

**INTERLOCAL COOPERATION AGREEMENT**  
**between**  
**SALT LAKE COUNTY and SANDY CITY CORPORATION**  
**for**  
**A TEMPORARY CONSTRUCTION EASEMENT**

**THIS INTERLOCAL COOPERATION AGREEMENT** (“Agreement”) is effective the \_\_\_\_\_ day of \_\_\_\_\_, 2019, by and between **SALT LAKE COUNTY**, a body corporate and politic of the State of Utah (the “County”), and **SANDY CITY CORPORATION**, a Utah municipal corporation created under the laws of the State of Utah (the “City”). The County and the City are sometimes referred to individually in this Agreement as a “Party” and collectively as the “Parties.”

**RECITALS**

A. UTAH CODE ANN. §11-13-202 and other provisions of the Interlocal Cooperation Act (codified as UTAH CODE ANN. § 11-13-101, *et seq.*) (the “Act”) provides that any two or more public agencies may enter into an agreement with one another for joint or cooperative actions.

B. UTAH CODE ANN. §11-13-214 provides that any public agency may convey property to or acquire property from any other public agencies for consideration as may be agreed upon.

C. The County and the City are public agencies for purposes of the Act.

The City owns certain real property located in White City Metro Township, more specifically identified as Parcel Nos. 28-08-206-008, 28-08-179-001, 28-08-126-018, 28-08-127-053, 28-08-126-005, 28-08-332-020, 28-08-332-021, and 28-08-355-025 (the “City Property”). The County would like to construct a trail between Carnation Drive and 9400 South to connect trails in this area.

D. Pursuant to the authority granted by the Interlocal Cooperation Act, the Parties mutually desire to enter into this Agreement, which sets forth the terms and conditions of their joint and cooperative action to provide for construction and maintenance of the trail.

**AGREEMENT**

In consideration of the premises and for other good and valuable consideration, the receipt and legal sufficiency of which is hereby acknowledged, the Parties hereby agree as follows:

Section 1. **County Responsibilities.**

The County shall:

- (a) Design and construct the trail at the County’s expense.

- (b) Provide all required approvals and permits for construction of the trail.
- (c) Allow the City to review and consider for approval as necessary, the planning and construction drawings and specifications, in substantially the form attached hereto as Exhibit "A," for construction of the trail on the City Property.

Section 2. **City Responsibilities.**

The City shall:

- (a) Convey to the County for no fee a Temporary Construction Easement in the form attached as Exhibit "B" so that the trail can be constructed on the City Property.
- (b) Review and consider for approval as necessary, the planning and construction drawings and specifications prepared and provided by the County, in substantially the form attached hereto as Exhibit "A," for construction of the trail on the City Property.

Section 3. **Maintenance of Trail.**

Upon completion of construction of the trail and acceptance by the City, the City shall be responsible for all necessary maintenance and upkeep of all portions of the trail that are on land owned by the City for such time as owned by the City. In any event, the County shall have no further maintenance or upkeep obligations. The terms of this paragraph shall remain effective, notwithstanding the expiration or termination of this Agreement.

**ADDITIONAL PROVISIONS**

Section 4. **Duration and Termination.**

The term of this Agreement shall commence upon its execution by the Parties and expire fifty (50) years after the date of execution of this Agreement.

Section 5. **General Provisions.**

The following provisions are also integral parts of this Agreement:

- (a) *Binding Agreement.* This Agreement shall be binding upon and shall inure to the benefit of the successors and assigns of the respective Parties hereto.
- (b) *Titles and Captions.* The headings used in this Agreement are inserted for reference purposes only and shall not be deemed to define, limit, extend, describe, or affect in any way the meaning, scope, or interpretation of any of the terms or provisions of this Agreement or the intent hereof.
- (c) *Counterparts.* This Agreement may be signed in any number of counterparts with the same effect as if the signatures upon any counterpart were upon the same instrument. All signed counterparts shall be deemed to be one original.

- (d) Severability. The provisions of this Agreement are severable, and should any provision hereof be void, voidable, unenforceable, or invalid, such void, voidable, unenforceable, or invalid provision shall not affect the other provisions of this Agreement.
- (e) Waiver of Breach. Any waiver by either Party of any breach of any kind or character whatsoever by the other, whether such be direct or implied, shall not be construed as a continuing waiver of or consent to any subsequent breach of this Agreement.
- (f) Cumulative Remedies. The rights and remedies of the parties hereto shall be construed cumulatively, and none of such rights and remedies shall be exclusive of, or in lieu or limitation of, any other right, remedy or priority allowed by law.
- (g) Amendment. This Agreement may be modified but only by an instrument in writing signed by the Parties hereto.
- (h) Applicable Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Utah.
- (i) Notice. Any notice or other communication required or permitted to be given under this Agreement shall be deemed sufficient if given by a written communication and shall be deemed to have been received upon personal delivery, actual receipt, or within three (3) days after such notice is deposited in the United States mail, postage prepaid, and certified and addressed to the parties as set forth below:

|                  |   |
|------------------|---|
| Salt Lake County | Salt Lake County Mayor<br>2001 South State Street, N2-100<br>Salt Lake City, Utah 84114 |
|------------------|---|

|                        |  |
|------------------------|--|
| Sandy City Corporation | Sandy City Corporation<br>Attn: Public Utilities<br>10000 Centennial Parkway<br>Sandy, Utah 84070-1799 |
|------------------------|--|

- (j) No Interlocal Entity. The Parties agree that they do not by this Agreement create an interlocal entity.
- (k) Joint Board. As required by Utah Code Ann. § 11-13-207, the Parties agree that the cooperative undertaking under this Agreement shall be administered by a joint board consisting of the County's Mayor or designee and the City's Mayor or designee. Any real or personal property used in the Parties' cooperative undertaking herein shall be acquired, held, and disposed of in accordance with this Agreement.
- (l) Joint Cooperative Undertaking and Establishing Budget. There is no financing of joint or cooperative undertaking herein, and no future budget shall be established or maintained unless described herein.

- (m) Manner of Acquiring, Holding, or Disposing of Property. Any property will be acquired, held, or disposed of pursuant to this Agreement only as provided in this Agreement, and unless agreed to herein shall not be used in any other manner.
- (n) Exhibits and Recitals. The recitals to this Agreement, as set forth above, are incorporated herein to the same extent as if such items were set forth herein in their entirety within the body of this Agreement.
- (o) Liability and Indemnification. Both Parties are governmental entities under the Governmental Immunity Act of Utah, §§ 63G-7-101 to -904 (2018), as amended (the “Immunity Act”). There are no indemnity obligations between these Parties. Subject to and consistent with the terms of the Immunity Act, the County and the City shall be liable for their own negligent acts or omissions, or those of their authorized employees, officers, and agents while engaged in the performance of the obligations under this Agreement, and neither the County nor the City shall have any liability whatsoever for any negligent act or omission of the other Party, its employees, officers, or agents. Neither Party waives any defenses or limits of liability available under the Immunity Act and other applicable law. Both Parties maintain all privileges, immunities, and other rights granted by the Immunity Act and all other applicable law.
- (p) Ethical Standards. The Parties hereto represent that they have not: (a) provided an illegal gift or payoff to any officer or employee, or former officer or employee, or to any relative or business entity of an officer or employee, or relative or business entity of a former officer or employee of the other Party hereto; (b) retained any person to solicit or secure this Agreement upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, other than bona fide employees of bona fide commercial agencies established for the purpose of securing business; (c) breached any of the ethical standards set forth in State statute or the County's Ethics, Gifts and Honoraria ordinance (Chapter 2.07, Salt Lake County Code of Ordinances, (2001); or (d) knowingly influenced, and hereby promise that they will not knowingly influence, any officer or employee or former officer or employee to breach any of the ethical standards set forth in State statute, or County or City ordinances.
- (q) Attorney Review. This Agreement shall be reviewed as to proper form and compliance with applicable law by the authorized attorneys for each Party in accordance with Utah Code Ann. § 11-13-202.5.
- (r) Copies. Duly executed original counterparts of this Agreement shall be filed with the keeper of records of each Party, pursuant to Utah Code Ann. § 11-13-209.
- (s) Third Parties. Nothing herein expressed or implied is intended or shall be construed to confer upon or give any person, board, or entity, other than the Parties hereto and their successors and assigns, any right or remedies by reason of this Agreement, as a third party beneficiary or otherwise.
- (t) Relationship of the Parties. Nothing contained in this Agreement shall constitute or be construed to create any partnership or agency relationship between the Parties, or to create any new entity.

- (u) Assignment. The Parties shall not assign, sublease, or transfer any interest in this Agreement.
- (v) Entire Agreement. This Agreement and the applicable laws, regulations, and policies referenced herein, constitute the entire Agreement between the Parties regarding the subject matter hereof and is intended to be a final expression of their Agreement. No promise, representation, warranty or covenant not included in this document has been or is relied upon by any Party. Each Party has relied upon its own examination of the full Agreement and the counsel of its own advisors.
- (w) Costs. Except as otherwise specifically provided herein, each Party shall be responsible for its own costs of any action done pursuant to this Agreement, and for any financing of such costs.

**IN WITNESS WHEREOF**, the City, by resolution duly adopted by its Council, a copy of which is attached hereto, caused this Agreement to be signed by its Mayor; and the County, by resolution of its council, a copy of which is attached hereto, caused this Agreement to be signed by the Mayor, or his designee.

**SALT LAKE COUNTY**

By: \_\_\_\_\_  
 Mayor or Designee  
 Date: \_\_\_\_\_

**APPROVED AS TO FORM:**

\_\_\_\_\_  
 R. Christopher Preston, Deputy District Attorney

**SANDY CITY CORPORATION**

By: \_\_\_\_\_  
 Mayor or Designee  
 Date: \_\_\_\_\_

ATTEST:

\_\_\_\_\_  
 \_\_\_\_\_, City Recorder

**APPROVED AS TO FORM:**

\_\_\_\_\_  
 Darien Alcorn, City Attorney

Exhibit A  
(Planning and Construction Drawings for the Trail)

# SALT LAKE COUNTY UTAH

## WHITE CITY CANAL TRAIL

MARCH 2019

BID SET



PROJECT NO. 55-15-107  
SALT LAKE COUNTY CONTRACT NO. PAR56294



J-U-B ENGINEERS, INC.

466 North 900 West, Kaysville, UT 84037  
p 801 547 0393 f 801 547 0397 w www.jub.com

OTHER J-U-B COMPANIES THE LANGDON GROUP GATEWAY MAPPING INC.

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AREA MAP



VICINITY MAP



### NOTICE AND DISCLAIMER

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LAST UPDATED: 3/1/2019

SHEET NUMBER:

G-001

## GENERAL NOTES

- SALT LAKE COUNTY AND THE ENGINEER HAVE JURISDICTION OVER THIS PROJECT. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND BUSINESS LICENSES PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR DUST ABATEMENT AND ANY LIABILITY ISSUES RELATED TO DUST AT ANY LOCATION WHICH MAY BE CAUSED BY THIS PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION OF PEDESTRIANS IN AND AROUND THIS WORK. REFERENCE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD LATEST EDITION FOR WORK ZONE TRAFFIC CONTROL).
- ANY WORK DONE WITHIN A PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE TRANSPORTATION AGENCY AND SHALL MEET THE REQUIREMENTS OF THAT AGENCY AND, IN PARTICULAR, REQUIREMENTS OF ANY RIGHT-OF-WAY SPECIAL USE PERMIT, OR OTHER PERMIT. ALL WORK SHALL MEET CURRENT OSHA REQUIREMENTS.
- WHERE WORK IS PERFORMED ON EASEMENTS, THE CONTRACTOR SHALL TAKE EVERY PRECAUTION TO ELIMINATE ANY ADVERSE EFFECTS ON THE ADJACENT PROPERTY AND/OR TO RESTORE IT TO ITS ORIGINAL CONDITION.
- CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS AND INSTALLATION CONDITIONS.
- ALL DISTANCES AND DATA SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. IN CASE OF CONFLICT THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY SO THAT CLARIFICATION MAY BE MADE PRIOR TO THE START OF THE WORK.
- THE CONTRACTOR SHALL ARRANGE FOR, SECURE AND PAY FOR DIRECTLY, ANY AND ALL TEMPORARY UTILITY SUPPLIES (E.G. WATER POWER, AND TELEPHONE) IT MAY REQUIRE FOR PROSECUTION OF ITS WORK. THE COST OF SUCH UTILITIES SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM WITH WHICH IT IS ASSOCIATED.
- SHOULD CONSTRUCTION BE HALTED BECAUSE OF INCLEMENT WEATHER CONDITIONS, THE CONTRACTOR WILL COMPLETELY CLEAN UP ALL AREAS AND MAINTAIN THE SURFACE IN GOOD CONDITION DURING THE SHUT-DOWN PERIOD.
- THE CONTRACTOR'S PERSONNEL, EQUIPMENT, AND OPERATIONS SHALL COMPLY FULLY WITH ALL APPLICABLE STANDARDS, REGULATIONS, AND REQUIREMENTS OF EXISTING FEDERAL, UTAH STATE, AND LOCAL GOVERNMENTAL AGENCIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL LOCAL, STATE, AND FEDERAL PERMITS REQUIRED FOR STORM WATER POLLUTION PREVENTION AS A RESULT OF CONSTRUCTION ACTIVITIES. WHEN CALLED FOR IN THE CONTRACT DOCUMENTS, CONTRACTOR SHALL PREPARE A STORM WATER POLLUTION PREVENTION PLAN FOR APPROVAL BY THE ENGINEER AND FOR SUBMITTAL TO LOCAL AUTHORITIES FOR REVIEW AND APPROVAL. IF THE CONSTRUCTION WILL DISTURB MORE THAN ONE ACRE, CONTRACTOR SHALL FILE A "NOTICE OF INTENT" FOR PERMIT COVERAGE UNDER THE STATE'S UPDES STORM WATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITIES (UTR300000) AND PAY ALL ASSOCIATED FEES. THE NOI MAY BE OBTAINED ELECTRONICALLY AT THE FOLLOWING WEBSITE:  
<http://www.deq.utah.gov/permits/water/updes/stormwatercon.htm#BMP> AND CLICKING ON THE LINK FOR NOTICE OF INTENT UNDER THE GENERAL CONSTRUCTION HEADING. ONCE THE NOI IS COMPLETED A PERMIT CAN BE OBTAINED BY FOLLOWING THE "ACCESS STORM WATER PERMIT DATABASE" LINK AT THE SAME URL ADDRESS. THE CGP DOES NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH OTHER REGULATIONS OR CONTRACT REQUIREMENTS REGARDING STORM WATER POLLUTION PREVENTION INCLUDING BUT NOT LIMITED TO: PROTECTION OF SURFACE WATERS, PREVENTION OF SOIL RUNOFF INTO DRAINS, DUST CONTROL, PREVENTION OF TRACKING SOILS TO ADJACENT STREETS, FUEL CONTAINMENT, SPILL CONTROL, ETC.
- ALL WORK SHALL BE CONTAINED IN OR LIMITED TO THE COUNTY'S PROPERTY, EASEMENTS, OR APPROVED STAGING AREAS.
- CONTRACTOR TO PROVIDE, CONSTRUCT, MAINTAIN AND REMOVE A TEMPORARY FENCE AROUND THE CONSTRUCTION SITE USED TO PROTECT NEIGHBORING PROPERTIES FROM DAMAGE. CONTRACTOR IS ALSO RESPONSIBLE TO PROTECT AND SAFE GUARD WORK SITE. PAY ITEM TO BE INCLUDED IN MOBILIZATION.
- CONSTRUCTION STAKING REQUIRED TO COMPLETE THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES AND BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES AND EXISTING IMPROVEMENTS AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION ACTIVITIES.

## EXISTING UTILITIES

- APPROXIMATE LOCATIONS OF UTILITIES ARE SHOWN ON THE PLANS. THEY ARE TO BE USED FOR GENERAL INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE APPROPRIATE UTILITY COMPANIES WHEN CONSTRUCTION MIGHT INTERFERE WITH NORMAL OPERATION OF ANY UTILITIES. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE APPROPRIATE UTILITY COMPANY FIELD-LOCATE ANY UTILITY INSTALLATIONS WHICH MIGHT BE AFFECTED BY CONSTRUCTION PRIOR TO BEGINNING WORK IN THAT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICE OF EXISTING UTILITIES AND FOR RESTORING ANY UTILITIES DAMAGED DUE TO CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. DEPTHS AND ELEVATIONS OF UTILITIES ARE UNKNOWN UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL FIELD VERIFY UTILITY DEPTHS, ELEVATIONS, ANY DISCREPANCIES AND/OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

## CONTACT PHONE NUMBERS

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Salt Lake County Parks & Recreation  
Project Manager  
385-468-1816

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JUB Engineers, Inc.  
Landscape Architect  
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Comcast  
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Arlene Denny  
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Questar Gas  
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Scott Neilsen  
Sandy Suburban Improvement District  
801-561-7662

Ryan Johnson  
White City Water Improvement District  
801-571-3991

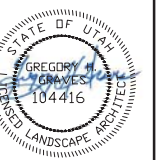
David Gardner  
Water Pro Irrigation Co.  
801-571-2232



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### BID SET



| NO. | DESCRIPTION | BY | APPR. | DATE |
|-----|-------------|----|-------|------|
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WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH  
GENERAL NOTES



Know what's below.  
Call before you dig.

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

FILE: G-00X  
JUB PROJ. #: 55-15-107  
DRAWN BY: TAG  
DESIGN BY: GHG  
CHECKED BY: GHG

LAST UPDATED: 3/1/2019  
SHEET NUMBER:

G-002

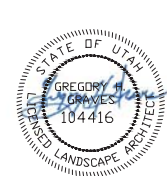




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| NO. | DESCRIPTION | BY | DATE |
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WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH  
LINE LEGEND - SHEET NUMBERING - DETAIL IDENTIFIERS

FILE: G-00X  
JUB PROJ. #: 55-15-107  
DRAWN BY: TAG  
DESIGN BY: GHG  
CHECKED BY: GHG

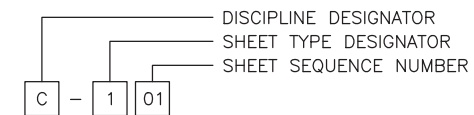
LAST UPDATED: 3/1/2019

SHEET NUMBER:

G-003

### SHEET NUMBERING

SAMPLE: C-101



### LINE LEGEND

| LINE DESCRIPTION                      | PROPOSED LINE | EXISTING LINE     |
|---------------------------------------|---------------|-------------------|
| <b>POWER / COMMUNICATIONS</b>         |               |                   |
| OVERHEAD POWER                        | — OHP —       | — OHP —           |
| UNDERGROUND POWER                     | — UP —        | --- UP ---        |
| OVERHEAD TELEPHONE                    | — OHT —       | --- OHT ---       |
| UNDERGROUND TELEPHONE                 | — UT —        | --- UT ---        |
| FIBER OPTIC                           | — F/O —       | --- F/O ---       |
| CABLE TELEVISION                      | — CTV —       | --- CTV ---       |
| UNDERGROUND POWER, TEL, CABLE TV      |               | --- P,T,CTV ---   |
| UNDERGROUND POWER, TEL, CABLE TV, GAS |               | --- P,T,CTV,G --- |
| <b>STORM DRAIN</b>                    |               |                   |
| STORM DRAIN (GENERAL)                 | — SD —        | --- SD ---        |
| STORM DRAIN                           | — X*SD —      | --- X*SD ---      |
| ROOF DRAIN                            | — RD —        | --- RD ---        |
| <b>SANITARY SEWER</b>                 |               |                   |
| SANITARY SEWER (GENERAL)              | — SS —        | --- SS ---        |
| SANITARY SEWER                        | — X*SS —      | --- X*SS ---      |
| SANITARY SEWER SERVICE                | — SS — SS —   | --- SS --- SS --- |
| SEWER FORCE MAIN                      | — FM —        | --- FM ---        |
| <b>WATER</b>                          |               |                   |
| WATER (GENERAL)                       | — W —         | --- W ---         |
| WATER (SPECIFIED SIZE)                | — X*W —       | --- X*W ---       |
| WATER SERVICE                         | — WS — WS —   | --- WS --- WS --- |
| <b>IRRIGATION</b>                     |               |                   |
| IRRIGATION                            | — IRR —       | --- IRR ---       |
| GRAVITY IRRIGATION                    | — GIRR —      | --- GIRR ---      |
| PRESSURE IRRIGATION                   | — PIRR —      | --- PIRR ---      |
| POTABLE WATER                         | — PW —        | --- PW ---        |
| NON-POTABLE WATER                     | — NPW —       | --- NPW ---       |
| <b>GAS</b>                            |               |                   |
| NATURAL GAS                           | — G —         | --- G ---         |
| NATURAL GAS SERVICE                   | — G — G —     | --- G --- G ---   |
| HIGH PRESSURE GAS                     | — HPG —       | --- HPG ---       |
| LIQUID GAS                            | — LG —        | --- LG ---        |
| <b>UTILITY</b>                        |               |                   |
| CHLORINE LINE                         | — CHL —       | --- CHL ---       |
| INDUSTRIAL WASTE WATER                | — IWW —       | --- IWW ---       |
| DRAIN LINE                            |               | --- DL ---        |

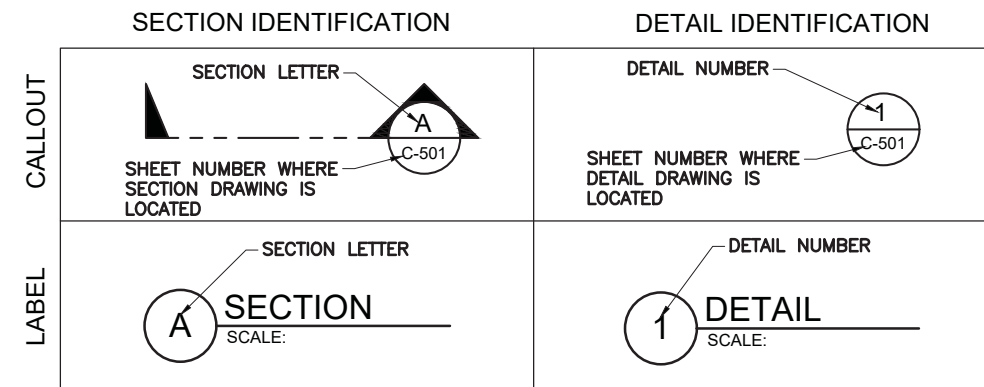
| LINE DESCRIPTION     | PROPOSED LINE | EXISTING LINE   |
|----------------------|---------------|-----------------|
| <b>BOUNDARY</b>      |               |                 |
| PROPERTY LINE        | — P/L —       | --- P/L ---     |
| PROPERTY LINE        | — — — —       | --- — — —       |
| RIGHT OF WAY         | — R/W —       | --- R/W ---     |
| TEMPORARY EASEMENT   | — T/E —       | --- T/E ---     |
| PERMANENT EASEMENT   | — P/E —       | --- P/E ---     |
| TOWNSHIP AND RANGE   |               | --- — — —       |
| SECTION LINE         |               | --- — — —       |
| QUARTER SECTION LINE |               | --- — — —       |
| 1/16 SECTION LINE    |               | --- — — —       |
| STATE LINE           |               | --- — — —       |
| COUNTY LINE          |               | --- — — —       |
| <b>SITE</b>          |               |                 |
| FENCE                | — X —         | --- X ---       |
| SILT FENCE           | — [ ] —       | --- [ ] ---     |
| MAJOR CONTOUR        | — 2521 —      | --- — — —       |
| MINOR CONTOUR        |               | --- — — —       |
| GRADE BREAK          |               | — GB —          |
| TOP OF BANK          |               | — TOB —         |
| TOE OF SLOPE         |               | — TOE —         |
| CUT LIMITS           | — — — —       | --- — — —       |
| FILL LIMITS          | — . . . . —   | --- . . . . --- |
| DITCH                | — . . . . —   | --- . . . . --- |
| STORM SWALE          | — . . . . —   | --- . . . . --- |
| EDGE OF WATER        |               | --- — — —       |
| HIGH WATER           |               | --- — — —       |
| WETLAND              |               | — WET —         |
| WETLAND BOG          |               | — BOG —         |
| WETLAND MARSH        |               | — MRSH —        |
| WETLAND SWAMP        |               | — SWMP —        |
| <b>ROADWAY</b>       |               |                 |
| ROAD SHOULDER        | — — — —       | --- — — —       |
| ROAD CENTERLINE      | — — — —       | --- — — —       |
| ROAD ASPHALT         | — — — —       | --- EP ---      |
| ROAD GRAVEL          | — — — —       | --- EG ---      |
| TOP BACK OF CURB     | — — — —       | --- — — —       |
| LIP OF GUTTER        | — — — —       | --- — — —       |
| LANDSCAPING LIMITS   | — LS —        | --- LS ---      |

| DISCIPLINE DESIGNATORS |            |                     |
|------------------------|------------|---------------------|
| DISCIPLINE             | DESIGNATOR | DESCRIPTION         |
| GENERAL                | G          | ALL GENERAL         |
|                        | GI         | GENERAL INFORMATION |
|                        | GC         | GENERAL CONTRACTUAL |
|                        | GR         | GENERAL RESOURCE    |
| SURVEY/MAPPING         | V          | ALL SURVEY          |
| GEOTECHNICAL           | B          | ALL GEOTECHNICAL    |
| CIVIL                  | C          | ALL CIVIL           |
| LANDSCAPE              | L          | ALL LANDSCAPE       |
| STRUCTURAL             | S          | ALL STRUCTURAL      |
| ARCHITECTURAL          | A          | ALL ARCHITECTURE    |
| EQUIPMENT              | Q          | ALL EQUIPMENT       |
| MECHANICAL             | M          | ALL MECHANICAL      |
| ELECTRICAL             | E          | ALL ELECTRICAL      |
| PLUMBING               | P          | ALL PLUMBING        |
| PROCESS                | D          | ALL PROCESS         |
| RESOURCE               | R          | ALL RESOURCE        |

| SHEET TYPE DESIGNATORS |   |
|------------------------|---|
| DESIGNATOR             | SHEET TYPE  |
| 0                      | GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)               |
| 1                      | PLANS (HORIZONTAL VIEWS)                              |
| 2                      | ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES        |
| 3                      | SECTIONS (SECTIONAL VIEWS)                            |
| 4                      | LARGE-SCALE VIEWS (PLANS, ELEVATIONS, ECT.)           |
| 5                      | DETAILS OR COMBINED DETAILS AND SECTIONS              |
| 6                      | SCHEDULES AND DIAGRAMS                                |
| 7                      | USER DEFINED  |
| 8                      | USER DEFINED  |
| 9                      | 3D REPRESENTATIONS (ISOMETRICS, PERSPECTIVES, PHOTOS) |

### SECTION AND DETAIL IDENTIFIERS

NOTE:  
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.



| SYMBOL DESCRIPTION      | EXISTING SYMBOL | PROPOSED SYMBOL |
|-------------------------|-----------------|-----------------|
| <b>SURVEY</b>           |                 |                 |
| CAP (ALUMINUM)          |                 |                 |
| CAP (BRASS)             |                 |                 |
| CHISELED X              |                 |                 |
| CTRL PT GENERIC         |                 |                 |
| CTRL PT 1/2" REBAR      |                 |                 |
| CTRL PT 5/8" REBAR      |                 |                 |
| CTRL PT 60D NAIL        |                 |                 |
| CTRL PT HUB & TACK      |                 |                 |
| CTRL PT PK NAIL         |                 |                 |
| CTRL PT TEMP BENCH MARK |                 |                 |
| NAIL                    |                 |                 |
| NAIL AND TAG            |                 |                 |
| NAIL (PK)               |                 |                 |
| BOLT                    |                 |                 |
| DRILL STEEL             |                 |                 |
| REBAR (1/2")            |                 |                 |
| REBAR (5/8")            |                 |                 |
| STAINLESS STEEL ROD     |                 |                 |
| IRON PIPE               |                 |                 |
| RAILROAD SPIKE          |                 |                 |
| R/W MONUMENT            |                 |                 |
| STONE                   |                 |                 |
| SECTION CORNER. MON.    |                 |                 |
| SECTION QUARTER MON.    |                 |                 |
| <b>SITE</b>             |                 |                 |
| BOLLARD                 |                 |                 |
| BOULDER                 |                 |                 |
| DRINKING FOUNTAIN       |                 |                 |
| FLAGPOLE                |                 |                 |
| GATE                    |                 |                 |
| MAIL BOX                |                 |                 |
| PARKING METER           |                 |                 |
| POST                    |                 |                 |
| SIGN                    |                 |                 |
| SPOT ELEVATION          |                 |                 |
| TREE (SHRUB)            |                 |                 |
| TREE (STUMP)            |                 |                 |
| TREE (CONIFEROUS)       |                 |                 |
| TREE (DECIDUOUS)        |                 |                 |
| TEST HOLE               |                 |                 |
| WELL                    |                 |                 |
| WELL (MONITORING)       |                 |                 |

| SYMBOL DESCRIPTION          | EXISTING SYMBOL | PROPOSED SYMBOL |
|-----------------------------|-----------------|-----------------|
| <b>UTILITIES</b>            |                 |                 |
| MANHOLE (GENERIC)           |                 |                 |
| PRESSURE CLEAN OUT AT GRADE |                 |                 |
| THRUST BLOCK                |                 |                 |
| VAULT                       |                 |                 |
| <b>COMMUNICATION</b>        |                 |                 |
| TELE. MANHOLE               |                 |                 |
| TELE. PEDASTAL              |                 |                 |
| TELE. POLE                  |                 |                 |
| TV PEDASTAL                 |                 |                 |
| GUY WIRE                    |                 |                 |
| <b>DOMESTIC WATER</b>       |                 |                 |
| FIRE HYDRANT                |                 |                 |
| SPIGOT                      |                 |                 |
| YARD HYDRANT                |                 |                 |
| WATER MANHOLE               |                 |                 |
| WATER METER                 |                 |                 |
| WATER VALVE                 |                 |                 |
| <b>ELECTRIC</b>             |                 |                 |
| ELEC. MANHOLE               |                 |                 |
| ELEC. METER                 |                 |                 |
| ELEC. TRANS.                |                 |                 |
| JUNCTION BOX                |                 |                 |
| POWER POLE                  |                 |                 |
| POWER STUB                  |                 |                 |
| STREET LIGHT                |                 |                 |
| TRAFFIC SIGNAL POLE         |                 |                 |
| <b>IRRIGATION</b>           |                 |                 |
| IRRIGATION VALVE            |                 |                 |
| IRRIGATION VALVE BOX        |                 |                 |
| SPRINKLER                   |                 |                 |
| <b>NATURAL GAS</b>          |                 |                 |
| GAS METER                   |                 |                 |
| GAS VALVE                   |                 |                 |
| <b>SANITARY SEWER</b>       |                 |                 |
| CLEANOUT                    |                 |                 |
| SEWER STUB                  |                 |                 |
| SS MANHOLE                  |                 |                 |
| <b>STORM DRAIN</b>          |                 |                 |
| CATCH BASIN                 |                 |                 |
| DRY WELL                    |                 |                 |
| FLARE END                   |                 |                 |
| GREASE TRAP                 |                 |                 |
| SD MANHOLE                  |                 |                 |

| SYMBOL DESCRIPTION   | EXISTING SYMBOL | PROPOSED SYMBOL |
|----------------------|-----------------|-----------------|
| <b>FITTINGS</b>      |                 |                 |
| BEND (11.25°)        |                 |                 |
| BEND (22.5°)         |                 |                 |
| BEND (45°)           |                 |                 |
| BEND (90°)           |                 |                 |
| CAP                  |                 |                 |
| COUPLING             |                 |                 |
| CROSS                |                 |                 |
| REDUCER (CONCENTRIC) |                 |                 |
| REDUCER (ECCENTRIC)  |                 |                 |
| TEE                  |                 |                 |
| TRUE UNION           |                 |                 |
| WYE                  |                 |                 |
| <b>VALVES</b>        |                 |                 |
| AIR VALVE            |                 |                 |
| BLOW OFF             |                 |                 |
| COMBO VALVE          |                 |                 |
| BALL VALVE (N.C.)    |                 |                 |
| BALL VALVE (N.O.)    |                 |                 |
| BUTTERFLY VALVE      |                 |                 |
| CHECK VALVE          |                 |                 |
| CHECK VALVE (FLANGE) |                 |                 |
| CHECK VALVE (MJ)     |                 |                 |
| GATE VALVE           |                 |                 |
| PLUG VALVE (N.C.)    |                 |                 |
| PLUG VALVE (N.O.)    |                 |                 |
| <b>ROAD MARKINGS</b> |                 |                 |
| TURN ARROW           |                 |                 |
| ARROW STRAIGHT       |                 |                 |
| ARROW STRAIGHT/TURN  |                 |                 |
| BICYCLE ROUTE        |                 |                 |
| CAR                  |                 |                 |
| HANDICAP SYMBOL      |                 |                 |
| <b>ROADWAY</b>       |                 |                 |
| INTERSTATE ROUTE     |                 |                 |
| MAST ARM             |                 |                 |
| PEDESTRIAN SIGNAL    |                 |                 |
| STATE ROUTE          |                 |                 |
| TRAFFIC LIGHT        |                 |                 |

| SYMBOL DESCRIPTION     | EXISTING SYMBOL | PROPOSED SYMBOL |
|------------------------|-----------------|-----------------|
| <b>ROADWAY (CONT.)</b> |                 |                 |
| TYPE 2 BARRICADE       |                 |                 |
| US ROUTE               |                 |                 |
| TRAFFIC ATTENUATOR     |                 |                 |
| JERSEY BARRIER         |                 |                 |

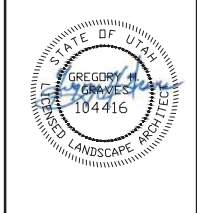
| ABBREVIATIONS |                           |
|---------------|---------------------------|
| ASSY          | ASSEMBLY                  |
| >             | ANGLE                     |
| @             | AT (MEASUREMENTS)         |
| BLDG          | BUILDING                  |
| BM            | BENCH MARK                |
| BSC           | BITUMINOUS SURFACE COURSE |
| BSW           | BACK OF SIDEWALK          |
| BW            | BOTH WAYS                 |
| C             | CHANNEL (STRUCTURAL)      |
| C/L           | CENTER LINE               |
| CMP           | CORRUGATED METAL PIPE     |
| CO            | CLEANOUT                  |
| CONC          | CONCRETE                  |
| CONT          | CONTINUOUS                |
| CPLG          | COUPLING                  |
| CU FT         | CUBIC FEET                |
| CU YD         | CUBIC YARD                |
| DEG OR °      | DEGREE                    |
| DET           | DETAIL                    |
| DIA OR ø      | DIAMETER                  |
| DIP           | DUCTILE IRON PIPE         |
| DIST          | DISTRIBUTION              |
| DWG           | DRAWING                   |
| EA            | EACH                      |
| ELB           | ELBOW                     |
| ELEV          | ELEVATION                 |
| EW            | EACH WAY                  |
| EXIST         | EXISTING                  |
| FG            | FINISH GRADE              |
| FH            | FIRE HYDRANT              |
| FLG           | FLANGE                    |
| FT OR '       | FEET                      |
| GV            | GATE VALVE                |
| HORIZ         | HORIZONTAL                |
| ID            | INSIDE DIAMETER           |
| IN OR "       | INCH                      |
| LB OR #       | POUND                     |
| LF            | LINEAL FEET               |
| LN            | LINEAL                    |
| MAX           | MAXIMUM                   |
| MIN           | MINIMUM                   |
| NO OR #       | NUMBER                    |
| PE            | POLYETHYLENE              |
| PL            | PLATE                     |
| PL            | PROPERTY LINE             |
| PVC           | POLYVINYL-CHLORIDE        |
| R             | RADIUS                    |
| RP            | RADIUS POINT              |
| R&R           | REMOVE & REPLACE          |
| REM           | REMOVE                    |
| REQ'D         | REQUIRED                  |
| REV           | REVISION                  |
| R/W           | RIGHT-OF-WAY              |

|         |                      |
|---------|----------------------|
| S       | SLOPE                |
| SPEC    | SPECIFICATION        |
| STA     | STATION              |
| STD     | STANDARD             |
| STL     | STEEL                |
| ST STL  | STAINLESS STEEL      |
| TBC     | TOP BACK OF CURB     |
| TYP     | TYPICAL              |
| TFC     | TOP FACE OF CONCRETE |
| W/      | WITH                 |
| W/O     | WITHOUT              |
| W/REQ'D | WHERE REQUIRED       |



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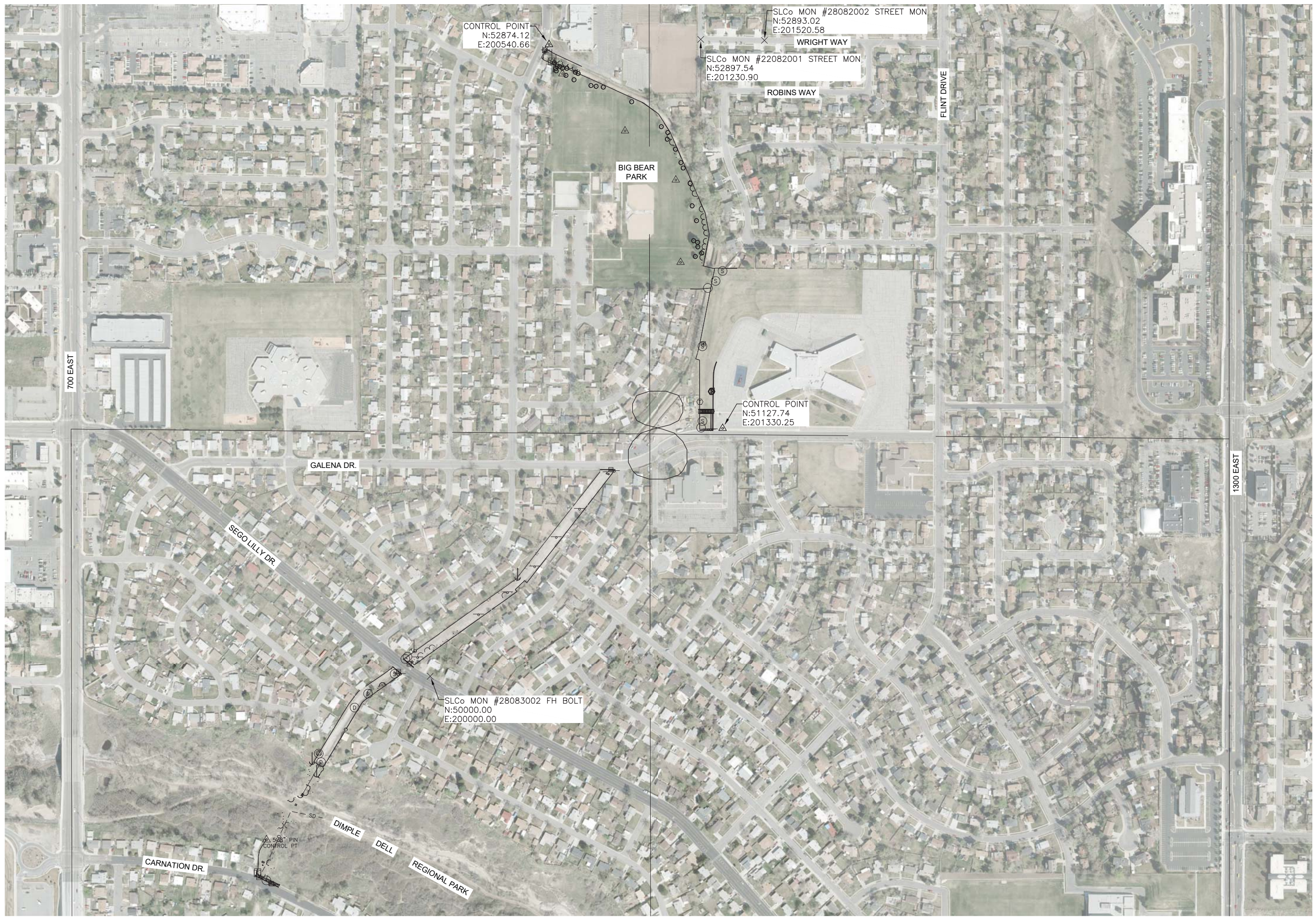
**WHITE CITY CANAL TRAIL**  
**SALT LAKE COUNTY UTAH**

**SYMBOL LEGEND - ABBREVIATIONS**

FILE: G-004  
 JUB PROJ. #: 55-15-107  
 DRAWN BY: TAG  
 DESIGN BY: GHG  
 CHECKED BY: GHG

LAST UPDATED: 3/1/2019  
**SHEET NUMBER:**  
**G-004**

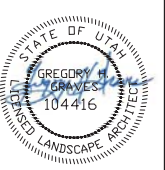
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 Date Created: 1/22/17, P:\PROJECTS\JUB\SALT LAKE COUNTY\55-15-107 WHITE CITY TRAIL CAD\SHEET CIVIL\55-15-107\_V101.DWG



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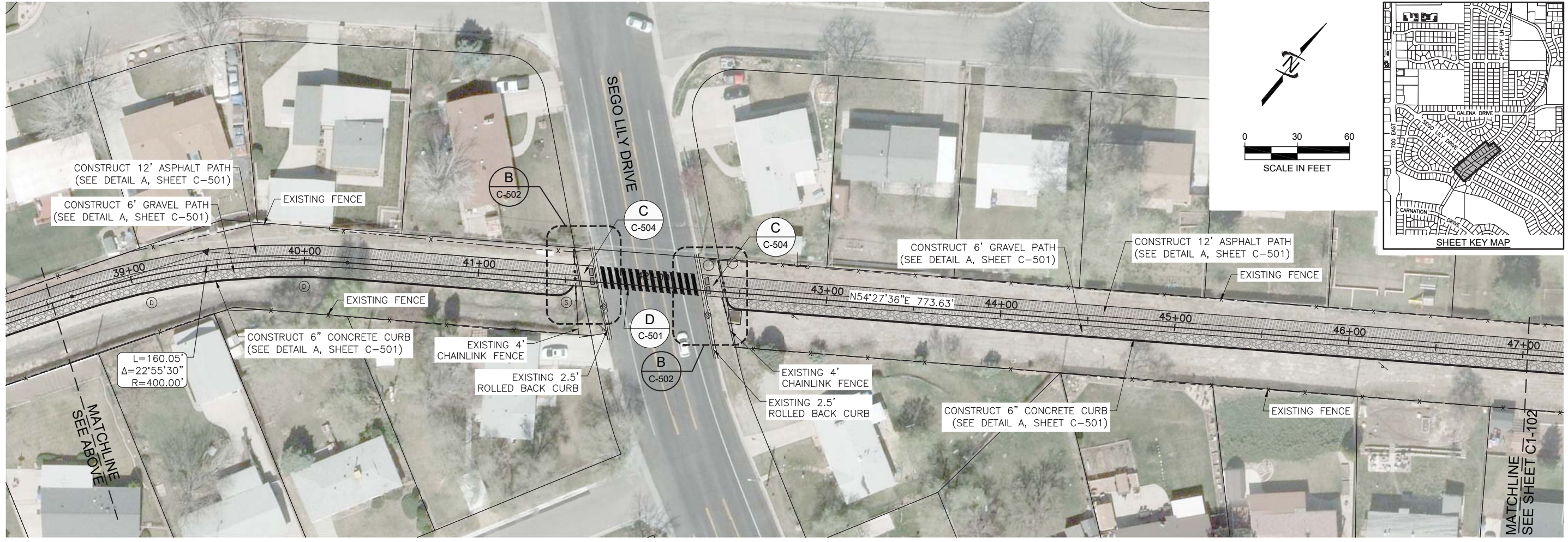
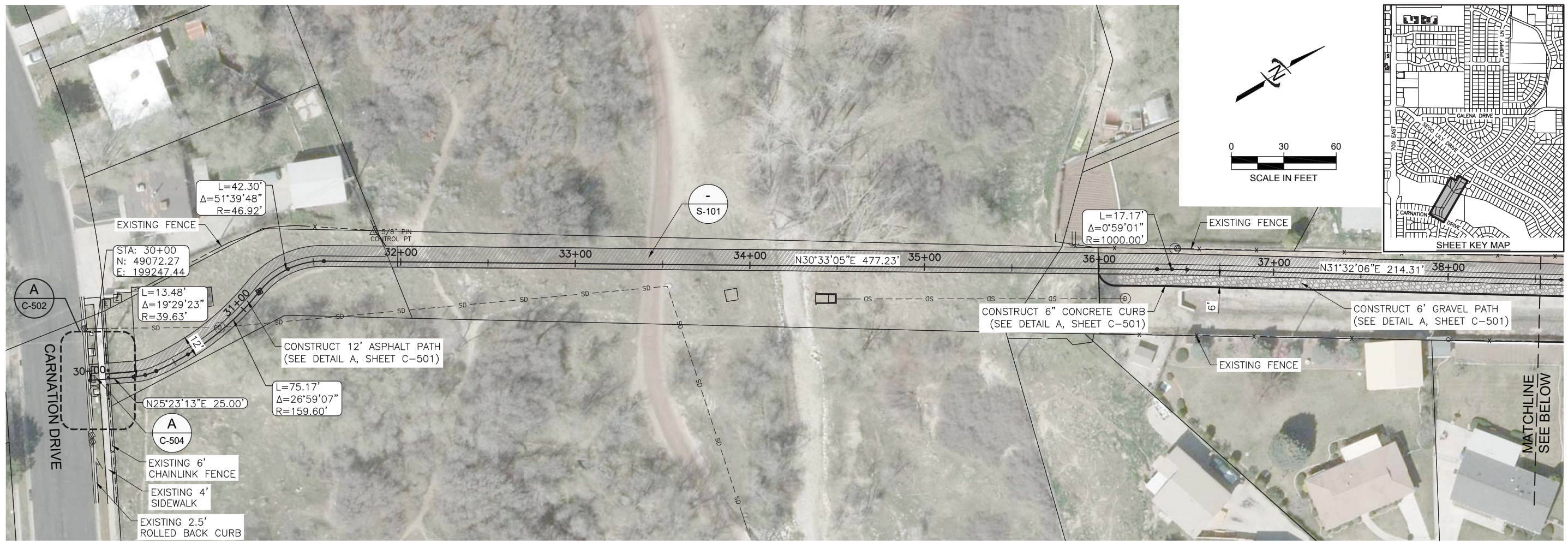


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WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 SURVEY CONTROL

FILE: 55-15-107\_V101  
 JUB PROJ. #: 55-15-107  
 DRAWN BY: TAG  
 DESIGN BY: GHG  
 CHECKED BY: GHG  
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**WHITE CITY CANAL TRAIL**  
**SALT LAKE COUNTY UTAH**

**SITE PLAN**  
 STATION 30+00 TO STATION 47+00

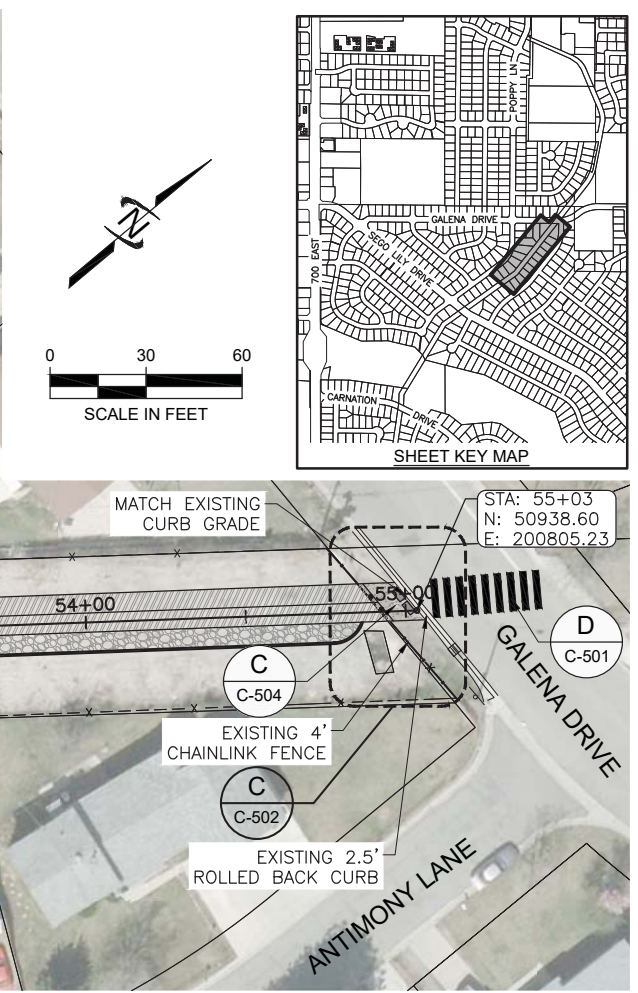
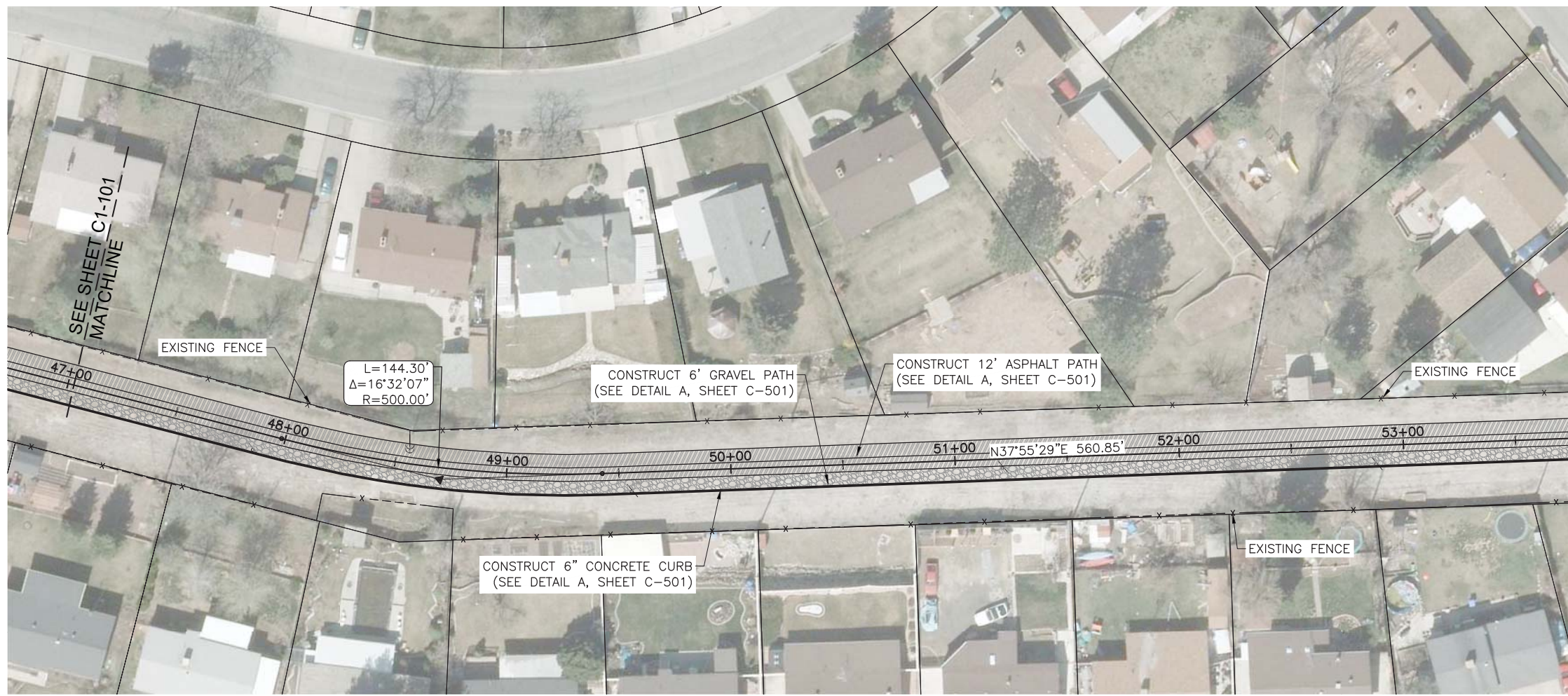
FILE: 55-15-107 C1-101X  
 JUB PROJ. #: 55-15-107  
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SHEET NUMBER:  
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Plot Date: 3/1/2019 1:26 PM, Plotted By: Greg Garver  
 Date Created: 2/1/2019, P:\PROJECTS\15107\WHITE CITY TRAIL CAD\SHEET\CIVIL\55-15-107\_C1-101.DWG

Plot Date: 03/15/2019 1:28 PM, Plotted By: Greg Garver  
 Date Created: 03/15/2019 1:28 PM, Project: JUB@SALT LAKE COUNTY:55-15-107 WHITE CITY TRAIL CAD SHEET CIVIL:55-15-107\_C1-102.DWG






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**WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH**

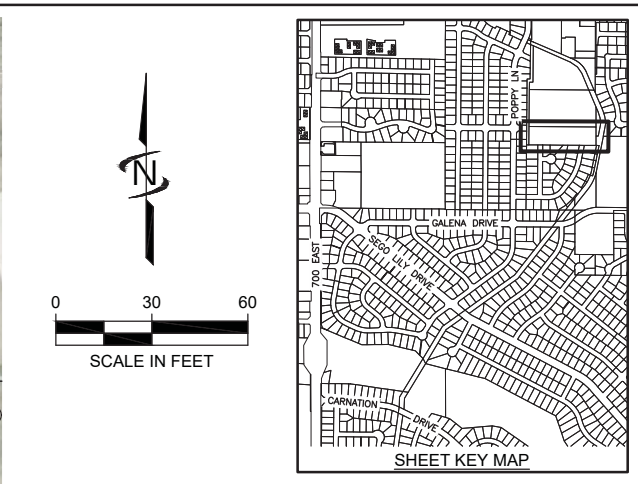
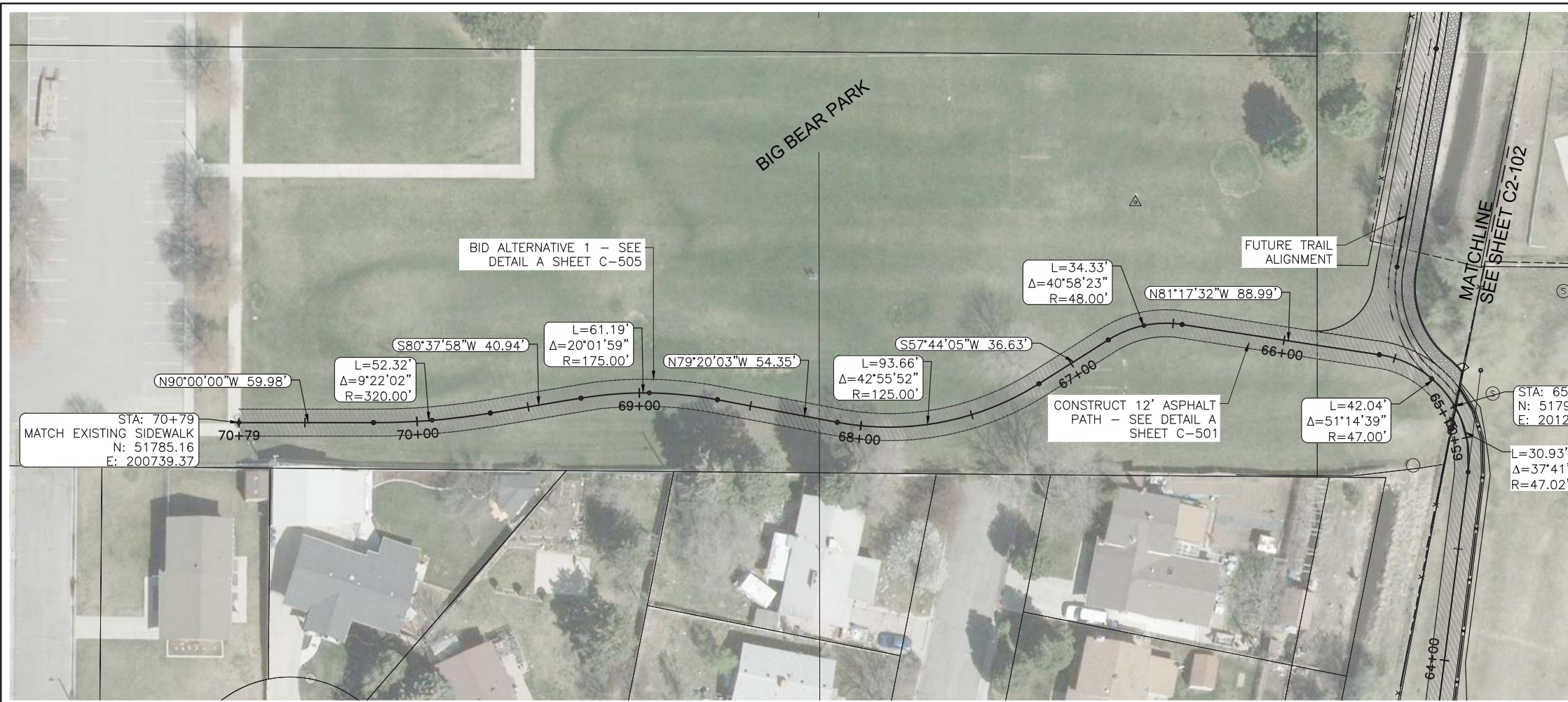
**SITE PLAN**

STA 47+00 TO STA 55+01 & STA 58+42 TO STA 65+21

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FILE: 55-15-107\_C1-101X  
 JUB PROJ. #: 55-15-107  
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 LAST UPDATED: 3/17/2019  
**SHEET NUMBER: C1-102**

Plot Date: 2/16/2019 1:28 PM, Plotted By: Greg Caravak  
 Date Created: 2/1/2019, P:\PROJECTS\JUB\SALT LAKE COUNTY\55-15-107\WHITE CITY TRAIL CAD\SHEET CIVIL\55-15-107\_C1-103.DWG



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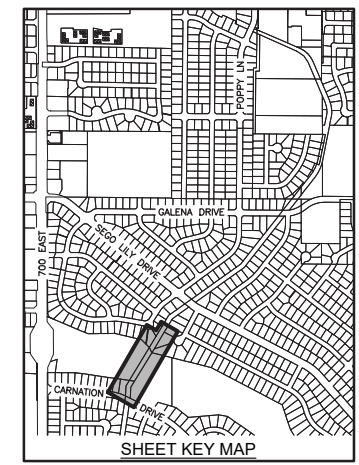
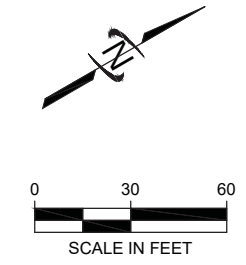
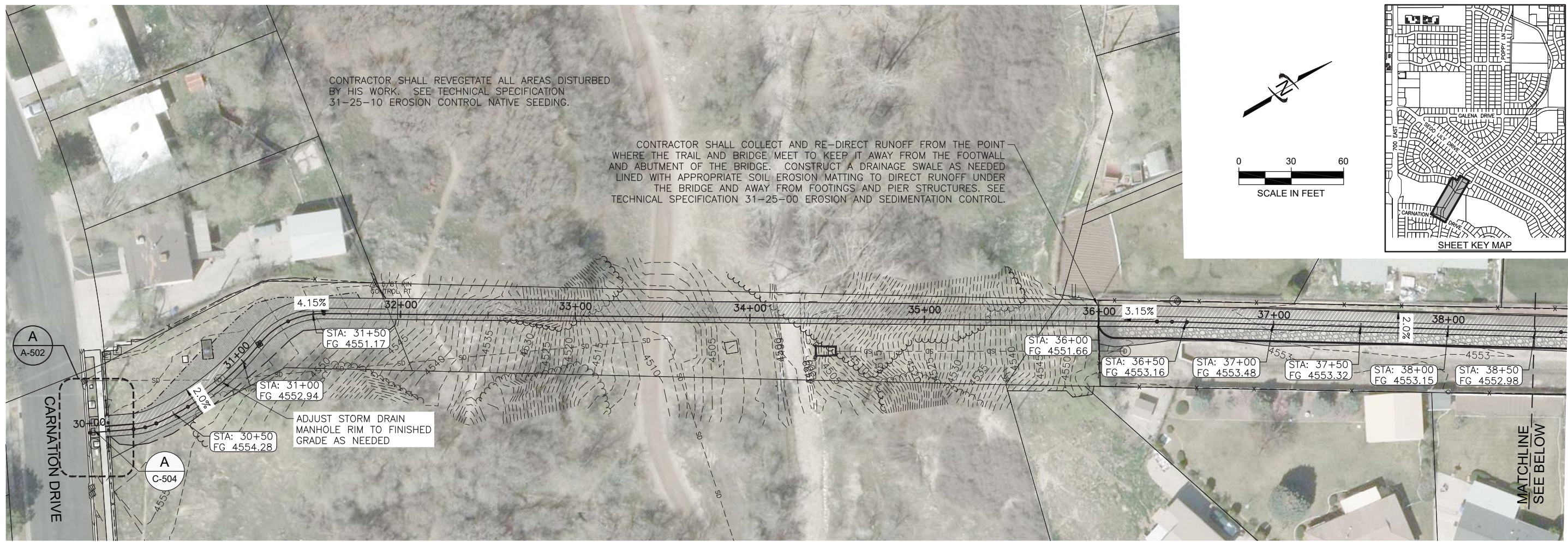
**WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH**

**SITE PLAN**

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 JUB PROJ. #: 55-15-107  
 DRAWN BY: TAG  
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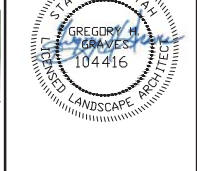
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SHEET NUMBER:  
**C1-103**



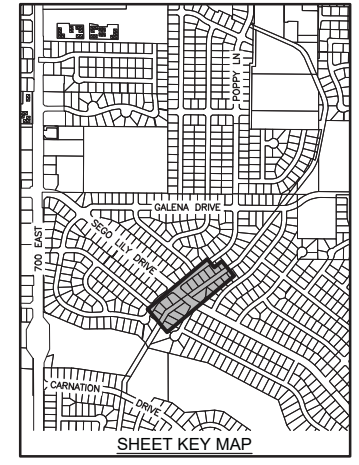
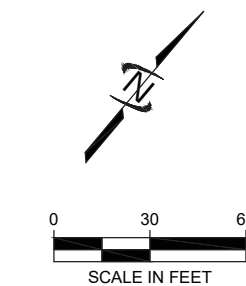
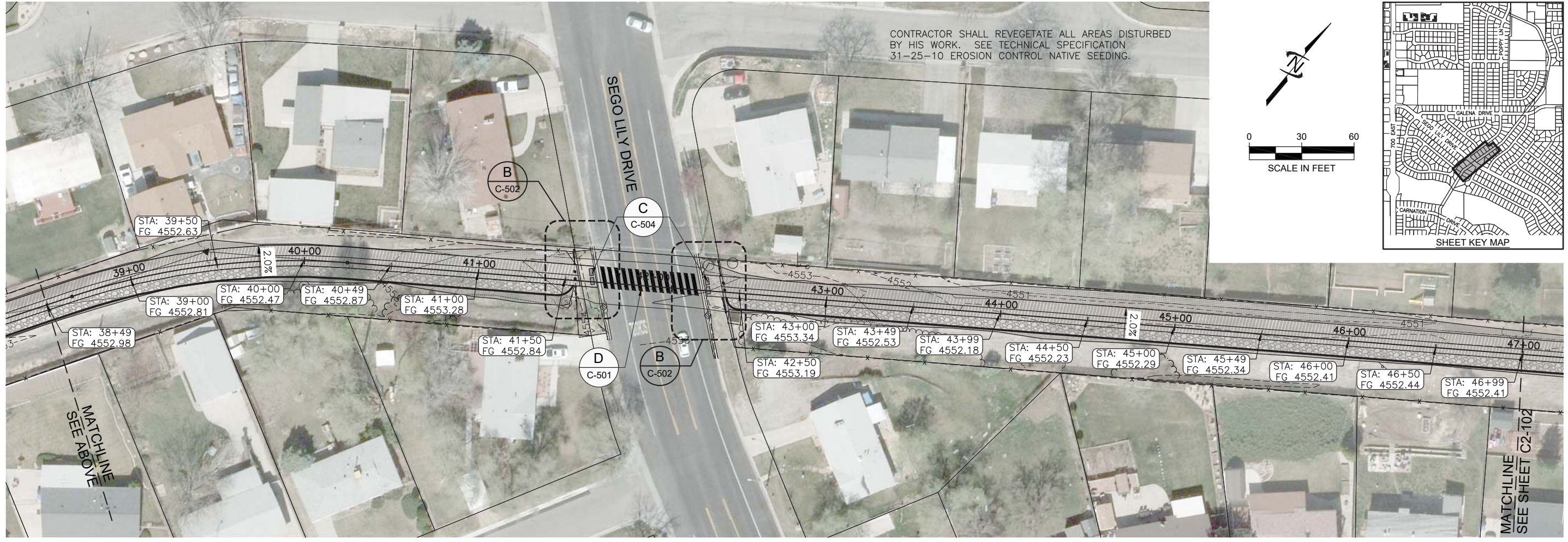
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**WHITE CITY CANAL TRAIL**  
**SALT LAKE COUNTY UTAH**

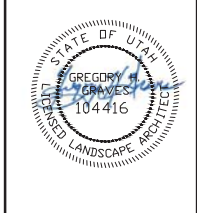
**GRADING PLAN**

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JUB PROJ. #: 55-15-107  
DRAWN BY: TAG  
DESIGN BY: GHG  
CHECKED BY: GHG

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LAST UPDATED: 3/6/2019

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**C2-101**

Plot Date: 3/6/2019 1:28 PM, Plotted By: Greg Garvens  
Date Created: 3/6/2019 P:\PROJECTS\JUB\SALT LAKE COUNTY\55-15-107 WHITE CITY TRAIL CAD\SHEET CIVIL\55-15-107\_C2-101X.DWG



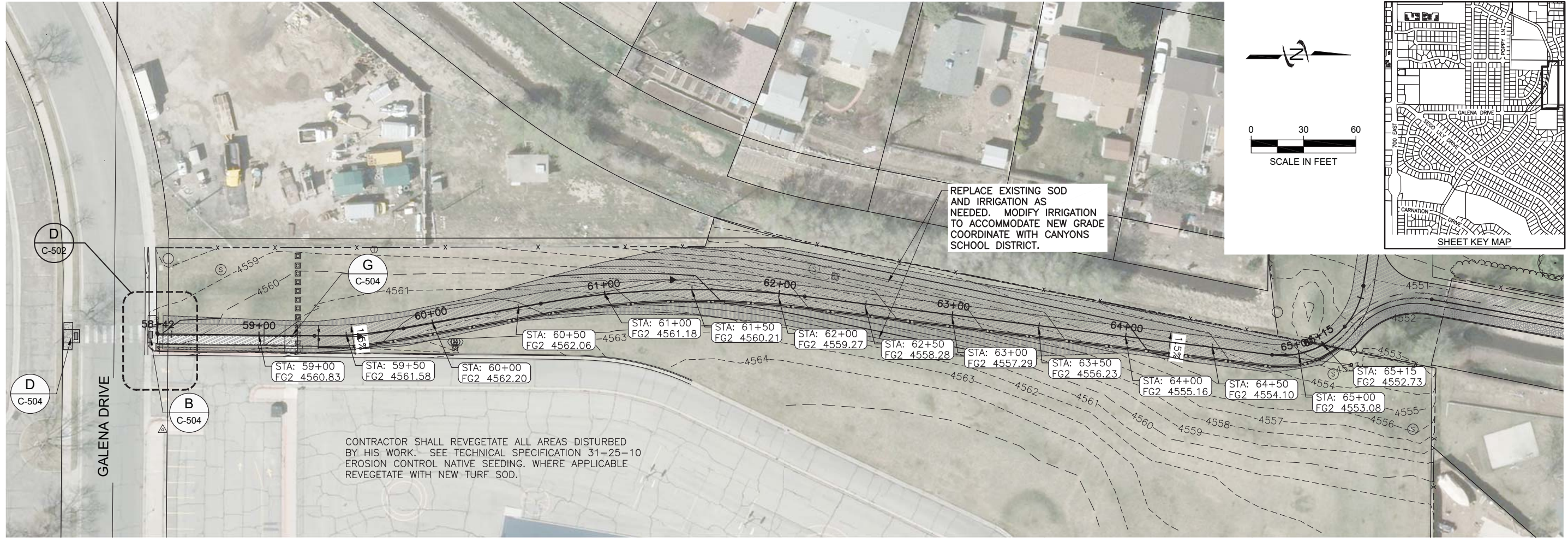
| NO. | REVISION | DESCRIPTION | BY | APPR. | DATE |
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|     |          |             |    |       |      |

WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH  
GRADING PLAN

FILE: 55-15-107-C2-101X  
JUB PROJ. #: 55-15-107  
DRAWN BY: TAG  
DESIGN BY: GHG  
CHECKED BY: GHG

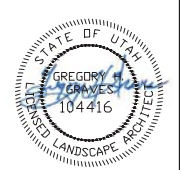
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LAST UPDATED: 3/6/2019

SHEET NUMBER:  
**C2-102**



Plot Date: 3/6/2019 1:28 PM, Plotted By: Greg Garver  
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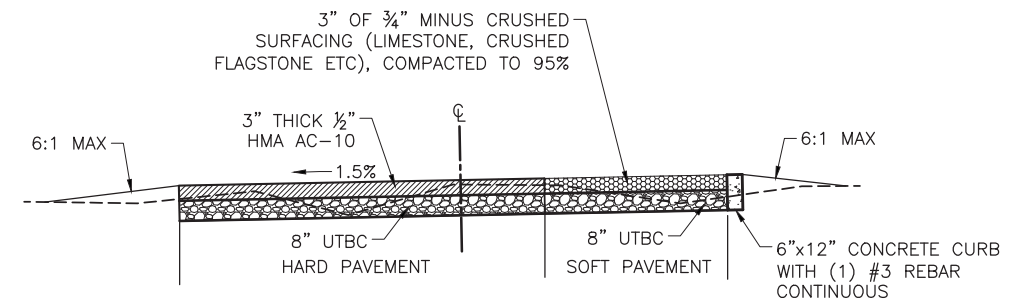


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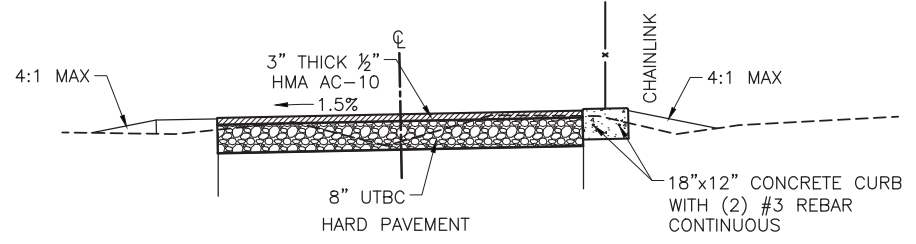
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**WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH**

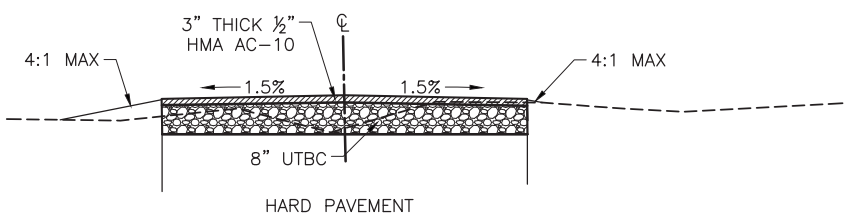
**SITE DETAILS**



**STATION 30+00 TO STATION 55+01**

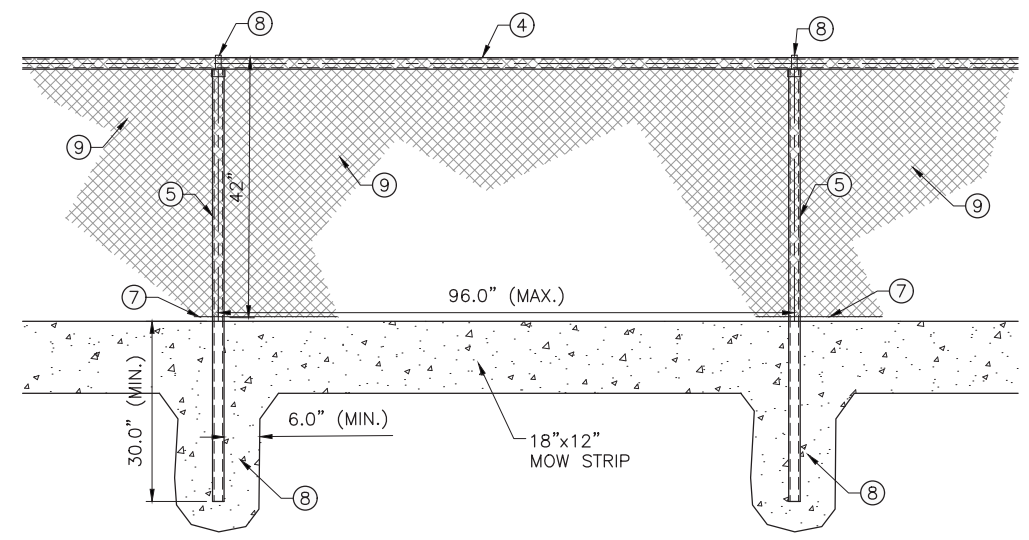


**STATION 58+42 TO STATION 65+15**



**STATION 65+15 TO STATION 70+79**

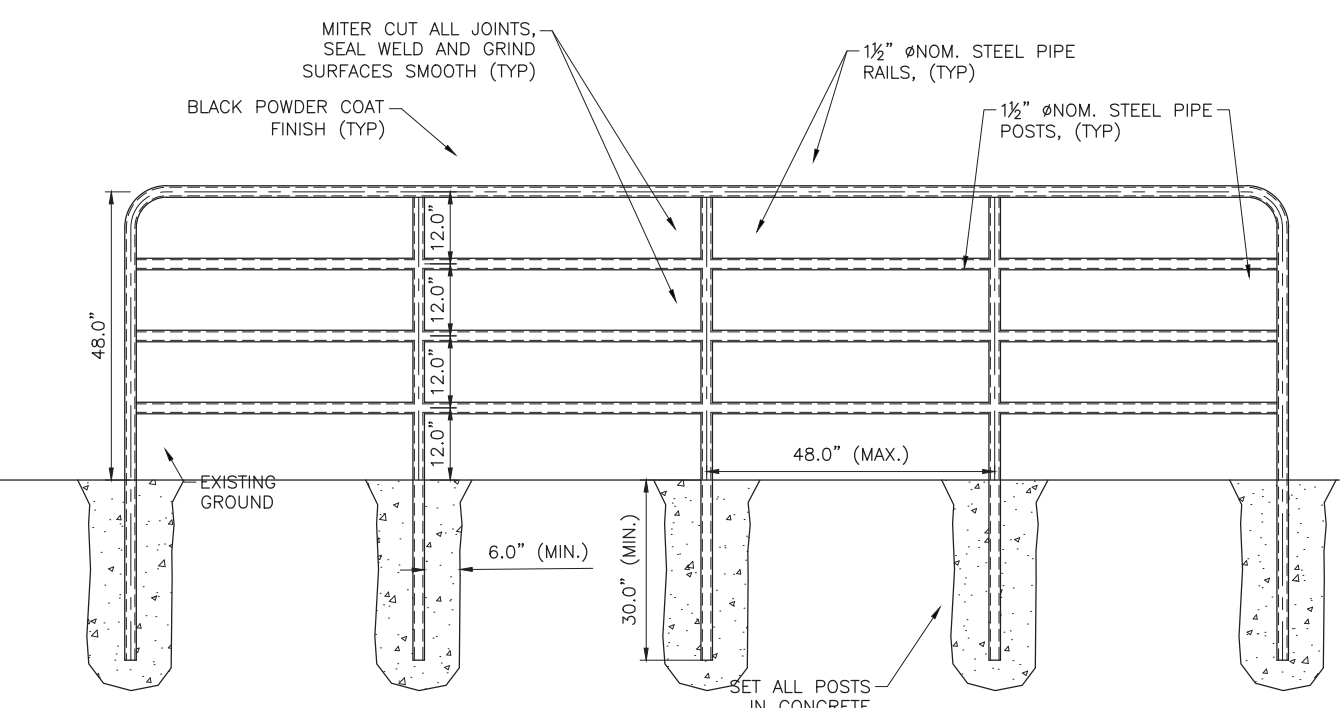
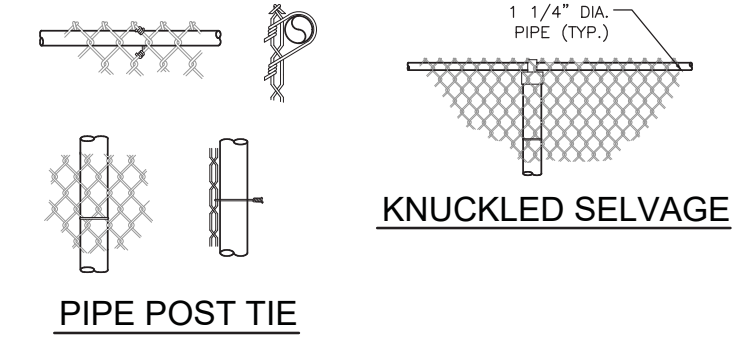
**A TYPICAL TRAIL CROSS SECTIONS**  
SCALE: N.T.S.



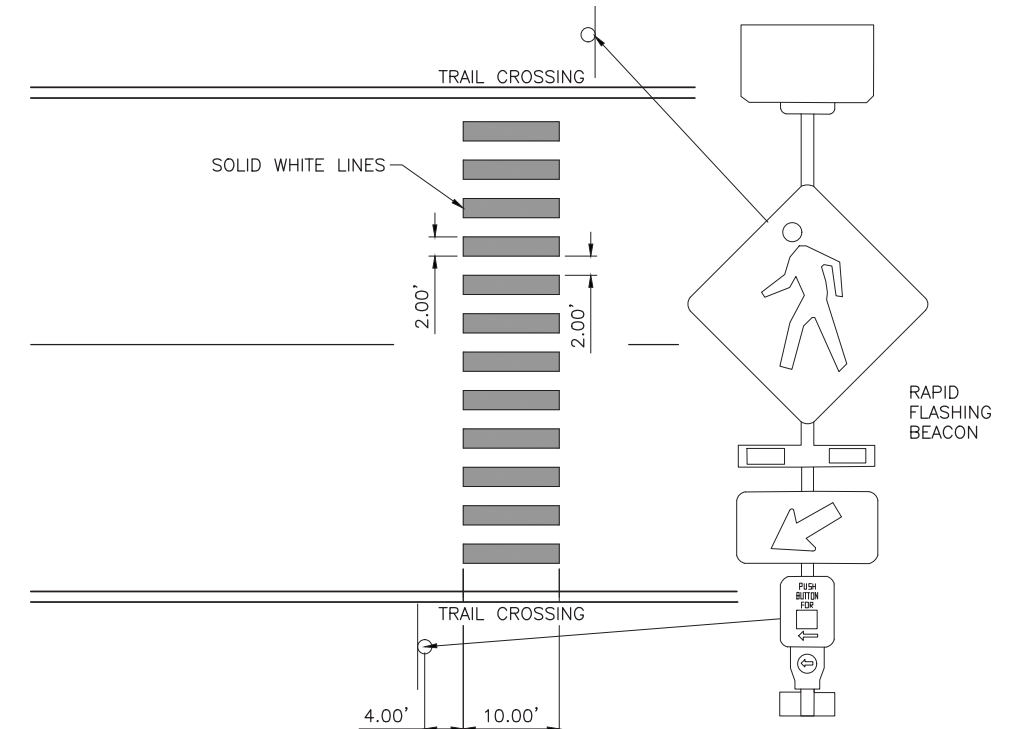
| HEIGHT OF FABRIC | DEPTH OF POSTS | LENGTH OF END, CORNER OR PULL POST | LENGTH OF LINE POST HOLES | SIZE OF POSTS             |              |                        |               |                     |              |                        |               |
|------------------|----------------|------------------------------------|---------------------------|---------------------------|--------------|------------------------|---------------|---------------------|--------------|------------------------|---------------|
|                  |                |                                    |                           | END, CORNER, & PULL POSTS |              |                        |               | LINE POST MIN. SIZE |              |                        |               |
|                  |                |                                    |                           | NOM. SIZE                 | OUTSIDE DIA. | PIPE WEIGHT ASTM A-120 | TRIPLE COATED | NOM. SIZE           | OUTSIDE DIA. | PIPE WEIGHT ASTM A-120 | TRIPLE COATED |
| 42"              | 30"            | 6'                                 | 6'                        | 2"                        | 2.375"       | 3.65                   | 3.11          | 1 1/2"              | 1.900"       | 2.72                   | 2.23          |

**C TYPICAL CHAIN LINK FENCE**  
SCALE: N.T.S.

- NOTES:
- MATERIALS, CONSTRUCTION, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH PROJECT STANDARD SPECIFICATIONS.
  - THE TYPE OF TOP SUPPORT IS SPECIFIED IN THE BIDDING SCHEDULE, TYPES I AND II TUBULAR RAIL, TYPES III AND IV TENSION WIRE.
  - KNUCKLED SELVAGE ON TOP AND TWISTED AND BARBED ON BOTTOM SHALL BE USED ON FENCES LESS THAN 5- FEET.
  - ALL STEEL PIPE MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION A 120 SCHEDULE 40 HOT DIPPED ZINC COATED HIGH TENSILE STEEL PIPE OR TRIPLE COATED PIPE MADE FROM STEEL CONFORMING TO ASTM 569.
  - POSTS SHALL BE STEEL SCHEDULE 40 PIPE OR TRIPLE COATED HIGH TENSILE STEEL PIPE OF THE SIZE SHOWN IN THE CHART. WEIGHT IN POUNDS PER FOOT WITH A TOLERANCE OF 5%.
  - LINE POSTS SHALL BE LOCATED AT EQUAL SPACING FOR EACH SEGMENT WITH A MAXIMUM SPACING AS FOLLOWS:  
(A) TANGENT SECTIONS TO 500-FOOT RADIUS NOT MORE THAN 8- FEET.  
(B) UNDER 500-FOOT RADIUS TO 200-FOOT RADIUS NOT MORE THAN 8- FEET.  
(C) UNDER 200-FOOT RADIUS TO 100-FOOT RADIUS NOT MORE THAN 6- FEET.  
(D) UNDER 100-FOOT RADIUS NOT MORE THAN 5- FEET.
  - TENSION WIRE SHALL BE 7 GAUGE ZINC- OR ALUMINUM-COATED COIL SPRING STEEL TENSION WIRE.
  - ALL POSTS SHALL BE SET IN CONCRETE AND SHALL BE TOPPED WITH BALL TYPE OR OTHER APPROVED ORNAMENT.
  - ALL FABRIC SHALL BE 2" GALVANIZED 9 GAUGE MESH.



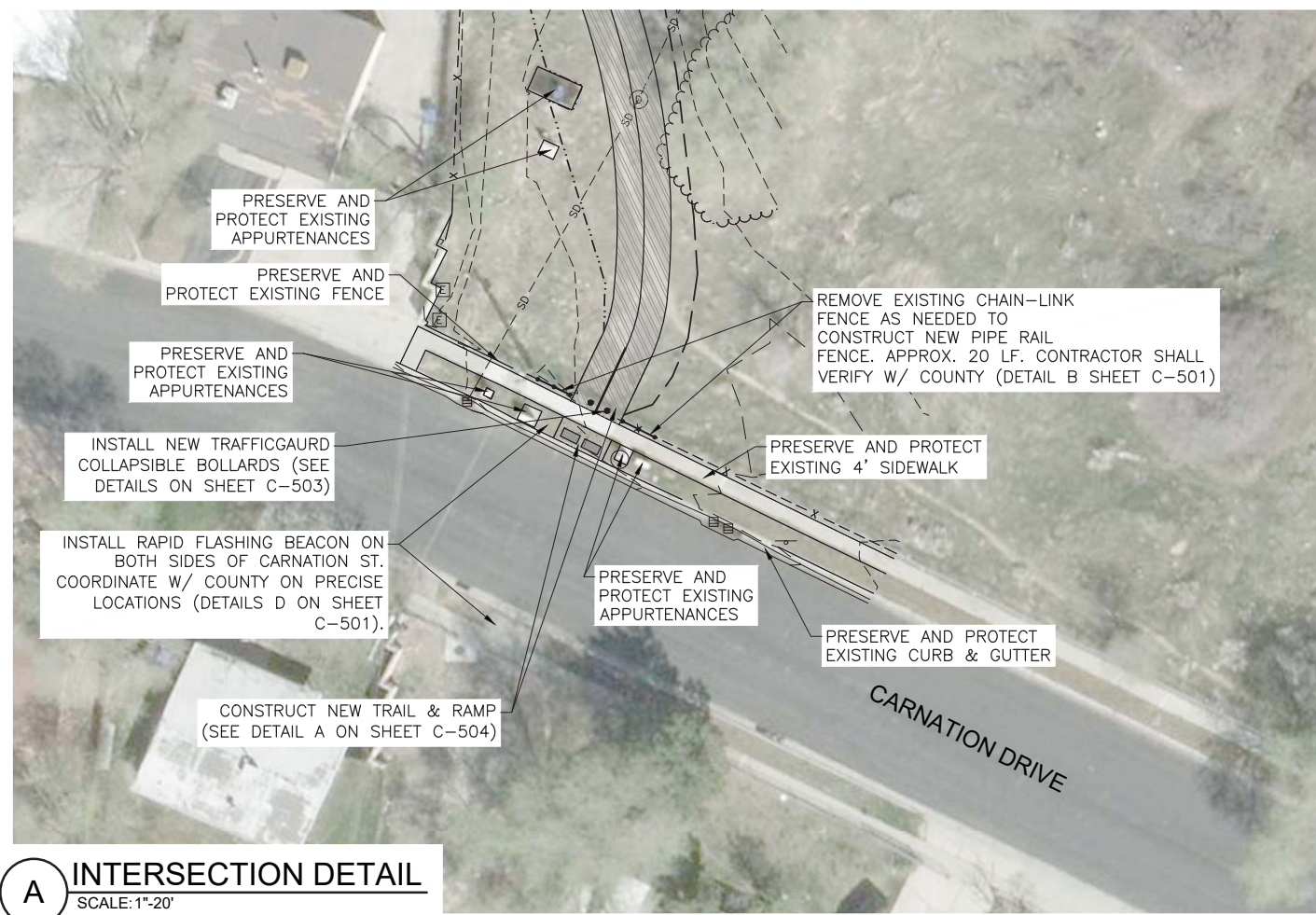
**B TYPICAL PIPE RAIL FENCE**  
SCALE: N.T.S.



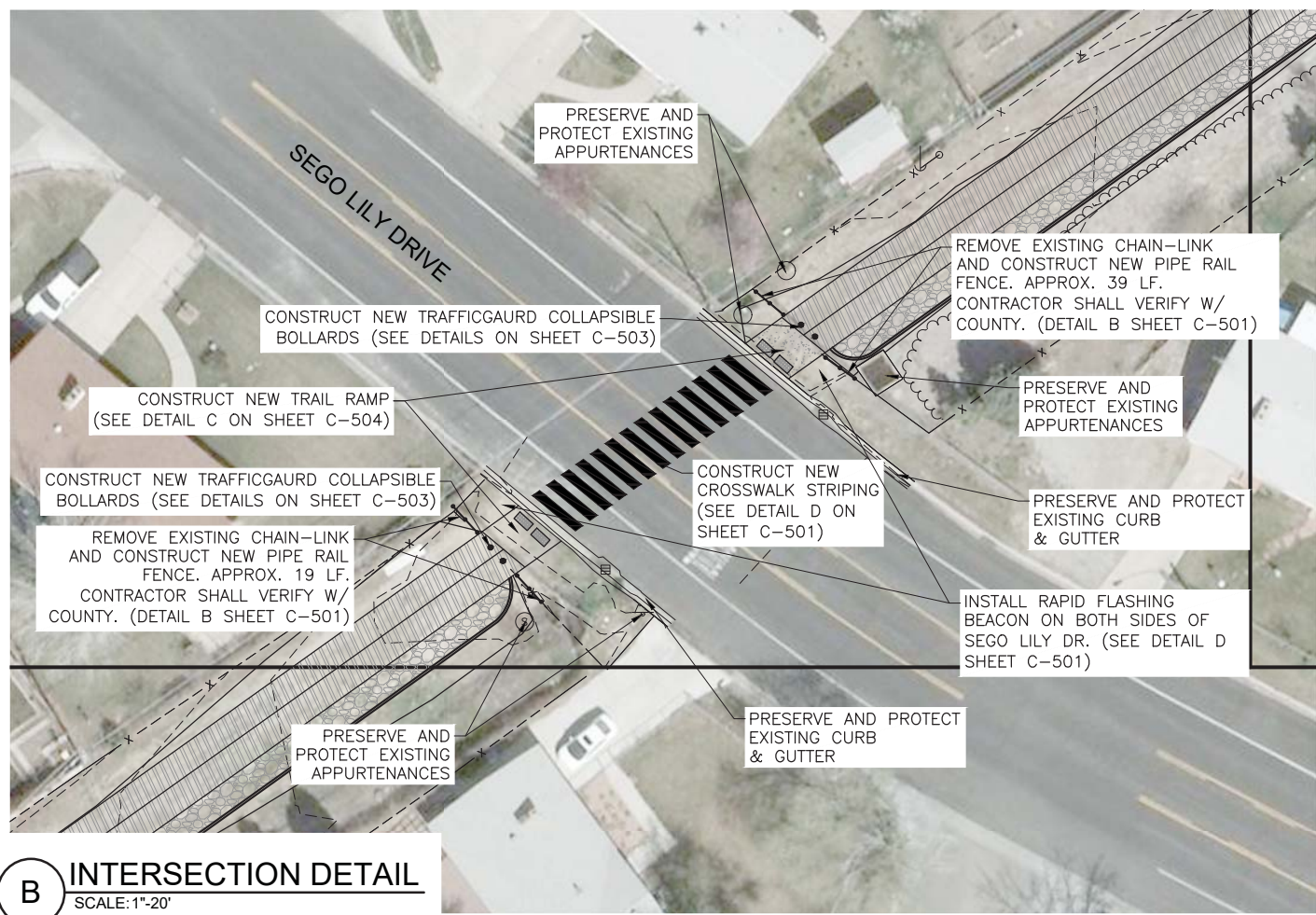
**D TYPICAL ROAD STRIPING**  
SCALE: N.T.S.

- NOTES:
- CONTRACTOR FURNISHED AND INSTALLED TAPCO OR APPROVED EQUAL RECTANGULAR RAPID FLASHING BEACON (RRFB) MODEL RRFB-XL2, DOUBLE SIDED, SOLAR POWERED, YELLOW WITH YELLOW XAV2-LED PUSH BUTTON STATION. 15' SIGNAL TRAFFIC POLE. TWO PEDESTRIAN CROSSING SIGNS & ARROWS PER BEACON (ONE ON EACH SIDE). POLE AND ANCHOR BOLTS FURNISHED BY THE CONTRACTOR. COORDINATE ACTUAL LOCATION WITH CITY ENGINEER AND OWNER PRIOR TO INSTALLATION TO ACCOMMODATE ADA RAMPS. PUSH BUTTON SIGN REQUIRED AT EACH RRFB. MEET FHWA INTERIM APPROVAL REQUIREMENTS FOR RECTANGULAR RAPID FLASHING BEACON.
  - INSTALLATION SHALL BE PER MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.
  - COORDINATE ALL TRAFFIC CONTROL ISSUES WITH SALT LAKE COUNTY IN REGARDS TO CONSTRUCTION OF SIGNALS AND ROAD STRIPING ISSUES.

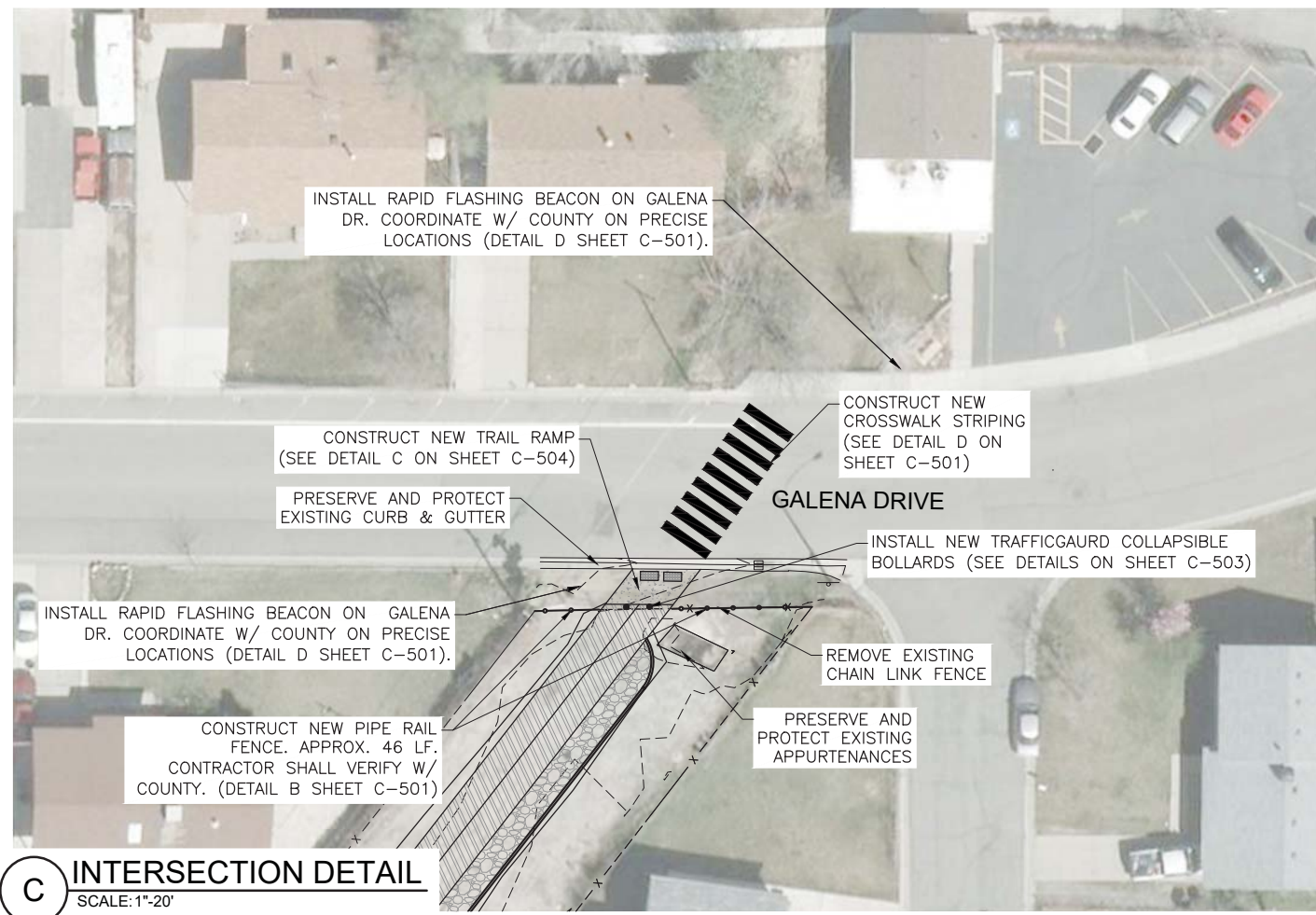
Plot Date: 5/6/2019 1:30 PM, Plotted By: Greg Graves  
 Date Created: 2/28/2019, P: PROJECT: 55-15-107 SALT LAKE COUNTY: 55-15-107 WHITE CITY TRAIL CAD: SHEET: CIVIL: 55-15-107\_C-501X.DWG



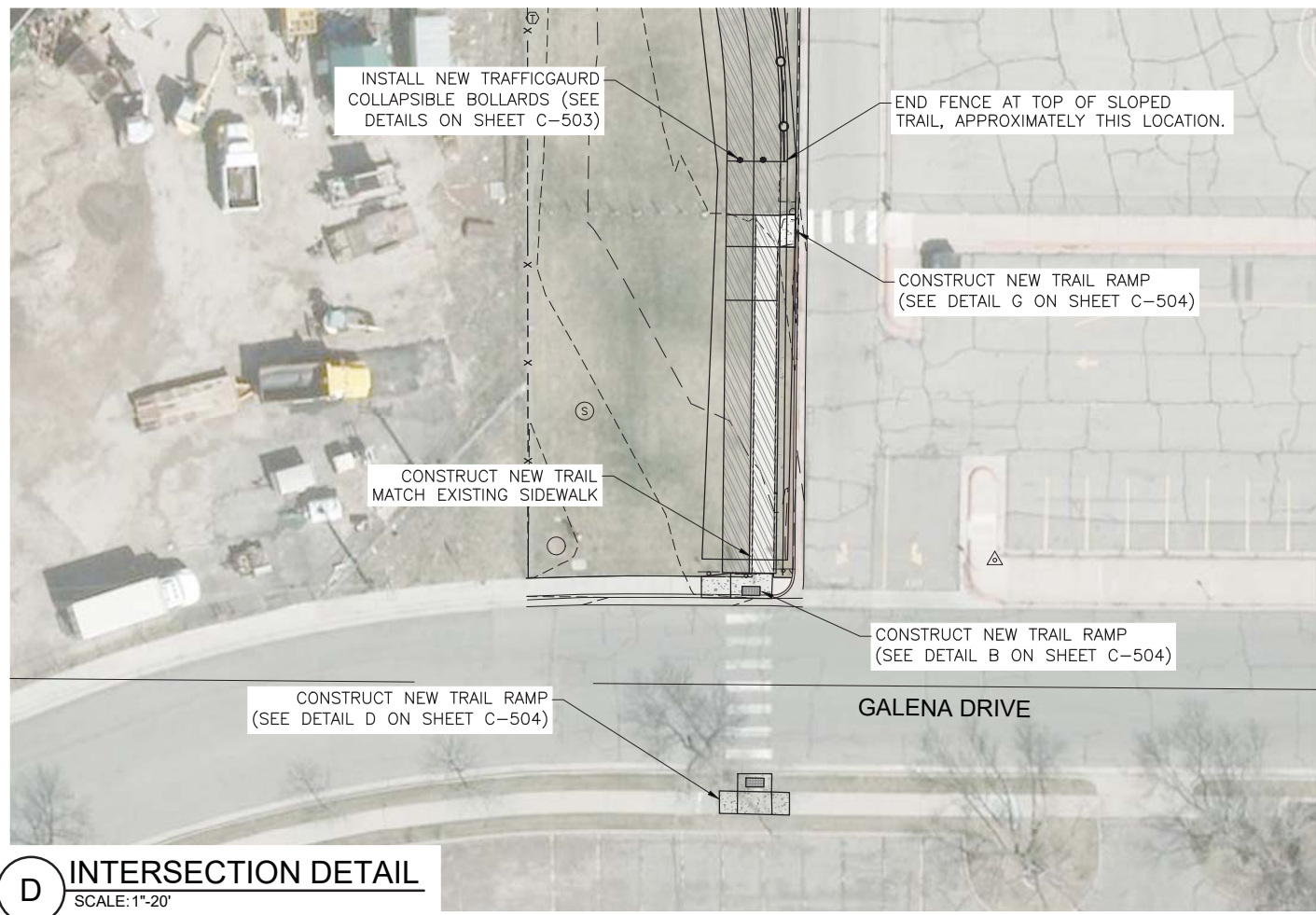
**A INTERSECTION DETAIL**  
SCALE: 1"=20'



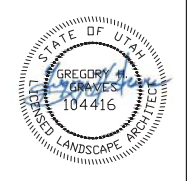
**B INTERSECTION DETAIL**  
SCALE: 1"=20'



**C INTERSECTION DETAIL**  
SCALE: 1"=20'



**D INTERSECTION DETAIL**  
SCALE: 1"=20'

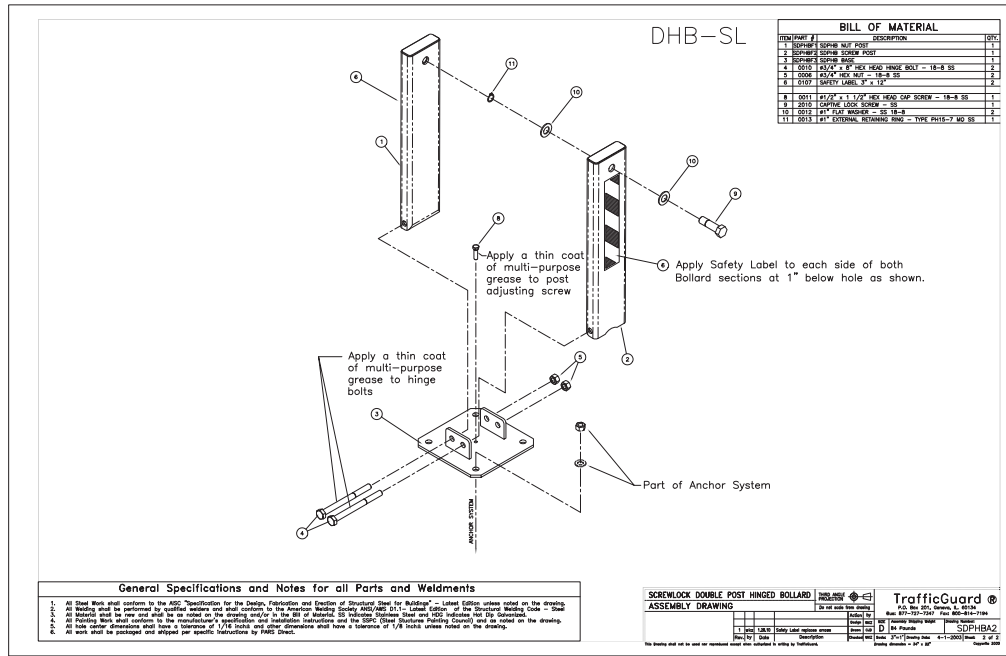


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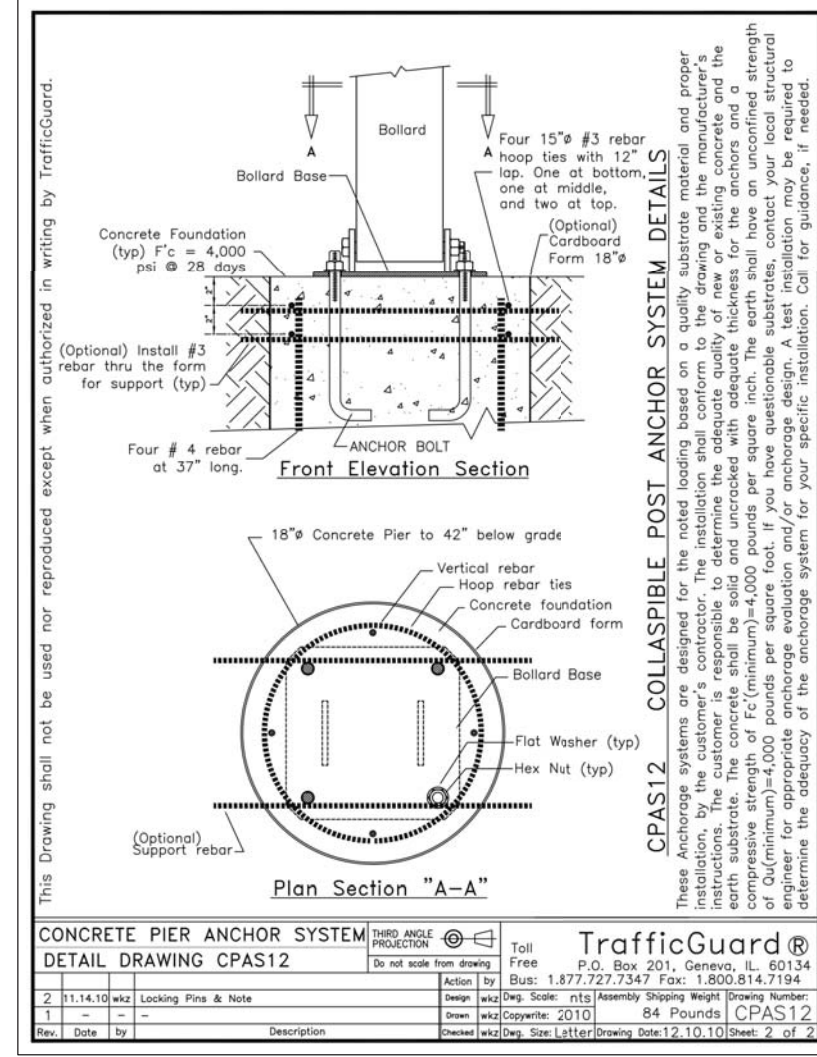
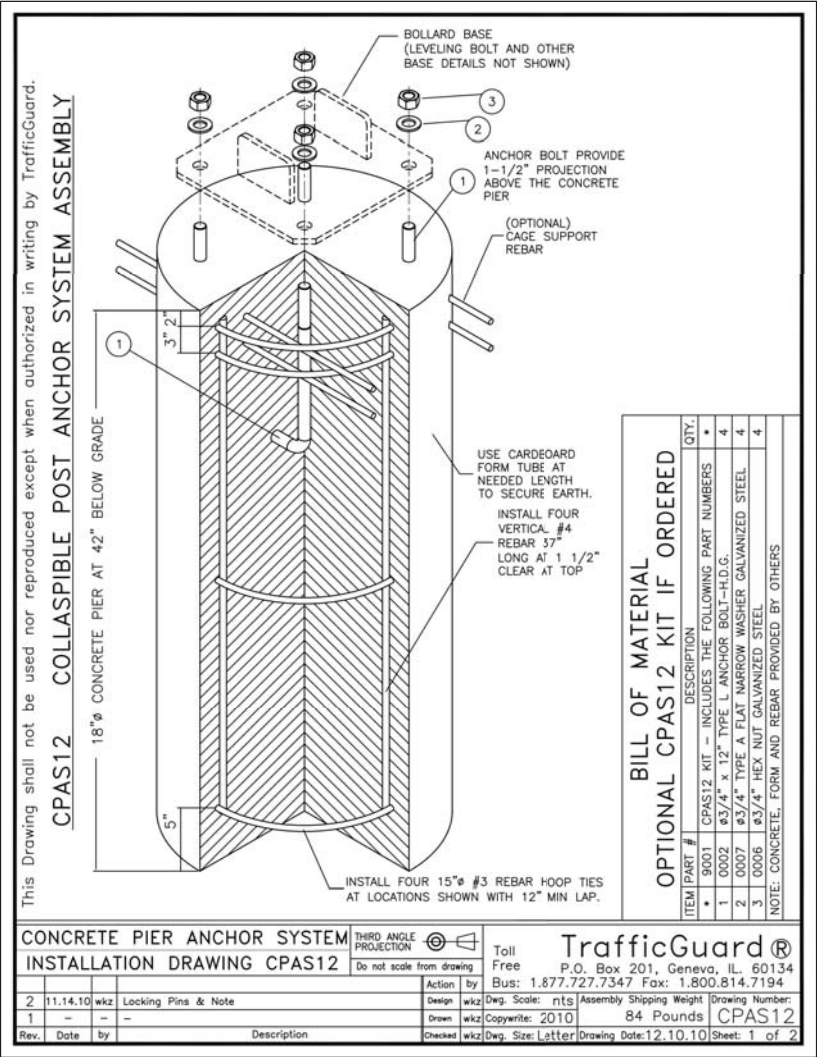
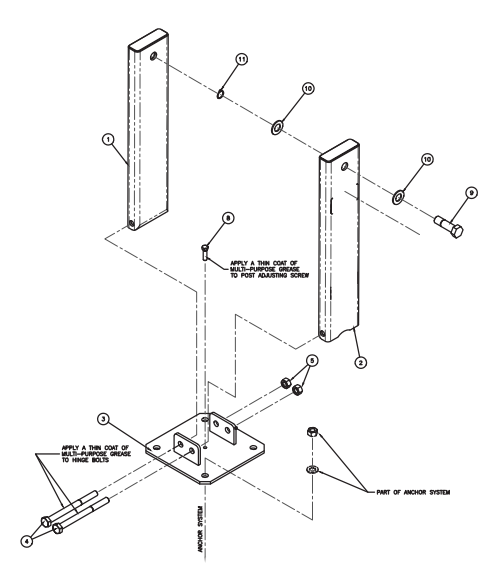
| NO. | REVISION | DESCRIPTION | BY | APPR. | DATE |
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WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH  
INTERSECTION DETAILS

Plot Date: 3/16/2019 1:30 PM, Plotted By: Greg Graves  
 Date Created: 2/28/2019 P:\PROJECTS\JUB\SALT LAKE COUNTY\55-15-107 WHITE CITY TRAIL CAD\SHEET CIVIL\55-15-107\_C-501X.DWG



- INSTALLATION INSTRUCTIONS FOR:  
**SCREWLOCK DOUBLE POST HINGED BOLLARD (DHB-SL)**
- Verify that all Screwlock Double Post Hinged Bollard parts are in the shipment package as shown on the "Bill of Material".
  - Provide Screwlock Double Post Hinged Bollard Anchor System (see included Anchor System Drawing-BAS) of your choice at a location to suit your specific needs.
  - Install SDPHB Base (Item 3) true and level on your selected Anchor System using the flat washers and hex nuts included in your Anchor System Kit. Use S.S. shims to level if needed. Torque hex nuts to Minimum 100 ft-lbs for Anchor Systems CPAS and ESAS. Torque hex nuts for other Anchor Systems to Manufacturers Specification.
  - Install SDPHB Screw Post and SDPHB Nut Post (Item 1&2) to SDPHB Base (Item 3) using Hinge Bolts (Item 4) and Hex Nuts (Item 5) as shown. Tack Weld Hex Nuts to Hinge Bolts or Chisel Hinge Bolt Threads such that Hex Nuts cannot be easily removed.
  - Install Captive Lock Screw (Item 9) thru UP Position SDPHB Screw Post (Item 2), with Washers (Item 10) and Retaining Ring (Item 11) positioned as shown.
  - With Bollard Posts (Items 1&2) in the UP Position, Use a Standard Fire Hydrant Wrench or 1-1/2" Hex Head Wrench to tighten snug Captive Lock Screw (Item 9) into SDPHB Nut Post (Item 1).
  - Install the four Labels at the locations shown.
  - Check the functional operation of the Hinged Bollard Posts.
- \* Note: S.S. shims, tools, grease, and padlocks are not provided.



**JUB**  
 J-U-B ENGINEERS, INC.

466 North 900 West  
 Kaysville, Utah 84037

Phone: 801.547.0393  
 Fax: 801.547.0397  
 www.jub.com

**BID SET**

STATE OF UTAH  
 GREGORY J. GREGORY  
 104416  
 UTAH LANDSCAPE ARCHITECT

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|-----|-------------|----|-------|------|
|     |             |    |       |      |

WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH

COLLAPSIBLE BOLLARD DETAILS

FILE: 55-15-107\_C-503X  
 JUB PROJ. #: 55-15-107  
 DRAWN BY: TAG  
 DESIGN BY: GHG  
 CHECKED BY: GHG

ONE INCH  
 AT FULL SIZE, IF NOT ONE  
 INCH, SCALE ACCORDINGLY

LAST UPDATED: 3/1/2019

SHEET NUMBER:  
**C-503**

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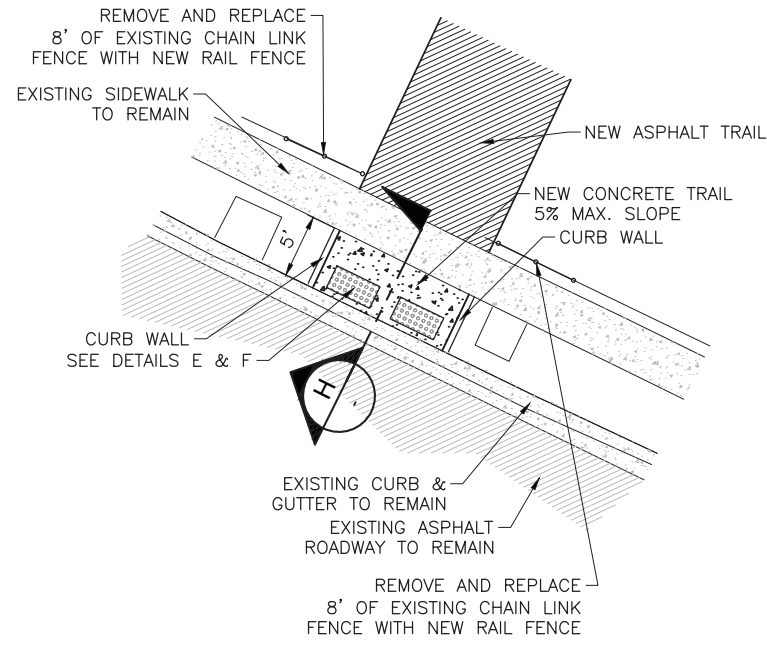
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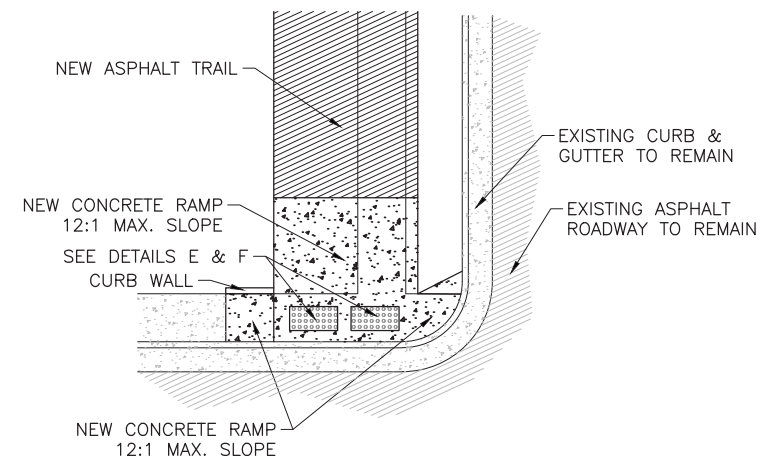
WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 RAMP DETAILS

FILE: 55-15-107 C-504X  
 JUB PROJ. #: 55-15-107  
 DRAWN BY: TAG  
 DESIGN BY: GHG  
 CHECKED BY: GHG  
 AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY  
 LAST UPDATED: 9/17/2019

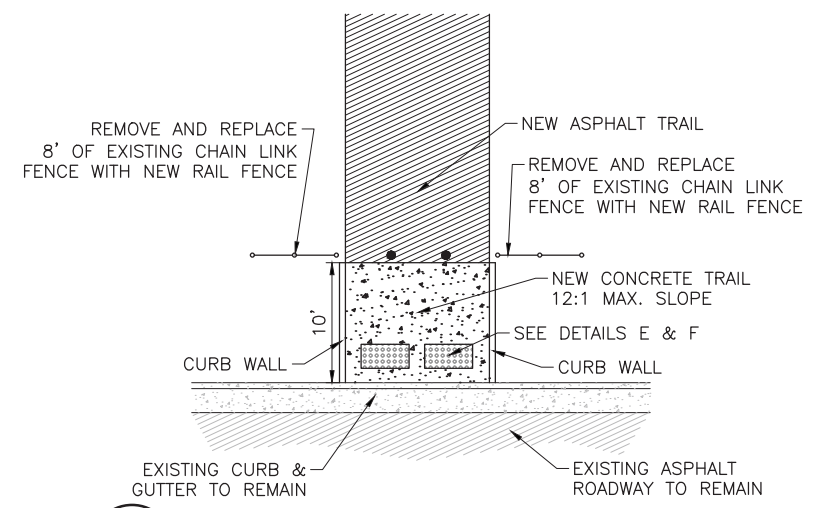
SHEET NUMBER:  
**C-504**



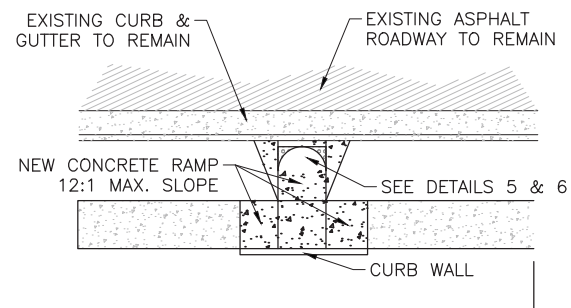
**A ROAD CROSSING DETAIL**  
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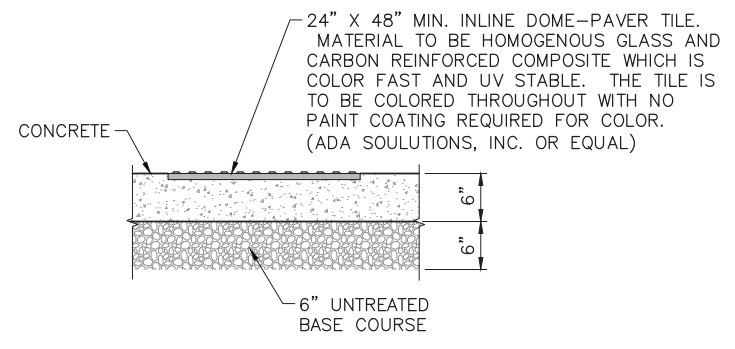
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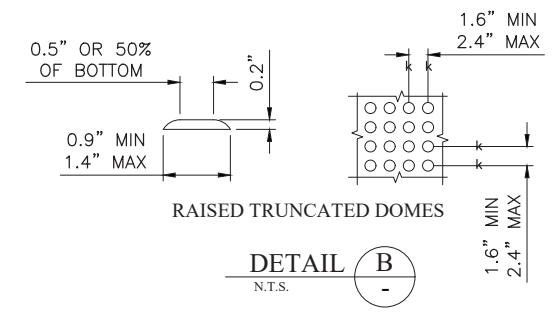
**C ROAD CROSSING DETAIL**  
 SCALE:N.T.S.



**D ROAD CROSSING DETAIL**  
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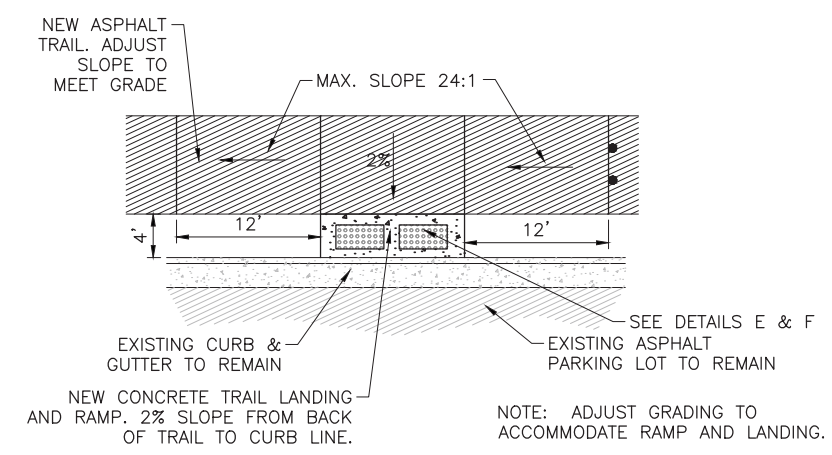


**E TRUNCATED DOME PAVERS**  
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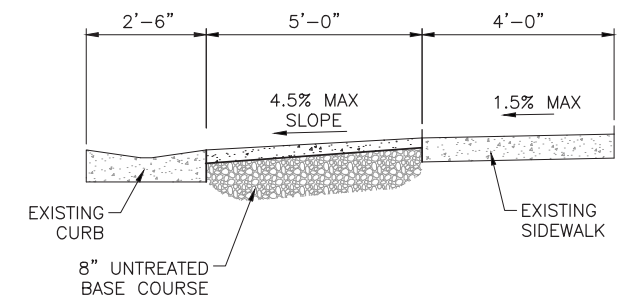


**F RAISED TRUNCATED DOMES**  
 SCALE:N.T.S.

- NOTES:
1. LOCATE RAISED TRUNCATED DOMES SO THAT THE EDGE NEAREST THE CURB LINE IS WITHIN 6 TO 8 INCHES FROM THE CURB LINE. PROVIDE 2-FOOT OF TRUNCATED DOME PATTERN AT THE LOWER END OF ALL CURB RAMPS EXTENDING THE FULL WIDTH OF THE CURB RAMP.
  2. CHANGES IN ELEVATION GREATER THAN 1/4\"/>

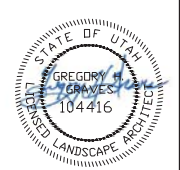


**G ROAD CROSSING DETAIL**  
 SCALE:N.T.S.



**H ROAD CROSSING SECTION**  
 SCALE:N.T.S.

Plot Date: 9/16/2019 1:30 PM, Plotted By: Greg Garavito  
 Date Created: 2/28/2019, F:\PROJECTS\15@SALT LAKE COUNTY\55-15-107 WHITE CITY TRAIL CAD\SHEET C-504\55-15-107\_C-504X.DWG



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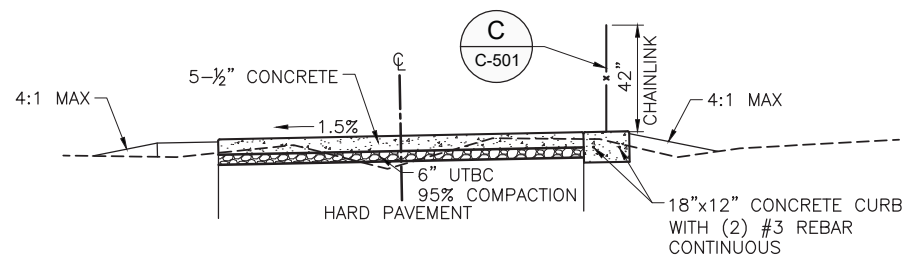
| NO. | REVISION | DESCRIPTION | BY | APPR. | DATE |
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WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 TRAIL CROSS SECTIONS - BID ALTERNATIVE 1

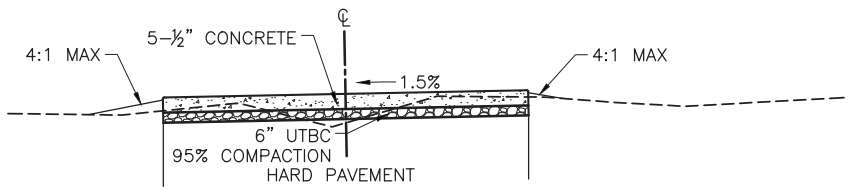
FILE: 55-15-107 C-501X  
 JUB PROJ. #: 55-15-107  
 DRAWN BY: TAG  
 DESIGN BY: GHG  
 CHECKED BY: GHG

ONE INCH  
 AT FULL SIZE, IF NOT ONE  
 INCH, SCALE ACCORDINGLY  
 LAST UPDATED: 3/17/2019

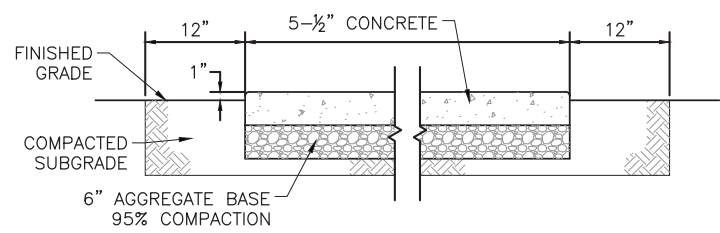
SHEET NUMBER:  
**C-505**



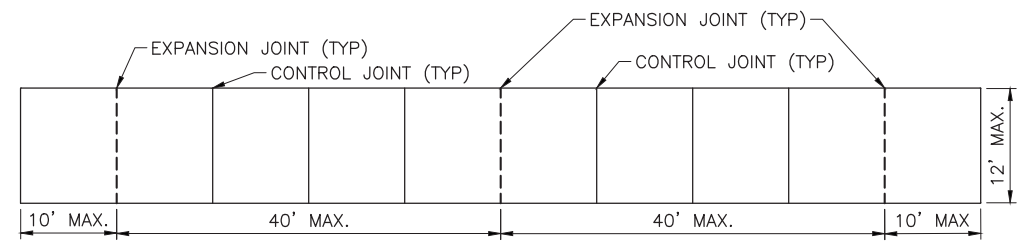
**STATION 58+42 TO STATION 65+15**



**STATION 65+15 TO STATION 70+79**



**SALT LAKE COUNTY SIDEWALK DETAIL**



EXPANSION JOINT: Make expansion joints vertical, full depth, 1/2 inch wide with joint filler material. Set top of filler flush with surface of concrete.

CONTRACTION JOINT: Make contraction joints vertical, at least 1/8 inch wide and 2 inches deep or 1/4 slab thickness if slab is greater than 8 inches thick.

**CONCRETE JOINT SPACING DETAIL**

**A TYPICAL TRAIL CROSS SECTIONS - BID ALTERNATIVE 1**  
 SCALE: N.T.S.

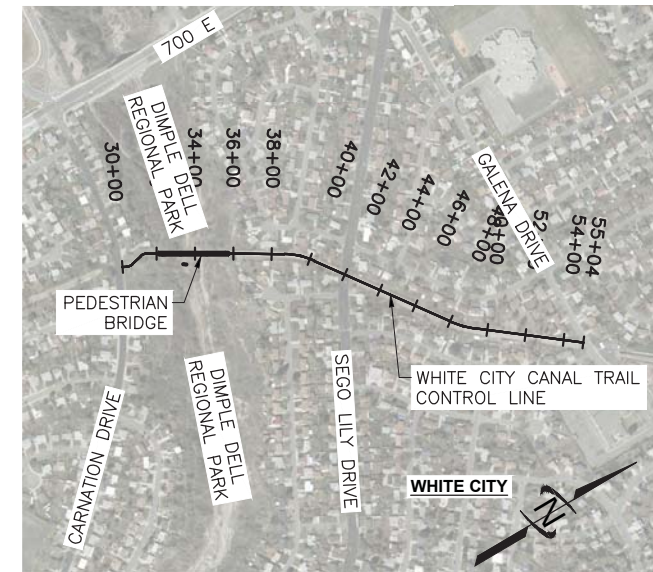
| NO. | REVISION      | DESCRIPTION | DATE    |
|-----|---------------|-------------|---------|
| 1   | PERMIT REVIEW |             | BY APR. |

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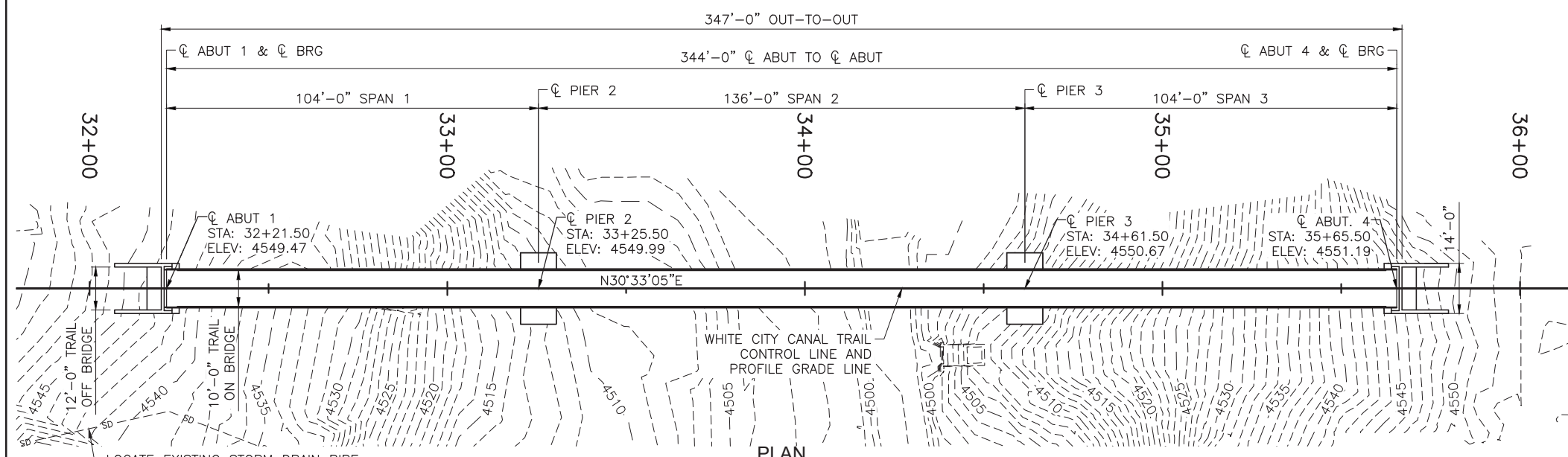
WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH  
PEDESTRIAN BRIDGE  
SITUATION AND LAYOUT 1 OF 2

|   |
|---|
| FILE: 55-15-107_S-101                           |
| JUB PROJ. #: 55-15-107                          |
| DRAWN BY: JPL                                   |
| DESIGN BY: SER                                  |
| CHECKED BY: AWB                                 |
| AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY |
| LAST UPDATED: 7/10/2019                         |

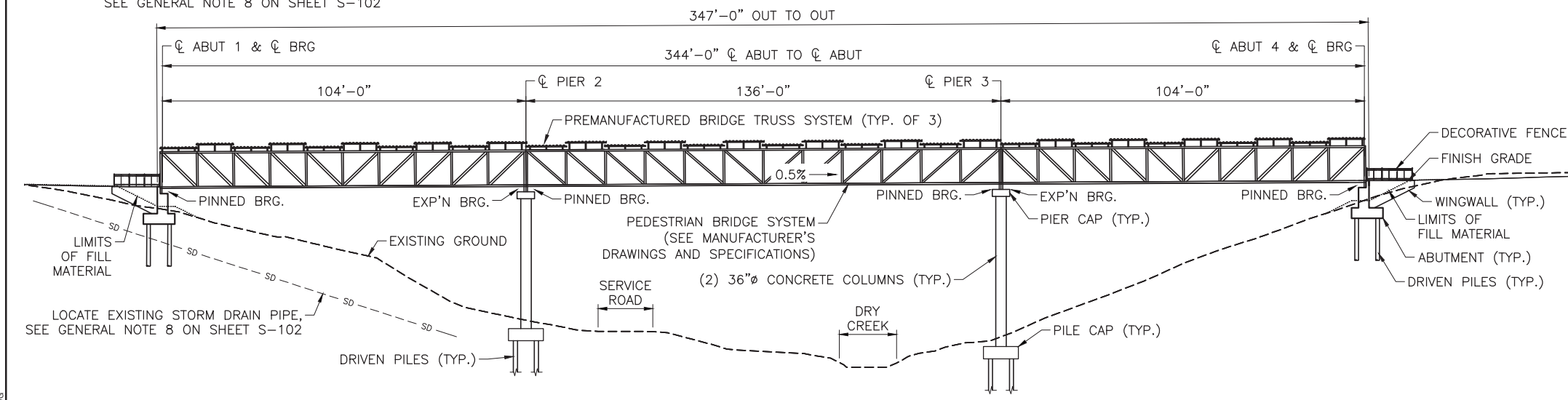
SHEET NUMBER:  
**S-101**



LOCATION PLAN



PLAN



ELEVATION

MEASURED ALONG WHITE CITY CANAL TRAIL CONTROL LINE

**GENERAL NOTES**

SEE "SITUATION AND LAYOUT 2 OF 2" FOR GENERAL NOTES.

**DESIGN DATA**

PEDESTRIAN LIVE LOAD IN ACCORDANCE WITH AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES.  
SEISMIC DESIGN IN ACCORDANCE WITH AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN.

CAST-IN-PLACE CONCRETE:  $f'_c = 4.0$  KSI  $n = 8$  CLASS AA(AE)  $f_y(\text{REINF}) = 60$  KSI (UNLESS OTHERWISE NOTED)

STRUCTURAL STEEL: AASHTO M 270  
 $F_y = 50$  KSI (GRADE 50W) UNLESS NOTED OTHERWISE  
 $F_y = 36$  KSI (GRADE 36) DECORATIVE FENCE

UNIFORM TEMPERATURE LOAD: MAIN SPAN (136') WILL ACCOUNT FOR LONGITUDINAL FORCES DUE TO UNIFORM TEMPERATURE CHANGE BETWEEN TWO PINNED BEARINGS AS SHOWN IN TABLE BELOW.  
TEMPERATURE REFERS TO TEMPERATURE OF THE STEEL, NOT AMBIENT TEMPERATURE. LINEAR INTERPOLATION IS ALLOWED.

| TEMPERATURE AT CONSTRUCTION (°F) | FORCES APPLIED TO TRUSS (KIPS) |             |
|----------------------------------|--------------------------------|-------------|
|                                  | TENSION                        | COMPRESSION |
| 40                               | 12.86                          | 14.70       |
| 60                               | 16.53                          | 11.02       |
| 80                               | 20.21                          | 7.35        |

SEISMIC CRITERIA: 7% PROBABILITY OF EXCEEDANCE IN 75-YR DESIGN EVENT  
 $PGA = 0.402g$   $S_S = 0.934g$   $S_1 = 0.350g$   
 $A_s = 0.441g$   $S_{DS} = 1.052G$   $S_{D1} = 0.595g$   
SITE CLASS D, SDC D

| Sheet Number | Sheet Title                     |
|--------------|---------------------------------|
| S-101        | SITUATION AND LAYOUT 1 OF 2     |
| S-101A       | SPECIAL INSPECTIONS             |
| S-102        | SITUATION AND LAYOUT 2 OF 2     |
| S-103        | BORING LOGS 1 OF 3              |
| S-104        | BORING LOGS 2 OF 3              |
| S-105        | BORING LOGS 3 OF 3              |
| S-106        | FOUNDATION PLAN                 |
| S-107        | DRILLED PILE DETAILS            |
| S-108        | ABUTMENT AND WINGWALL LAYOUT    |
| S-109        | ABUTMENT DETAILS                |
| S-110        | WINGWALL DETAILS                |
| S-111        | PIER LAYOUT                     |
| S-112        | PIER PILE CAP DETAILS           |
| S-113        | PIER CAP AND COLUMN DETAILS     |
| S-114        | BEARING LAYOUT AND DETAILS      |
| S-115        | DECORATIVE FENCE DETAILS 1 OF 2 |
| S-116        | DECORATIVE FENCE DETAILS 2 OF 2 |

| ITEM   | EST QTY | UNIT | AS CONST |
|--|---------|------|----------|
| MOBILIZATION                                   | 1       | LUMP |          |
| DRIVEN PILES 12.75 INCH X 0.500 INCH           | 301     | LF   |          |
| DRIVEN PILES HP 14 X 117                       | 705     | LF   |          |
| 42 INCH DECORATIVE FENCE                       | 58      | LF   |          |
| REINFORCING STEEL - COATED (PLAN QUANTITY)     | 29,600  | LB   |          |
| STRUCTURAL CONCRETE (EST. LUMP QTY: 170 CU YD) | 1       | LUMP |          |
| PREFABRICATED STEEL TRUSS BRIDGE               | 1       | LUMP |          |
| GALVANIZED METAL ROOF (ADDITIVE ALTERNATE 2)   | 1       | LUMP |          |

Plot Date: 7/11/2019 8:49 AM Plotted By: Adam Lambert  
 Date Created: 7/10/2019 \LOGAN\PUBLIC\PROJECTS\JUB\ KAYSVILLE OFFICE\5-107 WHITE CITY CANAL\CAD\SHEET\STRUCTURAL\95-15-107 S-101.DWG

| SPECIAL INSPECTIONS.   |   |                  |
|--|---|------------------|
| SPECIAL INSPECTIONS PER IBC CHAPTER 17 ARE REQUIRED FOR THE FOLLOWING ITEMS: |   |                  |
| C INDICATES CONTINUOUS, P INDICATES PERIODIC.                                |   |                  |
| A.   | SOILS.  | FREQUENCY        |
| A1   | SITE PREPARATION:   | P                |
| A2   | FILL MATERIAL VERIFICATION:   | C                |
| A3   | FILL PLACEMENT AND COMPACTION:  | C                |
| A4   | LIFT THICKNESS:   | C                |
| B.   | PILES. BY GEOTECHNICAL ENGINEER.  |                  |
| B1   | PILE MATERIAL, SIZE, AND LENGTH VERIFICATION:   | P                |
| B2   | DETERMINE CAPACITIES OF TEST ELEMENTS AND CONDUCT ADDITIONAL LOAD TEST, AS REQUIRED: TESTING PER UDOT STD SPEC SECTION 02455  | C                |
| B3   | INSPECT DRIVING OPERATIONS:   | C                |
| B4   | VERIFY PLACEMENT LOCATIONS AND PLUMBNESS, CONFIRM TYPE AND SIZE OF HAMMER, RECORD NUMBER OF BLOWS PER FOOT OF PENETRATION, DETERMINE REQUIRED PENETRATION TO ACHIEVE DESIGN CAPACITY, RECORD TIP AND BUTT ELEVATIONS AND DOCUMENT ANY DAMAGE TO FOUNDATION ELEMENT: | C                |
| C.   | CONCRETE.   |                  |
| C1   | REINFORCEMENT PLACEMENT:  | P                |
| C2   | REINFORCING WELDING:  | SEE STEEL REQ'S. |
| C3   | PLACEMENT OF CAST-IN-PLACE ANCHORS:   | P                |
| C4   | VERIFICATION OF USE OF REQUIRED MIX:  | P                |
| C5   | CONCRETE PLACEMENT:   | C                |
| C6   | VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUE:   | P                |
| C7   | VERIFICATION OF IN-SITU CONCRETE PRIOR TO REMOVAL OF FORMS AND SHORES FROM ELEVATED BEAMS AND SLABS:  | P                |
| C8   | INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED:  | P                |
| C9   | PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TEST, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE IN ACCORDANCE WITH PROJECT SPECIFICATIONS:   | C                |
| D.   | STRUCTURAL STEEL.   |                  |
| D1   | FABRICATION OF STRUCTURAL ELEMENTS:   | P                |
| D2   | MATERIAL VERIFICATION OF STRUCTURAL STEEL:  | P                |
| D3   | MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS:   | P                |
| D4   | MATERIAL VERIFICATION OF ANCHOR BOLTS & THREADED RODS:  | P                |
| D5   | MATERIAL VERIFICATION OF WELD FILLER MATERIALS:   | P                |
| D6   | VERIFY USE OF PROPER WPS'S:   | P                |
| D7   | COMPLETE AND PARTIAL PENETRATION GROOVE WELDS:  | C                |
| D8   | MULTI-PASS FILLET WELDS:  | C                |
| D9   | SINGLE-PASS FILLET WELDS GREATER THAN 5/16":  | C                |
| D10  | SINGLE-PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16":   | P                |
| D11  | INSTALLATION OF COMPOSITE SLAB DECKING:   | P                |
| D12  | INSTALLATION OF ROOF DECKING:   | P                |
| D13  | WELDING STAIR AND RAILING SYSTEMS:  | P                |
| D14  | SNUG-TIGHT HIGH STRENGTH BOLT INSTALLATION:   | P                |
| D15  | PRE-TENSIONED HIGH STRENGTH BOLT INSTALLATION USING TURN-OF-THE-NUT METHOD WITH MATCH MARKING, DIRECT TENSION INDICATOR METHOD OR TWIST-OFF TYPE TENSION CONTROL BOLT METHOD:   | P                |
| D16  | PRE-TENSIONED HIGH STRENGTH BOLT INSTALLATION USING TURN-OF-THE-NUT METHOD WITHOUT MATCH MARKING, OR CALIBRATED WRENCH METHOD:  | C                |
| D17  | VERIFICATION OF FRAME JOINT DETAILS INCLUDING APPLICATION, COMPONENT LOCATIONS, BRACING, AND STIFFENERS:  | P                |
| D18  | WELDING PERFORMED IN THE SHOP OF AN APPROVED FABRICATOR SHALL NOT REQUIRE SPECIAL INSPECTION.   |                  |
| D19  | SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT TO THE LOCAL BUILDING OFFICIAL DETAILING THE RESULTS OF ALL STRUCTURAL STEEL INSPECTIONS PRIOR TO FINAL BUILDING INSPECTION.  |                  |
| E.   | COLD-FORMED STEEL FRAMING.  |                  |
| E1   | MATERIAL VERIFICATION OF WELD FILLER MATERIALS:   | P                |
| E2   | VERIFY USE OF PROPER WPS'S:   | P                |
| E3   | VERIFY WELDER QUALIFICATIONS:   | P                |
| E4   | WELDED FRAMING CONNECTIONS:   | P                |
| F.   | ALL SPECIAL INSPECTION SHALL BE PERFORMED BY ICC CERTIFIED INSPECTORS.  |                  |

1



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 www.jub.com



5/28/2019

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|-----|---------------|-------------|--------|---------|
| 1   |               |             | MRRSER | 6/27/19 |

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WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH

PEDESTRIAN BRIDGE  
 SPECIAL INSPECTIONS

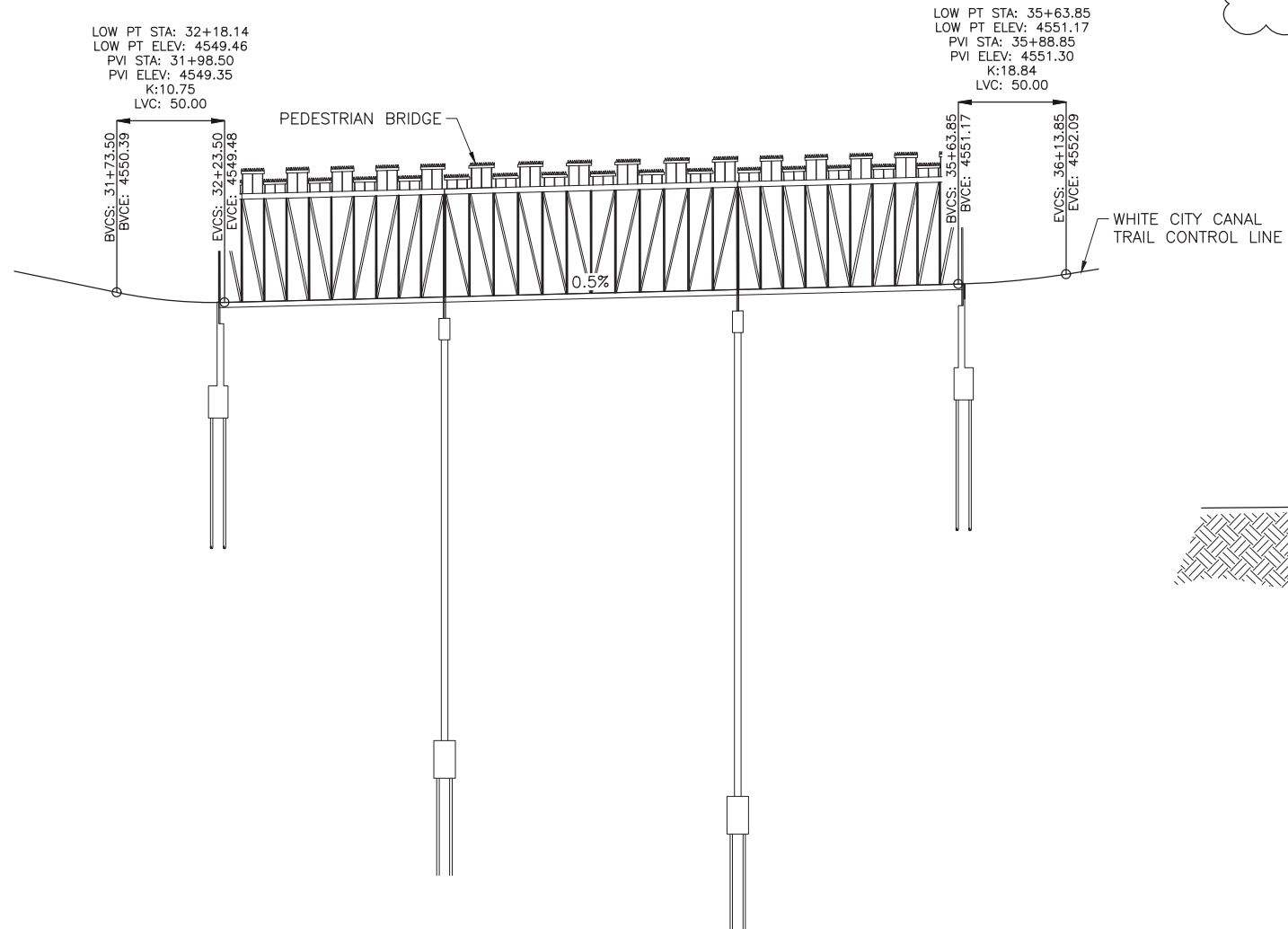
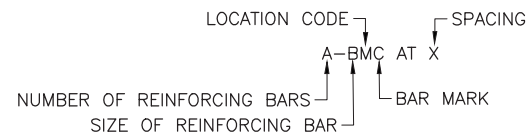
FILE: 65-15-107\_S-101  
 JUB PROJ. #: 65-15-107  
 DRAWN BY: JPL  
 DESIGN BY: SER  
 CHECKED BY: AWB

ONE INCH  
 AT FULL SIZE, IF NOT ONE  
 INCH, SCALE ACCORDINGLY  
 LAST UPDATED: 7/10/2019

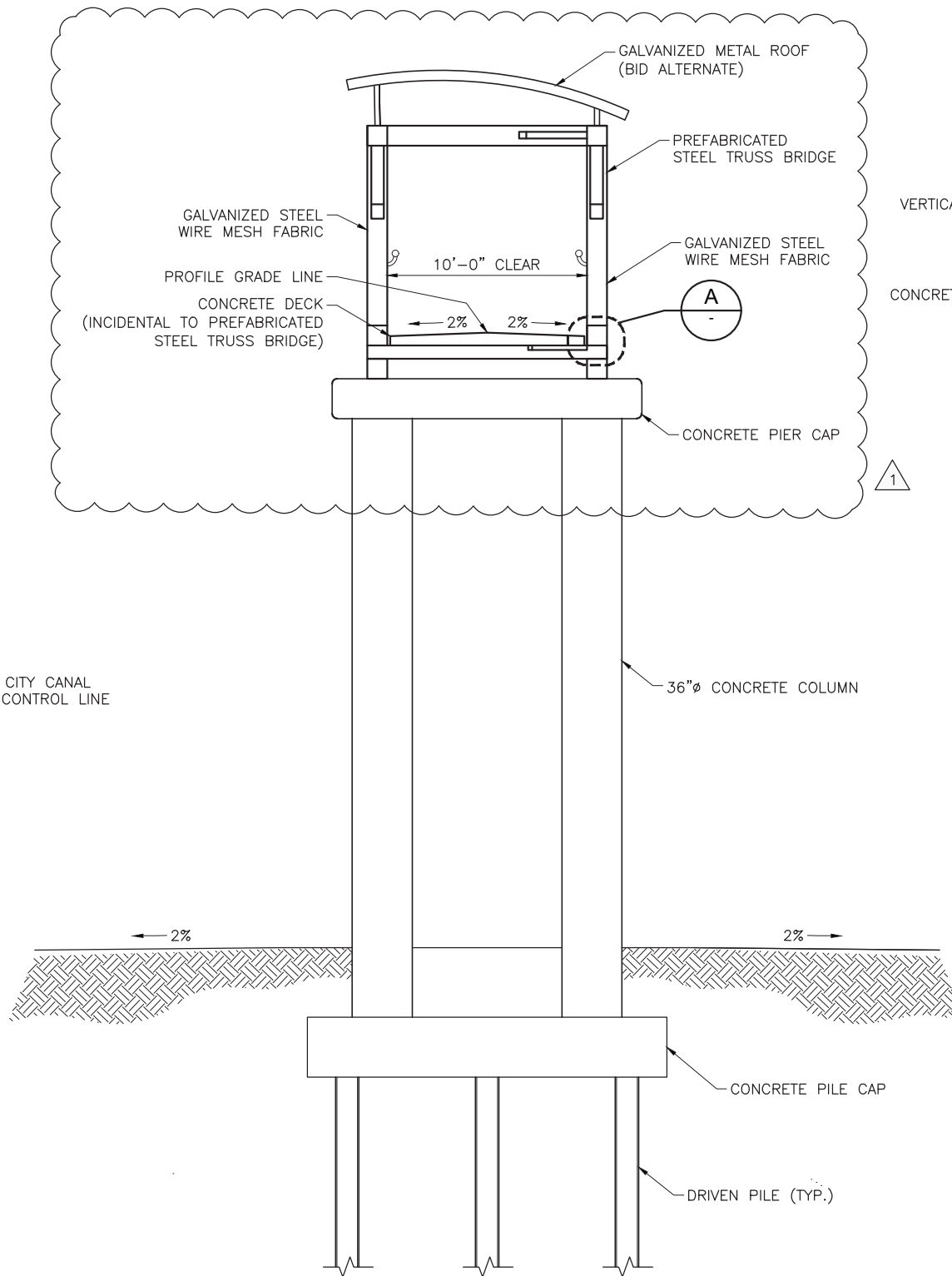
SHEET NUMBER:  
**S-101A**

**GENERAL NOTES**

1. CONSTRUCT IN ACCORDANCE WITH UTAH DEPARTMENT OF TRANSPORTATION 2017 STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE. PROVIDE PREMANUFACTURED BRIDGE IN ACCORDANCE WITH SECTION 05125 OF THE SPECIFICATIONS.
2. USE COATED DEFORMED CARBON STEEL BARS CONFORMING TO AASHTO M111 OR ASTM A775 AND AASHTO M31 GRADE 60, RESPECTIVELY. USE COATED DEFORMED CARBON STEEL BARS CONFORMING TO ASTM A706 GRADE 60 IN CONCRETE COLUMNS. USE UNCOATED DEFORMED CARBON STEEL BARS CONFORMING TO ASTM A706 GRADE 60 WHERE WELDING OF STEEL BARS TO STRUCTURAL STEEL IS REQUIRED.
3. USE STRUCTURAL STEEL CONFORMING TO AASHTO M 270 GRADE 50W EXCEPT WHERE NOTED OTHERWISE.
4. CHAMFER ALL EXPOSED CONCRETE CORNERS 3/4 INCH EXCEPT WHERE NOTED OTHERWISE.
5. PROVIDE 2 INCH MINIMUM CONCRETE COVER TO REINFORCING STEEL EXCEPT WHERE NOTED OTHERWISE.
6. USE CLASS AA(AE) CAST-IN-PLACE CONCRETE EXCEPT WHERE NOTED OTHERWISE.
7. ITEM "STRUCTURAL CONCRETE" INCLUDES EXCAVATION, GRANULAR BACKFILL BORROW, FREE-DRAINING GRANULAR BACKFILL, AND DRAINAGE GEOTEXTILE.
8. VERIFY UTILITY LOCATIONS BEFORE CONSTRUCTION. PROTECT EXISTING UTILITIES IN PLACE UNLESS NOTED OTHERWISE.
9. LOCATE EXISTING STORM DRAIN PIPE NEAR ABUTMENT 1 (SOUTH ABUTMENT). SUBMIT LOCATION DATA (PLAN AND ELEVATION) TO ENGINEER FOR EVALUATION. IF IT IS DETERMINED THAT THE EXISTING PIPE LOCATION CONFLICTS WITH THE PEDESTRIAN BRIDGE FOUNDATION, FURTHER INSTRUCTIONS WILL BE GIVEN. OTHERWISE, PROTECT PIPE IN EXISTING LOCATION.
10. COAT OR GALVANIZE ALL MISCELLANEOUS STEEL PLACED IN STRUCTURAL CONCRETE, UNLESS NOTED OTHERWISE.
11. DO NOT SCALE DRAWINGS. HORIZONTAL DIMENSIONS ARE PLAN. VERTICAL DIMENSIONS ARE PLUMB.
12. REINFORCING IS CALLED OUT IN THE FORM: A-BMC AT X, WHERE A IS THE NUMBER OF REINFORCING BARS, B IS THE REINFORCING SIZE, M IS THE REINFORCING LOCATION CODE, C IS THE REINFORCING BAR MARK, AND X IS THE SPACING. SEE BELOW.



**WHITE CITY CANAL TRAIL PROFILE**



**TYPICAL SECTION AT PIER**

**JUB**  
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| 1   |          | REVISED DIMENSION | 7/1/19 |    |      |

**WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH**

PEDESTRIAN BRIDGE  
SITUATION AND LAYOUT 2 OF 2

FILE: 55-15-107\_S-102  
JUB PROJ #: 55-15-107  
DRAWN BY: JPL  
DESIGN BY: SER  
CHECKED BY: AWB

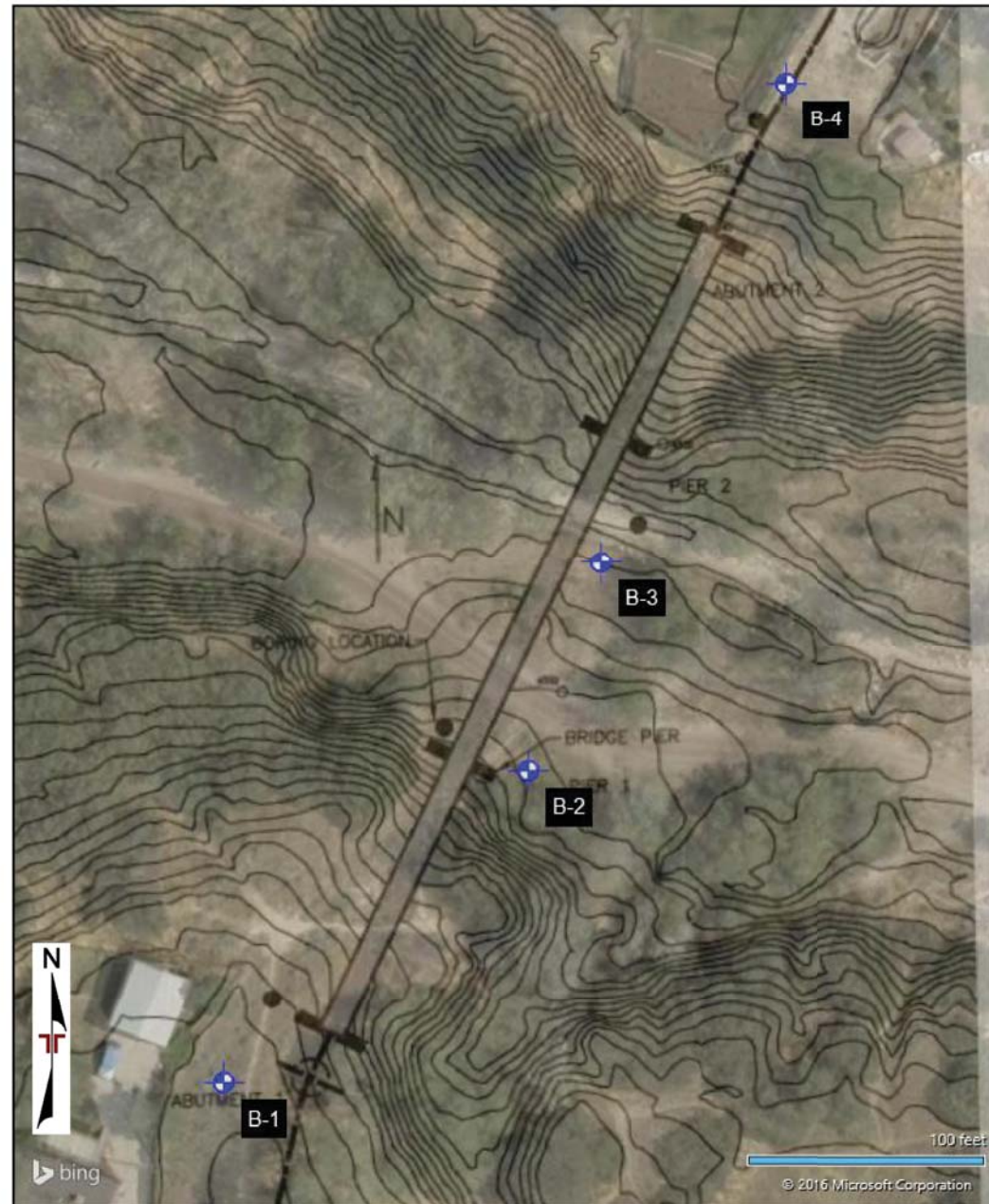
ONE INCH  
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SHEET NUMBER:  
**S-102**

Plot Date: 7/11/2019 8:40 AM. Plotted By: Adam Lambert  
Date Created: 7/1/2019 11:00 AM. U:\LOGAN\PUBLIC\PROJECTS\JUB\KAYSVILLE OFFICE\55-15-107\_WHITE CITY CANAL CAD SHEET\STRUCTURAL\55-15-107\_S-102.DWG





|                         |                         |   |                         |         |
|-------------------------|-------------------------|---|-------------------------|---------|
| Project Manager:<br>JWG | Project No:<br>61165123 | <p>6949 S High Tech Dr Ste 100<br/>Midvale, UT 84047-3707</p> | EXPLORATION PLAN        | Exhibit |
| Drawn by:<br>CMA        | Scale:<br>AS SHOWN      |   | White City Canal Bridge | A-2     |
| Checked by:<br>JWG      | File Name:<br>NA        |   | 10120 South 700 East    |         |
| Approved by:<br>RLC     | Date:<br>11/17/2016     |   | Sandy, UT               |         |

### BORING LOG NO. B-1

Page 1 of 1

PROJECT: White City Canal Bridge CLIENT: J-U-B Engineers, Inc.  
 SITE: Dimple Dell Park Sandy, Utah Logan, Utah

| GRAPHIC LOG | LOCATION   | DEPTH (FL) | WATER LEVEL OBSERVATIONS | SAMPLE TYPE | RECOVERY (In.) | FIELD TEST RESULTS | N1(60) | AASHTO | LABORATORY TORVANE/HP (pcf) | WATER CONTENT (%) | DRY UNIT WEIGHT (pcf) | ATTERBERG LIMITS | PERCENT FINES |
|-------------|--|------------|--------------------------|-------------|----------------|--------------------|--------|--------|-----------------------------|-------------------|-----------------------|------------------|---------------|
|             | Abutment 1<br>Latitude: 40.56803° Longitude: -111.868983°<br>Surface Elev.: 4552 (Fl.)                                   |            |                          |             |                |                    |        |        |                             |                   |                       | LL-PL-PI         |               |
| 7.0         | SILTY SAND (SM), with gravel, brown, loose to medium dense   | 4545       |                          |             | 18             | 6-13-11<br>N=24    | 41     |        |                             |                   |                       |                  |               |
|             | POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM), trace gravel, light brown, loose to medium dense, with possible cobbles |            |                          |             | 13             | 5-4-3<br>N=7       | 11     |        |                             |                   |                       |                  |               |
|             | - grinding   |            |                          |             | 14             | 4-3-5<br>N=8       | 12     | A-1-b  |                             | 1                 |                       | NP               | 7             |
|             |  |            |                          |             | 16             | 7-11-11<br>N=22    | 31     |        |                             |                   |                       |                  |               |
|             |  |            |                          |             | 18             | 4-8-9<br>N=17      | 22     |        |                             |                   |                       |                  |               |
|             |  |            |                          |             | 16             | 5-11-0<br>N=20     | 25     |        |                             |                   |                       |                  |               |
| 23.0        | SILTY SAND (SM), trace gravel, light brown, medium dense   | 4529       |                          |             | 14             | 6-9-7<br>N=16      | 18     |        |                             |                   |                       |                  |               |
|             |  |            |                          |             | 18             | 4-7-7<br>N=14      | 15     |        |                             |                   |                       |                  |               |
| 33.0        | LEAN CLAY (CL), gray, very soft to stiff, moderate to high plasticity  | 4519       |                          |             | 18             | 3-1-1<br>N=2       | 2      |        |                             | 35                |                       |                  |               |
|             |  |            |                          |             | 22             |                    |        | A-4    | TV-0.9<br>ksf               | 28                | 93                    | 31-21-10         | 95            |
|             |  |            |                          |             | 18             | 0-0-1<br>N=1       | 1      |        |                             |                   |                       |                  |               |
| 43.0        | SANDY SILT (ML), grayish-brown, hard   | 4509       |                          |             | 18             | 4-10-24<br>N=34    | 34     | A-4    |                             | 20                |                       | NP               | 66            |
|             |  |            |                          |             | 16             | 16-13-14<br>N=27   | 26     |        |                             |                   |                       |                  |               |
| 48.0        | SILTY SAND (SM), light brown, medium dense   | 4504       |                          |             |                |                    |        |        |                             |                   |                       |                  |               |
| 51.5        | Boring Terminated at 51.5 Feet   | 4500.5     |                          |             |                |                    |        |        |                             |                   |                       |                  |               |

Stratification lines are approximate. In-situ, the transition may be gradual. Hammer Type: Automatic

Advancement Method: Hollow-Stem Auger, 4.25 inch inside diameter  
 See Exhibit A-3 for description of field procedures.  
 Notes: 7.5 ft - Direct Shear  
 35 ft - Analytical Tests  
 37 ft - UU Triaxial, Consolidation

Abandonment Method: Borings backfilled with soil cuttings upon completion.  
 See Appendix C for explanation of symbols and abbreviations.  
 Elevations were interpolated from a topographic site plan provided by the client.

Water Level Observations:  
 while drilling. Perched water.  
 No water measured at end of drilling.

**Terracon**  
 6949 S High Tech Dr Ste 100  
 Midvale, UT

Boring Started: 10/18/2016 Boring Completed: 10/18/2016  
 Drill Rig: Geoprobe Driller: DPS  
 Project No.: 61165123 Exhibit: A-4

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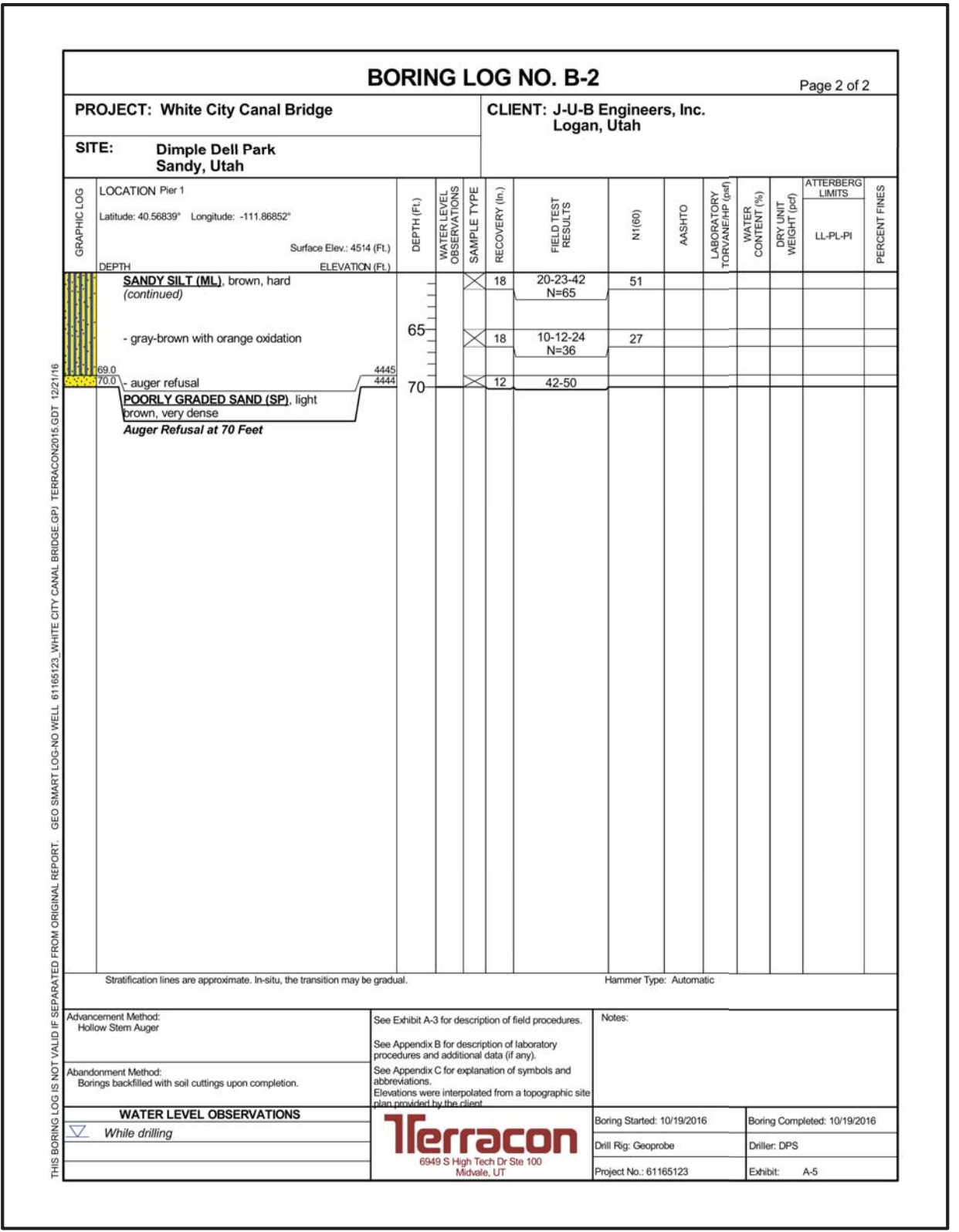
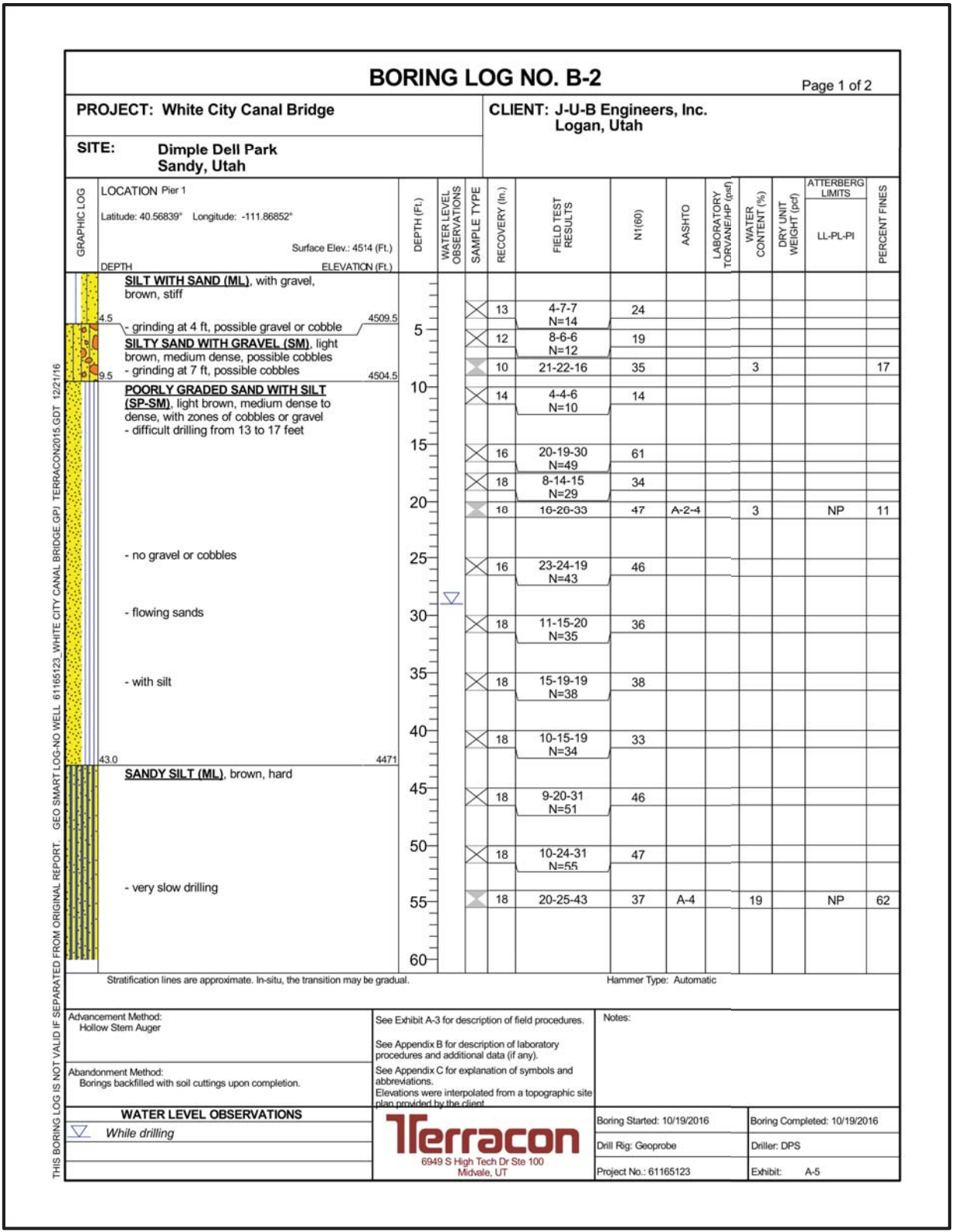
| NO. | REVISION | DESCRIPTION | BY | DATE    |
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| 3   |          |             |    | 3/20/19 |

WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 PEDESTRIAN BRIDGE  
 BORING LOGS 1 OF 3

FILE: 65-15-107\_S-103X  
 JUB PROJ. #: 65-15-107  
 DRAWN BY: JPL  
 DESIGN BY: SER  
 CHECKED BY: AWB  
 ONE INCH  
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 LAST UPDATED: 3/13/2019  
 SHEET NUMBER:  
**S-103**

Plot Date: 7/11/2019 8:49 AM, Plotted By: Adam Lambert  
 Date Created: 5/22/2017, \LOGAN\PUBLIC\PROJECTS\JUB, KAYSVILLE OFFICE: 65-15-107, WHITE CITY CANAL CAD SHEET\STRUCTURAL\65-15-107\_S-103X.DWG

Plot Date: 7/11/2019 8:49 AM Plotted By: Adam Lambert  
 Date Created: 5/22/2017 11:03AM PROJECT: JUB, KAYSVILLE OFFICE: 55-107 S-103X.DWG



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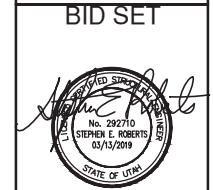
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 03/13/2019  
 STATE OF UTAH

3/13/2019

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**WHITE CITY CANAL TRAIL**  
**SALT LAKE COUNTY UTAH**  
**PEDESTRIAN BRIDGE**  
**BORING LOGS 2 OF 3**

FILE: 55-15-107\_S-103X  
 JUB PROJ. #: 55-15-107  
 DRAWN BY: JPL  
 DESIGN BY: SER  
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 ONE INCH  
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**SHEET NUMBER:**  
**S-104**



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|     |          |             |    |      |
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|     |          |             |    |      |
|     |          |             |    |      |

WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 PEDESTRIAN BRIDGE  
 BORING LOGS 3 OF 3

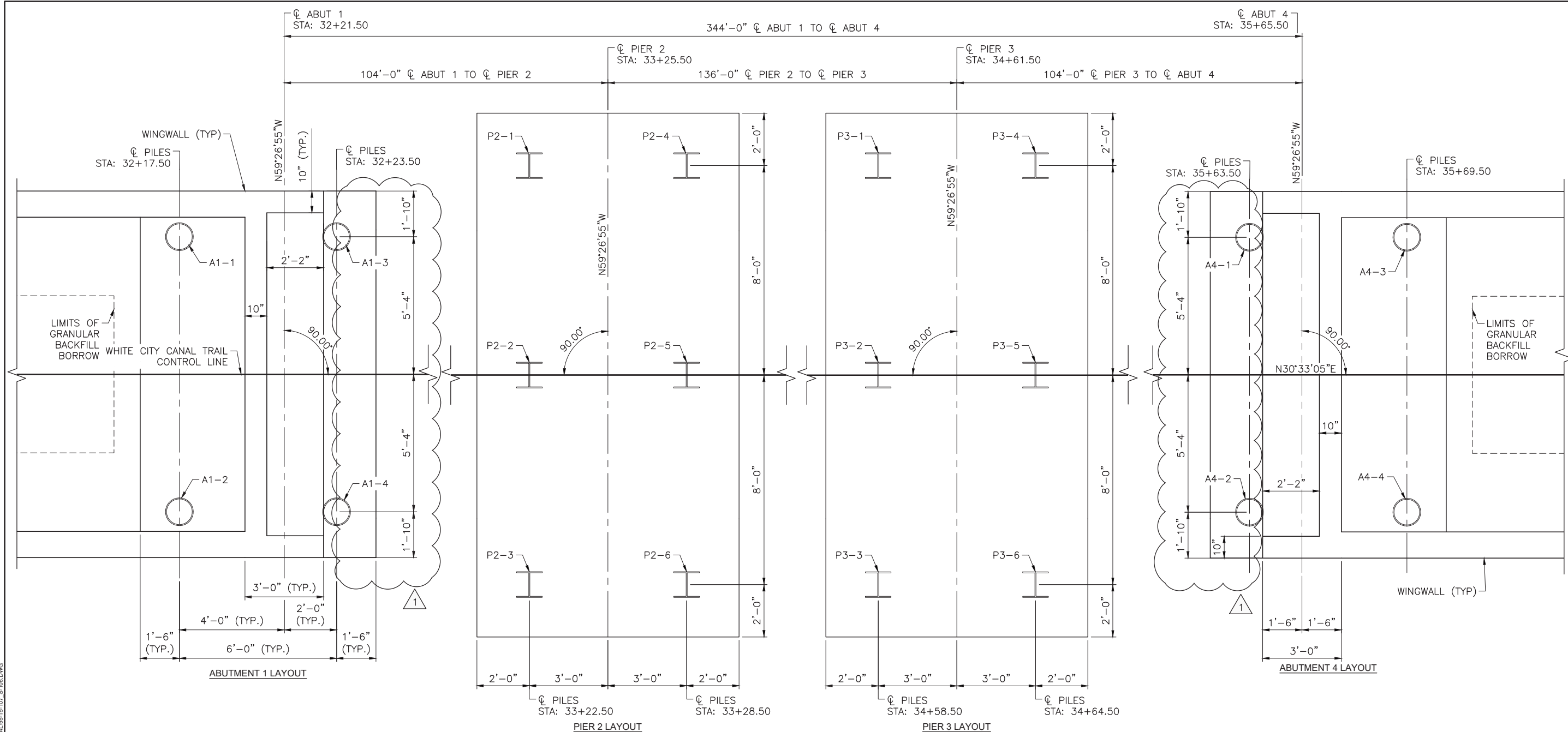
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 CHECKED BY: AWB  
 ONE INCH  
 AT FULL SIZE, IF NOT ONE  
 INCH, SCALE ACCORDINGLY  
 LAST UPDATED: 3/13/2019  
 SHEET NUMBER:  
**S-105**

| BORING LOG NO. B-3   |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               | Page 1 of 1 |  |
|--|--|-------------------------|--------------------------|---|------------------|--------------------|--|--|-----------------------------|-------------------|-----------------------|------------------------------|---------------|-------------|--|
| PROJECT: White City Canal Bridge   |  |                         |                          |   |                  |                    | CLIENT: J-U-B Engineers, Inc.<br>Logan, Utah |  |                             |                   |                       |                              |               |             |  |
| SITE: Dimple Dell Park<br>Sandy, Utah  |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| GRAPHIC LOG  | LOCATION   | DEPTH (FL)              | WATER LEVEL OBSERVATIONS | SAMPLE TYPE   | RECOVERY (In.)   | FIELD TEST RESULTS | N(60)  | AASHTO   | LABORATORY TORVANE/HP (pcf) | WATER CONTENT (%) | DRY UNIT WEIGHT (pcf) | ATTERBERG LIMITS<br>LL-PL-PI | PERCENT FINES |             |  |
|  | Pier 2<br>Latitude: 40.56863° Longitude: -111.86841°<br>Surface Elev.: 4500 (FL)   |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
|  |  | DEPTH<br>ELEVATION (FL) |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
|  | SILTY SAND WITH GRAVEL (SM), with cobbles, light brown, medium dense to dense<br>- grinding on augers                    | 5                       |                          | 7   | 11-15-41<br>N=56 | 95                 |  |  |                             |                   |                       |                              |               |             |  |
|  |  |                         |                          | 13  | 5-10-16<br>N=26  | 40                 |  |  |                             |                   |                       |                              |               |             |  |
|  |  |                         |                          | 18  | 13-10-24         | 31                 | A-2-4  | 13   |                             |                   |                       | NP                           | 18            |             |  |
|  | WELL GRADED SAND WITH SILT (SW-SM), light brown to brown, dense<br><br>- flowing sands<br><br>- slow, difficult drilling | 10                      |                          | 18  | 8-19-20<br>N=39  | 53                 |  |  |                             |                   |                       |                              |               |             |  |
|  |  |                         |                          | 18  | 9-16-16<br>N=32  | 42                 | A-2-4  | 15   |                             |                   |                       | NP                           | 12            |             |  |
|  |  |                         |                          | 18  | 10-17-20<br>N=37 | 50                 |  |  |                             |                   |                       |                              |               |             |  |
|  | POORLY GRADED SAND WITH SILT (SP-SM), brown, medium dense to dense<br><br>- very slow drilling                           | 25                      |                          | 18  | 4-10-14<br>N=24  | 31                 | A-3  | 20   |                             |                   |                       | NP                           | 10            |             |  |
|  |  |                         |                          | 18  | 10-17-17<br>N=34 | 41                 |  |  |                             |                   |                       |                              |               |             |  |
|  |  |                         |                          | 18  | 6-16-20<br>N=36  | 42                 |  |  |                             |                   |                       |                              |               |             |  |
|  |  |                         |                          | 18  | 11-16-22<br>N=38 | 44                 |  |  |                             |                   |                       |                              |               |             |  |
|  | - auger refusal, flowing sands prohibited sample collection<br><b>Auger Refusal at 39 Feet</b>                           | 39.0                    |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| Stratification lines are approximate. In-situ, the transition may be gradual. Hammer Type: Automatic |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| Advancement Method:<br>Hollow Stem Auger   |  |                         |                          | See Exhibit A-3 for description of field procedures.<br>See Appendix B for description of laboratory procedures and additional data (if any).     |                  |                    |  | Notes:<br>7.5' - Direct Shear  |                             |                   |                       |                              |               |             |  |
| Abandonment Method:<br>Borings backfilled with soil cuttings upon completion.                        |  |                         |                          | See Appendix C for explanation of symbols and abbreviations.<br>Elevations were interpolated from a topographic site plan provided by the client. |                  |                    |  | Boring Started: 10/20/2016<br>Drill Rtg: Geoprobe<br>Project No.: 61165123 |                             |                   |                       |                              |               |             |  |
| Boring Completed: 10/20/2016<br>Driller: DPS<br>Exhibit: A-6   |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| WATER LEVEL OBSERVATIONS   |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| ▽ While drilling.  |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| ▽ After drilling.  |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |

| BORING LOG NO. B-4   |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               | Page 1 of 1 |  |
|--|--|-------------------------|--------------------------|---|------------------|--------------------|--|--|-----------------------------|-------------------|-----------------------|------------------------------|---------------|-------------|--|
| PROJECT: White City Canal Bridge   |  |                         |                          |   |                  |                    | CLIENT: J-U-B Engineers, Inc.<br>Logan, Utah |  |                             |                   |                       |                              |               |             |  |
| SITE: Dimple Dell Park<br>Sandy, Utah  |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| GRAPHIC LOG  | LOCATION   | DEPTH (FL)              | WATER LEVEL OBSERVATIONS | SAMPLE TYPE   | RECOVERY (In.)   | FIELD TEST RESULTS | N(60)  | AASHTO   | LABORATORY TORVANE/HP (pcf) | WATER CONTENT (%) | DRY UNIT WEIGHT (pcf) | ATTERBERG LIMITS<br>LL-PL-PI | PERCENT FINES |             |  |
|  | Abutment 2<br>Latitude: 40.569183° Longitude: -111.86813°<br>Surface Elev.: 4553 (FL)                    |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
|  |  | DEPTH<br>ELEVATION (FL) |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
|  | SILTY SAND (SM), trace gravel, brown, medium dense, with potential gravel or cobbles<br>- auger grinding | 5                       |                          | 14  | 1-12-9<br>N=21   | 36                 |  |  |                             |                   |                       |                              |               |             |  |
|  |  |                         |                          | 12  | 2-5-5<br>N=10    | 15                 | A-2-4  | 4  |                             |                   |                       | NP                           | 19            |             |  |
|  |  |                         |                          | 13  | 7-8-7<br>N=15    | 21                 |  |  |                             |                   |                       |                              |               |             |  |
|  | POORLY GRADED SAND (SP), with gravel, light brown, medium dense  | 10                      |                          | 16  | 17-16-10<br>N=26 | 36                 |  |  |                             |                   |                       |                              |               |             |  |
|  |  |                         |                          | 14  | 15-16-12<br>N=28 | 35                 |  |  |                             |                   |                       |                              |               |             |  |
|  | POORLY GRADED SAND WITH SILT (SP-SM), light brown, medium dense  | 20                      |                          | 14  | 7-9-8<br>N=17    | 21                 |  |  |                             |                   |                       |                              |               |             |  |
|  | SANDY SILT (ML), gray-brown, stiff   | 25                      |                          | 18  | 6-4-5<br>N=9     | 11                 |  |  | 20                          |                   |                       |                              | 72            |             |  |
|  | LEAN CLAY (CL), gray-brown with orange oxidation, very soft to stiff, with some silt and sand lenses     | 30                      |                          | 18  | 1-0-1<br>N=1     | 1                  |  |  | 36                          |                   |                       |                              |               |             |  |
|  |  |                         |                          | 24  |                  |                    |  | A-6  | TV-0.9<br>ksf               | 26                | 94                    | 32-21-11                     | 85            |             |  |
|  |  |                         |                          | 18  | 0-0-1<br>N=1     | 1                  |  |  | 39                          |                   |                       |                              |               |             |  |
|  |  |                         |                          | 18  | 7-23-19<br>N=42  | 44                 |  |  |                             |                   |                       |                              |               |             |  |
|  | SILTY SAND (SM), gray-brown with orange oxidation, dense   | 45                      |                          | 18  | 12-23-34<br>N=57 | 57                 |  |  | 10                          |                   |                       |                              |               |             |  |
|  | POORLY GRADED SAND WITH SILT (SP-SM), gray, very dense   | 50                      |                          | 17  | 48-40-50<br>N=90 | 85                 |  |  |                             |                   |                       |                              |               |             |  |
|  | WELL GRADED SAND WITH GRAVEL (SW), with cobbles, light brown, very dense<br>- very difficult drilling    | 55                      |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
|  | <b>Auger Refusal at 55.4 Feet</b>  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| Stratification lines are approximate. In-situ, the transition may be gradual. Hammer Type: Automatic |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| Advancement Method:<br>Hollow Stem Auger   |  |                         |                          | See Exhibit A-3 for description of field procedures.<br>See Appendix B for description of laboratory procedures and additional data (if any).     |                  |                    |  | Notes:<br>30' - Analytical Tests<br>35' - UU Triaxial, Consolidation       |                             |                   |                       |                              |               |             |  |
| Abandonment Method:<br>Borings backfilled with soil cuttings upon completion.                        |  |                         |                          | See Appendix C for explanation of symbols and abbreviations.<br>Elevations were interpolated from a topographic site plan provided by the client. |                  |                    |  | Boring Started: 10/18/2016<br>Drill Rtg: Geoprobe<br>Project No.: 61165123 |                             |                   |                       |                              |               |             |  |
| Boring Completed: 10/20/2016<br>Driller: DPS<br>Exhibit: A-7   |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| WATER LEVEL OBSERVATIONS   |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| ▽ While drilling, Perched water.   |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |
| No water measured at end of drilling.  |  |                         |                          |   |                  |                    |  |  |                             |                   |                       |                              |               |             |  |

Plot Date: 7/11/2019 8:49 AM. Plotted By: Adam Lambert.  
 Date Created: 5/22/2017. \LOGAN\PUBLIC\PROJECTS\JUB\ KAYSVILLE OFFICE\55-15-107\_S-103X.DWG

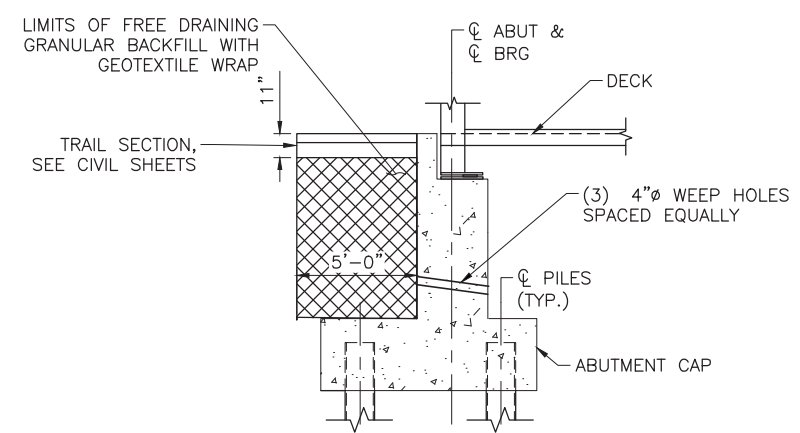
| NO. | REVISION           | DATE             |
|-----|--------------------|------------------|
| 1   | REVISED DIMENSIONS | ALL USER 7/10/19 |
|     | DESCRIPTION        | BY APR.          |



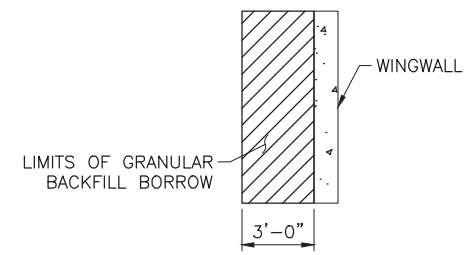
**1 PILE AND PILE CAP LAYOUT**  
 SCALE: 1" = 2'-0"

**NOTES**

- SEE SHEET S-107 FOR PILE SIZE, DETAILS, AND PILE TIP ELEVATION TABLE.
- DIMENSIONS ARE MEASURED ALONG  $\phi$  BRG. ABUT. UNLESS NOTED OTHERWISE.
- PERFORM DYNAMIC PILE LOAD TEST (PDA) ONE PILE PER ABUTMENT AND ONE PILE PER PIER. DO NOT PROCEED WITH CORRESPONDING SUBSTRUCTURE PILE INSTALLATION UNTIL PDA TEST RESULTS ARE CONFIRMED WITH DESIGN DEMANDS AND REQUIREMENTS.

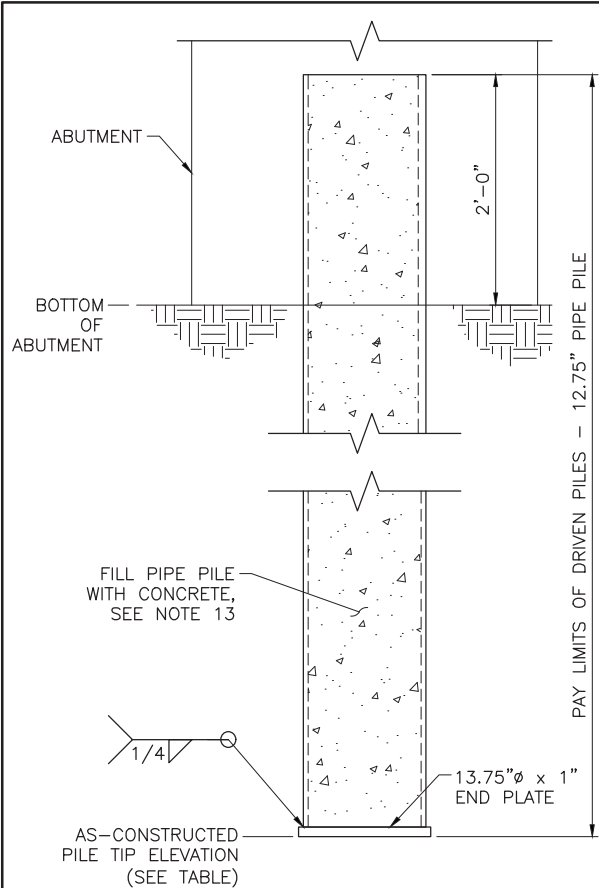


**LIMITS OF GRANULAR BACKFILL BORROW AT ABUTMENT**

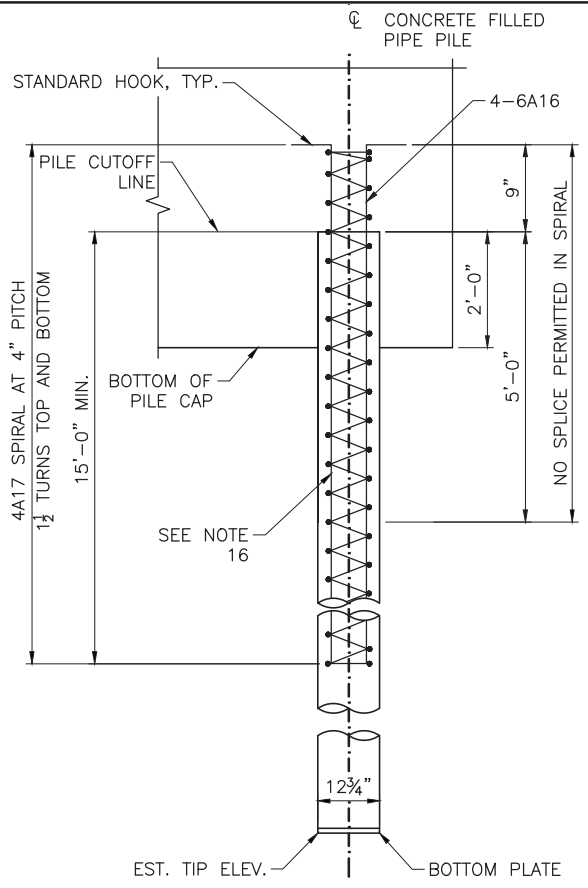


**LIMITS OF GRANULAR BACKFILL BORROW AT WINGWALL**

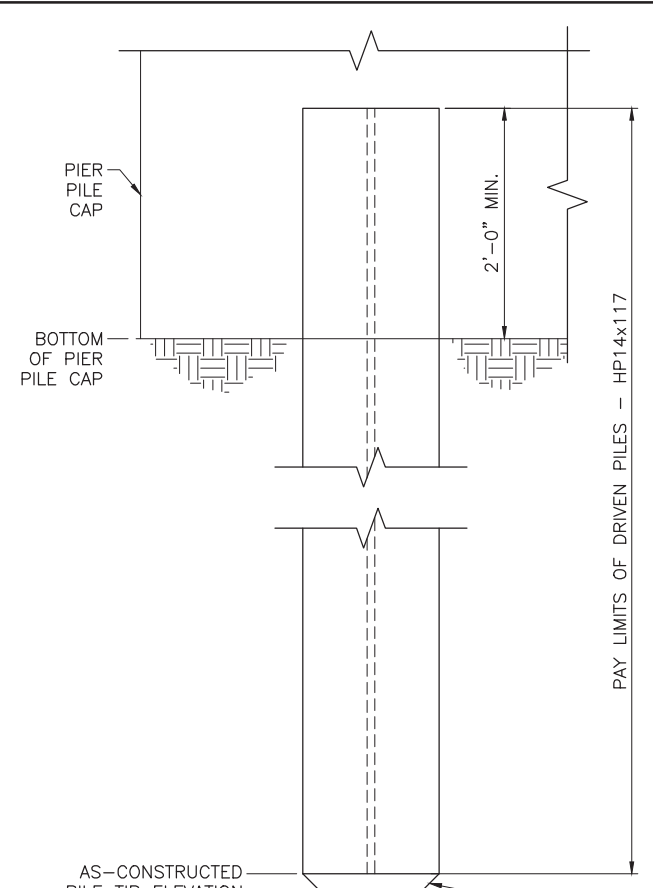
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 Date Created: 7/10/2019 11:02:19 AM, LOGAN PUBLIC PROJECTS (SUB), KAYSVILLE OFFICE: 55-15-107, WHITE CITY CANAL CAD SHEET STRUCTURAL 55-15-107, S-106.DWG



TYPICAL DRIVEN PIPE PILE DETAIL

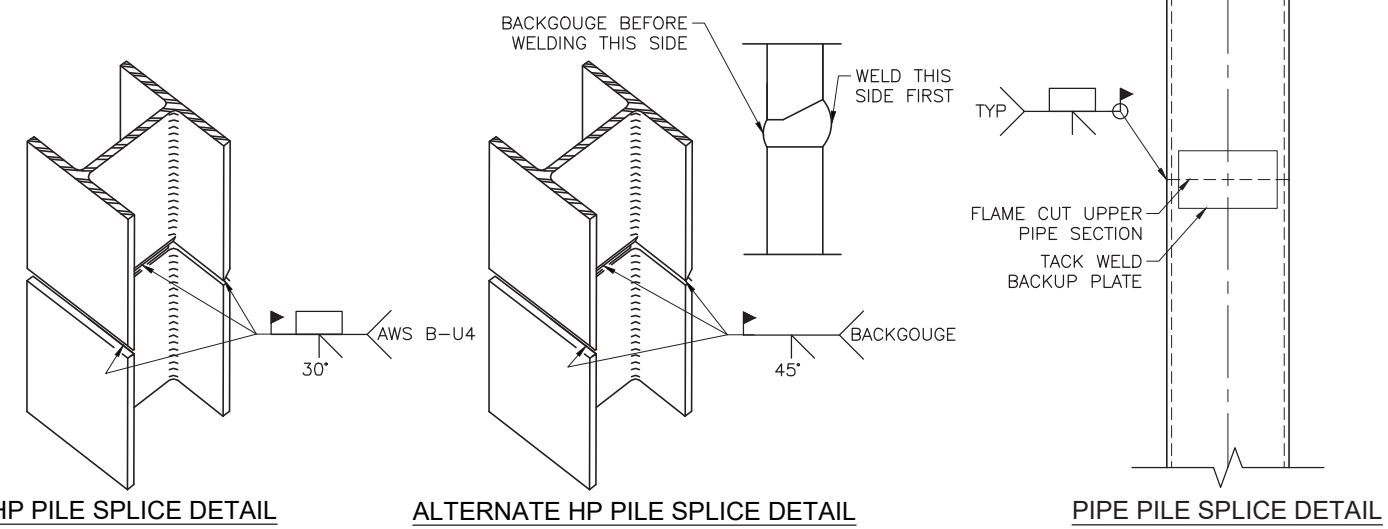


PIPE PILE REINFORCEMENT DETAIL



TYPICAL DRIVEN HP PILE DETAIL

- NOTES:**
1. PROVIDE HP SECTIONS CONFORMING TO ASTM A270 GR. 50, Fy = 50 KSI.
  2. PROVIDE PIPE SECTIONS CONFORMING TO ASTM A252 GRADE 3, Fy = 45 KSI.
  3. BACKUP PLATES SHALL CONFORM TO ASTM A36 OR BE OF THE SAME MATERIAL AS THE PILES. THE BACKUP PLATE SHALL BE AT LEAST 3/8" THICK.
  4. AT THE CONTRACTOR'S OPTION, PREFABRICATED SPLICES MAY BE USED IN PLACE OF FIELD WELDED SPLICES. PREFABRICATED SPLICES MUST BE APPROVED BY THE ENGINEER.
  5. THE CONTRACTOR SHALL PROVIDE WELDING QUALIFICATION TESTS TO DEMONSTRATE THE WELDABILITY OF PILES UNDER FIELD CONDITIONS.
  6. QUALIFICATION OF WELDERS, MATERIALS, INSPECTION, AND PROCEDURES FOR WELDING SHALL CONFORM TO THE CURRENT EDITION OF ANSI/AWS D1.1 AND AASHTO/AWS D1.3.
  7. THE CONTRACTOR SHALL FURNISH THE TYPE AND ALL OPERATION SPECIFICATIONS OF THE HAMMER TO THE ENGINEER 15 DAYS PRIOR TO PILE DRIVING.
  8. PILE TIP ELEVATIONS SHOWN ARE APPROXIMATE. DRIVE PILES TO MINIMUM ACCEPTABLE PILE TIP ELEVATIONS. INCREASE DRIVEN PILE DEPTH, AS REQUIRED, TO ACHIEVE CAPACITY.
  9. MAXIMUM ALLOWABLE DRIVING STRESS IS 45 KSI FOR HP SECTIONS, 40.5 KSI FOR PIPE SECTIONS.
  10. DYNAMIC TESTING OF PILES IS REQUIRED FOR AT LEAST ONE PILE AT EACH ABUTMENT OR PIER LOCATION. SEE SECTION 02455 FOR ADDITIONAL REQUIREMENTS.
  11. SEE SHEET S-106 FOR PILE LOCATIONS.
  12. REFER TO GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
  13. FILL PIPE PILES WITH CONCRETE IN CONFORMANCE WITH SECTION 02455. VERIFY PILES ARE DRY PRIOR TO FILLING WITH CONCRETE. CONCRETE IS TO HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH  $f'_c = 4.0$  KSI.
  14. DIFFICULT DRIVING CONDITIONS WILL BE ENCOUNTERED AT PIERS. PROVIDE APPROVED DRIVING TIP FOR H-PILES. SEE GEOTECHNICAL REPORT FOR ADDITIONAL DETAILS AND REQUIREMENTS.
  15. REFER TO "GEOTECHNICAL ENGINEERING REPORT: WHITE CITY TRAIL PEDESTRIAN BRIDGE" BY TERRACON CONSULTANTS, INC. DATED OCTOBER 5, 2017 FOR ADDITIONAL DETAILS AND REQUIREMENTS.
  16. FOR PIPE PILE, NO SPLICES PERMITTED IN VERTICAL REINFORCING STEEL.
  17. HOLD REINFORCING STEEL IN POSITION DURING PLACEMENT OF CONCRETE IN PIPE PILE.
  18. FOR PIPE PILE REINFORCING, USE UNCOATED DEFORMED CARBON STEEL BARS CONFORMING TO ASTM A706 GRADE 60 OR AASHTO M31 GRADE 60, MEETING THE DUCTILITY REQUIREMENTS FOR ASTM A706 FOR VERTICAL BARS IN PILES. USE UNCOATED DEFORMED CARBON STEEL BARS CONFORMING TO AASHTO M31 GRADE 60 FOR SPIRAL.



PILE DATA

| LOCATION    | PILE SIZE    | MINIMUM PILE TIP ELEVATION | ESTIMATED PILE TIP ELEVATION | FACTORED PILE CAPACITY STRENGTH PHI=0.65 (KIPS) | FACTORED PILE LOAD STRENGTH (KIPS) | FACTORED PILE CAPACITY EXTREME EVENT PHI=1.0 (KIPS) | FACTORED PILE LOAD EXTREME EVENT (KIPS) | FACTORED PILE CAPACITY EXTREME EVENT (UPLIFT) PHI=0.80 (KIPS) | FACTORED PILE LOAD EXTREME EVENT (UPLIFT) (KIPS) | FACTORED PILE CAPACITY SERVICE PHI=1.0 (KIPS) | FACTORED PILE LOAD SERVICE (KIPS) | MINIMUM RESISTANCE DURING DRIVING (KIPS) |
|-------------|--------------|----------------------------|------------------------------|---|------------------------------------|---|---|---|--|---|-----------------------------------|--|
| ABUTMENT #1 | 12.750x0.375 | 4508.00                    | 4504.00                      | 232   | 130                                | 358   | 170                                     | 90  | 48   | 155   | 93                                | 358                                      |
| PIER #2     | HP14x117     | 4450.00                    | 4446.00                      | 420   | 185                                | 650   | 393                                     | 250   | 232  | 198   | 116                               | 650                                      |
| PIER #3     | HP14x117     | 4450.00                    | 4446.00                      | 420   | 185                                | 650   | 393                                     | 250   | 232  | 198   | 116                               | 650                                      |
| ABUTMENT #4 | 12.750x0.375 | 4508.00                    | 4504.00                      | 232   | 130                                | 358   | 170                                     | 90  | 48   | 155   | 93                                | 358                                      |

AS-CONSTRUCTED PILE TIP ELEVATIONS

| ABUTMENT #1 |  | ABUTMENT #4 |  |
|-------------|--|-------------|--|
| A1-1        |  | A4-1        |  |
| A1-2        |  | A4-2        |  |
| A1-3        |  | A4-3        |  |
| A1-4        |  | A4-4        |  |

AS-CONSTRUCTED PILE TIP ELEVATIONS

| PIER #2 |  | PIER #3 |  |
|---------|--|---------|--|
| P2-1    |  | P3-1    |  |
| P2-2    |  | P3-2    |  |
| P2-3    |  | P3-3    |  |
| P2-4    |  | P3-4    |  |
| P2-5    |  | P3-5    |  |
| P2-6    |  | P3-6    |  |

**JUB**  
 J-U-B ENGINEERS, INC.  
 466 North 900 West  
 Kaysville, Utah 84037  
 Phone: 801.547.0393  
 Fax: 801.547.0397  
 www.jub.com

BID SET

3/13/2019

| NO. | REVISION | DESCRIPTION | BY | DATE |
|-----|----------|-------------|----|------|
|     |          |             |    |      |

WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 PEDESTRIAN BRIDGE  
 DRILLED PILE DETAILS

FILE: 65-15-107\_S-107  
 JUB PROJ. #: 65-15-107  
 DRAWN BY: JPL  
 DESIGN BY: SER  
 CHECKED BY: AWB  
 AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY  
 LAST UPDATED: 7/11/2019  
 SHEET NUMBER:  
**S-107**

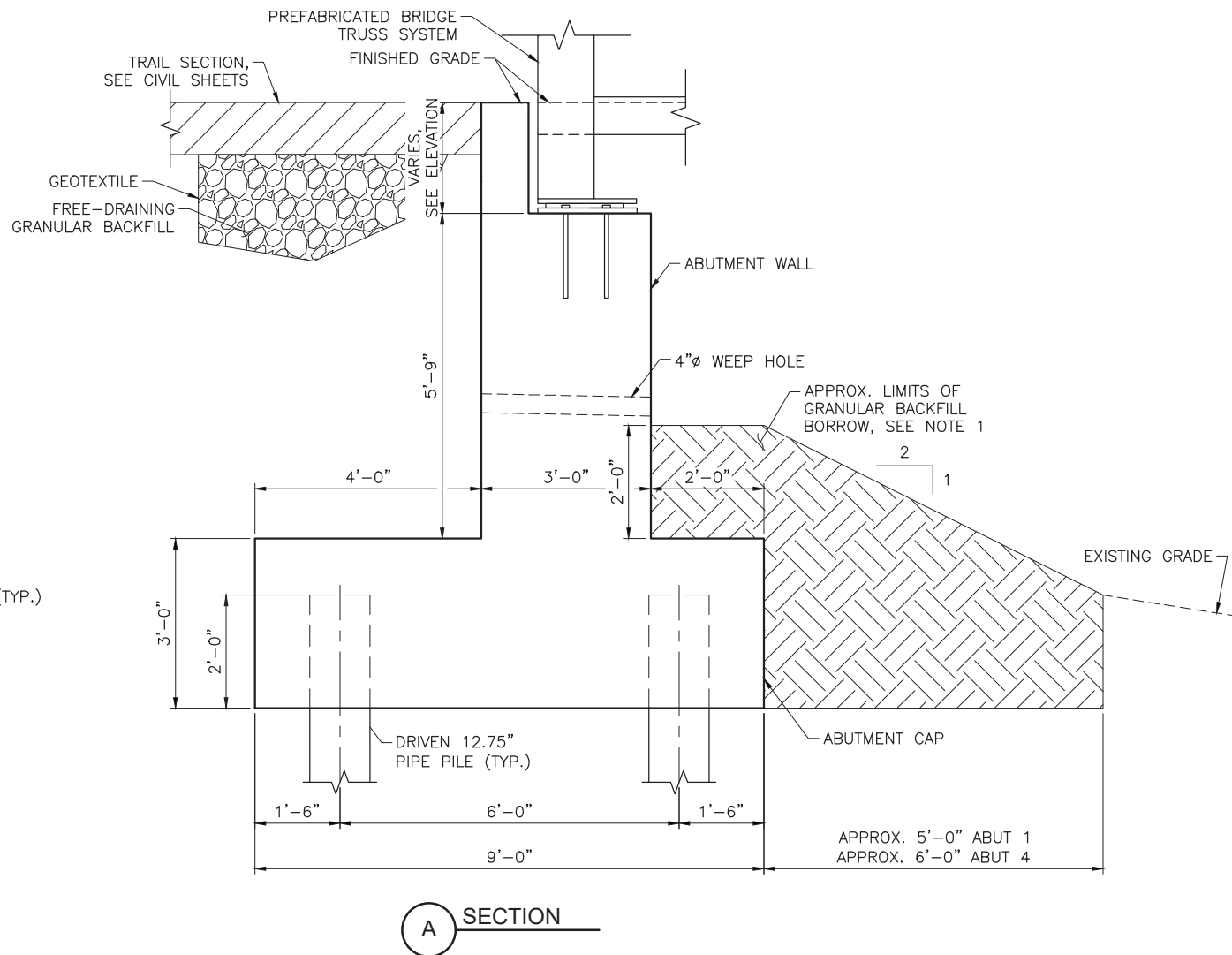
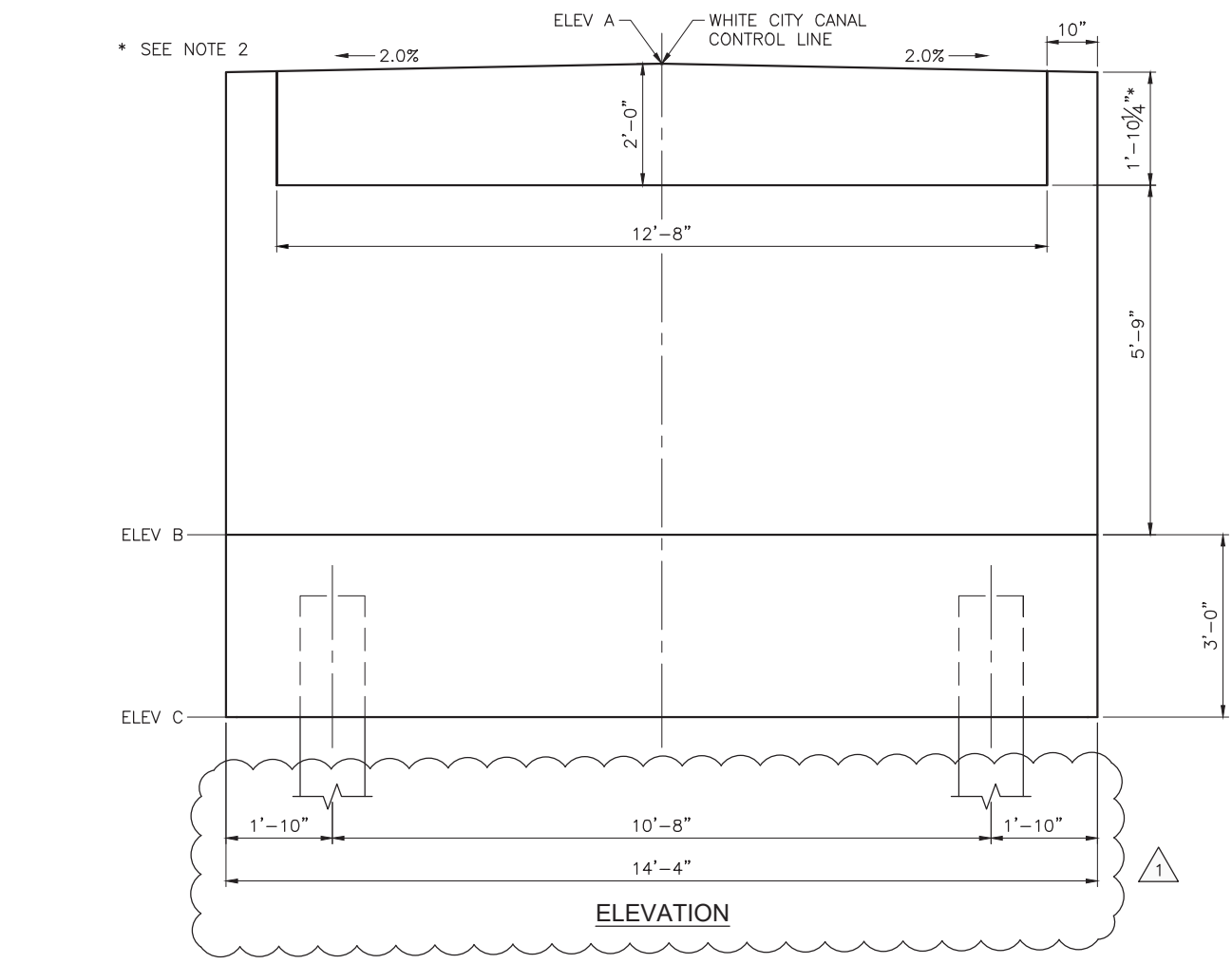
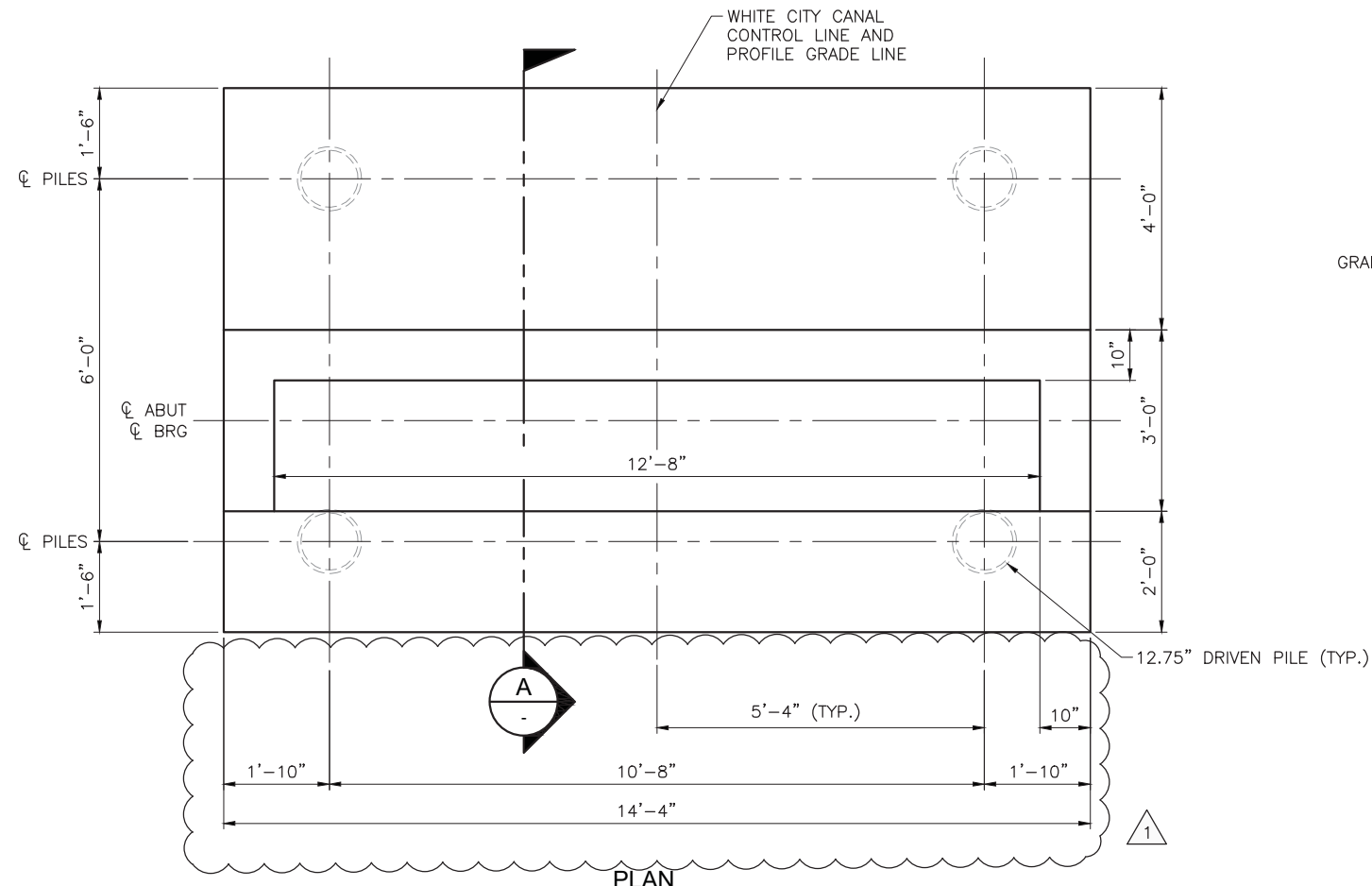
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 Date Created: 7/11/2019 11:02 AM, \LOGAN\PUBLIC\PROJECTS\JUB - KAYSVILLE OFFICE\65-15-107 - S-107.DWG

| NO.   | REVISION                                     | DATE            |
|---|--|-----------------|
| 1 <td>REVISED DIMENSIONS <td>ALL SER/7/10/19 </td></td> | REVISED DIMENSIONS <td>ALL SER/7/10/19 </td> | ALL SER/7/10/19 |
|   | DESCRIPTION <td>BY APRIL </td>               | BY APRIL        |

WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 PEDESTRIAN BRIDGE  
 ABUTMENT AND WINGWALL LAYOUT

FILE: 65-15-107\_S-108  
 JUB PROJ. #: 65-15-107  
 DRAWN BY: JPL  
 DESIGN BY: SER  
 CHECKED BY: AWB  
 ONE INCH  
 AT FULL SIZE, IF NOT ONE  
 INCH, SCALE ACCORDINGLY  
 LAST UPDATED: 7/11/2019

SHEET NUMBER:  
**S-108**

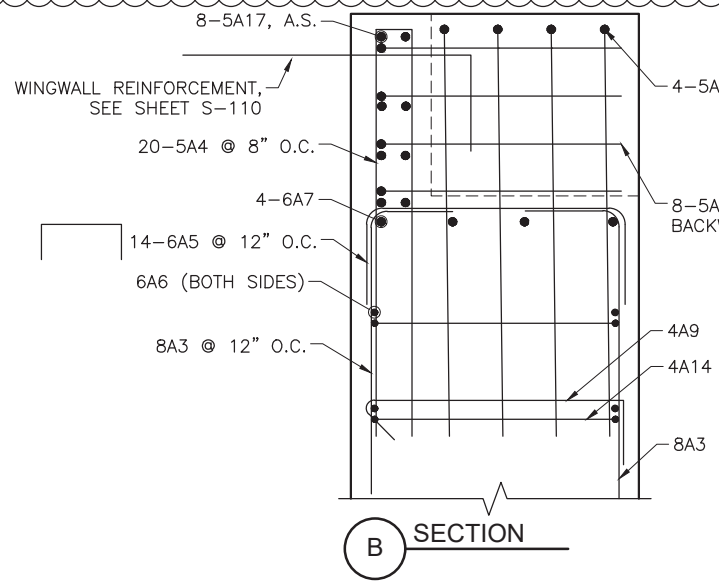
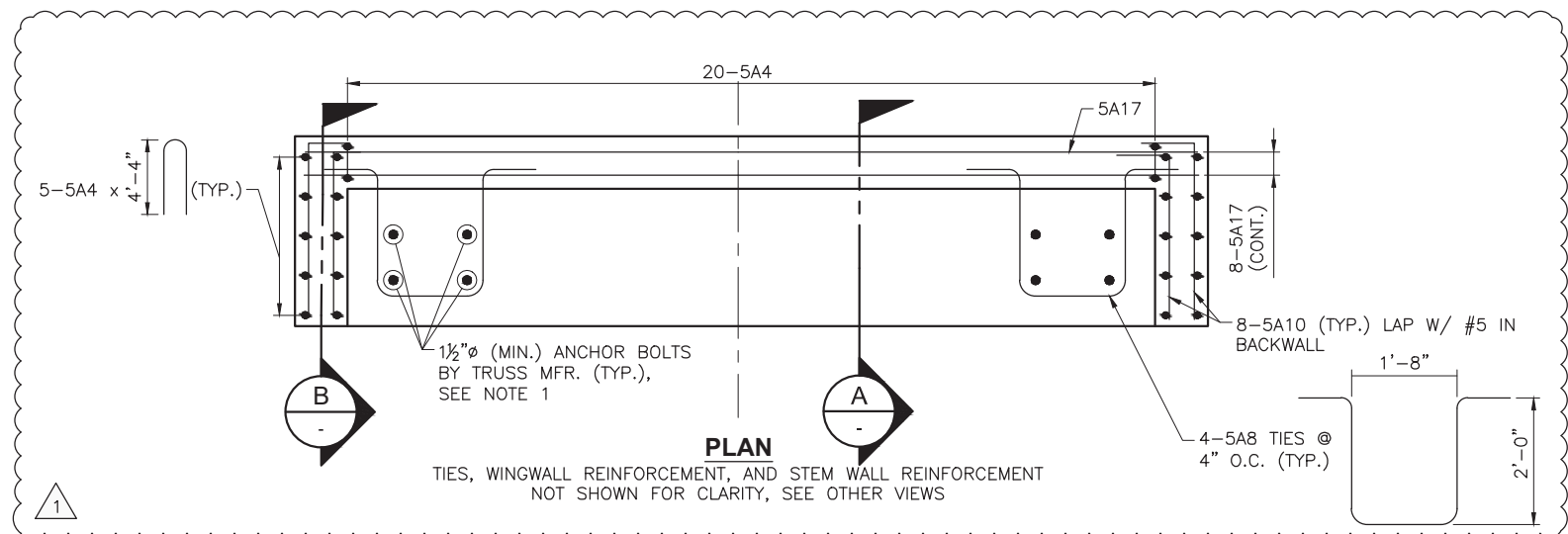
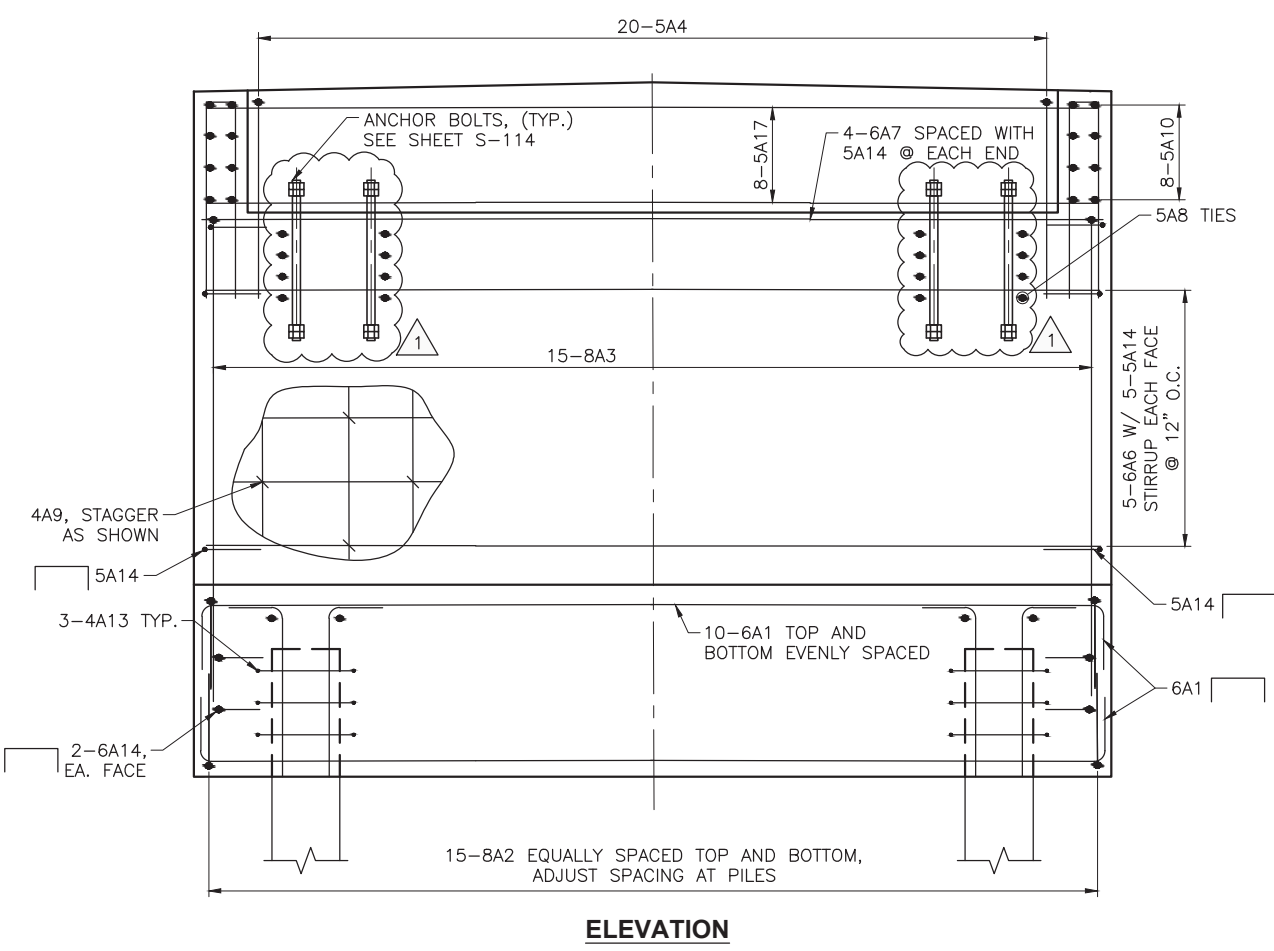
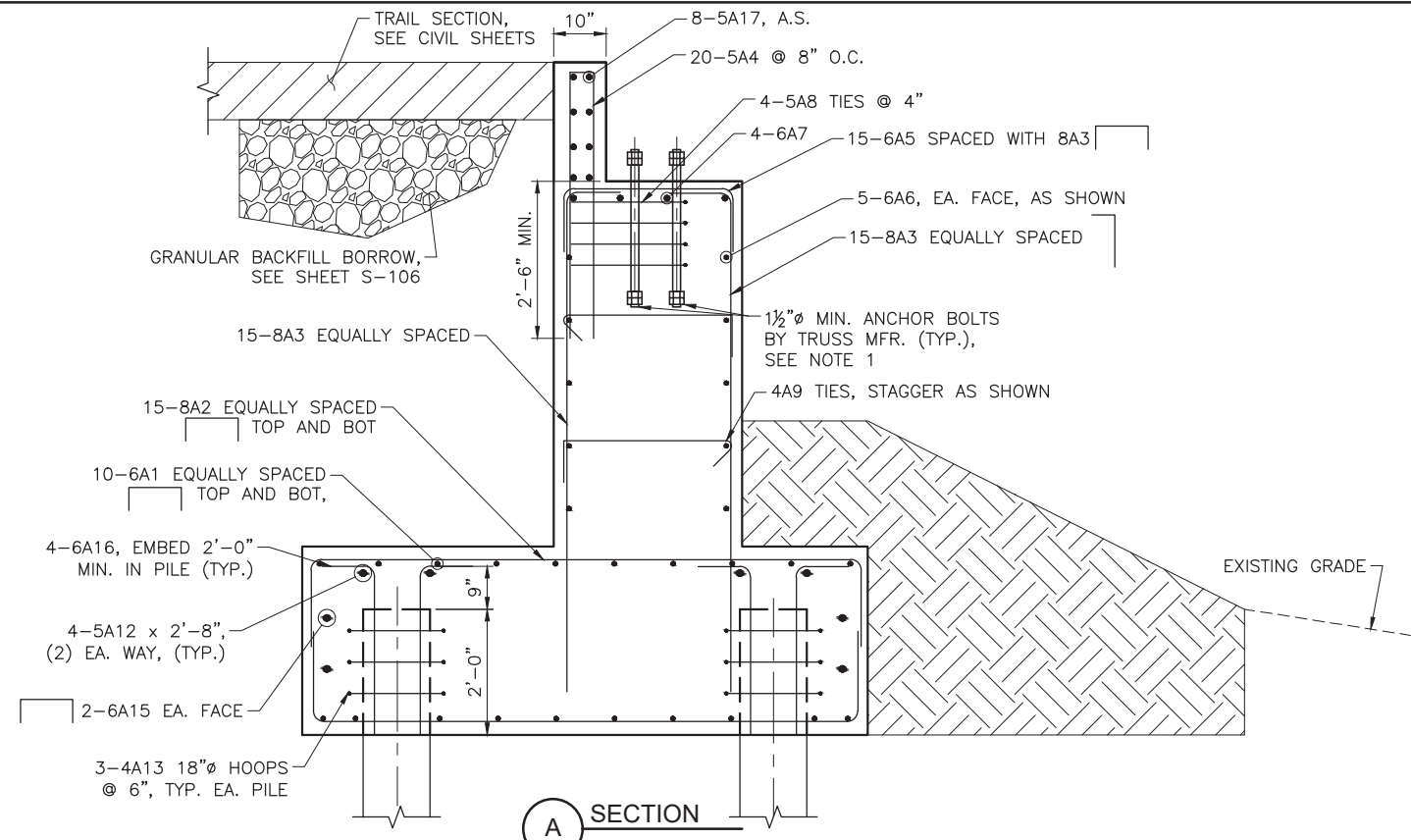
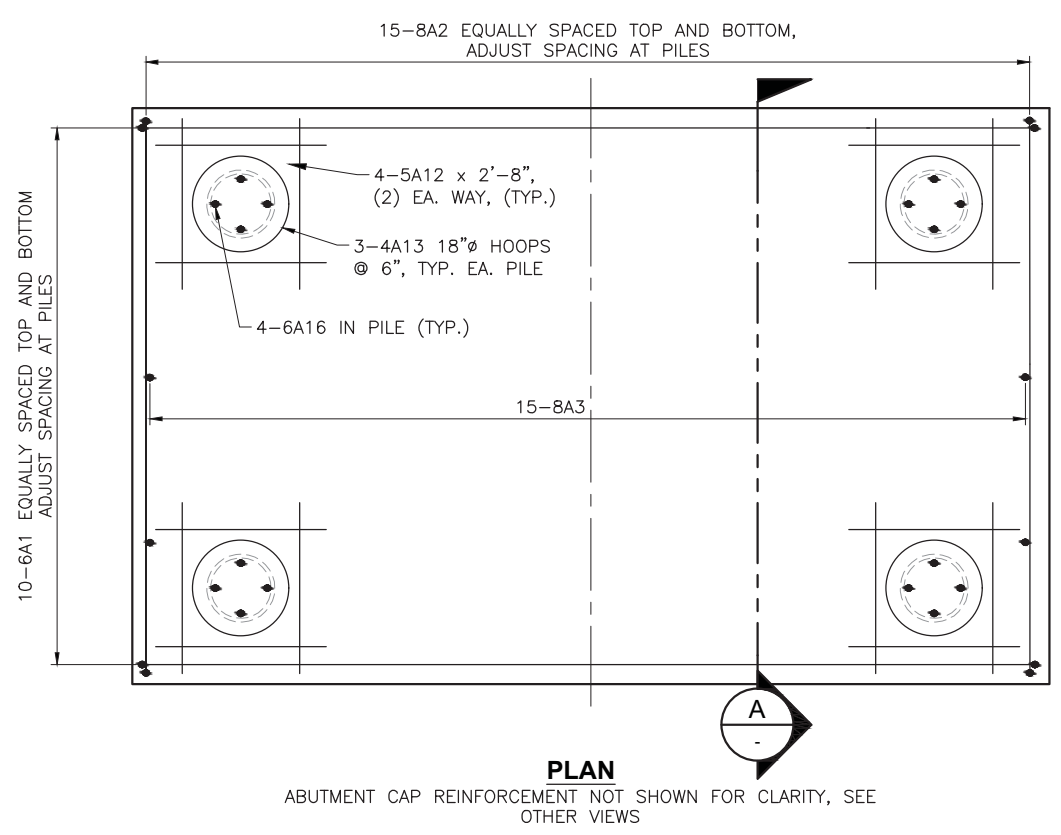


NOTES:  
 1. LIMITS OF GRANULAR BACKFILL IN FRONT OF ABUTMENTS ARE TO BE EXTENDED AS SHOWN UNTIL MATCHING EXISTING GRADE. APPROXIMATE LIMITS ARE SHOWN.

| ABUTMENT ELEVATIONS |         |         |         |
|---------------------|---------|---------|---------|
| LOCATION            | ELEV A  | ELEV B  | ELEV C  |
| ABUTMENT 1          | 4549.47 | 4541.72 | 4538.72 |
| ABUTMENT 4          | 4551.19 | 4543.44 | 4540.44 |

Plot Date: 7/11/2019 8:50 AM, Plotted By: Adam Lambert  
 Date Created: 7/10/2019 10:00 AM, Project: PROJECTS\JUB, KAYSVILLE OFFICE: 65-15-107, WHITE CITY CANAL CAD SHEET\STRUCTURAL\65-15-107\_S-108.DWG

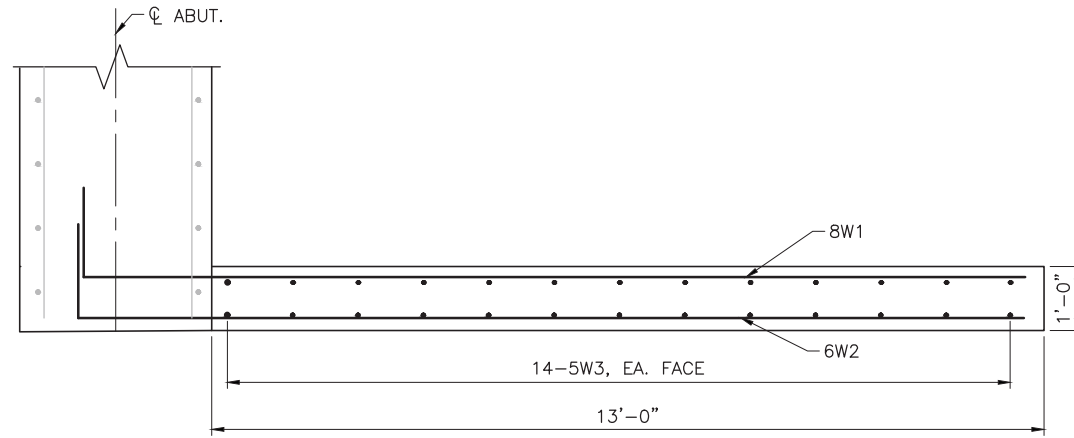
| NO. | REVISION                     | DATE        |
|-----|------------------------------|-------------|
| 1   | CONTECH SHOP DRAWINGS UPDATE | MRRSER/2019 |
|     | DESCRIPTION                  | BY APR.     |



**NOTES:**  
 1. ANCHOR BOLT LOCATION, SIZE AND EMBEDMENT PER DESIGN OF CONTRACTOR SUPPLIED BRIDGE. PROVIDE ANCHOR BOLTS OF NOT LESS THAN 1 1/2" DIAMETER AND NOT LESS THAN 2'-0" EMBEDMENT.

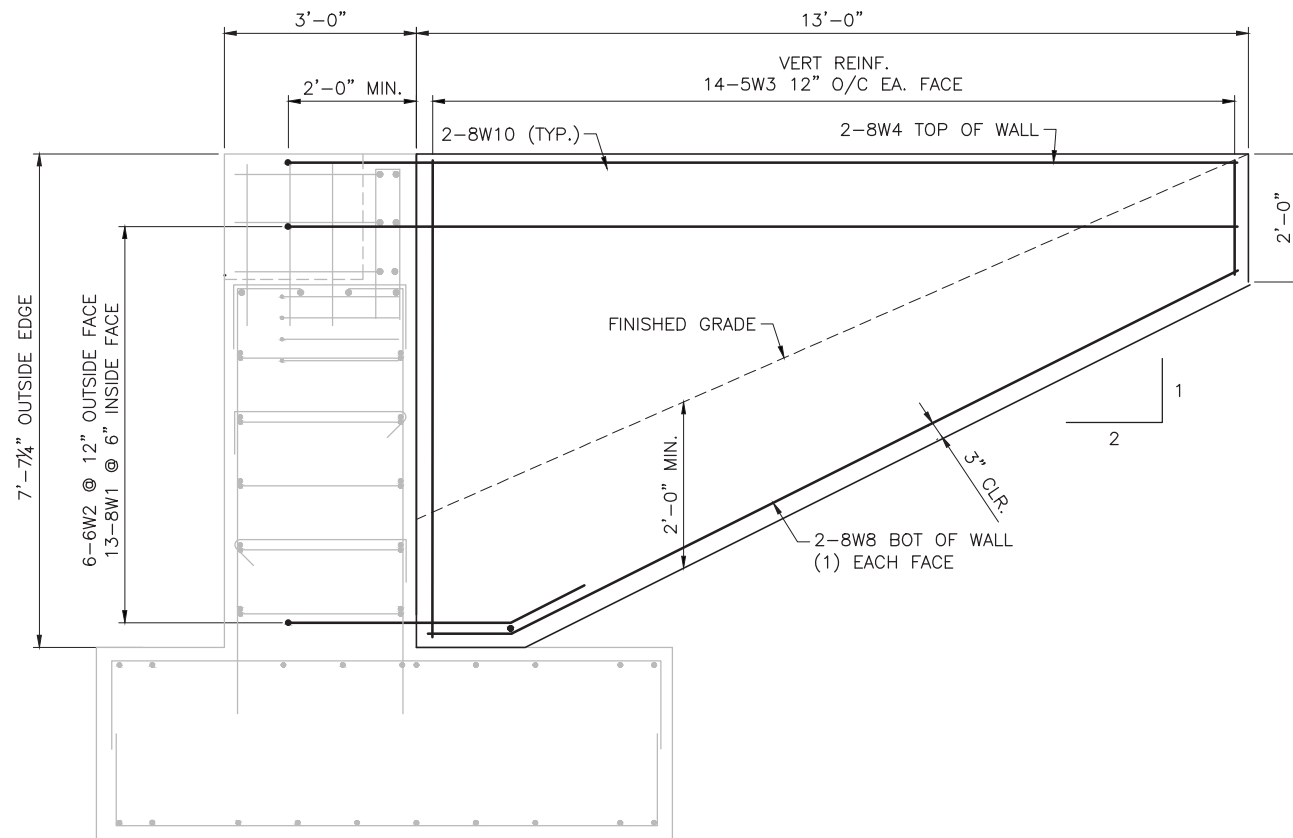
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 Date Created: 3/13/2019 11:00 AM, Project: S-109, File: S-109.DWG, Path: \\LOGAN\PUBLIC\PROJECTS\JUB, KAYSVILLE OFFICE: 65-15-107, WHITE CITY CANAL CAD SHEET STRUCTURAL: 65-15-107, S-109.DWG

Plot Date: 7/11/2019 8:50 AM, Plotted By: Adam Lambert  
 Date Created: 3/14/2019, \LOGAN\PUBLIC\PROJECTS\JUB, KAYSVILLE OFFICE\55-15-107, WHITE CITY CANAL\CAD\SHEET\STRUCTURAL\55-15-107-S-110.DWG

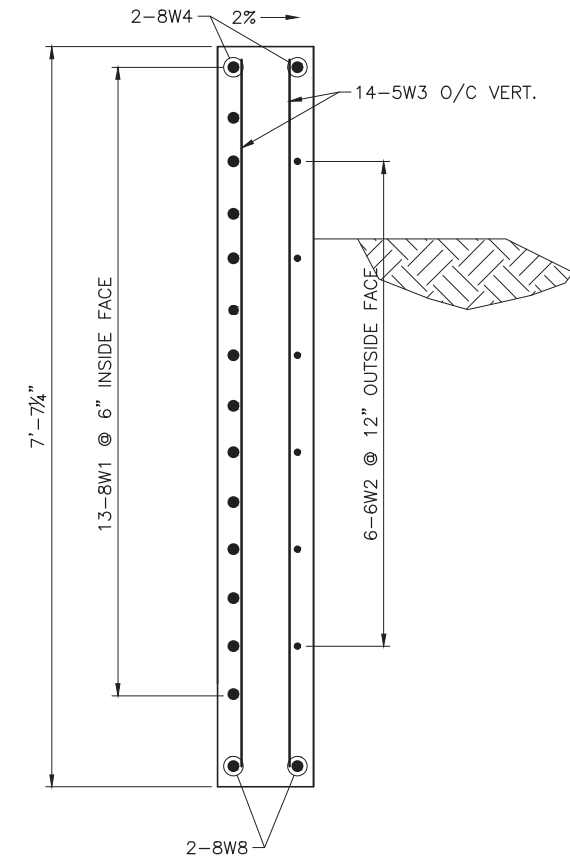


**WINGWALL PLAN**

NE WINGWALL SHOWN, SW WINGWALL SIMILAR BY ROTATION,  
NW AND SE WINGWALLS SIMILAR BY OPPOSITE HAND



**WINGWALL ELEVATION**



**A TYPICAL SECTION**  
TYPICAL ALL WINGWALLS



J-U-B ENGINEERS, INC.

J-U-B ENGINEERS, INC.  
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BID SET



3/13/2019

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| NO. | REVISION | DESCRIPTION | BY | APPR. | DATE |
|-----|----------|-------------|----|-------|------|
|     |          |             |    |       |      |

WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH

PEDESTRIAN BRIDGE  
WINGWALL DETAILS

FILE: 55-15-107-S-110  
JUB PROJ. #: 55-15-107  
DRAWN BY: JPL  
DESIGN BY: SER  
CHECKED BY: AWB

ONE INCH  
AT FULL SIZE, IF NOT ONE  
INCH, SCALE ACCORDINGLY  
LAST UPDATED: 3/13/2019

SHEET NUMBER:

**S-110**

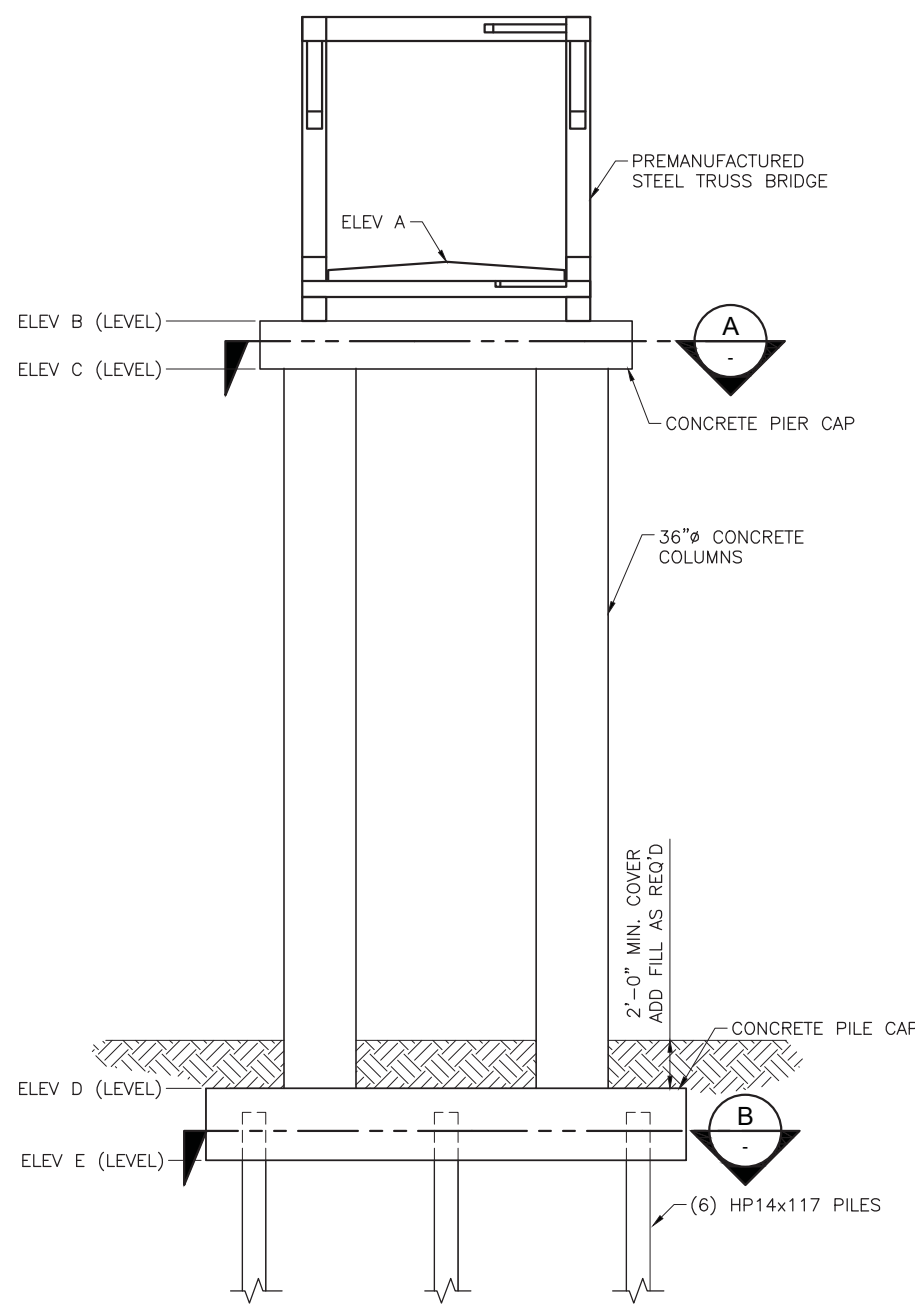


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| NO. | REVISION                 | DATE            |
|-----|--------------------------|-----------------|
| 1   | PER CONTECH SHOP DRAWING | ALL SER 7/10/19 |
|     | DESCRIPTION              | BY              |

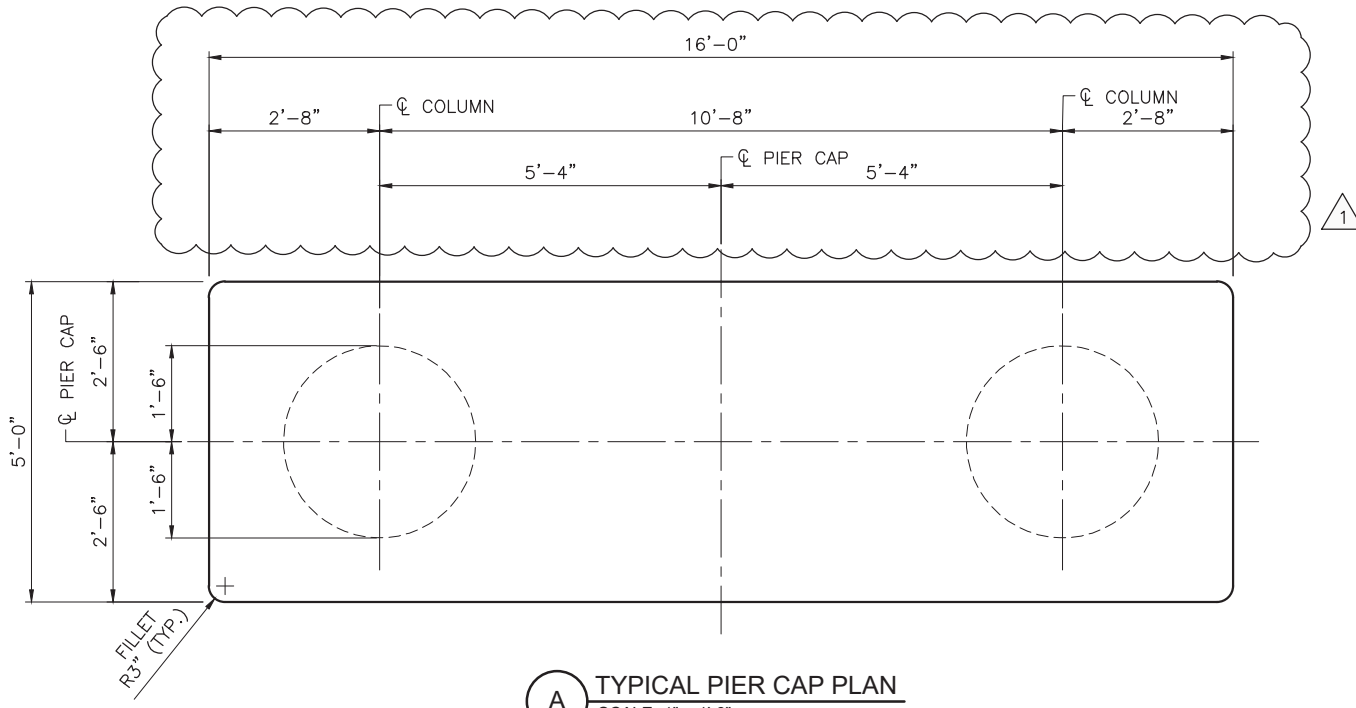
WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 PEDESTRIAN BRIDGE  
 PIER LAYOUT

|   |                  |
|---|------------------|
| FILE :  | 65-15-107_S-111X |
| JUB PROJ. # :   | 65-15-107        |
| DRAWN BY :  | JPL              |
| DESIGN BY :   | SER              |
| CHECKED BY :  | AWB              |
| ONE INCH<br>AT FULL SIZE, IF NOT ONE<br>INCH, SCALE ACCORDINGLY |                  |
| LAST UPDATED: 7/11/2019   |                  |
| SHEET NUMBER:<br><b>S-111</b>                                   |                  |

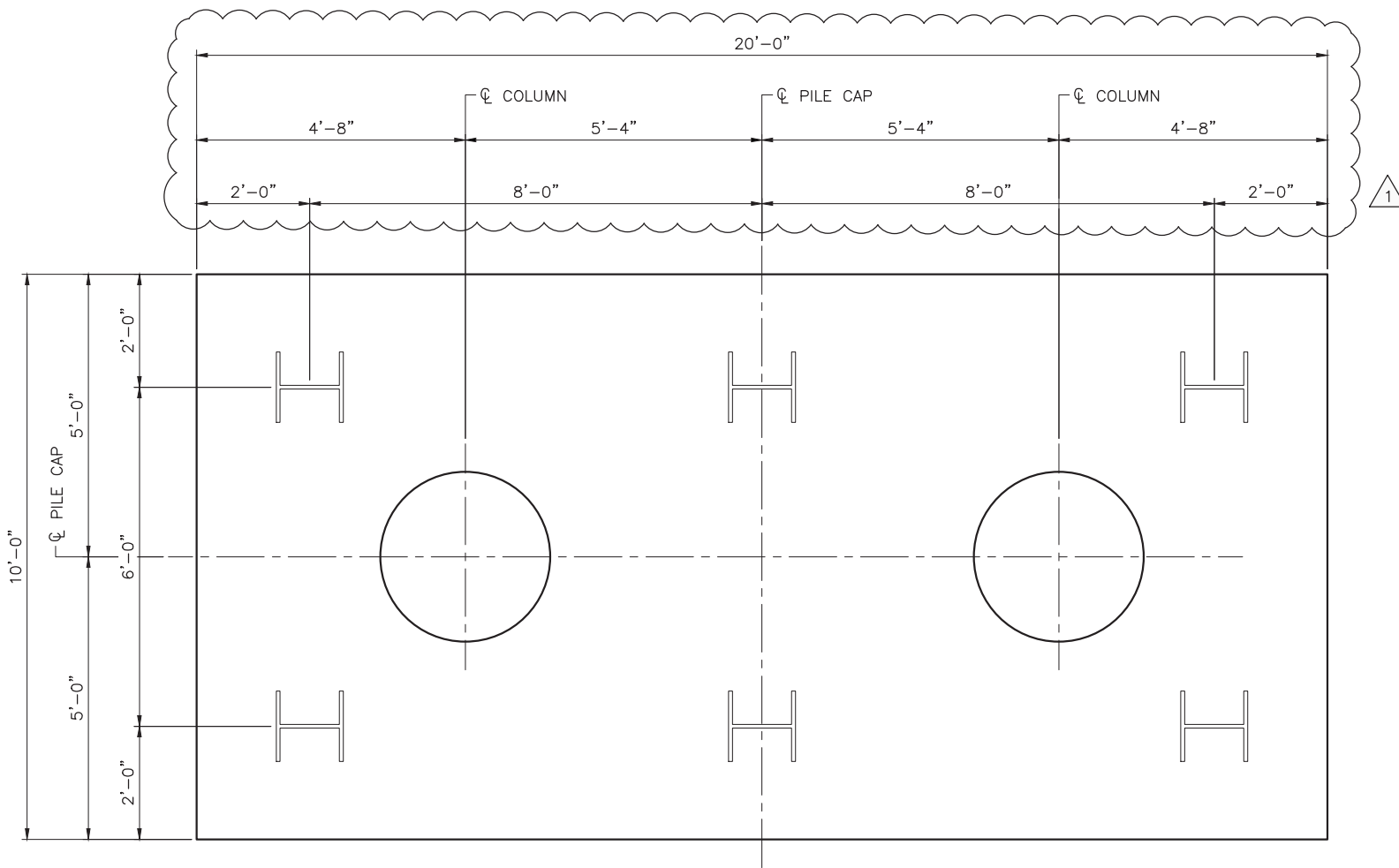


| PIER ELEVATIONS |         |         |         |         |         |
|-----------------|---------|---------|---------|---------|---------|
|                 | ELEV A  | ELEV B  | ELEV C  | ELEV D  | ELEV E  |
| Ø PIER 2        | 4549.99 | 4547.99 | 4544.99 | 4508.83 | 4505.33 |
| Ø PIER 3        | 4550.67 | 4548.67 | 4545.67 | 4503.65 | 4500.15 |

- NOTES:
- CONCRETE FOR COLUMNS IS TO HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH,  $f'_c = 4,000$  PSI.
  - CONCRETE FOR PIER CAP AND PILE CAP IS TO HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH,  $f'_c = 5,000$  PSI.
  - ELEVATION B AND ELEVATION C ARE BASED ON ASSUMED TRUSS DIMENSIONS AND ARE SUBJECT TO CHANGE.



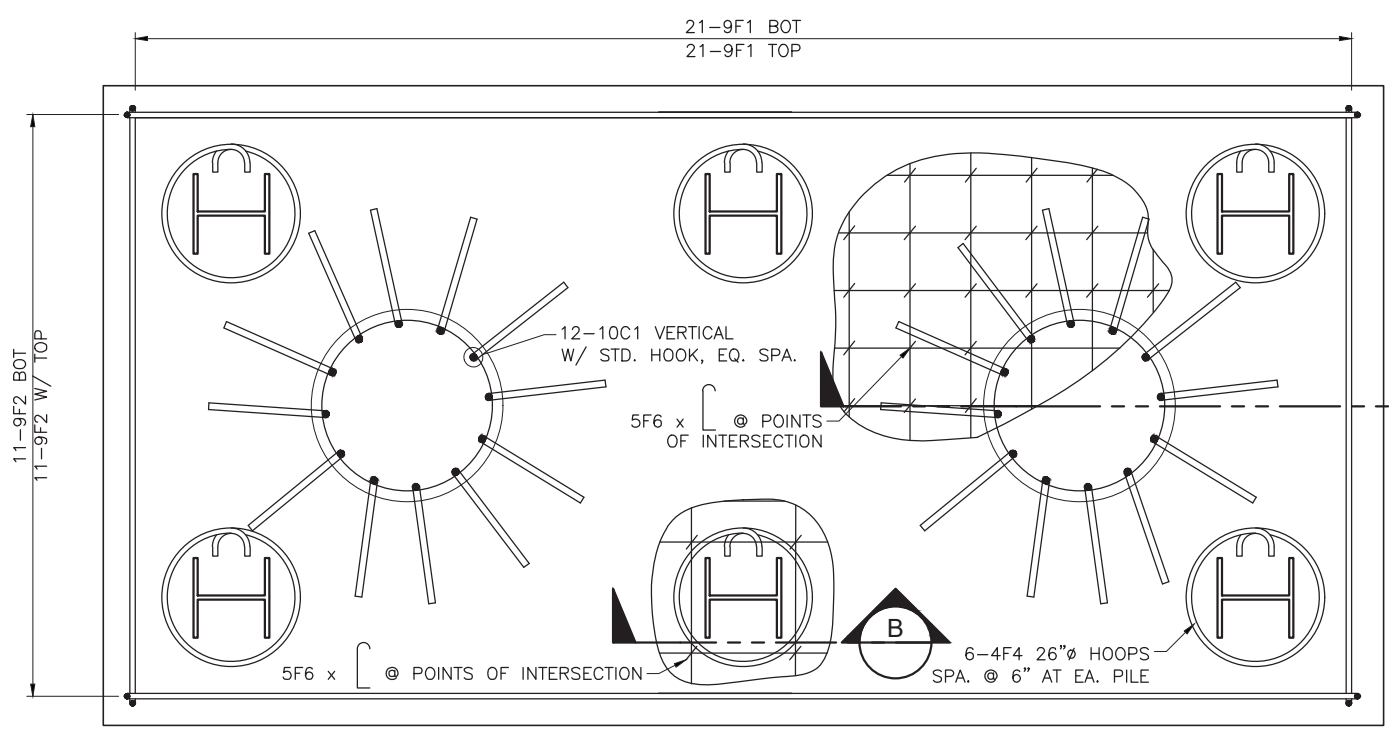
**A** TYPICAL PIER CAP PLAN  
 SCALE: 1" = 1'-6"



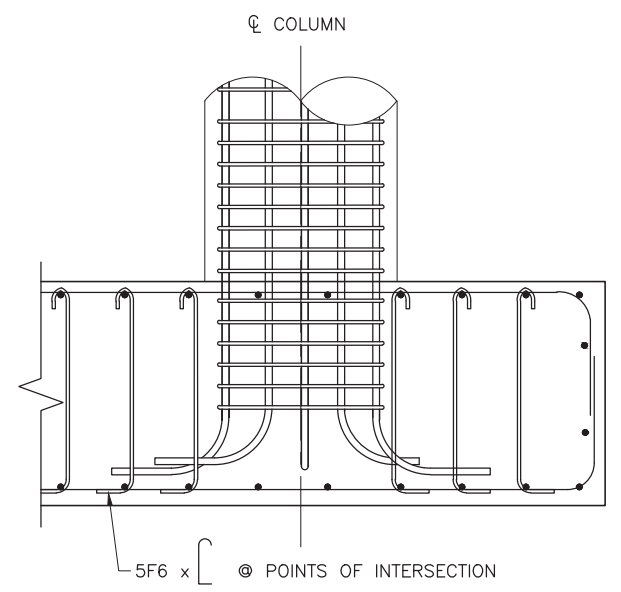
**B** TYPICAL PILE CAP PLAN  
 SCALE: 1" = 1'-6"

| NO. | REVISION | DESCRIPTION | BY | DATE |
|-----|----------|-------------|----|------|
|     |          |             |    |      |
|     |          |             |    |      |
|     |          |             |    |      |

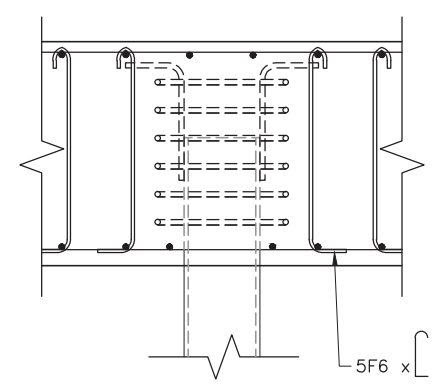
WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 PEDESTRIAN BRIDGE  
 PIER PILE CAP DETAILS



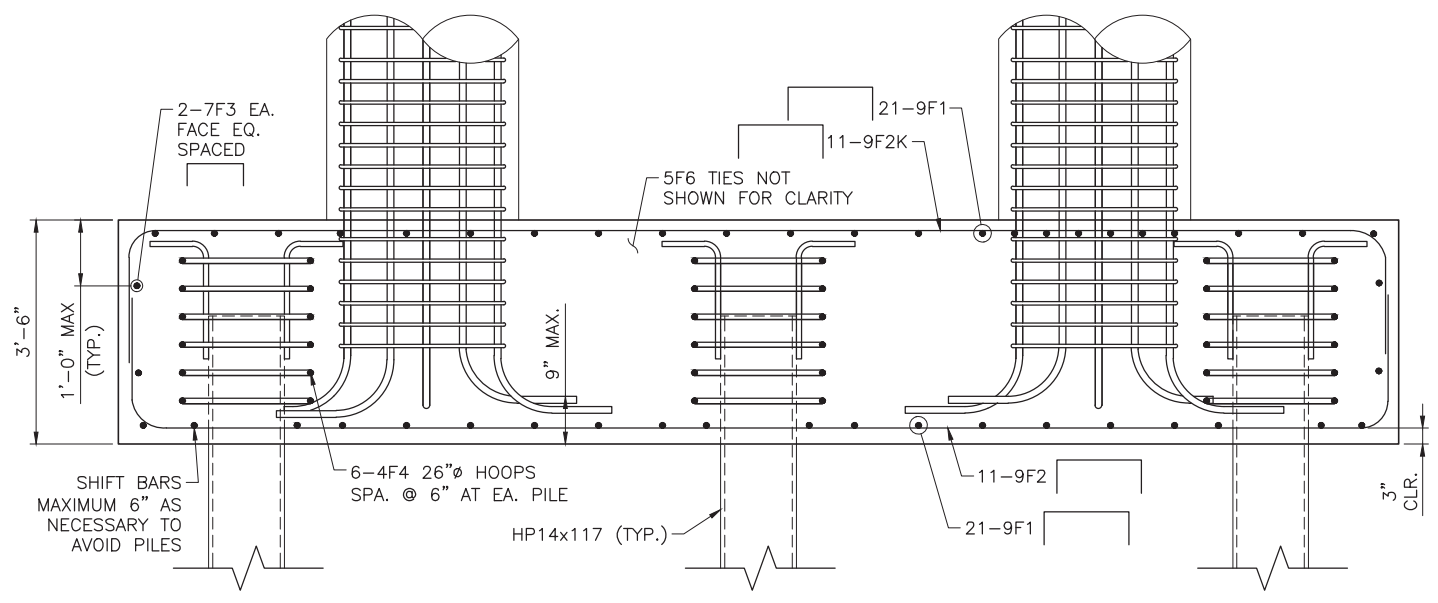
**1 PILE CAP REINFORCEMENT PLAN**  
 SCALE: 1" = 1'-6"



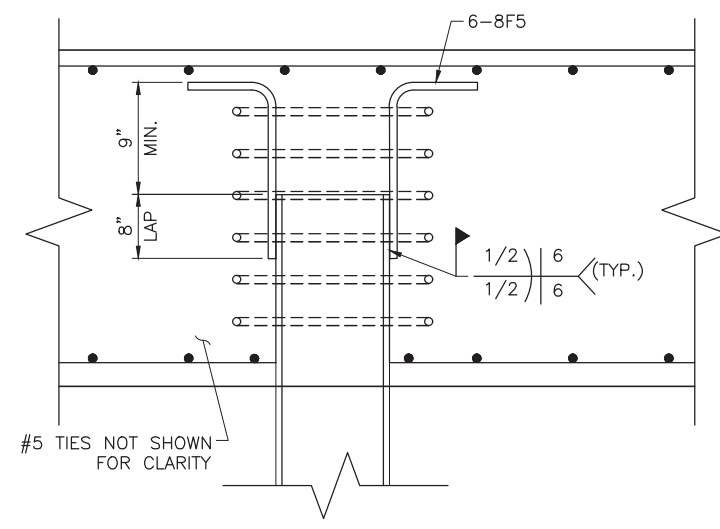
**A SECTION**  
 SCALE: 1" = 1'-6"



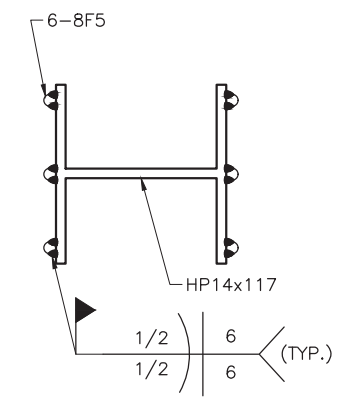
**B SECTION**  
 SCALE: 1" = 1'-6"



**2 PILE CAP REINFORCEMENT ELEVATION**  
 SCALE: 1" = 1'-6"



**SECTION**



**PLAN**

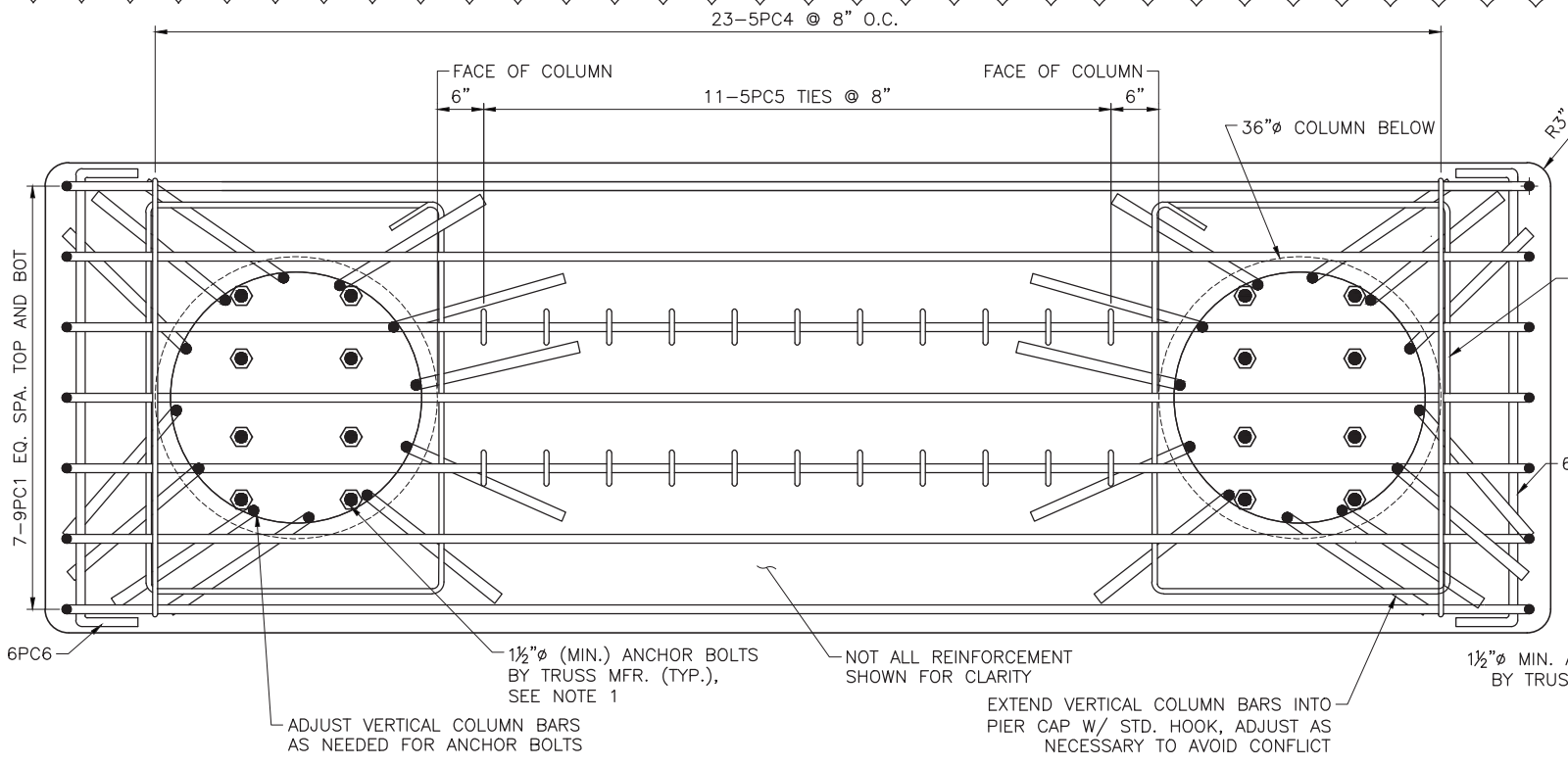
**3 WELDED REINFORCEMENT DETAIL**

- NOTES:**
- 1) REINFORCEMENT WELDED TO STRUCTURAL STEEL SHALL BE UNCOATED BARS CONFORMING TO ASTM A706, GRADE 60.
  - 2) WELDING OF REINFORCEMENT IS TO BE PERFORMED IN ACCORDANCE WITH AWS D1.4/D1.4M, & AASHTO/AWS D1.5/D1.5M. SUBMIT AWS WELDER CERTIFICATION PRIOR TO CONSTRUCTION.
  - 3) MATERIALS AND LABOR REQUIRED FOR REINFORCEMENT WELDED TO THE PILES WILL BE INCLUDED IN THE COST OF "DRIVEN PILES HP14x117." NO SEPARATE PAYMENT WILL BE MADE.

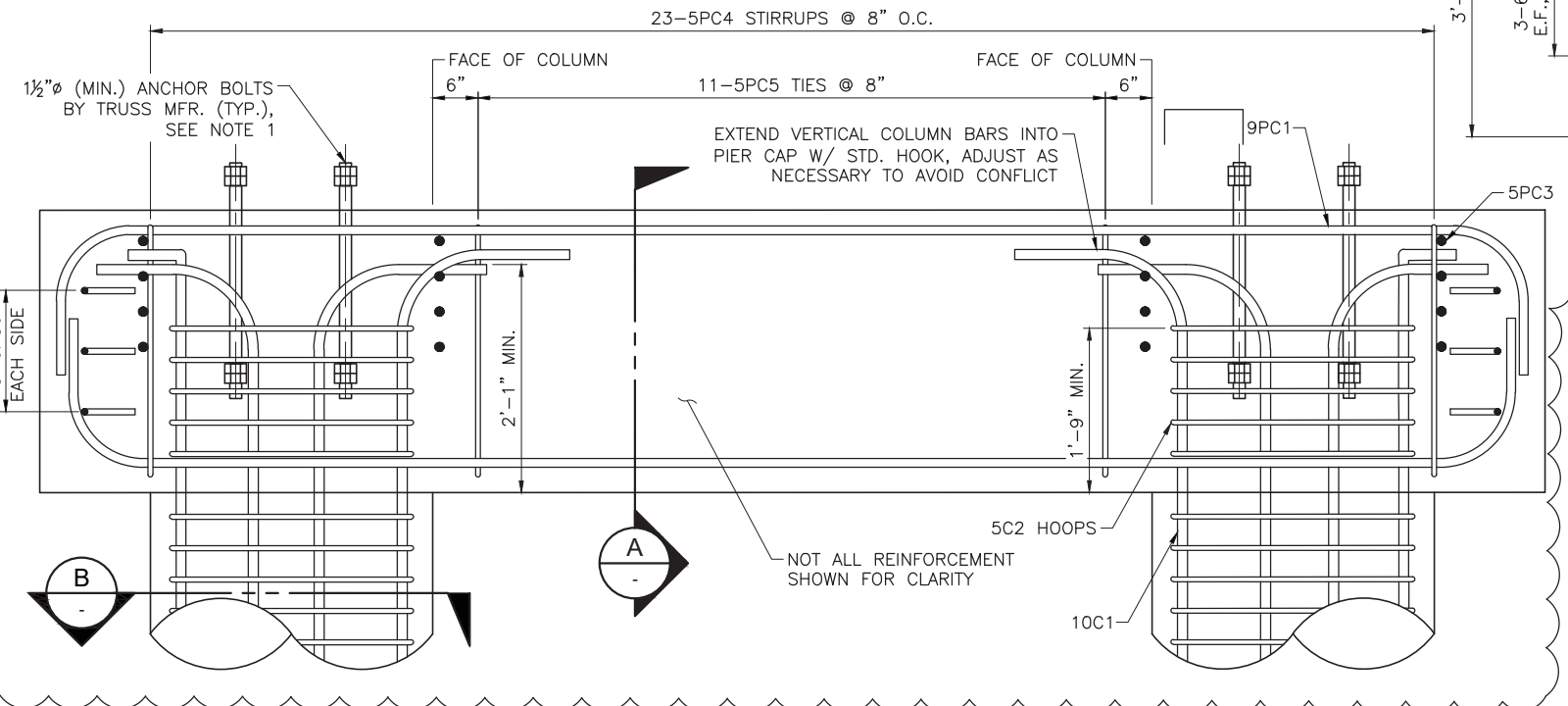
Plot Date: 7/11/2019 8:50 AM, Plotted By: Adam Lambert  
 Date Created: 7/10/2019 11:02:00 AM, Project: LOGAN PUBLIC PROJECTS (SUB), KAYSVILLE OFFICE: 55-15-107, WHITE CITY CANAL CAD SHEET (STRUCTURAL) 55-15-107\_S-111X.DWG

| NO. | REVISION                     | DATE         |
|-----|------------------------------|--------------|
| 1   | CONTECH SHOP DRAWINGS UPDATE | MAR/SER/2019 |

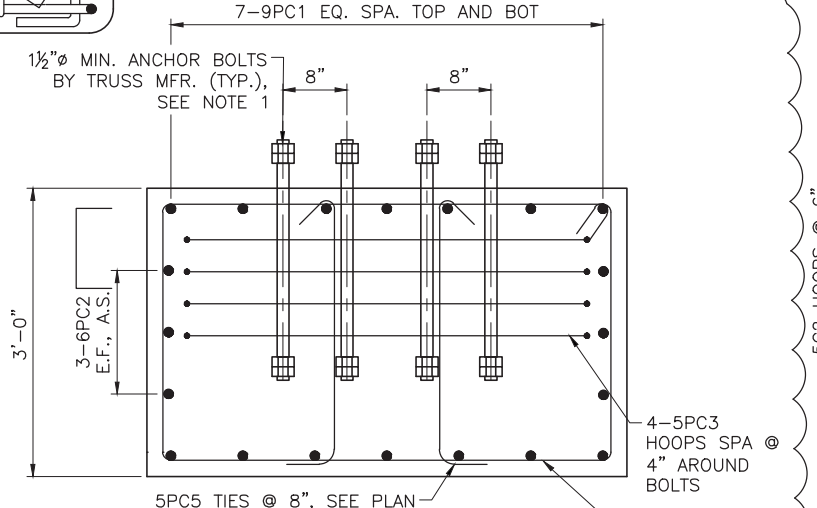
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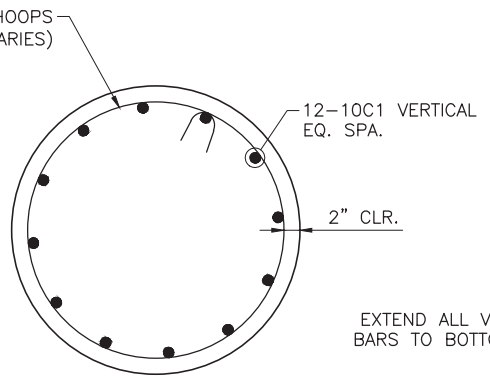
**1 PIER CAP REINFORCEMENT PLAN**  
 SCALE: 1" = 1'-0"



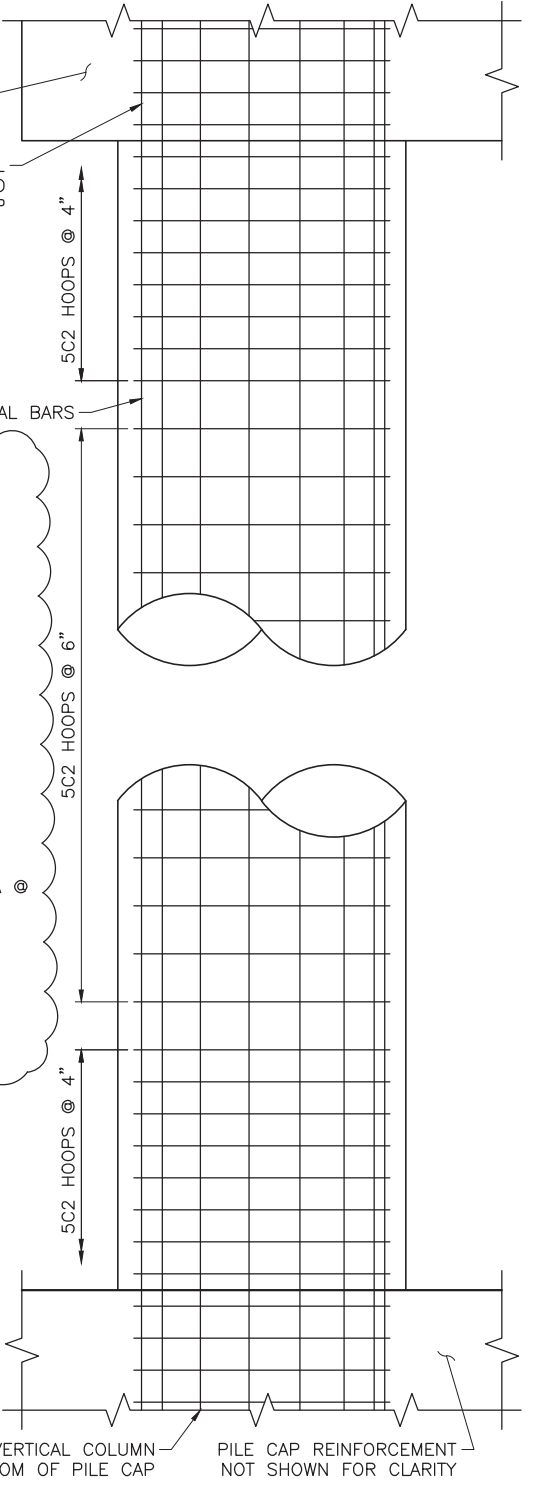
**2 PIER CAP REINFORCEMENT ELEVATION**  
 SCALE: 1" = 1'-0"



**A PIER CAP SECTION**  
 SCALE: 1" = 1'-0"



**B COLUMN SECTION**  
 SCALE: 1" = 1'-0"



**3 COLUMN ELEVATION**  
 SCALE: 1" = 1'-0"

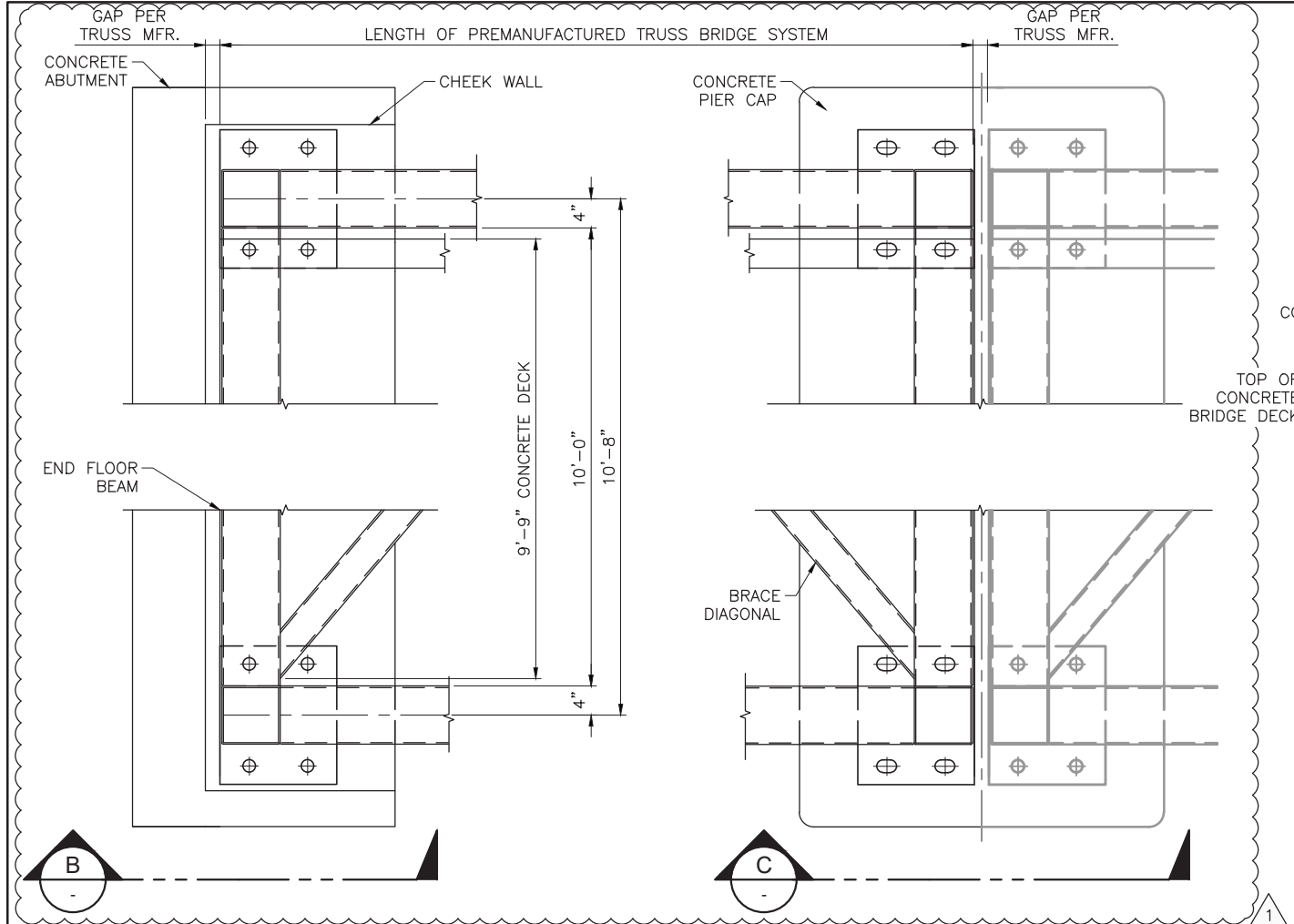
NOTES:  
 1. ANCHOR BOLT LOCATION, SIZE AND EMBEDMENT PER DESIGN OF CONTRACTOR SUPPLIED BRIDGE. PROVIDE ANCHOR BOLTS OF NOT LESS THAN 1/2" DIAMETER AND NOT LESS THAN 2'-0" EMBEDMENT.

Plot Date: 7/11/2019 9:28 AM, Plotted By: Adam Lambert  
 Date Created: 7/10/2019 10:00 AM, Project: S:\LOGAN\PROJECTS\SUB\KAYSVILLE OFFICE\55-107\_S-111X.DWG

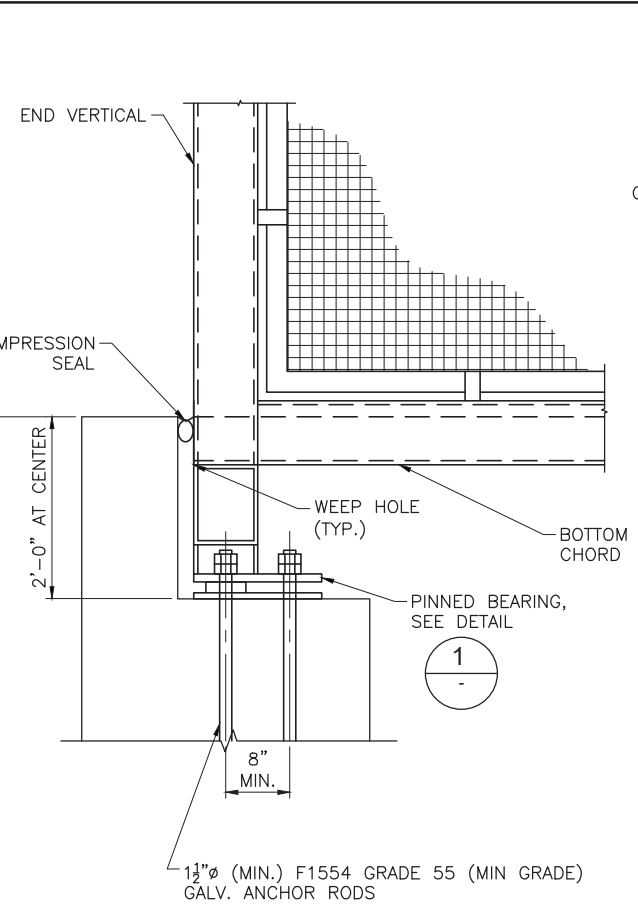
3/13/2019

| NO. | REVISION                     | DATE           |
|-----|------------------------------|----------------|
| 1   | CONTECH SHOP DRAWINGS UPDATE | MARRSER/7/1/19 |
|     | DESCRIPTION                  | BY APRIL       |

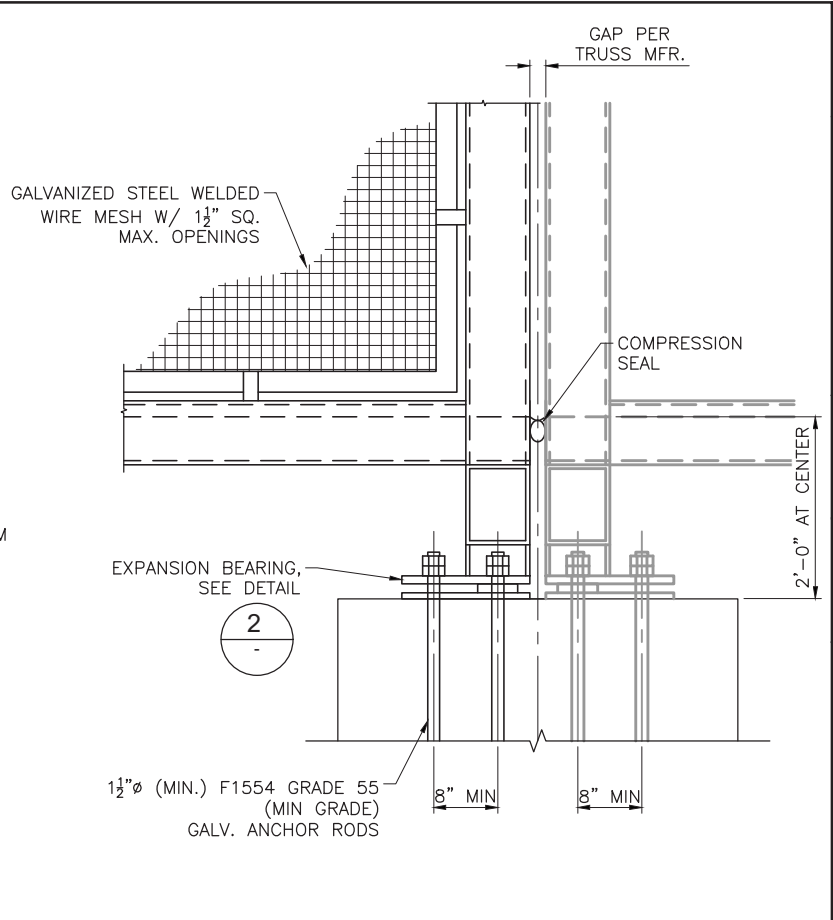
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**A PLAN VIEW - BEARING ASSEMBLY**



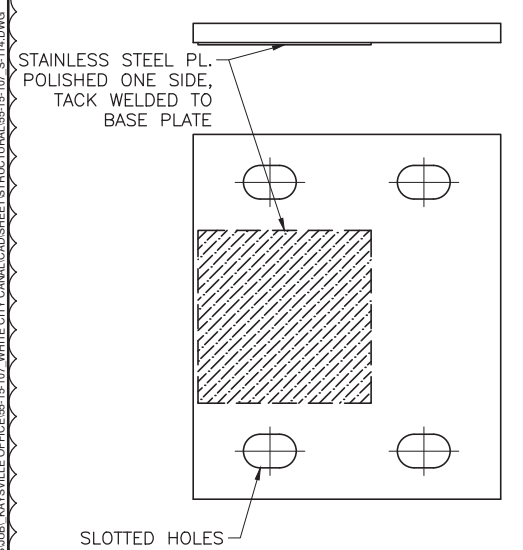
**B BEARING ASSEMBLY  
 PINNED BEARING**



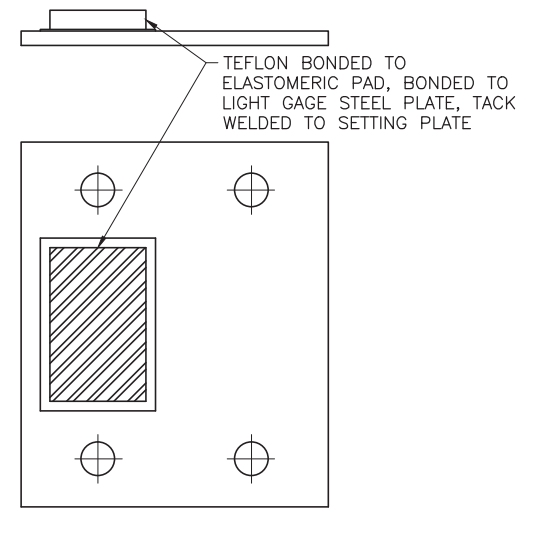
**C BEARING ASSEMBLY  
 EXPANSION BEARING**

**NOTES:**

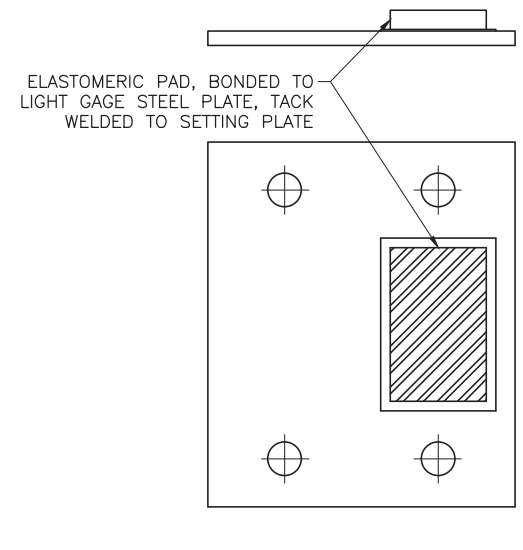
- SEE SHEET S-101 FOR LOCATIONS OF PINNED & EXPANSION BEARINGS.
- DESIGN AND CONSTRUCTION OF CONCRETE DECK ARE INCIDENTAL TO "PREFABRICATED STEEL TRUSS BRIDGE" ITEM AND NO SEPARATE PAYMENT WILL BE MADE.
- DETAILS ON THIS SHEET ARE SCHEMATIC. MINIMUM REQUIRED SIZES AND DIMENSIONS ARE TO BE VERIFIED BY THE DESIGN OF THE PREFABRICATED TRUSS SUPPLIER. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: ANCHOR BOLT SIZE, LOCATION, AND EMBEDMENT; DIMENSION OF BRIDGE LENGTH AND GAP BETWEEN BRIDGE SECTIONS; AND MATERIALS USED FOR BASE PLATE AND SETTING PLATE. SUBMIT ALL FOR REVIEW.



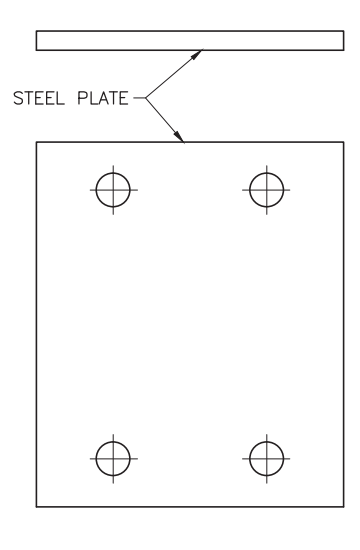
**BASE PLATE**



**SETTING PLATE**



**BASE PLATE**



**SETTING PLATE**

**1 EXP'N BEARING DETAIL  
 4 TOTAL (2 AS SHOWN & 2 OPPOSITE HAND)**

**2 PINNED BEARING DETAIL  
 8 TOTAL (4 AS SHOWN & 4 OPPOSITE HAND)**

Plot Date: 7/11/2019 8:50 AM, Plotted By: Adam Lambert  
 Date Created: 7/22/2019, U:\LOGAN\PUBLIC\PROJECTS\JUB\KAYSVILLE OFFICE\55-15-107 WHITE CITY CANAL CAD\DRAWING\STRUCTURAL\55-15-107 S-114.DWG



J-U-B ENGINEERS, INC.

J-U-B ENGINEERS, INC.  
466 North 900 West  
Kaysville, Utah 84037  
Phone: 801.547.0393  
Fax: 801.547.0397  
www.jub.com

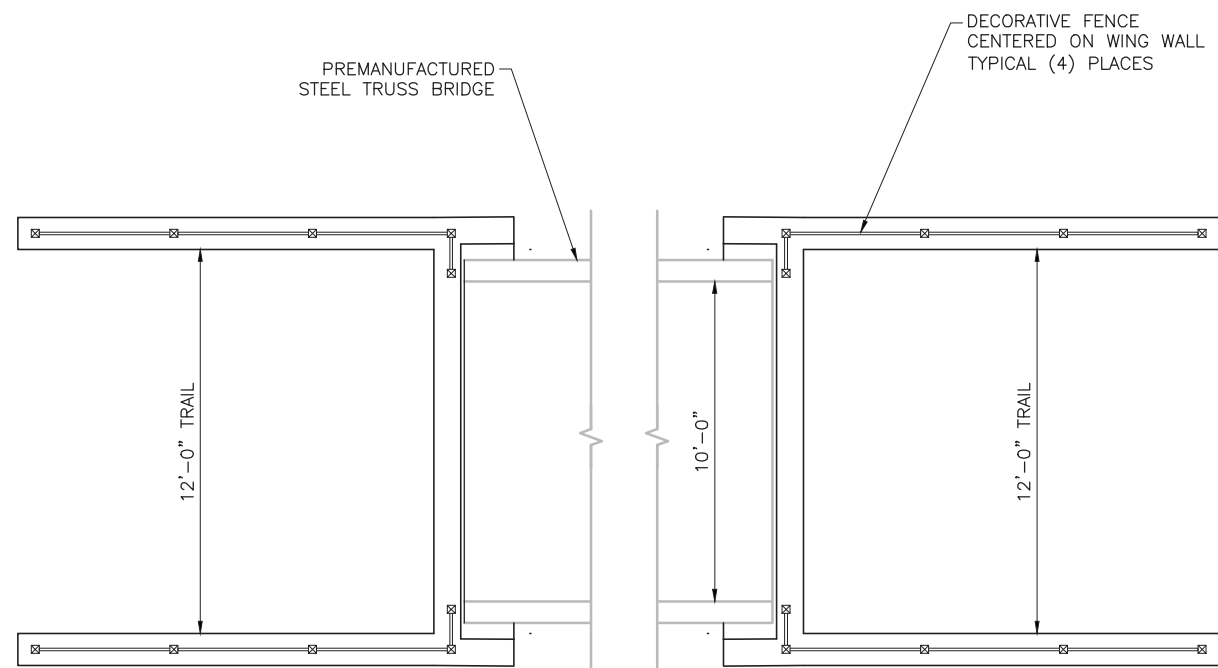
BID SET



3/13/2019

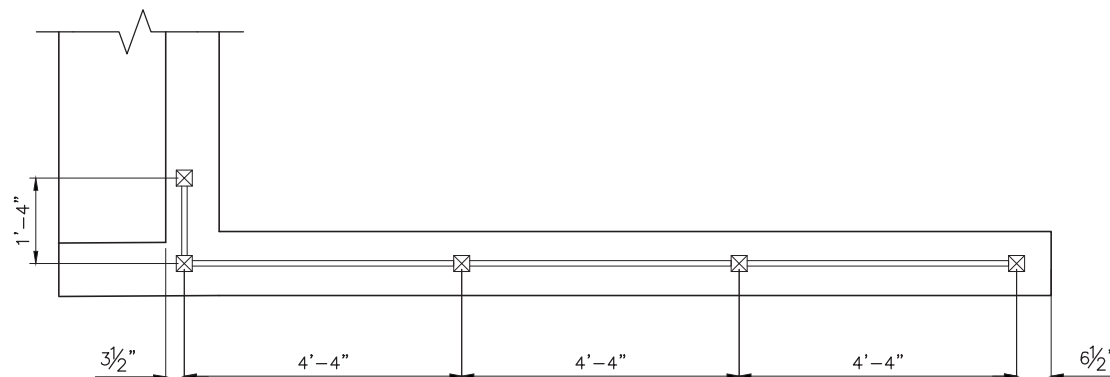
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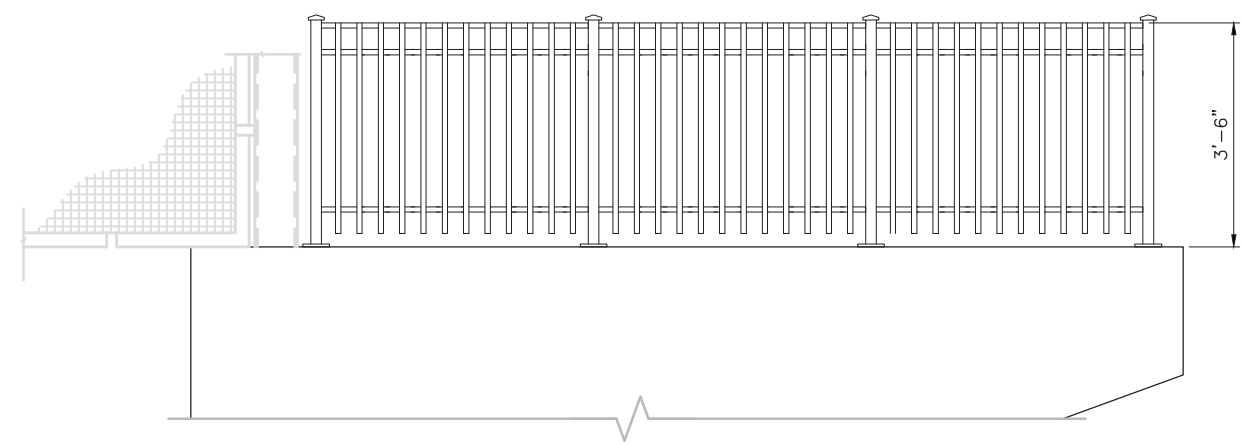


DECORATIVE FENCE LAYOUT PLAN

SCALE: 1"=3'



DECORATIVE FENCE PLAN



DECORATIVE FENCE ELEVATION

WHITE CITY CANAL TRAIL  
SALT LAKE COUNTY UTAH

PEDESTRIAN BRIDGE  
DECORATIVE FENCE DETAILS 1 OF 2

FILE: 65-15-107-S-115X  
 JUB PROJ. #: 65-15-107  
 DRAWN BY: JPL  
 DESIGN BY: SER  
 CHECKED BY: AWB

ONE INCH  
 AT FULL SIZE, IF NOT ONE  
 INCH, SCALE ACCORDINGLY

LAST UPDATED: 3/13/2019

SHEET NUMBER:

S-115

| NO. | REVISION | DESCRIPTION | BY | DATE |
|-----|----------|-------------|----|------|
|     |          |             |    |      |
|     |          |             |    |      |
|     |          |             |    |      |

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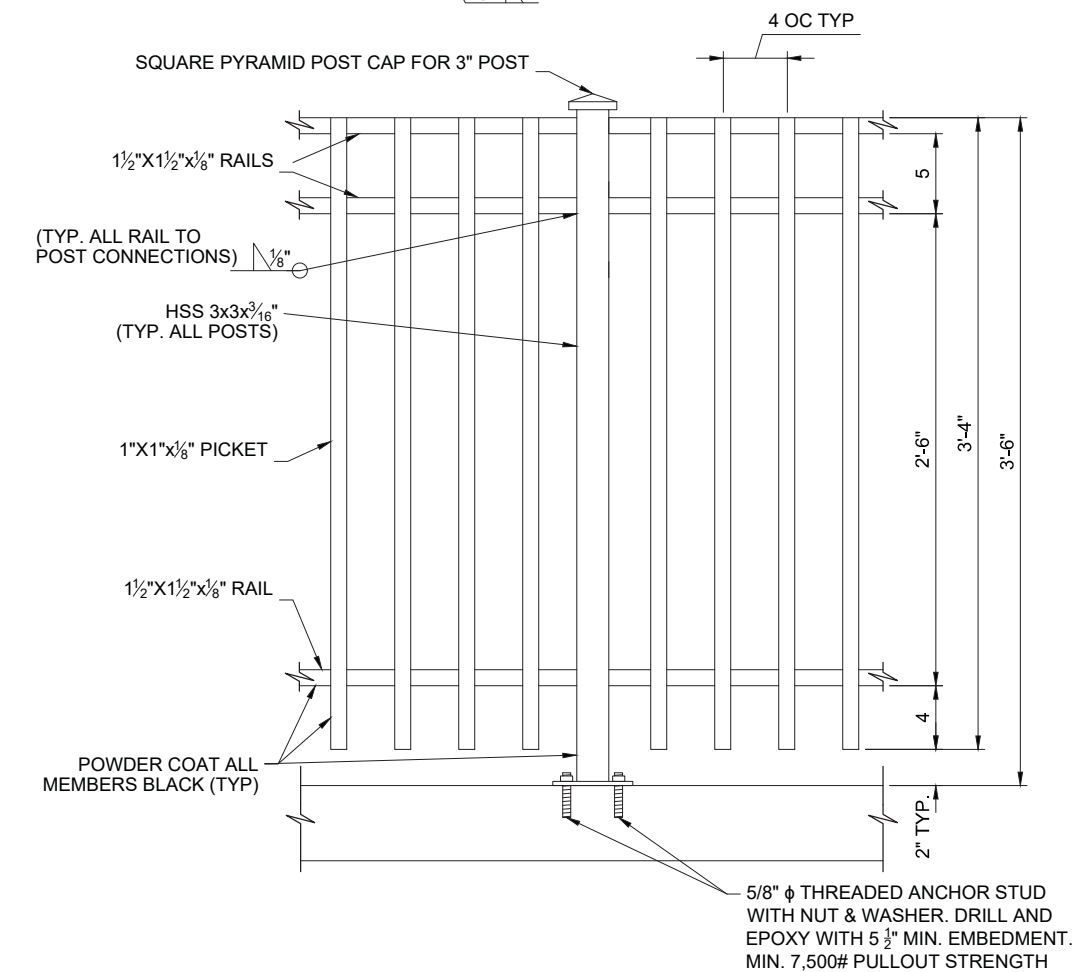
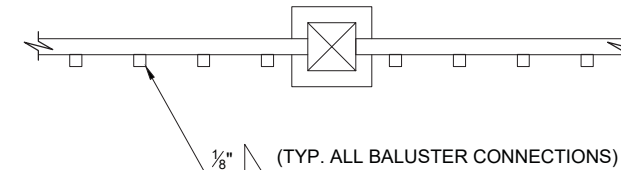
WHITE CITY CANAL TRAIL  
 SALT LAKE COUNTY UTAH  
 PEDESTRIAN BRIDGE  
 DECORATIVE FENCE DETAILS 2 OF 2

FILE: 55-15-107-S-115X  
 JUB PROJ #: 55-15-107  
 DRAWN BY: JPL  
 DESIGN BY: SER  
 CHECKED BY: AWB

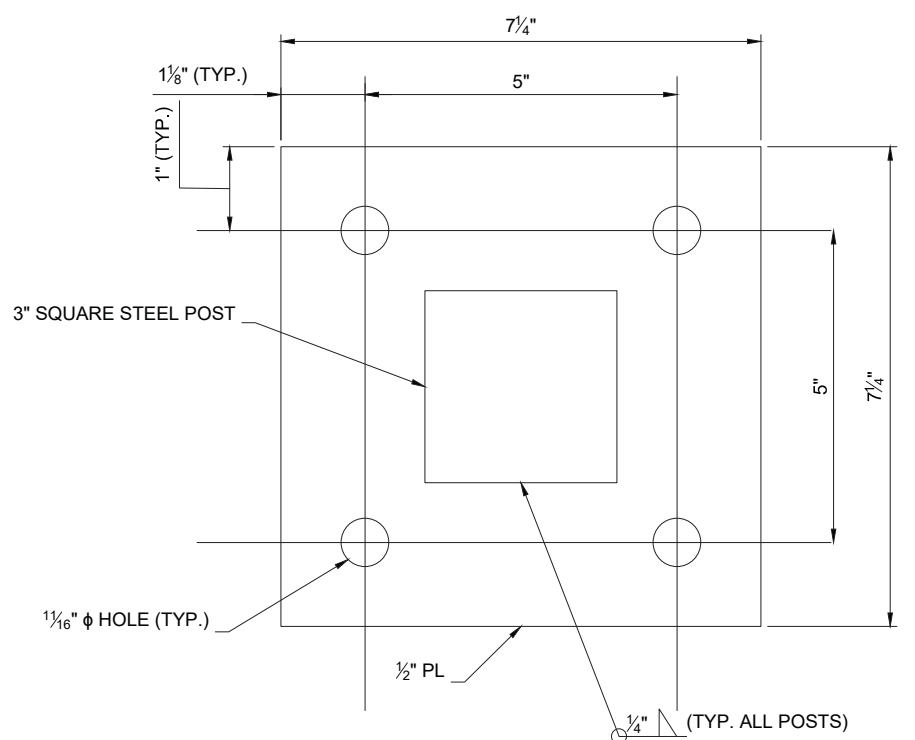
ONE INCH  
 AT FULL SIZE, IF NOT ONE  
 INCH, SCALE ACCORDINGLY

LAST UPDATED: 3/13/2019

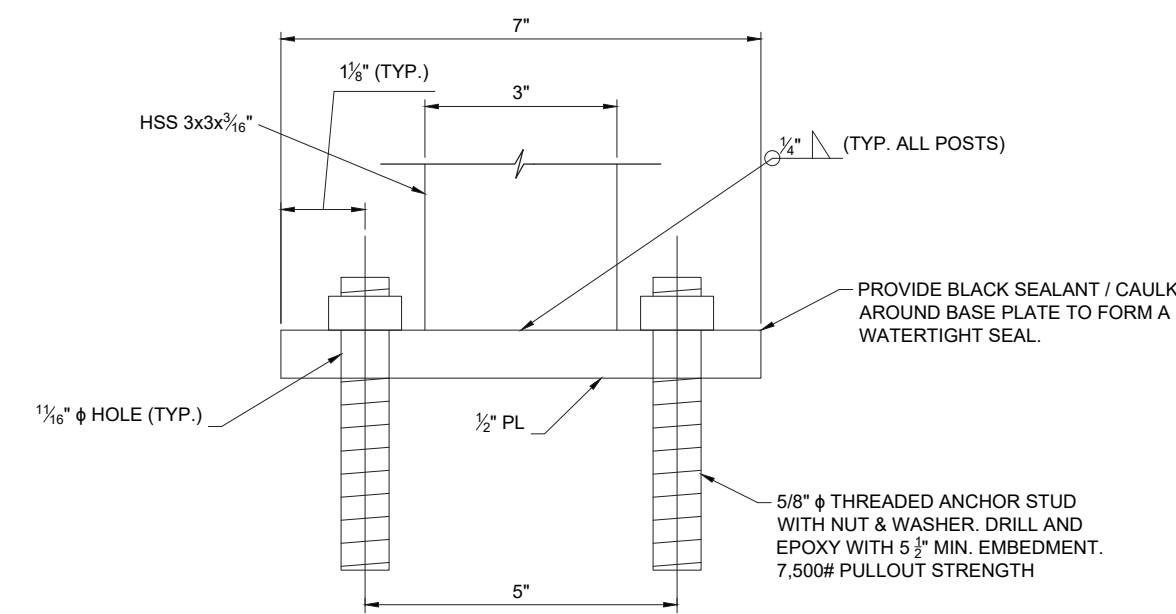
SHEET NUMBER:  
**S-116**



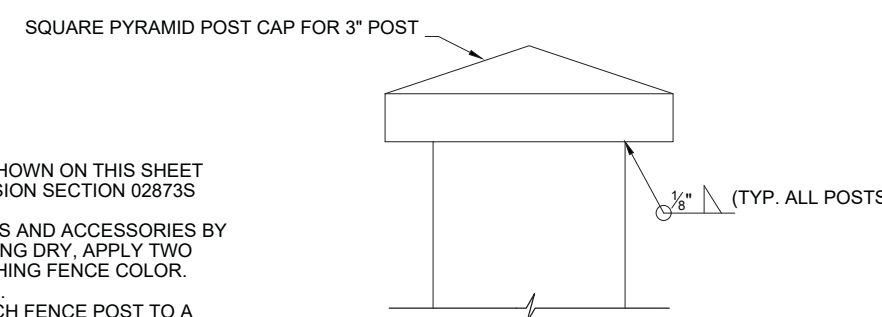
**DECORATIVE FENCE ELEVATION**



**POST ANCHOR PLATE DETAIL**



**POST ANCHOR PLATE DETAIL**



**POST CAP DETAIL**

- NOTES:
1. USE ORNAMENTAL STEEL FENCE SYSTEM AS SHOWN ON THIS SHEET OR AN APPROVED EQUAL. SEE SPECIAL PROVISION SECTION 02873S DECORATIVE FENCE.
  2. SEAL ALL EXPOSED SURFACES OF BASE PLATES AND ACCESSORIES BY APPLYING ZINC-RICH PRIMER AND AFTER LETTING DRY, APPLY TWO COATS OF CUSTOM FINISH SPRAY PAINT MATCHING FENCE COLOR. ENSURE MANUFACTURE'S RECOMMENDATIONS.
  3. FINISH THE TOP OF THE CONCRETE UNDER EACH FENCE POST TO A SMOOTH AND UNIFORM SURFACE TO ASSURE A PROPER ALIGNMENT OF THE POST AND A TIGHT FIT BETWEEN THE BASE PLATE AND CONCRETE.
  4. PROVIDE WATERTIGHT POSTS AND RAILS. CAP ALL POSTS PRIOR TO SHIPMENT OR PROVIDE DRAIN HOLE IN POST ABOVE BASE PLATE.
  5. PROVIDE GALVANIZED STRUCTURAL STEEL FOR FENCE BASE PLATES CONFORMING TO  $F_y = 36$  KSI.

Plot Date: 7/11/2019 8:50 AM, Plotted By: Adam Lambert  
 Date Created: 4/13/2018, U:\CGAN\PUBLIC\PROJECTS\UBJ-KAYSVILLE OFFICE\55-15-107 WHITE CITY CANAL CAD\SHEET\STRUCTURAL\05-15-107 S-115X.DWG

Exhibit B  
(Temporary Construction Easement)

WHEN RECORDED, RETURN TO:  
Salt Lake County Real Estate Section  
2001 South State Street, #S3-110  
Salt Lake City, Utah 84114-4575

**TEMPORARY  
CONSTRUCTION  
EASEMENT**

Parcel No. 28-08-332-020  
28-08-332-021  
28-08-355-025  
28-08-206-008  
28-08-179-001  
28-08-126-018  
28-08-127-053  
28-08-126-005

SANDY CITY CORPORATION, Utah municipal corporation created under the laws of the State of Utah, GRANTOR, hereby grants to the SALT LAKE COUNTY, a body corporate and politic of the State of Utah, a Utah municipal corporation created under the laws of the State of Utah, GRANTEE, for good and valuable consideration receipt of which is hereby acknowledged, a temporary construction easement under, over and across the following described property for purposes of construction of a pedestrian trail that will connect between Carnation Drive and 9400 South within White City Metro Township. :

(SEE EXHIBIT “A”)

This temporary construction easement is taken for a twenty-four (24) month period to commence with construction, and this temporary construction easement will expire of its own terms when construction of the trail from Galena Drive to 9400 South is complete or on August 1, 2021, whichever comes first.

Grantee shall repair any damage to Grantor’s property resulting from the construction of the trail and appurtenant parts thereof, and shall remove all construction debris upon completion of the construction. Grantee and its agents and contractors, in performance of any work on this easement, shall restore all property through which work traverses except where the trail is located, to as near its original condition as is reasonably possible. .

*Liability and Indemnification.* Both Parties are governmental entities under the Governmental Immunity Act of Utah, §§ 63G-7-101 to -904 (2018), as amended (the “*Immunity Act*”). There are no indemnity obligations between these Parties. Subject to and consistent with the terms of the Immunity Act, Grantee and Grantor shall be liable for their own negligent acts or omissions, or those of their authorized employees, officers, and agents while engaged in the performance of the obligations under this Agreement, and neither Grantee nor Grantor shall have any liability whatsoever for any negligent act or omission of the other Party, its employees, officers, or



agents. Neither Party waives any defenses or limits of liability available under the Immunity Act and other applicable law. Both Parties maintain all privileges, immunities, and other rights granted by the Immunity Act and all other applicable law.

WITNESS the hand of said GRANTOR this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

**GRANTOR:  
SANDY CITY CORPORATION**

By: \_\_\_\_\_  
Mayor or Designee

**GRANTEE:  
SALT LAKE COUNTY**

By: \_\_\_\_\_  
Mayor or Designee

STATE OF UTAH            )  
  :ss  
COUNTY OF SALT LAKE )

On this \_\_\_ day of \_\_\_\_\_, 20\_\_\_, personally appeared before me \_\_\_\_\_, who being duly sworn, did say that he is the Mayor of Sandy City Corporation, and that the foregoing instrument was signed in behalf of Sandy City Corporation.

\_\_\_\_\_  
NOTARY PUBLIC

Residing in Salt Lake County, Utah

STATE OF UTAH            )  
  :ss  
County of Salt Lake        )

On this \_\_\_ day of \_\_\_\_\_, 20\_\_\_, personally appeared before me \_\_\_\_\_, who being duly sworn, did say that (s)he is the \_\_\_\_\_ of Salt Lake County, Office of Mayor, and that the foregoing instrument was signed on behalf of Salt Lake County, by authority of law.

\_\_\_\_\_  
NOTARY PUBLIC  
Residing in Salt Lake County, Utah

Exhibit A  
(Legal Description)

**Parcel 1:TE – 28-08-332-020**

A temporary easement being part of an entire tract of land described as Utah Lake Irrigation Company Canal in White City No. 3 Subdivision recorded May 27, 1958 as Entry No. 1593091 in Book S, at Page 68 in the Office of the Salt Lake County Recorder and also described in that Warranty Deed recorded July 30, 1914 as Entry No. 328631 in Book 9-Q of Deeds, at Page 48 in the Office of said Recorder; said entire tract is located in the Southwest Quarter of Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian. Said temporary easement is three (3) rods wide and described as follows:

All of that area lying within said Utah Lake Irrigation Company Canal between the southerly right-of-way line of Galena Drive and a northerly boundary line of Dimple Dell Regional Park Annexation to Sandy City Amended recorded July 18, 2005 as Entry No. 9435231 in Book 2005 of Plats, at Page 211 in the Office of said Recorder.

The above described temporary easement contains 95,712 square feet in area or 2.197 acres, more or less.

**LESS AND EXCEPTING** the public right-of-way of Sego Lilly Drive.

**BALANCE:** Contains 91,607 square feet in area or 2.103 acres, more or less.

**EXHIBIT "B-1":** By this reference, made a part hereof.

**BASIS OF BEARINGS:** The Basis of Bearing is N. 89°45'35" W. along the Section line between the Center Section and the West Quarter Corner of said Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian.

**Parcel 2:TE – 28-08-332-021**

A temporary easement being an entire tract of land described in that Warranty Deed recorded July 30, 1914 as Entry No. 328631 in Book 9-Q of Deeds, at Page 48 in the Office of the Salt Lake County Recorder; said entire tract is located in the Southwest Quarter of Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian. Said temporary easement is described as follows:

**Beginning** at the southwesterly corner of Lot 404 of White City No. 3 Subdivision recorded May 27, 1958 as Entry No. 1593091 in Book S, at Page 68 in the Office of said Recorder; said point also being the southerly most corner of that parcel described as Utah Lake Irrigation Company Canal on said White City No. 3 Subdivision; thence S. 30°48' W. 340.68 feet to the northeasterly corner of a parcel described in that Quit Claim Deed recorded February 23, 2015 as Entry No. 11996802 in Book 10297, at Page 9766 in the Office of said Recorder; thence N. 81°59' W. 53.69 feet along the northerly boundary line of said parcel to the northeasterly corner of Lot 12 of White City No. 6 Subdivision recorded September 29, 1958 as Entry No. 1613407 in Book T, at Page 8 in the Office of said Recorder; thence N. 30°48' E. 392.65 feet to the southwesterly most corner of said White City No. 3 Subdivision and Utah Lake Irrigation Company Canal; thence S. 27° E. 58.50 feet along a southwesterly line of said subdivision and to the **Point of Beginning**.

The above described temporary easement contains 18,150 square feet in area or 0.417 acre, more or less.

**EXHIBIT "B-2":** By this reference, made a part hereof.

**BASIS OF BEARINGS:** The Basis of Bearing is N. 89°45'35" W. along the Section line between the Center Section and the West Quarter Corner of said Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian.

**Parcel 3:TE – 28-08-355-025**

A temporary easement being part of an entire tract of land known as the Utah Lake Irrigation Company Canal as described in that Quit Claim Deed recorded February 23, 2015 as Entry No. 11996802 in Book 10297, at Page 9766 in the Office of the Office of the Salt Lake County Recorder; said entire tract is a 3-rod wide strip located in the Southwest Quarter of Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian. Said temporary easement is described as follows:

**Beginning** at the southeasterly corner of Lot 12, White City No. 6 Subdivision recorded September 29, 1958 as Entry No. 1613407 in Book T, at Page 8 in the Office of said Recorder, said corner also being the northwesterly corner of White City No. 8 Subdivision recorded February 1, 1960 as Entry No. 1698822 in Book U, at Page 71 in the Office of said Recorder; thence northerly along the easterly line of said Lot 12 and White City No. 6 the following two (2) courses: 1) N. 02°08'30" E. 101.66 feet; 2) N. 30°48' E. 66.00 feet to the northeasterly corner of said Lot 12; thence S. 81°59' E. 53.69 feet along an easterly projection of the northerly line of said White City No. 6, to the easterly line of said entire tract and the westerly boundary of a 3 rod wide canal; thence Southerly along said easterly lines the following two (2) courses: 1) S. 30°48' W. 50.00 feet; 2) S. 08°01' W. 131.73 feet to the northeasterly line of said White City No. 8 subdivision and the northeasterly right of way line of Carnation Drive; thence N. 64°13' W. 51.96 feet along said northeasterly lines to the **Point of Beginning**.

The above described temporary easement contains 9,239 square feet in area or 0.212 acre, more or less.

**EXHIBIT "B-3":** By this reference, made a part hereof.

**BASIS OF BEARINGS:** The Basis of Bearing is N. 00°23'30" W. along the Section line between the Southwest Corner and the West Quarter Corner of said Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian.

**Parcel 4:TE – 28-08-206-008**

A temporary easement being part of an entire tract of land described in that Warranty Deed recorded August 15, 1914 as Entry No. 330923 in Book 8V, at Page 346 in the Office of the Salt Lake County Recorder. Said entire tract is located in the Northwest and Northeast Quarters of Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian. Said temporary easement is a strip of land three (3) rods wide, the sidelines of which lies two (2) rods westerly and one (1) rod easterly of the following described centerline:

**Beginning** at a point on the easterly extension of the northerly line of White City No. 7 Subdivision recorded April 24, 1959 as Entry No. 1649485 in Book T of Plats, at Page 63 in the Office of said Recorder, which is 33.59 feet S. 89°45'35" E. from the northeasterly corner of Lot 24 of said White City No. 7 Subdivision; thence N. 10°54'57" E. (Record = North 10°58' East) 192.63 feet to the point of tangency with a 250.00 – foot radius curve to the left, concave westerly; thence Northerly 148.92 feet along the arc of said curve, through a central angle of 34°07'51"; thence N. 23°12'53" W. (Record = North 23°22' West) 248.03 feet to the easterly extension of the northerly boundary line of that parcel of land conveyed to Salt Lake County described in a Warranty Deed recorded March 18, 1966 as Entry No. 2147226 in Book 2440, at Page 352 in the Office of said Recorder and the **Point of Terminus**.

The sidelines of said strip of land shall be lengthened or shortened to begin on the easterly extension of the northerly line of said White City No. 7 Subdivision and terminate at the northerly boundary line of said entire tract.

The above described temporary easement contains 29,053 square feet in area or 0.667 acre, more or less.

**EXHIBIT "B-4":** By this reference, made a part hereof.

**BASIS OF BEARINGS:** N. 89°45'35" W. along the Quarter Section line between the Center of Section and the West Quarter Corner of said Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian.

**Parcel 5:TE – 28-08-179-001**

A temporary easement being part of an entire tract of land described in that Warranty Deed recorded August 15, 1914 as Entry No. 330923 in Book 8V, at Page 346 and part of that parcel described as "Canal Right of Way" in White City No. 1 recorded March 12, 1956 as Entry No. 1473597 in Book Q of Plats, at Page 33 in the Office of said Recorder. Said entire tract is located in the Northwest and Northeast Quarters of Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian. Said temporary easement is a strip of land three (3) rods wide, the sidelines of which lies two (2) rods westerly and one (1) rod easterly of the following described centerline:

**Beginning** at a point on the southeasterly right-of-way line of Poppy Lane, which is 33.00 feet N. 24°30'00" E. from the northwesterly corner of Lot 12 of said White City No. 1; thence S. 66°12'50" E. 502.90 feet to a point of tangency with a 225.00 foot radius curve to the right, concave southwesterly; thence southeasterly 168.86 feet along the arc of said curve, through a central angle of 42°59'57"; thence S. 23°12'53" E. 205.85 feet to the easterly extension of the northerly boundary line of that parcel of land conveyed to Salt Lake County described in a Warranty Deed recorded March 18, 1966 as Entry No. 2147226 in Book 2440, at Page 352 in the Office of said Recorder and the **Point of Terminus**.

The sidelines of said strip of land shall be lengthened or shortened to begin on the easterly extension of the northerly boundary line of said parcel of land conveyed to Salt Lake County described in a Warranty Deed recorded March 18, 1966 as Entry No. 2147226 and terminate at the southeasterly right-of-way line of Poppy Lane.

The above described temporary easement contains 40,626 square feet in area or 0.933 acre, more or less.

**EXHIBIT "B-5":** By this reference, made a part hereof.

**BASIS OF BEARINGS:** N. 89°45'35" W. along the Quarter Section line between the Center of Section and the West Quarter Corner of said Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian.

**Parcel 6:TE – 28-08-126-018**

A temporary easement being part of an entire tract of land described as “Canal Right of Way” in White City No. 1 recorded March 12, 1956 as Entry No. 1473597 in Book Q of Plats, at Page 33 in the Office of the Salt Lake County Recorder and also described in that Warranty Deed recorded August 15, 1914 as Entry No. 330923 in Book 8V, at Page 346 in the Office of the Salt Lake County Recorder. Said entire tract is located in the Northwest Quarter of Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian. Said temporary easement is three (3) rods wide and described as follows:

All of that area within said “Canal Right of Way” lying between the northwesterly right-of-way line of Poppy Lane and the southeasterly line of Lots 11 & 24 of said White City No. 1.

The above described temporary easement contains 6,952 square feet in area or 0.160 acre, more or less.

**EXHIBIT “B-6”:** By this reference, made a part hereof.

**BASIS OF BEARINGS:** N. 89°45’35” W. along the Quarter Section line between the Center of Section and the West Quarter Corner of said Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian.

**Parcel 7:TE – 28-08-127-053**

A temporary easement lying entirely within that tract of land described in Warranty Deed recorded March 16, 2017 as Entry No. 12496677 in Book 10538, at Page 5913 in the Office of the Salt Lake County Recorder and located in the Northwest Quarter of Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian. Said temporary easement is described as follows:

Beginning at a point on the Westerly boundary of White City No. 1, a subdivision of Salt Lake County, recorded March 12, 1956 as Entry no. 1473597 in Book Q of Plats at Page 33 in the office of the Salt Lake County Recorder, said point lies South 00°15'07" East 443.27 feet from the Northwest corner of Lot 6 of said subdivision, said Northwest corner of said Lot 6 lies North 89°12'10" West 637.26 feet by record but measured to be 636.03 feet along the monument line in 9400 South Street, South 00°15'18" East 391.61 feet and South 89°59'26" West 15.85 feet from the Salt Lake County monument currently (March 2017) marking the North quarter corner of Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian; thence along said Westerly boundary of said White City No. 1, South 00°15'07" East 26.35 feet to the centerline of the Sandy Canal Company irrigation canal right-of-way (formerly the Utah Lake Irrigation Canal) and an angle point in the boundary of said White City No. 1; thence along said centerline line and the boundary of said White City No. 1, North 65°30'00" West 152.47 feet (currently recorded description= North 65°03' West 150 feet); thence along the boundary of said White City No. 1 the following three (3) courses: (1) South 24°30'00" West 24.75 feet, (2) North 65°30'00" West 30.00 feet (currently recorded description= North 65°03' West) to a point of curvature, (3) Northwesterly 108.50 feet along the arc of a tangent curve to the right having a radius of 251.27 feet, a central angle of 24°44'26" and a chord bearing and length of North 53°07'47" West 107.66 feet; thence North 01°01'51" West 105.00 feet (currently recorded description = North) to intersect an existing chain link fence; thence along said chain link fence the following seven (7) courses: (1) South 13°02'48" East 7.15 feet to a chain link fence post and angle point in said chain link fence; (2) South 24°45'00" East 38.55 feet to a chain link fence post and angle point in said chain link fence; (3) South 36°02'00" East 43.80 feet to a chain link fence post and angle point in said chain link fence; (4) South 45°58'00" East 40.10 feet to a chain link fence post and angle point in said chain link fence; (5) South 62°04'00" East 70.10 feet to a chain link fence post and angle point in said chain link fence; (6) South 67°48'00" East 59.70 feet to a chain link fence post and angle point in said chain link fence; (7) South 64°26'00" East 82.75 feet to the point of beginning.

The above described temporary easement contains 11,694 square feet in area or 0.029 acre, more or less.

**EXHIBIT "B-7":** By this reference, made a part hereof.

**BASIS OF BEARINGS:** N. 89°12'10" W. along the monument line of 9400 South Street between the North Quarter of said Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian and the Street Monument at the intersection of 9400 South Street and 700 East Street.



**Parcel 8:TE – 28-08-126-005**

A temporary easement being part of an entire tract of land described in that Warranty Deed recorded August 15, 1914 as Entry No. 330923 in Book 8V, at Page 346 and that Quit Claim Deed recorded May 15, 2018 as Entry No. 12772045 in Book 10674, at page 4562 in the Office of the Salt Lake County Recorder. Said entire tract is located in the Northwest Quarter of Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian. Said temporary easement is a strip of land three (3) rods wide, the sidelines of which lies two (2) rods westerly and one (1) rod easterly of the following described centerline:

**Beginning** on the southerly right-of-way line of 9400 South Street, which 16.54 feet N. 89°12'10" W. from the northwesterly corner of 94<sup>th</sup> Street PUD recorded September 13, 1995 as Entry No. 6164406 in Book 95-5 of Plats, at Page 232 in the Office of said Recorder; thence S. 04°50'00" W. 513.47 feet to a point of non-tangency with a 218.27 foot radius curve to the left, concave easterly (Radius point bears S. 85°10'00" E); thence southerly 127.88 feet along the arc of said curve, through a central angle of 33°34'08" to the westerly boundary line of that parcel of land described in a Warranty Deed recorded March 16, 2017 as Entry No. 12496677 in Book 10538, at Page 5913 in the Office of said Recorder and the **Point of Terminus**.

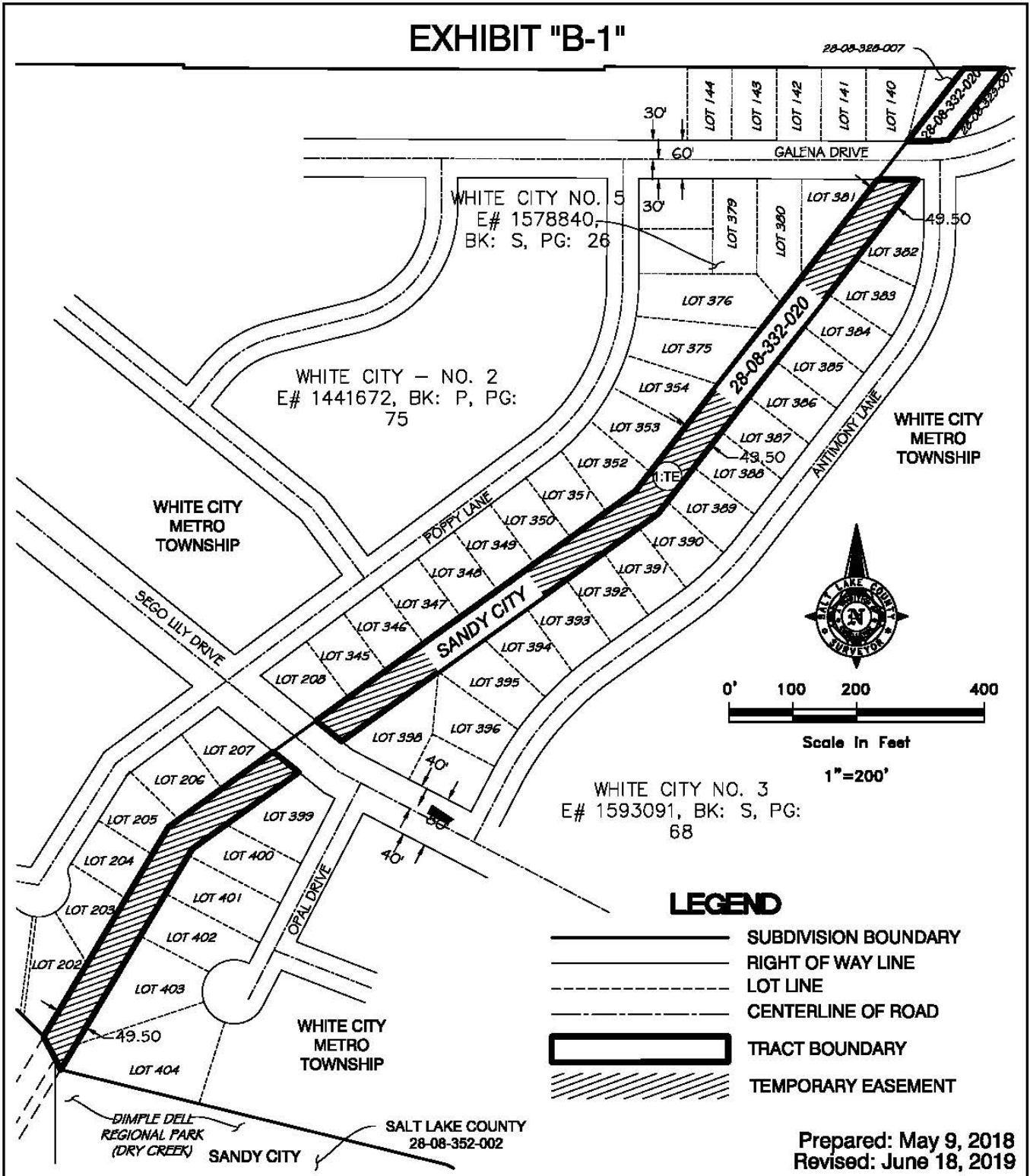
The sidelines of said strip of land shall be lengthened or shortened to begin on the southerly right-of-way line of 9400 South Street and terminate on the westerly boundary line of that parcel of land described in a Warranty Deed recorded March 16, 2017 as Entry No. 12496677

The above described temporary easement contains 32,639 square feet in area or 0.749 acre, more or less.

**EXHIBIT "B-8":** By this reference, made a part hereof.

**BASIS OF BEARINGS:** N. 89°12'10" E. along the Section line between the Northeast Corner and the North Quarter Corner of said Section 8, Township 3 South, Range 1 East, Salt Lake Base and Meridian.

# EXHIBIT "B-1"





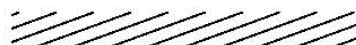


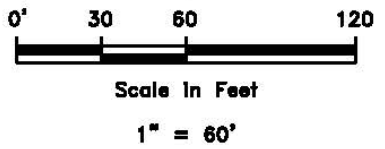
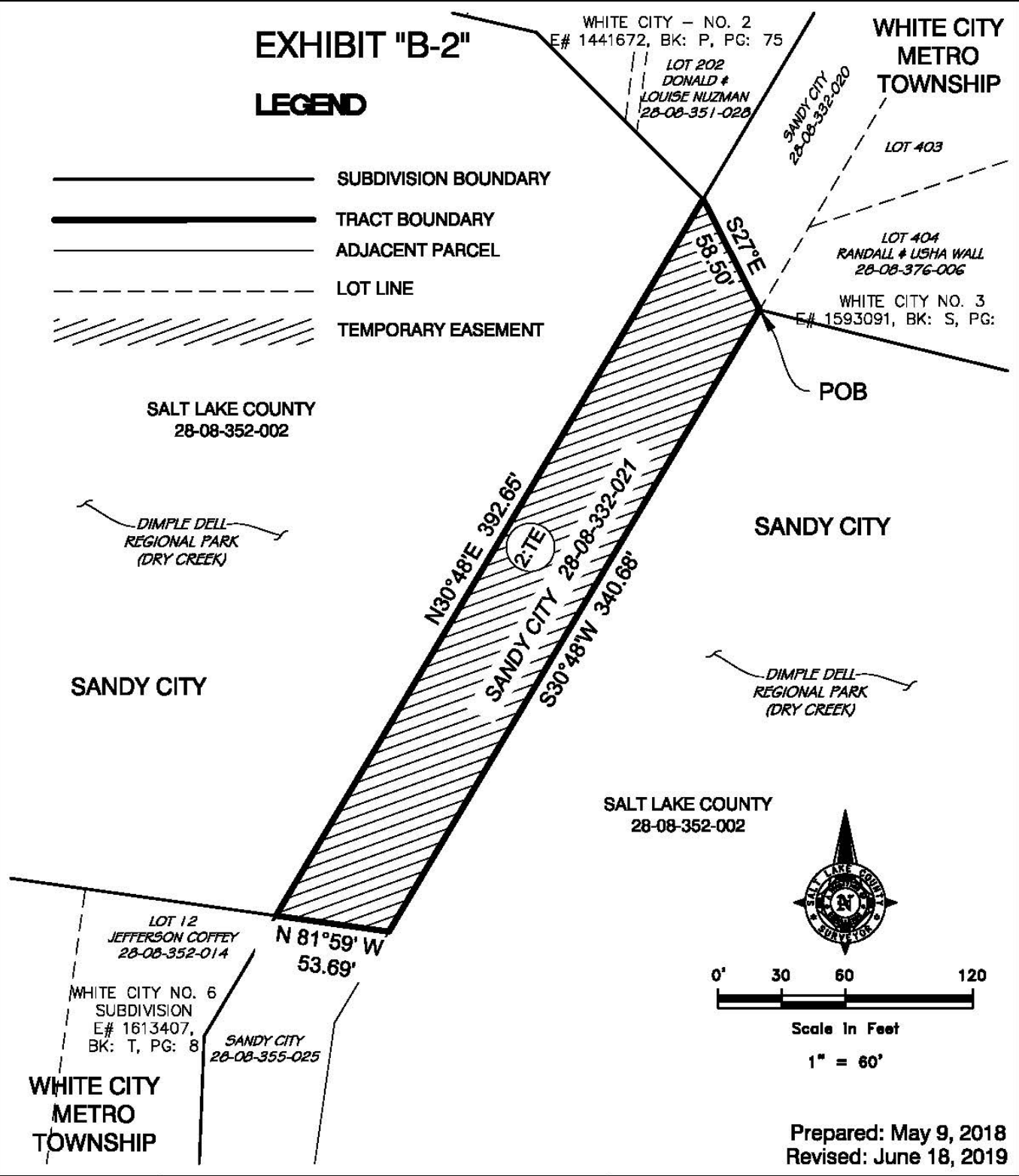
**WHITE CITY CANAL TRAIL**  
**SANDY CITY TEMPORARY EASEMENT**  
 Prepared for:  
**Salt Lake County Parks & Rec.**  
 Sec. 8, T.3S., R.1E., S.L.B.&M.  
 Work Order No. SU20170397

Prepared by the Office of:  
**Reid J. Demman, P.L.S.**  
**Salt Lake County Surveyor**  
 2001 S. State St. #N1-400  
 Salt Lake City, Utah 84114-4575  
 (365) 468-8240

# EXHIBIT "B-2"

## LEGEND

-  SUBDIVISION BOUNDARY
-  TRACT BOUNDARY
-  ADJACENT PARCEL
-  LOT LINE
-  TEMPORARY EASEMENT



Prepared: May 9, 2018  
Revised: June 18, 2019



WHITE CITY CANAL TRAIL  
SANDY CITY TEMPORARY EASEMENT

Prepared for:  
Salt Lake County Parks & Rec.

Sec. 8, T.3S, R.1E, S.L.B.&M.  
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Salt Lake City, Utah 84114-4575  
(385) 468-8240

# EXHIBIT "B-3"

## SANDY CITY

SALT LAKE COUNTY  
28-08-352-002

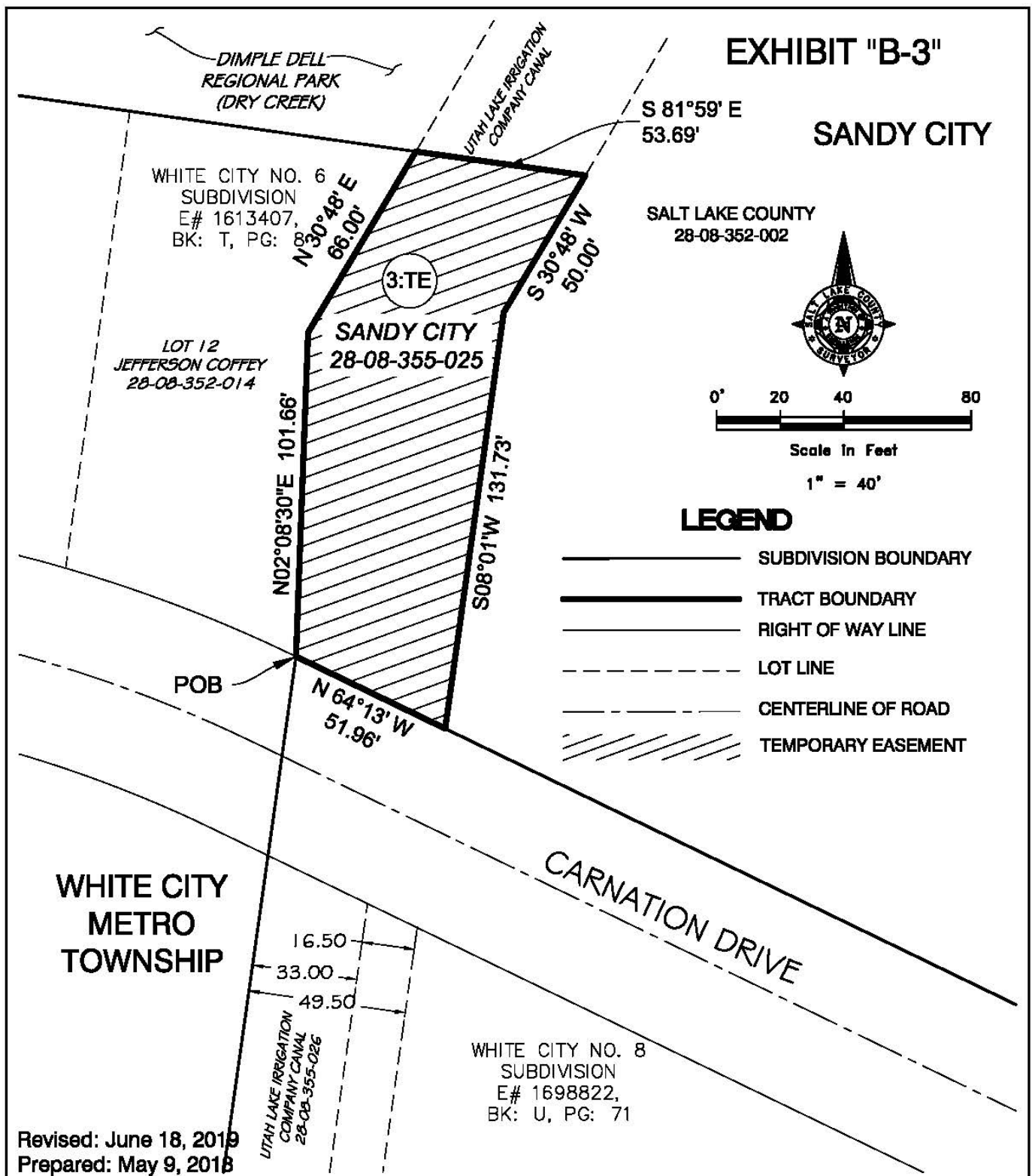


Scale In Feet

1" = 40'

### LEGEND

- SUBDIVISION BOUNDARY
- TRACT BOUNDARY
- RIGHT OF WAY LINE
- LOT LINE
- CENTERLINE OF ROAD
- TEMPORARY EASEMENT



Revised: June 18, 2019  
Prepared: May 9, 2018



WHITE CITY CANAL TRAIL  
SANDY CITY TEMPORARY EASEMENT

Prepared for:  
Salt Lake County Parks & Rec.

Sec. 8, T.3S, R.1E, S.L.B.&M.  
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# EXHIBIT "B-4"

POINT OF TERMINUS

4:TE

**SANDY CITY**  
28-08-206-008

**BIG BEAR PARK**

Salt Lake County  
28-08-179-014  
E# 2147226  
Bk: 2440  
Pg: 352

LOT 15

LOT 16

LOT 17

LOT 18

LOT 19

LOT 20

1040 EAST

SLEEPY HOLLOW LANE  
E# 2501569,  
BK: MM, PG: 86

SLEEPY HOLLOW LANE



0' 50 100  
Scale In Feet  
1"=100'

Salt Lake County  
28-08-179-015  
E# 2149244  
Bk: 2444  
Pg: 608

2 Rods 1 Rod 3 Rods

POB

**EDGEMONT ELEMENTARY SCHOOL**

**WHITE CITY METRO TOWNSHIP**

WHITE CITY NO. 7  
E# 1649485,  
BK: T, PG: 63

SILICA DRIVE

LOT 24

LOT 25

LOT 26

LOT 27

LOT 28

## LEGEND

- RIGHT OF WAY LINE
- LOT LINE
- TRACT BOUNDARY
- TEMPORARY EASEMENT

## CURVE TABLE

| CURVE # | LENGTH | RADIUS | DELTA     | CH. BRG.     | CH. LEN. |
|---------|--------|--------|-----------|--------------|----------|
| C1      | 148.92 | 250.00 | 34°07'51" | N6° 08' 58"W | 146.73   |

June 18, 2019



WHITE CITY CANAL TRAIL  
SANDY CITY TEMPORARY EASEMENT

Prepared for:  
Salt Lake County Parks & Rec.

Sec. 8, T.3S., R.1E., S.L.B.&M.  
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# EXHIBIT "B-5"

WHITE CITY  
METRO  
TOWNSHIP

POB

28-08-129-007

28-08-129-009

28-08-206-010

POPPY LANE

LOT 12

SANDY CITY  
28-08-179-001

Salt Lake County  
28-08-179-013  
E# 2147224  
Bk: 2440  
Pg: 349

BIG BEAR PARK

LOT 13

WHITE CITY NO. 1  
E# 473597,  
BK: Q, PG: 33

28-08-179-012

28-08-206-007

5:TE

1 Rod  
2 Rods  
3 Rods

S66°12'50"E 502.90'

S23°12'53"E 205.85'

POINT OF  
TERMINUS

### CURVE TABLE

| CURVE # | LENGTH | RADIUS | DELTA     | CH. BRG.    | CH. LEN. |
|---------|--------|--------|-----------|-------------|----------|
| C1      | 168.86 | 225.00 | 42°59'57" | N44°42'52"W | 164.92   |

Salt Lake County  
28-08-179-014  
E# 2147226  
Bk: 2440  
Pg: 352



0' 50 100  
Scale In Feet  
1"=100'

### LEGEND

- RIGHT OF WAY LINE
- LOT LINE
- TRACT BOUNDARY
- TEMPORARY EASEMENT

June 18, 2019



WHITE CITY CANAL TRAIL  
SANDY CITY TEMPORARY EASEMENT

Prepared for:  
Salt Lake County Parks & Rec.

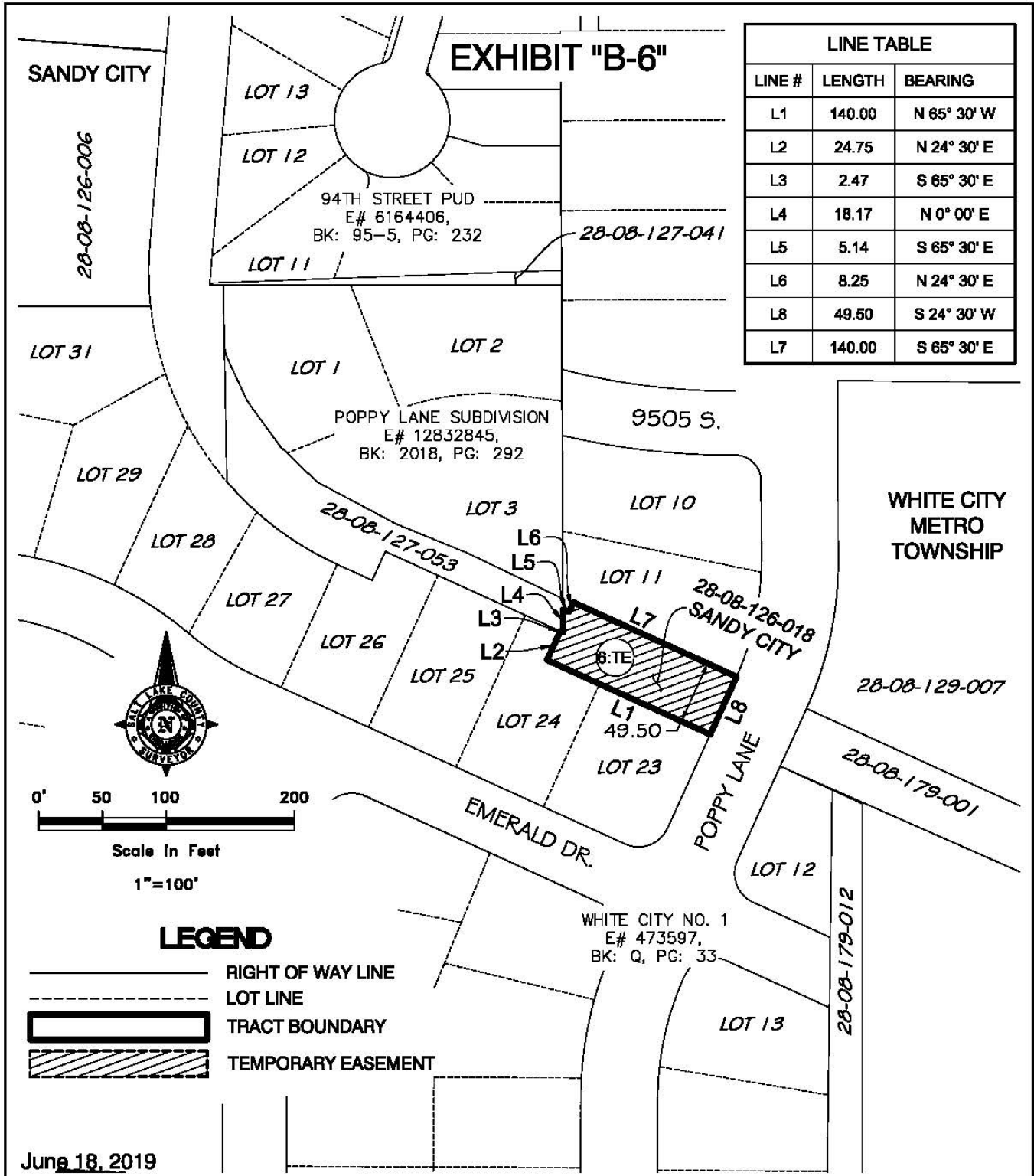
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# EXHIBIT "B-6"

| LINE TABLE |        |             |
|------------|--------|-------------|
| LINE #     | LENGTH | BEARING     |
| L1         | 140.00 | N 65° 30' W |
| L2         | 24.75  | N 24° 30' E |
| L3         | 2.47   | S 65° 30' E |
| L4         | 18.17  | N 0° 00' E  |
| L5         | 5.14   | S 65° 30' E |
| L6         | 8.25   | N 24° 30' E |
| L8         | 49.50  | S 24° 30' W |
| L7         | 140.00 | S 65° 30' E |



Jun 18, 2019



WHITE CITY CANAL TRAIL  
 SANDY CITY TEMPORARY EASEMENT

Prepared for:  
 Salt Lake County Parks & Rec.

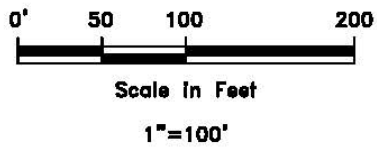
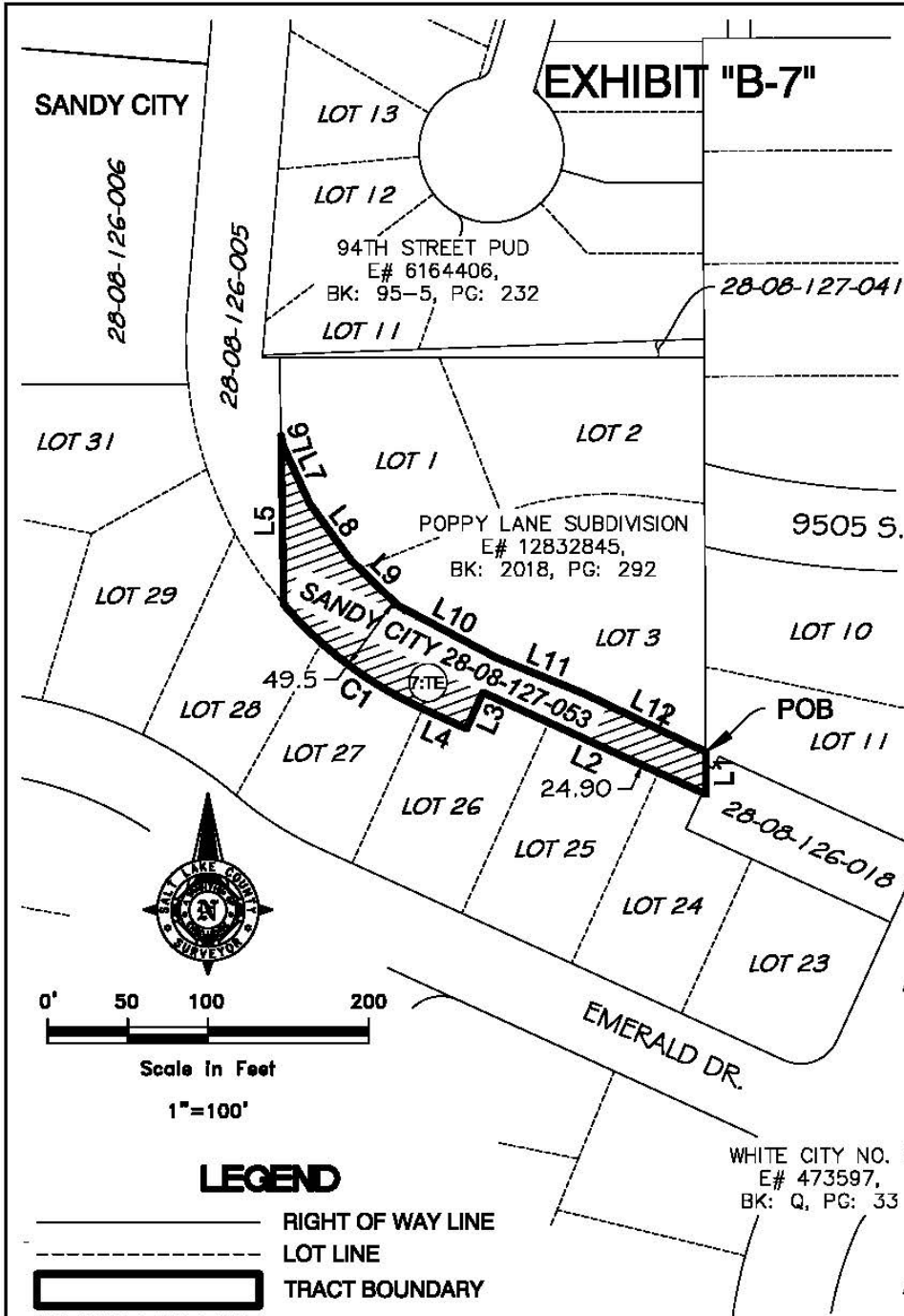
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# EXHIBIT "B-7"

| LINE TABLE |        |               |
|------------|--------|---------------|
| LINE #     | LENGTH | BEARING       |
| L1         | 26.35  | S0° 15' 07"E  |
| L2         | 152.47 | N65° 30' 00"W |
| L3         | 24.75  | S24° 30' 00"W |
| L4         | 30.00  | N65° 30' 00"W |
| L5         | 105.00 | N1° 01' 51"W  |
| L6         | 7.15   | S13° 02' 48"E |
| L7         | 38.55  | S24° 45' 00"E |
| L8         | 43.80  | S36° 02' 00"E |
| L9         | 40.10  | S45° 58' 00"E |
| L10        | 70.10  | S62° 04' 00"E |
| L11        | 59.70  | S67° 48' 00"E |
| L12        | 82.75  | S64° 26' 00"E |



### LEGEND

- RIGHT OF WAY LINE
- LOT LINE
- TRACT BOUNDARY
- TEMPORARY EASEMENT

| CURVE TABLE |        |        |           |             |          |
|-------------|--------|--------|-----------|-------------|----------|
| CURVE #     | LENGTH | RADIUS | DELTA     | CH. BRG.    | CH. LEN. |
| C1          | 108.50 | 251.27 | 24°44'28" | N53°07'47"W | 107.88   |

June 18, 2019

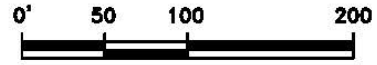
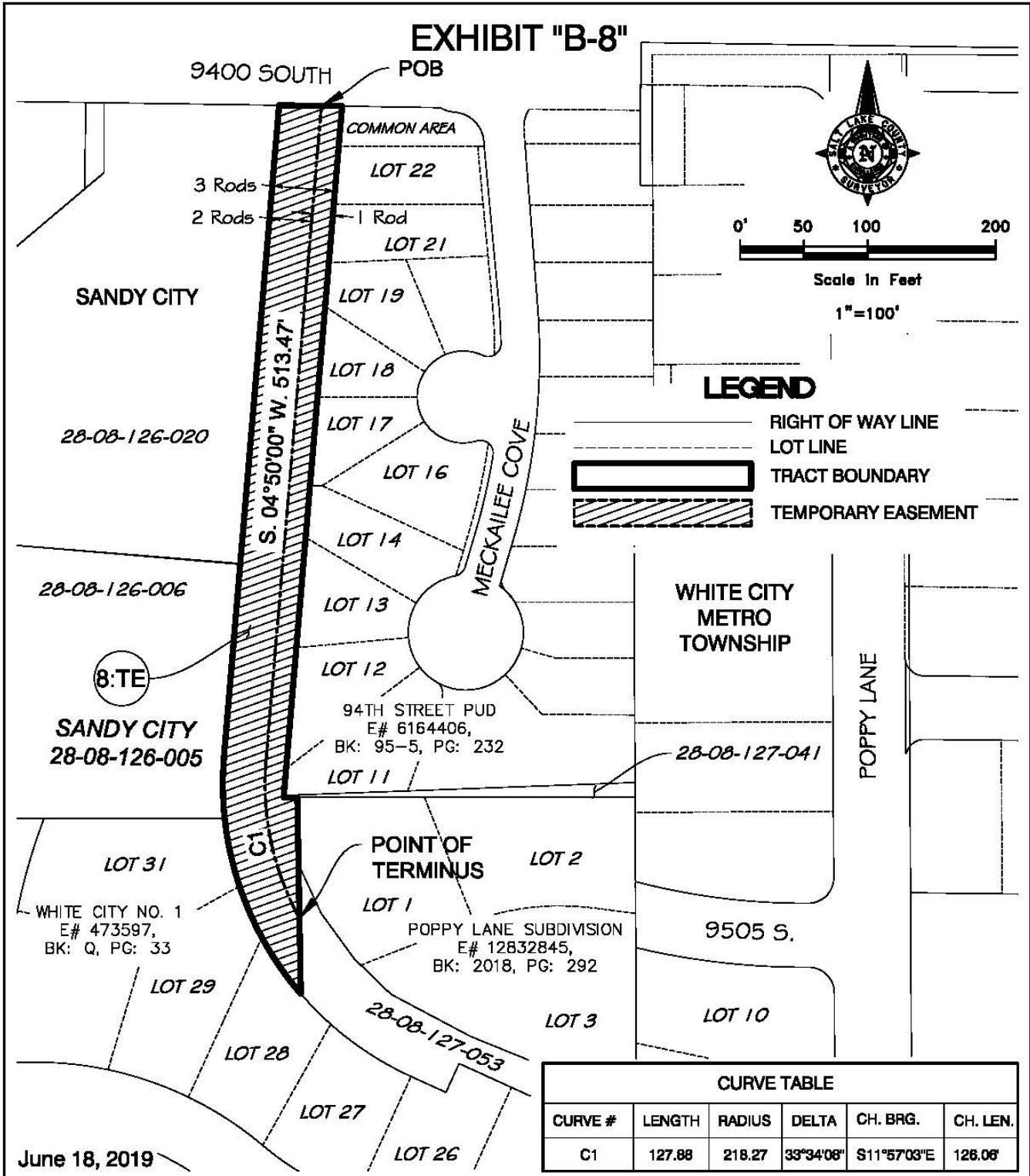


**WHITE CITY CANAL TRAIL**  
**SANDY CITY TEMPORARY EASEMENT**  
 Prepared for:  
**Salt Lake County Parks & Rec.**  
 Sec. 8, T.3S., R.1E., S.L.B.&M.  
 Work Order No. SU20170397

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# EXHIBIT "B-8"



Scale in Feet

1"=100'

## LEGEND

- RIGHT OF WAY LINE
- LOT LINE
- TRACT BOUNDARY
- TEMPORARY EASEMENT

June 18, 2019

| CURVE TABLE |        |        |           |             |          |
|-------------|--------|--------|-----------|-------------|----------|
| CURVE #     | LENGTH | RADIUS | DELTA     | CH. BRG.    | CH. LEN. |
| C1          | 127.88 | 218.27 | 33°34'08" | S11°57'03"E | 126.06'  |



WHITE CITY CANAL TRAIL  
SANDY CITY TEMPORARY EASEMENT

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**Salt Lake County Parks & Rec.**

Sec. 8, T.3S., R.1E., S.L.B.&M.  
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