



**County of Sonoma**  
**Permit and Resource Management Department**  
2550 Ventura Avenue Santa Rosa, CA 95403-2829  
Phone: (707) 565-1900 Fax: (707) 565-1103

Permit Number  
**ENC20-0129**

**To request an inspection, call (707) 565-3551 (5 days advance notice recommended)**

**Refunds** will not be authorized unless circumstances comply with established PRMD refund policy provisions.

**Project Address:** Gabes Rock Rd

**APN:** 000-000-001

**Issue Date:** 11/6/2020

**Activity Type:** Miscellaneous

**To Expire:** 11/6/2023

**Description:** USPS - Gabes Rock Rd GUE - Concrete slab and cluster mailbox units being placed in RoW

**County Road:** Gabes Rock Rd

**Road Nbr:**

**Postmile:**

**Applicant:**

Tyree Fields  
PO Box 889006  
San Francisco, CA 94188  
415-550-5423

**Contractor:**

All 4-1 Concrete  
116 Santa Maria Ave  
San Bruno, CA 94066  
949-328-0582 Lic#: 19-PEOP-00587

**Contact:** Tyree Fields 116 Santa Maria Ave San Bruno, CA 94066 PH#: 949-328-0582

Fee Item	Fee Description	Account Code	Total Fee
0140-010	Technology Enhancement - Type II	26010104-45321-10005	\$18.00
0706-000	Engineering Review - Minimum Clearance	26010111-45061-10005	\$88.00
0420-090	Encroachment Inspection - Fences, Signs etc	26010111-45171-10005	\$527.00
0740-000	NPDES	26010112-45061-10005	\$44.00
3804-000	Public Works Plan Check	34010101-45061-11051	\$114.00
Total Fees:			\$791.00
Total Paid:			\$791.00
<b>Balance Due:</b>			<b>\$0.00</b>

Permittee agrees to accept all responsibility for loss or damage to any person or entity and to indemnify, hold harmless, and defend and release County of Sonoma, its agents, and employees from and against any and all liability actions, claims, damages, costs, or expenses which may be asserted by any person or entity, including Permittee, arising out of or in connection with the willful act or negligence of Permittee performing the work associated with this Encroachment Permit, whether or not there is concurrent negligence on the part of the County, but excluding liability due to the sole active negligence or sole willful misconduct of County.

PERMITTEE AGREES THAT THE WORK ACTIVITY OR EVENT WILL BE CONDUCTED IN ACCORDANCE WITH AND SUBJECT TO THIS PERMIT'S TERMS AND CONDITIONS, THE STATE VEHICLE CODE, THE STATE STREETS AND HIGHWAYS CODE AND IS SUBJECT TO INSPECTION AND APPROVAL.

This permit is to be strictly construed and no work other than that specifically monitored below is authorized hereby. County of Sonoma reserves the right to revoke permit should they conclude the work does not comply with the provisions of this permit. Subject to all the terms, conditions and restrictions written hereon or attached hereto, permission is hereby granted Permittee to:

ATTACHMENTS: (X) Standard Conditions ( ) Signing  
( ) Standard Drawings ( ) Permit Plans  
( ) Driveway Provisions (X) Traffic Control Plans  
(X) Backfill Rock from Approved Source

PLAN CHECK APPROVED

By: \_\_\_\_\_ 11/06/2020  
Susan Milliron Date  
Engineering Technician

**JOB**

APPROVED FOR  
ENCROACHMENT  
November 6, 2020

Susan Milliron

STAFF

ENGINEERING DIVISION - PERMIT INSPECTION RECORD

Sonoma County Permit And Resource Management Department  
2550 Ventura Avenue ❖ Santa Rosa, CA 95403 ❖ Telephone (707) 565-1900

COUNTYWIDE PROJECT

OWNER

ENC20-0129

PERMIT#

12015 GABES ROCK RD, GUE

AREA

JOB ADDRESS

Permit to expire 06/17/2023

DATE ISSUED

USPS

CONTRACTOR

Eric Doble Eric.Doble@sonoma-county.org

CONSTRUCTION INSPECTION CONTACT PERSON

MAILBOX REPLACEMENT

DESCRIPTION OF WORK

AUTOMATED INSPECTION REQUEST SYSTEM

❖ 565-3551 ❖

Our automated inspection request system (for use with a touch tone phone) allows you to schedule next day inspections by calling between the hours of 6:00 a.m. to midnight. You must have your permit number, job address number and the inspection code listed below.

THIS JOB CARD MUST BE AVAILABLE  
AT TIME OF INSPECTION

The current status of this permit is available on our website:  
<http://www.SonomaCountyPermits.org>

RB 1 \_\_\_\_\_ RB 2 \_\_\_\_\_ NPDES \_\_\_\_\_

Scantron CODE	INSPECTION TYPE	Scantron CODE	INSPECTION TYPE
	<b>SITE GRADING &amp; SITE IMPROVEMENTS GRD</b>		<b>STORM WATER</b>
200	SITE GRADING, PRE-CONSTRUCTION (5 DAY NOTICE)	650	SUSMP INSPECTION
201	START WORK (5 DAY NOTICE)	651	S/W PRE-CONSTRUCTION
202	RESUME GRADING ACTIVITY (2 DAY NOTICE)	652	S/W BMPS VERIFICATION
203	SITE GRADING, ROUGH		
204	SUB DRAIN	654	S/W SITE INVESTIGATION
205	SUB GRADE (2 DAY NOTICE)	655	S/W PRE-RAIN SEASON INSPECTION
206	SITE IMPROVEMENTS, PRE-PAVING	656	S/W ENFORCEMENT ACTION COMPLIANCE
207	CONCRETE FLATWORK	657	S/W POST-RAIN SEASON INSPECTION
208	PAD CERTIFICATION		
209	PRE-PAVING (2 DAY NOTICE)	659	STORM WATER FINAL (2 DAY NOTICE)
210	PAVING (2 DAY NOTICE)		
211	STRIPING & SIGNAGE (5 DAY NOTICE)		
212	LIGHTING & SIGNALS (5 DAY NOTICE)		
213	KEYING & BENCHING		
214	SLOPE STABILITY / RETAINING WALL		
215	SOIL REPORT CERTIFICATION		
216	SPECIAL INSPECTION		<b>SEWER SYSTEMS SEW</b>
		430	START WORK (5 DAY NOTICE)
218	PRE-FINAL (5 DAY NOTICE)	431	RESUME SEWER SYSTEM ACTIVITY
219	SITE GRADING, FINAL (2 DAY NOTICE)	432	SEWER TRENCH
220	SUBDIVISION WARRANTY	433	SEWER PIPE / BEDDING
		434	SEWER BACKFILL / COMPACTION
		435	SEWER TESTING
	<b>WATER SYSTEMS WAT</b>		
450	WATER FIELD WORK COMPLIANCE		
451	WATER PIPE INSTALLATION	438	SEWER MANHOLE
452	WATER ENCROACHMENT REQUIREMENTS	439	SEPTIC TANK DESTRUCT W/SEWER CONNECTION
453	WATER WELL DRAWDOWN & YIELD	440	GREASE INTERCEPTOR
454	WATER SYSTEM HYDROSTATIC TEST	441	PUMP SYSTEM
		442	SEWER PRE-PAVING
		443	SEWER PAVING
459	WATER SYSTEM FINAL		
	<b>ENCROACHMENT ENC</b>		
240	START WORK (5 DAY NOTICE)	449	SEWER FINAL (2 DAY NOTICE)
241	ENCROACHMENT TRENCHING		
242	ENCROACHMENT PIPE / BEDDING		<b>FIRE INSPECTIONS</b>
243	ENCROACHMENT BACKFILL / COMPACTION	770	SPRINKLER FINAL
244	ENCROACHMENT PRE-PAVING	771	ABOVEGROUND HYDROSTATIC
245	ENCROACHMENT PAVING	772	UNDERGROUND HYDROSTATIC
		773	UNDERGROUND FLUSH
		774	THRUST BLOCKS
		775	PIPE WELD
249	ENCROACHMENT FINAL	776	HYDRANTS / APPLIANCES
250	PUBLIC IMPROVEMENTS WARRANTY	777	PUMP ACCEPTANCE
		778	WATER SUPPLY / TANK
	<b>DRAINAGE DRN</b>	779	ALARM SYSTEM
640	TRENCH (DRAINAGE PIPE)	780	HOOD & DUCT SYSTEM
641	DRAINAGE PIPE	781	ABOVEGROUND
642	PIPE BACKFILL / COMPACTION	198	FIRE FINAL
643	PIPE STRUCTURES		
644	INLET / OUTLET EROSION PROTECTION		
645	SWALE(S)		
649	DRAINAGE FINAL (2 DAY NOTICE)	699	PERMIT FINAL (5 DAY NOTICE)



APPLICATION FOR ENCROCHMENT PERMIT

ENC-001

**PURPOSE**

To allow work to be performed, or activity to take place within a County Right-of-Way

Check type of activity: ☐ Annual Agency Permit ☐ Sidewalk/Gutter/Pavement ☐ Driveway

☐ Utility Undergrounding ☒ Other **Cement slab installation**

Project **12015 GABES Rock Rd.** Assessor's Parcel Number \_\_\_\_\_

Permittee/Contractor \_\_\_\_\_ Contractor's License \_\_\_\_\_

Mailing Address \_\_\_\_\_

Work Site Address **12015 GABES Rock Rd. GUERNEVILLE, CA 95446**

Contact Person **Tyree FIELDS**

Email **Tyree.L.FIELDS@USPS.gov** Telephone **(949) 328-0582**

Permittee agrees to accept all responsibility for loss or damage to any person or entity and to indemnify, hold harmless, and defend and release the County of Sonoma, its agents and employees of and against any and all liability, actions, claims, damages, costs or expenses which may be asserted by any person or entity, including Permittee, arising out of or in connection with the willful act or negligence of Permittee performing the work associated with this Encroachment Permit, whether or not there is concurrent negligence on the part of the County, but excluding liability due to the sole active negligence or sole willful misconduct of the County.

The undersigned agrees that the work will be done in accordance with and subject to the terms and conditions of this permit, the State Vehicle Code, the State Streets and Highways Code, and is subject to inspection and approval by the Permit and Resource Management Department.

Applicant Signature \_\_\_\_\_ Date \_\_\_\_\_

**PERMIT SONOMA STAFF**

Encroachment Permit Number **ENC20-0129** Planning File Number \_\_\_\_\_

Grading Permit Number \_\_\_\_\_ Building Permit Number \_\_\_\_\_

Sewer Permit Number \_\_\_\_\_

## **COUNTY OF SONOMA DEPARTMENT OF PUBLIC WORKS ENCROACHMENT PERMIT - SPECIAL CONDITIONS**

1. Work performed on the County maintained roads will be conducted by the permit holder named in the issued permit documentation or their subcontractor.
2. Mailboxes shall be placed a minimum of 8'-0" off the edge of pavement to allow vehicles to pull off completely without protruding into the travel way. PRMD inspector to confirm this is satisfied prior to final.
3. Retroreflective tape must be placed on either side of the boxes to increase visibility to drivers.
4. Start work notification is required five (5) days prior to beginning work, contact Permit Sonoma's automated line (707) 565-3551 code 240.
5. Pedestrians will be directed safely around the work area, if necessary.
6. Any signs and debris must be removed from area following the completion of the work.



# ***Standards for Construction Activity Within the County Road Right-of-Way***

**Note: Approval from PRMD Engineering Construction Inspection Staff must be granted prior to commencing any work in the County Right-of-Way. Approval shall be requested by scheduling a “Start Work Notice (Item 240)” using the automated inspection system at (707) 565-3551. Failure to obtain approval to start work will result in penalty fees and/or permit revocation.**

## **I. General**

- a. *Acceptance of the terms of the encroachment permit:* It is understood and agreed by the Permittee that performance of any work authorized by the encroachment permit shall constitute acceptance of all of the terms, provisions, and conditions of the permit and its attachments. Failure to comply with any of terms, provisions, or conditions of the permit and its attachments may result in penalty fees, permit revocation, and/or direction to immediately cease work and vacate the County Road Right-of-Way.
- b. *Standards:* Work shall comply with the latest edition of the State Specifications of the State of California Department of Transportation, County of Sonoma Transportation and Public Works Standards, or other standards and specifications as approved by the permit or its attachments.
- c. *Control of Work:* All work and all materials used to complete the work authorized by the encroachment permit shall be subject to the inspection and approval of the Inspector. Such inspection and approval of the work and materials shall not relieve the Permittee of any of their obligations to complete the work in conformance with all applicable specifications. Work and materials not meeting these requirements shall be rejected. If determined to be unsuitable, work and materials may be rejected even if previously inspected and approved by the Inspector.
- d. *Access to Work:* The Inspector shall have access to the work at all times to determine that the methods, materials and workmanship are in accordance with the terms of the encroachment permits and all applicable specifications. The Inspector may reject defective work and shall require its repair, replacement, or removal by the Permittee.
- e. *Permit On-Site:* The encroachment permit and all of its attachments shall be kept at the job site and must be made immediately available to the Inspector or any law enforcement officer upon demand.
- f. *Trench Permit:* The Permittee shall obtain a trench permit from the California Division of Industrial Safety prior to the excavation of any trench over five feet in depth.
- g. *Other Authorization:* When required, it is the Permittee’s responsibility to ensure that all approval(s) have been obtained by other required jurisdictions.
- h. *Restoration of Right-of-Way:* Upon completion of the construction activity, the right-of-way shall be restored to as good as or better than its pre-construction condition. The permit shall not be finalized until the Inspector is satisfied that the right-of-way has been adequately restored. It is the responsibility of the Permittee to photograph and/or video the right-of-way affected by the work prior to beginning construction, and to make available said photograph(s) and/or video(s) to the Inspector before commencing work. If no such photograph(s) and/or videos are available, the right-of-way shall be assumed to have been in good condition and shall be restored as directed by the Inspector.

- i. *Storage of Material and Equipment:* Unless allowed by the Inspector, no material or equipment shall be stored within ten (10) feet from the edge of the traveled way.
- j. *Approval of Work:* The inspector shall approve all work at the completion of each of the following stages of work and such approval must be obtained before subsequent stages of work may be commenced. The Permittee shall call the automated inspection system at (707) 565-3551 and use the codes provided on the green Engineering Division Permit Inspection Record (job card) to request inspection and/or approval to proceed.
  - 1. Earthwork:
    - Construction of embankments, excavations.
    - Excavation for storm drains and culverts.
    - Preparation of subgrade
    - Back-filling of structures and pipes and public utilities.
  - 2. Concrete work:
    - Construction of forms, for all concrete structures, including curbs, gutters, and sidewalks.
    - Placing of concrete in structures, including curbs, gutters, and sidewalks.
  - 3. Drainage facilities:
    - Placing of storm drains and culvert pipes.
    - Construction of roadside ditches and other drainage ways
  - 4. Roadway construction:
    - Placing and compacting of base material. If more than one course or type of base or sub-base is to be used, approval shall be necessary for each course and/or type.
    - Placing of pavement or surfacing.
  - 5. Final clean-up.
- k. *Additional Work or Facilities:* The Inspector may require additional work or facilities in the course of the construction of the project in order for the improvements to reasonably provide for the intended function or for public safety.
- l. *Maintenance and Repair:* The Permittee agrees by the acceptance of the encroachment permit to exercise reasonable care in properly maintaining any encroachment placed by the Permittee. The Permittee shall exercise reasonable care in inspecting and immediately repairing any damage to any portion of the road right-of-way which occurs as a result of the work done under the encroachment permit. If the Permittee does not repair existing road facilities, County crews may perform the repair work at their cost plus 100% for administration and overhead. The Permittee is responsible for paying the County for these costs within 30 days of receipt of invoice from the County.
- m. *Permit Revocation:* All encroachment permits are subject to revocation for failure to comply with the any of the conditions contained herein, or as deemed necessary by the Inspector for the protection of public safety or the protection of the County road right-of-way.
- n. *Future Removal or Relocation:* In the event of the future improvement of the County road right-of-way necessitating the relocation or removal of the encroachment(s) permitted herein, the permittee shall relocate or remove the same at their sole expense. In such event, written notice shall be served on the permittee specifying the work required and specifying a time within which the work of relocation or removal shall be commenced and completed.
- o. *Conflicting Construction:* When this permit authorizes work that occurs in the vicinity of a County

project, the work conducted under this permit shall be coordinated with the Sonoma County Department of Transportation and Public Works so as not to cause any conflict with said County project, or the encroachment permit shall be revoked.

- p. *Ownership of Land in County Road Right-of-Way:* In many instances, the County does not own the underlying fee of the land in the County road right-of-way; its interest is limited to an easement only. In all such cases, it is the responsibility of the Permittee to obtain the consent of the owner or owners of the underlying fee before undertaking any below surface operations. (Note: Public Utility companies are afforded certain underground rights in the public road right-of-way by State law.)
- q. *Underground Service Alert (U.S.A.) Notification:* The Permittee shall be responsible for notifying U.S.A. Call toll-free (800) 642-2444 at least two working days prior to excavation. The Permittee shall uncover existing buried utilities with utility owner to verify locations and elevations of utilities. Buried utilities include but are not limited to: water, sewer, electrical, gas, cable, and telephone.
- r. *Cultural Resources:* In the event cultural resources (i.e., historical, archaeological, and paleontological resources and human remains) are discovered during grading or other construction activities, work shall be halted within a 100 foot radius of the find. The Northwest Information Center shall be notified at (707) 664-0880. A qualified archeologist shall be consulted for an on-site evaluation. Additional mitigation may be required by the County per the archeologist's recommendations. If human burials or human remains are encountered, the contractor shall also notify the County Coroner at (707) 565-5070.
- s. *Hazardous Materials:* Should hazardous materials, or apparent hazardous materials, be discovered during the course of work, work in the affected area shall be stopped immediately. Emergency Services, or the appropriate agency, and the Inspector shall be immediately notified.
- t. *Existing Striping and Pavement Markings:* All existing striping and pavement markings disturbed by construction activity shall be replaced in kind and shall be approved by the Encroachment Inspector or by the Sonoma County Traffic Engineering Department Inspector.
- u. *Existing Public Signs:* Relocation or removal of existing public signs shall not occur until approval has been obtained by the Inspector.
- v. *Precedent:* This permit is granted with the understanding that this action is not to be considered as establishing any precedent on the expediency of permitting or establishing any precedence on the permitting of a certain kind of encroachment within the County road right-of-way.
- w. *Conflict with Approved Plans:* If this permit contains a set of approved Encroachment plans and a conflict exists between the approved plans and these notes, the more restrictive shall prevail, or the Inspector may determine which is appropriate.

## II. Liability

- a. *Liability for Damages:* Permittee agrees to accept all responsibility for loss or damage to any person or entity and to indemnify, hold harmless, and defend and release the County of Sonoma, its agents and employees of and against any and all liability, actions, claims, damages, costs or expenses which may be asserted by any person or entity, including Permittee, arising out of or in connection with the willful act or negligence of Permittee performing the work associated with this Encroachment Permit, whether or not there is concurrent negligence on the part of the County.

### III. Traffic Control

- a. *Traffic Control Plan:* Permittee shall provide and install all traffic control devices per the CA Supplement to the Manual of Uniform Traffic Control Devices (CA MUTCD) Typical Applications, or as otherwise required on the approved traffic control plan issued as an attachment to the encroachment permit.
- b. *Traffic Control Approval:* No construction activity shall commence until traffic control at the job site has been approved by the Inspector.
- c. *Other Authorization:* Where applicable, the Permittee shall obtain approval from any other jurisdictions necessary to place traffic control devices in their rights-of-way, or shall obtain permission from any applicable entity for the placement of traffic control devices outside of the County of Sonoma's right-of-way.
- d. *Lane of Travel:* One ten foot (10') wide lane shall be kept open at all times, unless otherwise approved by the Inspector or permitted by the approved traffic control plan.
- e. *Flaggers:* Flaggers shall be required per the CA MUTCD, the approved traffic control plan, or at the Inspector's discretion as necessary to protect public safety.
- f. *Pedestrians and Cyclists:* Permittee shall provide for and protect pedestrian and cyclist traffic per the CA MUTCD Typical Applications, the approved traffic control plan, or per the Inspector's direction. Where pedestrian or cyclist traffic is permitted to pass through the work zone, the Permittee shall provide them an appropriate escort.

### IV. Backfill and Paving

- a. *Trench Backfill and Paving:* All trenching in the right-of-way shall conform to Sonoma County Transportation and Public Works Standard Drawing 219, unless otherwise specified on the encroachment permit, the attached approved plans, or as otherwise approved by the Inspector.
- b. *Trench Stability:* If the trench is not stable, remedial work may be required and the Permittee shall be responsible for submitting a proposal to address any unstable trench conditions.
- c. *Compaction Testing:* The Permittee shall hire individuals certified to perform testing in accordance with Caltrans' test method No. 216 Part II or ASTM 1557, and shall provide those test results to the Inspector. As an alternative to testing, the use of the County approved cement backfill (also known as CDF or CLSM) shall be used.
- d. *Compaction Requirements:* The subgrade, Class II Aggregate Base, and AC shall be compacted to 95% relative compaction.
- e. *Minimum Depths:* Underground utilities shall be located per the utility company or agency's standards, but in no case shall they be located any shallower than is allowed by Sonoma County Transportation and Public Works Standard Drawing 219.
- f. *Driveway Trench Crossings:* Trench backfill within driveway crossings shall conform to Sonoma County Transportation and Public Works Standard Drawing 804.



- g. *Temporary Patching:* Any trench within the paved roadway left without final paving shall have cold patch material added at the end of each day. The Permittee, at their expense, shall continually maintain the cold patch, as directed by the Inspector, until the final pavement is placed. Temporary paving shall be completely removed prior to the final paving.
- h. *Paving Provisions:* Permittee shall restore the roadway to as good as or better than its pre-construction condition, as noted in the following:
  - 1. The Permittee shall restore the roadway to its pre-construction condition. Any pavement cracked, broken or damaged by the Permittee during construction shall be replaced or repaired to the satisfaction of the Inspector. This requirement does not preclude the overlaying (in kind) of the entire roadway if deemed necessary by the Inspector.
  - 2. The Permittee shall remove a minimum of 18 inches of existing asphalt between the edge of the trench and the existing edge of pavement or between the edge of the trench and existing lip of the gutter before placing the new asphalt.
- i. *Liquid Anti-Stripping Agent (LAS):* LAS shall be added to the asphalt binder at a rate of 0.5% by weight of asphalt binder. The LAS shall be AD-here LOF 65-00 or equivalent, and shall be stored, measured, and blended with the asphalt binder in accordance with the anti-stripping agent manufacturer's recommended practice. The LAS can be added at the asphalt plant or at the refinery. When added at the asphalt plant, the equipment shall indicate and record the amount of LAS added. If added at the refinery, the shipping ticket from the refinery shall certify the type and amount of LAS added.
- j. *Final Paving:* Unless otherwise approved by the Inspector, final paving shall be applied no later than ten (10) working days after traffic is allowed to pass over the work area.

## V. Work Hours

- a. *Work Hours:* Work shall generally be permitted from 7:00AM - 7:00PM, but shall not begin earlier than one half hour after sunrise or end later than one half hour before sunset, unless otherwise noted in the special conditions of the encroachment permit or as approved by the Inspector.
- b. *Weekends, Nights, and Holidays:* No work shall be performed during weekends, nights, or holidays unless authorized by the Inspector or the special conditions of the encroachment permit.

## VI. Public Safety

- a. *Excavations:* In addition to any other measures taken by the Permittee pursuant to the provisions of the Standard Specifications, Section 7-1.09, "Public Safety", the Contractor shall install temporary K-railing between any lane carrying public traffic and any excavation when the near edge of the excavation is 12 feet (12') or less from the edge of the lane, except for:
  - 1. Excavations covered with non-skid steel plates of adequate thickness to prevent accidental entry by traffic or the public.
  - 2. Excavations less than one foot (1') deep.
  - 3. Trenches less than one foot (1') wide for irrigation pipe or electrical conduit or excavations less than one foot (1') in diameter.
  - 4. Excavations in side slopes where the slope is less than 4:1.
  - 5. Excavations protected by an existing barrier or K-railing.

- b. *Elevation of Pavement:* At the end of each working day if a difference in excess of 0.15 feet exists between the elevation of the existing pavement and the elevation of any excavation within 8 feet of the traveled way, material shall be placed and compacted against the vertical cuts adjacent to the existing pavement at a maximum 4:1 slope.
- c. *Trench Plates:* Trench plates placed in areas whereupon vehicles will travel shall be non-skid steel plates and shall be secured with temporary asphaltic concrete and/or pins as necessary to the Inspector's satisfaction.

#### VIII. Drainage

- a. *Care of Drainage:* Drainage shall not be impaired. If the work permitted herein interferes with drainage, the Permittee shall make ample accommodations as necessary to satisfy the Inspector.
- b. *Maintenance of Drainage:* The Permittee shall maintain drainage throughout the work area. Such maintenance shall include, but is not limited to, keeping all culverts and inlets clean and open.

#### IX. Removal or Trimming of Roadside Trees

- a. *Removal of Trees:* When a permit is issued for removal of a tree, as part of the project, the entire stump shall be taken out to a depth of at least two feet (2') below the ground surface, unless otherwise specified in the permit. The hole left by the stump shall be backfilled, and compacted. The site shall be approved by the Inspector.
- b. *Trimming of Trees:* Tree trimming shall be limited to branches up to two inches (2") in diameter unless otherwise specified by the permit. Scars resulting from trimming shall be appropriately treated.

#### X. Erosion Prevention and Sediment Control

- a. Perform erosion prevention and sediment control in accordance with Chapter 11 Grading, Drainage, and Vineyard and Orchard Site Development.
- b. Work shall conform to the erosion prevention and sediment control best management practices contained in the latest editions of the following publications or an equivalent best management practice:  
  
*Erosion and Sediment Control Field Manual*, San Francisco Bay Regional Water Quality Control Board  
*Manual of Standards for Erosion & Sediment Control Measures*, Association of Bay Area Governments  
*Construction Site Best Management Practices Manual*, Caltrans  
*Stormwater Best Management Practice Handbook*, CA Stormwater Quality Association.
- c. If discrepancies occur between these notes, material referenced herein or manufacturer's recommendations, then the most protective shall apply.
- d. The Permittee is responsible for obtaining and complying with the National Pollutant Discharge Elimination System (NPDES) General Permit No. Cas000002 Waste Discharge Requirements for discharges of storm water runoff associated with construction activity disturbing land equal to or greater than one acre. Construction activities include but are not limited to clearing, grading, excavation, stockpiling, and reconstruction of existing facilities involving removal and replacement.
- e. Preservation of existing vegetation shall occur to the maximum extent practicable.

- f. The Permittee is responsible for preventing storm water pollution generated from the construction site year round. The owner must implement an effective combination of erosion prevention and sediment control on all disturbed areas during the rainy season (October 15 - April 15).
- g. Erosion prevention and sediment control measures shall be inspected by the Permittee before forecasted storm events and after actual storm events to ensure measures are functioning properly. Storm events produce at least 1 inch of precipitation in a 24 hour period. Erosion prevention and sediment control measures that have failed or are no longer effective shall be promptly replaced. Erosion prevention and sediment control measures shall be maintained until disturbed areas are stabilized.
- h. Changes to the erosion prevention and sediment control plan may be made to respond to field conditions. Changes shall be noted on the plan when made.
- i. Discharges of potential pollutants from construction sites shall be prevented using source controls to the maximum extent practicable. Potential pollutants include but are not limited to: sediment, trash, nutrients, pathogens, petroleum hydrocarbons, metals, concrete, cement, asphalt, lime, paint, stains, glues, wood products, pesticides, herbicides, chemicals, hazardous waste, sanitary waste, vehicle or equipment wash water and chlorinated water.
- j. Entrance(s) to the construction site shall be maintained in a condition that will prevent tracking or flowing of potential pollutants offsite. Potential pollutants deposited on paved areas within the County road right-of-way, such as roadways and sidewalks, shall be properly disposed of at the end of each working day or more frequently as necessary.
- k. Exposed slopes shall be protected by using erosion prevention measures to the maximum extent practicable, such as establishing 70% vegetation coverage, hydroseeding, straw mulch, geotextiles, plastic covers, blankets or mats.
- l. Hydroseeding shall be conducted in a three step process. First, evenly apply seed mix and fertilizer to the exposed slope. Second, evenly apply mulch over the seed and fertilizer. Third, stabilize the mulch in place.

Applications shall be broadcasted mechanically or manually at the rates specified below. Seed mix and fertilizer shall be worked into the soil by rolling or tamping. If straw is used as mulch, straw shall be derived from wheat, rice or barley and be approximately 6 to 8 inches in length. Stabilization of mulch shall be done hydraulically by applying an emulsion or mechanically by crimping or punching the mulch into the soil. Equivalent methods and materials may be used only if they adequately promote vegetation growth and protect exposed slopes.

Materials	Application Rate (Pounds per Acre)
Seed Mix	
Bromus mollis (Blando Brome)	40
Trifolium hirtum (Hykon Rose Clover)	20
Fertilizer	
16-20-0 & 15% Sulphur	500
Mulch	
Straw	4000
Hydraulic Stabilizing (Non-asphaltic, derived from plants)	
M-binder or Sentinel	75-100
Equivalent Material	Per Manufacturer

- m. Whenever it is not possible to utilize erosion prevention measures, exposed slopes shall employ sediment control devices, such as fiber rolls and silt fences. Fiber rolls and silt fences shall be trenched and keyed into the soil and installed on contour. Silt fences shall be installed approximately 2 to 5 feet from toe of slope.
- n. The Permittee shall protect storm drain inlets from potential pollutants until drainage conveyance systems are functional and construction has been completed.
- o. Energy dissipaters shall be installed at storm drain outlets which may convey storm water flow leading to soil erosion.
- p. Soil and material stockpiles shall be properly protected to minimize sediment and pollutant transport from the construction site.
- q. Solid waste, such as trash, discarded building materials and debris, shall be placed in designated collection areas or containers. The construction site shall be cleared of solid waste daily, or as necessary, and regular removal and proper disposal shall be arranged.
- r. A concrete washout area, such as a temporary pit, shall be designated to clean concrete trucks and tools. At no time shall concrete products and waste be allowed to enter county waterways such as creeks or storm drains.
- s. Proper application, cleaning and storage of potentially hazardous materials, such as paints and chemicals, shall be conducted to prevent the discharge of pollutants.
- t. When utilized, temporary restrooms and sanitary facilities shall be located and maintained to prevent the discharge of pollutants.
- u. Appropriate vehicle storage, fueling, maintenance and cleaning areas shall be designated and maintained to prevent discharge of pollutants.

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# County of Sonoma

## Department of Transportation and Public Works - Materials Lab

Phone (707) 565-2585 Fax (707) 565-2322

Victor Hayes - Lab Supervisor

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### Approved Source Suppliers

Updated February 2020

Supplier	Location	Phone	Asphalt Concrete	Recycled Aggregate Base CL II	Aggregate Base CL II	Aggregate Subbase	Structural Backfill	CLSM/ Cement Slurry	Portland Cement Concrete
BoDean - Blue Rock Quarry*	Forestville	(707) 887 - 2216			✓	✓	✓		
BoDean - College Ave.	Santa Rosa	(707) 576 - 8205	✓	✓					
BoDean - Mark West Quarry*	Santa Rosa	(707) 573 - 9733			✓	✓	✓		
Canyon Rock Quarry*	Forestville	(707) 887 - 2207		✓	✓	✓	✓	✓	✓
Northgate Ready Mix	Santa Rosa	(707) 575 - 1399						✓	✓
Shamrock Materials	Petaluma, Santa Rosa	800 - 779 - 5777						✓	✓
Stony Point Quarry - Stony Point Rd.	Cotati	(707) 795 - 1775		✓	✓	✓	✓		
Stony Point Quarry - Soils Plus	Sonoma	(707) 996 - 3400		✓	✓	✓	✓		
Superior Supplies	Santa Rosa	(707) 546 - 7864						✓	✓
Syar Industries - Healdsburg Ave.	Healdsburg	(707) 433 - 3366	✓	✓	✓	✓	✓		
Syar Industries - Todd Road	Santa Rosa	(707) 584 - 0262	✓	✓					

The suppliers listed above have been tested by the County of Sonoma Materials Testing Lab. Their materials complied with our requirements at the time of testing (primarily the *State of California Standard Specifications* ). This list does not include all of the suppliers in the area or all the materials that they supply, only the suppliers and the materials that have been tested by our lab. Appearance on this list in no way guarantees the materials currently meet all the requirements for any specific project. The County also reserves the right to sample and test any materials when they are used.    *\*Class II permeable base available*



# maintenance management order

**SUBJECT:** Cluster Box Units (CBU) Concrete Base Designs

**DATE:** August 10, 2004

**NO:** MMO-069-04

**TO:** Maintenance Capable Offices

**FILE CODE:** S2  
Same:MM04057AA

This Maintenance Management Order (MMO) supersedes MMO-066-04, which contained information pertaining to CBU and NDCBU concrete base fabrication and installation. The NDCBU is no longer approved for new or replacement USPS Centralized Delivery Installations. There have been changes to the requirements for the materials used to fabricate and install the CBU bases.

Attachment 1 has procedures for determining if an existing concrete base and/or its embedded anchor bolts are acceptable for reuse or in need of removal if an existing CBU (or NDCBU) is being replaced. Existing bases built to MMO-018-92 specifications may be used if the concrete base is undamaged. The concrete base depth has been decreased from the 12 inches required in MMO-018-92 to the current requirement of 8 inches. All other concrete bases must meet the minimum specifications provided in this MMO.

Attachment 2 has two illustrations containing design details previously published in MMO-018-92 that have been updated with current data. These designs must be used for fabrication and installation of CBU concrete bases. The designs must also be used whenever an existing base is replaced.

Local offices should contract with reputable concrete companies for fabrication and installation of concrete CBU bases. Base designs, which do not conform to the attached design details, must be approved by the local Facilities Service Center Office. If local conditions exist, such as retaining walls or covering of an existing drainage ditch that mitigate the use of these base designs, the Facilities Service Center must approve any new design.

Direct any questions or comments concerning this bulletin to the HelpDesk, Maintenance Technical Support Center, P.O. Box 1600, Norman OK 73070-1600; telephone FTS 2000 (405) 573-2123 or toll free (800) 366-4123.

A soft copy of this bulletin is available on the MTSC web page at:  
<http://www.mtsc.usps.gov/pdf/mmo/2004/mmo06904.pdf>

Earl J. Jones  
Manager (A)  
Maintenance Technical Support Center  
Maintenance Policies and Programs

- Attachments: 1. Recommendations Where Replacement Of An Existing CBU Is Required  
On An Existing Concrete Base
2. illustrations for Fabricating New Concrete CBU Bases

**ATTACHMENT 1****RECOMMENDATIONS WHERE REPLACEMENT OF AN  
EXISTING CBU IS REQUIRED ON AN EXISTING CONCRETE BASE**

**Existing bases built to MMO-018-92 specifications may be used if the concrete base is undamaged. The concrete base depth has been decreased from the 12 inches required in MMO-018-92 to the current requirement of 8 inches. All other concrete bases must meet the minimum specifications provided in this MMO.**

1. If existing 1/2 inch diameter expansion anchor bolts are firmly embedded in the concrete and not damaged or corroded, and the concrete foundation is not damaged, and the bolt hole pattern of the new box matches the installed anchor bolts, then reuse existing concrete base and anchor bolts.

**WARNING**

**Any unused, existing anchor bolts must be cut flush to the level of the concrete surface.**

2. If the bolts are damaged but the concrete is not damaged, use recommended expansion anchor bolts as bolt replacements. Examples of concrete damage include cracking, spalling, or chipping of the concrete.

Expansion anchors bolts must be installed in accordance with the manufacturer's instructions. Replace the concrete if it is less than 6-1/2 inches thick.

Recommended replacement expansion anchor bolts are as follows:

- a. Hilti Kwik Bolt II ([www.us.hilti.com](http://www.us.hilti.com)) - 1/2 inch diameter x 5-1/2 inches overall length

Galvanized, catalog number : 000-453-696

KB II 12-512, stainless steel; catalog number : 000-454-744

**Ensure that the minimum embedment in concrete is at least 3-1/2 inches.**

- b. ITW Ramset Redhead Trubolt ([www.ramset-redhead.com](http://www.ramset-redhead.com))

Galvanized, 1/2 inch diameter x 7 inches overall length

Catalog number: WS-1270G

**Ensure that the minimum embedment in concrete is at least 4-1/8 inches.**

- c. Rawl Stud ([www.rawl.com](http://www.rawl.com))

Galvanized, 1/2 inch diameter x 5-1/2 inches overall length

Catalog number: 7724

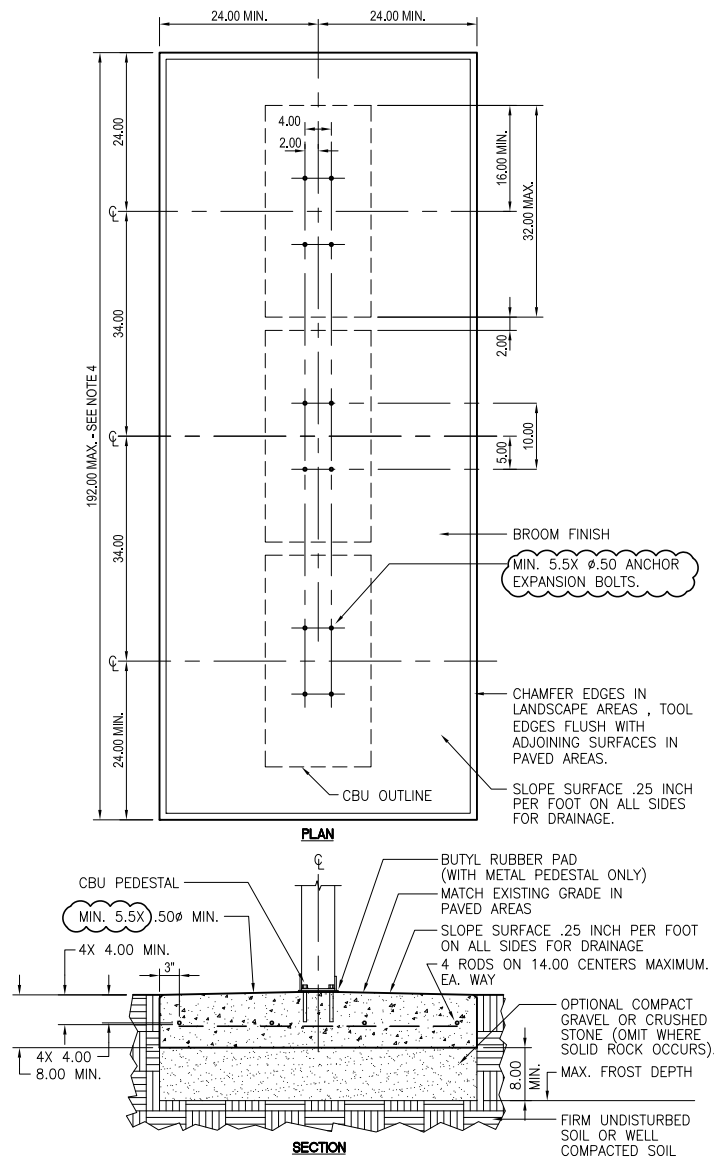
**Ensure that the minimum embedment in concrete is at least 4 inches.**

3. If the concrete is damaged, replacement of the foundation pad is required.



USPS, at the contractor's option and expense, may accept expansion anchors bolts as an alternative to anchor bolts. Expansion anchors bolts shall be as specified above and approved by the contracting officer.

## NOTES TO A/E:



### NOTES:

- CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI @ 28 DAYS, CONTAIN 4% MIN. - 6% MAX. AIR ENTRAINMENT AND BE PLACED WITH A 3.50 - 4.50 SLUMP IN ACCORDANCE WITH ACI 301
- REINFORCING STEEL RODS SHALL CONFORM TO ASTM A615, GRADE 60.
- EXPANSION BOLTS SHALL BE EQUIVALENT TO THE FOLLOWING PROVIDERS:
  - HILTI KWIK BOLT ([www.us.hilti.com](http://www.us.hilti.com)) II-1/2" DIAMETER x 5-1/2" OVERALL LENGTH GALVANIZED, CATALOG #: 000-453-696 KB II 12-512, STAINLESS STEEL; CATALOG #: 000-454-744 ENSURE THAT THE MIN. EMBEDMENT IN CONCRETE IS AT LEAST 3-1/2".
  - ITW RAMSET REDHEAD TRUBOLT ([www.ramset-redhead.com](http://www.ramset-redhead.com)) GALVANIZED, 1/2" DIAMETER x 7" OVERALL LENGTH; CATALOG NUMBER: WS-1270G ENSURE THAT THE MIN. EMBEDMENT IN CONCRETE IS AT LEAST 4-1/8".
  - RAWL STUD ([www.rawl.com](http://www.rawl.com)) GALVANIZED, 1/2" DIAMETER x 5-1/2" OVERALL LENGTH; CATALOG NUMBER: 7724 ENSURE THAT THE MIN. EMBEDMENT IN CONCRETE IS AT LEAST 4".
- A 3 CBU CONFIGURATION IS DEPICTED. A 2 OR 4 CBU CONFIGURATION MAY BE USED AS LONG AS THEY ARE ARRANGED IN GROUPS SUCH THAT THE OVERALL DIMENSION OF THE CONCRETE BASE DOES NOT EXCEED 16 FEET.

Detail:

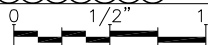
## CLUSTER BOX UNIT (CBU) INSTALLATION - MULTIPLE UNIT

CAD File:

../usps/library/details/G1-2-0e1

Scale:

1/2" = 1'-0"



Fac.

Ch.

Sect.

Para.

Detail

G1-2-0 e1

USPS SDL Issued: 10/1/2016  
Last Revised: 10/27/2016

## Cluster Box Unit (CBU) 13 - 5" High Mailboxes + 1 PL / McGard nuts - Gray [Order](#)

Provided by **SALSBURY INDUSTRIES**

Price: **\$648.89**

Supplier Part No: 1118T4

Unit: EACH

Contract: 3DVDIE-18-B-0041

Description: One box with 13 medium customer delivery compartments, 1 mail collection and carrier access compartment, 1 parcel receptacle (3/4-size) and 4 McGard nuts

### Item Details

Manufacturer Part Number: 1118T4

Manufacturer: Cluster Box Unit Type IV

PSN:

PSIN:

Weight: 175.0000

PreConsumer Recycled Content: 30.0000

PostConsumer Recycled Content: 0.0000

UNSPSC Code: Lockers - 56101520

Last Ordered: 09/20/2019

Added To Catalog: 10/01/2018

Last Updated: 01/26/2019

Additional Info: [Click Here](#)



*Includes  
Pedestal*

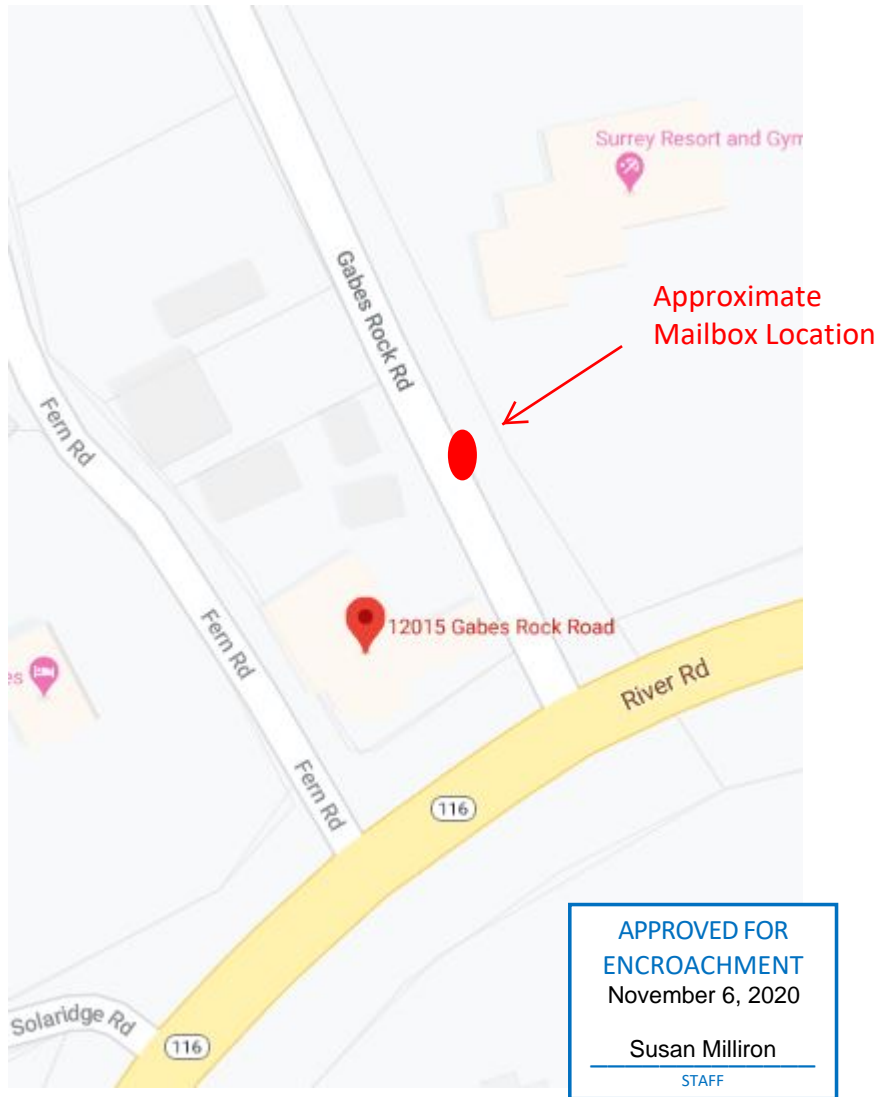


All Aluminum Construction



Environmentally Preferable Product Attributes





**Figure 6H-6. Shoulder Work with Minor Encroachment (TA-6)**

