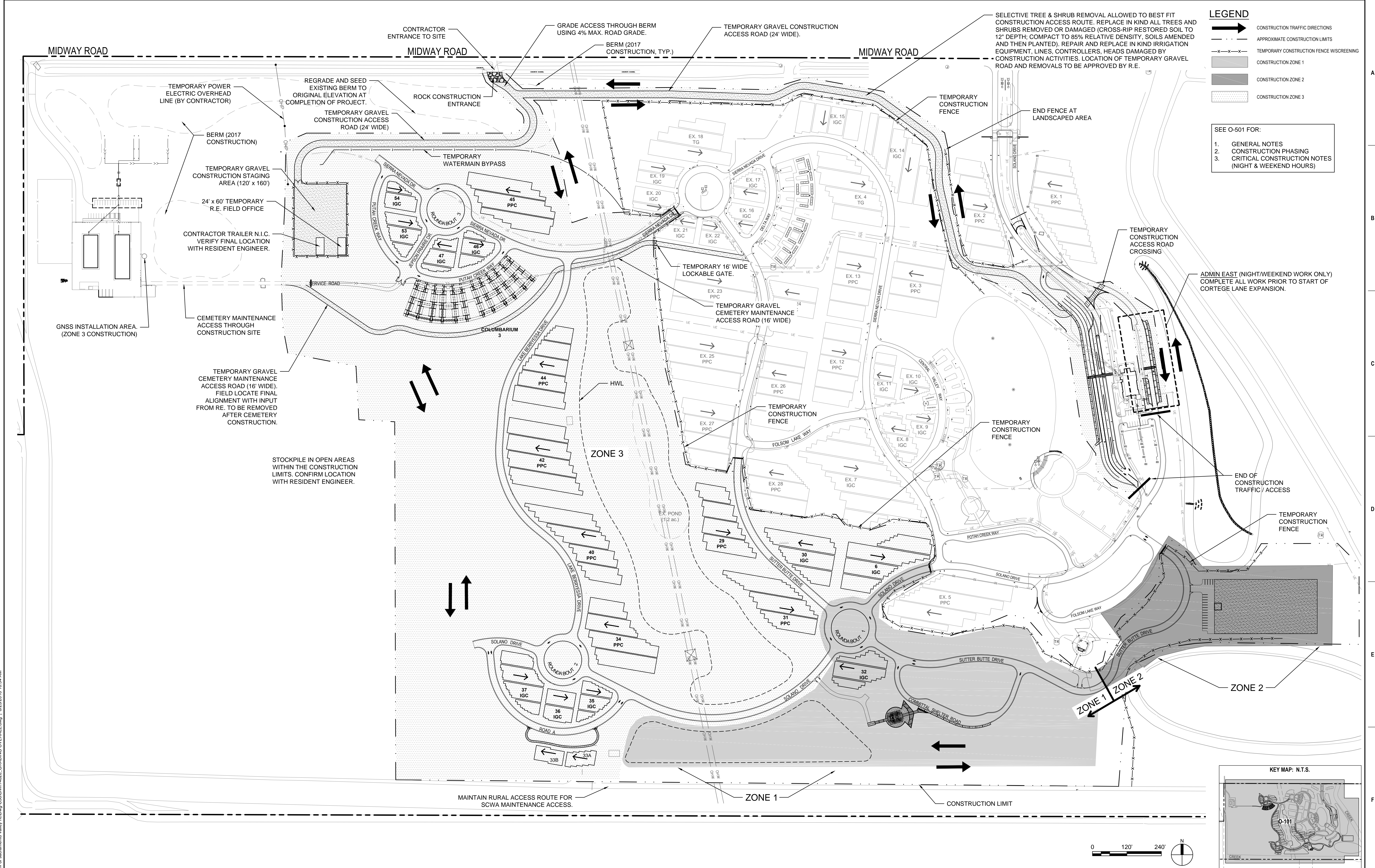
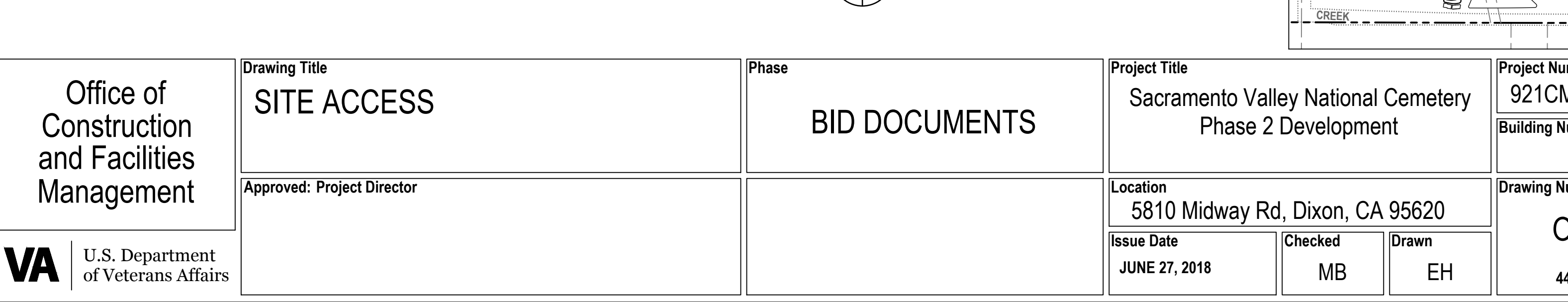
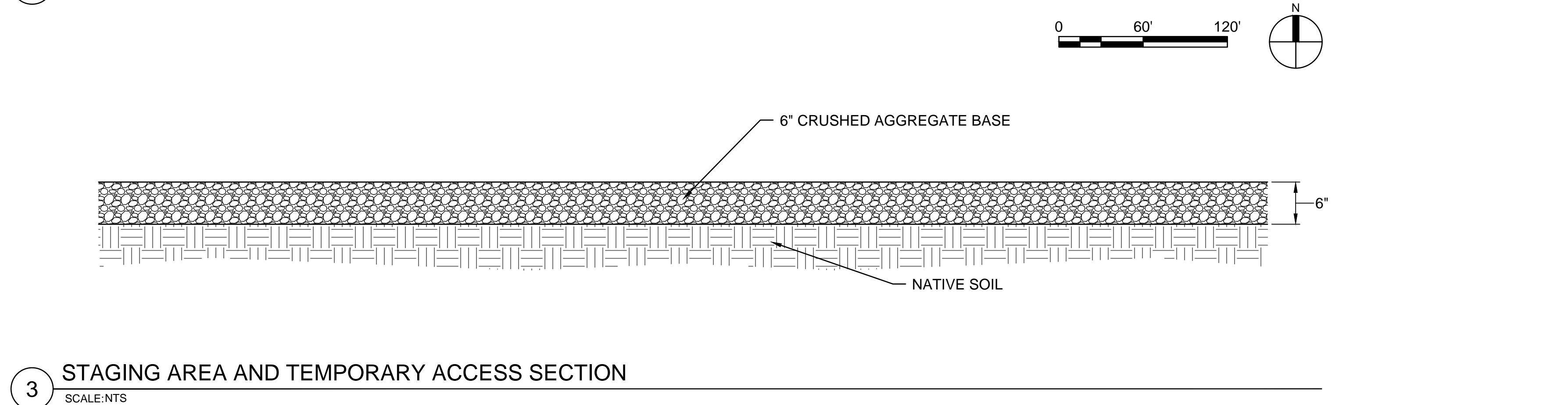


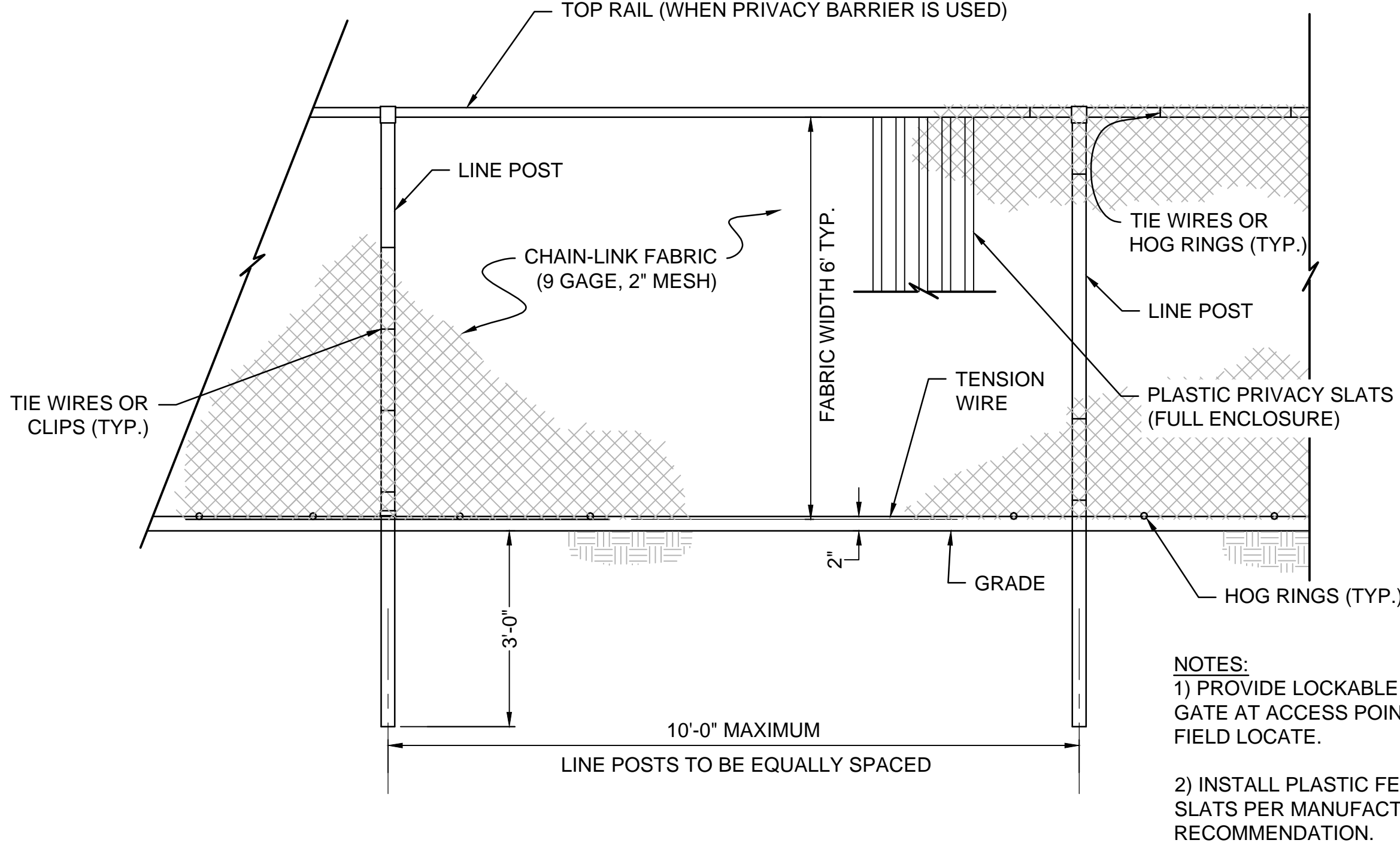
three inches = one foot
one and one-half inch = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



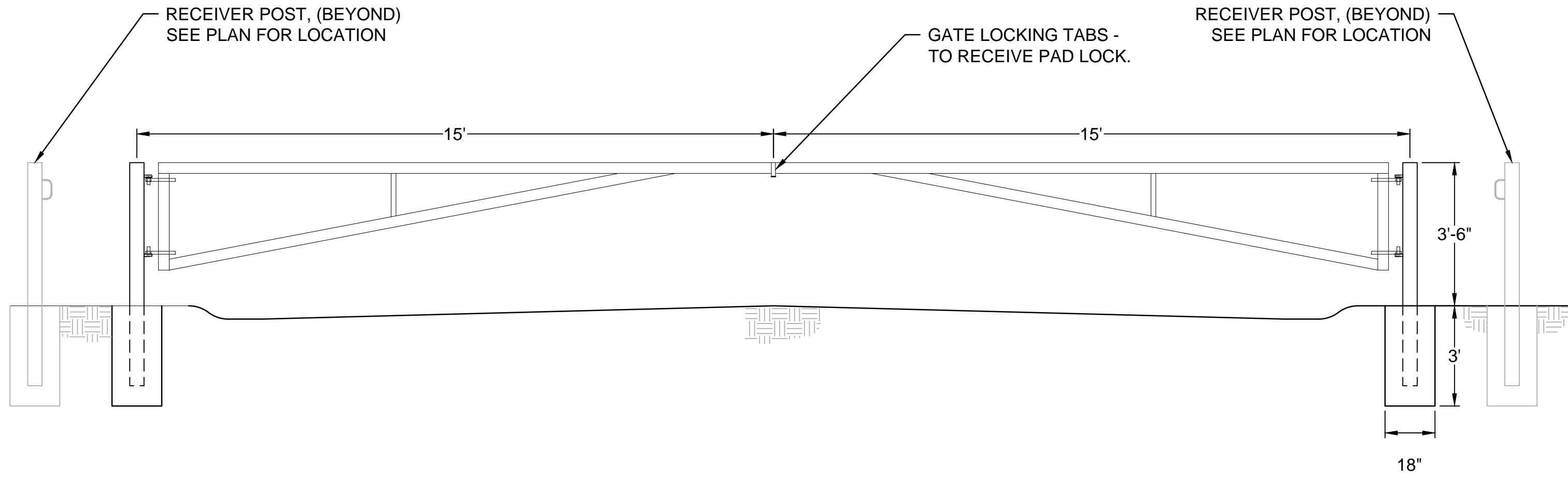
CONSULTANTS Structural Engineering, Electrical Engineering: HDR Engineering, Inc. 2365 Iron Point Rd. #500 Folsom, CA 95630 (916)-817-4824 Duane Hodgins Irrigation: Aqua Engineering, Inc. 373 Horseshoe Rd., Bldg. 2-202 Fort Collins, CO 80525 (970)-372-6104 Robert Beccard Cost Estimating: CPMI, Inc. 3265 Northwood Cir., Ste. 170 Eagan, MN 55121 (952)-854-3663 Bryan Bertrand Geotechnical Engineering: Terracon Consultants, Inc. 50 Goldenland Ct., Ste. 100 Sacramento, CA 95834 (916)-928-4690 Robert Holmer		ARCHITECT/ENGINEER OF RECORD Project Management, Architecture, Landscape Architecture, Cemetery Planning, Civil Engineering, Land Surveying: Anderson Engineering of MN, LLC 15065 1st Ave. N., Ste. 100 Plymouth, MN 55441 (763)-412-4000 Michael Brandvold, Project Manager ANDERSON ENGINEERING ENGINEERING • ARCHITECTURE • LAND SURVEYING ENVIRONMENTAL SERVICES • LANDSCAPE ARCHITECTURE		STAMP Professional Engineer ROBERT A. ANDERSON C 80261 Exp. 9-30-18 06/27/2018 STATE OF CALIFORNIA	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title CONSTRUCTION ACCESS & PHASING Approved: Project Director	Phase BID DOCUMENTS	Project Title Sacramento Valley National Cemetery Phase 2 Development Location 5810 Midway Rd, Dixon, CA 95620 Issue Date JUNE 27, 2018 Checked MB Drawn EH	Project Number 921CM2007 Building Number Drawing Number O-101 43 OF 262
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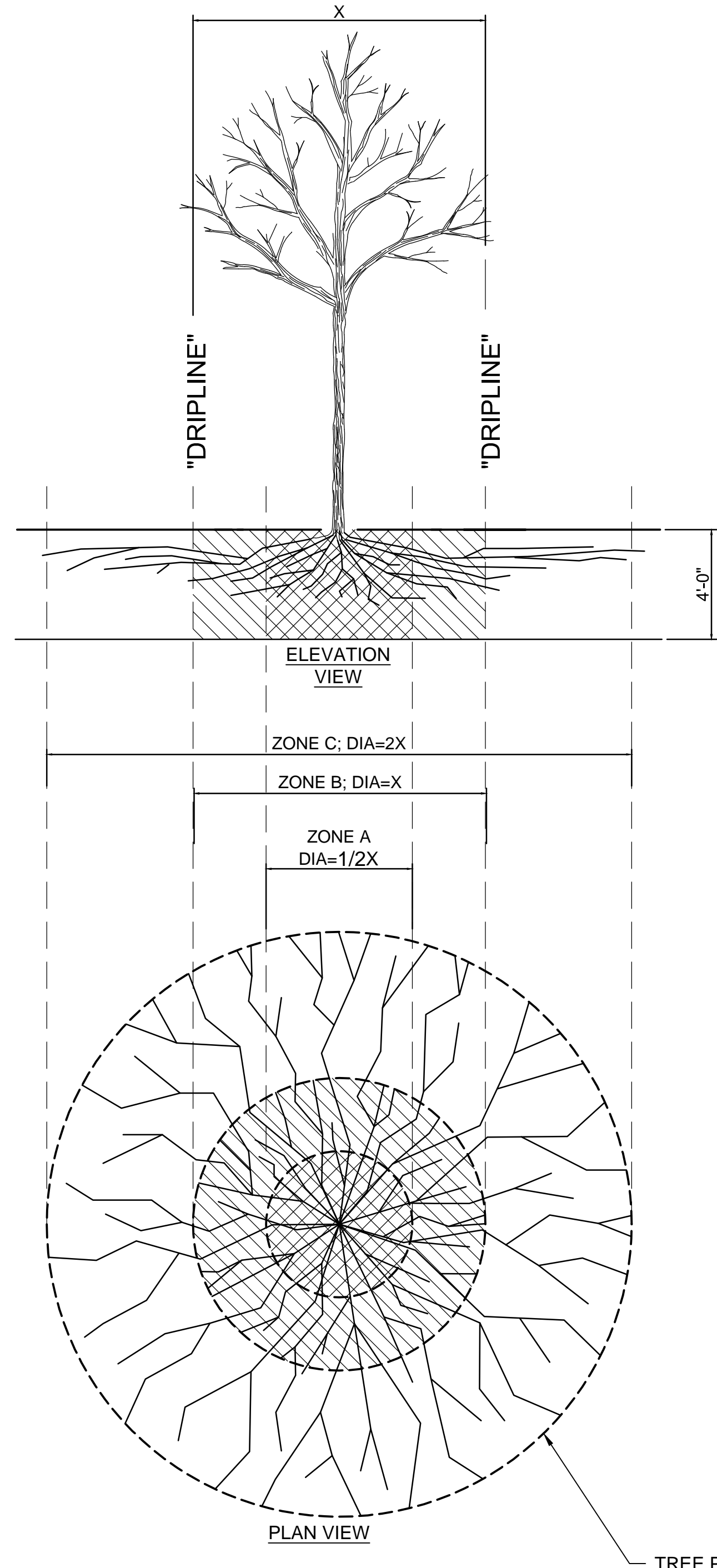
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three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot
one-sixteenth inch = one foot



1 TEMPORARY CHAIN-LINK FENCE
SCALE: N.T.S.



2 30' DOUBLE BARRIER BAR GATE
SCALE: N.T.S.



3 TREE PROTECTION DETAIL
SCALE: N.T.S.

FENCING/ROOT PROTECTION
4' HIGH FENCING SHALL BE PROVIDED AND MAINTAINED AT THE DRIPLINE OF EACH TREE OR AROUND A GROUP OF TREES AT THE DRIPLINE OF OUTSIDE TREES.

RE APPROVAL IS REQUIRED FOR USE/ACCESS WITHIN ZONE B. PERMISSION FOR USE/ACCESS REQUIRES SURFACE PROTECTION FOR ALL UNFENCED, UNPAVED SURFACES WITHIN ZONE B AT ALL TIMES.

- * SURFACE PROTECTION MEASURES**
- 1. MULCH LAYER, @ 6"-8" DEPTH
 - 2. 3/4" PLYWOOD
 - 3. STEEL PLATES

TRENCHING / EXCAVATION

ZONE A (CRITICAL ROOT ZONE)
[DEFINED AS TRUNK DIAMETER MULTIPLIED BY 0.5]

- 1. NO DISTURBANCE ALLOWED WITHOUT SITE-SPECIFIC INSPECTION AND APPROVAL OF METHODS TO MINIMIZE ROOT DAMAGE
- 2. SEVERANCE OF ROOTS LARGER THAN 2 INCHES IN DIAMETER REQUIRES AN ENGINEER'S APPROVAL
- 3. TUNNELLING REQUIRED TO INSTALL LINES 3 FEET BELOW GRADE OR DEEPER

ZONE B (DRIPLINE)
[MAXIMUM WIDTH OF BRANCH EXTENSION ON TREE]

- 1. OPERATION OF HEAVY EQUIPMENT AND/OR STOCKPILING OF MATERIALS SUBJECT TO RE APPROVAL
- 2. SURFACE PROTECTION MEASURES REQUIRED
TRENCHING ALLOWED AS FOLLOWS:
 - EXCAVATION BY HAND OR WITH HAND-DRIVEN TRENCHER MAY BE REQUIRED
 - LIMIT TRENCH WIDTH. DO NOT DISTURB ZONE A (CRITICAL ROOT ZONE) MAINTAIN 2/3 OR MORE OF ZONE B (DRIPLINE) IN UNDISTURBED CONDITION
- 3. TUNNELLING MAY BE REQUIRED FOR TRENCHES DEEPER THAN 3 FOOT
- 4. USE OF PNEUMATIC AIR WAND AND EXCAVATION MAY BE CONSIDERED WHERE THE TRENCH DEPTH DOES NOT EXCEED 4 FEET

ZONE C (ABSORBING ROOT ZONE)
[DEFINED AS TRUNK DIAMETER MULTIPLIED BY 2.0]

- 1. OPERATION OF HEAVY EQUIPMENT AND OR STOCKPILING OF MATERIALS SUBJECT TO RE APPROVAL
- 2. SURFACE PROTECTION MEASURES MAY BE REQUIRED AND IS TO BE DETERMINED BY RE
TRENCHING WITH HEAVY EQUIPMENT ALLOWED AS FOLLOWS:
 - MINIMIZE TRENCH WIDTH
 - MAINTAIN 2/3 OR MORE OF ZONE C IN UNDISTURBED CONDITION
 - OR AS SPECIFIED BY RE

GENERAL NOTES

SITE ACCESS

- 1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH VA SVNC (SACRAMENTO VALLEY NATIONAL CEMETERY) AND MINIMIZE IMPACTS TO THE CEMETERY ACTIVITIES. CONSTRUCTION ACTIVITIES MAY BE RESTRICTED DURING COMMITTAL SERVICES AND MUST BE COORDINATED WITH SVNC ON DAILY BASIS.
- 2. THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SEQUENCE PLAN TO BE APPROVED BY RESIDENT ENGINEER (RE) BEFORE CONSTRUCTION. THE SEQUENCING PLAN INCLUDED IN THE CONTRACT DOCUMENTS SHALL BE INCORPORATED INTO THE CONTRACTOR'S CONSTRUCTION SEQUENCE PLAN.
- 3. CONSTRUCTION TRAFFIC TO USE MIDWAY ROAD CONSTRUCTION ENTRANCE ONLY. ALL DAMAGE TO MIDWAY ROAD SHALL BE REPAIRED TO MATCH EXISTING SECTION BY CONTRACTOR AT NO COST TO THE GOVERNMENT.
- 4. ONLY CONSTRUCTION WORKER PERSONAL VEHICLES MAY PARK IN THE CONTRACTOR PARKING AND STAGING LOTS.
- 5. CONSTRUCTION VEHICLE PARKING LIMITED TO WORK ZONES ONLY. NO PARKING ON CEMETERY ROADS.
- 6. THE CONTRACTOR IS TO VERIFY PARKING FOR ALL CONSTRUCTION PERSONNEL WITH RE.
- 7. MAINTAIN OPEN ACCESS TO ALL PARTS OF CEMETERY AT ALL TIMES. SCHEDULE LIMITED ROAD CLOSURES FOR UTILITY WORK WITH SENIOR RESIDENT ENGINEER.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY CHAIN LINK FENCE AND TEMPORARY SIGNAGE TO PREVENT ACCESS BY THE PUBLIC TO THE CONSTRUCTION AND STAGING AREAS.
- 9. BEFORE STARTING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A COMPLETE ACCESS PATH / ROUTE FROM THE PROPOSED CONSTRUCTION STAGING AREA ON SITE TO THE AREAS OF WORK TO BE APPROVED BY RE. THE CONTRACTOR SHALL CONSTRUCT AND USE THE APPROVED PRIMARY CONSTRUCTION ACCESS TO THE CONSTRUCTION SITE. CONSTRUCTION VEHICLES AND EQUIPMENT ARE EXPRESSLY PROHIBITED FROM USING THE MAIN ENTRANCE AND EXISTING CEMETERY ROADS.
- 10. THE CONSTRUCTION VEHICLES SHALL NOT USE EXISTING CEMETERY ROADS EXCEPT AT DESIGNATED ROAD CROSSINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THESE CROSSINGS FROM ANY DAMAGE. REPLACE EXISTING ROADWAY ASPHALT USING MILL AND OVERLAY METHOD FOR ENTIRE LENGTH OF AREA USED AS ACCESS AT NO COST TO GOVERNMENT. SEE 2/CR122.
- 11. IF THE EXISTING LIFE SAFETY SYSTEM IS SHUT OFF FOR CONSTRUCTION, THE CONTRACTOR IS TO PROVIDE A 24 HOUR FIRE WATCH UNTIL THE SYSTEM IS BACK ON LINE.
- 12. MAINTAIN ALL ROADS IN CLEAR, SAFE CONDITION. ONGOING STREET SWEEPING SHALL BE EMPLOYED.
- 13. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY FACILITIES, FENCING, CONSTRUCTION DEBRIS AND SIGNAGE BEFORE PROJECT COMPLETION.
- 14. CONTRACTOR TO MAINTAIN TEMPORARY MAINTENANCE ACCESS ROAD AND TEMPORARY GRAVEL CONSTRUCTION ACCESS ROAD DURING CONSTRUCTION.

STOCKPILES

- 1. CONTRACTOR SHALL DETERMINE STOCKPILE LOCATIONS, AND SUBMIT THE LOCATIONS TO THE SENIOR RESIDENT ENGINEER FOR APPROVAL.

DELIVERIES

- 1. CONTRACTOR TO COORDINATE CRYPT DELIVERY IN SECTIONS TO UTILIZE STORAGE LOT FOR THE STAGING OF CRYPTS. STORAGE OF CRYPTS IN OTHER AREAS OF THE CEMETERY SHALL BE APPROVED BY THE SENIOR RESIDENT ENGINEER.

CONSTRUCTION PHASING NOTES

COMPLETE CONSTRUCTION IN THE FOLLOWING SEQUENCE:

ZONE 1 - MUST BE OPERATIONAL AND TURNED OVER TO CEMETERY FOR FULL USE PRIOR TO START OF ZONE 2 WORK.

ZONE 2 - OPERATIONS IN WORK ZONE 2 CAN ONLY COMMENCE UPON COMPLETION OF ZONE 1.

COORDINATE EXACT DELINATION OF ZONE 1 AND ZONE 2 LIMIT WITH RE.

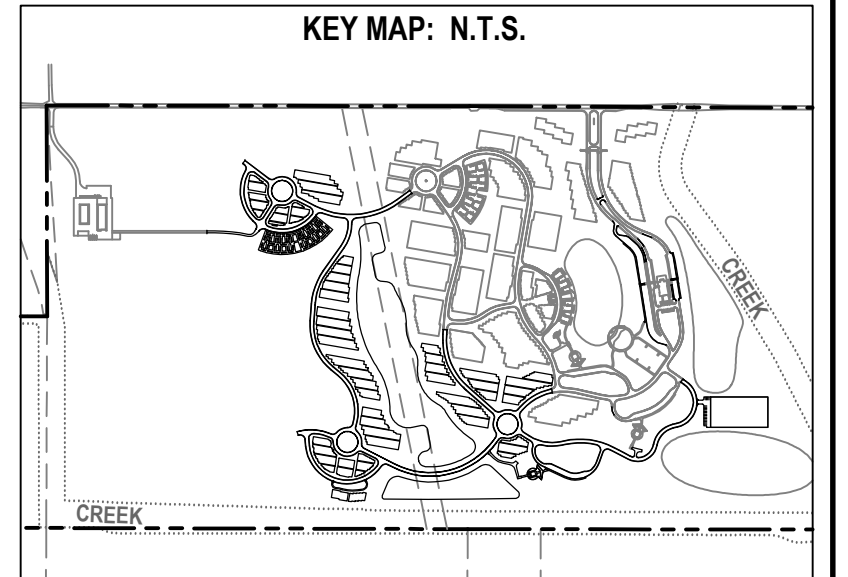
ZONE 3 - WORK ZONE 3 CAN RUN CONCURRENTLY WITH WORK IN ZONE 1 OR ZONE 2. ENCOMPASSES ALL PROJECT WORK NOT IN ZONE 1 OR ZONE 2.



CRITICAL CONSTRUCTION NOTES

NIGHT AND WEEKEND WORK:

COMPLETE PARKING IMPROVEMENTS TO EAST SIDE OF ADMINISTRATION BUILDING AND U-TURN IMPROVEMENTS (DEMO & INSTALL) ONLY AFTER CEMETERY NORMAL BUSINESS HOURS.

ALL WORK ON PARKING AND U-TURN IMPROVEMENTS SHALL BE COMPLETED AND ACCEPTED PRIOR TO START OF WORK ON CORTEGE EXPANSION NEAR WEST SIDE OF ADMINISTRATION BUILDING.



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Revisions:		Date:								 ANDERSON ENGINEERING ENGINEERING • ARCHITECTURE • LAND SURVEYING ENVIRONMENTAL SERVICES • LANDSCAPE ARCHITECTURE								Location 5810 Midway Rd, Dixon, CA 95620		Drawing Number O-501			
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