

**GENERAL CONSTRUCTION AGREEMENT**

**(FOR CONSTRUCTION PROJECTS PERFORMED BY AN AGENCY'S  
CONTRACTOR ON OR ADJACENT TO BNSF'S PROPERTY)**

**BNSF File No.: BF10012142**

**Mile Post 1057.55**

**Line Segment 7200**

**U.S. DOT Number: NA**

**Stockton Subdivision**

This General Construction Agreement ("Agreement") is entered into effective as of \_\_\_\_\_, by and between City of Merced ("Agency "), and BNSF RAILWAY COMPANY ("Railway").

WHEREAS, Railway operates a freight transportation system by rail with operations throughout the United States and Canada; and

WHEREAS, CITY OF MERCED desires to perform certain construction services adjacent to and upon Railway's right of way and/or property, and Railway is willing to allow such services to be performed; and

WHEREAS, Railway does not have connectivity to the track structure within the existing multiuse path; and

WHEREAS, if in the future, Railway requires to construct a new track through the new path, Agency shall remove path to allow for new track construction, and reinstall with a design that is acceptable to Railway. The cost will be borne by Agency.

NOW, THEREFORE, in consideration of Railway entering this Agreement with Agency and granting Agency permission to enter upon the Premises (defined herein), Agency agrees with Railway as follows:

## **SECTION 1. SCOPE OF SERVICES**

Agency will perform the following services, hereinafter described as "Work": Removal of existing multiuse path, removal and proper disposal of severed railroad track bed and ballast material, installation of new multiuse path per the approved plan in Exhibit A.

Performance of the Work will necessarily require agency and any sub-contractors hired by Agency to enter Railway's right of way and property ("Premises") as shown in Exhibit B. Agency agrees that no work will be commenced on the Premises until (i) this Agreement is executed by both Agency and Railway; and (ii) Agency provides the Railway with the insurance contemplated herein. Agency further agrees that if this Agreement is not executed by the City Manager of the Agency, Agency will furnish Railway with evidence certifying that the signatory is empowered to execute this Agreement.

## **SECTION 2. PAYMENT OF FEES**

Railway will not be responsible for paying Agency for the Work performed under this Agreement.

## **SECTION 3. RELEASE OF LIABILITY AND INDEMNITY**

Agency hereby waives, releases, indemnifies, defends and holds harmless Railway for, from and against all judgments, awards, claims, demands, and expenses (including attorney's fees), for injury or death to all persons, including Railway's and Agency's officers and employees, and for loss and damage to property belonging to any person, arising in any manner from Agency's or any of Contractor's subcontractors' acts or omissions or any work performed on or about Railway's property or right of way. **THE LIABILITY ASSUMED BY AGENCY WILL NOT BE AFFECTED BY THE FACT, IF IT IS A FACT, THAT THE DESTRUCTION, DAMAGE, DEATH, OR INJURY WAS OCCASIONED BY OR CONTRIBUTED TO BY THE NEGLIGENCE OF RAILWAY, ITS AGENTS, SERVANTS, EMPLOYEES OR OTHERWISE, EXCEPT TO THE EXTENT THAT SUCH CLAIMS ARE PROXIMATELY CAUSED BY THE WILLFUL MISCONDUCT OR SOLE NEGLIGENCE OF RAILWAY.**

**THE INDEMNIFICATION OBLIGATION ASSUMED BY AGENCY INCLUDES ANY CLAIMS, SUITS OR JUDGMENTS BROUGHT AGAINST RAILWAY UNDER THE FEDERAL EMPLOYEE'S LIABILITY ACT INCLUDING CLAIMS FOR STRICT LIABILITY UNDER THE SAFETY APPLIANCE ACT OR THE BOILER INSPECTION ACT, WHENEVER SO CLAIMED.**

Agency further agrees, at its expense, in the name and on behalf of Railway, that it will adjust and settle all claims made against Railway, and will, at Railway's discretion, appear and defend any suits or actions of law or in equity brought against Railway on any claim or cause of action arising or growing out of or in any manner connected with any liability assumed by Agency under this Agreement for which Railway is liable or is alleged to be liable. Railway will give notice to Agency, in writing, of the receipt or pendency of such claims and thereupon Agency must proceed to adjust and handle to a conclusion such claims, and in the event of a brought against Railway, Railway may forward summons and complaint or other process in connection therewith to Agency, and Agency, at Railway's discretion, must defend, adjust, or settle such suits and protect, indemnify, and save harmless Railway from and against all damages, judgments, decrees, attorney's fees, costs, and expenses growing out of or resulting from or incident to any such claims or suits.

It is mutually understood and agreed that the assumption of liabilities and indemnification provided for in this Agreement will survive any termination of this Agreement.

**SECTION 4. INSURANCE**

Agency shall, at its sole cost and expense, procure and maintain during the life of this Agreement the following insurance coverage:

- A. Commercial General Liability insurance. This insurance shall contain broad form contractual liability with a combined single limit of a minimum of \$2,000,000 each occurrence and an aggregate limit of at least \$4,000,000 but in no event less than the amount otherwise carried by the Agency. Coverage must be purchased on a post 2004 ISO occurrence form or equivalent and include coverage for, but not limit to the following:

- ◆ Bodily Injury and Property Damage
- ◆ Personal Injury and Advertising Injury
- ◆ Fire legal liability

- ◆ Products and completed operations

This policy shall also contain the following endorsements, which shall be indicated on the certificate of insurance:

- ◆ The definition of insured contract shall be amended to remove any exclusion or other limitation for any work being done within 50 feet of railroad property.
- ◆ Waiver of subrogation in favor of and acceptable to Railway.
- ◆ Additional insured endorsement in favor of and acceptable to Railway.
- ◆ Separation of insureds.
- ◆ The policy shall be primary and non-contributing with respect to any insurance carried by Railway.

It is agreed that the workers' compensation and employers' liability related exclusions in the Commercial General Liability insurance policy(s) required herein are intended to apply to employees of the policy holder and shall not apply to ***Railway*** employees.

No other endorsements limiting coverage as respects obligations under this Agreement may be included on the policy with regard to the work being performed under this agreement.

- B. Business Automobile Insurance. This insurance shall contain a combined single limit of at least \$1,000,000 per occurrence, and include coverage for, but not limited to the following:

- ◆ Bodily injury and property damage
- ◆ Any and all vehicles owned, used or hired

The policy shall also contain the following endorsements or language, which shall be indicated on the certificate of insurance:

- ◆ Waiver of subrogation in favor of and acceptable to Railway.
- ◆ Additional insured endorsement in favor of and acceptable to Railway.
- ◆ Separation of insureds.
- ◆ The policy shall be primary and non-contributing with respect to any insurance carried by Railway.

C. Workers Compensation and Employers Liability insurance including coverage for, but not limited to:

- ◆ Agency's statutory liability under the worker's compensation laws of the state(s) in which the work is to be performed. If optional under State law, the insurance must cover all employees anyway.
- ◆ Employers' Liability (Part B) with limits of at least \$500,000 each accident, \$500,000 by disease policy limit, \$500,000 by disease each employee.

This policy shall also contain the following endorsements or language, which shall be indicated on the certificate of insurance:

- ◆ Waiver of subrogation in favor of and acceptable to Railway.

A. Railroad Protective Liability insurance naming only the ***Railway*** as the Insured with coverage of at least \$2,000,000 per occurrence and \$6,000,000 in the aggregate. The policy Must be issued on a standard ISO form CG 00 35 12 04 and include the following:

- ◆ Endorsed to include the Pollution Exclusion Amendment
- ◆ Endorsed to include the Limited Seepage and Pollution Endorsement.
- ◆ Endorsed to remove any exclusion for punitive damages.
- ◆ No other endorsements restricting coverage may be added.
- ◆ The original policy must be provided to the ***Railway*** prior to performing any work or services under this Agreement
- ◆ Definition of "Physical Damage to Property" shall be endorsed to read: "means direct and accidental loss of or damage to all property owned by any named insured and all property in any named insured' care, custody, and control arising out of the acts or omissions of the contractor named on the Declarations.

In lieu of providing a Railroad Protective Liability Policy, Licensee may participate (if available) in Railway's Blanket Railroad Protective Liability Insurance Policy.

**Other Requirements:**

Where allowable by law, all policies (applying to coverage listed above) shall contain no exclusion for punitive damages.

Agency agrees to waive its right of recovery against **Railway** for all claims and suits against **Railway**. In addition, its insurers, through the terms of the policy or policy endorsement, waive their right of subrogation against **Railway** for all claims and suits. Agency further waives its right of recovery, and its insurers also waive their right of subrogation against **Railway** for loss of its owned or leased property or property under Agency's care, custody, or control.

Allocated Loss Expense shall be in addition to all policy limits for coverages referenced above.

Agency is not allowed to self-insure without the prior written consent of **Railway**. If granted by **Railway**, self-insured retention or other financial responsibility for claims shall be covered directly by Agency in lieu of insurance. Any and all **Railway** liabilities that would otherwise, in accordance with the provisions of this **Agreement**, be covered by Agency's insurance will be covered as if Agency elected not to include a deductible, self-insured retention or other financial responsibility for claims.

Prior to commencing the Work, Agency shall furnish to **Railway** an acceptable certificate(s) of insurance from an authorized representative evidencing the required coverage(s), endorsements, and amendments. The certificate should be directed to the following addresses:

BNSF Railway Company  
c/o CertFocus  
P.O. Box 140528  
Kansas City, MO 64114  
Toll Free: 877-576-2378  
Fax number: 817-840-7487  
Email: [BNSF@certfocus.com](mailto:BNSF@certfocus.com)  
[www.certfocus.com](http://www.certfocus.com)

Agency or its insurer shall notify **Railway** in writing at least 30 days prior to any cancellation, non-renewal, substitution, or material alteration.

Any insurance policy must be written by a reputable insurance company acceptable to **Railway** or with a current Best's Guide Rating of A- and Class VII or better, and authorized to do business in the state(s) in which the service is to be provide.

If coverage is purchased on a "claims made" basis, Agency hereby agrees to maintain coverage in force for a minimum of three years after expiration, cancellation or termination of this contract. Annually, Agency agrees to provide evidence of such coverage as required hereunder.

Agency represents that this *Agreement* has been thoroughly reviewed by Agency's insurance agent(s)/broker(s), who have been instructed by Agency to procure the insurance coverage required by this *Agreement*.

Not more frequently than once every five years, *Railway* may reasonably modify the required insurance coverage to reflect then-current risk management practices in the railroad industry and underwriting practices in the insurance industry.

If any portion of the operation is to be subcontracted by Agency, Agency shall require that the subcontractor shall provide and maintain the insurance coverage(s) set forth herein, naming *Railway* as an additional insured, and shall require that the subcontractor shall release, defend, and indemnify *Railway* to the same extent and under the same terms and conditions as Contractor is required to release, defend, and indemnify *Railway* herein.

Failure to provide evidence as required by this section shall entitle, but not require, *Railway* to terminate this *Agreement* immediately. Acceptance of a certificate that does not comply with this section shall not operate as a waiver of Agency's obligations hereunder.

The fact that insurance (including, without limitation, self-insurance) is obtained by Agency shall not be deemed to release or diminish the liability of Agency including, without limitation, liability under the indemnity provisions of this *Agreement*. Damages recoverable by *Railway* shall not be limited by the amount of the required insurance coverage.

In the event of a claim or lawsuit involving *Railway* arising out of this agreement, Agency will make available any required policy covering such claim or lawsuit.

These insurance provisions are intended to be a separate and distinct obligation on the part of the Agency. Therefore, these provisions shall be enforceable and Contractor shall be bound thereby regardless of whether or not indemnity provisions are determined to be enforceable in the jurisdiction in which the work covered hereunder is performed.

For purposes of this section, *Railway* means "Burlington Northern Santa Fe LLC", "BNSF RAILWAY COMPANY" and the subsidiaries, successors, assigns and affiliates of each.

The Contractor must observe and comply with all provisions, obligations, requirements and limitations contained in the Contract, and the Contractor Requirements set forth on Exhibit "C" attached to the Contract and this Agreement, including, but not be limited to, payment of all costs incurred for any damages to Railway roadbed, tracks, and/or appurtenances thereto, resulting from use, occupancy, or presence of its employees, representatives, or agents or subcontractors on or about the construction site. Contractor shall execute a Temporary Construction Crossing

Agreement or Private Crossing Agreement (<http://www.bnsf.com/communities/faqs/permits-real-estate/>), for any temporary crossing requested to aid in the construction of this Project, if approved by BNSF.

**SECTION 5. Intentionally left blank**

**SECTION 6. Intentionally left blank**

**SECTION 7. INDEPENDENT CONTRACTOR**

Agency is considered an independent contractor under this Agreement and neither Agency nor any of its employees, subcontractors, agents or servants are considered employees of Railway in any respect. Agency has the exclusive right and duty to control the work of its employees. All persons employed by Agency or any of its subcontractors under this Agreement are the sole employees of Agency or its subcontractors. Agency will be given general directions and instructions regarding the Work to be performed under this Agreement; however, direct supervision of Agency's employees will be Agency's responsibility and obligation.

**SECTION 8. TRAIN DELAYS**

Contractor is responsible for and hereby indemnifies and holds harmless Railway (including its affiliated railway companies, and its tenants) for, from and against all damages arising from any unscheduled delay to a freight or passenger train which affects Railway's ability to fully utilize its equipment and to meet customer service and contract obligations. Contractor will be billed, as further provided below, for the economic losses arising from loss of use of equipment, contractual loss of incentive pay and bonuses and contractual penalties resulting from train delays, whether caused by Contractor, or subcontractors, or by the Railway performing work under this Agreement. Railway agrees that it will not perform any act to unnecessarily cause train delay.

For loss of use of equipment, Contractor will be billed the current freight train hour rate per train as determined from Railway's records. Any disruption to train traffic may cause delays to multiple trains at the same time for the same period.

Additionally, the parties acknowledge that passenger, U.S. mail trains and certain other grain, intermodal, coal and freight trains operate under incentive/penalty contracts between Railway and its customer(s). Under these arrangements, if Railway does not meet its contract



service commitments, Railway may suffer loss of performance or incentive pay and/or be subject to penalty payments. Contractor is responsible for any train performance and incentive penalties or other contractual economic losses actually incurred by Railway which are attributable to a train delay caused by Contractor or its subcontractors.

The contractual relationship between Railway and its customers is proprietary and confidential. In the event of a train delay covered by this Agreement, Railway will share information relevant to any train delay to the extent consistent with Railway confidentiality obligations. Damages for train delay are currently \$382.20 per hour per incident. **THE RATE THEN IN EFFECT AT THE TIME OF PERFORMANCE BY THE CONTRACTOR HEREUNDER WILL BE USED TO CALCULATE THE ACTUAL COSTS OF TRAIN DELAY PURSUANT TO THIS AGREEMENT.**

**Contractor and its subcontractors must give Railway's representative (Roadmaster Casey Nolan) 4 weeks advance notice of the times and dates for proposed work windows. Railway and Contractor will establish mutually agreeable work windows for the project. Railway has the right at any time to revise or change the work windows due to train operations or service obligations. Railway will not be responsible for any additional costs or expenses resulting from a change in work windows. Additional costs or expenses resulting from a change in work windows shall be accounted for in Contractor's expenses for the project.**

**Contractor and subcontractors must plan, schedule, coordinate and conduct all Contractor's work so as to not cause any delays to any trains**

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the day and year first written above.

\_\_\_\_\_  
**Agency**

**BNSF Railway Company**

By: \_\_\_\_\_

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Name: \_\_\_\_\_

Manager Public Projects

Title: \_\_\_\_\_

Accepted and effective this \_\_\_\_\_ day  
of \_\_\_\_\_ 20\_\_\_\_.

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Fax: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail: \_\_\_\_\_

**APPROVED AS TO FORM:**

K. Flores 2-20-18

**Exhibit A**

[Insert drawing of the Project and/or Structure]

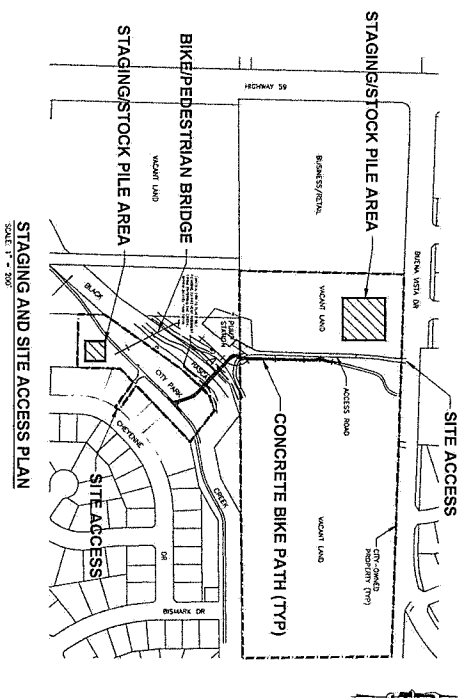


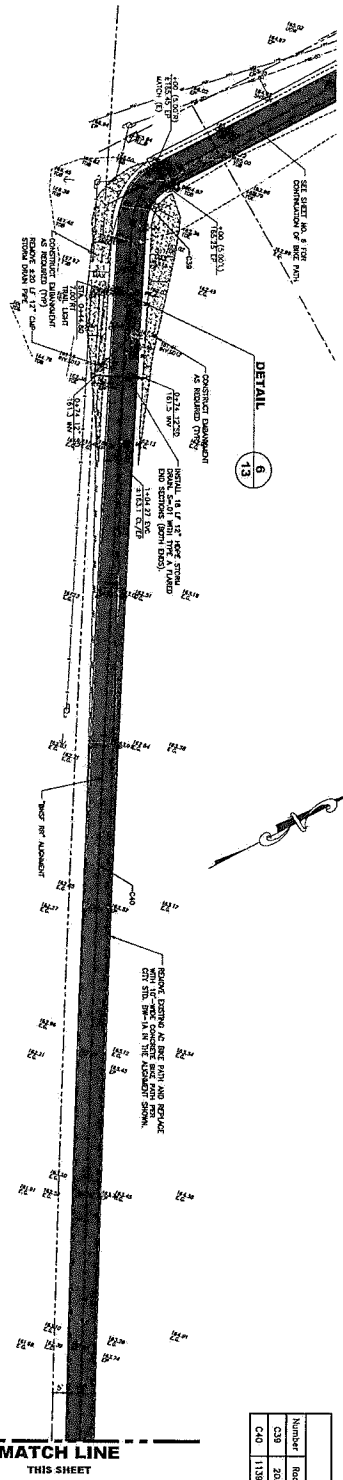
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| 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 | 2363 | 2364 | 2365 | 2366 | 2367 | 2368 | 2369 | 2370 | 2371 | 2372 | 2373 | 2374 | 2375 | 2376 | 2377 | 2378 | 2379 | 2380 | 2381 | 2382 | 2383 | 2384 | 2385 | 2386 | 2387 | 2388 | 2389 | 2390 | 2391 | 2392 | 2393 | 2394 |
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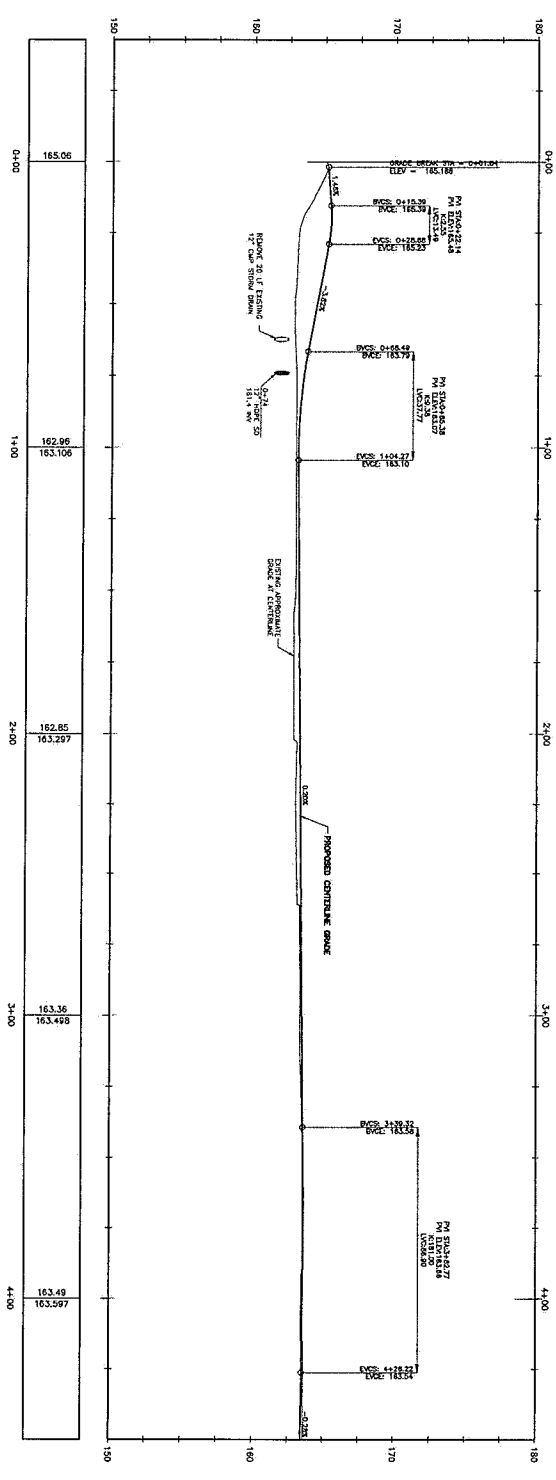
| STO PLAN | DESCRIPTION                              |
|----------|--|
| Bra-1    | CONCRETE BARBERS                         |
| Bra-2    | CLAYS & SILICATE REINFORCEMENTS          |
| Bra-3    | RESISTING DRYING                         |
| Bra-4    | CRACKING/ANALYTICAL DRYING               |
| Bra-5    | CRACKS REINFORCEMENTS (FIBERGLASS)       |
| Bra-6    | UNDERLAYING                              |
| Bra-7    | SEPARATE CLAYS & SILICATE REINFORCEMENTS |
| Bra-8    | ANALYTICAL DRYING                        |
| Bra-9    | ANALYTICAL DRYING                        |
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| Bra-99   | ANALYTICAL DRYING                        |
| Bra-100  | ANALYTICAL DRYING                        |

**PROJECT NO. 111066 CML-5085(029  
CMAQ WESTERLY BIKE  
PATH CONNECTION**





**PLAN**  
SCALE: 1"=25'



**PROFILE**  
HORIZ: 1"=40'  
VERT: 1"=4'

| BNSF RR |          |         |                      |
|---------|----------|---------|----------------------|
| Number  | Radius   | Length  | Line/Chain Direction |
| C29     | 2000     | 263.56  | SSE 03° 01.4'E       |
| C40     | 11990.20 | 1028.10 | S87° 50' 43.54"E     |

| NO. | DATE | BY | REVISION MADE |
|-----|------|----|---------------|
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|     |      |    |               |
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**Underground Service Alert**  
TWO DAYS BEFORE YOU DIG  
Call TOL FREE 1 (800) 227-2800

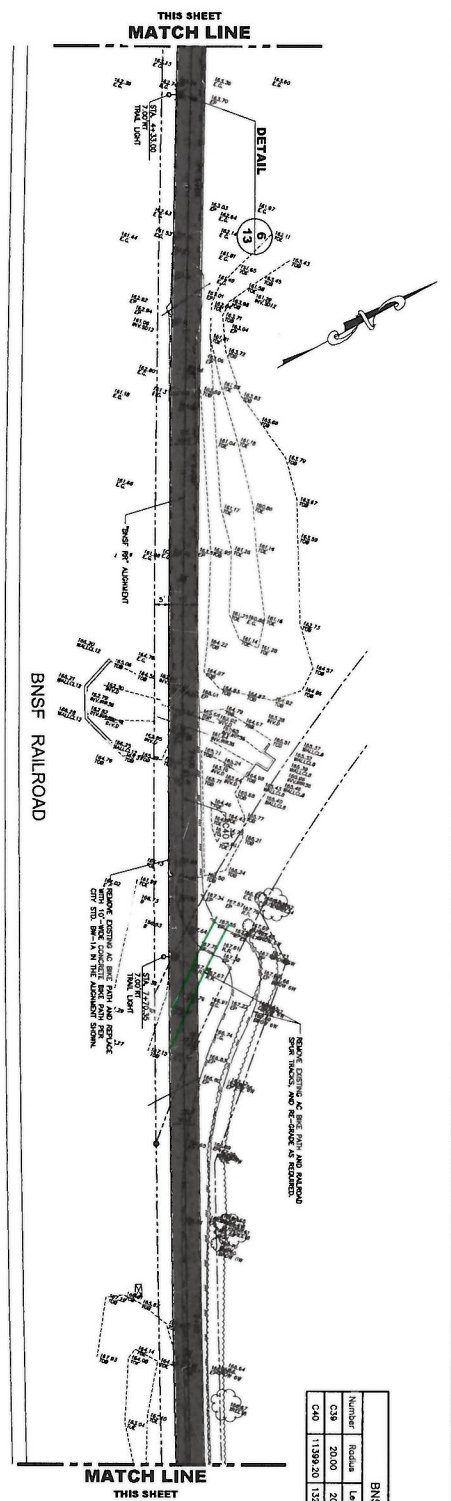
NOTE:  
ALL REFERENCES AND NOTATION  
HEREON SHALL BE TO THE  
DRAWINGS AND SHALL BE  
CONSIDERED AS SUCH. NO  
RESPONSIBILITY SHALL BE ASSUMED  
BY THE ENGINEER FOR ANY  
MISTAKES OR OMISSIONS.

**City of Merced**  
DEVELOPMENT SERVICES  
"Serving the Community"  
800 N. 1st Street  
(209) 385-8885

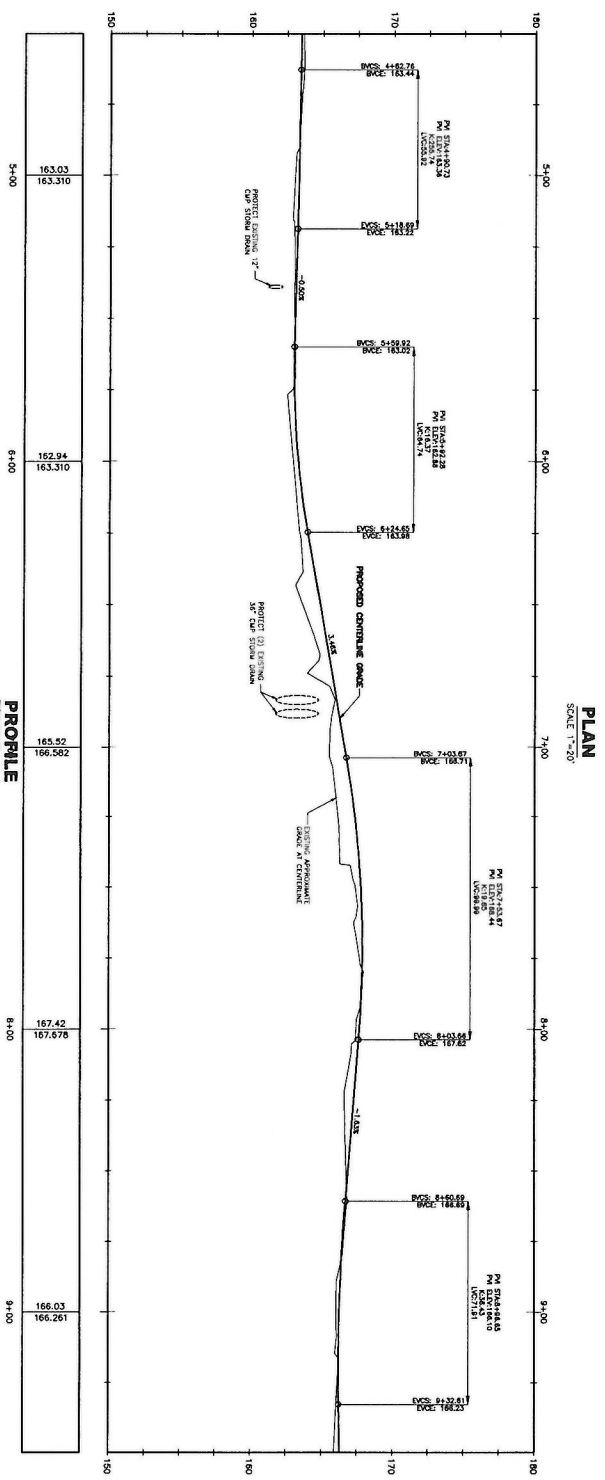
**PLAN AND PROFILE**

**PROJECT NO. 111066 CML-5085(029)**  
**CMAQ WESTERLY BIKE**  
**PATH CONNECTION**

|          |         |
|----------|---------|
| DESIGNER | DATE    |
| 2/23/17  | 2/23/17 |
| CHECKED  | DATE    |
| AS SHOWN | 2/23/17 |



| BNSF RR |         |         |                       |
|---------|---------|---------|-----------------------|
| Number  | Radius  | Length  | Used/Design Direction |
| C29     | 2000    | 203.68  | 599' 03" 071.4°E      |
| C40     | 1399.20 | 1228.10 | 597' 50" 43.94°E      |



| NO | DATE | BY | REVISION | MADE |
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**Underground Service Alert**  
TWO DAYS BEFORE YOU DIG  
Call Your Area 1 (800) 227-2800

**NOTICE**  
ALL DISTANCES AND WIDTHS  
SHOWN ON THIS PLAN AND  
PROFILE ARE BASED ON THE  
EXISTING GROUND SURFACE  
AND SHALL BE SUBJECT TO  
ADJUSTMENT IN THE EVENT OF  
ANY DISCREPANCY. THE  
ENGINEER SHALL BE RESPONSIBLE  
FOR THE ACCURACY OF ALL  
DATA AND FOR THE COMPLETION OF  
ALL WORK.



**PLAN AND PROFILE**

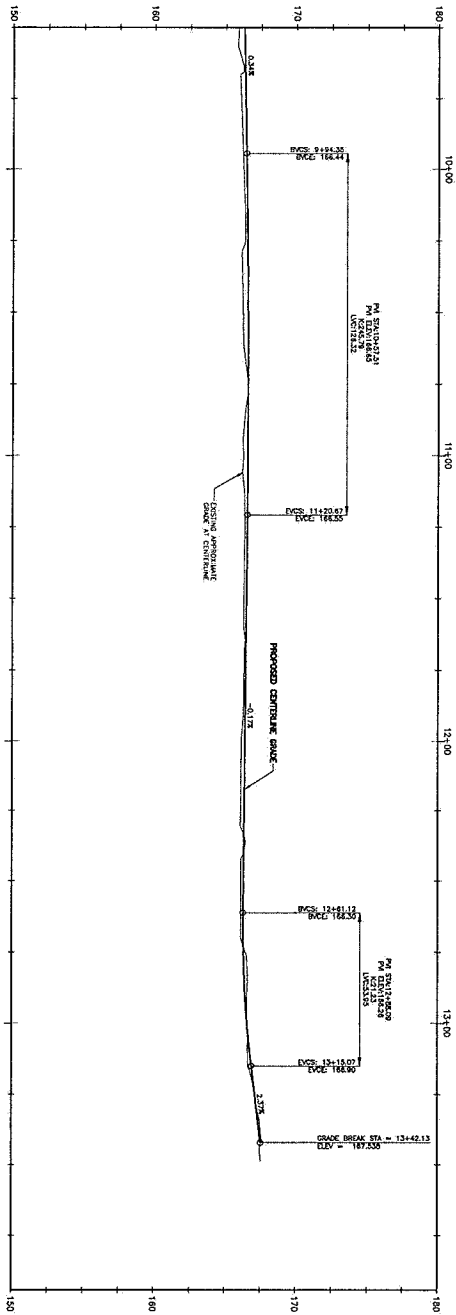
**PROJECT NO. 111066 CML-5085(029)**  
**CMAQ WESTERLY BIKE**  
**PATH CONNECTION**

|             |          |
|-------------|----------|
| DESIGNED BY | 2/2/17   |
| CHECKED BY  | 2/2/17   |
| DATE        | 2/2/17   |
| SCALE       | AS SHOWN |

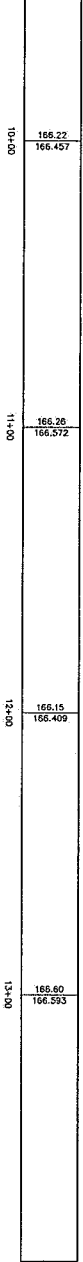
THIS SHEET  
MATCH LINE

BNSF RAILROAD

PLAN  
SCALE 1"=25'



PROFILE  
SCALE 1"=20'  
VERT. 1"=4'



| BNSF RR |       |        |                |           |
|---------|-------|--------|----------------|-----------|
| Station | Grade | Length | 1/4 Mile/Grade | Direction |
| 10+00   | 20.00 | 20.00  | 527' 0"        | 071.4°E   |
| 11+00   | 13.50 | 13.50  | 567' 5"        | 135.4°E   |

| NO. | DATE | BY | REVISION |
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Underground Service Alert  
TWO DAYS  
BEFORE  
YOU DIG  
Call 800 4 A SAFE Dig 411 or 202 686 2267

NOTE: DISTANCES AND AMOUNTS  
SHOWN ON THIS PLAN ARE FOR  
REFERENCE ONLY. THE ACTUAL  
DISTANCES AND AMOUNTS SHALL BE  
DETERMINED BY THE ENGINEER  
ON THE BASIS OF THE DATA  
PROVIDED BY THE CLIENT.



City of Merced  
DEVELOPMENT SERVICES  
ENGINEERING PROJECTS AND STANDARDS  
678 W. 18th Street, Ste. 200, Merced, CA 95340

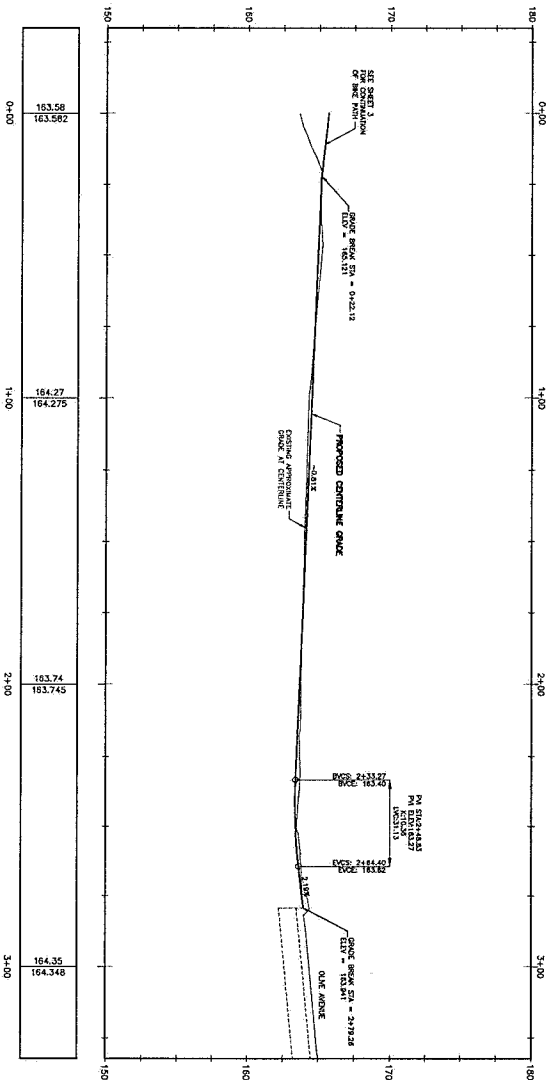
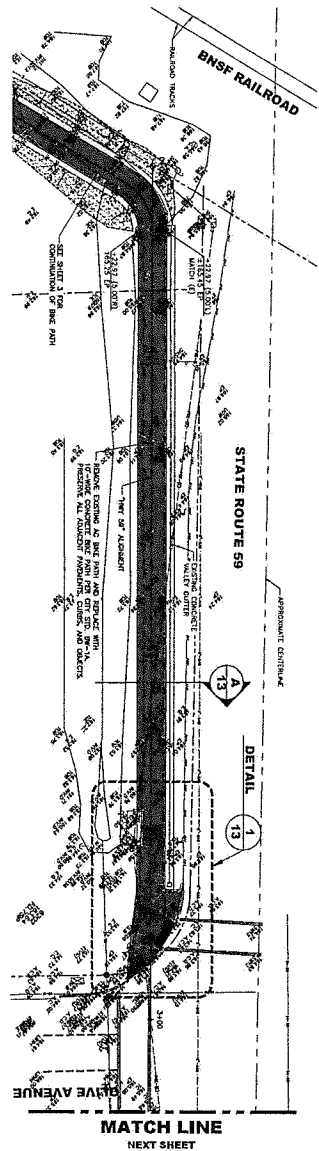
PLAN AND PROFILE

PROJECT NO. 111066 CML-5085(029)  
CMAQ WESTERLY BIKE  
PATH CONNECTION

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of 13





| HWY 59  |        |                      |
|---------|--------|----------------------|
| Station | Length | Way/Drive Direction  |
| L35     | 384.55 | NW 24 13.64°E        |
| L36     | 28.69  | 23.56 024 26 22.28°E |
| L37     | 17.00  | 25.33 045 27 30.88°E |
| L38     | 18.81  | 045 27 30.88°E       |
| L39     | 20.00  | 045 27 30.88°E       |
| L40     | 10.25  | 045 27 30.88°E       |
| L41     | 06.55  | 045 27 30.88°E       |
| L42     | 05.00  | 045 27 30.88°E       |
| L43     | 04.31  | 045 27 30.88°E       |
| L44     | 03.00  | 045 27 30.88°E       |
| L45     | 02.00  | 045 27 30.88°E       |
| L46     | 01.00  | 045 27 30.88°E       |
| L47     | 00.00  | 045 27 30.88°E       |
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Underground Service Alert  
TWO DAYS  
BEFORE  
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Call Your Local 1 (800) 227-2800

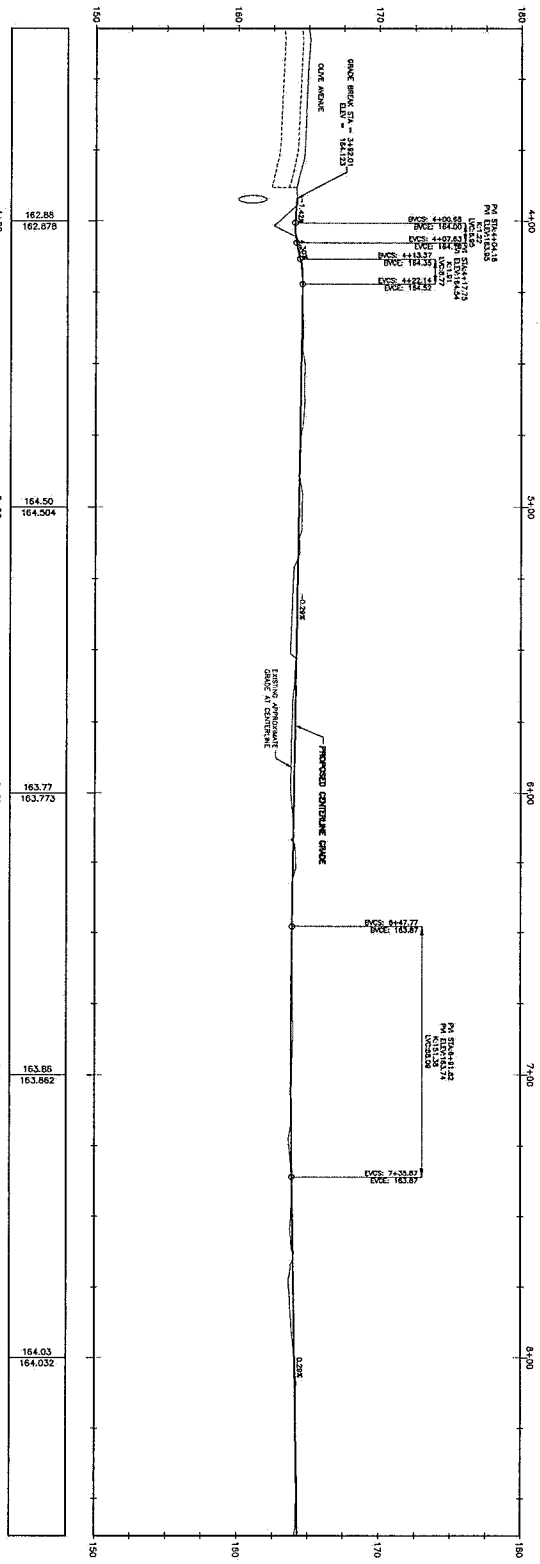
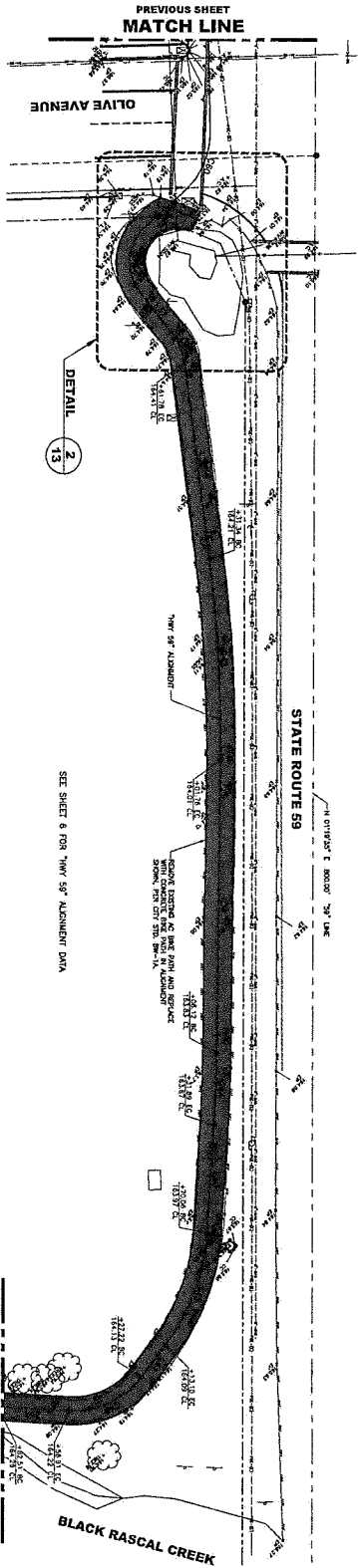
NOTE: DISTANCES AND POINTS  
BASED ON THE STATE PLAT  
RECORDS AND SHALL BE  
CONSIDERED AS SUCH.  
NO GUARANTEE SHALL BE  
MADE BY THE ENGINEER OF  
ANY KIND.



City of Merced  
DEVELOPMENT SERVICES  
ENGINEERING PROJECTS AND STANDARDS  
CITY OF MERCEDES  
P.O. BOX 354446

PLAN AND PROFILE

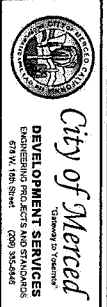
PROJECT NO. 111066 CML-5085(029)  
CMAQ WESTERLY BIKE  
PATH CONNECTION



| NO. | DATE | BY | REVISION | MARK |
|-----|------|----|----------|------|
|     |      |    |          |      |
|     |      |    |          |      |
|     |      |    |          |      |
|     |      |    |          |      |

**Underground Service Alert**  
TWO DAYS BEFORE YOU DIG  
Call 800-4-A-DAWG (1-800-427-2600)

**NOTES:**  
1. ALL UTILITIES AND STRUCTURES SHOWN ON THIS PLAN ARE BASED ON THE RECORD DRAWINGS AND FIELD SURVEY. THE ENGINEER HAS CONDUCTED VISUAL INSPECTIONS OF THE UTILITIES AND STRUCTURES SHOWN ON THIS PLAN AND HAS FOUND THEM TO BE IN CONFORMANCE WITH THE RECORD DRAWINGS AND FIELD SURVEY.

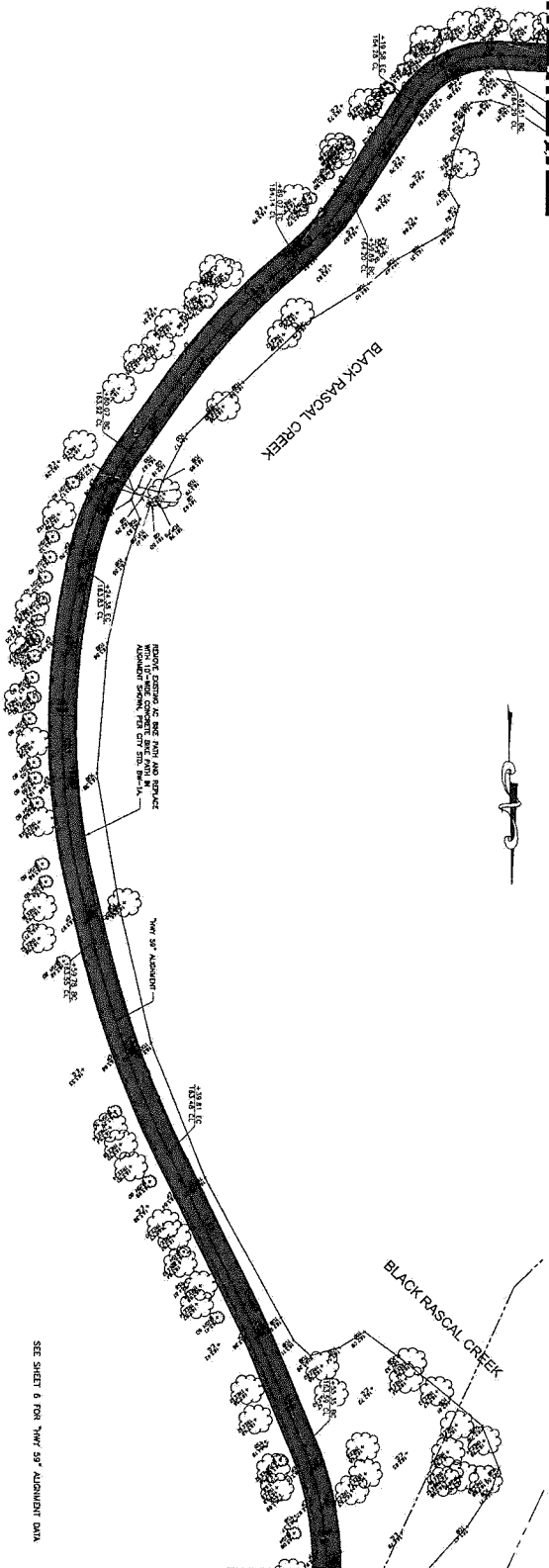


**PLAN AND PROFILE**

**PROJECT NO. 111066 CML-5085 (029)**  
**CMAQ WESTERLY BIKE PATH CONNECTION**

|             |          |
|-------------|----------|
| DESIGNED BY | DATE     |
| CHECKED BY  | DATE     |
| SCALE       | AS SHOWN |

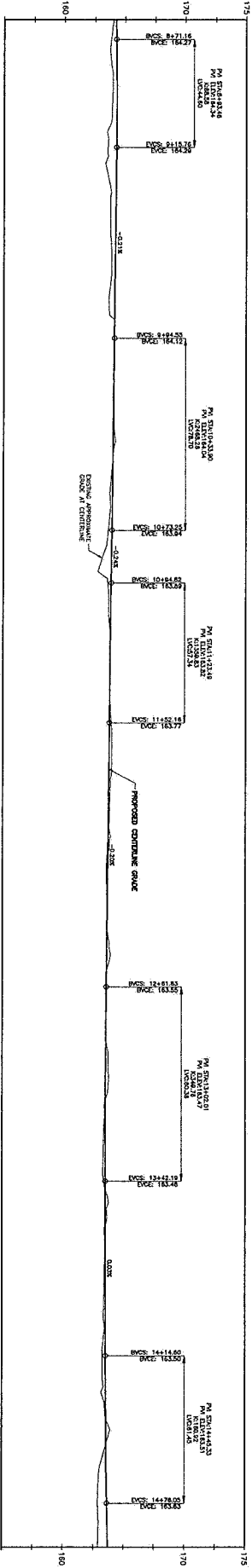
SEE SHEET NO. 7  
MATCH LINE



PLAN  
SCALE 1"=20'

SEE SHEET 6 FOR "WIDE 50" ALIGNMENT DATA

MATCH LINE  
SEE SHEET NO. 9



PROFILE  
HORIZ. 1"=20'  
VERT. 1"=4'

|       |        |         |
|-------|--------|---------|
| 9+00  | 163.90 | 163.890 |
| 10+00 | 164.13 | 164.126 |
| 11+00 | 163.68 | 163.677 |
| 12+00 | 163.83 | 163.829 |
| 13+00 | 163.73 | 163.726 |
| 14+00 | 163.34 | 163.335 |

| NO. | DATE | BY | REVISION | WAGE |
|-----|------|----|----------|------|
|     |      |    |          |      |
|     |      |    |          |      |
|     |      |    |          |      |
|     |      |    |          |      |

Underground Service Alert  
TWO DAYS  
BEFORE  
YOU DIG  
Call 811 or 1 (800) 227-2600

NOTES:  
ALL REFERENCES AND MEASUREMENTS SHALL BE TO THE CENTERLINE OF THE PROPOSED BIKE PATH ALIGNMENT. THE CENTERLINE SHALL BE APPROXIMATELY 50' FROM THE EXISTING GROUND AT THE CENTERLINE.

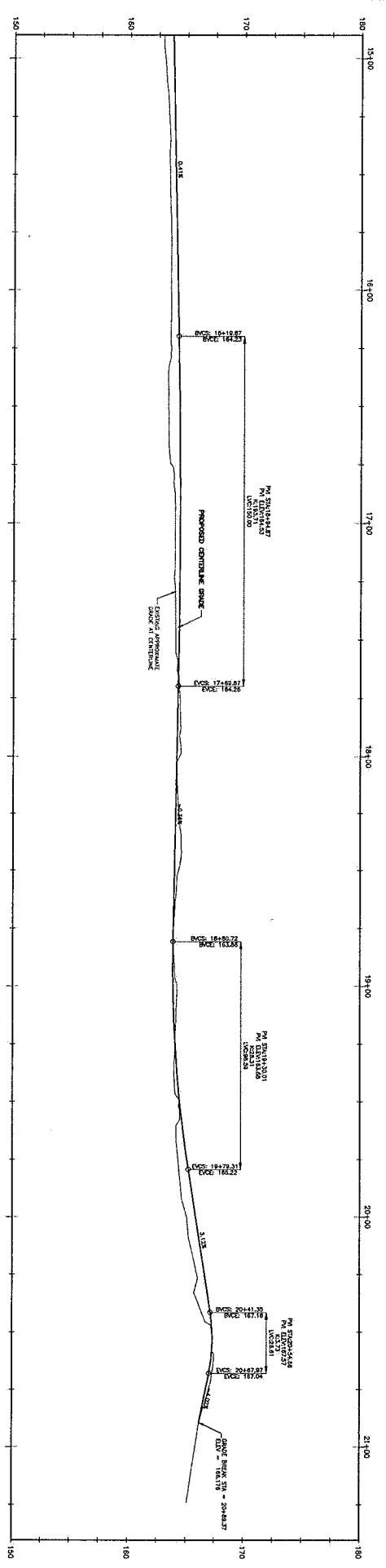
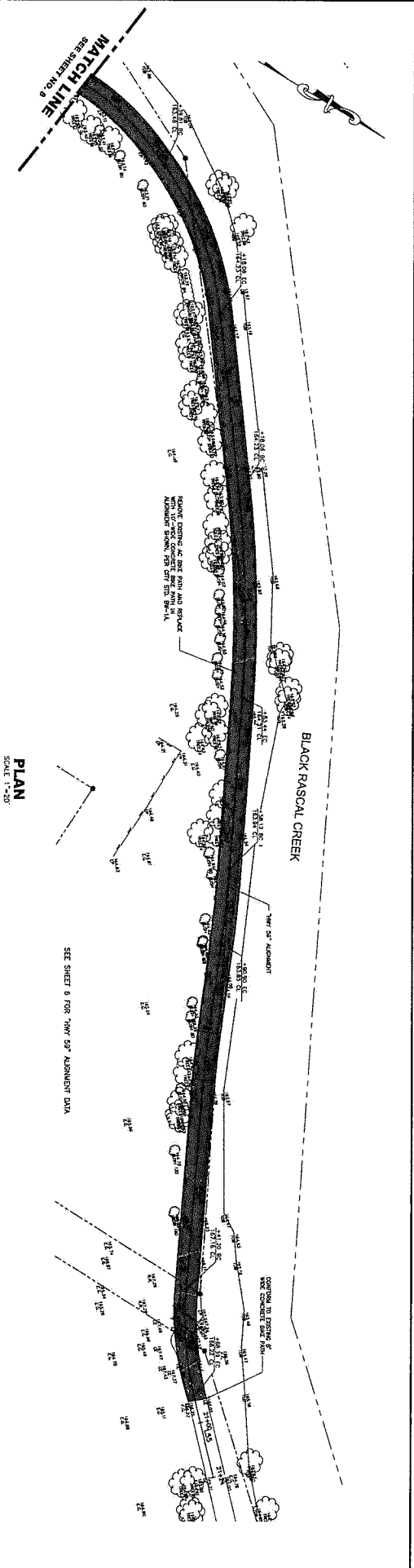


City of Merced  
DEVELOPMENT SERVICES  
"Serving the Community"  
ENGINEERING PROJECTS AND SERVICES  
970 N. 10th Street, Ste. 200  
Merced, CA 95324

PLAN AND PROFILE

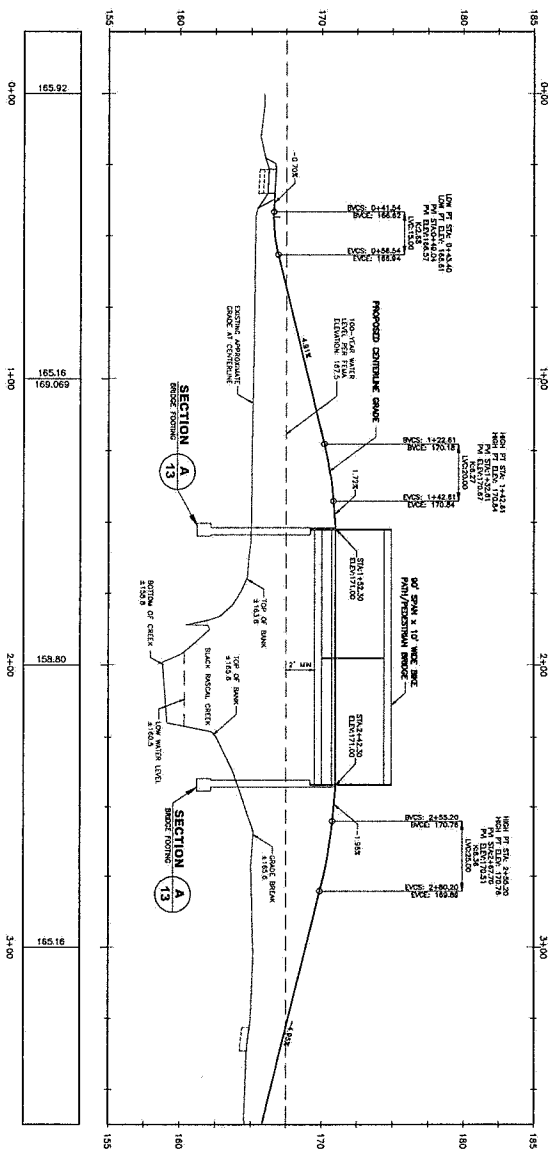
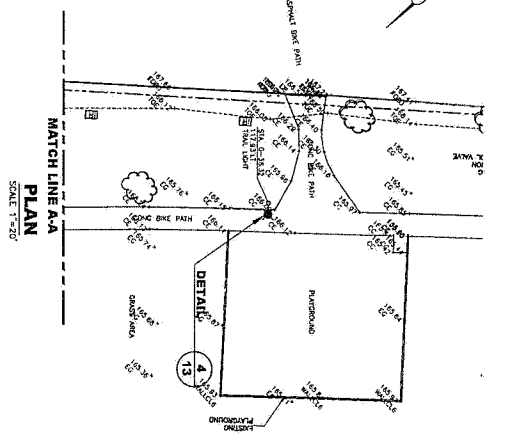
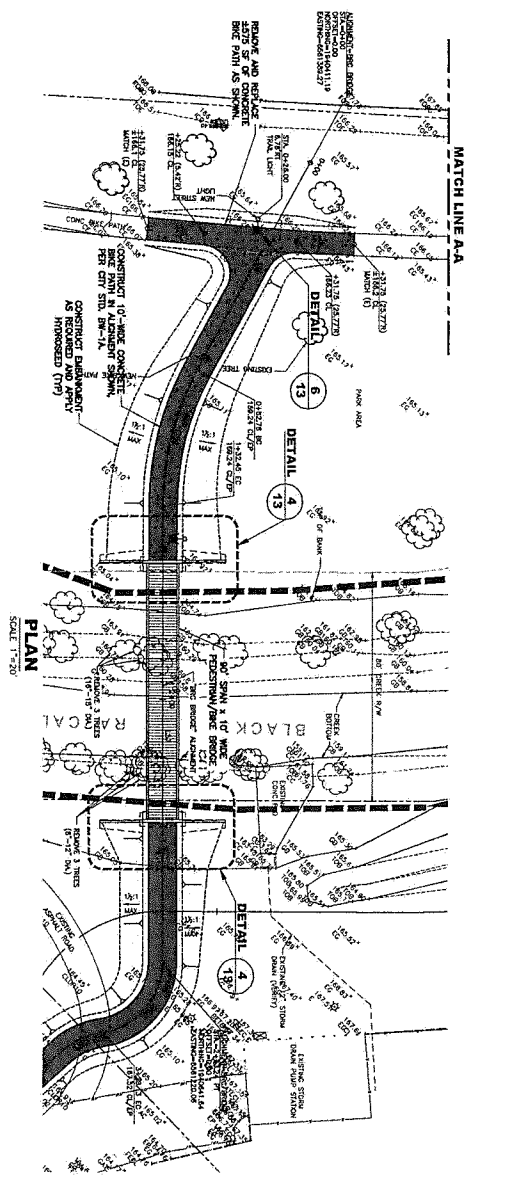
PROJECT NO. 111056 CML-5085(029)  
CMAA WESTERLY BIKE  
PATH CONNECTION

|                 |                 |
|-----------------|-----------------|
| DATE: 7/2/17    | SCALE: AS SHOWN |
| DRAWN: 7/2/17   |                 |
| CHECKED: 7/2/17 |                 |
| DATE: 7/2/17    |                 |



|       |                   |
|-------|-------------------|
| 15:00 | 162.97<br>162.974 |
| 16:00 | 163.53<br>163.530 |
| 17:00 | 163.94<br>163.940 |
| 18:00 | 164.35<br>164.354 |
| 19:00 | 164.18<br>164.185 |
| 20:00 | 165.08<br>165.075 |
| 21:00 | 165.84<br>165.844 |

[illegible]



| BRIDGE |        |          |                      |
|--------|--------|----------|----------------------|
| Number | Radius | Length   | Unit/Chord Direction |
| L85    | 82.75  | 1416.12' | 34.13°W              |
| C81    | 100.00 | 48.66    | 182.26°              |
| L87    | 100.00 | 48.66    | 182.26°              |
| C82    | 25.00  | 34.69    | 182.26°              |
| L88    | 2.07   | 103.17   | 38.50°E              |
| C83    | 25.00  | 13.56    | 117.29°              |
| L89    | 49.51  | 242.39   | 117.29°              |
| C84    | 49.51  | 10.42    | 117.29°              |
| L90    | 55.00  | 21.59    | 117.29°              |
| C86    | 200.00 | 7.40     | 117.29°              |
| L91    | 30.11  | 114.12   | 58.00°E              |

NO DATE

BY: PERSON NAME

Underground Service Alert

TWO DAYS BEFORE YOU DIG

Call 811 or 1 (800) 277-2603

City of Merced

DEVELOPMENT SERVICES

ENGINEERING PROJECTS AND STANDARDS

800 N. BRIDGE ST. 200 350-0000

PROJECT NO. 111066 CML-5085(029)

CMAQ WESTERLY BIKE PATH CONNECTION

DATE: 7/2/17

BY: J. A. SHAW

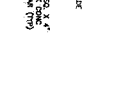
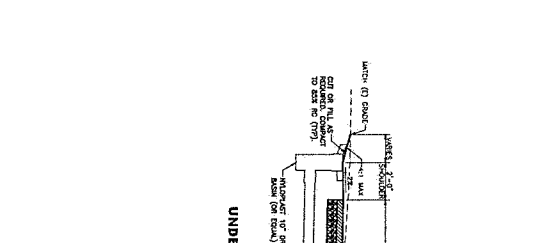
SCALE: AS SHOWN

FIG. NO. 0011

Sheet

10 of 13

\_\_\_\_\_




DETAIL  
SCALE 1"=3'

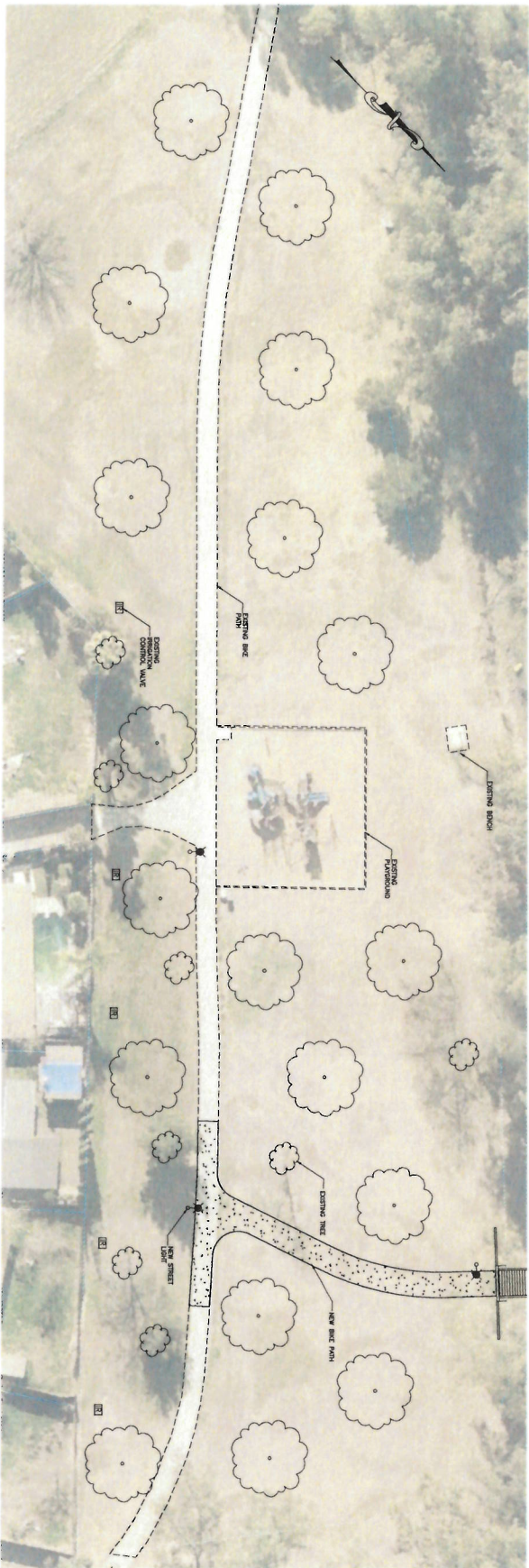
1  
11

# GENERAL NOTES

1. CONTRACTOR IS TO PROTECT ALL UNDERGROUND UTILITIES. ANY DAMAGES CAUSED TO EXISTING UTILITIES SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
2. CONTRACTOR IS TO COORDINATE TREE PLACEMENT WITH MERCED CITY PUBLIC WORKS DEPARTMENT. TREE PLACEMENT SHALL BE IN ACCORDANCE WITH THE CITY OF MERCED GEORGE SANCHEZ AT 209-385-8869 FROM PARKS AND TREES AT PUBLIC WORKS.
3. THIS PLAN IS TO COMPLY WITH CITY OF MERCED STANDARD DESIGN AND SPECIFICATION L-1, L-3 TO L-5.

## PLANT LEGEND

| TREES   | BOTANICAL NAME | COMMON NAME | SIZE    | QTY. |
|---|----------------|-------------|---------|------|
|  | QUERCUS LOBATA | VALLEY OAK  | 15 CAL. | 18   |



| NO. | DATE | BY | REVISION MADE |
|-----|------|----|---------------|
|     |      |    |               |
|     |      |    |               |
|     |      |    |               |
|     |      |    |               |

**Underground Service Alert**  
**TWO DAYS BEFORE YOU DIG**  
 Call 811 or 1-800-227-2660

**NOTE:**  
 ALL DIMENSIONS AND NOTES  
 SHOWN ON THIS PLAN SHALL BE  
 CONSIDERED AS PART OF THE  
 DESIGN. ANY CHANGES TO THE  
 PLAN SHALL BE APPROVED BY  
 THE CITY OF MERCED.

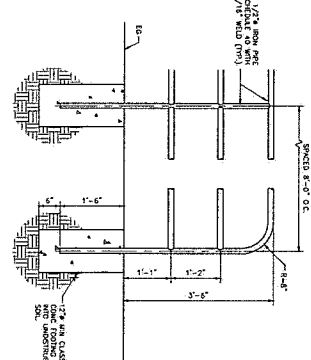
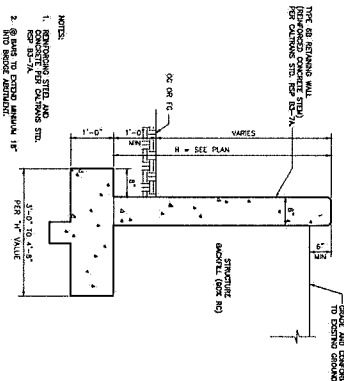
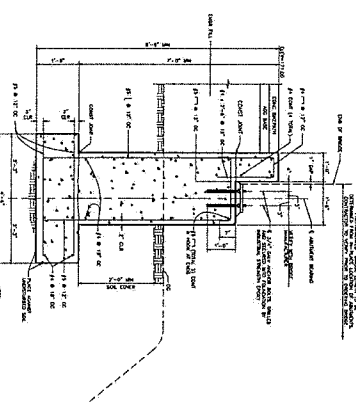
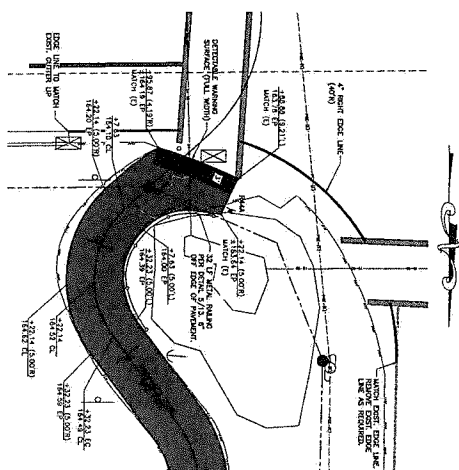
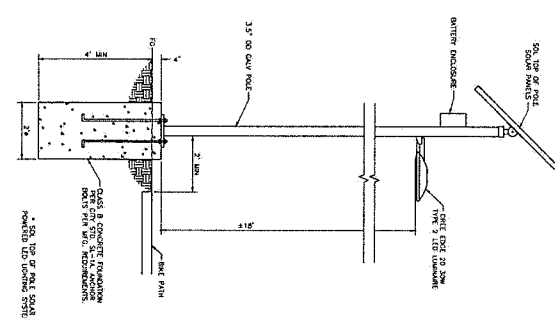
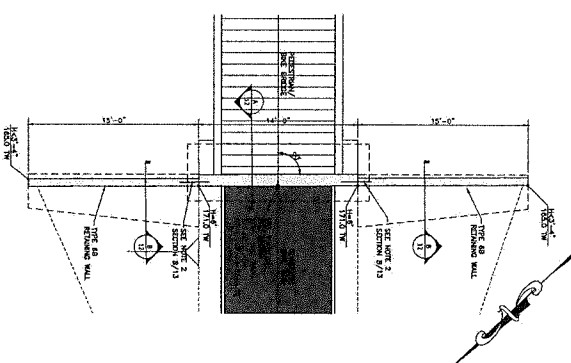
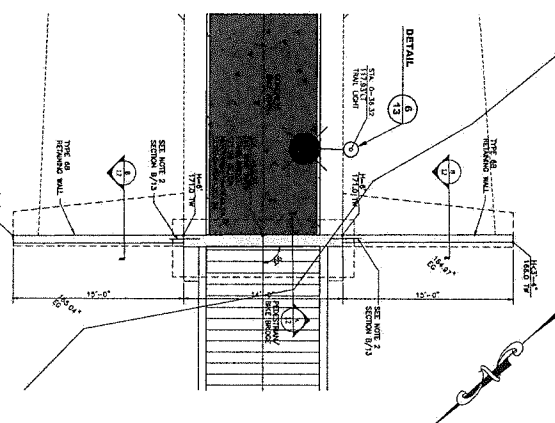
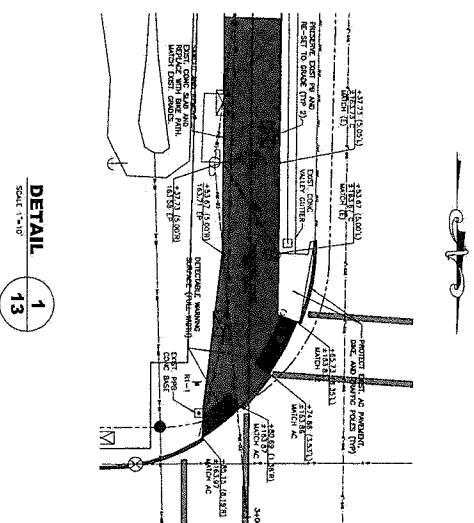


**City of Merced**  
**DEVELOPMENT SERVICES**  
 ENGINEERING PROJECTS AND STANDARDS  
 619 W. 18th Street  
 (209) 385-8868

## LANDSCAPE PLAN

**PROJECT NO. 111066 CML-5085(029)**  
**CMAQ WESTERLY BIKE**  
**PATH CONNECTION**

|                |         |
|----------------|---------|
| DATE: 11/17/17 | BY: PAF |
| DATE:          | BY:     |
| DATE:          | BY:     |



**Underground Service Alerts**



**TWO DAYS  
BEFORE  
YOU DIG**

CALL TOLL FREE 1 (800) 227-2650



## DETAILS AND SECTIONS

**PROJECT NO. 111066 CML-5085(029)**  
**CMAQ WESTERLY BIKE**  
**PATH CONNECTION**

Sheet  
13

Sheet  
13



**Exhibit B**

Job No. 2034

Ad. E. No. 6888

COUNTY SURVEYOR'S CERTIFICATE.  
 This 24 day of October, 1912, has been examined this 24 day of October, 1912, for conformance with Section 356 of the Subdivision Map Act.  
*John J. Brown*  
 County Surveyor

REGISTERED  
 No. 356  
 F. 11,720  
 STATE OF CALIF.  
 CIVIL

RECORDERS CERTIFICATE: NO. 25658  
 Filed this 29<sup>th</sup> day of December, 1972 at 1:15 PM  
 in Book 20 of Police Maps at Page 21 at the  
 request of M. A. Kochan  
 Fee: \$5.00

V. L. Mallory  
County Recorder  
Robert L. Wallace  
Deputy

SANTA FE LAND IMPROVEMENT CO.  
 BEING A DIVISION OF LOTS 101 & 102 OF "MAP  
 OF THE CROCKER COLONY", VOL. 5, PAGE 6  
 SECTIONS 13 & 24, T7S, R13E, M.D.B.M.  
 MERCED COUNTY, CALIFORNIA  
 DECEMBER, 1972 SCALE, 1" = 100 FT.

BOOK 20, PAGE 21

THIS MAP WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUBDIVISION MAP ACT OF THE REQUEST OF M. A. KOSCHER IN DECEMBER, 1932. I HEREBY CERTIFY THAT IT CONFORMS TO THE APPROVED TENTATIVE MAP AND THE CONDITIONS APPROVED THEREOF. THAT ALL PROVISIONS OF APPLICABLE STATE LAW AND LOCAL ORDINANCES HAVE BEEN COMPLIED WITH.

AREA OF AGREEMENT TO BE WITHIN  
B.N.S.F. RIGHT OF WAY AND ALONG THE  
CITY OF MERCED BIKE PATH

## BASIS OF BEARINGS

Property Division Application No. 1922

PARCEL MAP  
FOR

LEGEND:

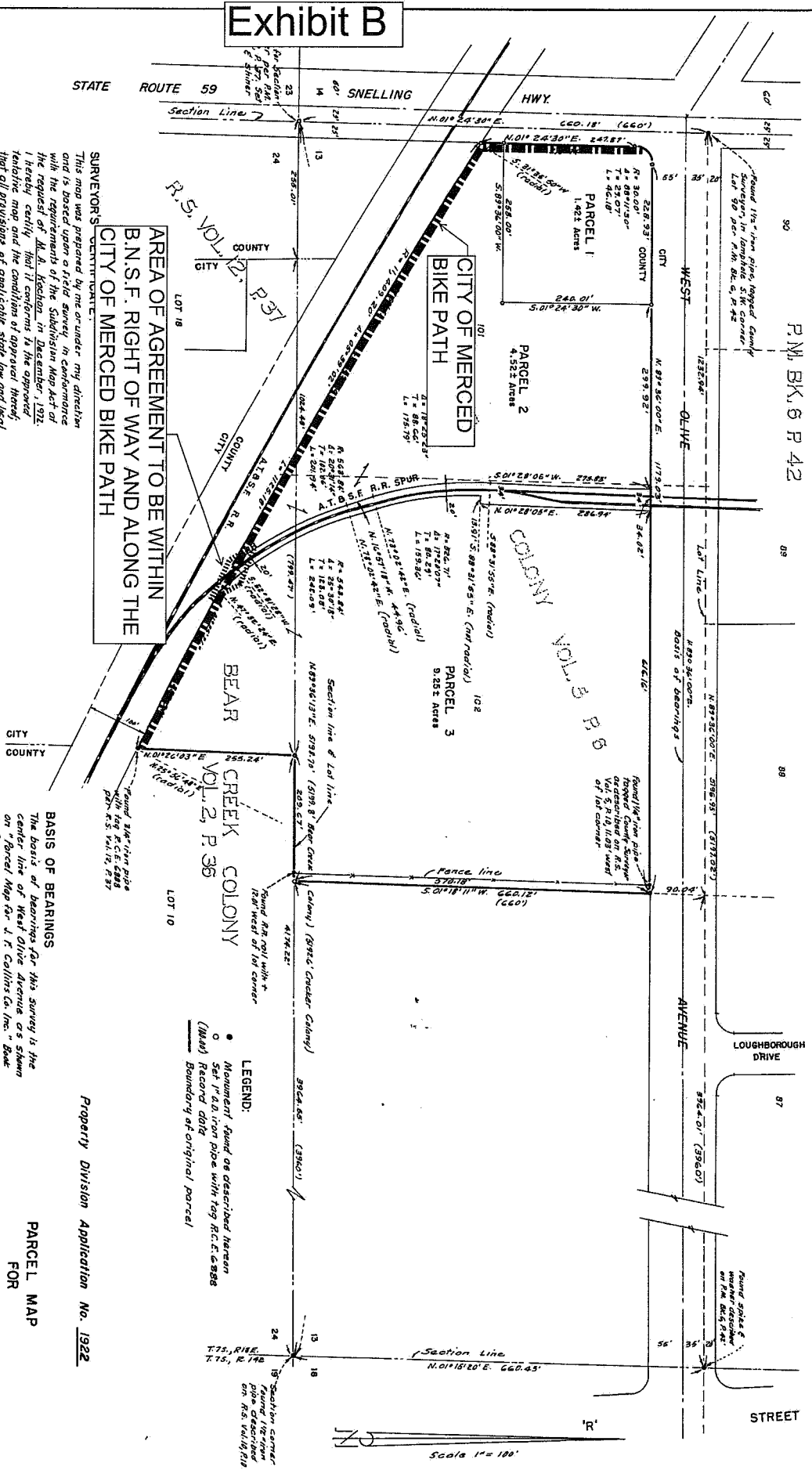
- Monument found as described herein
- Set 1<sup>st</sup> A.D. iron pipe with tag R.C.E. 6888 (MAM)
- Record data
- Boundary of original parcel

**LEGEND:**

- Monument found as described hereon
- Set 1<sup>st</sup> & d. iron pipe with tag R.C.E. 6888
- (Mm) Record data

Boundary of original parcel

19. Section contains  
found 1 1/2-iron  
pipe described  
on R.S. Vol. 10, P. 11



## **EXHIBIT "C"**

### **CONTRACTOR REQUIREMENTS**

#### **1.01 General:**

- **1.01.01** The Contractor must cooperate with **BNSF RAILWAY COMPANY**, hereinafter referred to as "**Railway**" where work is over or under on or adjacent to Railway property and/or right-of-way, hereafter referred to as "Railway Property", during the construction of City of Merced Bike Path.
- **1.01.02** The Contractor must execute and deliver to the Railway duplicate copies of the Exhibit "C-1" Agreement, in the form attached hereto, obligating the Contractor to provide and maintain in full force and effect the insurance called for under Section 3 of said Exhibit "C-1". Questions regarding procurement of the Railroad Protective Liability Insurance should be directed to Rosa Martinez at Marsh, USA, 214-303-8519.
- **1.01.03** The Contractor must plan, schedule and conduct all work activities so as not to interfere with the movement of any trains on Railway Property.
- **1.01.04** The Contractor's right to enter Railway's Property is subject to the absolute right of Railway to cause the Contractor's work on Railway's Property to cease if, in the opinion of Railway, Contractor's activities create a hazard to Railway's Property, employees, and/or operations. Railway will have the right to stop construction work on the Project if any of the following events take place: (i) Contractor (or any of its subcontractors) performs the Project work in a manner contrary to the plans and specifications approved by Railway; (ii) Contractor (or any of its subcontractors), in Railway's opinion, prosecutes the Project work in a manner which is hazardous to Railway property, facilities or the safe and expeditious movement of railroad traffic; (iii) the insurance described in the attached Exhibit C-1 is canceled during the course of the Project; or (iv) Contractor fails to pay Railway for the Temporary Construction License or the Easement. The work stoppage will continue until all necessary actions are taken by Contractor or its subcontractor to rectify the situation to the satisfaction of Railway's Division Engineer or until additional insurance has been delivered to and accepted by Railway. In the event of a breach of (i) this Agreement, (ii) the Temporary Construction License, or (iii) the Easement, Railway may immediately terminate the Temporary Construction License or the Easement. Any such work stoppage under this provision will not give rise to any liability on the part of Railway. Railway's right to stop the work is in addition to any other rights Railway may have including, but not limited to, actions or suits for damages or lost profits. In the event that Railway desires to stop construction work on the Project, Railway agrees to immediately notify the following individual in writing:

Taylor Smith  
Manager Public Projects  
2454 Occidental Ave S, Suite 2D  
Seattle, WA 98134

- **1.01.05** The Contractor is responsible for determining and complying with all Federal, State and Local Governmental laws and regulations, including, but not limited to environmental laws and regulations (including but not limited to the Resource Conservation and Recovery Act, as amended; the Clean Water Act, the Oil Pollution Act, the Hazardous Materials Transportation Act, CERCLA), and health and safety laws and regulations. The Contractor hereby indemnifies, defends and holds harmless Railway for, from and against all fines or penalties imposed or assessed by Federal, State and Local Governmental Agencies against the Railway which arise out of Contractor's work under this Agreement.
- **1.01.06** The Contractor must notify **(Agency)** at \_\_\_\_\_ and Railway's Manager Public Projects, telephone number (206) 625-6396 \_\_\_\_\_ at least thirty (30) calendar days before commencing any work on Railway Property. Contractor's notification to Railway must refer to Railway's file BF \_\_\_\_\_.
- **1.01.07** INTENTIONALLY LEFT BLANK
- **1.01.08** Subject to the movement of Railway's trains, Railway will cooperate with the Contractor such that the work may be handled and performed in an efficient manner. The Contractor will have no claim whatsoever for any type of damages or for extra or additional compensation in the event his work is delayed by the Railway.

## **1.02 Contractor Safety Orientation**

- **1.02.01** No employee of the Contractor, its subcontractors, agents or invitees may enter Railway Property without first having completed Railway's Engineering Contractor Safety Orientation, found on the web site [www.BNSFContractor.com](http://www.BNSFContractor.com). The Contractor must ensure that each of its employees, subcontractors, agents or invitees completes Railway's Engineering Contractor Safety Orientation through internet sessions before any work is performed on the Project. Additionally, the Contractor must ensure that each and every one of its employees, subcontractors, agents or invitees possesses a card certifying completion of the Railway Contractor Safety Orientation before entering Railway Property. The Contractor is responsible for the cost of the Railway Contractor Safety Orientation. The Contractor must renew the Railway Contractor Safety Orientation annually. Further clarification can be found on the web site or from the Railway's Representative.

## **1.03 Railway Requirements**

- **1.03.01** The Contractor must take protective measures as are necessary to keep railway facilities, including track ballast, free of sand, debris, and other foreign objects and materials resulting from his operations. Any damage to railway facilities resulting from Contractor's operations will be repaired or replaced by Railway and the cost of such repairs or replacement must be paid for by the Agency.
- **1.03.02** INTENTIONALLY LEFT BLANK
- **1.03.03** The Contractor must abide by the following temporary clearances during construction:

- 15'-0" Horizontally from centerline of nearest track
  - 21'-6" Vertically above top of rail
  - 27'-0" Vertically above top of rail for electric wires carrying less than 750 volts
  - 28'-0" Vertically above top of rail for electric wires carrying 750 volts to 15,000 volts
  - 30'-0" Vertically above top of rail for electric wires carrying 15,000 volts to 20,000 volts
  - 34'-0" Vertically above top of rail for electric wires carrying more than 20,000 volts
  - **1.03.04** Upon completion of construction, the following clearances shall be maintained: 25' Horizontally from centerline of nearest track
  - 23' 6" Vertically above top of rail
- **1.03.05** Any infringement within State statutory clearances due to the Contractor's operations must be submitted to the Railway and to the **(Agency)** and must not be undertaken until approved in writing by the Railway, and until the **(Agency)** has obtained any necessary authorization from the State Regulatory Authority for the infringement. No extra compensation will be allowed in the event the Contractor's work is delayed pending Railway approval, and/or the State Regulatory Authority's approval.
  - **1.03.06** In the case of impaired vertical clearance above top of rail, Railway will have the option of installing tell-tales or other protective devices Railway deems necessary for protection of Railway operations. The cost of tell-tales or protective devices will be borne by the Agency.
  - **1.03.07** The details of construction affecting the Railway's Property and tracks not included in the contract plans must be submitted to the Railway by **(Agency)** for approval before work is undertaken and this work must not be undertaken until approved by the Railway.
  - **1.03.08** At other than public road crossings, the Contractor must not move any equipment or materials across Railway's tracks until permission has been obtained from the Railway. The Contractor must obtain a "Temporary Construction Crossing Agreement" from the Railway prior to moving his equipment or materials across the Railways tracks. The temporary crossing must be gated and locked at all times when not required for use by the Contractor. The temporary crossing for use of the Contractor will be constructed and, at the completion of the project, removed at the expense of the Contractor.
  - **1.03.09** Discharge, release or spill on the Railway Property of any hazardous substances, oil, petroleum, constituents, pollutants, contaminants, or any hazardous waste is prohibited and Contractor must immediately notify the Railway's Resource Operations Center at 1(800) 832-5452, of any discharge, release or spills in excess of a reportable quantity. Contractor must not allow Railway Property to become a treatment, storage or transfer facility as those terms are defined in the Resource Conservation and Recovery Act or any state analogue.
  - **1.03.10** The Contractor upon completion of the work covered by this contract, must promptly remove from the Railway's Property all of Contractor's tools, equipment, implements and other materials, whether brought upon said property by said Contractor or any Subcontractor, employee or agent of Contractor or of any Subcontractor, and must cause Railway's Property to be left in a condition acceptable to the Railway's representative.

#### **1.04 Contractor Roadway Worker on Track Safety Program and Safety Action Plan:**

- **1.04.01** Each Contractor that will perform work within 25 feet of the centerline of a track must develop and implement a Roadway Worker Protection/On Track Safety Program and work with Railway Project Representative to develop an on track safety strategy as described in the guidelines listed in the on track safety portion of the Safety Orientation. This Program must provide Roadway Worker protection/on track training for all employees of the Contractor, its subcontractors, agents or invitees. This training is reinforced at the job site through job safety briefings. Additionally, each Contractor must develop and implement the Safety Action Plan, as provided for on the web site [www.BNSFContractor.com](http://www.BNSFContractor.com), which will be made available to Railway prior to commencement of any work on Railway Property. During the performance of work, the Contractor must audit its work activities. The Contractor must designate an on-site Project Supervisor who will serve as the contact person for the Railway and who will maintain a copy of the Safety Action Plan, safety audits, and Material Safety Datasheets (MSDS), at the job site.
- **1.04.02** Contractor shall have a background investigation performed on all of its employees, subcontractors and agents who will be performing any services for Railroad under this Agreement which are determined by Railroad in its sole discretion **a)** to be on Railroad's property, or **b)** that require access to Railroad Critical Infrastructure, Railroad Critical Information Systems, Railroad's Employees, Hazardous Materials on Railroad's property or is being transported by or otherwise in the custody of Railroad, or Freight in Transit involving Railroad.

The required background screening shall at a minimum meet the rail industry background screening criteria defined by the e-RAILSAFE Program as outlined at [www.eVerifile.com](http://www.eVerifile.com), in addition to any other applicable regulatory requirements.

Contractor shall obtain written consent from all its employees, subcontractors or agents screened in compliance with the e-RAILSAFE Program to participate in the Program on their behalf and to release completed background information to Railroad's designee. Contractor shall be subject to periodic audit to ensure compliance.

Contractor subject to the e-RAILSAFE Program hereunder shall not permit any of its employees, subcontractors or agents to perform services hereunder who are not first approved under e-RAILSAFE Program standards. Railroad shall have the right to deny entry onto its premises or access as described in this section above to any of Contractor's employees, subcontractors or agents who do not display the authorized identification badge issued by a background screening service meeting the standards set forth in the e-RAILSAFE Program, or who in Railroad's opinion, which may not be unreasonable, may pose a threat to the safety or security of Railroad's operations, assets or personnel.

Contractors shall be responsible for ensuring that its employees, subcontractors and agents are United States citizens or legally working in the United States under a lawful and appropriate work VISA or other work authorization.

## **1.05 Railway Flagger Services:**

- **1.05.01** The Contractor must give Railway's **Roadmaster (telephone \_\_\_\_\_)** a minimum of thirty (30) calendar days advance notice when flagging services will be required so that the Roadmaster can make appropriate arrangements (i.e., bulletin the flagger's position). If flagging services are scheduled in advance by the Contractor and it is subsequently determined by the parties hereto that such services are no longer necessary, the Contractor must give the Roadmaster five (5) working days advance notice so that appropriate arrangements can be made to abolish the position pursuant to union requirements.
- **1.05.02** Unless determined otherwise by Railway's Project Representative, Railway flagger will be required and furnished when Contractor's work activities are located over, under and/or within twenty-five (25) feet measured horizontally from centerline of the nearest track and when cranes or similar equipment positioned beyond 25-feet from the track centerline could foul the track in the event of tip over or other catastrophic occurrence, but not limited thereto for the following conditions:
  - **1.05.02a** When, upon inspection by Railway's Representative, other conditions warrant.
  - **1.05.02b** When any excavation is performed below the bottom of tie elevation, if, in the opinion of Railway's representative, track or other Railway facilities may be subject to movement or settlement.
  - **1.05.02c** When work in any way interferes with the safe operation of trains at timetable speeds.
  - **1.05.02d** When any hazard is presented to Railway track, communications, signal, electrical, or other facilities either due to persons, material, equipment or blasting in the vicinity.
  - **1.05.02e** Special permission must be obtained from the Railway before moving heavy or cumbersome objects or equipment which might result in making the track impassable.
- **1.05.03** Flagging services will be performed by qualified Railway flaggers.
  - **1.05.03a** Flagging crew generally consists of one employee. However, additional personnel may be required to protect Railway Property and operations, if deemed necessary by the Railways Representative.
  - **1.05.03b** Each time a flagger is called, the minimum period for billing will be the eight (8) hour basic day.
  - **1.05.03c** The cost of flagger services provided by the Railway will be borne by **(Agency)**. The estimated cost for one (1) flagger is approximately between \$800.00-\$1,600.00 for an eight (8) hour basic day with time and one-half or

double time for overtime, rest days and holidays. The estimated cost for each flagger includes vacation allowance, paid holidays, Railway and unemployment insurance, public liability and property damage insurance, health and welfare benefits, vehicle, transportation, meals, lodging, radio, equipment, supervision and other costs incidental to performing flagging services. Negotiations for Railway labor or collective bargaining agreements and rate changes authorized by appropriate Federal authorities may increase actual or estimated flagging rates. **THE FLAGGING RATE IN EFFECT AT THE TIME OF PERFORMANCE BY THE CONTRACTOR HEREUNDER WILL BE USED TO CALCULATE THE ACTUAL COSTS OF FLAGGING PURSUANT TO THIS PARAGRAPH.**

- **1.05.03d** The average train traffic on this route is \_\_\_\_\_ freight trains per 24-hour period at a timetable speed \_\_\_\_\_ MPH and \_\_\_\_\_ passenger trains at a timetable speed of \_\_\_\_\_ MPH.

## **1.06 Contractor General Safety Requirements**

- **1.06.01** Work in the proximity of railway track(s) is potentially hazardous where movement of trains and equipment can occur at any time and in any direction. All work performed by contractors within 25 feet of any track must be in compliance with FRA Roadway Worker Protection Regulations.
- **1.06.02** Before beginning any task on Railway Property, a thorough job safety briefing must be conducted with all personnel involved with the task and repeated when the personnel or task changes. If the task is within 25 feet of any track, the job briefing must include the Railway's flagger, as applicable, and include the procedures the Contractor will use to protect its employees, subcontractors, agents or invitees from moving any equipment adjacent to or across any Railway track(s).
- **1.06.03** Workers must not work within 25 feet of the centerline of any track without an on track safety strategy approved by the Railway's Project Representative. When authority is provided, every contractor employee must know: (1) who the Railway flagger is, and how to contact the flagger, (2) limits of the authority, (3) the method of communication to stop and resume work, and (4) location of the designated places of safety. Persons or equipment entering flag/work limits that were not previously job briefed, must notify the flagger immediately, and be given a job briefing when working within 25 feet of the center line of track.
- **1.06.04** When Contractor employees are required to work on the Railway Property after normal working hours or on weekends, the Railway's representative in charge of the project must be notified. A minimum of two employees must be present at all times.
- **1.06.05** Any employees, agents or invitees of Contractor or its subcontractors under suspicion of being under the influence of drugs or alcohol, or in the possession of same, will be removed from the Railway's Property and subsequently released to the custody of a representative of Contractor management. Future access to the Railway's Property by that employee will be denied.
- **1.06.06** Any damage to Railway Property, or any hazard noticed on passing trains must be



reported immediately to the Railway's representative in charge of the project. Any vehicle or machine which may come in contact with track, signal equipment, or structure (bridge) and could result in a train derailment must be reported immediately to the Railway representative in charge of the project and to the Railway's Resource Operations Center at 1(800) 832-5452. Local emergency numbers are to be obtained from the Railway representative in charge of the project prior to the start of any work and must be posted at the job site.

- **1.06.07** For safety reasons, all persons are prohibited from having pocket knives, firearms or other deadly weapons in their possession while working on Railway's Property.
- **1.06.08** All personnel protective equipment (PPE) used on Railway Property must meet applicable OSHA and ANSI specifications. Current Railway personnel protective equipment requirements are listed on the web site, [www.BNSFContractor.com](http://www.BNSFContractor.com), however, a partial list of the requirements include: a) safety glasses with permanently affixed side shields (no yellow lenses); b) hard hats; c) safety shoe with: hardened toes, above-the-ankle lace-up and a defined heel; and d) high visibility retro-reflective work wear. The Railway's representative in charge of the project is to be contacted regarding local specifications for meeting requirements relating to hi-visibility work wear. Hearing protection, fall protection, gloves, and respirators must be worn as required by State and Federal regulations. **(NOTE – Should there be a discrepancy between the information contained on the web site and the information in this paragraph, the web site will govern.)**
- **1.06.09 THE CONTRACTOR MUST NOT PILE OR STORE ANY MATERIALS, MACHINERY OR EQUIPMENT CLOSER THAN 25'-0" TO THE CENTER LINE OF THE NEAREST RAILWAY TRACK. MATERIALS, MACHINERY OR EQUIPMENT MUST NOT BE STORED OR LEFT WITHIN 250 FEET OF ANY HIGHWAY/RAIL AT-GRADE CROSSINGS OR TEMPORARY CONSTRUCTION CROSSING, WHERE STORAGE OF THE SAME WILL OBSTRUCT THE VIEW OF A TRAIN APPROACHING THE CROSSING. PRIOR TO BEGINNING WORK, THE CONTRACTOR MUST ESTABLISH A STORAGE AREA WITH CONCURRENCE OF THE RAILWAY'S REPRESENTATIVE.**
- **1.06.10** Machines or vehicles must not be left unattended with the engine running. Parked machines or equipment must be in gear with brakes set and if equipped with blade, pan or bucket, they must be lowered to the ground. All machinery and equipment left unattended on Railway's Property must be left inoperable and secured against movement. (See internet Engineering Contractor Safety Orientation program for more detailed specifications)
- **1.06.11** Workers must not create and leave any conditions at the work site that would interfere with water drainage. Any work performed over water must meet all Federal, State and Local regulations.
- **1.06.12** All power line wires must be considered dangerous and of high voltage unless informed to the contrary by proper authority. For all power lines the minimum clearance between the lines and any part of the equipment or load must be; 200 KV or below - 15 feet; 200 to 350 KV - 20 feet; 350 to 500 KV - 25 feet; 500 to 750 KV - 35 feet; and 750 to 1000 KV - 45 feet. If capacity of the line is not known, a minimum clearance of 45 feet must be maintained. A person must be designated to observe clearance of the equipment and give a timely warning for all operations where it is difficult for an operator to maintain the desired clearance by visual means.

## **1.07 Excavation:**

- **1.07.01** Before excavating, the Contractor must determine whether any underground pipe lines, electric wires, or cables, including fiber optic cable systems are present and located within the Project work area. The Contractor must determine whether excavation on Railway's Property could cause damage to buried cables resulting in delay to Railway traffic and disruption of service to users. Delays and disruptions to service may cause business interruptions involving loss of revenue and profits. Before commencing excavation, the Contractor must contact **BNSF's Field Engineering Representative** (\_\_\_\_\_). All underground and overhead wires will be considered HIGH VOLTAGE and dangerous until verified with the company having ownership of the line. **It is the Contractor's responsibility to notify any other companies that have underground utilities in the area and arrange for the location of all underground utilities before excavating.**
- **1.07.02** The Contractor must cease all work and notify the Railway immediately before continuing excavation in the area if obstructions are encountered which do not appear on drawings. If the obstruction is a utility and the owner of the utility can be identified, then the Contractor must also notify the owner immediately. If there is any doubt about the location of underground cables or lines of any kind, no work must be performed until the exact location has been determined. There will be no exceptions to these instructions.
- **1.07.03** All excavations must be conducted in compliance with applicable OSHA regulations and, regardless of depth, must be shored where there is any danger to tracks, structures or personnel.
- **1.07.04** Any excavations, holes or trenches on the Railway's Property must be covered, guarded and/or protected when not being worked on. When leaving work site areas at night and over weekends, the areas must be secured and left in a condition that will ensure that Railway employees and other personnel who may be working or passing through the area are protected from all hazards. All excavations must be back filled as soon as possible.

## **1.08 Hazardous Waste, Substances and Material Reporting:**

- **1.08.01** If Contractor discovers any hazardous waste, hazardous substance, petroleum or other deleterious material, including but not limited to any non-containerized commodity or material, on or adjacent to Railway's Property, in or near any surface water, swamp, wetlands or waterways, while performing any work under this Agreement, Contractor must immediately:  
(a) notify the Railway's Resource Operations Center at 1(800) 832-5452, of such discovery;  
(b) take safeguards necessary to protect its employees, subcontractors, agents and/or third parties; and (c) exercise due care with respect to the release, including the taking of any appropriate measure to minimize the impact of such release.

## **1.09 Personal Injury Reporting**

- **1.09.01** The Railway is required to report certain injuries as a part of compliance with Federal Railroad Administration (FRA) reporting requirements. Any personal injury sustained

by an employee of the Contractor, subcontractor or Contractor's invitees while on the Railway's Property must be reported immediately (by phone mail if unable to contact in person) to the Railway's representative in charge of the project. The Non-Employee Personal Injury Data Collection Form contained herein is to be completed and sent by Fax to the Railway at 1(817) 352-7595 and to the Railway's Project Representative no later than the close of shift on the date of the injury.

## NON-EMPLOYEE PERSONAL INJURY DATA COLLECTION

(If injuries are in connection with rail equipment accident/incident, highway rail grade crossing accident or automobile accident, ensure that appropriate information is obtained, forms completed and that data entry personnel are aware that injuries relate to that specific event.)

Injured Person Type:

☐ Passenger on train (C)

☐ Non-employee (N)

*(i.e., emp of another railroad, or, non-BNSF emp involved in vehicle accident, including company vehicles)*

☐ Contractor/safety sensitive (F)

☐ Contractor/non-safety sensitive (G)

☐ Volunteer/safety sensitive (H)

☐ Volunteer/other non-safety sensitive (I)

☐ Non-trespasser (D) - to include highway users involved in highway rail grade crossing accidents who did not go around or through gates

☐ Trespasser (E) - to include highway users involved in highway rail grade crossing accidents who went around or through gates

☐ Non-trespasser (J) - Off railroad property

If train involved, Train ID:

\_\_\_\_\_

Transmit attached information to Accident/Incident Reporting Center by:

Fax 1-817-352-7595

or by Phone 1-800-697-6736

or email to: [Accident-Reporting.Center@BNSF.com](mailto:Accident-Reporting.Center@BNSF.com)

Officer Providing Information:

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Employee No.)

\_\_\_\_\_  
(Phone #)

**REPORT PREPARED TO COMPLY WITH FEDERAL ACCIDENT REPORTING REQUIREMENTS AND PROTECTED FROM  
DISCLOSURE PURSUANT TO 49 U.S.C. 20903 AND 83 U.S.C. 490**

## NON-EMPLOYEE PERSONAL INJURY DATA COLLECTION

INFORMATION REQUIRED TO BE COLLECTED PURSUANT TO FEDERAL REGULATION. IT SHOULD BE USED FOR COMPLIANCE WITH FEDERAL REGULATIONS ONLY AND IT IS NOT INTENDED TO PRESUME ACCEPTANCE OF RESPONSIBILITY OR LIABILITY.

|  |       |                    |                       |             |       |
|--|-------|--------------------|-----------------------|-------------|-------|
| 1. Accident City/St:   | _____ | 2. Date:           | _____                 | Time:       | _____ |
| County:  | _____ | 3. Temperature:    | _____                 | 4. Weather: | _____ |
| (if non BNSF location)   |       |                    |                       |             |       |
| Mile Post / Line Segment: _____  |       |                    |                       |             |       |
| 5. Driver's License No (and state) or other ID:                          |       |                    | SSN (required): _____ |             |       |
| 6. Name (last, first, mi): _____   |       |                    |                       |             |       |
| 7. Address:  |       | City:              | St:                   | Zip:        |       |
| _____  |       | _____              | _____                 | _____       |       |
| 8. Date of Birth:  |       | and/or Age:        |                       | Gender:     |       |
| _____  |       | _____              |                       | _____       |       |
| (if available)   |       |                    |                       |             |       |
| Phone Number:  |       | Employer:          |                       |             |       |
| _____  |       | _____              |                       |             |       |
| 9. Injury:   |       | 10. Body Part:     |                       |             |       |
| _____  |       | _____              |                       |             |       |
| (i.e., Laceration, etc.)   |       | (i.e., Hand, etc.) |                       |             |       |
| 11. Description of Accident (To include location, action, result, etc.): |       |                    |                       |             |       |
| _____  |       |                    |                       |             |       |
| _____  |       |                    |                       |             |       |
| _____  |       |                    |                       |             |       |
| 12. Treatment:   |       |                    |                       |             |       |
| <input type="checkbox"/> First Aid Only                                  |       |                    |                       |             |       |
| <input type="checkbox"/> Required Medical Treatment                      |       |                    |                       |             |       |
| <input type="checkbox"/> Other Medical Treatment                         |       |                    |                       |             |       |
| _____  |       |                    |                       |             |       |
| _____  |       |                    |                       |             |       |
| 13. Dr. Name:  |       |                    | Date:                 |             |       |
| _____  |       |                    | _____                 |             |       |
| 14. Dr. Address:   |       |                    |                       |             |       |
| Street:  |       | City:              | St:                   | Zip:        |       |
| _____  |       | _____              | _____                 | _____       |       |
| 15. Hospital Name:   |       |                    |                       |             |       |
| _____  |       |                    |                       |             |       |
| 16. Hospital Address:  |       |                    |                       |             |       |
| Street:  |       | City:              | St:                   | Zip:        |       |
| _____  |       | _____              | _____                 | _____       |       |
| 17. Diagnosis:   |       |                    |                       |             |       |
| _____  |       |                    |                       |             |       |

REPORT PREPARED TO COMPLY WITH FEDERAL ACCIDENT REPORTING REQUIREMENTS  
AND PROTECTED FROM DISCLOSURE PURSUANT TO 49 U.S.C. 20903 AND 83 U.S.C. 490