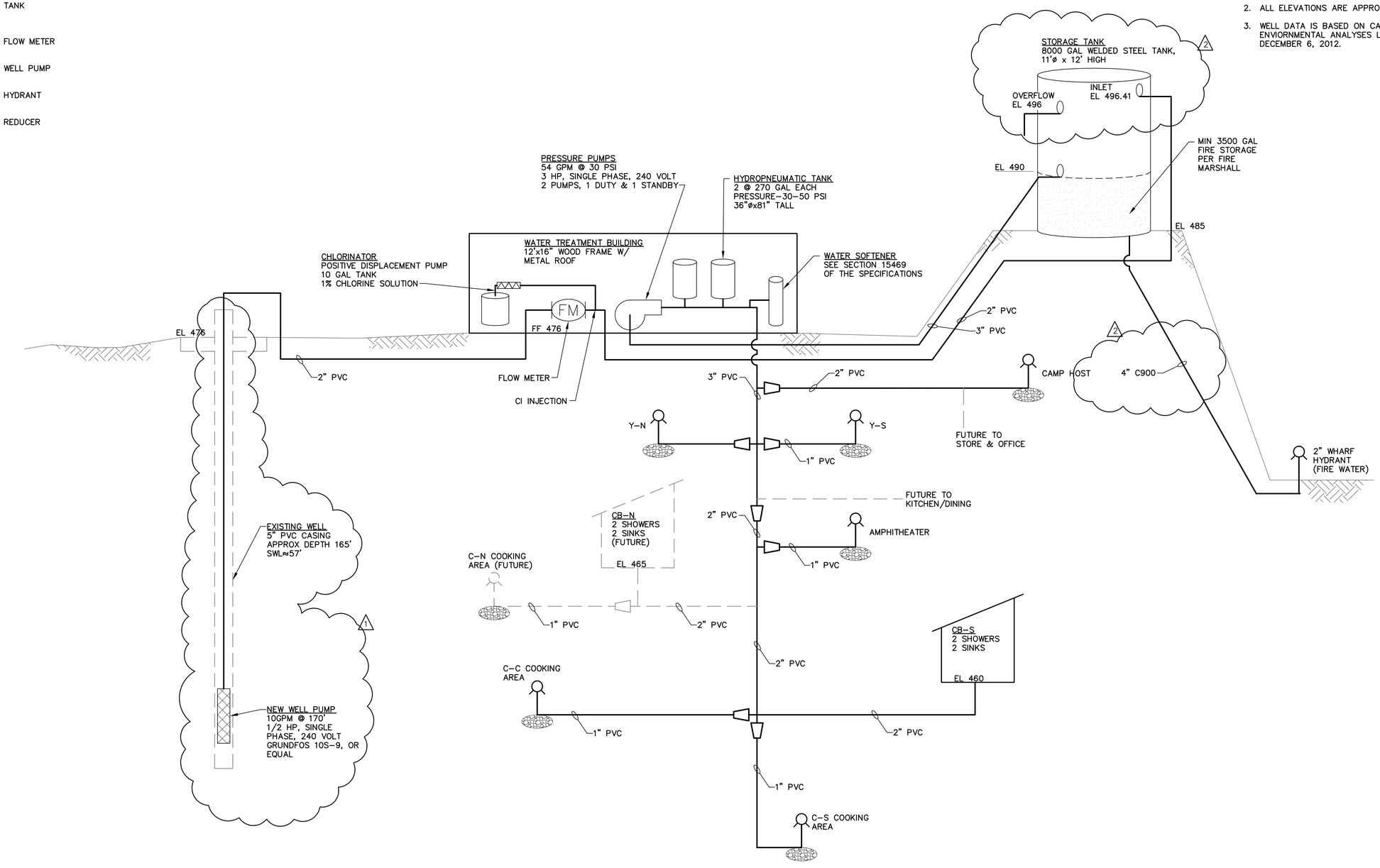
Scale AS NOTED
Drawing No. G00.06
Sheet No. 6 of 70

SYMBOL LEGEND:

- TANK
- FM — FLOW METER
- WELL PUMP
- HYDRANT
- REDUCER

NOTES:

1. VALVES ARE NOT SHOWN.
2. ALL ELEVATIONS ARE APPROXIMATE.
3. WELL DATA IS BASED ON CALTEST ANALYTICAL LABORATORY ENVIORNMENTAL ANALYSES LAB ORDER NUMBER M110831, DATED DECEMBER 6, 2012.



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SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER
STEFANIE A. KEMEN
No. C72653
EXP. 6-30-16
CIVIL
STATE OF CALIFORNIA
7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PUBLIC WORKS & ENVIRONMENTAL HEALTH COMMENTS
1	8/12/14	SK	WELL PUMP TO BE INSTALLED

Designed: ELL
Drawn: JAC
Checked: SAK
Job No.: 6NAP010100

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NAPA COUNTY REGIONAL PARK
AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS

GENERAL

WATER SYSTEM SCHEMATIC

Scale: NONE
Drawing No.: G00.07
Sheet No.: 7 of 70

PARKING LOT CURVE CHART

MARK NO.	RADIUS	RADIUS CENTERPOINT
①	6'	N: 1993824.01 E: 6477819.56
②	6'	N: 1993808.28 E: 6477741.91
③	6'	N: 1993803.94 E: 6477703.23
④	20'	N: 1993796.81 E: 6477648.07
⑤	6'	N: 1993817.97 E: 6477710.44
⑥	20'	N: 1993900.77 E: 6477696.00
⑦	6'	N: 1993954.12 E: 6477621.55
⑧	6'	N: 1994004.95 E: 6477608.28
⑨	4'	N: 1994033.15 E: 6477610.58

MARK NO.	RADIUS	RADIUS CENTERPOINT
⑩	4'	N: 1994038.68 E: 6477629.83
⑪	6'	N: 1994020.58 E: 6477645.44
⑫	6'	N: 1993992.71 E: 6477653.51
⑬	37'	N: 1993968.05 E: 6477672.30
⑭	6'	N: 1993963.77 E: 6477693.35
⑮	4'	N: 1993978.58 E: 6477703.62
⑯	4'	N: 1993987.40 E: 6477725.94
⑰	6'	N: 1993978.55 E: 6477730.75
⑱	6'	N: 1993940.93 E: 6477760.44

MARK NO.	RADIUS	RADIUS CENTERPOINT
⑲	20'	N: 1993962.20 E: 6477676.85
⑳	20'	N: 1993928.98 E: 6477653.41
㉑	20'	N: 1993913.25 E: 6477657.94

MISCELLANEOUS LOCATION POINTS

MARK NO.	ITEM	LOCATION
㉒	RV HOOKUP PEDESTAL	N: 1993861.65 E: 6477692.23

(N) PARKING LOT & ROAD EDGE (TYP)

COMPACTED GRAVEL

2 / C02.10 (N) STAIRS

SOLAR PANELS SEE SHEET E-18

CAMP HOST AREA, SEE DWG C02.10

SUN RAMADA

STORE/OFFICE, NIC

FIN EL 472.30

FIN EL 472.00

ADA ACCESSIBLE PARKING, SEE DWG C02.11

STORAGE A NIC

STORAGE B NIC

TRASH/RECYCLING AREA, SEE DWG C07.01

WT BUILDING, SEE DWG C03.01

4 / T05 (N) WOOD RETAINING WALL APPROX 125 LF

25'

REMOVEABLE BOLLARD TYP OF 3 — 7 / T02

(N) WELLHEAD — 7 / C03.05

REMOVEABLE BOLLARD TYP OF 3 — 7 / T02

1 / T01 (N) WHARF HYDRANT

460 465 470 475 480

SCALE: 1"=10'

10 5 0 10FT

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SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER — STEFANIE A. KEMEN — No. C72653 — EXP. 6-30-16 — CIVIL — STATE OF CALIFORNIA

7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PUBLIC WORKS & FIRE DIVISION COMMENTS

Designed ELL
Drawn JAC
Checked SAK
Job No. 6NAP010100

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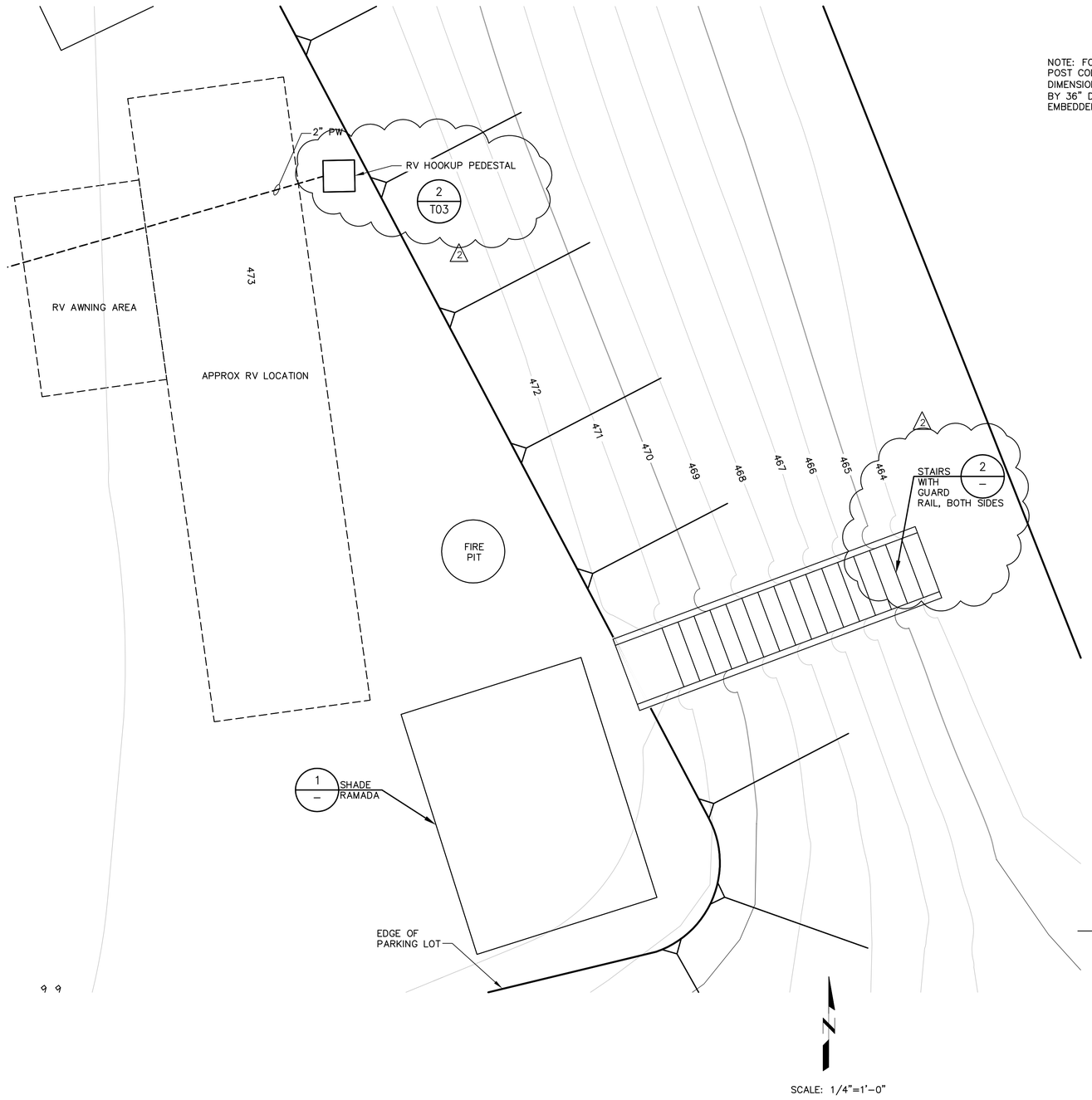
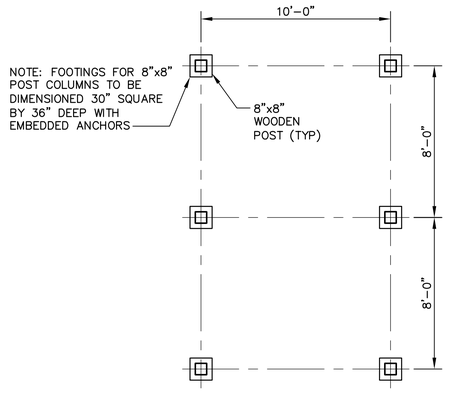
NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
CIVIL
PARKING LOT PLAN

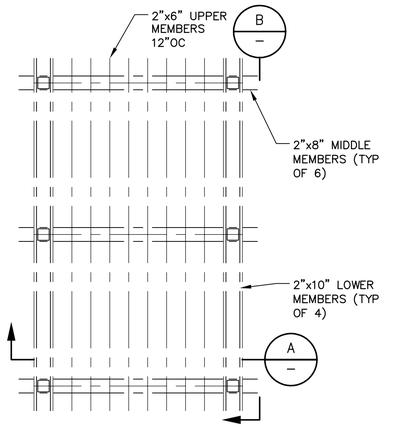
Scale AS NOTED
Drawing No. C02.09
Sheet No. 23 of 70





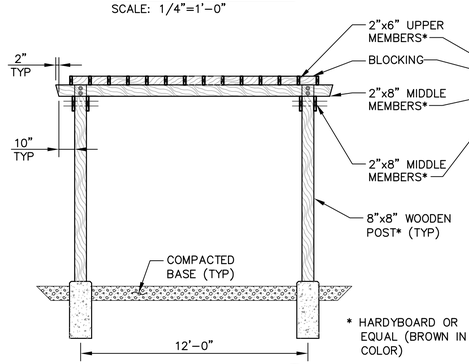
FOUNDATION PLAN

SCALE: 1/4"=1'-0"



UPPER PLAN

SCALE: 1/4"=1'-0"



SECTION

SCALE: 1/4"=1'-0"

A
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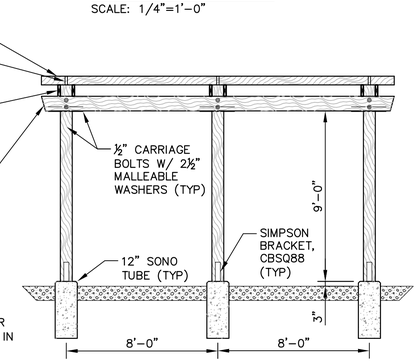


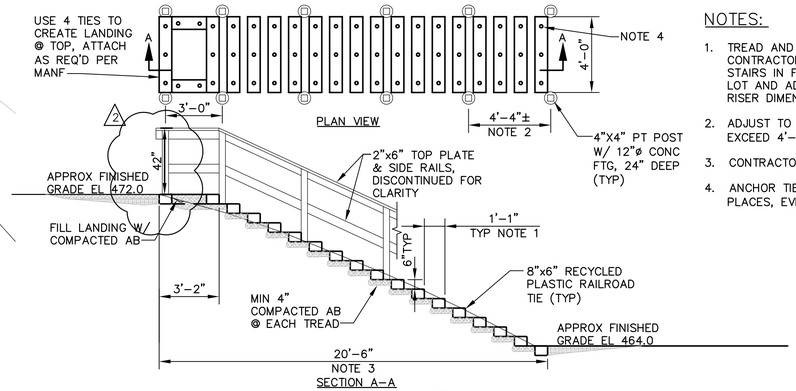
SECTION

SCALE: 1/4"=1'-0"

B
–

SHADE RAMADA

1
–



STAIR DETAIL

SCALE: 1/4"=1'-0"

2
–

NOTES:

1. TREAD AND RISER DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE TOTAL RISE AND RUN OF STAIRS IN FIELD AFTER FINISHED GRADING OF THE PARKING LOT AND ADJUST STAIRS AS NECESSARY. ALL TREAD AND RISER DIMENSIONS WILL BE EQUAL.
2. ADJUST TO MEET CONDITIONS IN THE FIELD, BUT NOT TO EXCEED 4'-6".
3. CONTRACTOR SHALL VERIFY THIS DIMENSION IN THE FIELD.
4. ANCHOR TIES INTO GROUND WITH #4 REINF BAR AT THREE PLACES, EVENLY SPACED, MINIMUM 18" EMBEDMENT.

P:\6NAP010100\WATRES\TASKS\CD\SHEETS\24-6NAP0101-C0210.dwg

SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER
STEFANIE A. KEMEN
No. C72653
EXP. 6-30-16
CIVIL
STATE OF CALIFORNIA

7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PUBLIC WORKS REVISIONS

Designed: ELL
Drawn: JAC
Checked: SAK
Job No.: 6NAP010100

PSOMAS
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Fax (916) 788-0600

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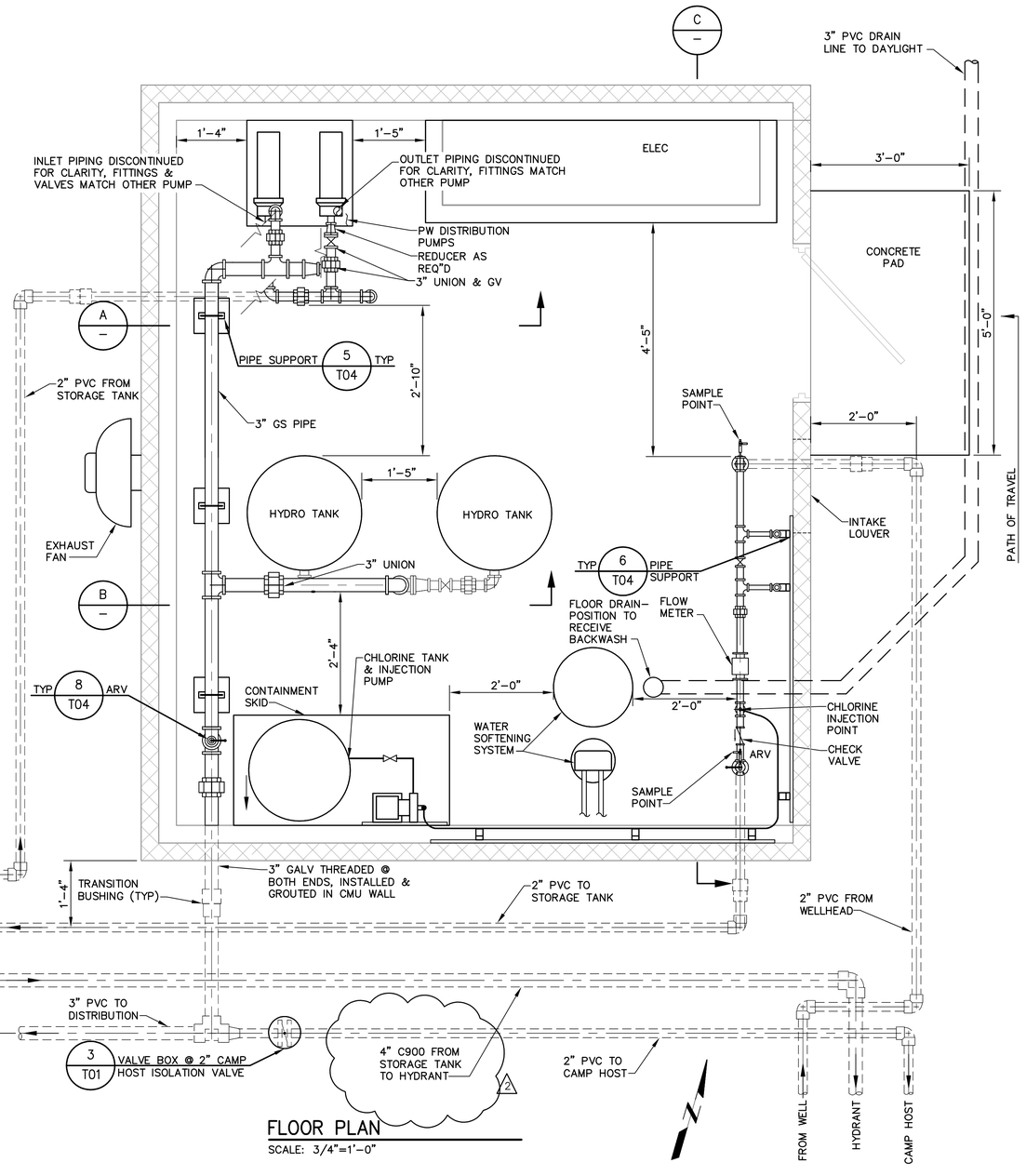
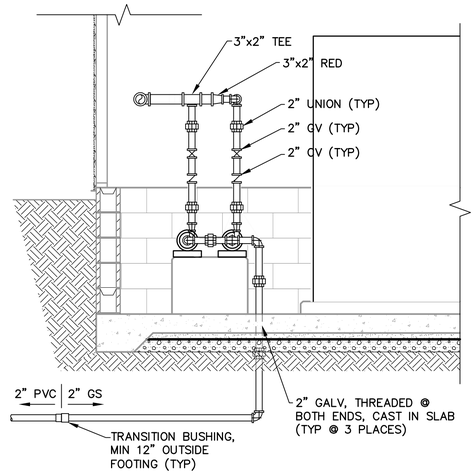
IF LINE IS NOT 2" SCALE ACCORDINGLY

NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
CIVIL
CAMP HOST PLAN

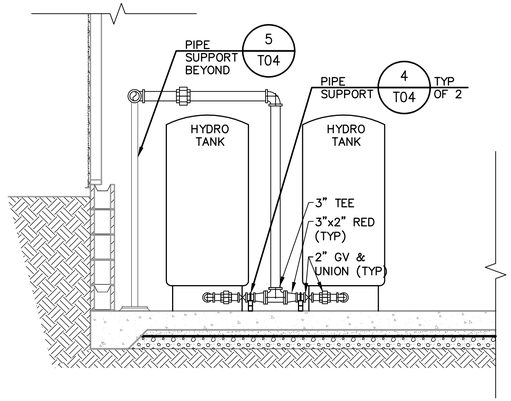
Scale: AS NOTED
Drawing No.: C02.10
Sheet No.: 24 of 70



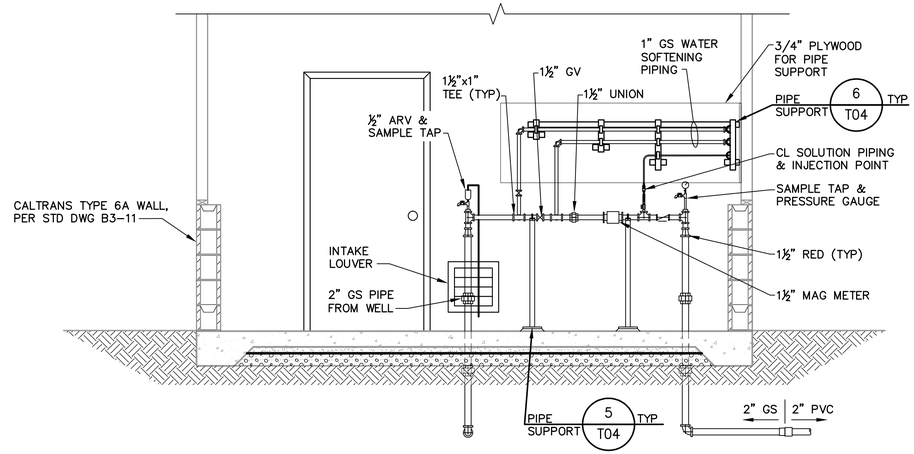
FLOOR PLAN
SCALE: 3/4"=1'-0"



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



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



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

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER STEPHANIE A. KEMEN No. C72653 EXP. 6-30-16 CIVIL STATE OF CALIFORNIA
7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PUBLIC WORKS COMMENTS

Designed MAP
Drawn JAC
Checked DWH
Job No. 6NAP010100

PSOMAS
1075 Creekside Ridge Drive, Suite 200
Roseville, Ca 95678
Tel (916) 788-8122
Fax (916) 788-0600

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NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
CIVIL
WATER TREATMENT BUILDING MECHANICAL PLAN & SECTIONS

Scale AS NOTED
Drawing No. C03.01
Sheet No. 26 of 70

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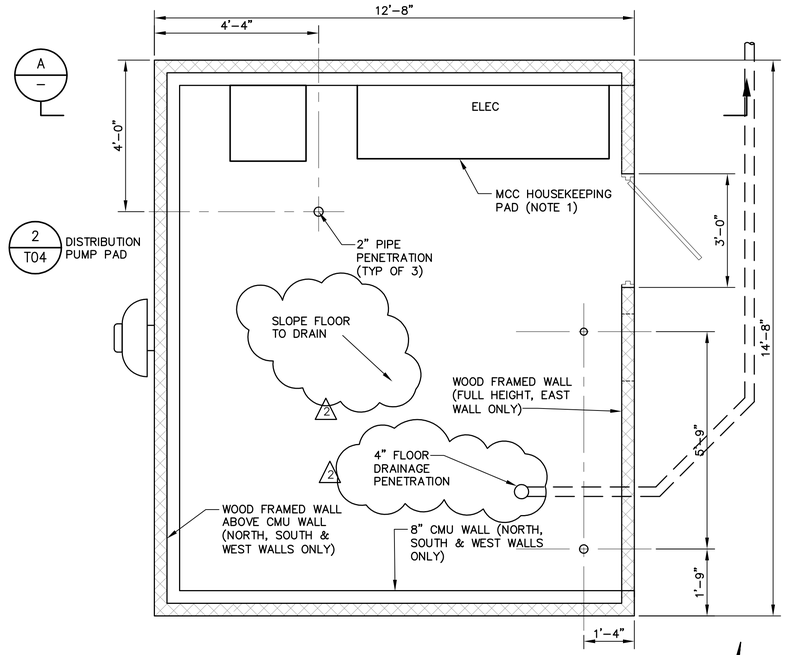
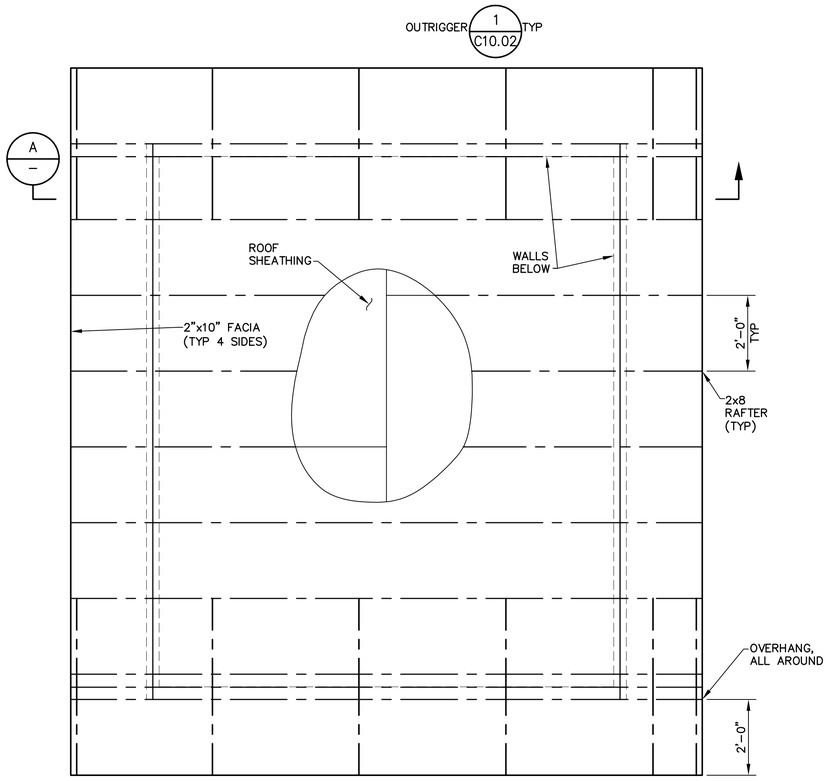
SKEMEN



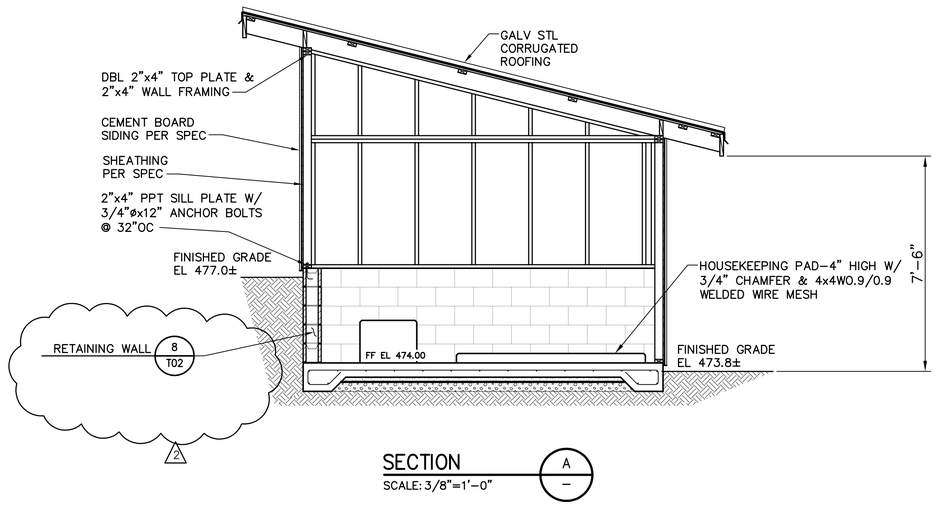
FLOOR PLAN

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



ROOF FRAMING PLAN

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



SECTION

SCALE: 3/8"=1'-0"

A
–

NOTES:

1. COORDINATE HOUSEKEEPING PAD LOCATION AND DIMENSIONS WITH ELECTRICAL DRAWINGS.

P:\6NAP010100\WATRES\TASKS\CD\SHEETS\27-6NAP0101-C0302.dwg

SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER STEFANIE A. KEMEN No. C72653 EXP. 6-30-16 CIVIL STATE OF CALIFORNIA

7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PUBLIC WORKS COMMENTS

Designed: MAP
Drawn: JAC
Checked: DWH
Job No.: 6NAP010100

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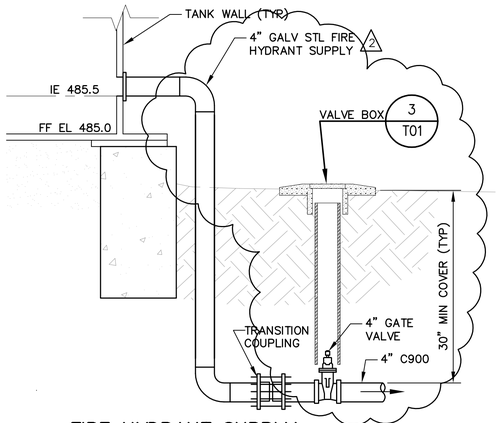
NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
CIVIL
WATER TREATMENT BUILDING
STRUCTURAL PLAN & SECTIONS

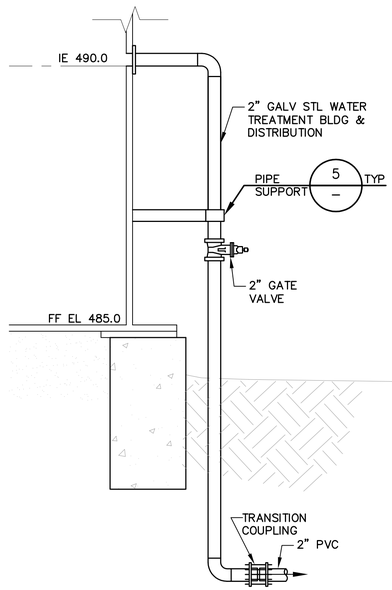
Scale: AS NOTED
Drawing No.: C03.02
Sheet No.: 27 of 70



FIRE HYDRANT SUPPLY & DRAIN DETAIL

SCALE: 1"=1'-0"

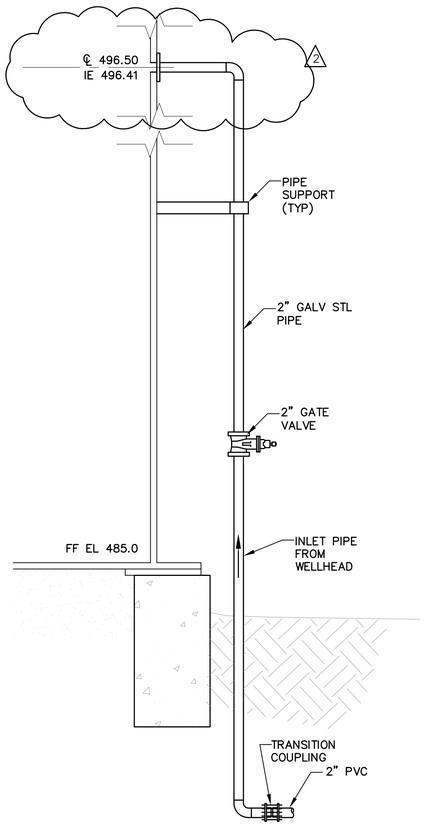
1 C03.04



WATER TREATMENT BUILDING SUPPLY

SCALE: 1"=1'-0"

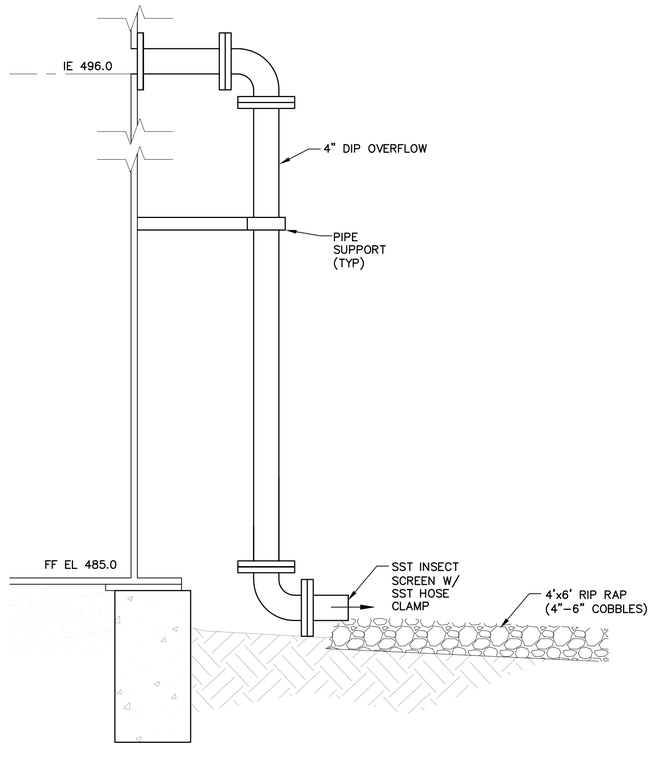
2 C03.04



TANK SUPPLY PIPE DETAIL

SCALE: 1"=1'-0"

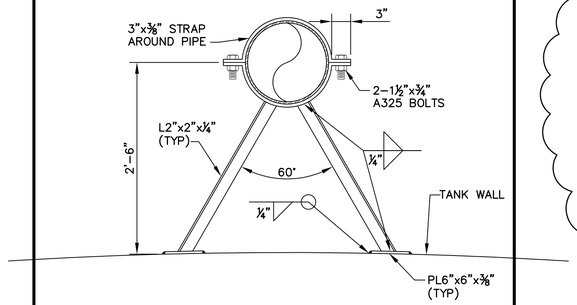
3 C03.04



TANK OVERFLOW DETAIL

SCALE: 1"=1'-0"

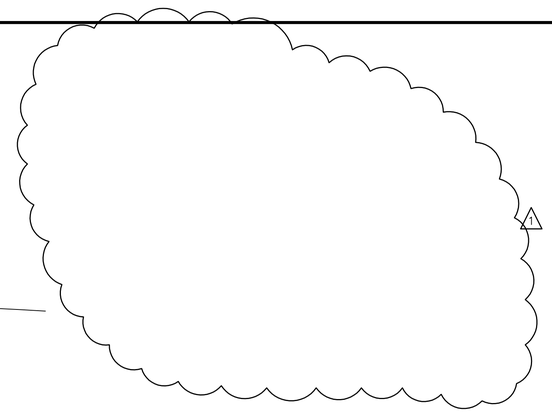
4 C03.04

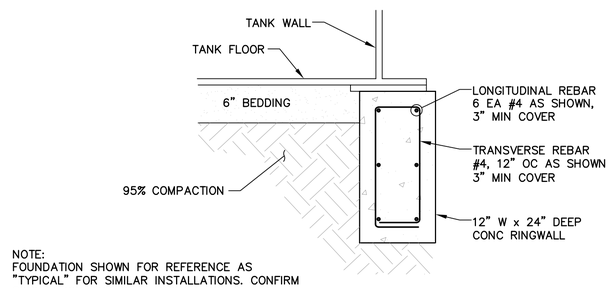


PIPE SUPPORT DETAIL

SCALE: NTS

5 –





NOTE:
FOUNDATION SHOWN FOR REFERENCE AS "TYPICAL" FOR SIMILAR INSTALLATIONS. CONFIRM FOUNDATION AND SIZE ANCHOR BOLTS PER AWWA D104 AND RECOMMENDATIONS BY THE TANK MANUFACTURER, INCLUDING ALL ADDENDUMS AT NO ADDITIONAL COST.

FOUNDATION AND PAD DETAIL

SCALE: 1"=1'-0"

8 C03.04

P:\6NAP010100\WATRES\TASKS\CD\SHEETS\30-6NAP0101-C0305.dwg

SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER STEFANIE A. KEMEN No. C72653 EXP. 6-30-16 CIVIL STATE OF CALIFORNIA

7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PUBLIC WORKS & ENVIRONMENTAL HEALTH COMMENTS
1	8/12/14	SK	EXTERIOR LADDER DETAIL DELETED

Designed: ELL
Drawn: JAC
Checked: SAK
Job No.: 6NAP010100

PSOMAS
1075 Creekside Ridge Drive, Suite 200
Roseville, Ca 95678
Tel (916) 788-8122
Fax (916) 788-0600

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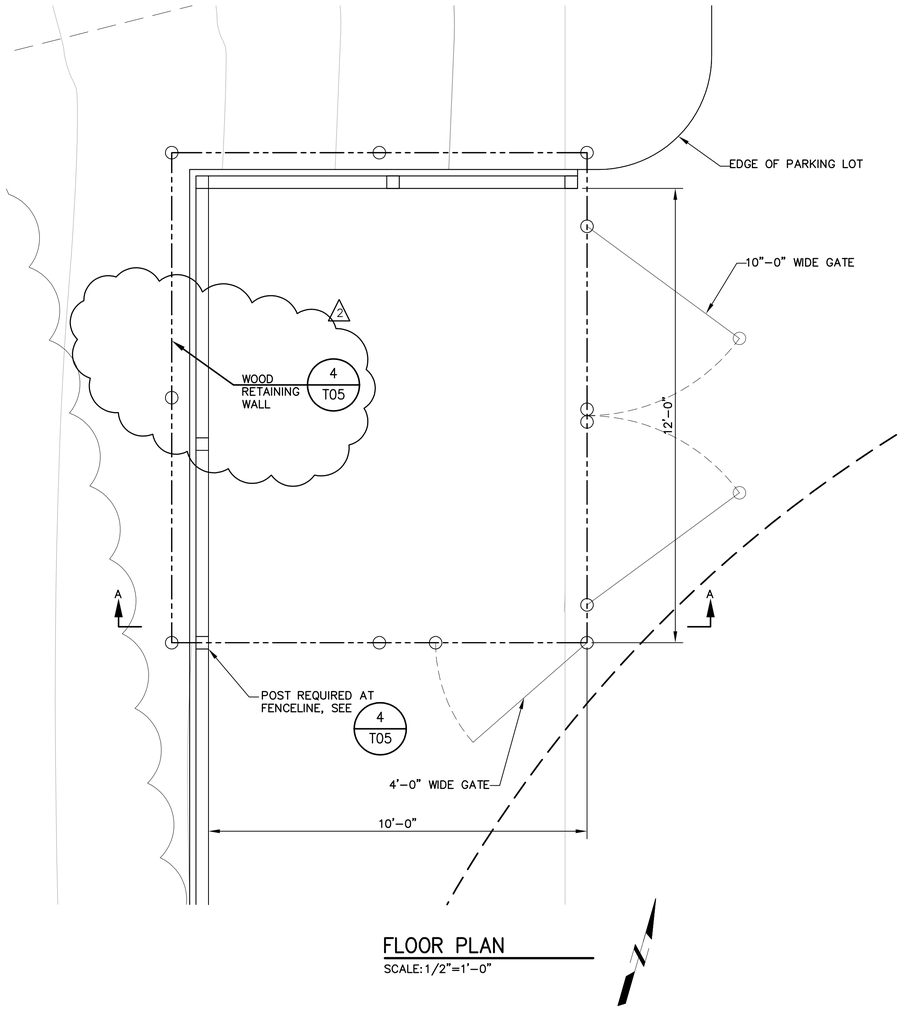
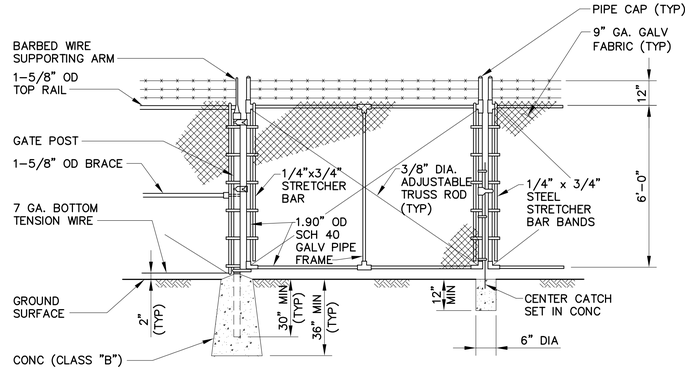
NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
CIVIL
WATER TANK DETAILS

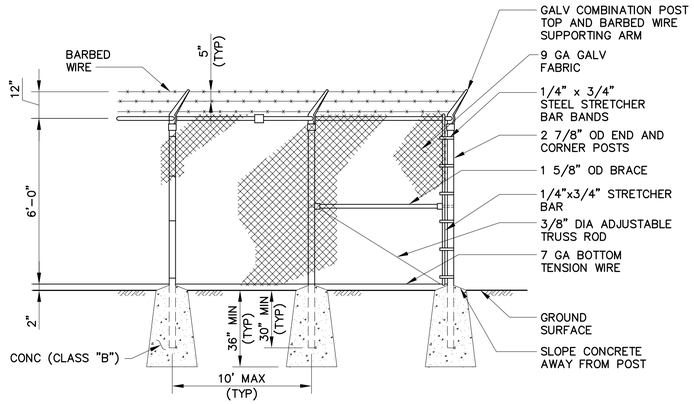
Scale: AS NOTED
Drawing No.: C03.05
Sheet No.: 30 of 70



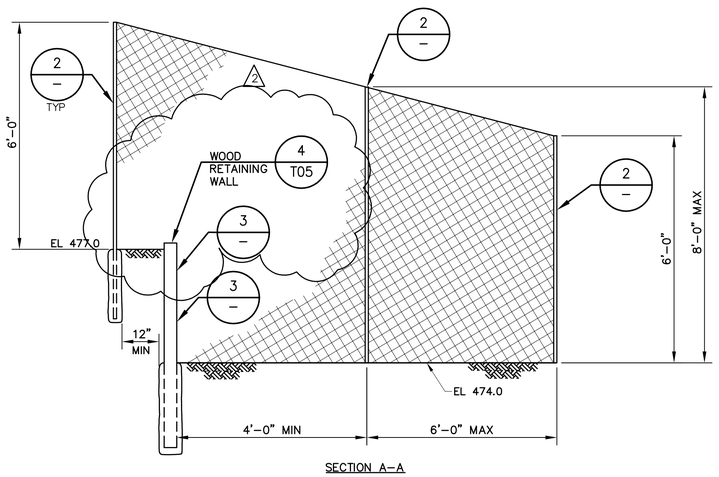
FLOOR PLAN
SCALE: 1/2"=1'–0"



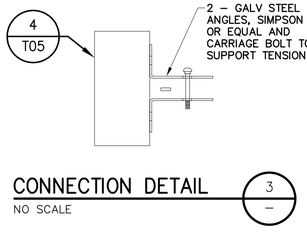
GATE DETAIL
NO SCALE
1
TYP



FENCE DETAIL
NO SCALE
2
TYP



SECTION A–A



CONNECTION DETAIL
NO SCALE
3
–

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SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER
STEFANIE A. KEMEN
No. C72653
EXP. 6–30–16
CIVIL
STATE OF CALIFORNIA
7/2/2014

Rev	Date	By	Description
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			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PUBLIC WORKS & ENVIRONMENTAL HEALTH COMMENTS

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Drawn JAC
Checked SAK
Job No. 6NAP010100

PSOMAS
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NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
CIVIL
TRASH/RECYCLING AREA PLAN & DETAILS

Scale: AS NOTED
Drawing No.: C07.01
Sheet No.: 37 of 70

NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL ALL SIGNS PER SPEC SECTION 10431.

* PROVIDE ADDRESSING AT MAIN ENTRANCE. MINIMUM 4" REFLECTIVE VISIBLE FROM BOTH DIRECTIONS OF BERRYESSA–KNOXVILLE ROAD.

PATH OF TRAVEL
PATH OF TRAVEL
WATER TREATMENT BUILDING
RECYLING
NO PARKING FIRE LANE
CB (F)
DO NOT ENTER
NO ADA
ADA PARKING
STORE
WELCOME
FLOATING DOCK
SWIMMING
NO ADA
SLOW
CENTER POD
DO NOT ENTER
A PLAZA GROUP
REST ROOM
ACTIVITY SHELTER GROUP
COMBO BLDG GROUP
CENTER POD
SOUTH POD
DO NOT ENTER
ACTIVITY SHELTER GROUP
TENT ID (TYP)
NO PARKING FIRE LANE
NO PARKING FIRE LANE
NO PARKING FIRE LANE
NO PARKING FIRE LANE
WELCOME*
SLOW

SCALE: 1"=80'

80 40 0 80FT

P:\6NAP01010\WATRES\TASKS\CD\SHEETS\38-6NAP0101-C0801.dwg

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BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER STEFANIE A. KEMEN No. C72653 EXP. 6-30-16 CIVIL STATE OF CALIFORNIA

7/2/2014

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			ISSUED FOR BIDS
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Designed ELL
Drawn JAC
Checked SAK
Job No. 6NAP010100

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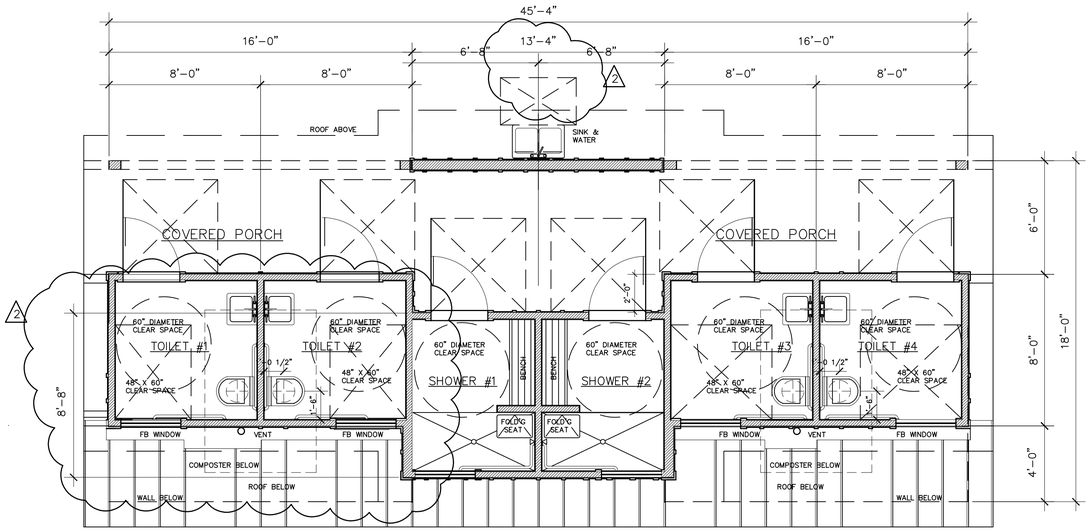
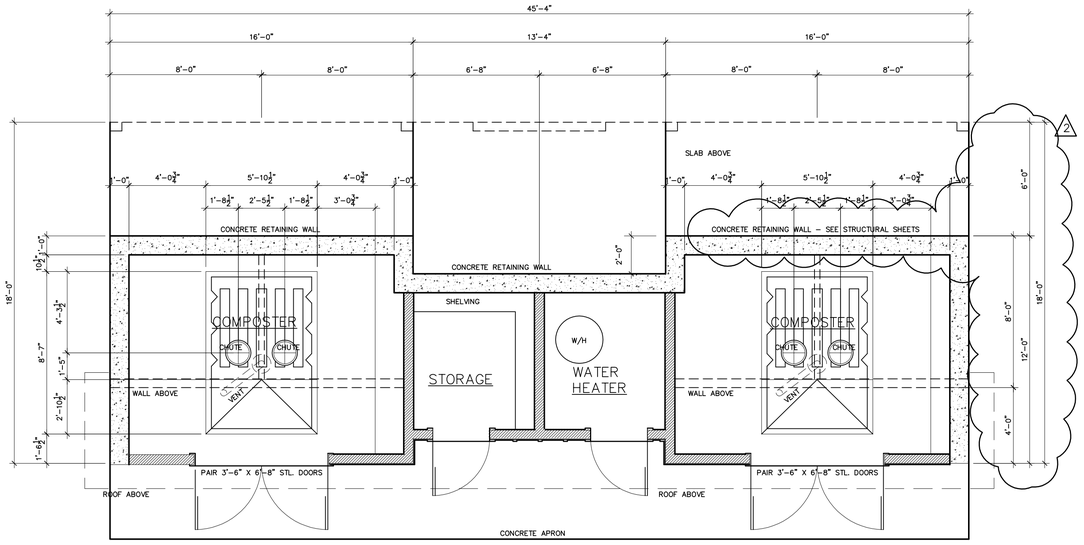
NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
CIVIL
SIGNAGE PLAN & DETAILS

Scale AS NOTED
Drawing No. C08.01
Sheet No. 38 of 70



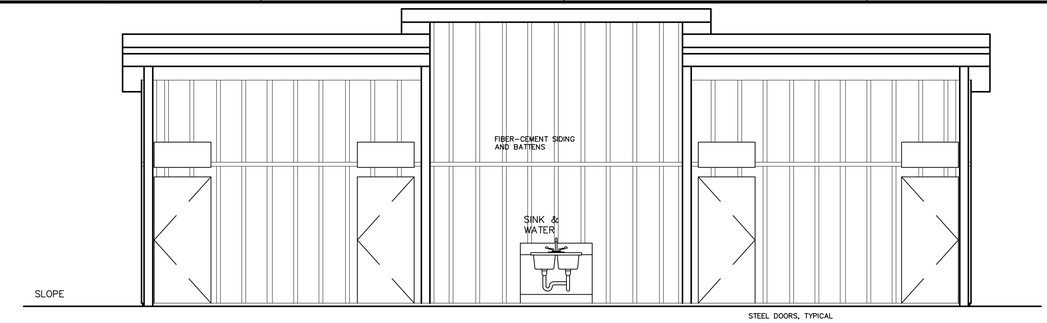
TOILET FLOOR PLAN

SCALE: 1/4"=1'-0"



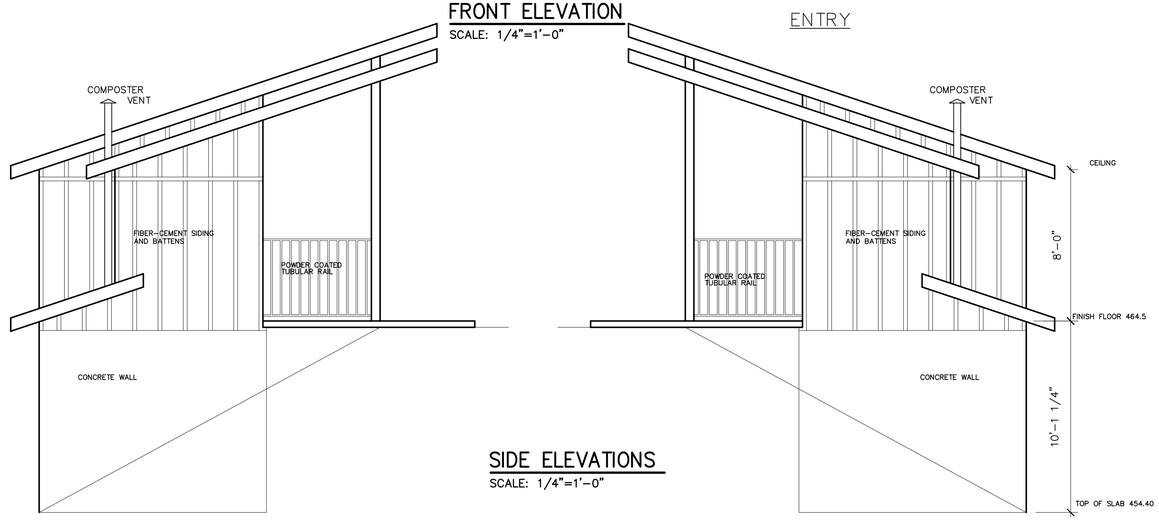
BASEMENT FLOOR PLAN

SCALE: 1/4"=1'-0"



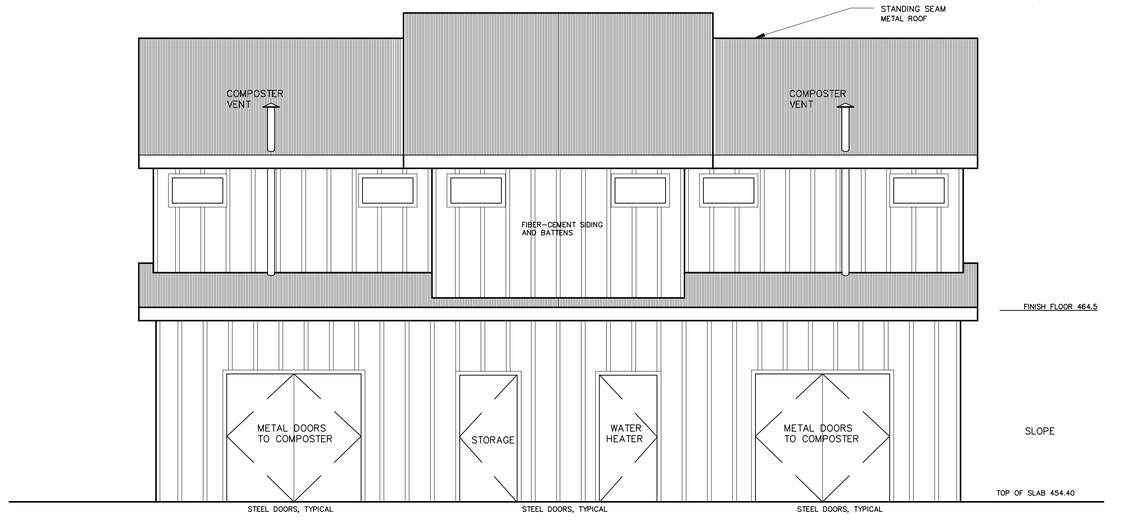
FRONT ELEVATION

SCALE: 1/4"=1'-0"



SIDE ELEVATIONS

SCALE: 1/4"=1'-0"



REAR ELEVATION

SCALE: 1/4"=1'-0"

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER STEPHANIE A. KEMEN No. C72653 EXP. 6-30-16 CIVIL STATE OF CALIFORNIA

7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
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2	8/29/14	SK	PUBLIC WORKS COMMENTS

Designed ELL
Drawn JAC
Checked SAK
Job No. 6NAP010100

PSOMAS
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Roseville, Ca 95678
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NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS

COMBO BUILDING
FLOOR PLANS & ELEVATIONS

Scale AS NOTED
Drawing No. C09.01
Sheet No. 39 of 70

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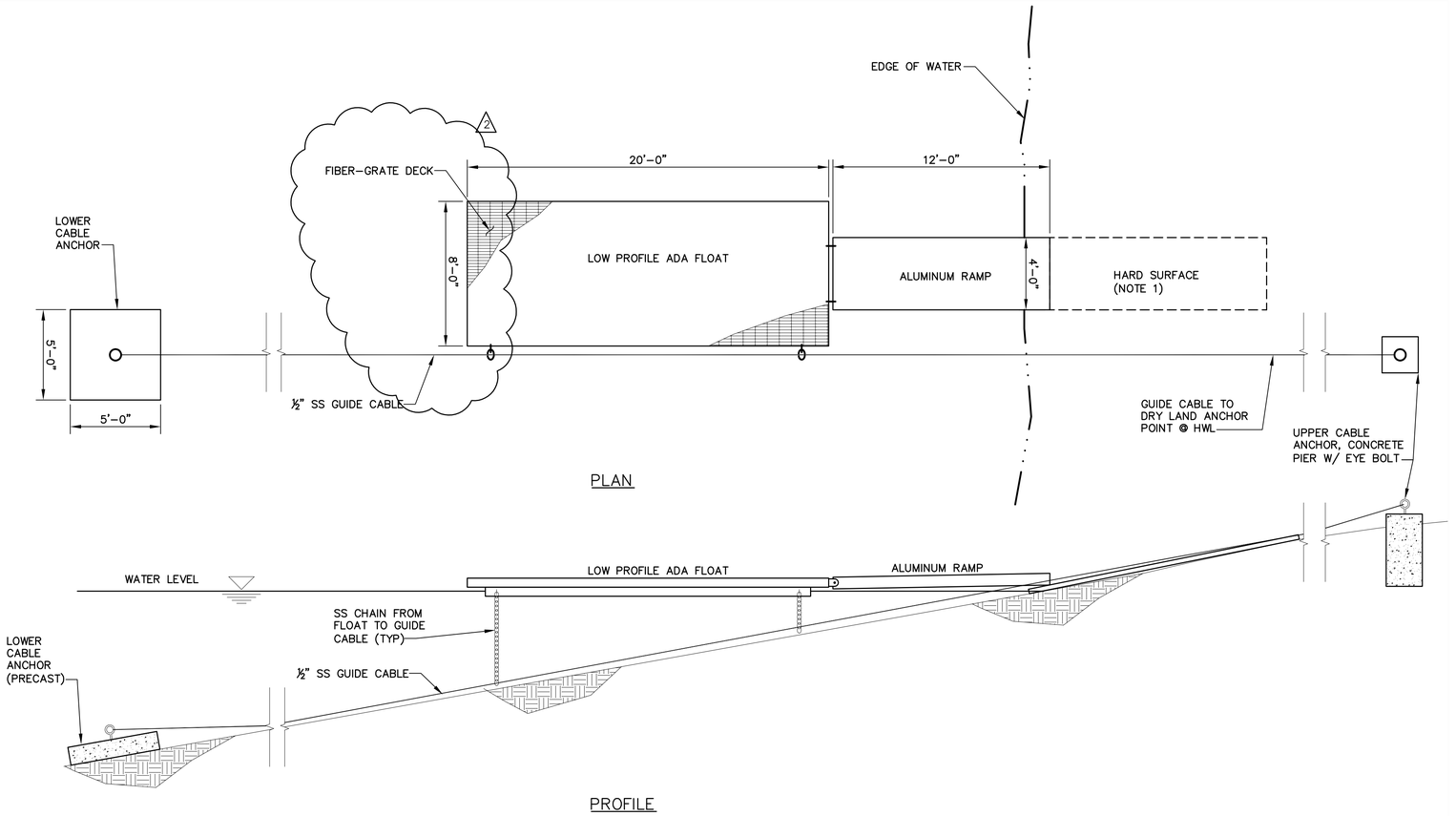
SKEMEN

NOTES:

1. MATERIAL TO BE DETERMINED. FLOOR MAT, USED CONVEYOR BELT OR OTHER MATERIAL.



PLAN

PROFILE

DETAIL 1 / C11.01
SCALE: NTS

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BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER — STEFANIE A. KEMEN — No. C72653 — EXP. 6-30-16 — CIVIL — STATE OF CALIFORNIA

7/2/2014

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Checked	SAK
Job No.	6NAP010100

ELL
JAC
ELL

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CAMP BERRYESSA IMPROVEMENTS
CIVIL
FLOATING DOCK – PLAN & PROFILE

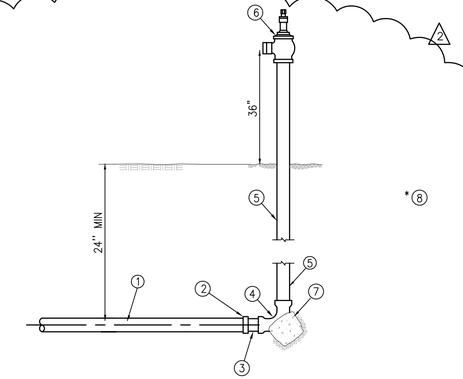
Scale: NONE
Drawing No.: C11.02
Sheet No.: 42 of 70

BILL OF MATERIALS

1) C900 PIPE, 4" , LENGTH AS REQUIRED
2) 4" PVC FLANGE ADAPTER W/ 4" THREADED COMPANION FLANGE
3) 4" GS NIPPLE
4) 4" GS 90° ELBOW
5) GALVANIZED STEEL PIPE, 4", LENGTH AS REQUIRED
6) WHARF HYDRANT W/ 2 1/2" HOSE CONNECTION
7) CONCRETE THRUST BLOCK WITH 2 SQ. FT. MIN BEARING AREA, 0.60 CU FT MIN CONCRETE
8) ADD BLUE REFLECTOR ADJACENT TO HYDRANT, ON ROAD.

NOTES

1) PAINT WHARF HYDRANT RED



WHARF HYDRANT ASSEMBLY DETAIL — 1 TYP
NO SCALE

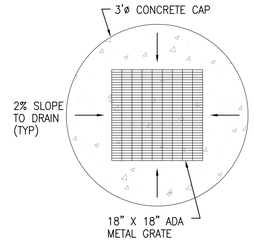
BILL OF MATERIALS

1) HDPE PIPE, 1" LENGTH AS REQUIRED
2) 1" X 3/4" COUPLING
3) STAINLESS STEEL STRAP
4) 3/4"ø GS PIPE
5) 4" X 6" SYNTHETIC POST
6) ADA, SPRING LOADED, BIB TAP
7) 3'ø CONCRETE GRADE RING
8) 3/4" DRAIN ROCK

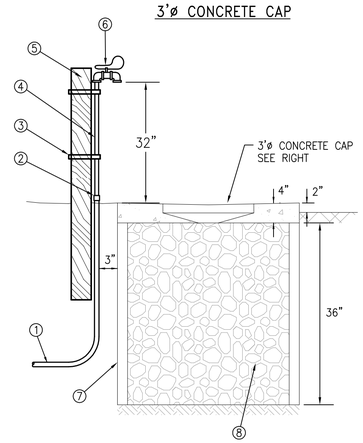
NOTE:

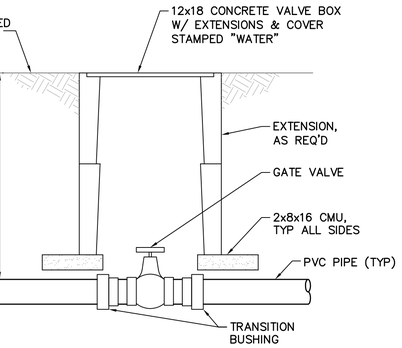
1) PROVIDE TEN (10) FOOT HORIZONTAL SEPARATION BETWEEN WATER SERVICELINE AND DOMESTIC SEWER OR SEWER SERVICELINE.
2) FOR ACCESSIBLE BIB CONNECTIONS PLACE 3' MIN. AC PAVEMENT FROM EDGE OF CONCRETE CAP IN ALL DIRECTIONS AND EXTEND 5' WIDE MIN. TO ROADWAY.

WATER SERVICE ASSEMBLY DETAIL — 2 TYP
NO SCALE

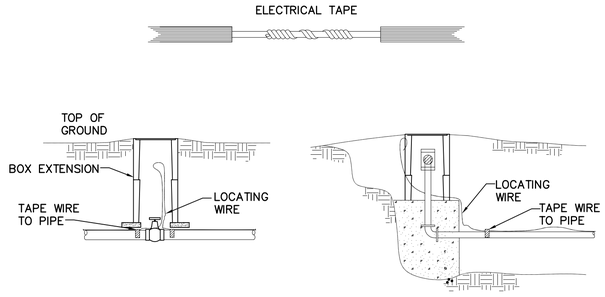


3'ø CONCRETE CAP

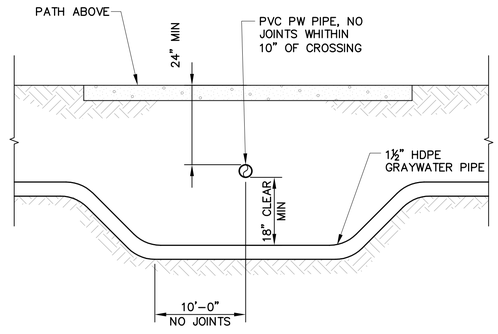




BURIED VALVE DETAIL — 3 TYP
NO SCALE



LOCATING WIRE DETAIL — 4 TYP
NO SCALE



POTABLE WATER/GRAYWATER CROSSING DETAIL — 5 TYP
NO SCALE

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER — STEFANIE A. KEMEN — No. C72653 — EXP. 6-30-16 — CIVIL — STATE OF CALIFORNIA
7/2/2014

Rev	Date	By	Description
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Designed ELL | Drawn JAC | Checked DWH | Job No. 6NAP010100

PSOMAS
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Tel (916) 788-8122
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NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
TYPICAL DETAILS 1

TYPICAL DETAILS 1

Scale: AS NOTED
Drawing No.: T01
Sheet No.: 44 of 70

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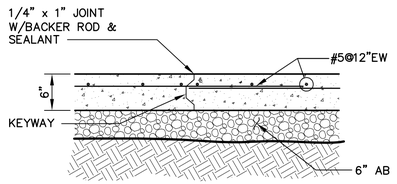
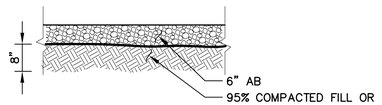
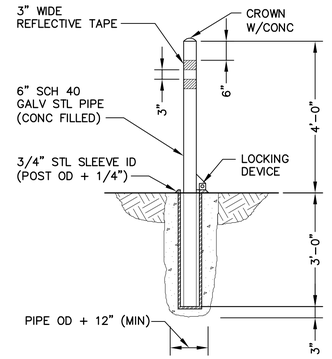
SKEMEN



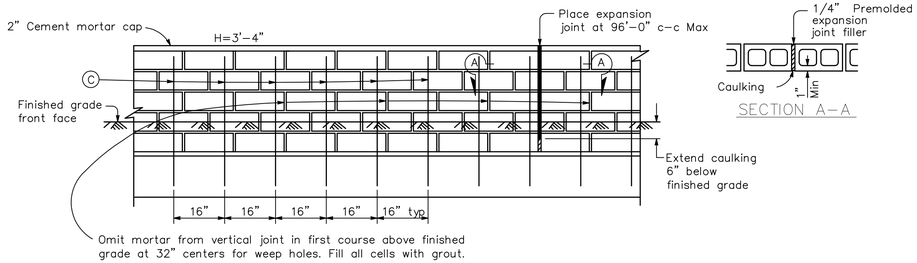
TRASH BIN PAD DETAIL — 5 TYP
NO SCALE



AB ROAD DETAIL — 6 TYP
NO SCALE

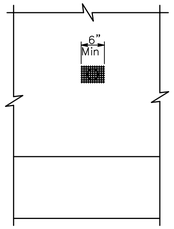


REMOVABLE BOLLARD DETAIL — 7 TYP
NO SCALE

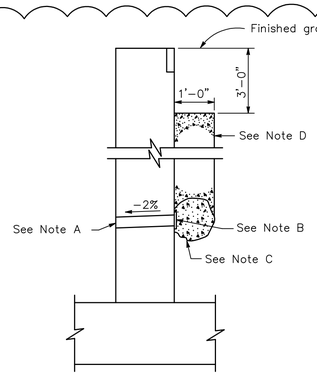


ELEVATION — MASONRY CONSTRUCTION

SECTION A–A



ELEVATION



SECTION

DETAIL 3–1
WEEP HOLE AND PERVIOUS BACKFILL

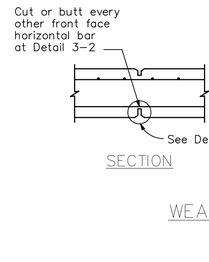
NOTES:

A. 4" Ø Drains @ 25'–0" maximum center to center, 9'–0" center to center for Type 3 and 9'–3" center to center for Type 4 retaining walls. For walls adjacent to sidewalks or curbs, provide 4" plastic pipe under the sidewalk to discharge thru curb face. Exposed wall drains shall be located 3"± above finished grade.

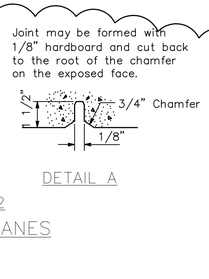
B. 6" square aluminum or galvanized steel wire ½" mesh hardware cloth, minimum wire diameter 0.025". Anchor firmly to backface.

C. One cubic foot pervious backfill material in a nonwoven filter fabric, securely tied.

D. Pervious backfill material continuous behind retaining wall or abutment.

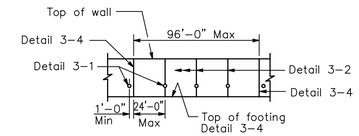


SECTION

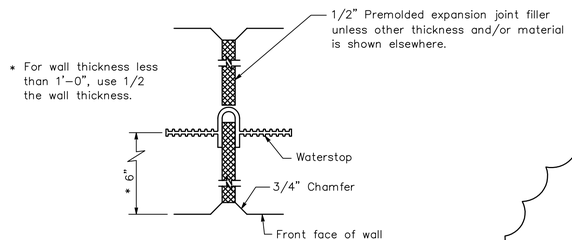


DETAIL A

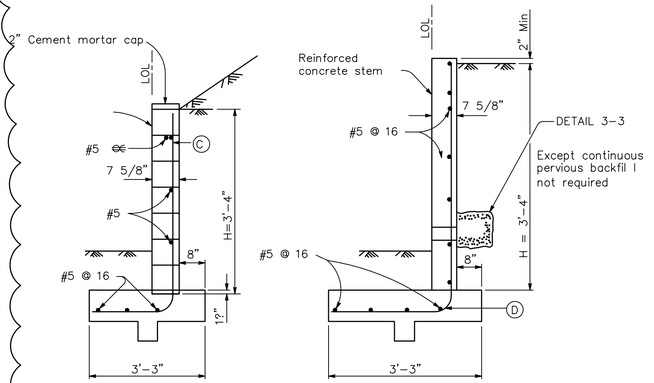
DETAIL 3–2
WEAKENED PLANES



DETAIL 3–3
WALL EXPANSION JOINTS
AND WEAKENED PLANES



DETAIL 3–4
WALL EXPANSION JOINT



Design H	3'-4"
C	#5 @ 16
D	#5 @ 15

NOTES:

1. The Contractor will have the option of constructing the wall of either masonry or reinforced concrete.
2. For reinforced concrete wall stem joint details, See detail 3–3 and 3–4.
3. No splices are allowed on C bars.
4. At D bar, no splices are allowed within 1'–8" above the top of footing.

DESIGN DATA

Masonry: f_m = 500 psi f'_m = 1,500 psi f_s = 24,000 psi n = 20

Reinforced Concrete: f_c = 1,450 psi f'_c = 3,600 psi f_s = 24,000 psi n = 10

Earth = 120 lb/ftÂ

Minimum allowable soil bearing capacity of foundation material = 2.0 ksf

RETAINING WALL — 8 C03.02
NO SCALE

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER — STEFANIE A. KEMEN — No. C72653 — EXP. 6-30-16 — CIVIL — STATE OF CALIFORNIA

7/2/2014

Rev	Date	By	Description
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2	8/29/14	SK	PUBLIC WORKS COMMENTS

Designed: MAP
Drawn: JAC
Checked: DWH
Job No.: 6NAP010100

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NAPA COUNTY REGIONAL PARK
AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS

TYPICAL DETAILS

TYPICAL DETAILS 2

Scale: AS NOTED
Drawing No.: T02
Sheet No.: 45 of 70

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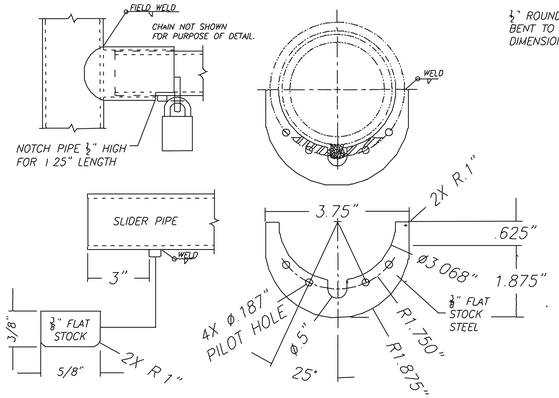
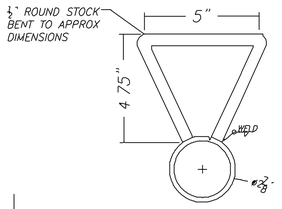
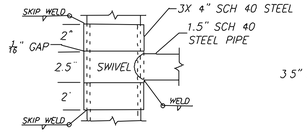


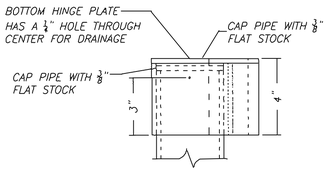
DETAIL A – LOCK

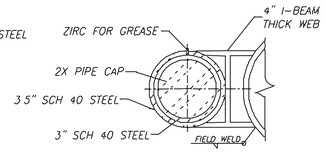


DETAIL B – HANDLE



DETAIL C – HINGE

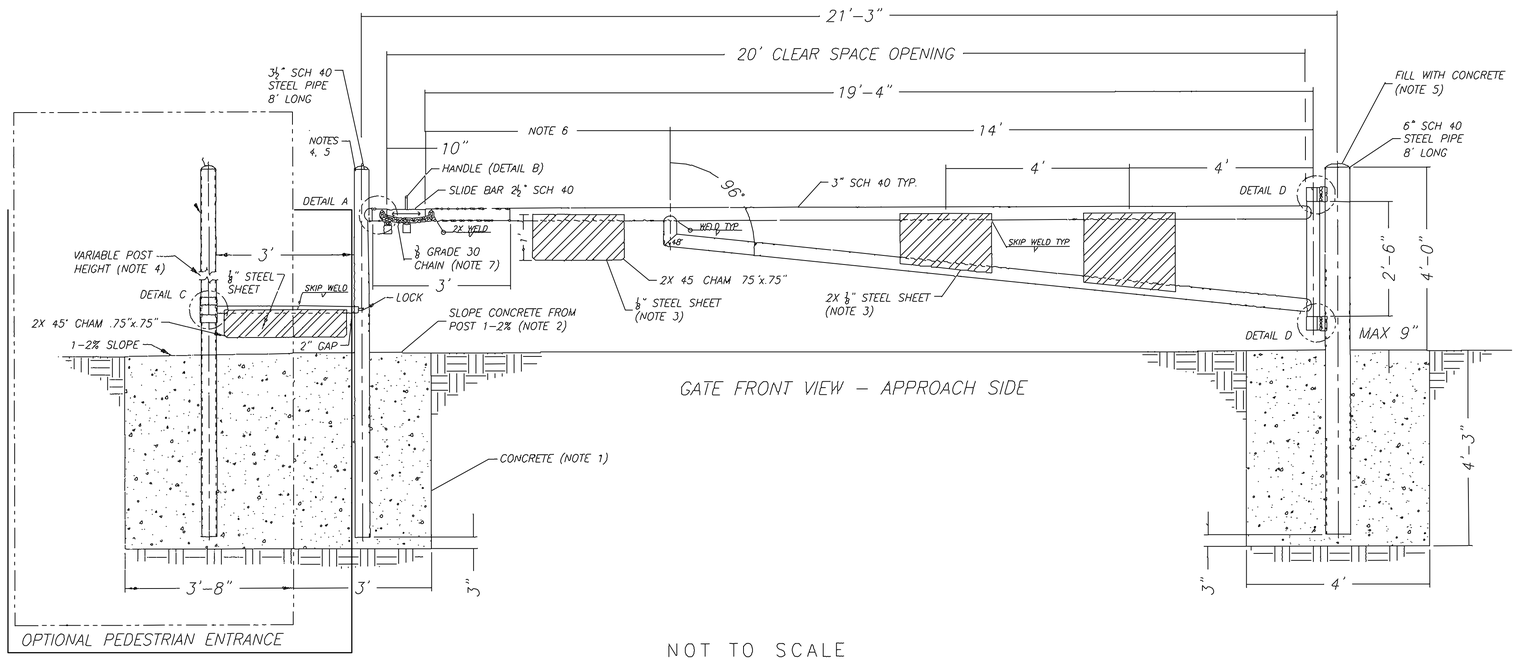




DETAIL D – HINGE

NOTES

NOTE 1 – 5 SACK CONCRETE. ALLOW 14 DAY CURE PRIOR TO INSTALLING PIPE GATE.
NOTE 2 – SLOPE CONCRETE AWAY FROM POSTS 1–2% MAX.
NOTE 3 – 1/8" STEEL SHEET USED FOR SIGN ATTACHMENT.
NOTE 4 – PEDESTRIAN GATE POST HEIGHT MAY CHANGE FOR CONNECTING TO VARIOUS FENCES
NOTE 5 – FILL POSTS WITH CONCRETE.
NOTE 6 – GATE WIDTH CAN BE CHANGED TO MEET CLEAR SPACE REQUIREMENTS BY CUTTING END LENGTH OF PIPE.
NOTE 7 – 3/8 GRADE 30 CHAIN INSTALLED FOR SECURITY CONTROL OPTIONS
NOTE 8 – GRIND ALL OUTSIDE WELDS, SHARP EDGES AND CORNERS SMOOTH
NOTE 9 – INSTALL GATE POSTS PLUMB.
NOTE 10 – ALL WELDS 3/8" MINIMUM.

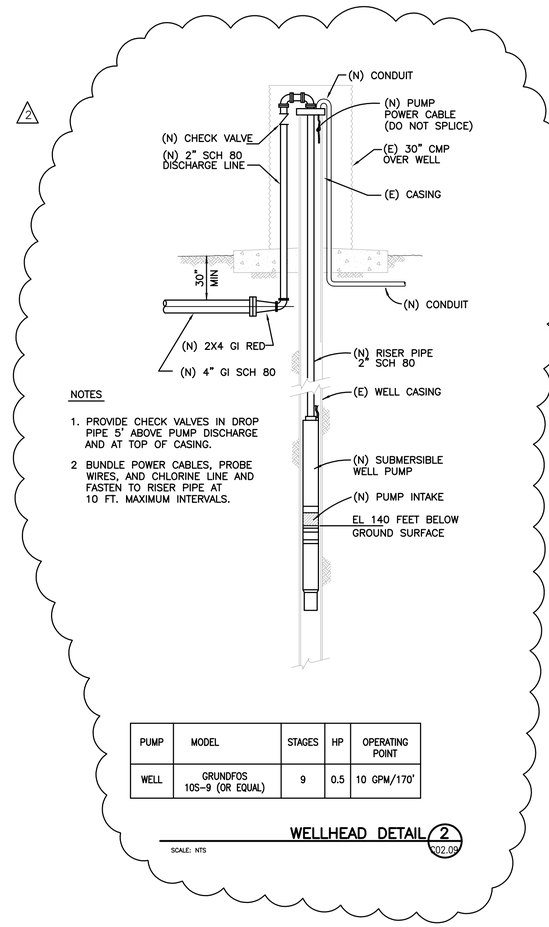


GATE FRONT VIEW – APPROACH SIDE

PEDESTRIAN ENTRANCE NIC

NOT TO SCALE

GATE DETAIL 1 TYP
NO SCALE



NOTES

1. PROVIDE CHECK VALVES IN DROP PIPE 5' ABOVE PUMP DISCHARGE AND AT TOP OF CASING.
2. BUNDLE POWER CABLES, PROBE WIRES, AND CHLORINE LINE AND FASTEN TO RISER PIPE AT 10 FT. MAXIMUM INTERVALS.

PUMP	MODEL	STAGES	HP	OPERATING POINT
WELL	GRUNDFOS 10S-9 (OR EQUAL)	9	0.5	10 GPM/170'

WELLHEAD DETAIL 2
SCALE: NTS
T02.09

P:\6NAP010100\WATRES\TASKS\CD\SHEETS\46-6NAP0101-T03.dwg
SKEMEN

BID DRAWINGS

REGISTERED PROFESSIONAL ENGINEER – STEFANIE A. KEMEN – No. C72653 – EXP. 6-30-16 – CIVIL – STATE OF CALIFORNIA
7/2/2014

Rev	Date	By	Description
			ISSUED FOR BIDS
			ISSUED FOR CONSTRUCTION
2	8/29/14	SK	PUBLIC WORKS COMMENTS
1	8/12/14	SK	WELL PUMP TO BE INSTALLED

Designed: ELL
Drawn: JAC
Checked: SAK
Job No.: 6NAP010100

PSOMAS
1075 Creekside Ridge Drive, Suite 200
Roseville, Ca 95678
Tel (916) 788-8122
Fax (916) 788-0600

0 LINE IS 2 INCHES AT FULL SCALE 2"
IF LINE IS NOT 2" SCALE ACCORDINGLY

NAPA COUNTY REGIONAL PARK AND OPEN SPACE DISTRICT
CAMP BERRYESSA IMPROVEMENTS
TYPICAL DETAILS
DETAILS 3

Scale: NONE
Drawing No.: T03
Sheet No.: 46 of 70