



State of Utah

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

Department of Administrative Services

RICHARD K. ELLIS
Executive Director

Division of Facilities Construction and Management

F. KEITH STEPAN
Director

ADDENDUM #1

Date: 8 November 2006

To: Contractors

From: Jim Russell Project Manager, DFCM

Reference: Utah Department of Corrections
Administration Bldg. & Fred House Academy 12.5 KV Power Upgrade
DFCM Project No. 06139100

Subject: **Addendum No. 1**

Pages	Addendum	1 page
	Revised Bid Form	2 page
	Revised Drawings	6 pages
	Total	9 pages

Note: This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

1.1 **SCHEDULE CHANGES – There are no schedule changes per this addendum.**

1.2 **GENERAL**

1.2.1 Revised bid form to include a Base Bid and Alternate #1.

1.2.2 Revised Plans to define the work to be performed as Base Bid and Alternate #1.

End of Addendum #1



STATE OF UTAH - DEPARTMENT OF ADMINISTRATIVE SERVICES

Division of Facilities Construction and Management

DFCM

**BID FORM – REVISED
PER ADDENDUM NO. 1 ISSUED NOVEMBER 8, 2006**

NAME OF BIDDER _____ DATE _____

To the Division of Facilities Construction and Management
4110 State Office Building
Salt Lake City, Utah 84114

The undersigned, responsive to the "Notice to Contractors" and in accordance with the "Instructions to Bidders", in compliance with your invitation for bids for the **12.5 KV POWER UPGRADE – ADMINISTRATION BUILDING AND FRED HOUSE ACADEMY – DEPARTMENT OF CORRECTIONS – DRAPER, UTAH - DFCM PROJECT NO. 06139100** and having examined the Contract Documents and the site of the proposed Work and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of labor, hereby proposes to furnish all labor, materials and supplies as required for the Work in accordance with the Contract Documents as specified and within the time set forth and at the price stated below. This price is to cover all expenses incurred in performing the Work required under the Contract Documents of which this bid is a part:

I/We acknowledge receipt of the following Addenda: _____

For all work shown on the Drawings and described in the Specifications and Contract Documents, I/we agree to perform for the sum of:

BASE BID: All work to be performed between Switching Stations CSS#30 and CSS#34 as per Revised Plans E-02 & E-04 - E-08.

_____ DOLLARS (\$_____)

(In case of discrepancy, written amount shall govern)

ADDITIVE ALTERNATE NO. 1: All work to be performed between Switching Stations CSS#34 and CSS #36 as per Revised Plans E-02 & E-04 – E-08.

_____ DOLLARS (\$_____)

(In case of discrepancy, written amount shall govern)

I/We guarantee that the Work will be Substantially by **April 16, 2007**, should I/we be the successful bidder, and agree to pay liquidated damages in the amount of **\$250.00** per day for each day after expiration of the Contract Time as stated in Article 3 of the Contractor’s Agreement.

This bid shall be good for 45 days after bid opening.

PAGE NO. 2

Enclosed is a 5% bid bond, as required, in the sum of _____

The undersigned Contractor's License Number for Utah is _____.

Upon receipt of notice of award of this bid, the undersigned agrees to execute the contract within ten (10) days, unless a shorter time is specified in the Contract Documents, and deliver acceptable Performance and Payment bonds in the prescribed form in the amount of 100% of the Contract Sum for faithful performance of the contract.

The Bid Bond attached, in the amount not less than five percent (5%) of the above bid sum, shall become the property of the Division of Facilities Construction and Management as liquidated damages for delay and additional expense caused thereby in the event that the contract is not executed and/or acceptable 100% Performance and Payment bonds are not delivered within the time set forth.

Type of Organization:

(Corporation, Partnership, Individual, etc.)

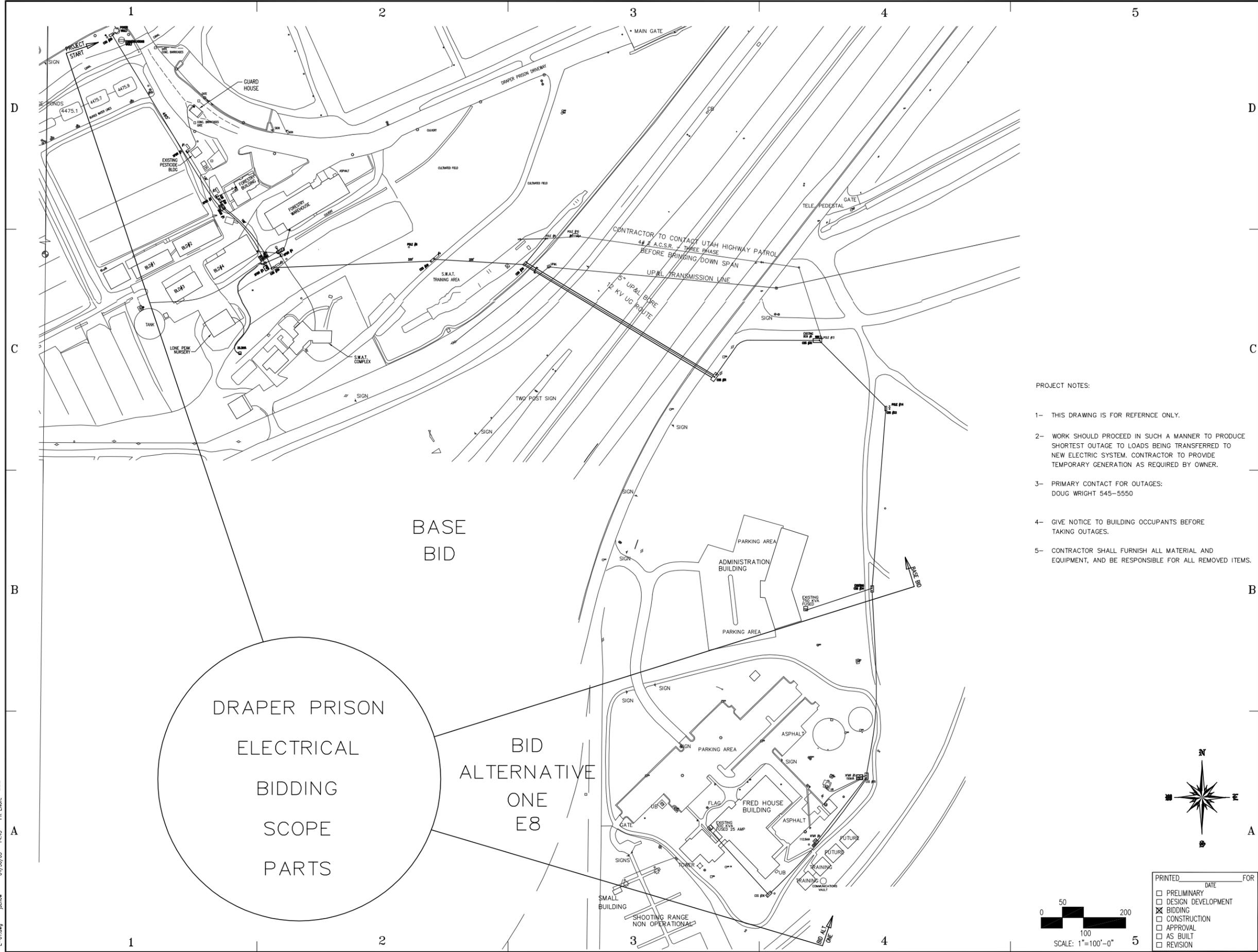
Any request and information related to Utah Preference Laws:

Respectfully submitted,

Name of Bidder

ADDRESS:

Authorized Signature



- PROJECT NOTES:
- 1- THIS DRAWING IS FOR REFERENCE ONLY.
 - 2- WORK SHOULD PROCEED IN SUCH A MANNER TO PRODUCE SHORTEST OUTAGE TO LOADS BEING TRANSFERRED TO NEW ELECTRIC SYSTEM. CONTRACTOR TO PROVIDE TEMPORARY GENERATION AS REQUIRED BY OWNER.
 - 3- PRIMARY CONTACT FOR OUTAGES: DOUG WRIGHT 545-5550
 - 4- GIVE NOTICE TO BUILDING OCCUPANTS BEFORE TAKING OUTAGES.
 - 5- CONTRACTOR SHALL FURNISH ALL MATERIAL AND EQUIPMENT, AND BE RESPONSIBLE FOR ALL REMOVED ITEMS.



State of Utah—Department of Administrative Services
 DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
 4110 State Office Building/Salt Lake City, Utah 84114/508-3018

CONSULTANTS

Intermountain Consumer Professional Engineers, Inc.
 CONSULTING ENGINEERS
 1145 E. SOUTH UNION AVE.
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 BUS. (801) 555-1111 FAX 566-0088

DEPARTMENT OF CORRECTIONS

DRAPER, UTAH

DRAPER PRISON
 ADMIN/ACADEMY
 UNDERGROUND POWER
 UPGRADE

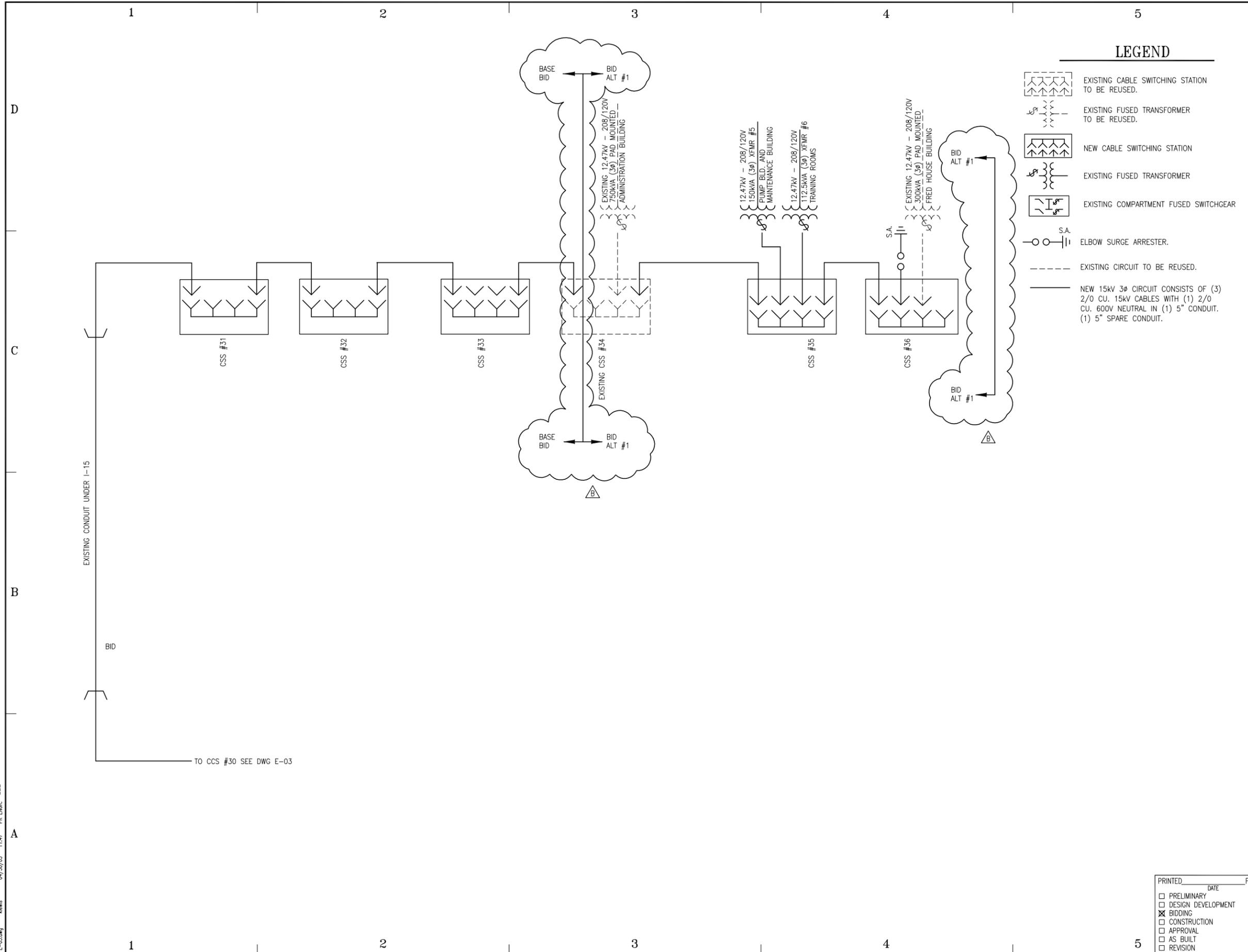
STATE PROPERTY ID. #-
 DFCM PROJECT #06139100

B	ADDED BID ALT #1
A	ISSUED FOR BID
MARK	DATE DESCRIPTION
ISSUE DATE:	
PROJECT NO:	167-004
CAD DWG FILE:	
DRAWN BY:	NN
CHECKED BY:	CJH

SHEET TITLE

DRAPER PRISON
 BIDDING SCOPE
 ELECTRICAL

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LEGEND

- EXISTING CABLE SWITCHING STATION TO BE REUSED.
- EXISTING FUSED TRANSFORMER TO BE REUSED.
- NEW CABLE SWITCHING STATION
- EXISTING FUSED TRANSFORMER
- EXISTING COMPARTMENT FUSED SWITCHGEAR
- S.A. ELBOW SURGE ARRESTER.
- EXISTING CIRCUIT TO BE REUSED.
- NEW 15kV 3Ø CIRCUIT CONSISTS OF (3) 2/0 CU. 15kV CABLES WITH (1) 2/0 CU. 600V NEUTRAL IN (1) 5" CONDUIT. (1) 5" SPARE CONDUIT.



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 ADMIN/ACADEMY
 UNDERGROUND POWER
 UPGRADE

STATE PROPERTY ID. #-
 DFCM PROJECT #06139100

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A	ISSUED FOR BID	
MARK	DATE	DESCRIPTION

ISSUE DATE:
 PROJECT NO: 167-004
 CAD DWG FILE:
 DRAWN BY: NN
 CHECKED BY: CJH

SHEET TITLE
 PROPOSED SYSTEM
 ONE-LINE DIAGRAM



SHEET 4 OF 11

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DEPARTMENT OF CORRECTIONS

DRAPER, UTAH

DRAPER PRISON
 ADMIN/ACADEMY
 UNDERGROUND POWER UPGRADE

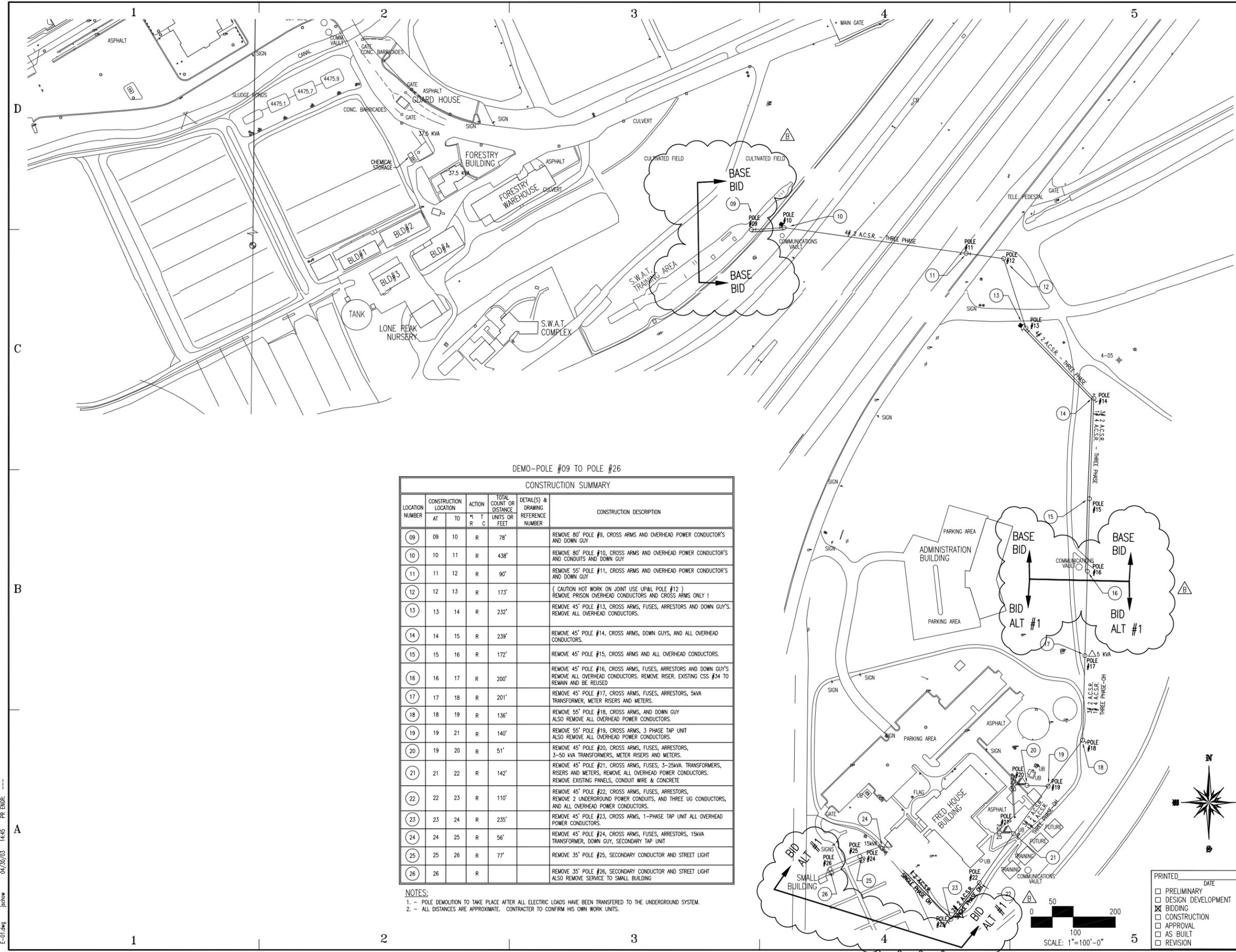
STATE PROPERTY ID. #-
 DFCM PROJECT #06139100

B	ADDED BID ALT #1
A	ISSUED FOR BID
MARK	DATE DESCRIPTION
ISSUE DATE:	
PROJECT NO:	167-004
CAD DWG FILE:	
DRAWN BY:	NN
CHECKED BY:	CJH

SHEET TITLE

OVERHEAD SITE FACILITIES DEMOLITION PLAN

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 SHEET 5 OF 11



DEMO-POLE #09 TO POLE #26

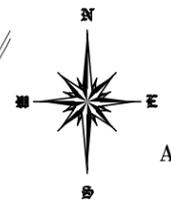
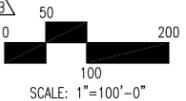
CONSTRUCTION SUMMARY

LOCATION NUMBER	CONSTRUCTION LOCATION		ACTION	TOTAL COUNT OR DISTANCE UNITS OR FEET	DETAIL(S) & DRAWING REFERENCE NUMBER	CONSTRUCTION DESCRIPTION
	AT	TO				
09	09	10	R	78'		REMOVE 80' POLE #9, CROSS ARMS AND OVERHEAD POWER CONDUCTOR'S AND DOWN GUY
10	10	11	R	438'		REMOVE 80' POLE #10, CROSS ARMS AND OVERHEAD POWER CONDUCTOR'S AND CONDUITS AND DOWN GUY
11	11	12	R	90'		REMOVE 55' POLE #11, CROSS ARMS AND OVERHEAD POWER CONDUCTOR'S AND DOWN GUY
12	12	13	R	173'		(CAUTION HOT WORK ON JOINT USE UP&L POLE #12) REMOVE PRISON OVERHEAD CONDUCTORS AND CROSS ARMS ONLY !
13	13	14	R	232'		REMOVE 45' POLE #13, CROSS ARMS, FUSES, ARRESTORS AND DOWN GUY'S. REMOVE ALL OVERHEAD CONDUCTORS.
14	14	15	R	239'		REMOVE 45' POLE #14, CROSS ARMS, DOWN GUY'S, AND ALL OVERHEAD CONDUCTORS.
15	15	16	R	172'		REMOVE 45' POLE #15, CROSS ARMS AND ALL OVERHEAD CONDUCTORS.
16	16	17	R	200'		REMOVE 45' POLE #16, CROSS ARMS, FUSES, ARRESTORS AND DOWN GUY'S REMOVE ALL OVERHEAD CONDUCTORS. REMOVE RISER. EXISTING CSS #34 TO REMAIN AND BE REUSED
17	17	18	R	201'		REMOVE 45' POLE #17, CROSS ARMS, FUSES, ARRESTORS, SWA TRANSFORMER, METER RISERS AND METERS.
18	18	19	R	136'		REMOVE 55' POLE #18, CROSS ARMS, AND DOWN GUY ALSO REMOVE ALL OVERHEAD POWER CONDUCTORS.
19	19	21	R	140'		REMOVE 55' POLE #19, CROSS ARMS, 3 PHASE TAP UNIT ALSO REMOVE ALL OVERHEAD POWER CONDUCTORS.
20	19	20	R	51'		REMOVE 45' POLE #20, CROSS ARMS, FUSES, ARRESTORS, 3-50 KVA TRANSFORMERS, METER RISERS AND METERS.
21	21	22	R	142'		REMOVE 45' POLE #21, CROSS ARMS, FUSES, 3-25KVA TRANSFORMERS, RISERS AND METERS, REMOVE ALL OVERHEAD POWER CONDUCTORS. REMOVE EXISTING PANELS, CONDUIT WIRE & CONCRETE.
22	22	23	R	110'		REMOVE 45' POLE #22, CROSS ARMS, FUSES, ARRESTORS, REMOVE 2 UNDERGROUND POWER CONDUITS, AND THREE UG CONDUCTORS, AND ALL OVERHEAD POWER CONDUCTORS.
23	23	24	R	235'		REMOVE 45' POLE #23, CROSS ARMS, 1-PHASE TAP UNIT ALL OVERHEAD POWER CONDUCTORS.
24	24	25	R	56'		REMOVE 45' POLE #24, CROSS ARMS, FUSES, ARRESTORS, 15KVA TRANSFORMER, DOWN GUY, SECONDARY TAP UNIT
25	25	26	R	77'		REMOVE 35' POLE #25, SECONDARY CONDUCTOR AND STREET LIGHT
26	26		R			REMOVE 35' POLE #26, SECONDARY CONDUCTOR AND STREET LIGHT ALSO REMOVE SERVICE TO SMALL BUILDING

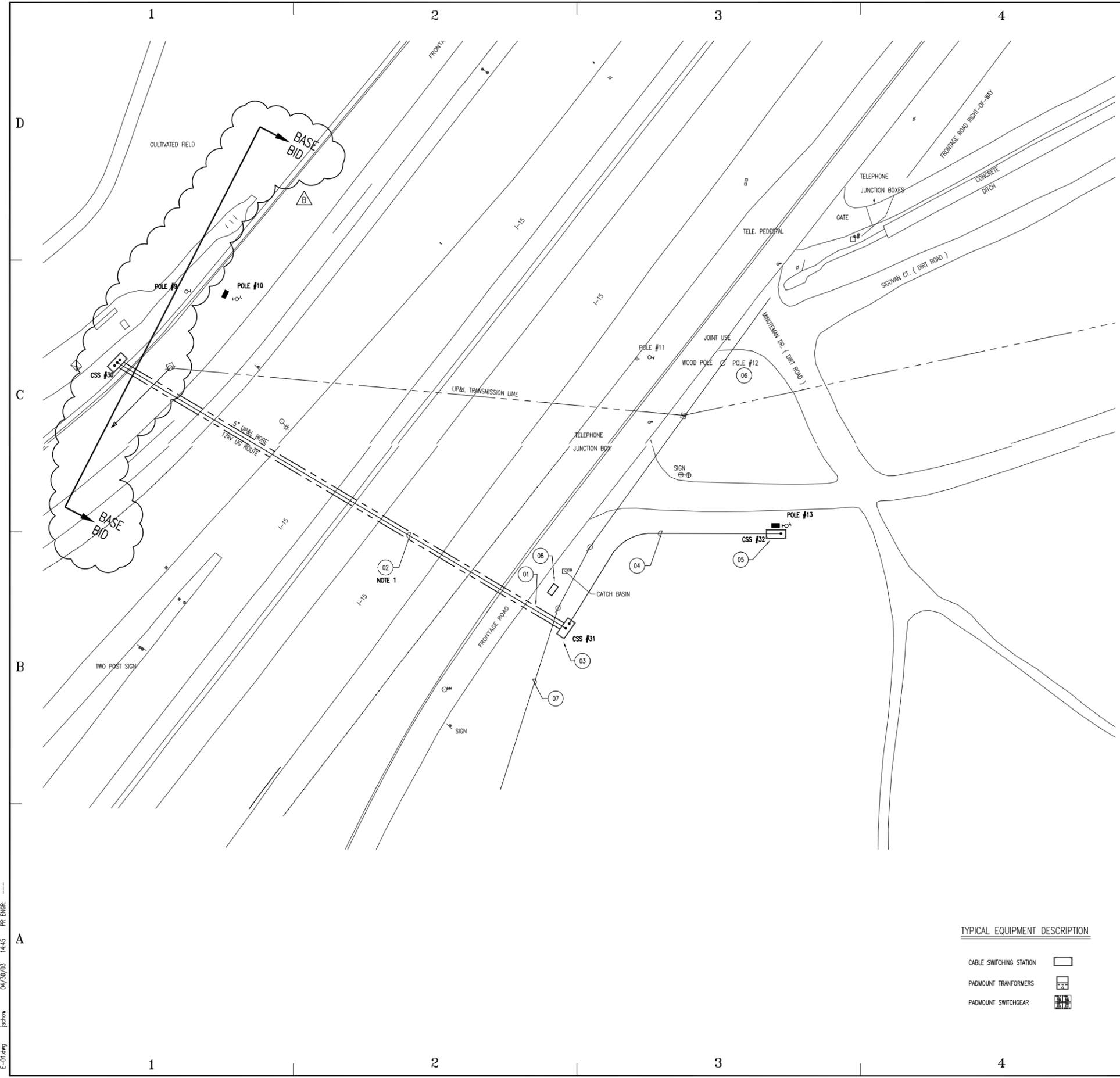
NOTES:
 1. - POLE DEMOLITION TO TAKE PLACE AFTER ALL ELECTRIC LOADS HAVE BEEN TRANSFERRED TO THE UNDERGROUND SYSTEM.
 2. - ALL DISTANCES ARE APPROXIMATE. CONTRACTOR TO CONFIRM HIS OWN WORK UNITS.

PRINTED _____ DATE _____ FOR _____

- PRELIMINARY
- DESIGN DEVELOPMENT
- BIDDING
- CONSTRUCTION
- APPROVAL
- AS BUILT
- REVISION



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CONSTRUCTION SUMMARY			
LOCATION NUMBER	CONSTRUCTION LOCATION		CONSTRUCTION DESCRIPTION
	AT	TO	
01	HIGHWAY BORE	CSS #31	LOCATE EXISTING 6" HDPE CONDUIT THAT HAS BEEN INSTALLED UNDER HIGHWAY. EXTEND (1) 6" PVC CONDUITS TO CSS #31.
02	CSS #30	CSS #31	INSTALL (3) 2/0 CU 15KV CABLES AND (1) 2/0 CU 600V NEUTRAL INSULATED CABLE IN NEW AND EXISTING CONDUIT.
03	CSS #31		INSTALL (1) 4 POSITION CSS
04	CSS #31	CSS #32	INSTALL (1) 15KV 3Ø CIRCUIT
05	CSS #32		INSTALL (1) 4 POSITION CSS
06	POLE #12		PACIFICORP POLE
07			PACIFICORP 12.5KV POWER LINE
08			PACIFICORP SWITCH

15KV 3Ø CIRCUIT - CONSISTS OF (2) - 5" PVC CONDUITS. ONE CONDUIT CONTAINS (3) 2/0 COPPER 15KV CABLES AND (1) 2/0 COPPER NEUTRAL 600V INSULATED CABLE. SEE SPECIFICATIONS FOR CABLE SPECS. THE SECOND 5" PVC CONDUIT IS A SPARE.

NOTE:
1. - 6" HDPE CONDUIT AND BORE INSTALLED BY OTHERS.

TYPICAL EQUIPMENT DESCRIPTION

- CABLE SWITCHING STATION
- PADMOUNT TRANSFORMERS
- PADMOUNT SWITCHGEAR



PRINTED _____ DATE _____ FOR _____
<input type="checkbox"/> PRELIMINARY
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<input type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> APPROVAL
<input type="checkbox"/> AS BUILT
<input type="checkbox"/> REVISION



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DEPARTMENT OF CORRECTIONS

DRAPER, UTAH

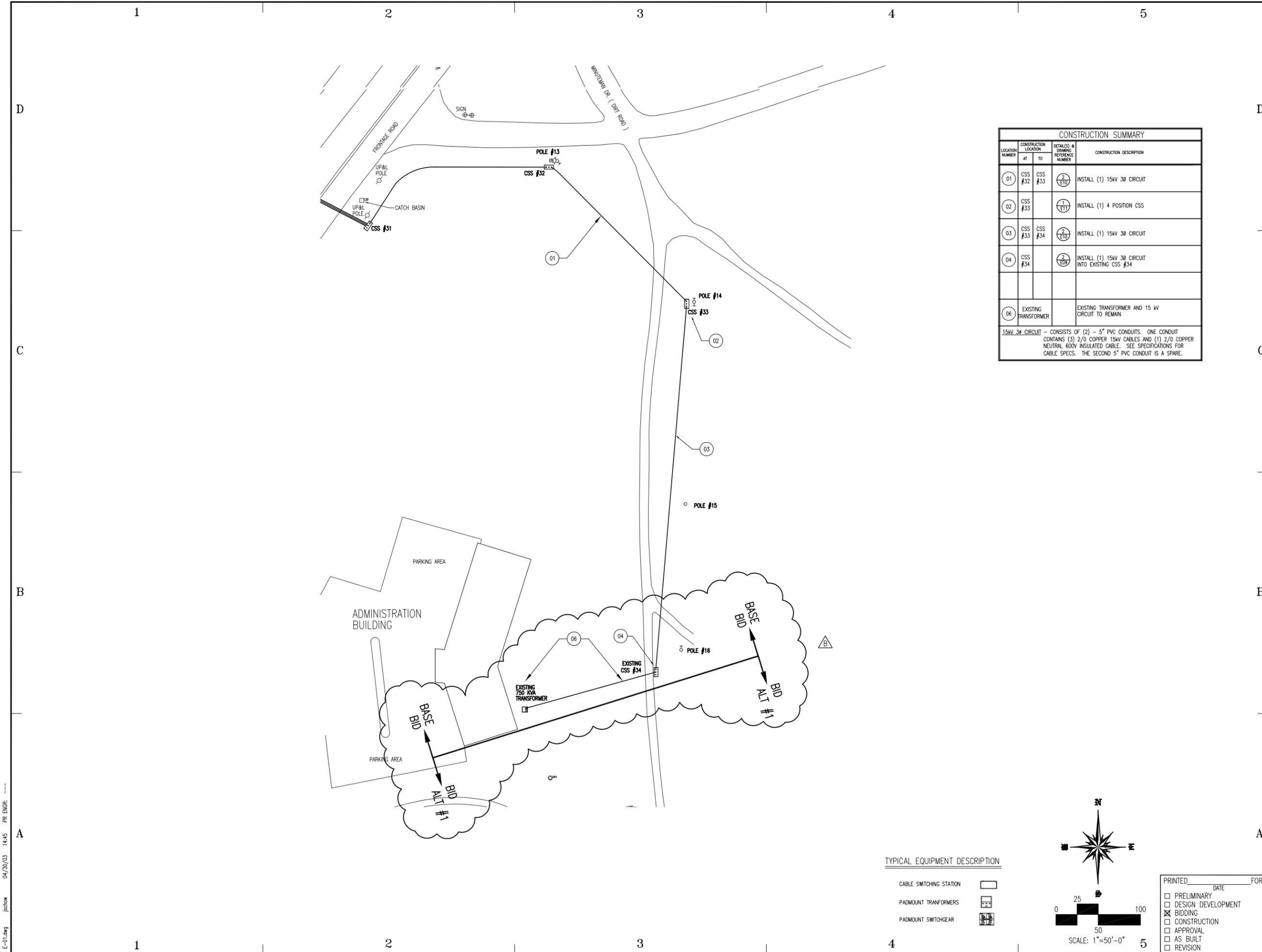
DRAPER PRISON ADMIN/ACADEMY UNDERGROUND POWER UPGRADE

STATE PROPERTY ID. #-
DFCM PROJECT #06139100

B	ADDED BID ALT #1	
A	ISSUED FOR BID	
MARK	DATE	DESCRIPTION
ISSUE DATE:		
PROJECT NO:		167-004
CAD DWG FILE:		
DRAWN BY:		NN
CHECKED BY:		CJH

SHEET TITLE
NEW SITE FACILITY ELECTRIC— SHEET 1

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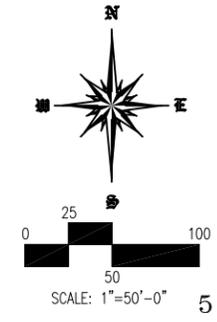


CONSTRUCTION SUMMARY				
LOCATION NUMBER	CONSTRUCTION LOCATION		DETAIL(S) & DRAWING REFERENCE NUMBER	CONSTRUCTION DESCRIPTION
	AT	TO		
01	CSS #32	CSS #33	2 E10	INSTALL (1) 15KV 3Ø CIRCUIT
02	CSS #33		1 E11	INSTALL (1) 4 POSITION CSS
03	CSS #33	CSS #34	2 E10	INSTALL (1) 15KV 3Ø CIRCUIT
04	CSS #34		2 E09	INSTALL (1) 15KV 3Ø CIRCUIT INTO EXISTING CSS #34
06	EXISTING TRANSFORMER			EXISTING TRANSFORMER AND 15 KV CIRCUIT TO REMAIN

15KV 3Ø CIRCUIT - CONSISTS OF (2) - 5" PVC CONDUITS. ONE CONDUIT CONTAINS (3) 2/0 COPPER 15KV CABLES AND (1) 2/0 COPPER NEUTRAL 600V INSULATED CABLE. SEE SPECIFICATIONS FOR CABLE SPECS. THE SECOND 5" PVC CONDUIT IS A SPARE.

TYPICAL EQUIPMENT DESCRIPTION

- CABLE SWITCHING STATION
- PADMOUNT TRANSFORMERS
- PADMOUNT SWITCHGEAR



- PRINTED _____ DATE _____ FOR _____
- PRELIMINARY
 - DESIGN DEVELOPMENT
 - BIDDING
 - CONSTRUCTION
 - APPROVAL
 - AS BUILT
 - REVISION



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DEPARTMENT OF CORRECTIONS

DRAPER, UTAH

DRAPER PRISON
 ADMIN/ACADEMY
 UNDERGROUND POWER
 UPGRADE

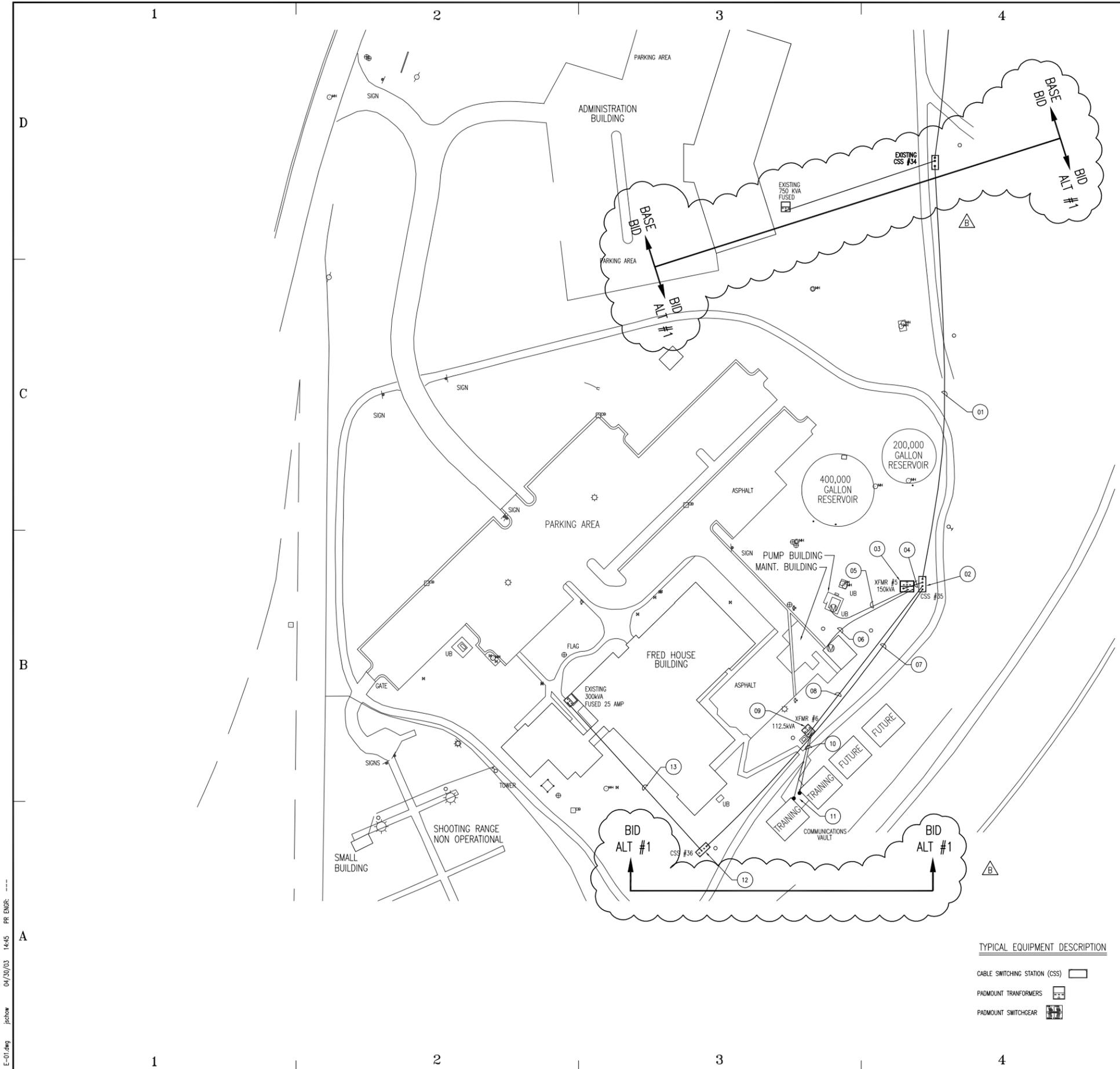
STATE PROPERTY ID. #-
 DFCM PROJECT #06139100

B	ADDED BID ALT #1	
A	ISSUED FOR BID	
MARK	DATE	DESCRIPTION

ISSUE DATE:
 PROJECT NO: 167-004
 CAD DWG FILE:
 DRAWN BY: NN
 CHECKED BY: CJH

SHEET TITLE
 NEW SITE FACILITY
 ELECTRIC—
 SHEET 2

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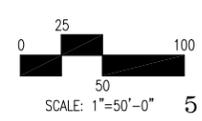
**BID ALT. #3 ELECTRIC
CONSTRUCTION SUMMARY**

LOCATION NUMBER	CONSTRUCTION LOCATION	DETAILS & DRAWING REFERENCE NUMBER	CONSTRUCTION DESCRIPTION
01	CSS #34	CSS #35 2 E10	INSTALL (1) 15KV 3Ø CIRCUIT
02	CSS #35	1 E11	INSTALL (1) 4 POSITION CSS
03	XFMR #5	2 E11	INSTALL (1) 150KVA 3Ø TRANSFORMER.
04	CSS #35	2 E10	INSTALL (1) 15KV 3Ø CIRCUIT
05	XFMR #5	3 E09	INSTALL (1) 3" CONDUIT WITH (4) 4/0 CU THWN CONDUCTORS & #6 GND. TERMINATE CONDUIT AND CABLES AT EXISTING DISCONNECT ON BUILDING. INSTALL SERVICE GROUNDING.
06	XFMR #5	3 E09	INSTALL (1) 2" CONDUIT WITH (4) 2/0 CU THWN CONDUCTORS & #6 GND. TERMINATE CONDUIT AND CABLES AT EXISTING DISCONNECT ON BUILDING. INSTALL SERVICE GROUNDING.
07	CSS #35	2 E10	INSTALL (1) 15KV 3Ø CIRCUIT
08	CSS #35	2 E10	INSTALL (1) 15KV 3Ø CIRCUIT
09	XFMR #6	2 E11	INSTALL (1) 112.5KVA 3Ø TRANSFORMER.
10	XFMR #6	4 E09	LOCATE AND INTERCEPT (2) EXISTING CONDUITS WITH CABLES TO TRAINING BUILDINGS. EXTEND CONDUIT TO 112.5KVA PADMOUNT TRANSFORMER. INSTALL (4) 2/0 CU THWN CONDUCTORS & #6 GND IN EACH CONDUITS.
11	TRAINING BLDG	4 E09	INSTALL (1) 125 AMP METER MAIN PANEL AT EACH (2) TRAINING BUILDING. PROVIDE METER. INSTALL SERVICE GROUNDING.
12	CSS #36	5 E09	INSTALL (1) 4 POSITION CABLE SWITCHING STATION. INSTALL (3) ELBOW ARRESTERS.
13	CSS #36	5 E09	LOCATE AND INTERCEPT EXISTING 15KV CIRCUIT TO FRED HOUSE BUILDING. EXTEND CONDUIT AND CABLES TO CSS #36. TERMINATE CABLES AT CSS #36.

15KV 3Ø CIRCUIT - CONSISTS OF (2) - 5" PVC CONCRETE ENCASED CONDUITS. ONE CONDUIT CONTAINS (3) 2/0 COPPER 15KV CABLES AND (1) 2/0 COPPER NEUTRAL 600V INSULATED CABLE. SEE SPECIFICATIONS FOR CABLE SPECS. THE SECOND 5" PVC CONDUIT IS A SPARE.

TYPICAL EQUIPMENT DESCRIPTION

- CABLE SWITCHING STATION (CSS)
- PADMOUNT TRANSFORMERS
- PADMOUNT SWITCHGEAR



- PRINTED _____ DATE _____ FOR _____
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DEPARTMENT OF CORRECTIONS

DRAPER, UTAH

**DRAPER PRISON
 ADMIN/ACADEMY
 UNDERGROUND POWER
 UPGRADE**

STATE PROPERTY ID. #-
 DFCM PROJECT #06139100

B	ADDED BID ALT #1	
A	ISSUED FOR BID	
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ISSUE DATE:		
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CAD DWG FILE:		
DRAWN BY: NN		
CHECKED BY: CJH		

SHEET TITLE
**NEW SITE FACILITY
 ELECTRIC
 SHEET 3**

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