UTAH NATIONAL GUARD
CAMP WILLIAMS

SEE SHEET 1A FOR INDEX TO PLAN

SHEET NO.
1

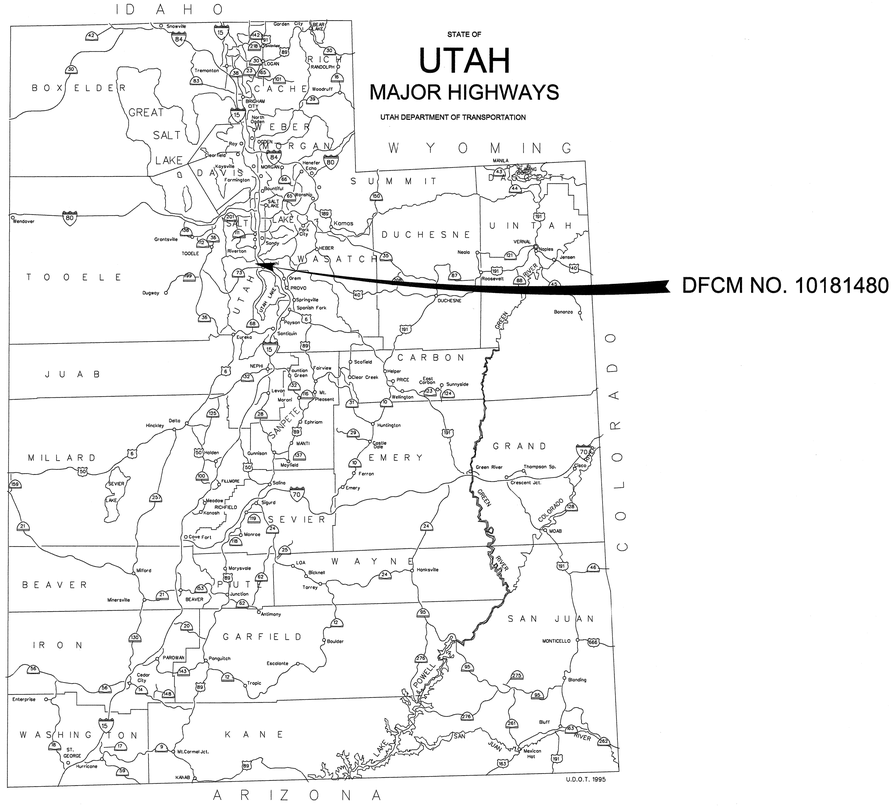
U.S. Standard Units
(Inch-Pound Units)

ALL UNITS IN FEET UNLESS OTHERWISE NOTED

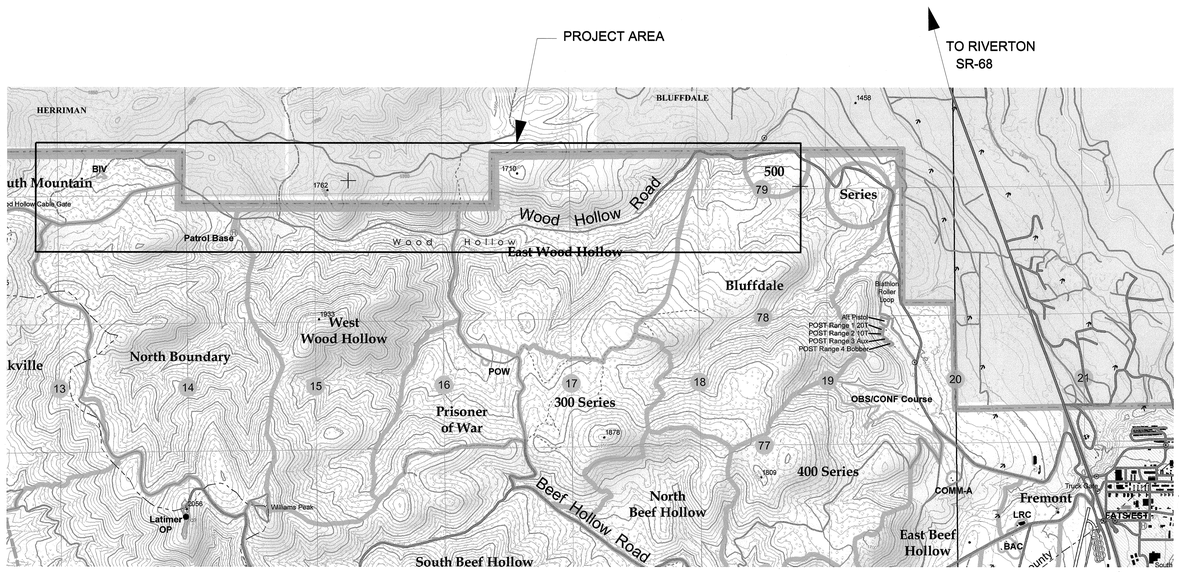
PLANS OF IED DEFEAT LANE

DFCM PROJECT NO. 10181480

UTAH COUNTY
JULY 9, 2010



LOCATION MAP



PROJECT MAP

VERIFIED FOR SUBMISSION FOR ADVERTISEMENT

DESIGN ENGINEER

UTAH NATIONAL GUARD

APPROVED FOR USE BY DFCM

DFCM PRECONSTRUCTION ENGINEER

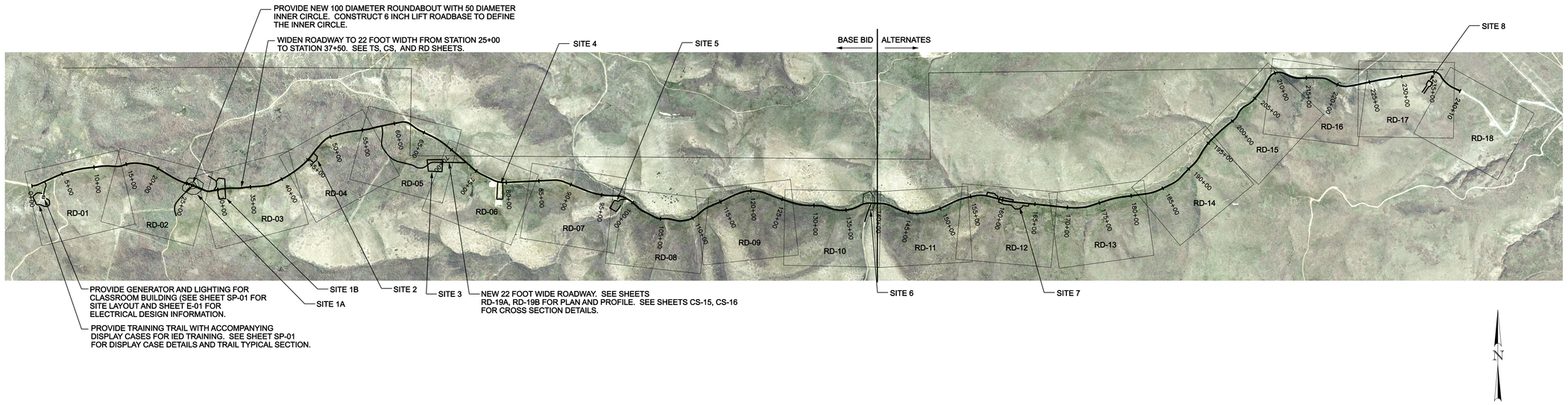
LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290655
STATE OF UTAH

Stanley Consultants INC.
383 West Vine Street
Suite 400
Murray, UT 84123
(801) 293-8880 Fax (801) 293-8886
www.stanleygroup.com

State of Utah-Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT
4110 State Office Building/Salt Lake City, Utah 84114/538-3018

DGN File: Q:\22867\11-CADD\CIED_Lane_Title Sheet.dgn
09-JUL-2010



GENERAL NOTES:

1. PROJECT REQUIREMENTS:
   - A. RECONSTRUCT ROADWAY (2.65 MI - BASE BID, 1.90 MI - ADDITIVE #1).
     1. REGRADE ROADWAY AND PLACE 6 INCHES OF UNTREATED BASE COURSE.
     2. PROVIDE DITCH LINING WHERE SHOWN IN RD SHEETS. USE NORTH AMERICAN GREEN SC250 OR OTHER DITCH LINER AS APPROVED BY THE ENGINEER.
     3. PROVIDE CULVERTS AT LOCATIONS SPECIFIED IN THE RD SHEETS.
   - B. CONSTRUCT TRAINING TRAIL AND PLACE PRECONSTRUCTED DISPLAY CASES IN ACCORDANCE WITH DETAILS SHOWN ON SP-01.
   - C. GRADE SITES 1A, 1B, AND 2-6 FOR CONEX PLACEMENT AS PART OF THE BASE BID.
   - D. GRADE SITES 7 AND 8 FOR CONEX PLACEMENT AS PART OF ADDITIVE #2.
   - E. PLACE CONEX STRUCTURES, CUT DOOR AND WINDOW OPENINGS, ADJUST DOORWAYS AND COVER WITH PLYWOOD AND PAINT IN ACCORDANCE WITH DETAILS SHOWN ON DT-01.

2. KNOWN SEWER MAINS, WATER MAINS, GAS MAINS, STORM DRAINS, IRRIGATION LINES, TELEPHONE CONDUITS, ELECTRIC CABLES AND OTHER UNDERGROUND STRUCTURES ARE SHOWN ON THE DRAWING ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER. IT IS EXPECTED THAT THERE MAY BE DISCREPANCIES AND OMISSIONS IN THE LOCATION AND QUANTITIES OF THE UTILITIES AND STRUCTURES SHOWN. THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR BUT IS NOT GUARANTEED TO BE EITHER CORRECT OR COMPLETE, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED. THE CONTRACTOR SHALL MAKE SUCH INVESTIGATION, AS HE THINKS NECESSARY TO VERIFY ITS CORRECTNESS AND COMPLETENESS. THE CONTRACTOR SHALL, AHEAD OF THE EXCAVATOR, LOCATE UNDERGROUND UTILITIES AND STRUCTURES SO THAT THEY WILL NOT BE ACCIDENTALLY CUT OR DAMAGED BY HIS CONSTRUCTION OPERATION, AND SO THAT THE GRADE OF THE PIPE CAN BE ADJUSTED.

3. NOTIFY THE NATIONAL ONE CALL CENTER 2 WORKING DAYS PRIOR TO ANY EXCAVATION. CALL THE NATIONAL ONE CALL CENTER NUMBER AT 811 TO SCHEDULE VISIT. DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BY POTHOLING IN ADVANCE OF TRENCHING OPERATIONS. NOTIFY THE ENGINEER AND PROJECT REPRESENTATIVE OF ANY POTHOLED UTILITIES IN CONFLICT WITH PROPOSED CONSTRUCTION AND RESOLVE CONFLICT IN ADVANCE OF CONSTRUCTION OPERATIONS.

4. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO AND REPAIR OF ADJACENT SURFACE IMPROVEMENTS OR FACILITIES DURING CONSTRUCTION.

5. CONDUCT CONSTRUCTION OPERATIONS AND PLACE SIGNS, BARRICADES, AND FLASHERS TO COMPLY WITH OSHA, LOCAL SAFETY STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (ANSI D6.1).

6. REPLACE EXISTING FENCING DISTURBED BY CONSTRUCTION AS NEAR AS REASONABLY POSSIBLE TO THE ORIGINAL HORIZONTAL LOCATION UNLESS OTHERWISE REQUIRED ON THE DRAWINGS.

7. ALL SURVEYING REQUIRED BY THE CONTRACTOR SHALL BE PROVIDED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. SURVEY CONTROL AND DATA DEVELOPED BY STANLEY CONSULTANTS, INC. IS AVAILABLE TO CONTRACTOR UPON REQUEST.

8. CONTRACTOR SHALL COORDINATE ALL ACTIVITIES ON SITE WITH CAMP WILLIAMS RANGE CONTROL. SITE IS WITHIN AN ACTIVE MILITARY TRAINING AND RANGE FACILITY. ALL OF CONTRACTOR'S PERSONNEL SHALL COMPLETE RANGE SAFETY AND UXO TRAINING FROM CAMP WILLIAMS RANGE CONTROL PERSONNEL.

9. UNKNOWN EXPLODED ORDNANCE (UX0) MAY BE PRESENT IN THE PROJECT AREA. PRIOR TO ANY CLEARANCE, GRUBBING, OR OTHER WORK ACTIVITIES ON SITE, CONTRACTOR SHALL VISUALLY INSPECT ALL AREAS WHERE CONTRACTOR ACTIVITIES WILL OCCUR, INCLUDING STAGING AND SEQUENCING AREAS, TO VERIFY WORK CAN PROCEED. ANY SUSPECTED UX0 FOUND BY CONTRACTOR'S PERSONNEL SHALL BE REPORTED IMMEDIATELY TO RANGE CONTROL. RANGE CONTROL PERSONNEL WILL BE RESPONSIBLE FOR VERIFICATION OF SUSPECTED UXO, REMOVAL, AND DISPOSAL.

10. BID NOTES:
    - BASE BID: ROADWAY IMPROVEMENTS - LANE 1: STA. 0+00 TO STA. 140+00, STA. 900+00 TO STA. 910+00±
      SITE PREPARATION AND VILLAGE CONSTRUCTION: (SITES 1 - 6)
      TRAINING CLASSROOM TRAIL
      TRAINING CLASSROOM ELECTRICAL IMPROVEMENTS
    - ALTERNATE 1: ROADWAY IMPROVEMENTS - LANE 2: STA. 140+00 TO 240+15±
    - ALTERNATE 2: SITE PREPARATION AND VILLAGE CONSTRUCTION: (SITES 7 AND 8)
    - ALTERNATE 3: FULL WIDTH ASPHALT PAVEMENT AND CURB AND GUTTER (BOTH SIDES): STA. 1+00 TO STA. 2+00±, STA. 24+50 TO STA. 27+50±
    - ALTERNATE 4: CONCRETE PAD AND BLEACHERS: SITE 8

LEGEND

- CUT LINE
- FILL LINE
- PI POINT
- PC, PT POINT
- 20' x 8' CONEX CONTAINER
- DITCH FLOW LINE - DIRECTION OF FLOW

INDEX TO SHEETS

SHEET NUMBER	NUMBER OF SHEETS	DESCRIPTION
G - 1	1	PROJECT OVERVIEW, INDEX TO SHEETS & SUMMARY
SC - 1	1	SURVEY CONTROL SHEET
RD-01 TO RD-18, RD-19A-B	20	ROADWAY PLAN AND PROFILE SHEETS
CS-01 TO CS-16	16	CROSS SECTION SHEETS
SP-01 TO SP-09	9	SITE PLAN SHEETS
DT-01 TO DT-02	2	DETAIL SHEETS
E-01	1	ELECTRICAL DETAIL SHEET

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

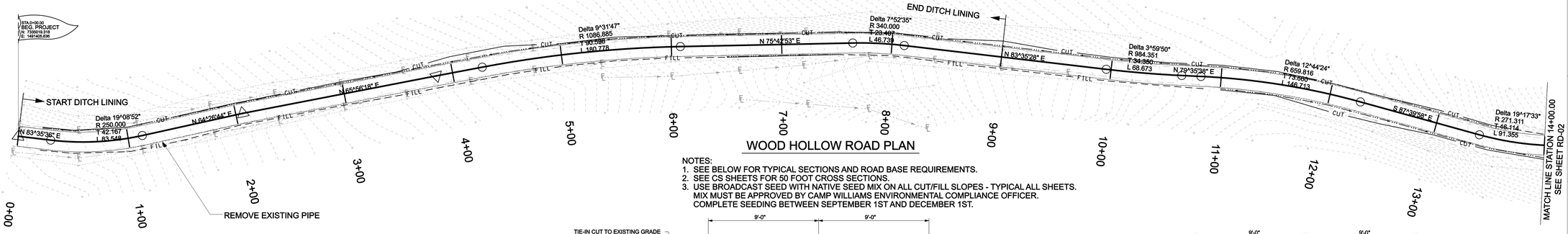
SHEET TITLE:

OVERVIEW, INDEX & SUMMARY SHEET

SHEET NUMBER:

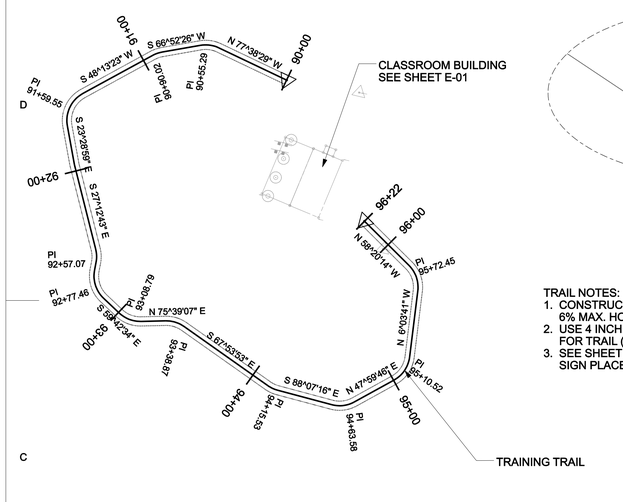
G - 1

09-JUL-2010 DGN File:Q:\22867\11-CADD\CIED Lane 1-A.dgn

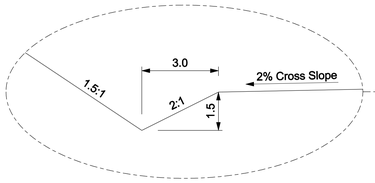


WOOD HOLLOW ROAD PLAN

NOTES:
1. SEE BELOW FOR TYPICAL SECTIONS AND ROAD BASE REQUIREMENTS.
2. SEE CS SHEETS FOR 50 FOOT CROSS SECTIONS.
3. USE BROADCAST SEED WITH NATIVE SEED MIX ON ALL CUT/FILL SLOPES - TYPICAL ALL SHEETS. MIX MUST BE APPROVED BY CAMP WILLIAMS ENVIRONMENTAL COMPLIANCE OFFICER. COMPLETE SEEDING BETWEEN SEPTEMBER 1ST AND DECEMBER 1ST.

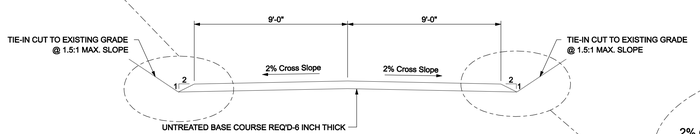


TRAIL NOTES:
1. CONSTRUCT TRAIL 6 FEET WIDE WITH 6% MAX. HORIZONTAL CROSS SLOPE.
2. USE 4 INCHES OF UNTREATED BASE COURSE FOR TRAIL (SEE SP-01).
3. SEE SHEET SP-01 FOR TRAIL GRADING AND SIGN PLACEMENT AND DETAILS.

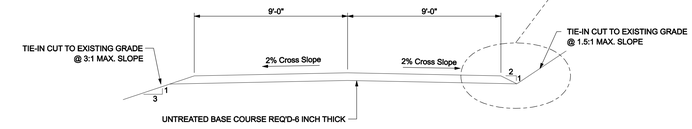


TYPICAL ROAD SIDE DITCH

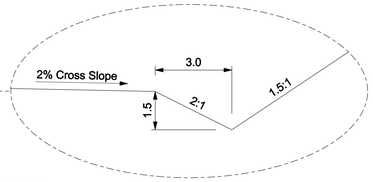
TYPICAL SECTION 01-A
STATION 0+00 TO 6+50
STATION 7+50 TO 11+00



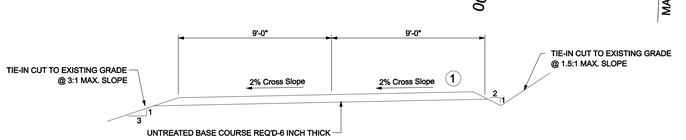
TYPICAL SECTION 01-B
STATION 6+50 TO 7+50
STATION 11+00 TO 13+50



TYPICAL SECTION 01-C
STATION 13+50 TO 14+00



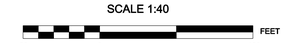
TYPICAL ROAD SIDE DITCH

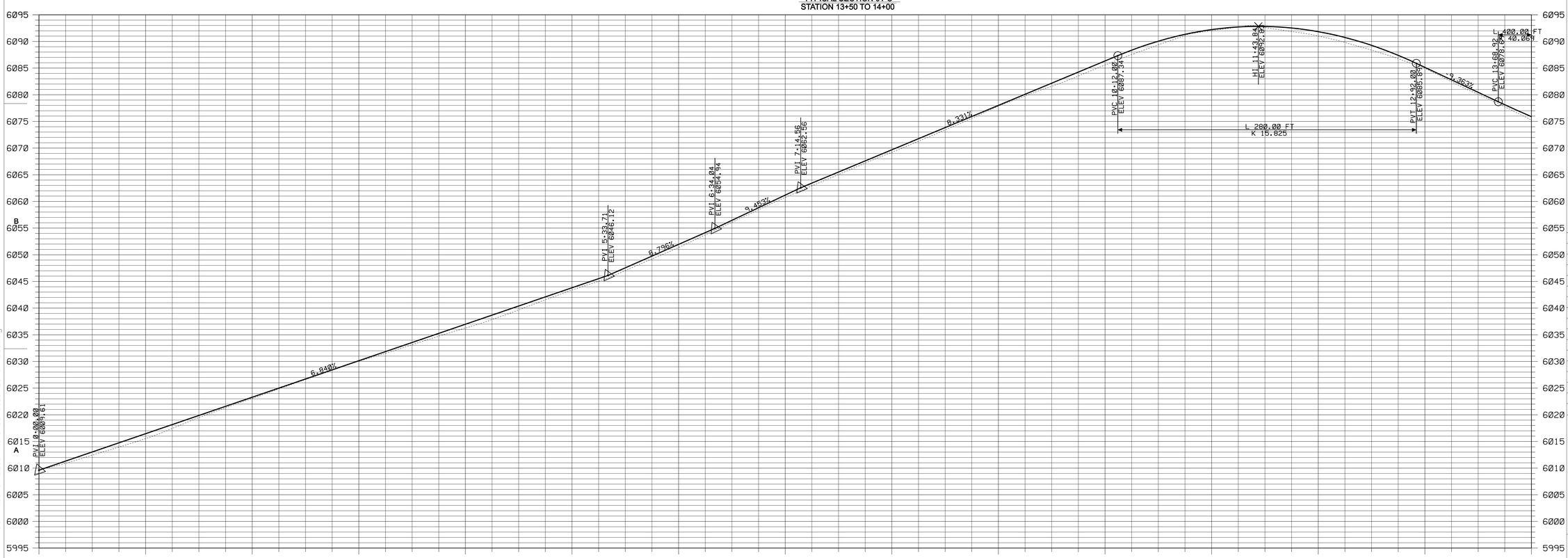


TYPICAL SECTION 02-C
STATION 14+00

SECTION NOTES:

1 TRANSITION TO 2% SUPERELEVATION FROM 13+50 TO 14+00 AND OUT OF 14+00 TO 14+50





WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

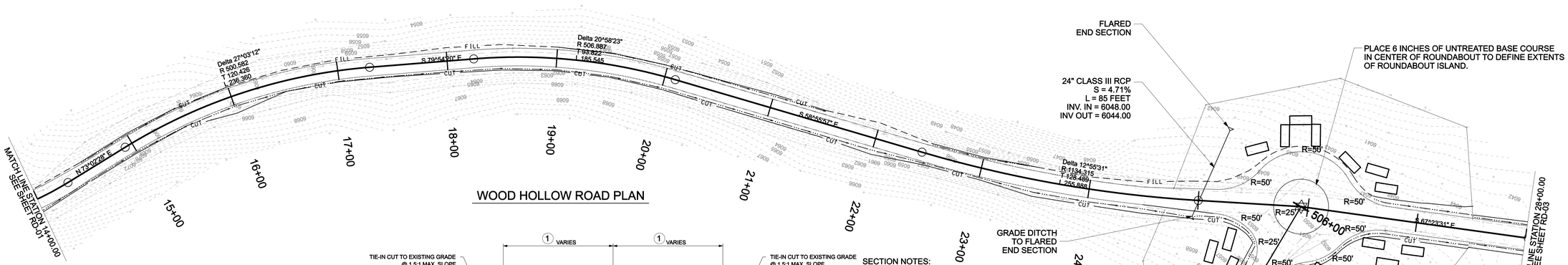
SHEET TITLE:

ROADWAY DESIGN SHEET

SHEET NUMBER:

RD-01

07-JUL-2010 DGN Files G:\22867\11-CADD\CIED Lane RD_01.dgn



WOOD HOLLOW ROAD PLAN

FLARED END SECTION

24" CLASS III RCP
S = 4.71%
L = 85 FEET
INV. IN = 6048.00
INV OUT = 6044.00

PLACE 6 INCHES OF UNTREATED BASE COURSE IN CENTER OF ROUNDABOUT TO DEFINE EXTENTS OF ROUNDABOUT ISLAND.

GRADE DITCTH TO FLARED END SECTION

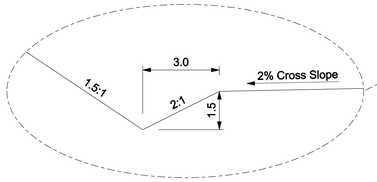
SECTION NOTES:

1. 9' (STATION 14+00 TO 14+50)
   8' (STATION 14+50 TO 25+00)
   11' (STATION 25+00 TO 25+15 AND FROM STATION 26+73 TO 28+00)
   ROUNDABOUT INTERSECTION FROM STATION 25+15 TO 26+73
2. TRANSITION TO 2% SUPERELEVATION FROM 13+50 TO 14+00 AND OUT OF 14+00 TO 14+50
3. INTERSECTION FROM 25+00 TO 27+00 - SEE PLAN VIEW FOR DETAILS.

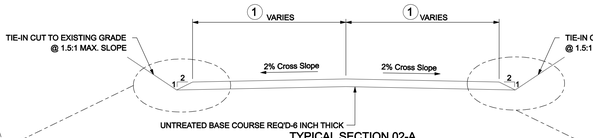
SIDE ROAD

TRAINING SITE 1 - SEE SHEET SP-02 FOR SITE GRADING REQUIREMENTS AND PLACEMENT OF CONEX BUILDINGS.

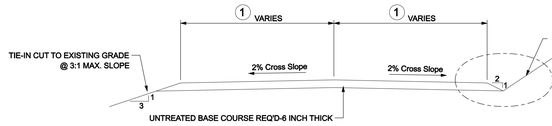
CONSTRUCT SIDE ROAD WITH 6 INCH UNTREATED BASE COURSE. MATCH EXISTING GRADE AT STATION 25+21.11, 140.70 RT (SEE PROFILE ON THIS SHEET)



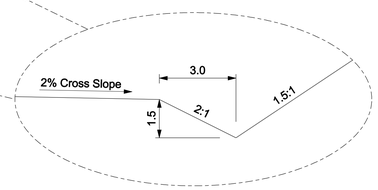
TYPICAL ROAD SIDE DITCH



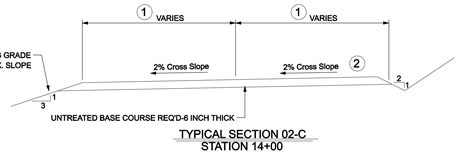
TYPICAL SECTION 02-A
STATION 14+50 TO 16+00
STATION 19+00 TO 21+50
STATION 22+50 TO 23+50
STATION 27+00 TO 28+00



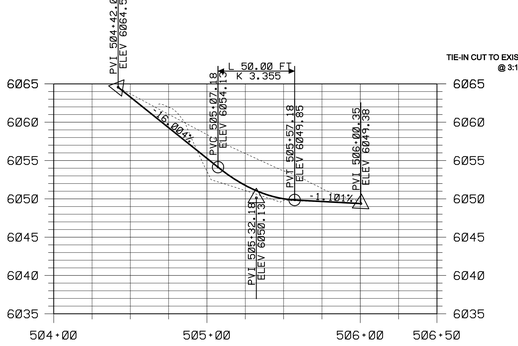
TYPICAL SECTION 02-B
STATION 14+00 TO 14+50
STATION 16+00 TO 19+00
STATION 21+50 TO 22+50
STATION 23+50 TO 25+00



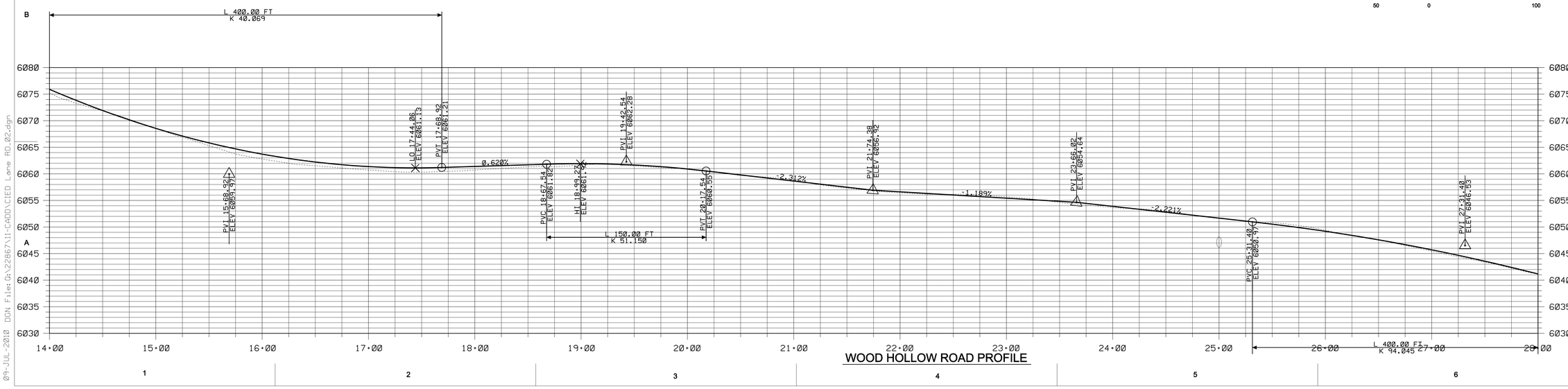
TYPICAL ROAD SIDE DITCH



TYPICAL SECTION 02-C
STATION 14+00



SIDE ROAD PROFILE



WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

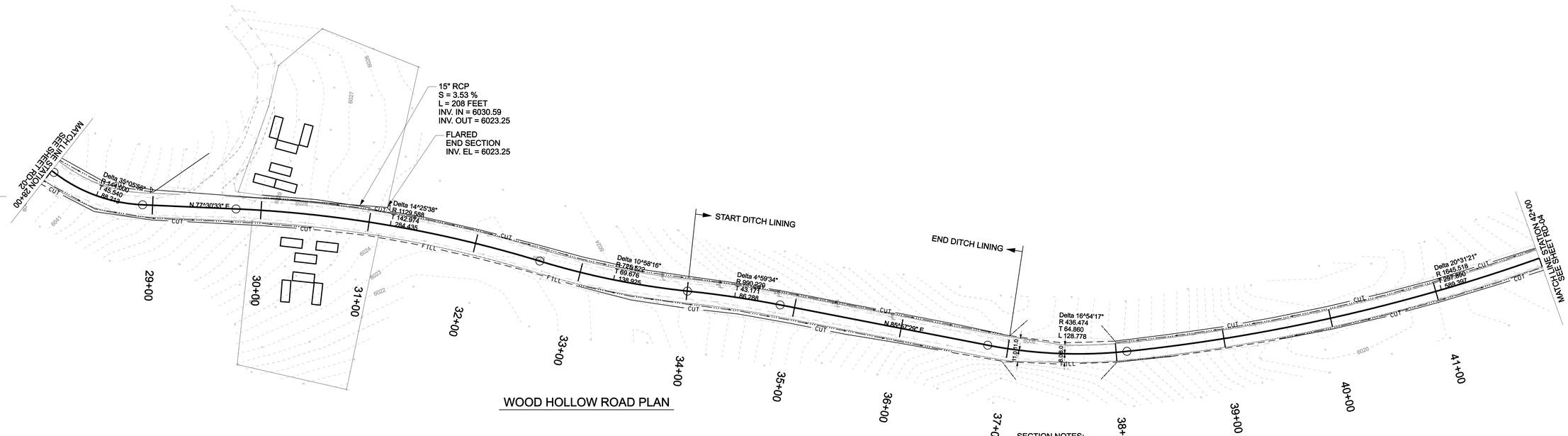
REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:
ROADWAY DESIGN SHEET

SHEET NUMBER:
RD-02

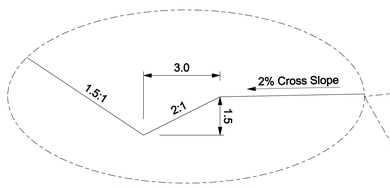
09-JUL-2010 DGN Files G:\22867\11-CADD\CIED_Lane_RD_02.dgn



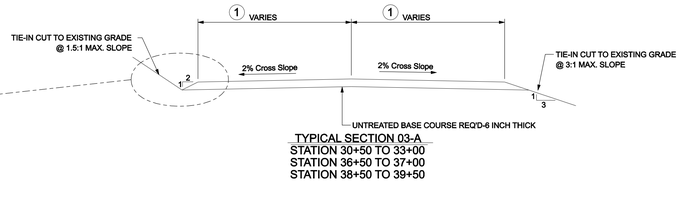
WOOD HOLLOW ROAD PLAN

SECTION NOTES:

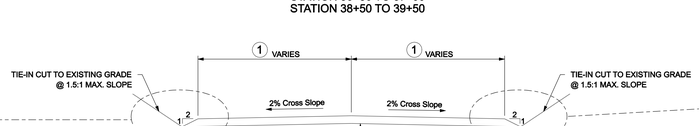
1. 11' (STATION 28+00 TO 37+50)
   8' (STATION 37+50 TO 42+00)
   INTERSECTION FROM STATION 29+22 TO 29+68
2. 2% SUPERELEVATION AT INTERSECTION. MATCH LEFT SIDE INTO EXISTING GROUND. (SEE TYPICAL SECTION 03-D)
3. INTERSECTION FROM STATION 29+20 TO 29+70 - TIE IN TO EXISTING SIDE ROAD AT 2% SLOPE. SEE PLAN VIEW FOR DETAILS.



TYPICAL ROAD SIDE DITCH

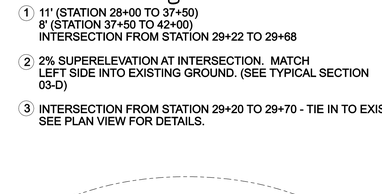


TYPICAL SECTION 03-A
STATION 30+50 TO 33+00
STATION 36+50 TO 37+00
STATION 38+50 TO 39+50

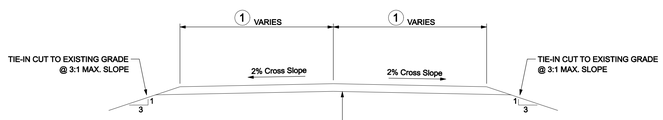


TYPICAL SECTION 03-B
STATION 28+00 TO 30+50*
STATION 33+00 TO 36+50
STATION 38+00 TO 38+50
STATION 39+50 TO 42+00

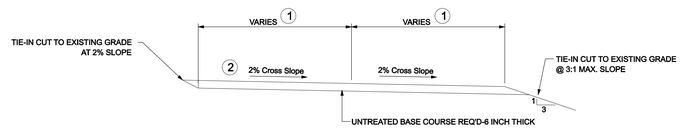
*EXCLUDES INTERSECTION. (3)



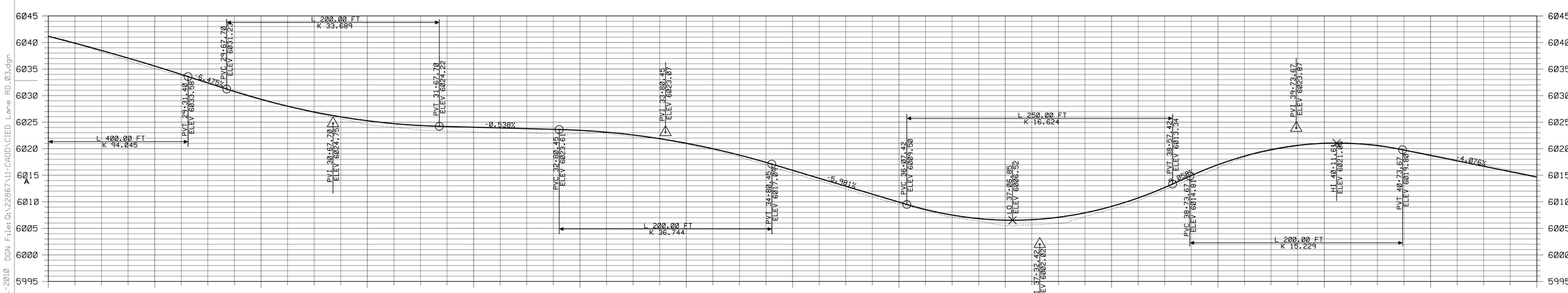
TYPICAL ROAD SIDE DITCH



TYPICAL SECTION 03-C
STATION 37+00 TO 38+00



TYPICAL SECTION 03-D
STATION 29+50



WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:

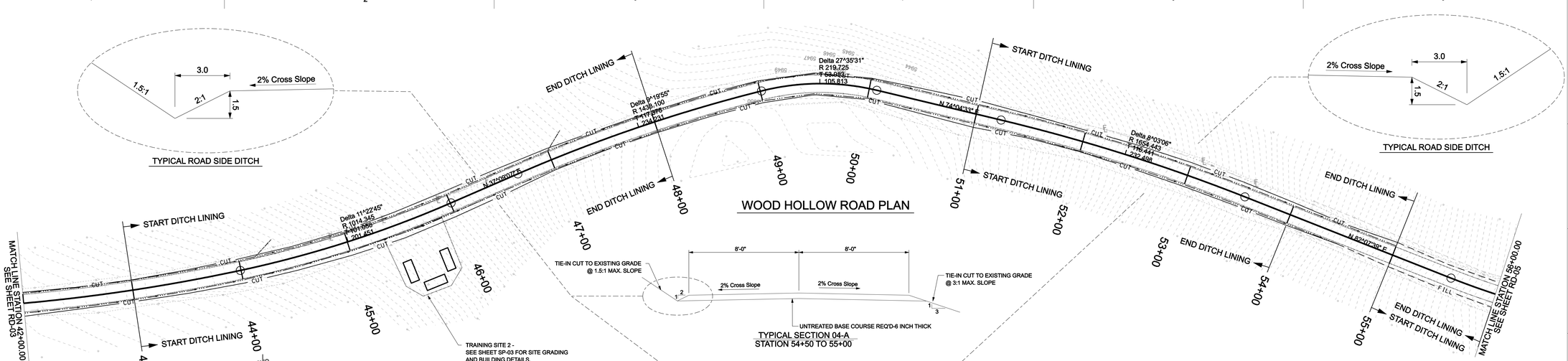
ROADWAY DESIGN SHEET

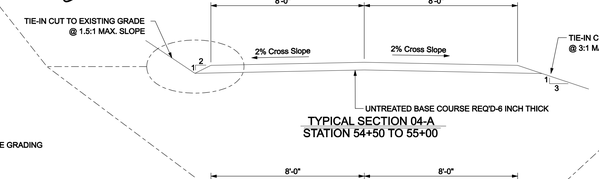
SHEET NUMBER:

RD-03

09-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane RD_03.dgn

TYPICAL ROAD SIDE DITCH

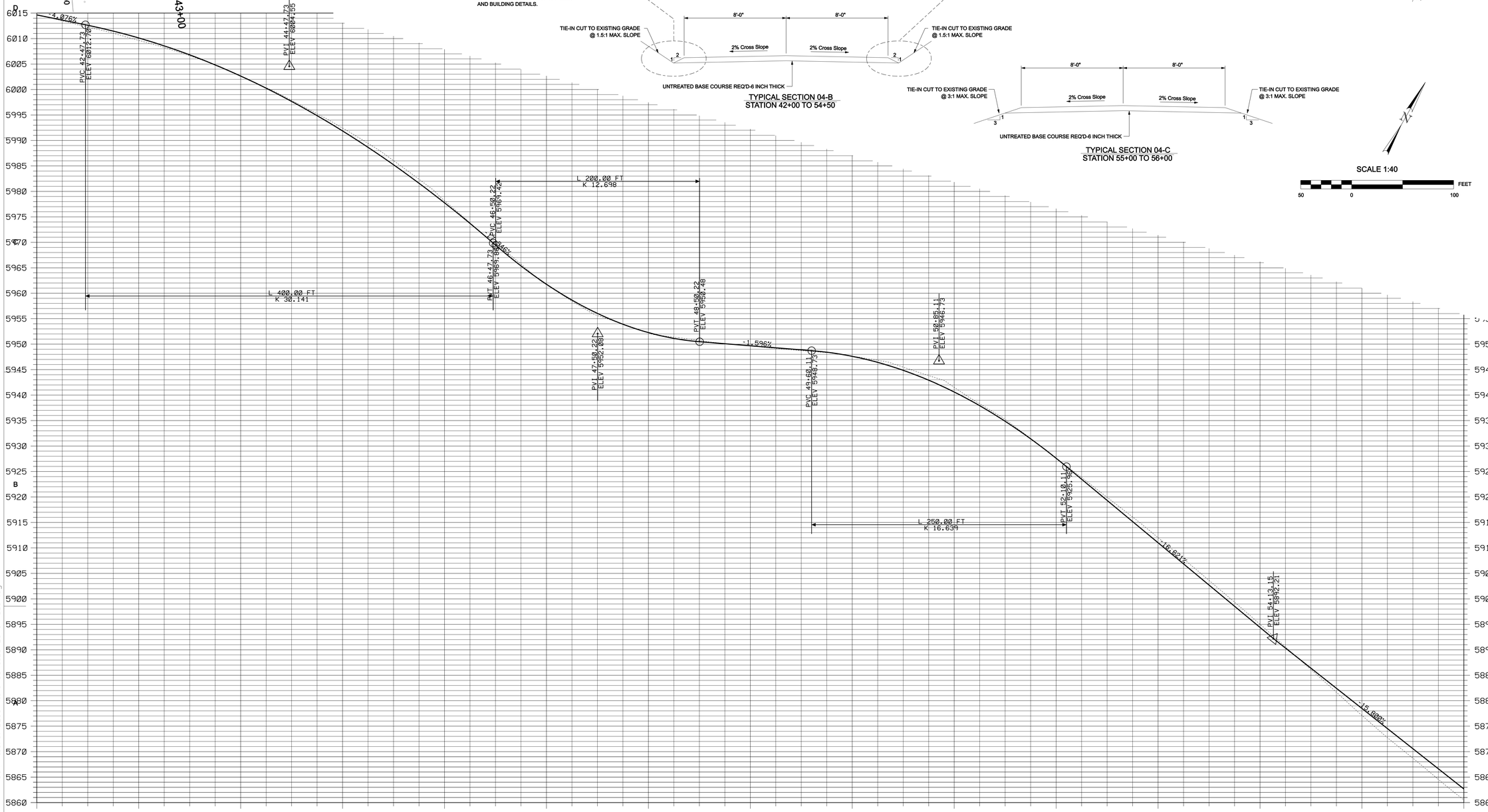




TYPICAL SECTION 04-A
STATION 54+50 TO 55+00

TYPICAL SECTION 04-B
STATION 42+00 TO 54+50

TYPICAL SECTION 04-C
STATION 55+00 TO 56+00



State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

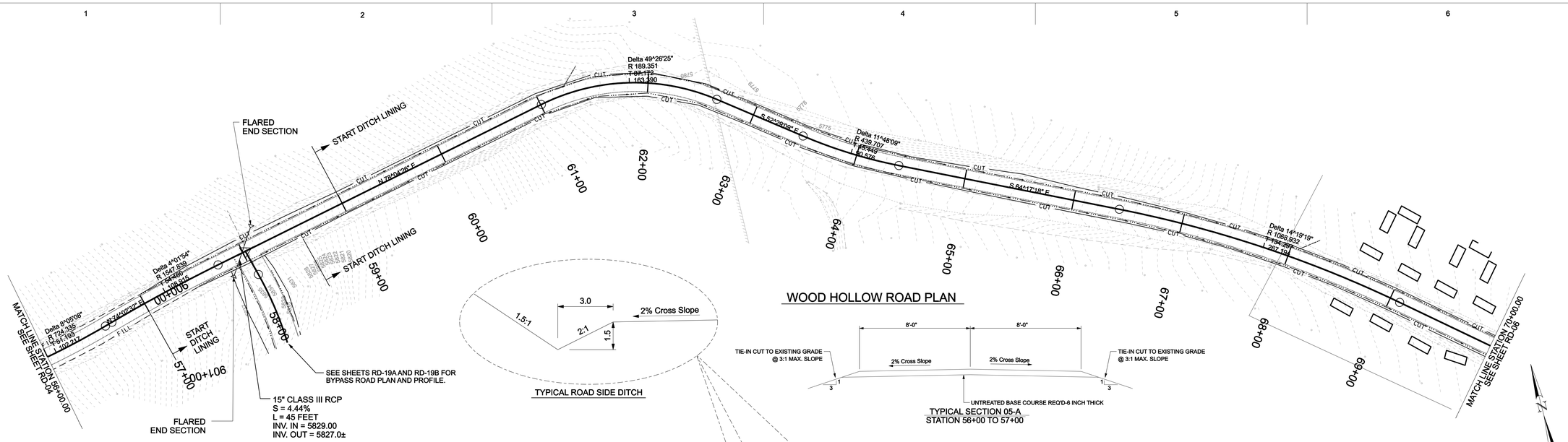
REVISIONS:

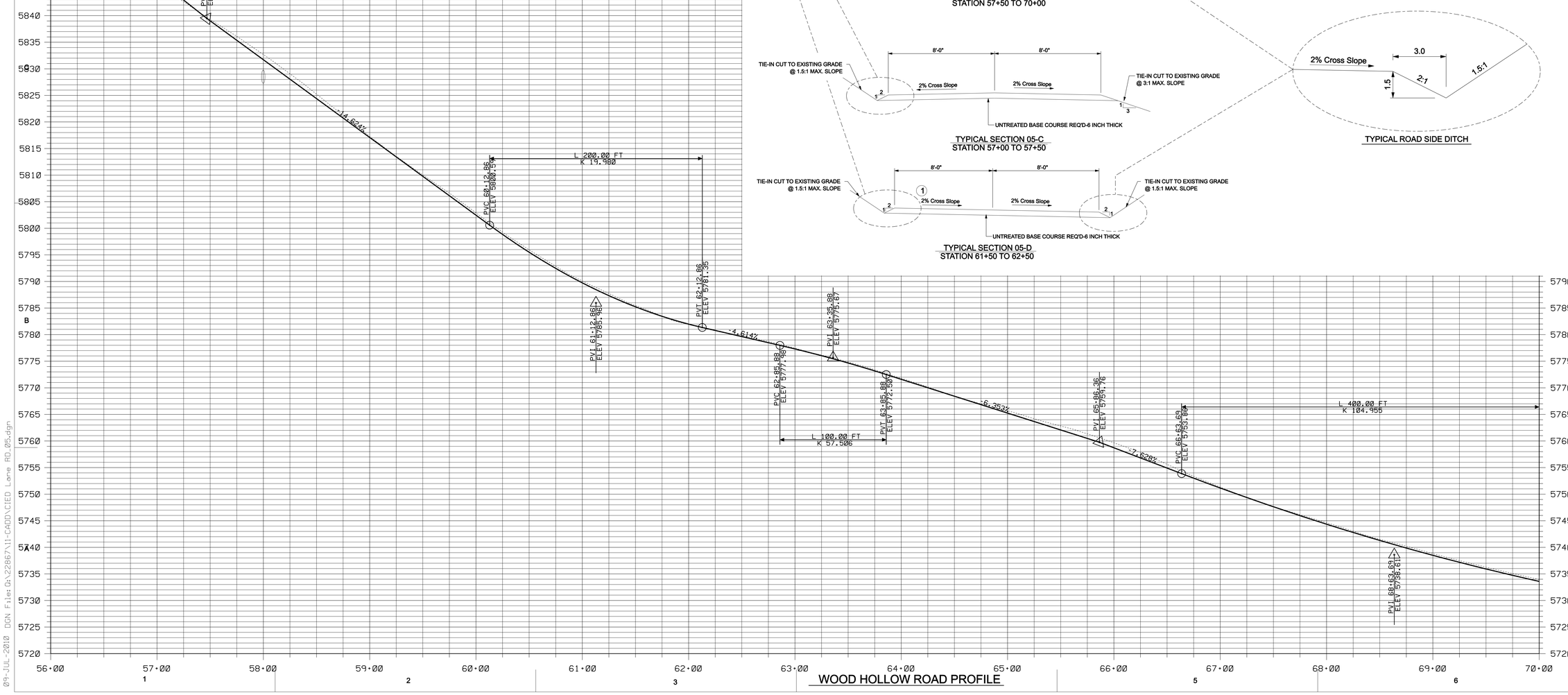
NO.	DATE	DESCRIPTION

SHEET TITLE:
ROADWAY DESIGN SHEET

SHEET NUMBER:
RD-04

07-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane RD_04.dgn





State of Utah
Department of Administrative Services
Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

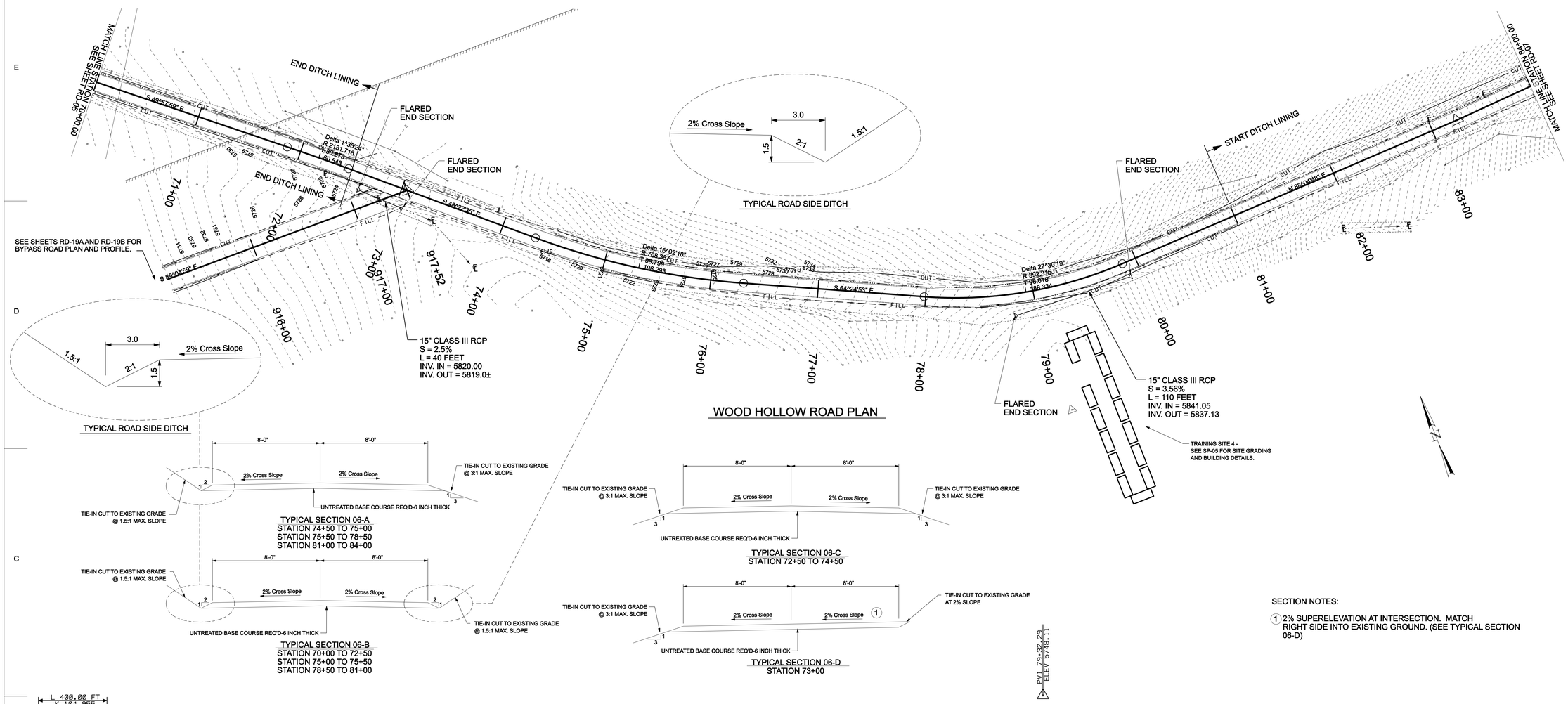
REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:
ROADWAY DESIGN SHEET

SHEET NUMBER:
RD-05

09-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane RD_05.dgn



TYPICAL SECTION 06-A
STATION 74+50 TO 75+00
STATION 75+50 TO 78+50
STATION 81+00 TO 84+00

TYPICAL SECTION 06-B
STATION 70+00 TO 72+50
STATION 75+00 TO 75+50
STATION 78+50 TO 81+00

TYPICAL SECTION 06-C
STATION 72+50 TO 74+50

TYPICAL SECTION 06-D
STATION 73+00

SECTION NOTES:

(1) 2% SUPERELEVATION AT INTERSECTION. MATCH RIGHT SIDE INTO EXISTING GROUND. (SEE TYPICAL SECTION 06-D)

WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

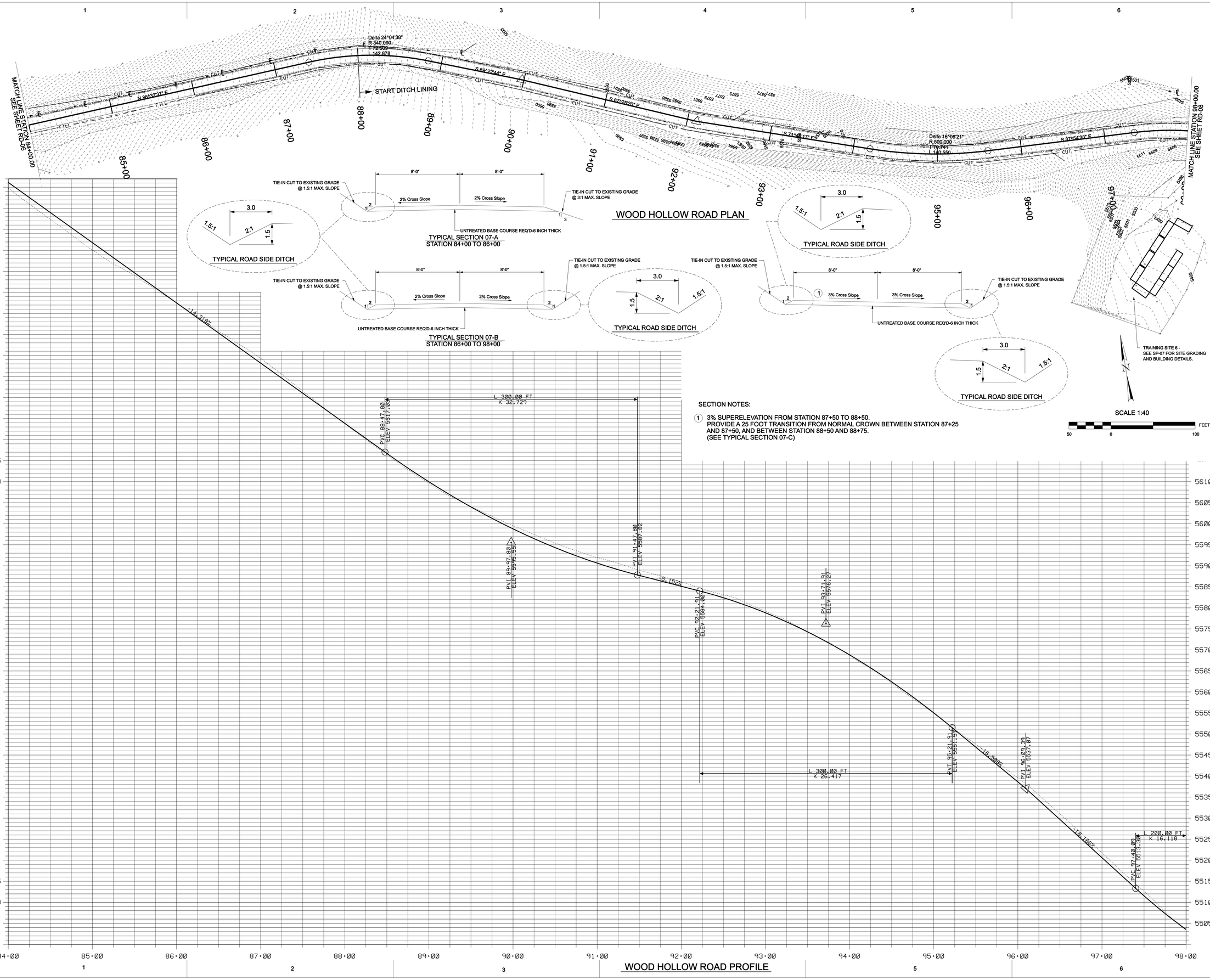
SHEET TITLE:

ROADWAY DESIGN SHEET

SHEET NUMBER:

RD-06

03-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane RD_06.dgn



State of Utah
Department of Administrative Services
Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

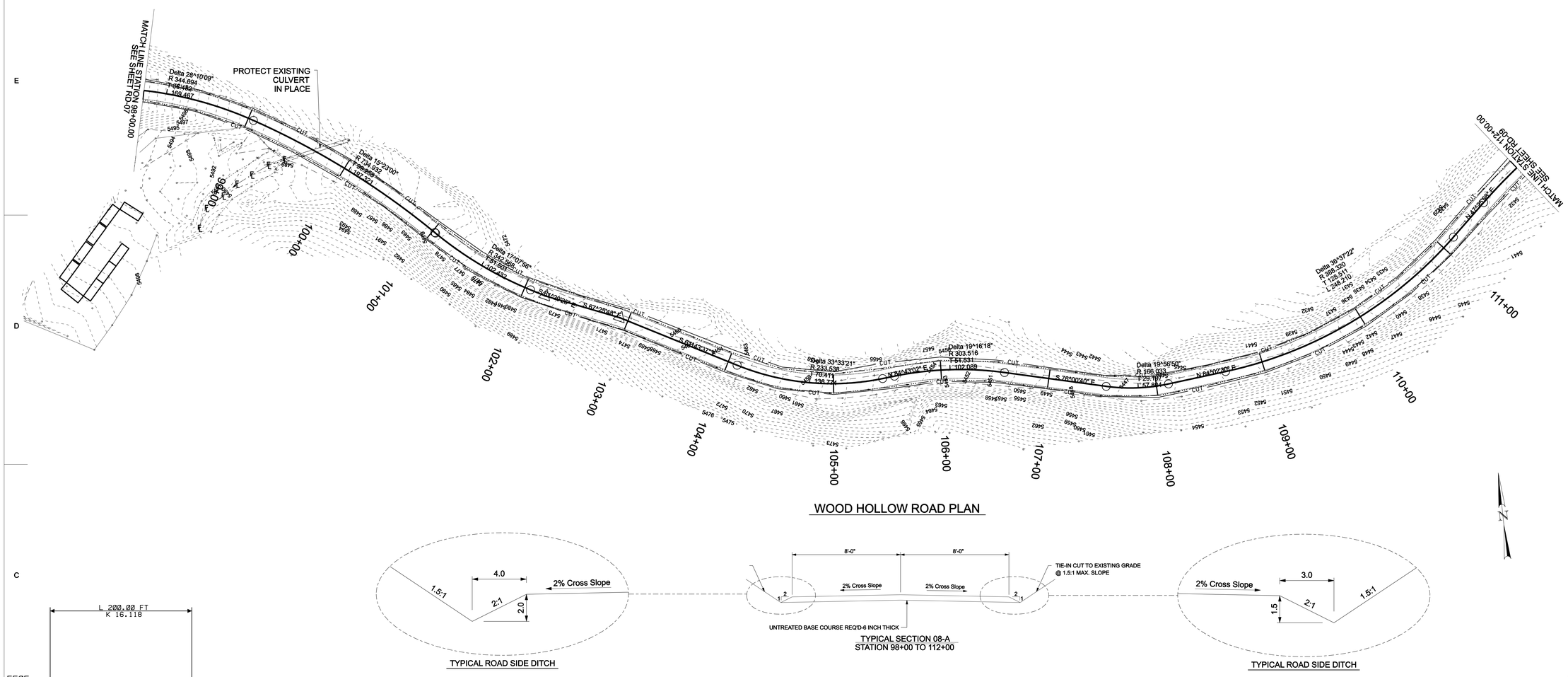
SHEET TITLE:

ROADWAY DESIGN SHEET

SHEET NUMBER:

RD-07

09-JUL-2010 DGN File:Q:\22867\11-CADD\CIED Lane RD_07.dgn



State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

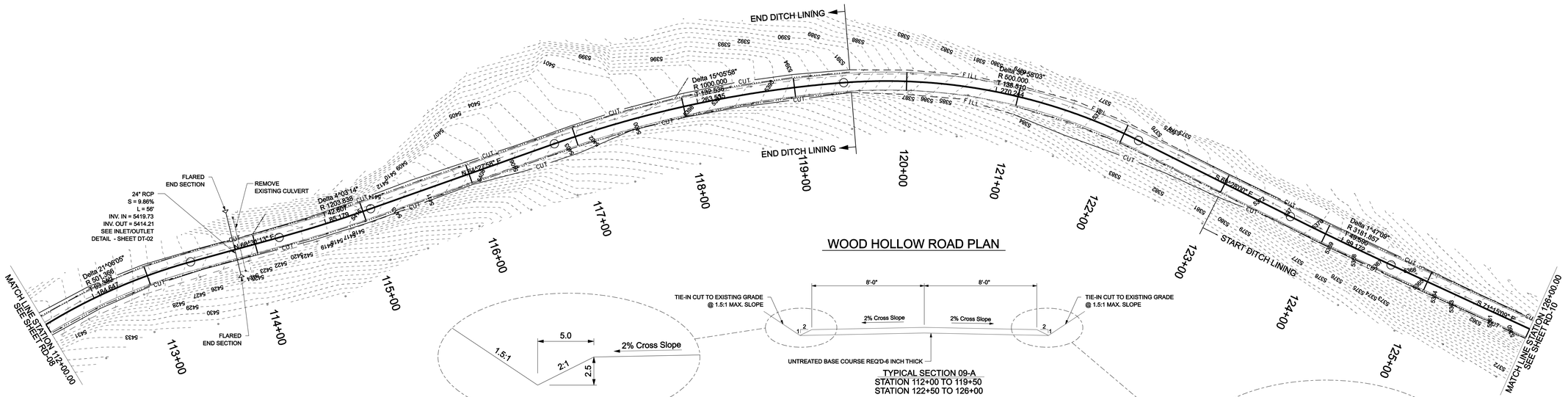
SHEET TITLE:

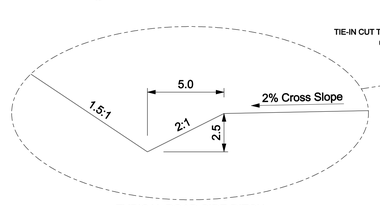
ROADWAY DESIGN SHEET

SHEET NUMBER:

RD-08

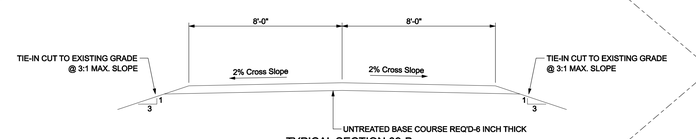
09-JUL-2010 DGN Files G:\22867\11-CADD\CIED_Lane_RD_08.dgn



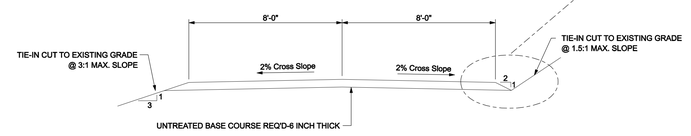


TYPICAL ROAD SIDE DITCH

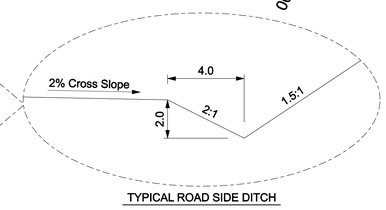
TYPICAL SECTION 09-A
STATION 112+00 TO 119+50
STATION 122+50 TO 126+00



TYPICAL SECTION 09-B
STATION 119+50 TO 121+00



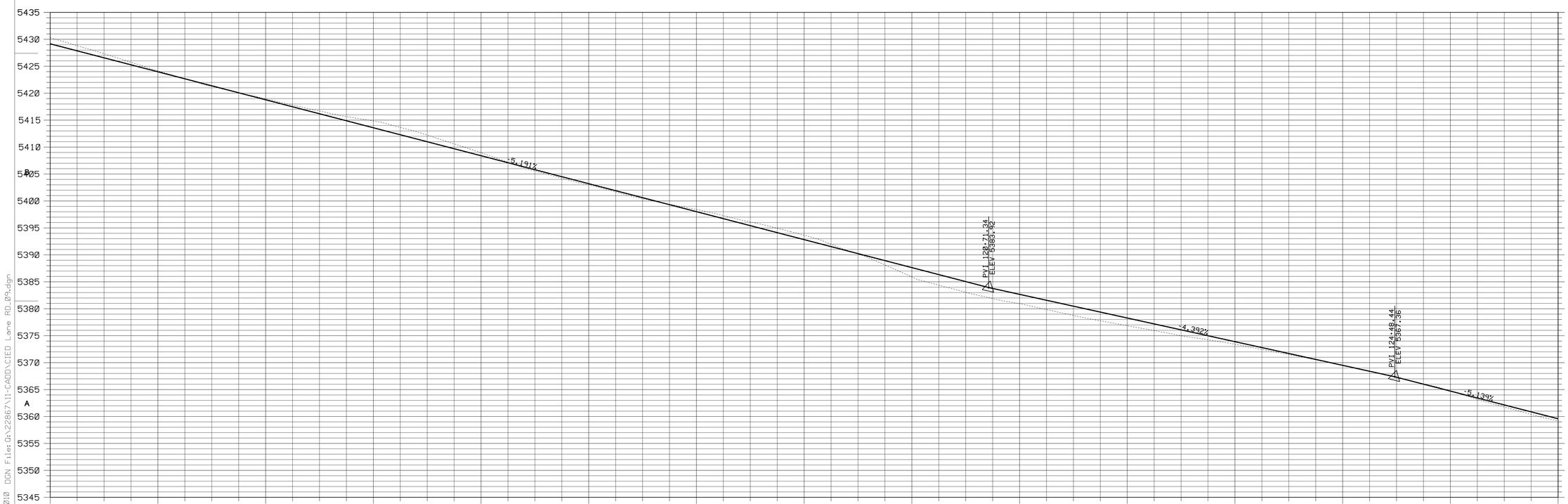
TYPICAL SECTION 09-C
STATION 121+00 TO 122+50



TYPICAL ROAD SIDE DITCH

SCALE 1:40

50 0 100 FEET



WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

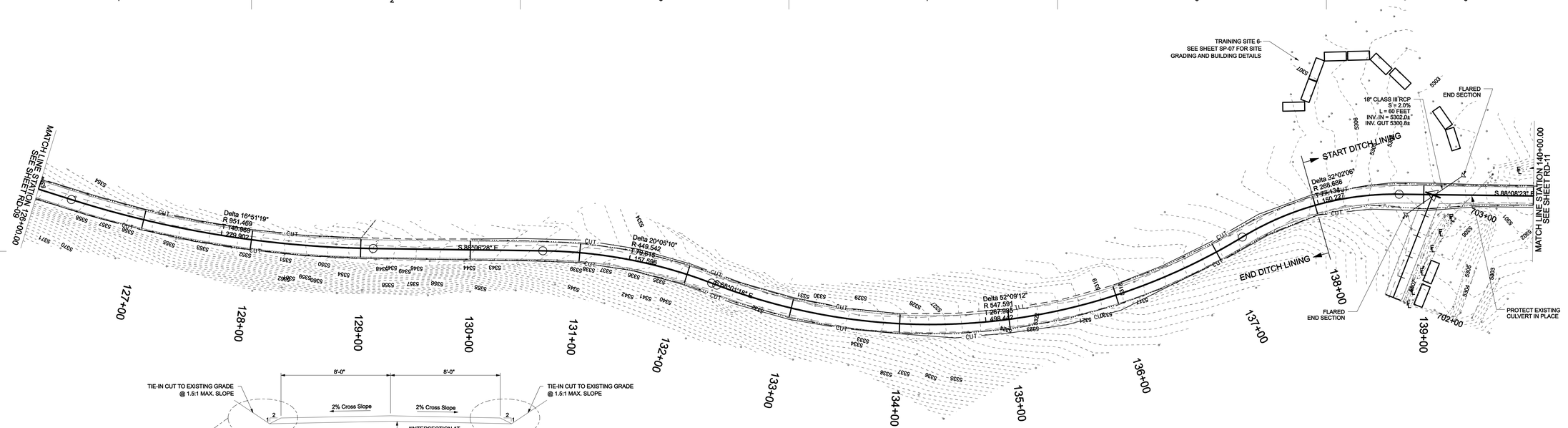
SHEET TITLE:

ROADWAY DESIGN SHEET

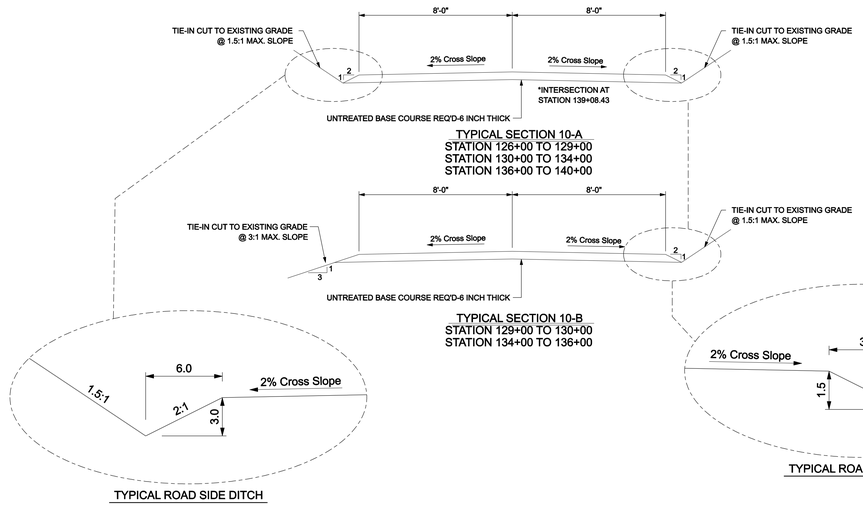
SHEET NUMBER:

RD-09

07-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane RD_09.dgn

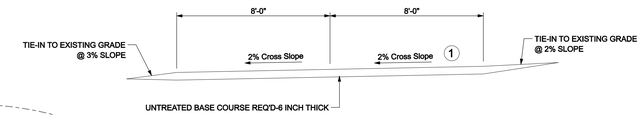


WOOD HOLLOW ROAD PLAN



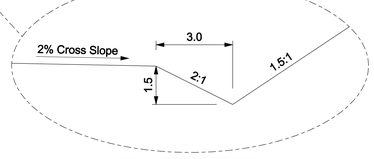
TYPICAL SECTION 10-A
STATION 126+00 TO 129+00
STATION 130+00 TO 134+00
STATION 136+00 TO 140+00

TYPICAL SECTION 10-B
STATION 129+00 TO 130+00
STATION 134+00 TO 136+00



TYPICAL SECTION 10-C
STATION 139+00

TYPICAL ROAD SIDE DITCH



TYPICAL ROAD SIDE DITCH

SECTION NOTES:

(1) 2% SUPERELEVATION FROM STATION 138+97 TO 139+14. PROVIDE A 15 FOOT TRANSITION FROM NORMAL CROWN. (SEE TYPICAL SECTION 10-C)

WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

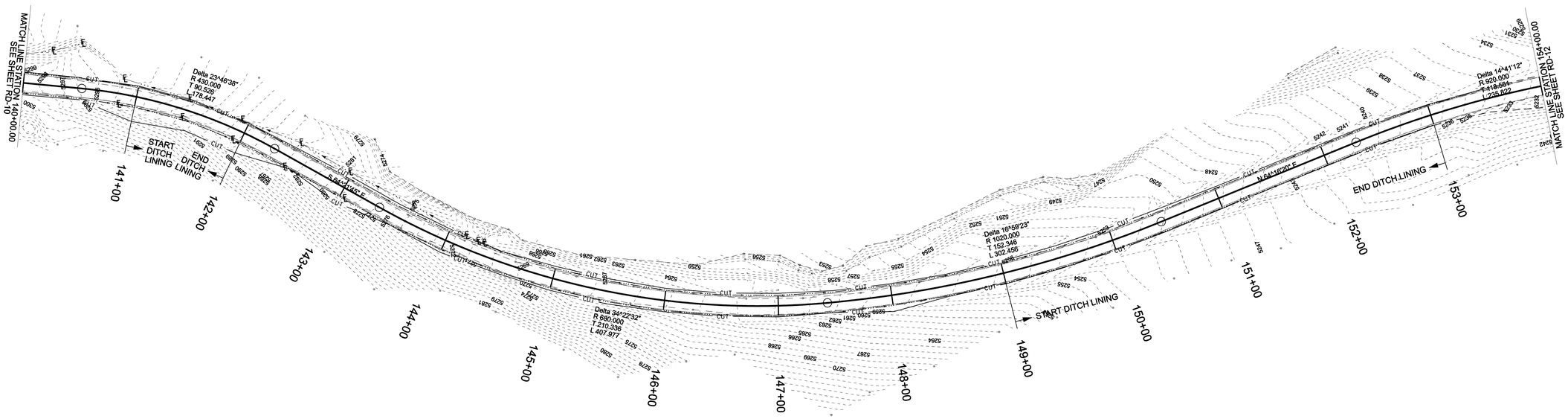
SHEET TITLE:

ROADWAY DESIGN SHEET

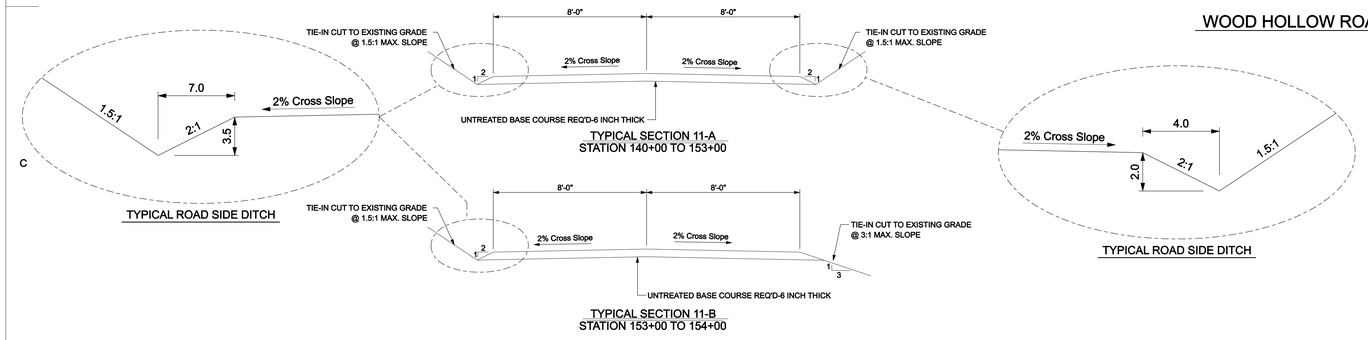
SHEET NUMBER:

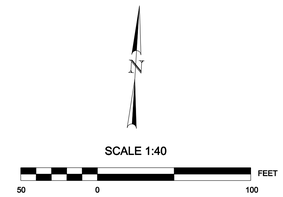
RD-10

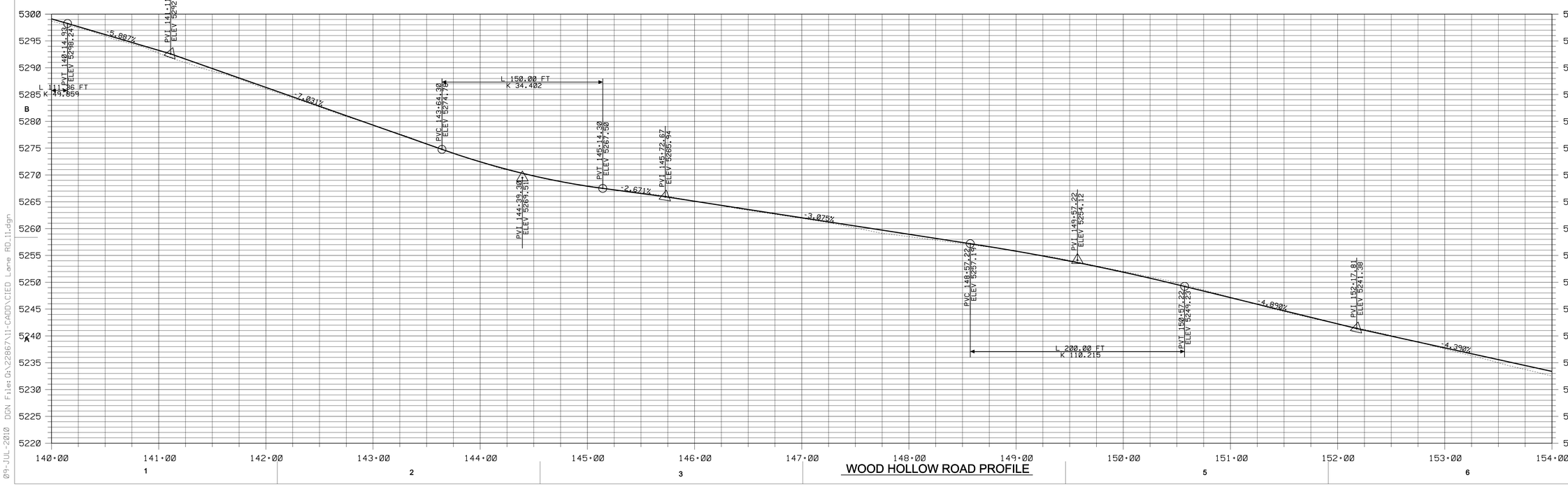
09-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane RD_10.dgn



WOOD HOLLOW ROAD PLAN







WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

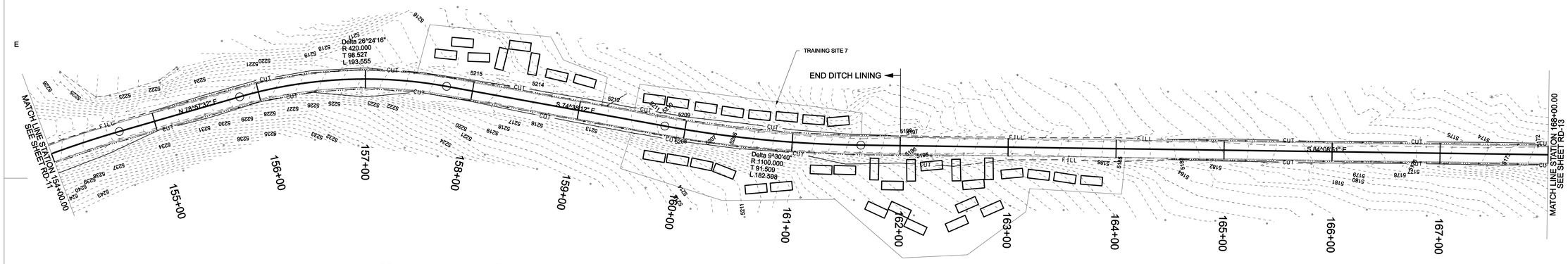
SHEET TITLE:

ROADWAY DESIGN SHEET

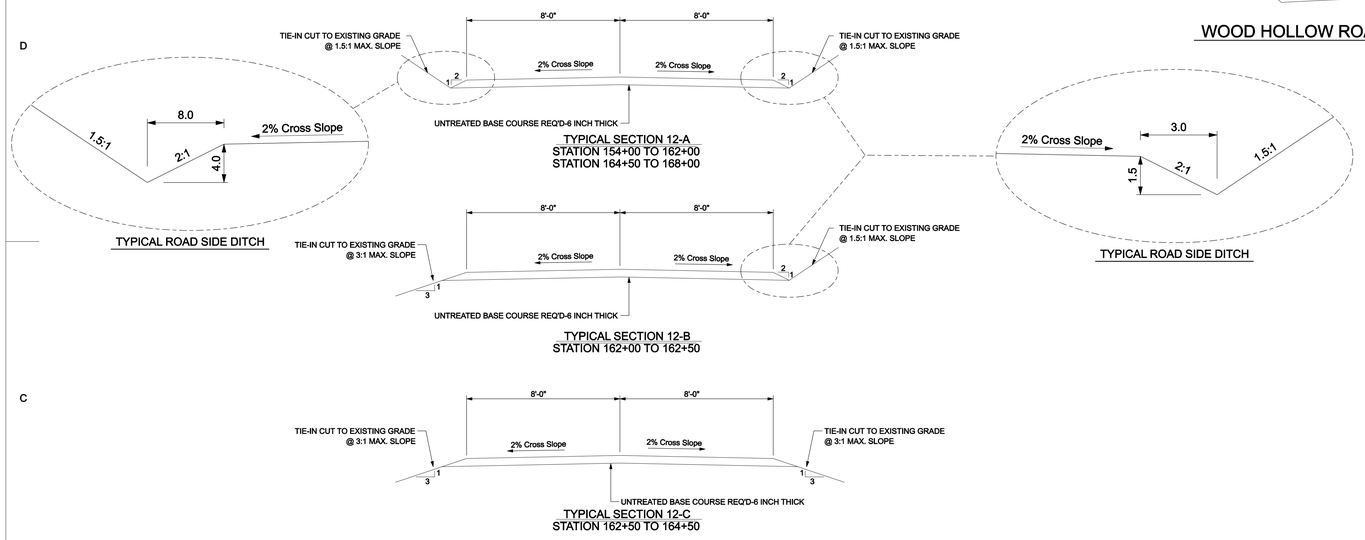
SHEET NUMBER:

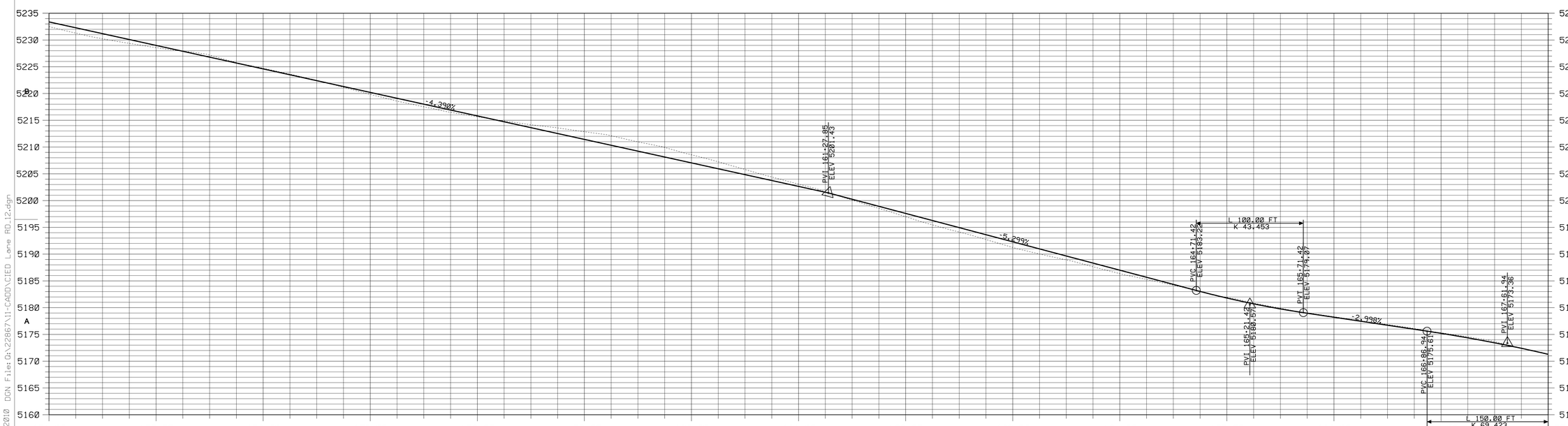
RD-11

04-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane RD_11.dgn



WOOD HOLLOW ROAD PLAN





WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

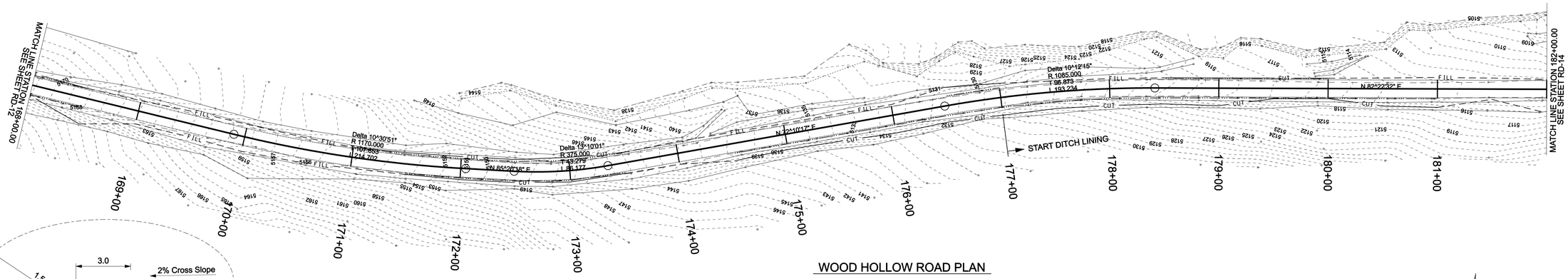
SHEET TITLE:

ROADWAY DESIGN SHEET

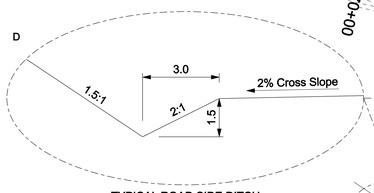
SHEET NUMBER:

RD-12

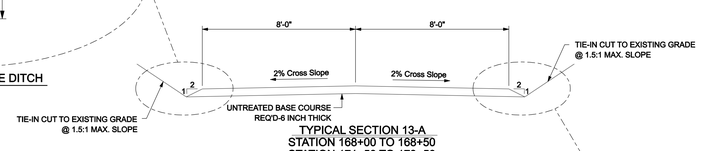
04-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane RD_12.dgn



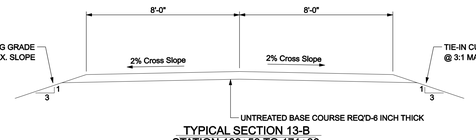
WOOD HOLLOW ROAD PLAN



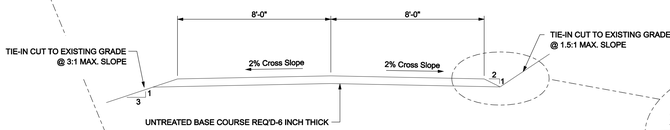
TYPICAL ROAD SIDE DITCH



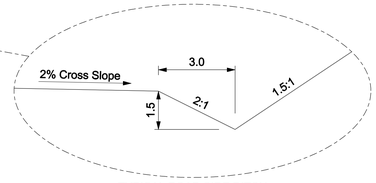
TYPICAL SECTION 13-A
STATION 168+00 TO 168+50
STATION 171+50 TO 173+50
STATION 176+50 TO 177+00
STATION 178+50 TO 180+00



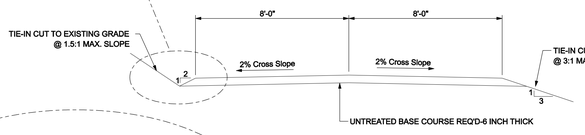
TYPICAL SECTION 13-B
STATION 168+50 TO 171+00
STATION 173+50 TO 174+50
STATION 181+00 TO 182+00



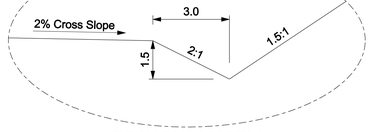
TYPICAL SECTION 13-C
STATION 174+50 TO 176+50
STATION 177+00 TO 178+50
STATION 180+00 TO 181+00



TYPICAL ROAD SIDE DITCH



TYPICAL SECTION 13-D
STATION 171+00 TO 171+50

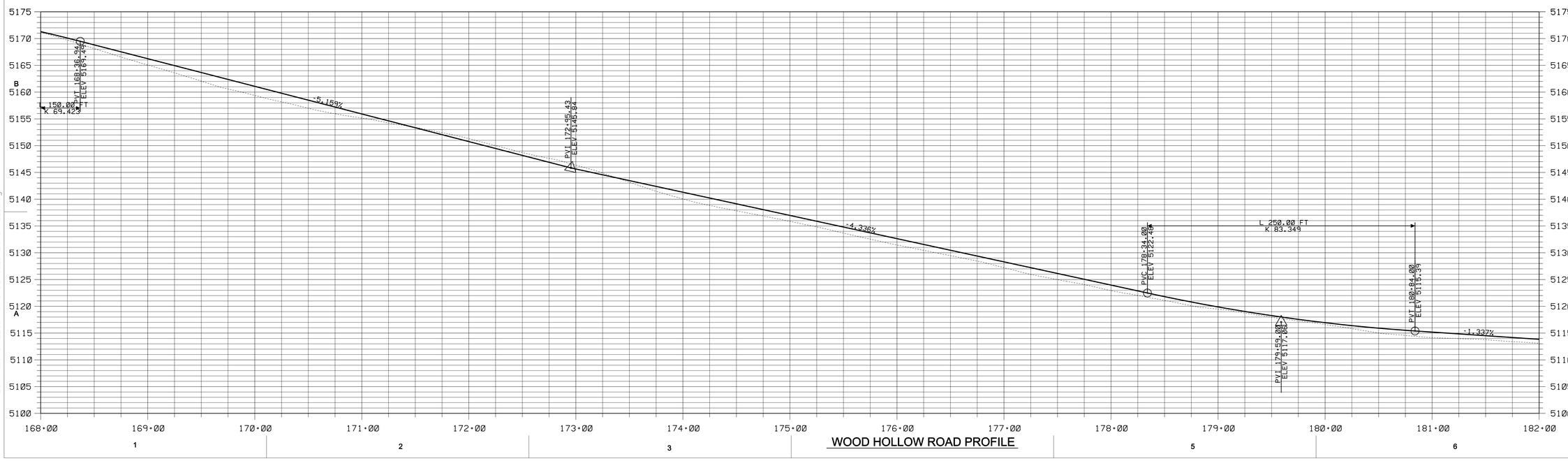


TYPICAL ROAD SIDE DITCH

SCALE 1:40

50 0 100 FEET

WOOD HOLLOW ROAD PROFILE



State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

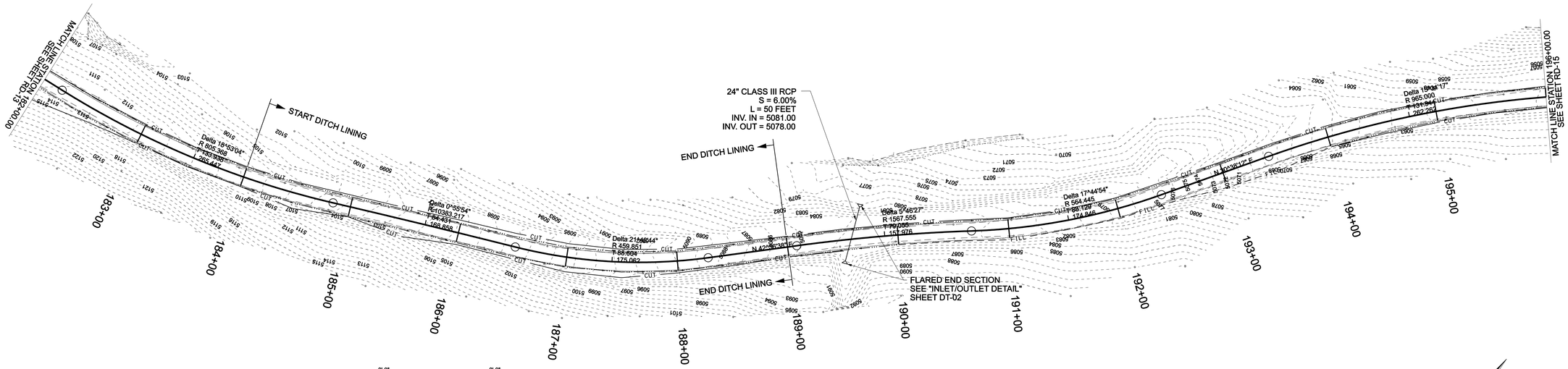
SHEET TITLE:

ROADWAY DESIGN SHEET

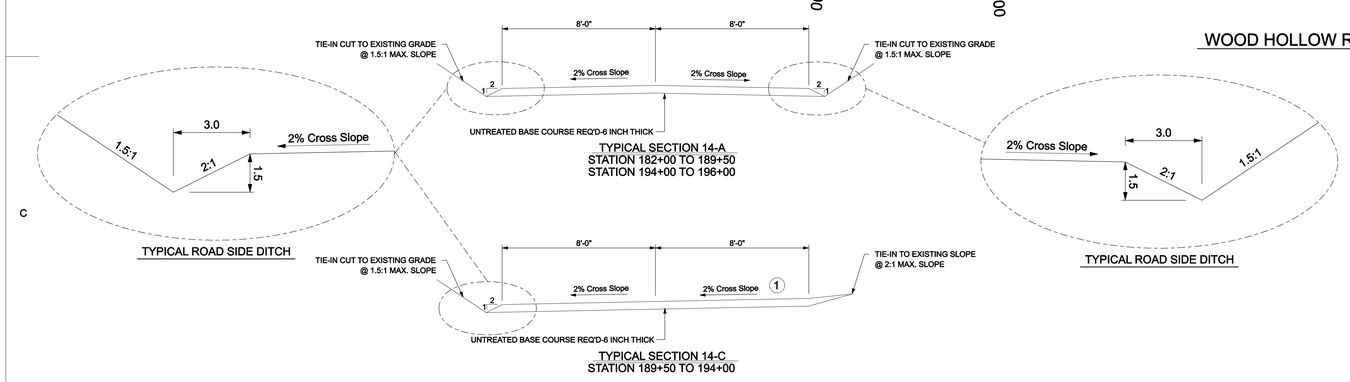
SHEET NUMBER:

RD-13

04-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane RD_13.dgn

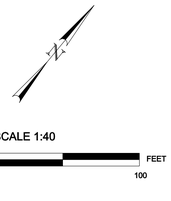


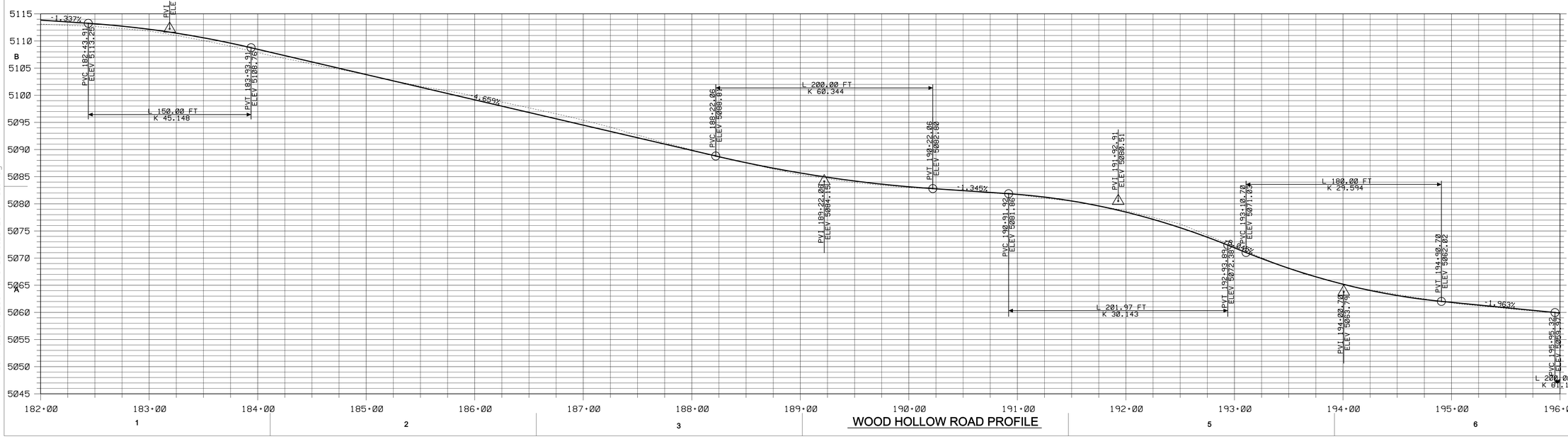
WOOD HOLLOW ROAD PLAN



SECTION NOTES:

1. 2% SUPERELEVATION FROM STATION 189+50 TO 194+00. PROVIDE A 25 FOOT TRANSITION FROM NORMAL CROWN BETWEEN STATION 189+25 AND 189+50, AND BETWEEN STATION 194+00 AND 194+25.





WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

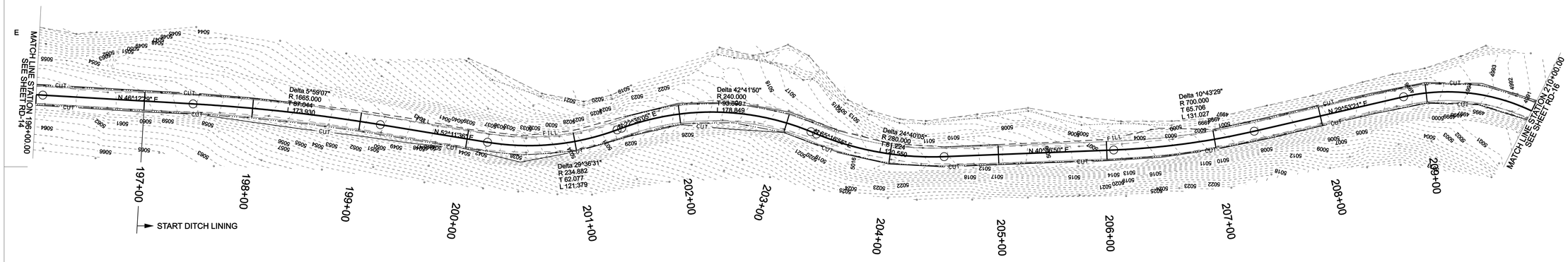
SHEET TITLE:

ROADWAY DESIGN SHEET

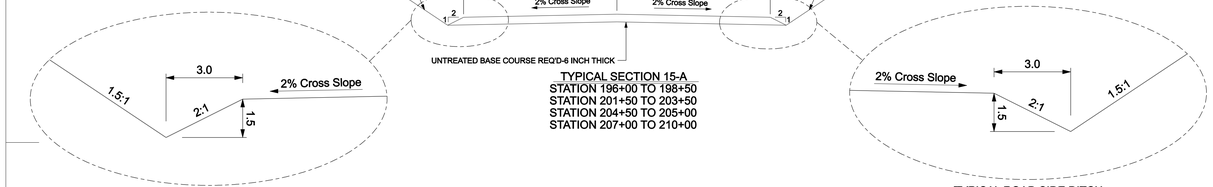
SHEET NUMBER:

RD-14

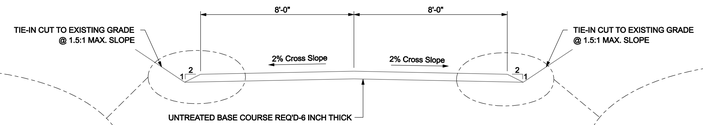
09-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane RD_14.dgn



WOOD HOLLOW ROAD PLAN

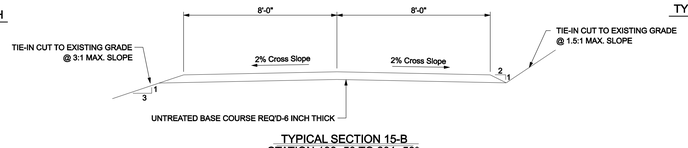


TYPICAL ROAD SIDE DITCH

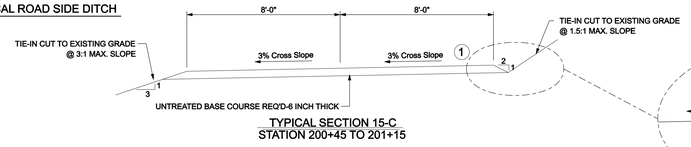


TYPICAL SECTION 15-A
STATION 196+00 TO 198+50
STATION 201+50 TO 203+50
STATION 204+50 TO 205+00
STATION 207+00 TO 210+00

TYPICAL ROAD SIDE DITCH



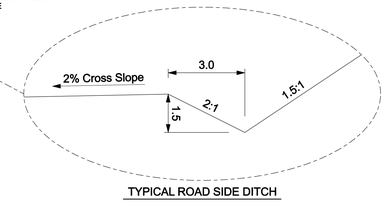
TYPICAL SECTION 15-B
STATION 198+50 TO 201+50*
STATION 203+50 TO 204+50
STATION 205+00 TO 207+00
*EXCLUDES ROADWAY FROM STATION 200+20 TO 201+40.



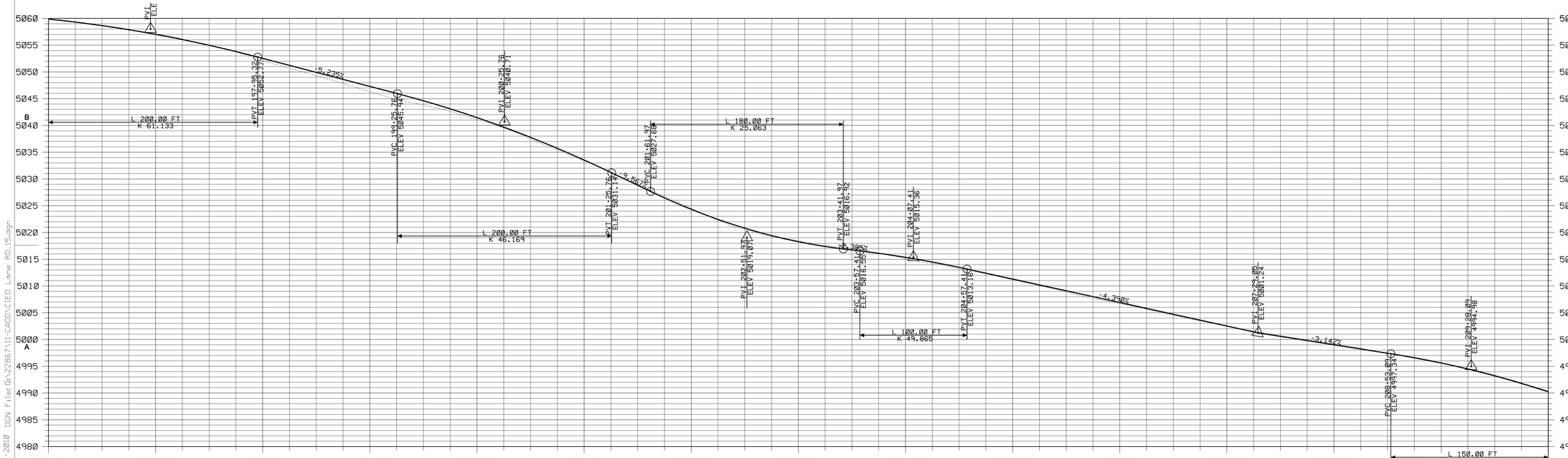
TYPICAL SECTION 15-C
STATION 200+45 TO 201+15

SECTION NOTES:

(1) 3% SUPERELEVATION FROM STATION 200+45 TO 201+15. PROVIDE A 25 FOOT TRANSITION FROM NORMAL CROWN BETWEEN STATION 200+20 AND 200+45, AND BETWEEN STATION 201+15 AND 201+40.



TYPICAL ROAD SIDE DITCH



WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

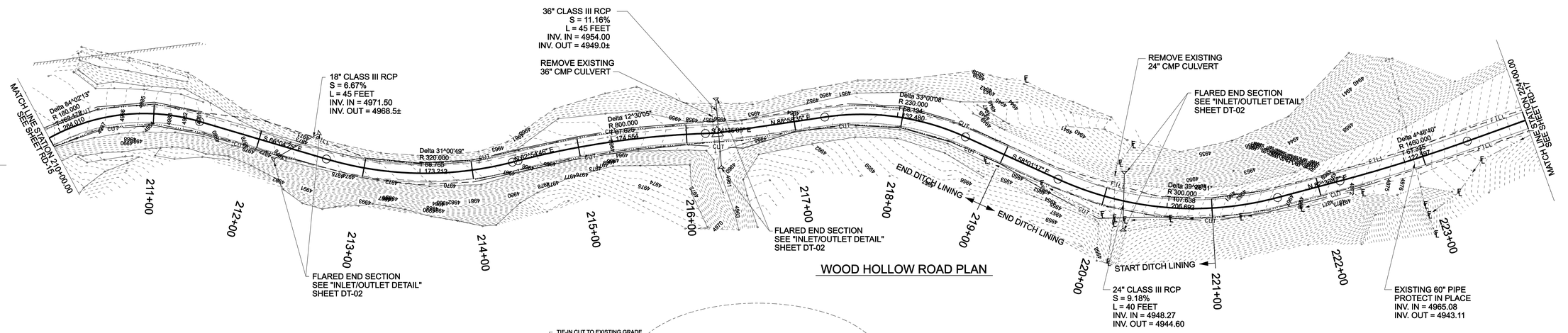
SHEET TITLE:

ROADWAY DESIGN SHEET

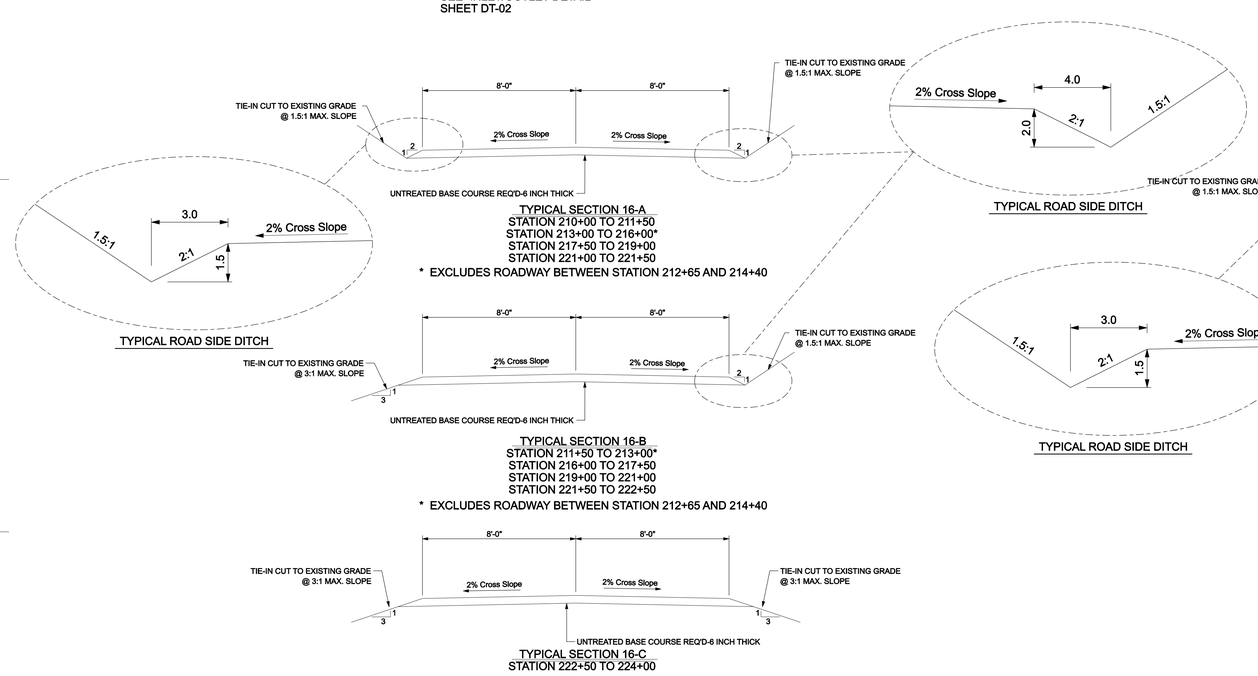
SHEET NUMBER:

RD-15

09-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane RD_15.dgn



WOOD HOLLOW ROAD PLAN



TYPICAL ROAD SIDE DITCH

TYPICAL SECTION 16-A
STATION 210+00 TO 211+50
STATION 213+00 TO 216+00*
STATION 217+50 TO 219+00
STATION 221+00 TO 221+50

* EXCLUDES ROADWAY BETWEEN STATION 212+65 AND 214+40

TYPICAL ROAD SIDE DITCH

TYPICAL SECTION 16-B
STATION 211+50 TO 213+00*
STATION 216+00 TO 217+50
STATION 219+00 TO 221+00
STATION 221+50 TO 222+50

* EXCLUDES ROADWAY BETWEEN STATION 212+65 AND 214+40

TYPICAL SECTION 16-C
STATION 222+50 TO 224+00

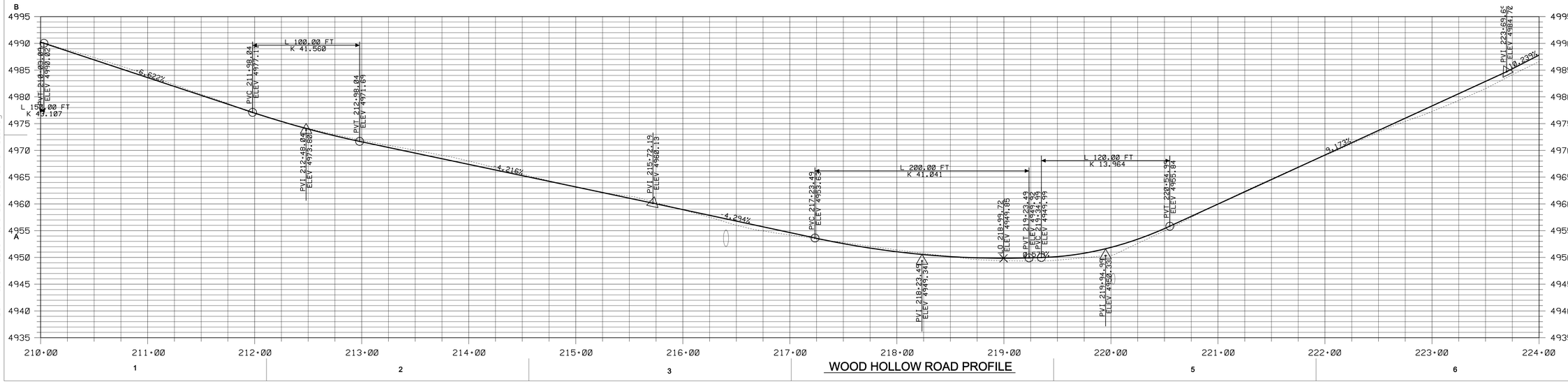
TYPICAL SECTION 16-C
STATION 212+65 TO 214+40

SECTION NOTES:

(1) 3% SUPERELEVATION FROM STATION 212+90 TO 214+15. PROVIDE A 25 FOOT TRANSITION FROM NORMAL CROWN BETWEEN STATION 212+65 AND 212+90, AND BETWEEN STATION 214+15 AND 214+40.

SCALE 1:40

50 0 100 FEET



WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

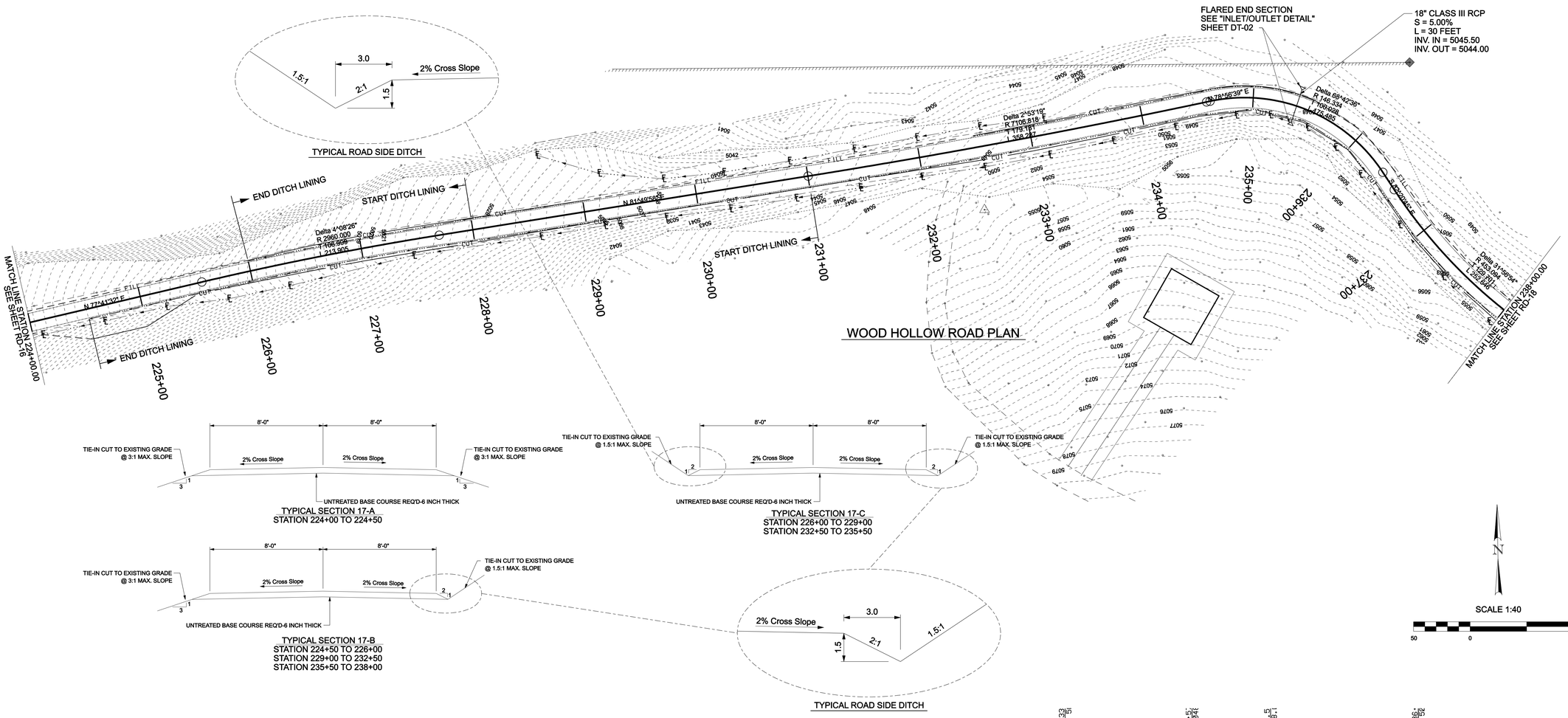
SHEET TITLE:

ROADWAY DESIGN SHEET

SHEET NUMBER:

RD-16

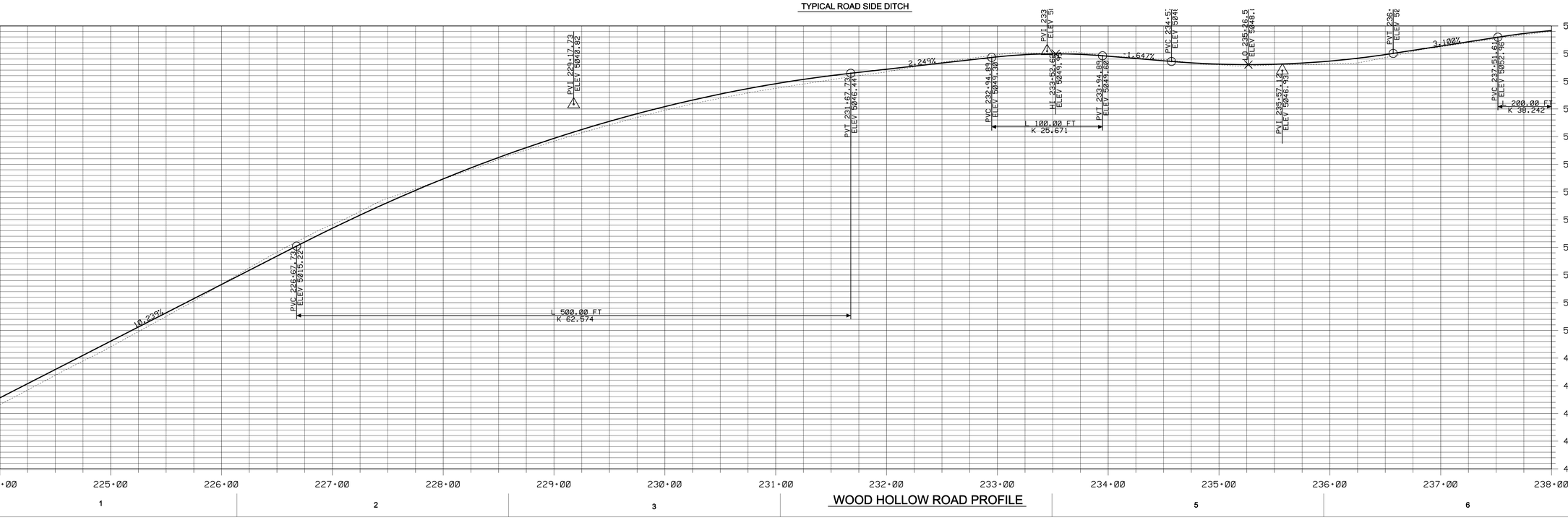
09-JUL-2010 DGN File: Q:\22867\11-CADD\CIED Lane RD_16.dgn



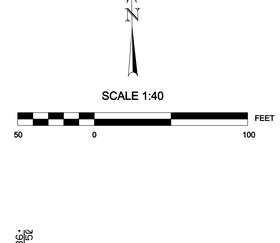
TYPICAL SECTION 17-A
STATION 224+00 TO 224+50

TYPICAL SECTION 17-B
STATION 224+50 TO 226+00
STATION 229+00 TO 232+50
STATION 235+50 TO 238+00

TYPICAL SECTION 17-C
STATION 226+00 TO 229+00
STATION 232+50 TO 235+50



WOOD HOLLOW ROAD PROFILE



State of Utah
Department of Administrative Services
Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

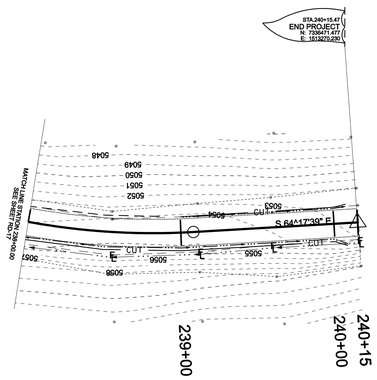
SHEET TITLE:

ROADWAY DESIGN SHEET

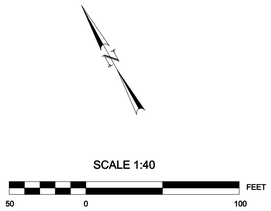
SHEET NUMBER:

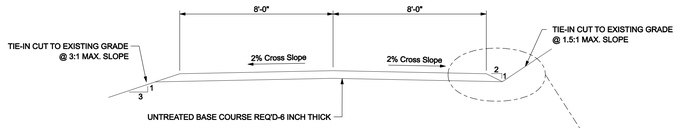
RD-17

09-JUL-2010 DGN File:G:\22867\11-CADD\IED Lane RD_17.dgn



WOOD HOLLOW ROAD PLAN



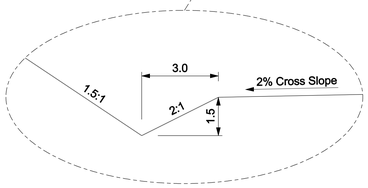


TYPICAL SECTION 18-A
STATION 238+00 TO 239+00

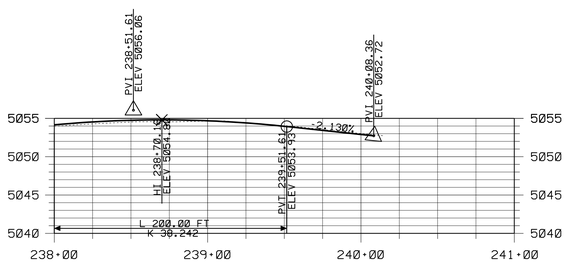
TYPICAL SECTION 18-B
STATION 239+00 TO 240+15*

* TRANSITION ROADWAY FROM STATION 240+00
TO 240+15 TO MATCH EXISTING ROADWAY SIDESLOPE AND ELEVATION.

TYPICAL ROAD SIDE DITCH



TYPICAL ROAD SIDE DITCH



WOOD HOLLOW ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

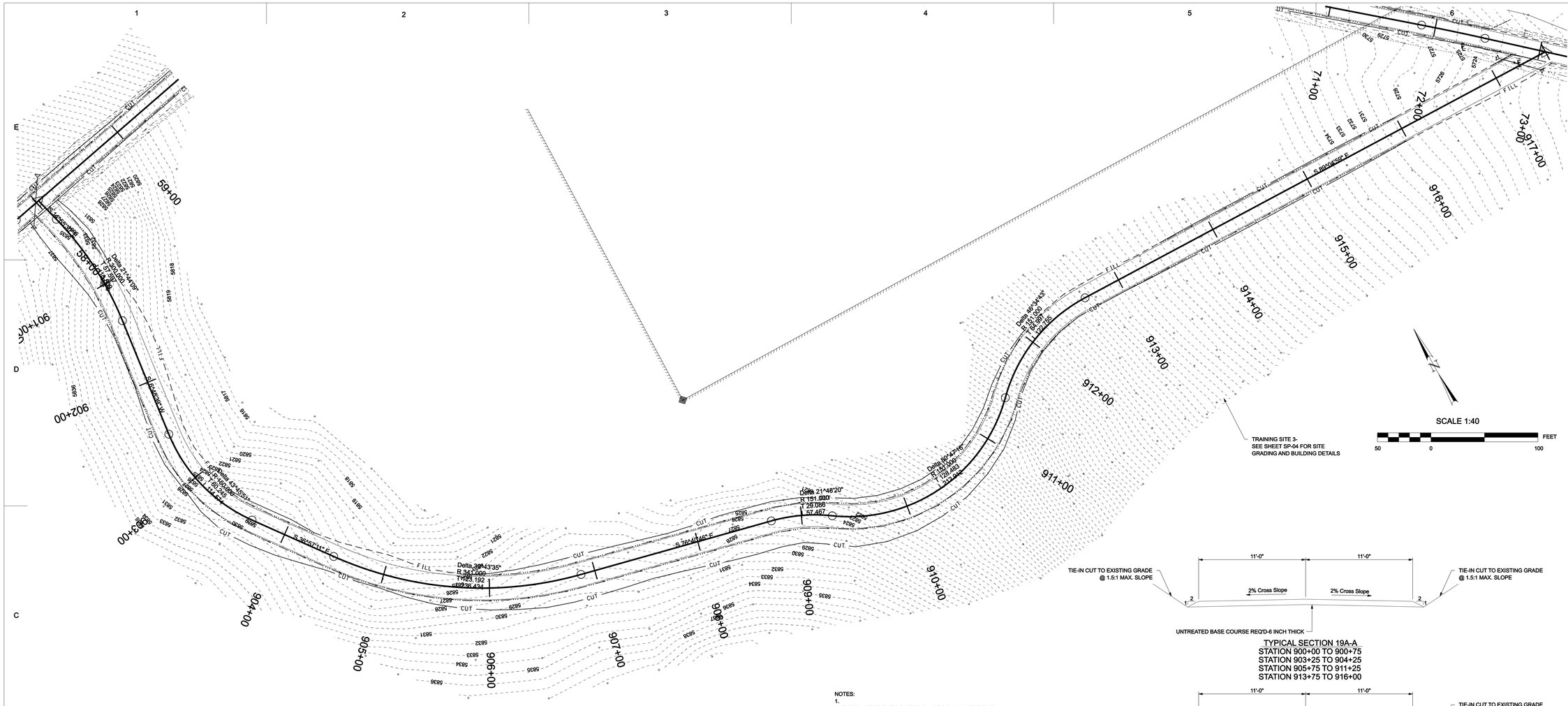
SHEET TITLE:

ROADWAY DESIGN SHEET

SHEET NUMBER:

RD-18

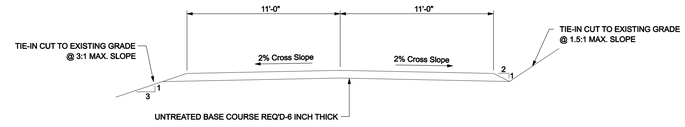
07-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane RD_18.dgn



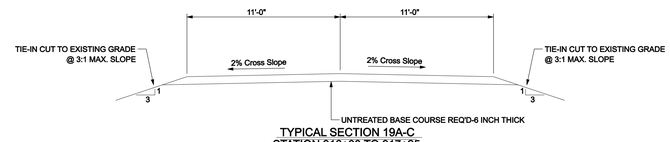
BYPASS ROAD PLAN

NOTES:
1.
2. TYPICAL SECTIONS DO NOT INCLUDE ROADWAY THROUGH TRAINING SITE AREA.

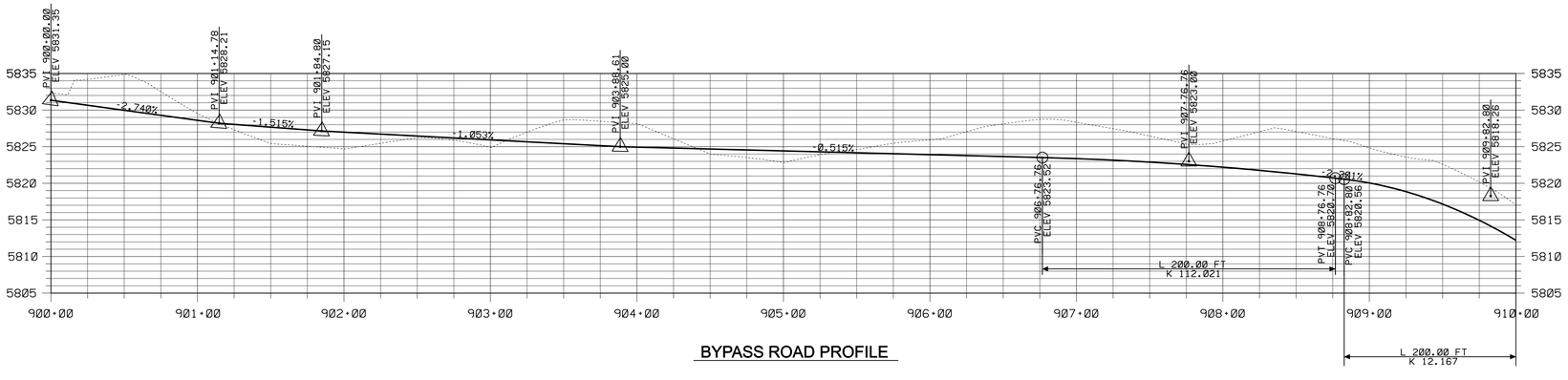
TYPICAL SECTION 19A-A
STATION 900+00 TO 900+75
STATION 903+25 TO 904+25
STATION 905+75 TO 911+25
STATION 913+75 TO 916+00



TYPICAL SECTION 19A-B
STATION 900+75 TO 903+25
STATION 904+25 TO 905+75



TYPICAL SECTION 19A-C
STATION 916+00 TO 917+25



BYPASS ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

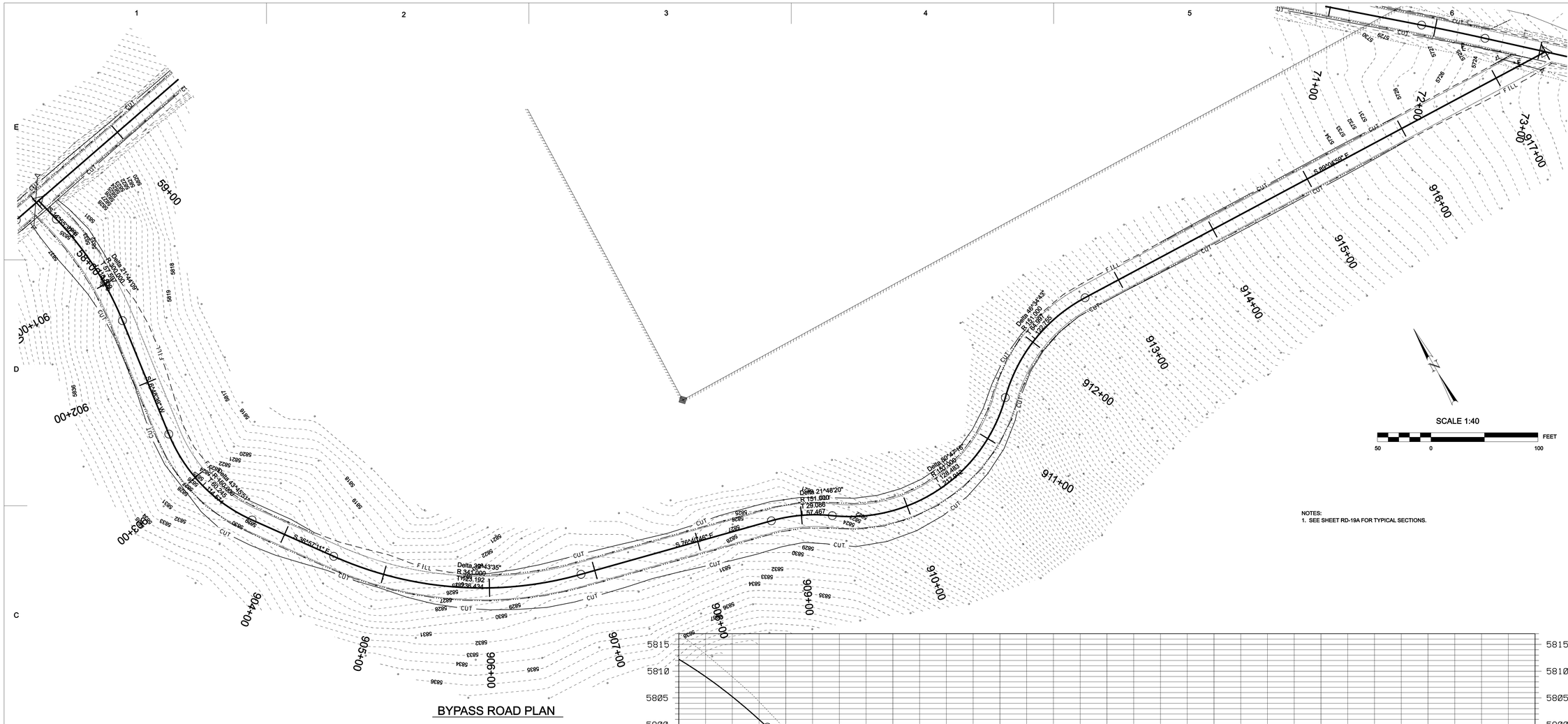
SHEET TITLE:

ROADWAY DESIGN SHEET

SHEET NUMBER:

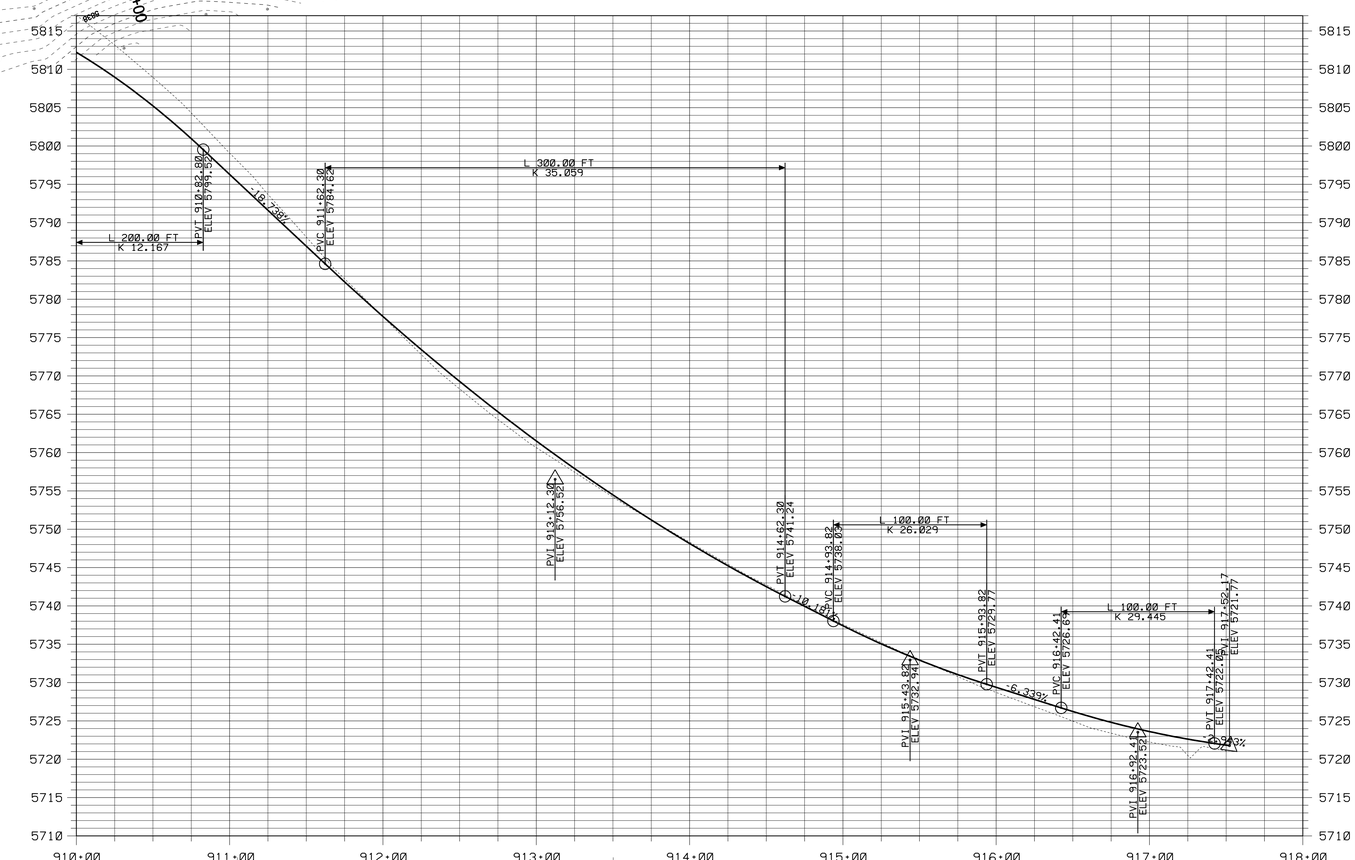
RD-19A

09-JUL-2010 DGN File:O:\22867\11-CADD\CIED Lane RD_19A.dgn



BYPASS ROAD PLAN

NOTES:
1. SEE SHEET RD-19A FOR TYPICAL SECTIONS.



BYPASS ROAD PROFILE

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

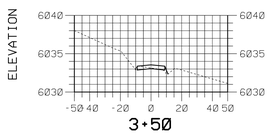
SHEET TITLE:

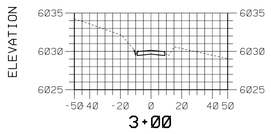
ROADWAY DESIGN SHEET

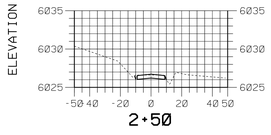
SHEET NUMBER:

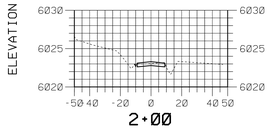
RD-19B

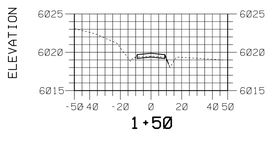
09-JUL-2010 DGN File:O:\22867\11-CADD\IED Lane RD_19B.dgn

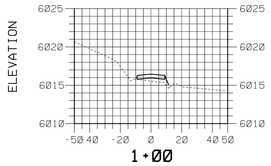


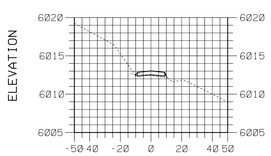


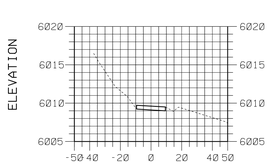


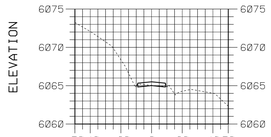


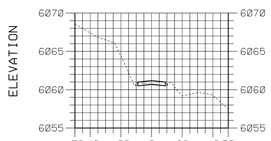


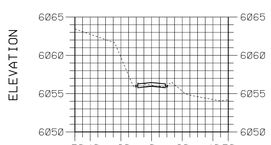


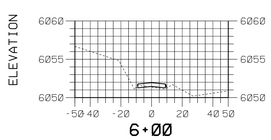


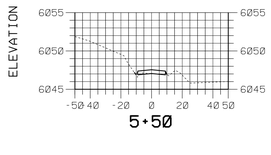


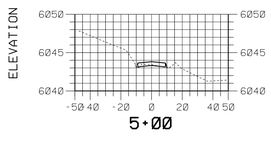


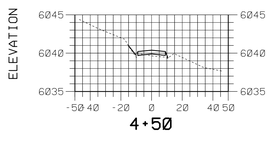


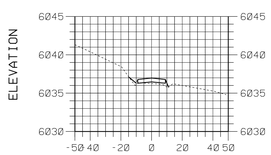


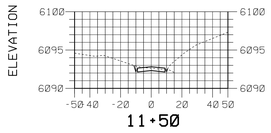


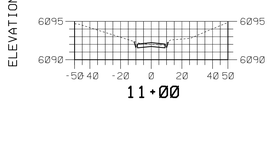


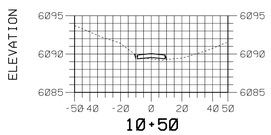


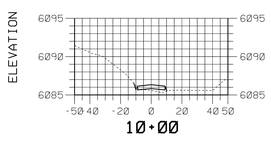


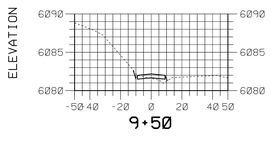


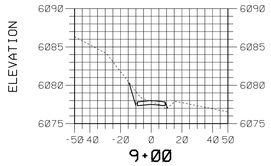


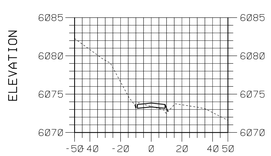


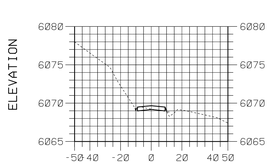


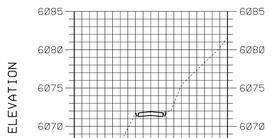


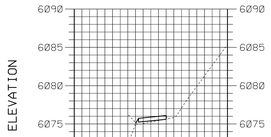


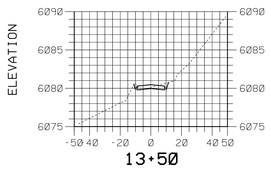


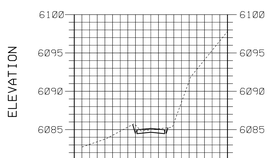


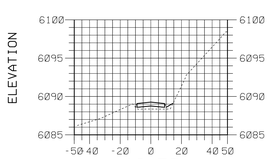


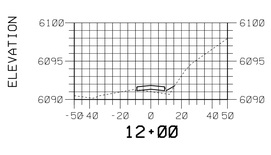


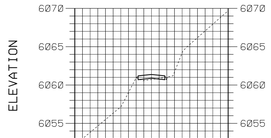


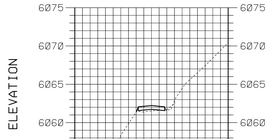


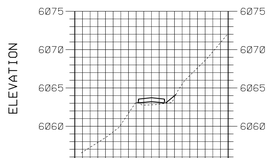


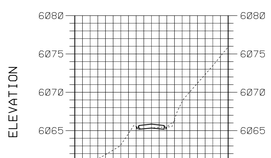


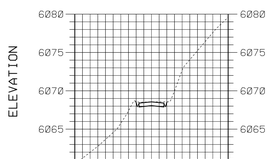


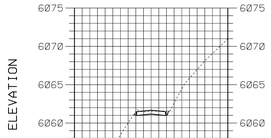


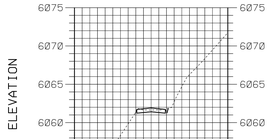


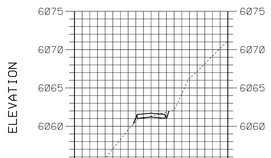


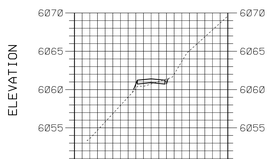


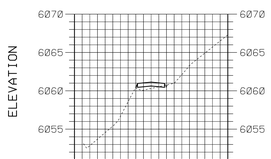












WOOD HOLLOW ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-08-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

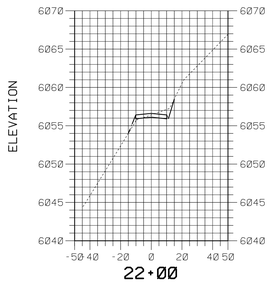
SHEET TITLE:

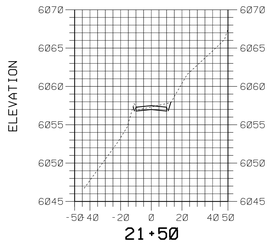
CROSS SECTION SHEET

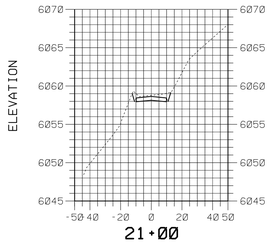
SHEET NUMBER:

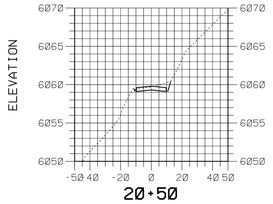
CS-01

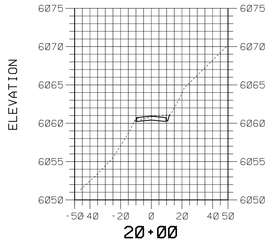
09-JUL-2010 DGN File: Q:\22867\11-CADD\CIED Lane CS-01.dgn

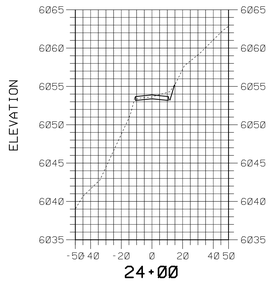


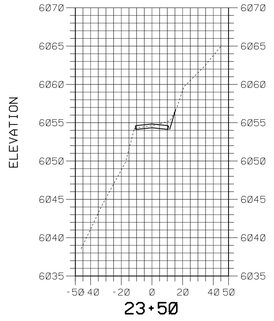


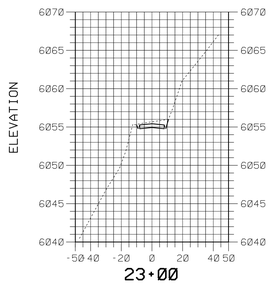


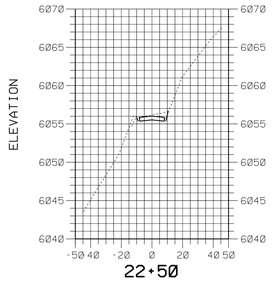


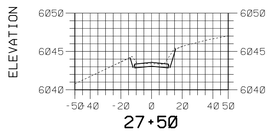


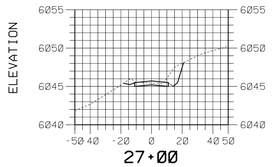


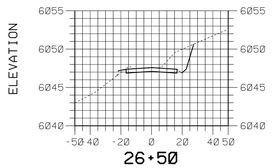


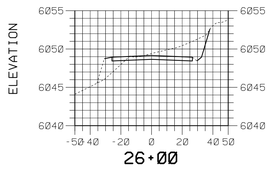


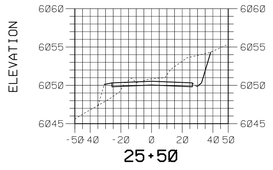


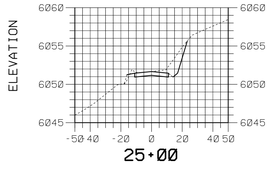


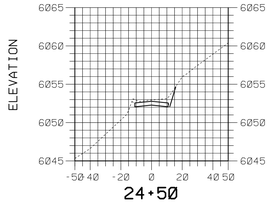


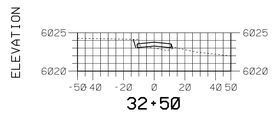


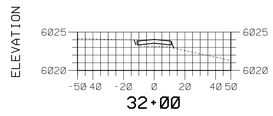


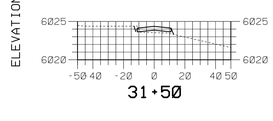


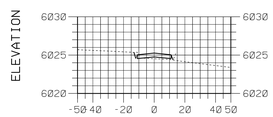


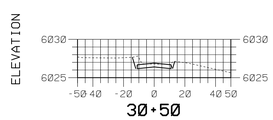


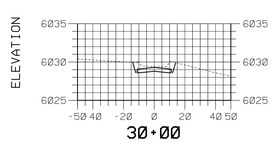


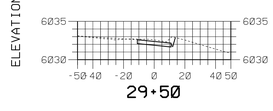


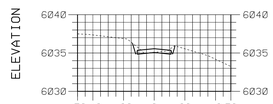


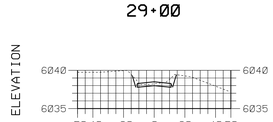


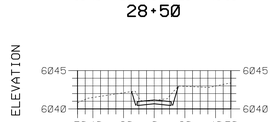


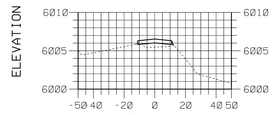


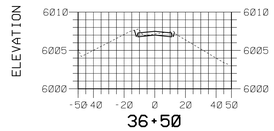


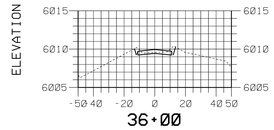


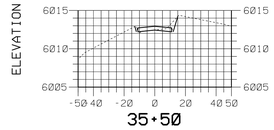


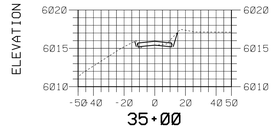


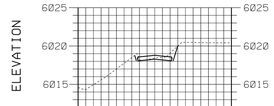


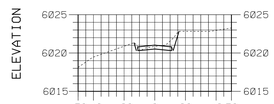


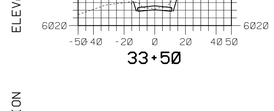


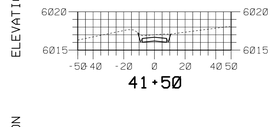


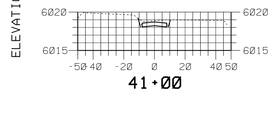


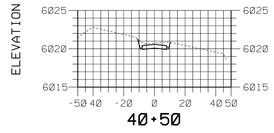


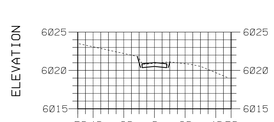


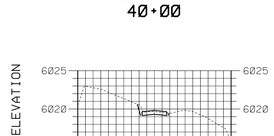


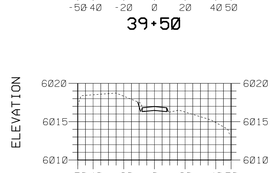


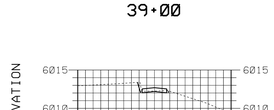


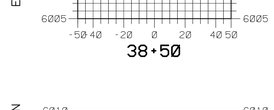


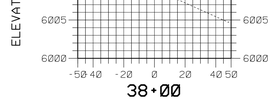












WOOD HOLLOW ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

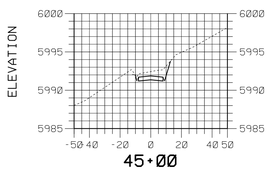
SHEET TITLE:

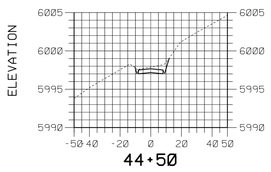
CROSS SECTION SHEET

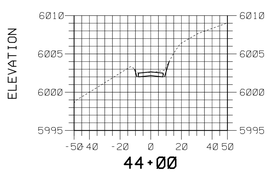
SHEET NUMBER:

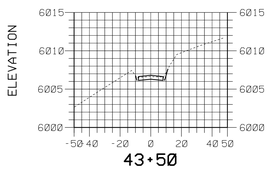
CS-02

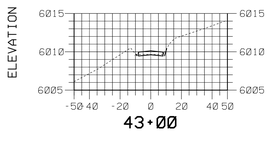
09-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane CS-02.dgn

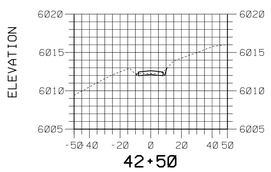


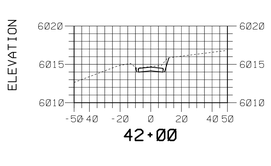


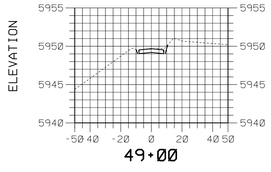


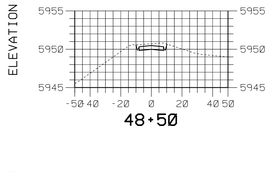


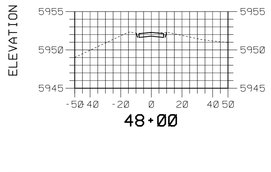


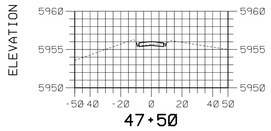


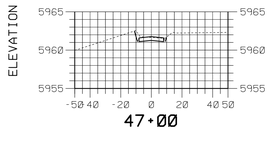


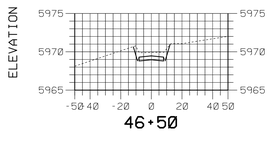


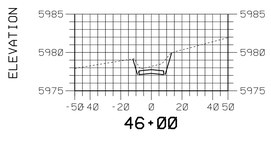


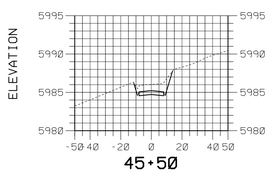


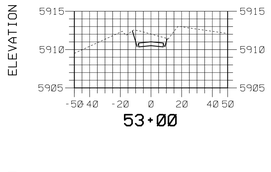


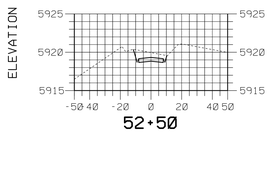


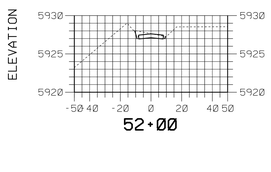


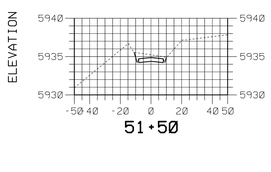


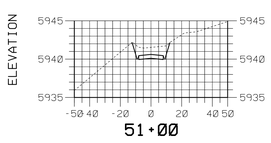


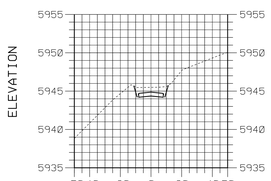


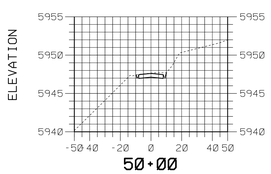


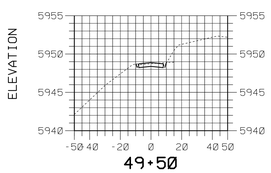


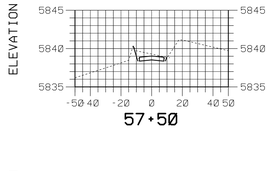


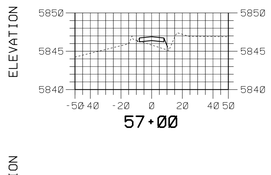


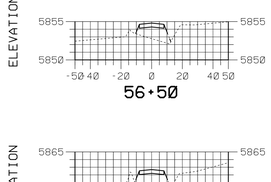


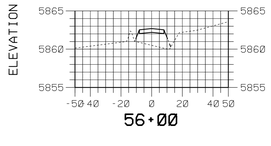


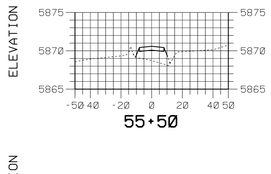


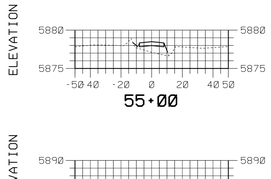


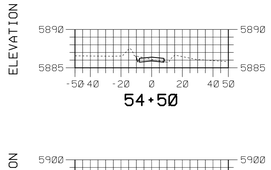


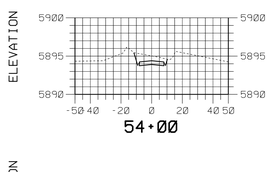


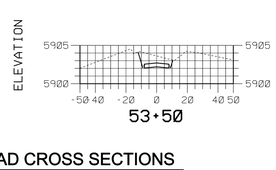


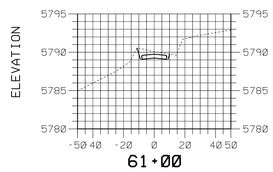


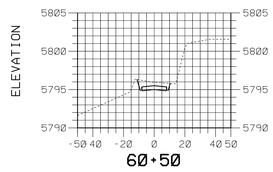


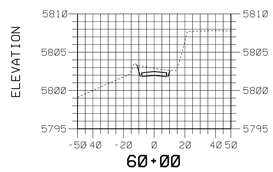


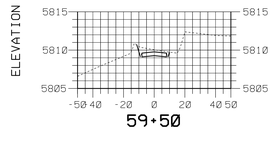


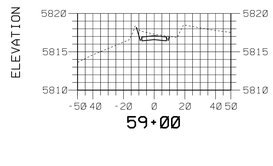


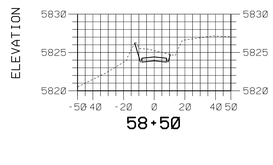


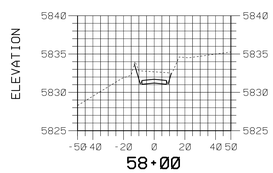


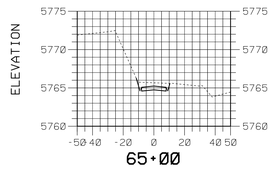


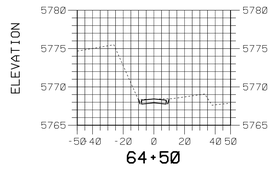


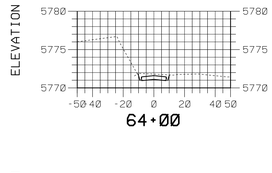


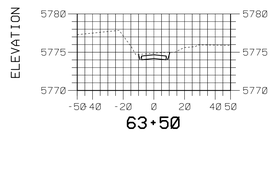


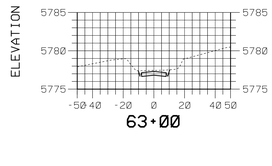


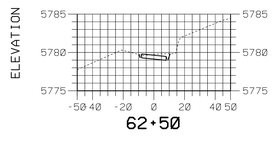


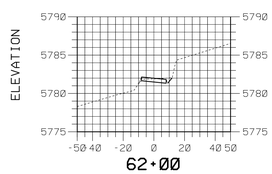


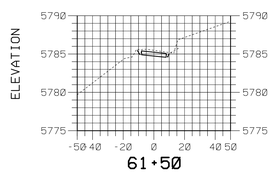












WOOD HOLLOW ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

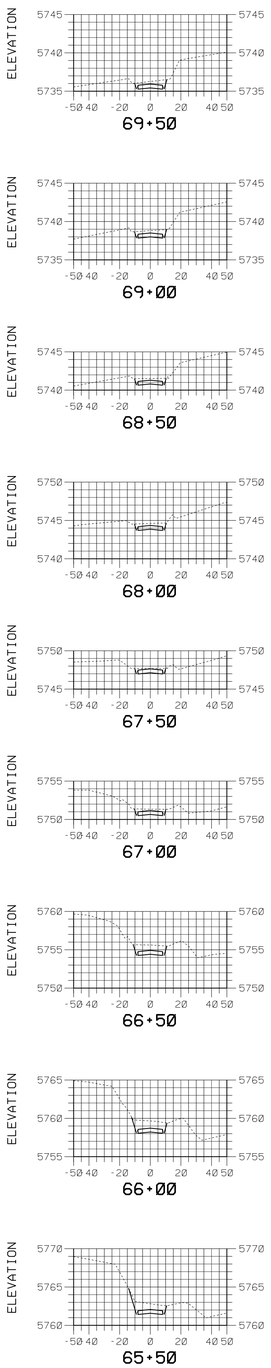
SHEET TITLE:

CROSS SECTION SHEET

SHEET NUMBER:

CS-03

09-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane CS-03.dgn



WOOD HOLLOW ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

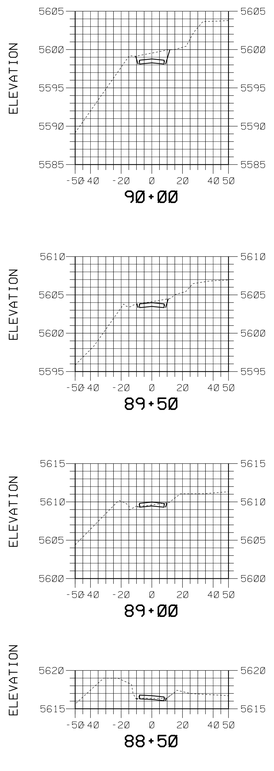
SHEET TITLE:

CROSS SECTION SHEET

SHEET NUMBER:

CS-04

09-JUL-2010 DGN Files:G:\22867\11-CADD\CIED Lane CS-04.dgn



WOOD HOLLOW ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

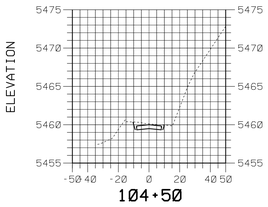
SHEET TITLE:

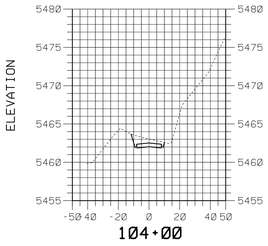
CROSS SECTION SHEET

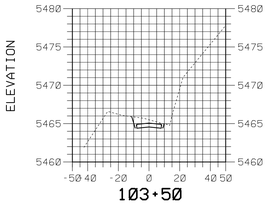
SHEET NUMBER:

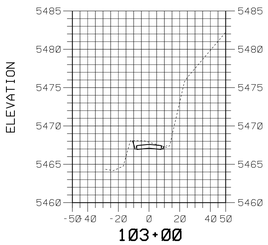
CS-05

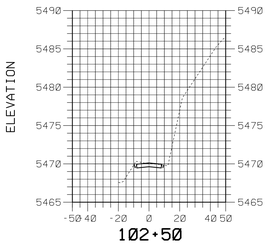
09-JUL-2010 DGN File G:\22867\11-CADD\CIED Lane CS-05.dgn

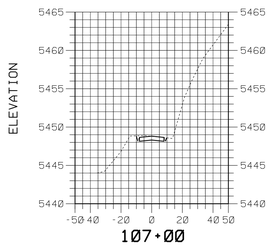


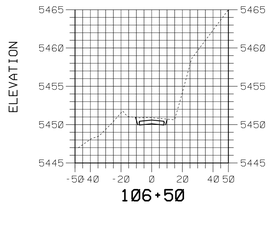


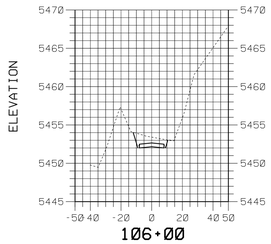


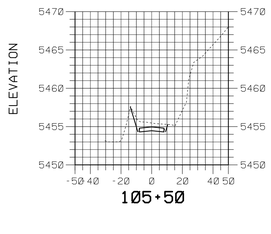


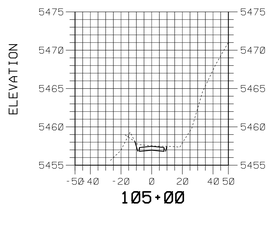


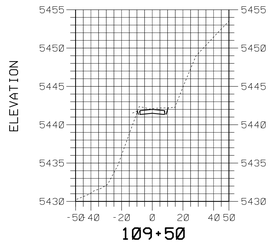


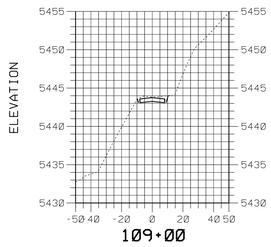


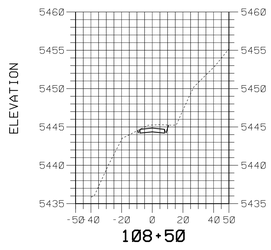


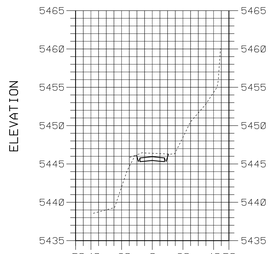


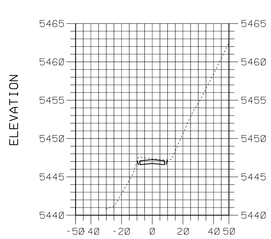


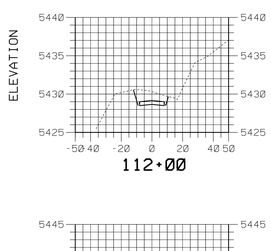


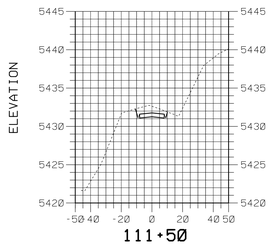


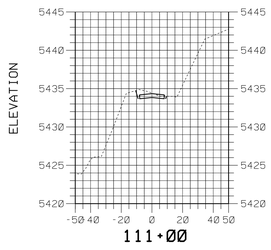


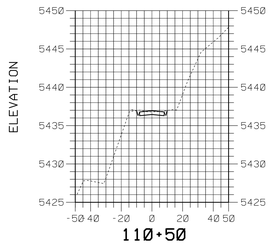


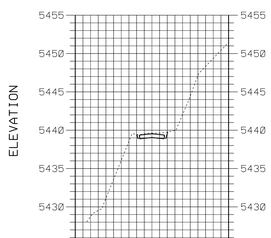


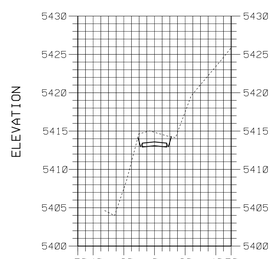


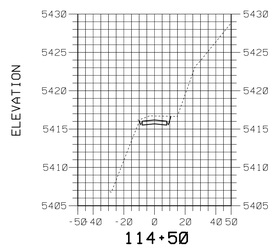


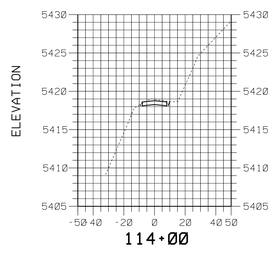


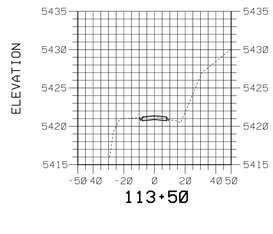


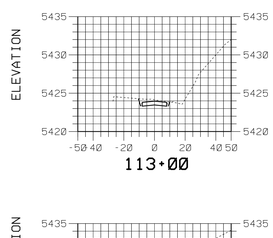


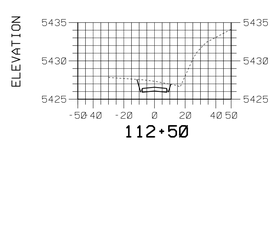


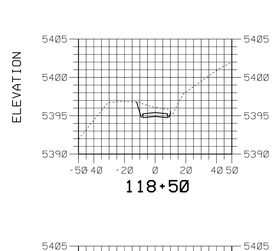


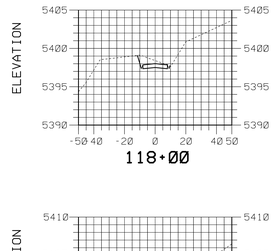


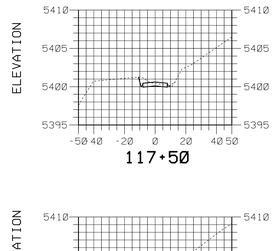


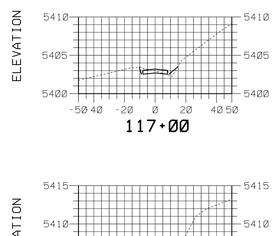


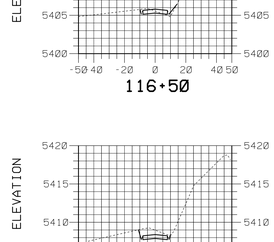


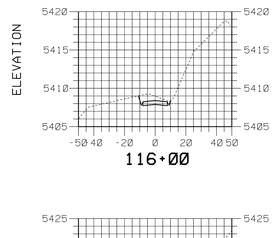


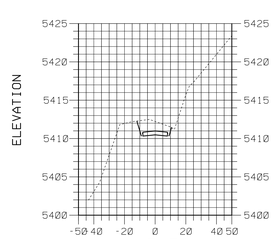












WOOD HOLLOW ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

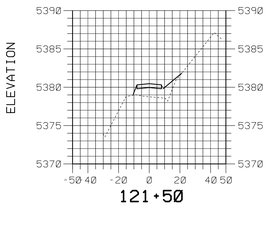
SHEET TITLE:

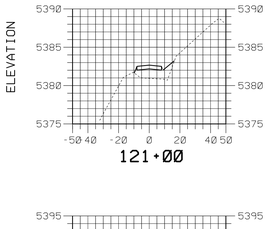
CROSS SECTION SHEET

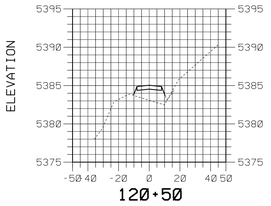
SHEET NUMBER:

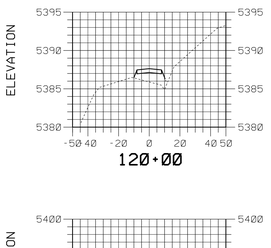
CS-06

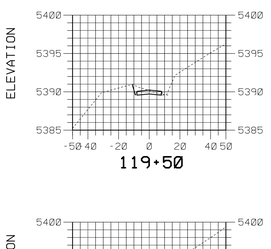
09-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane CS-06.dgn

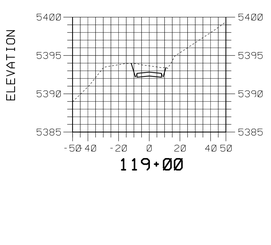


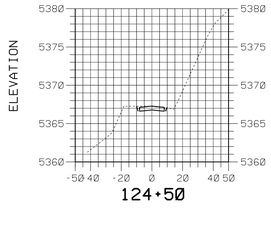


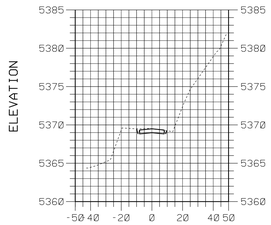


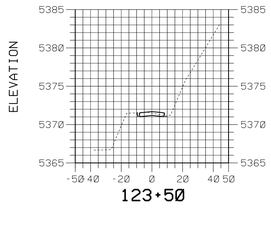


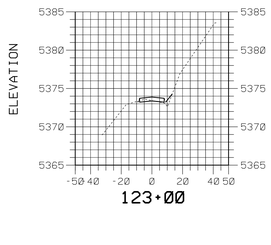


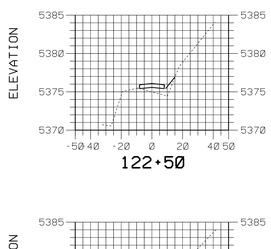


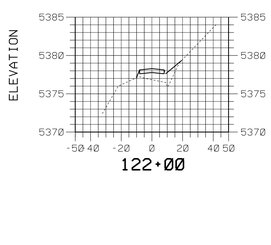


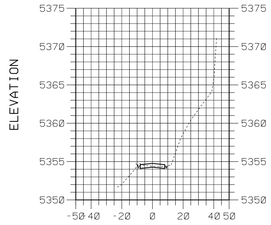


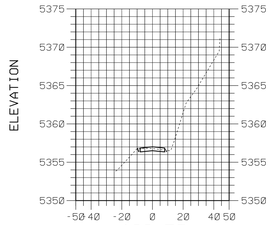


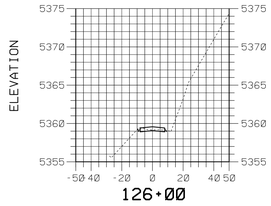


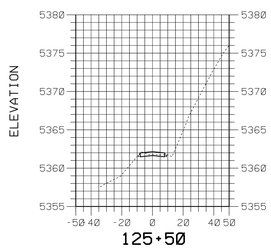


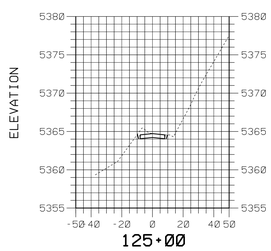


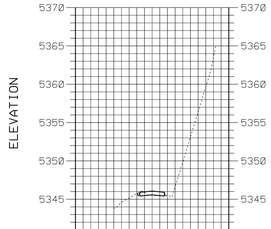


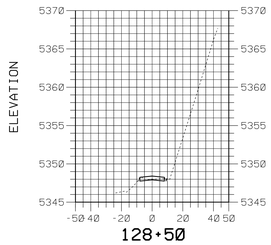


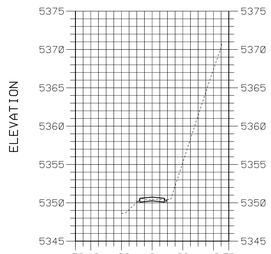


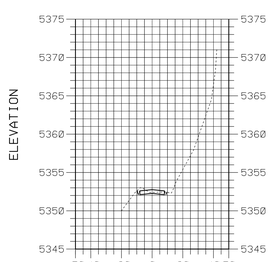


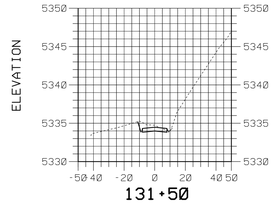


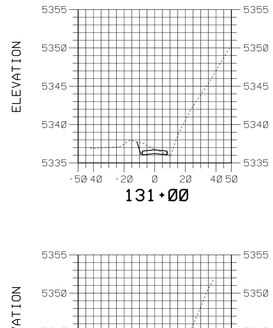


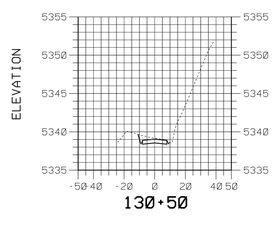


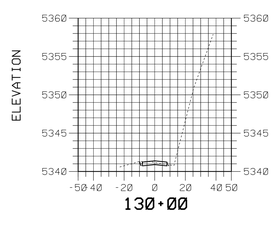


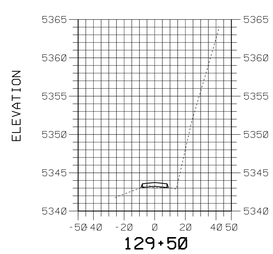


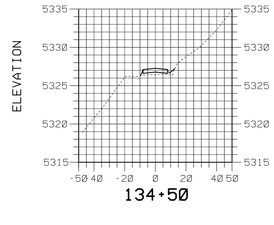


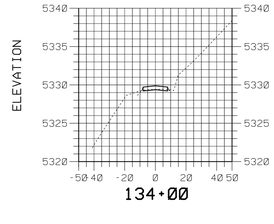


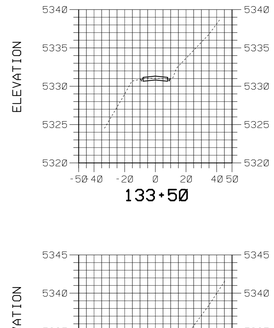


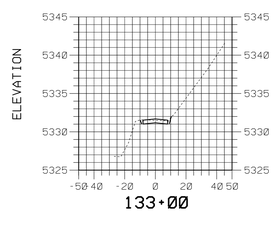


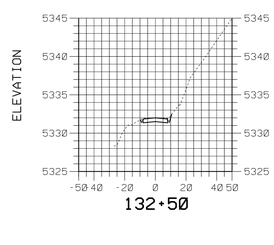


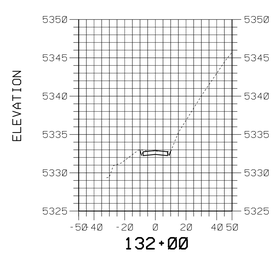












WOOD HOLLOW ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

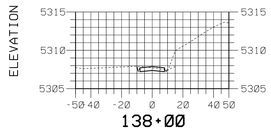
SHEET TITLE:

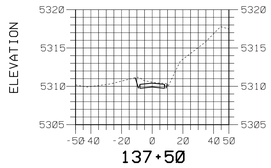
CROSS SECTION SHEET

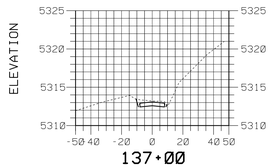
SHEET NUMBER:

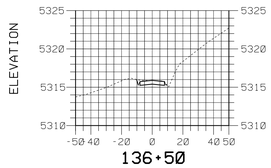
CS-07

09-JUL-2010 DGN File: Q:\22867\11-CADD\CIED Lane CS-07.dgn

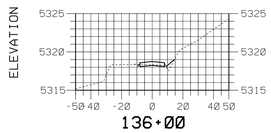


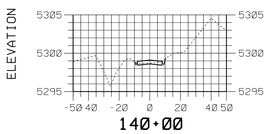


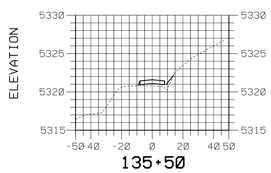


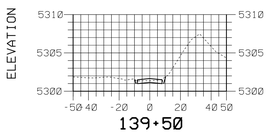


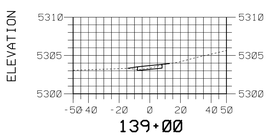
END OF BASE BID - ADDITIVES FROM
STATION 140+00 TO 240+10
(SEE SHEETS CS-09 TO CS-14)

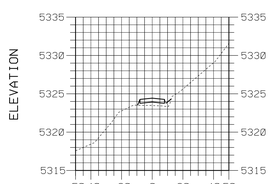


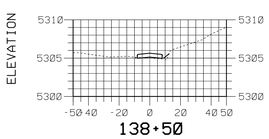












WOOD HOLLOW ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

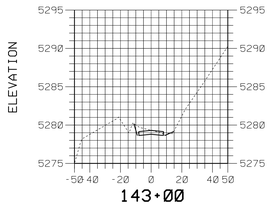
SHEET TITLE:

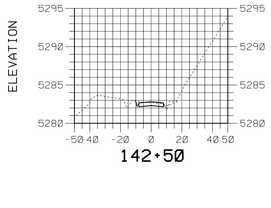
CROSS SECTION SHEET

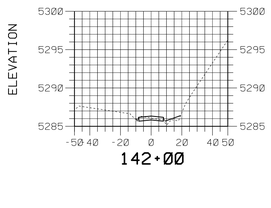
SHEET NUMBER:

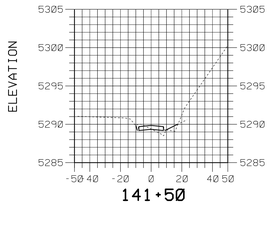
CS-08

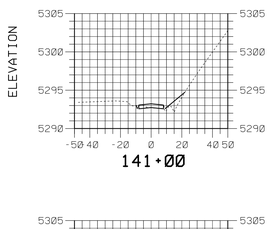
09-JUL-2010 DGN Files:G:\22867\11-CADD\CIED Lane CS-08.dgn

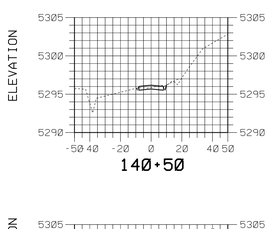


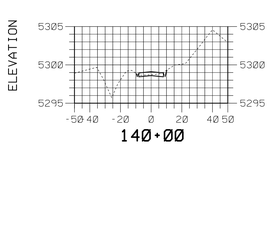


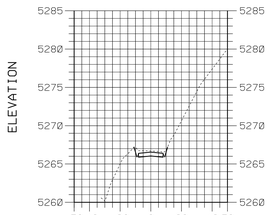


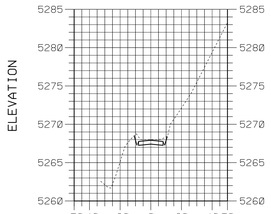


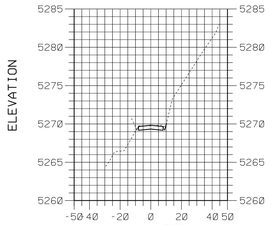


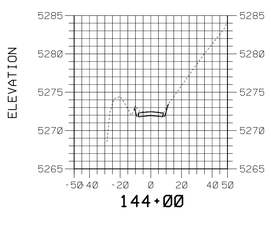


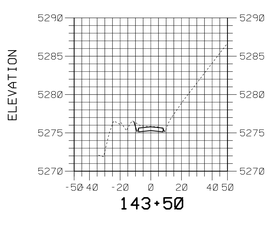


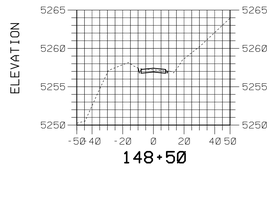


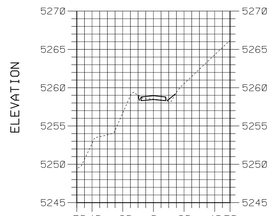


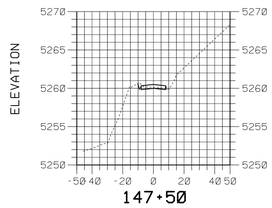


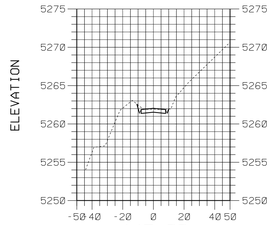


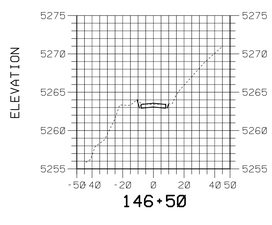


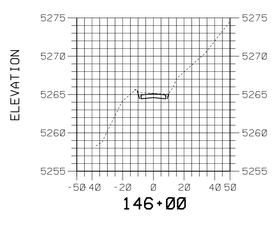


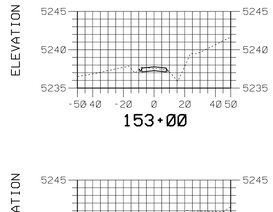


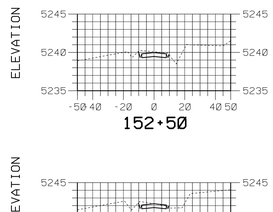


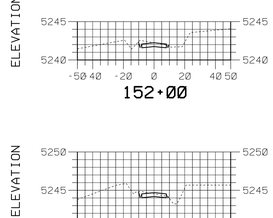


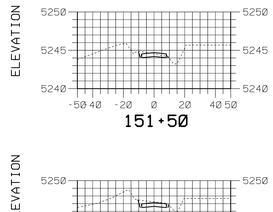


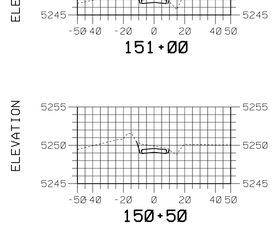


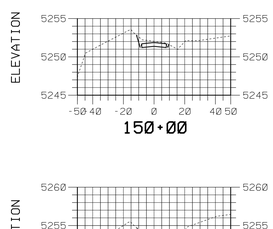


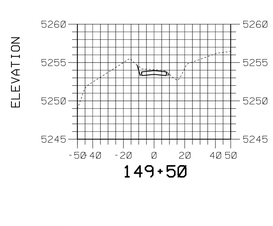


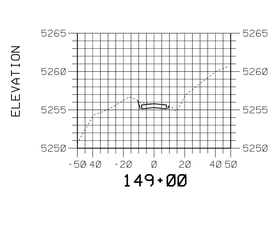


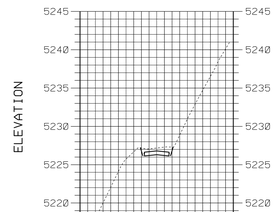


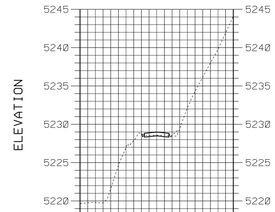


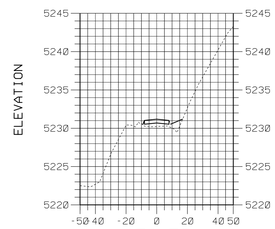


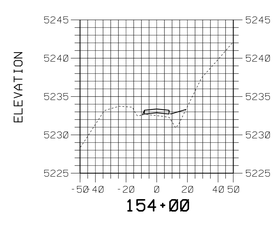


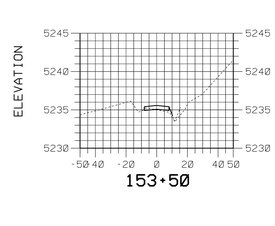


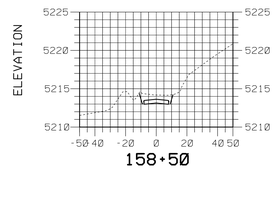


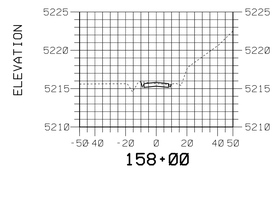


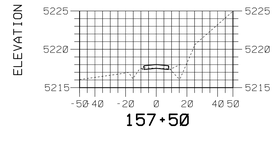


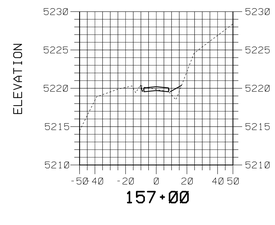


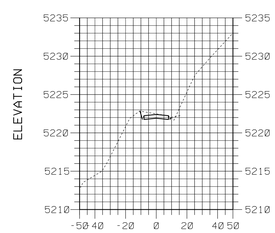


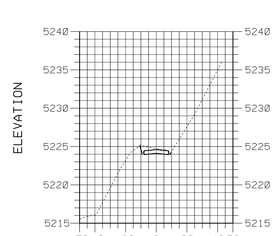












WOOD HOLLOW ROAD CROSS SECTIONS - (ADDITIVE)

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

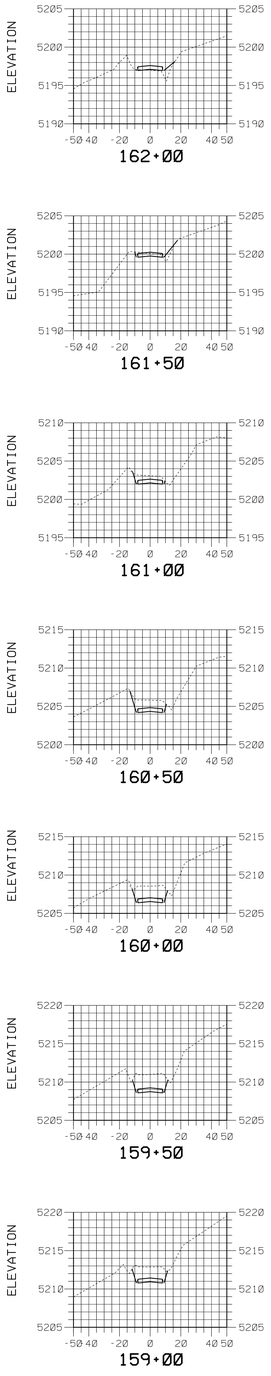
SHEET TITLE:

CROSS SECTION SHEET

SHEET NUMBER:

CS-09

09-JUL-2010 DGN File Q:\22867\11-CADD\CIED Lane CS-09.dgn



WOOD HOLLOW ROAD CROSS SECTIONS - (ADDITIVE)

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

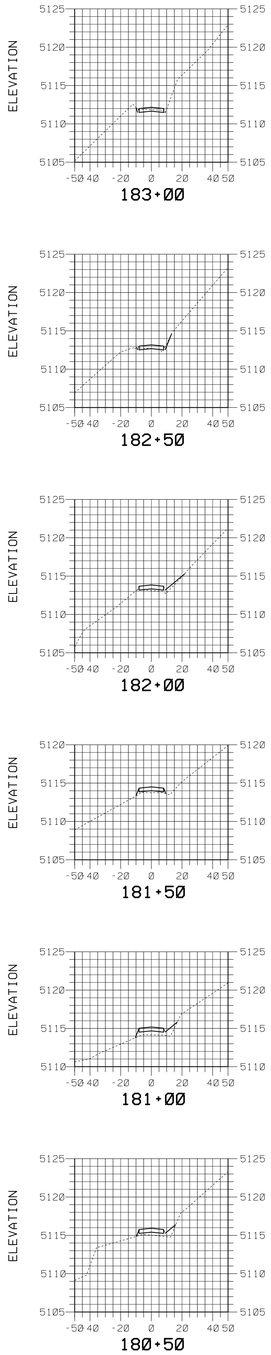
SHEET TITLE:

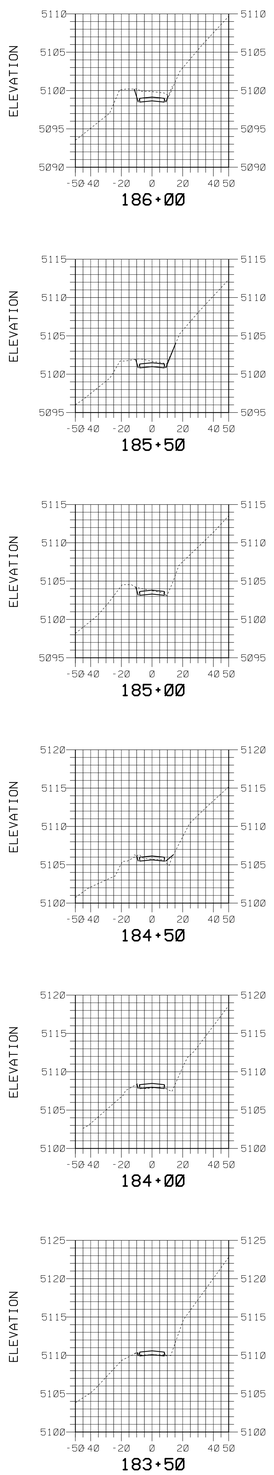
CROSS SECTION SHEET

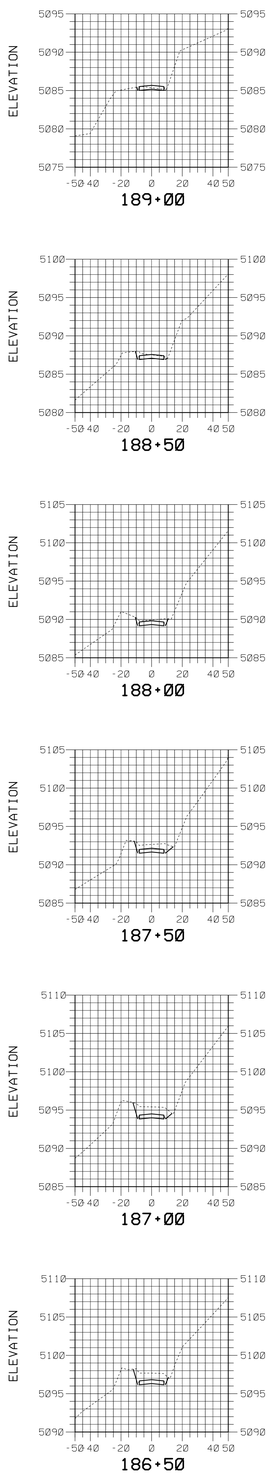
SHEET NUMBER:

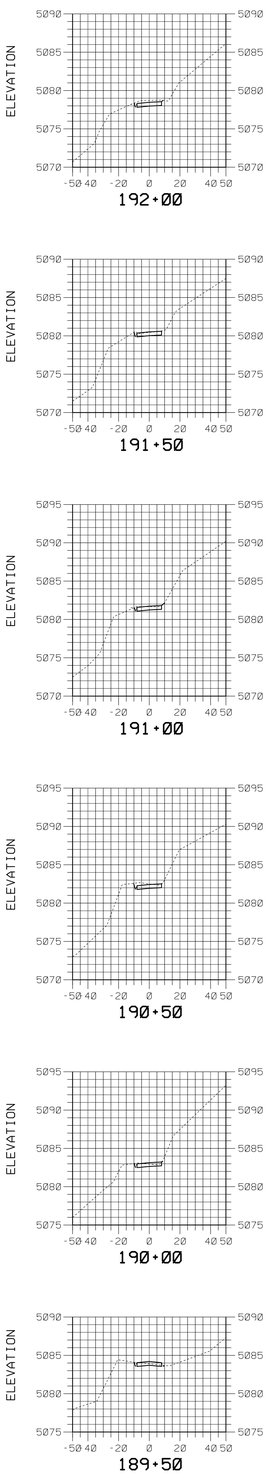
CS-10

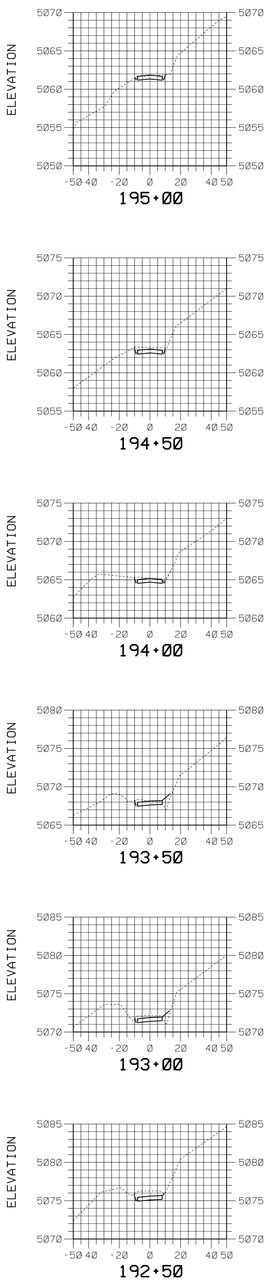
09-JUL-2010 DGN File:O:\22867\11-CADD\CIED Lane CS-10.dgn

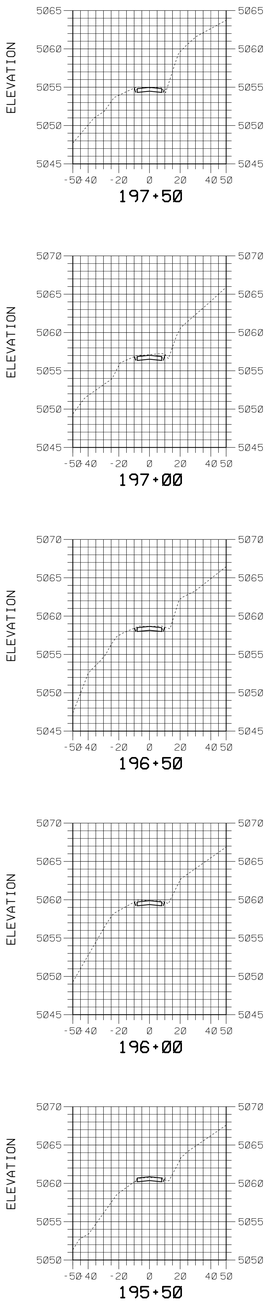












WOOD HOLLOW ROAD CROSS SECTIONS - (ADDITIVE)

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

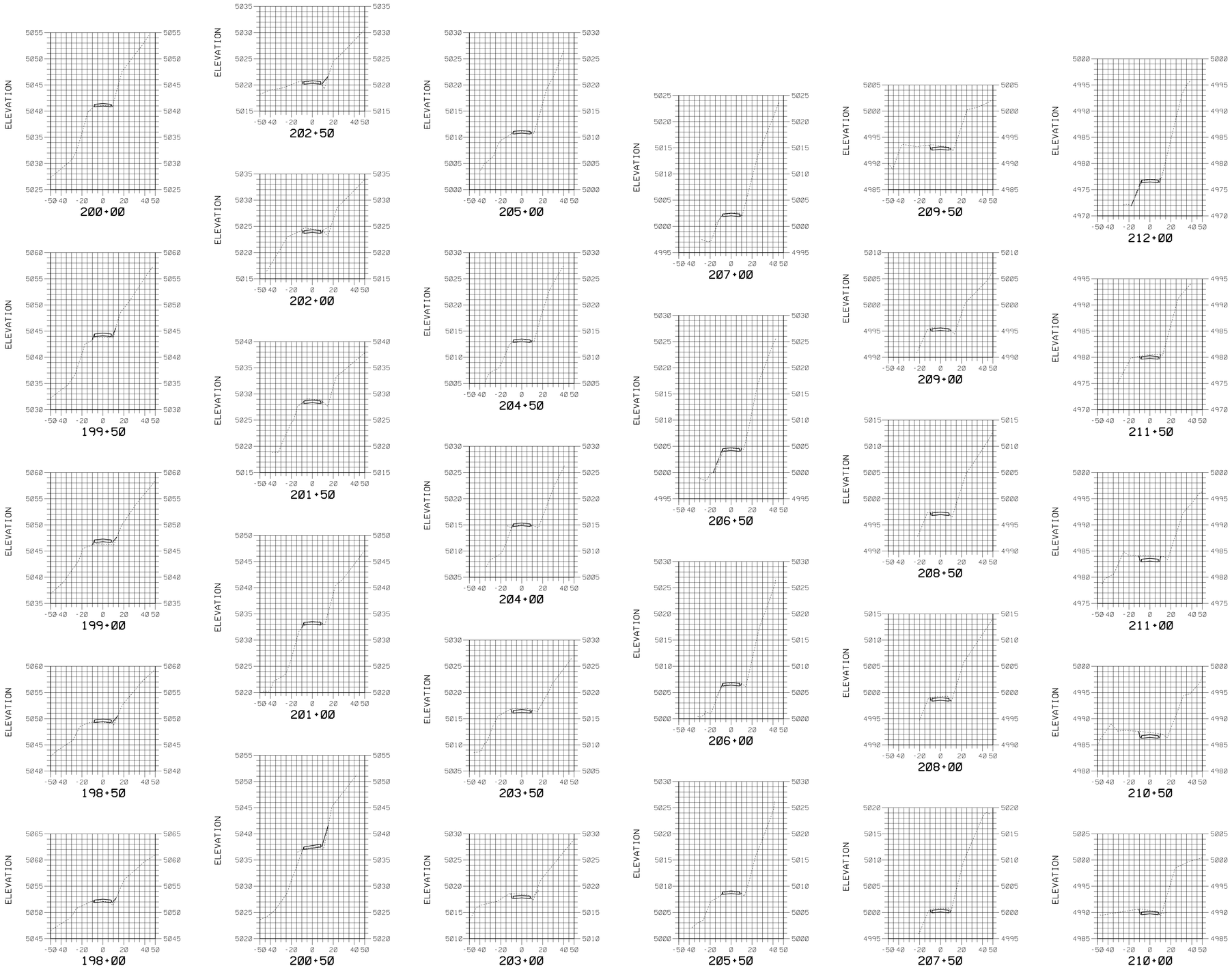
SHEET TITLE:

CROSS SECTION SHEET

SHEET NUMBER:

CS-11

09-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane CS-11.dgn



WOOD HOLLOW ROAD CROSS SECTIONS - (ADDITIVE)

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

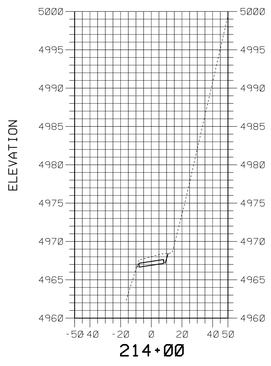
SHEET TITLE:

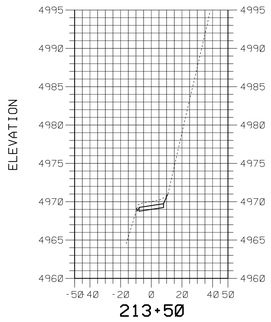
CROSS SECTION SHEET

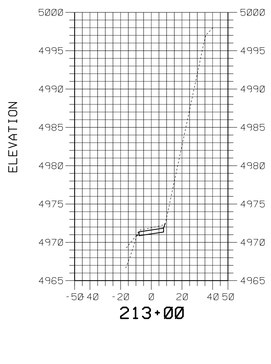
SHEET NUMBER:

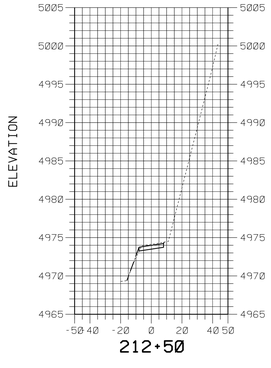
CS-12

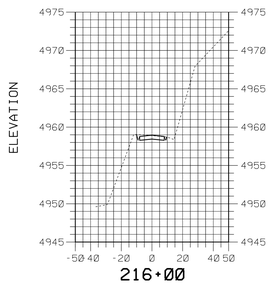
09-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane CS-12.dgn

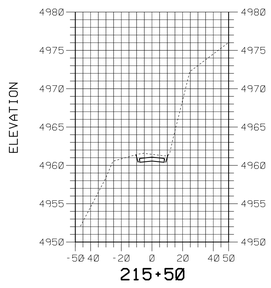


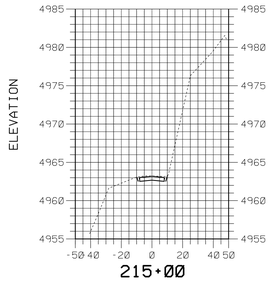


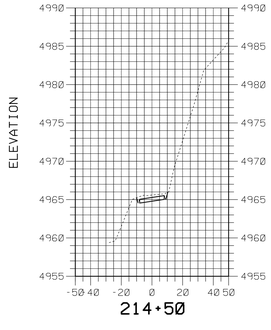


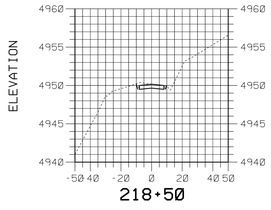


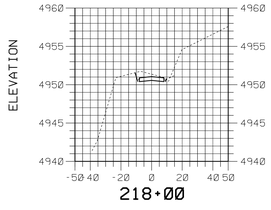


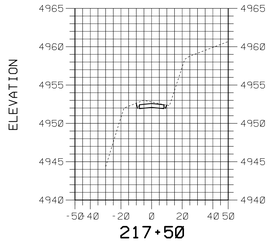


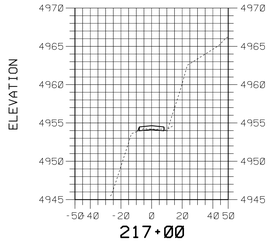


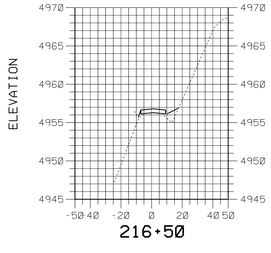


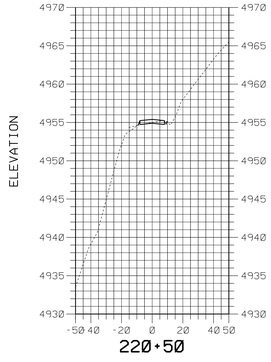


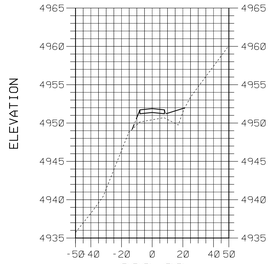


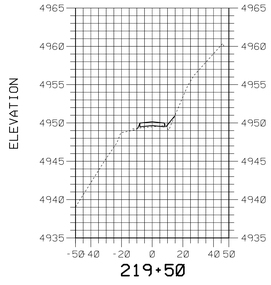


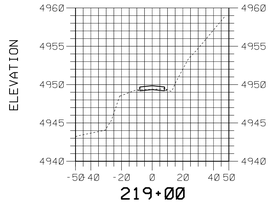


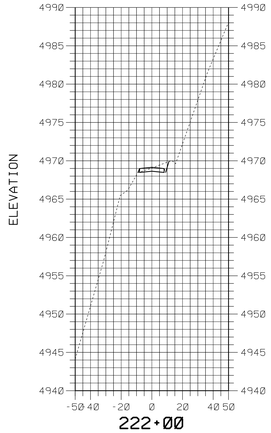


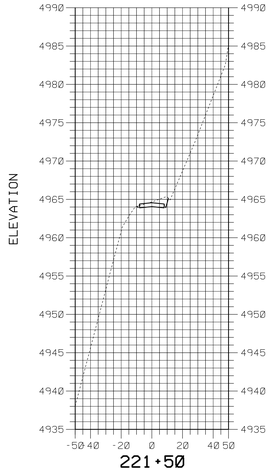


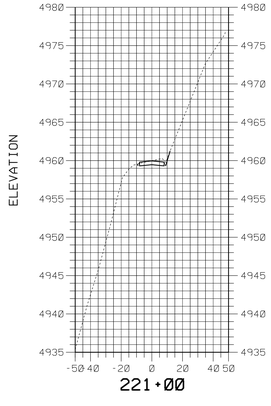


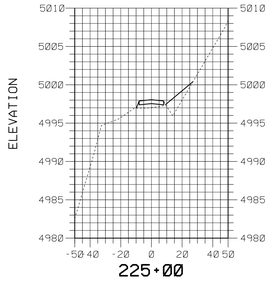


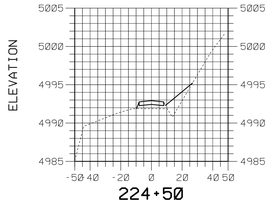


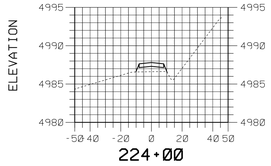


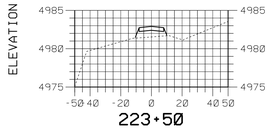


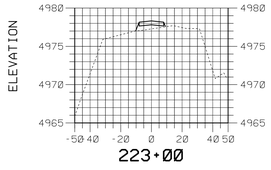


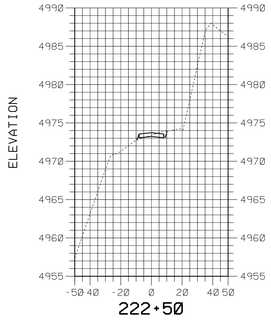












WOOD HOLLOW ROAD CROSS SECTIONS - (ADDITIVE)

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

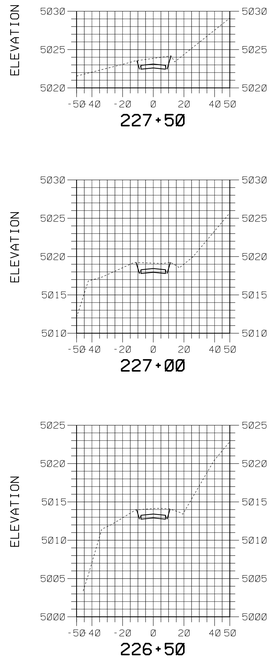
SHEET TITLE:

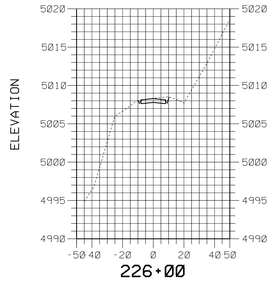
CROSS SECTION SHEET

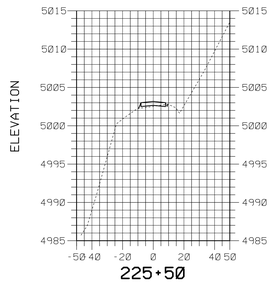
SHEET NUMBER:

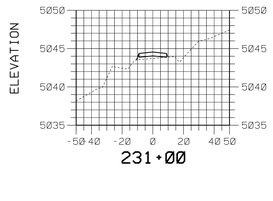
CS-13

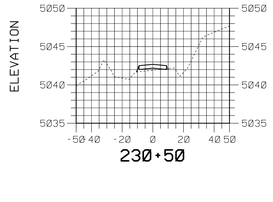
09-JUL-2010 DGN File:O:\22867\11-CADD\IED Lane CS-13.dgn

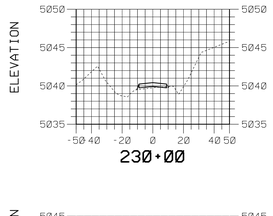


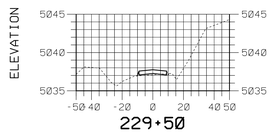


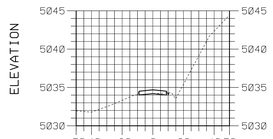


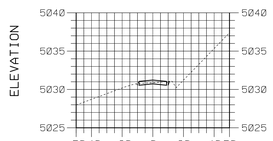


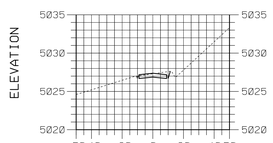


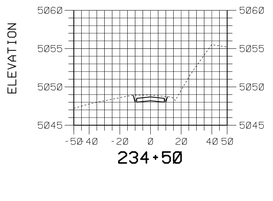


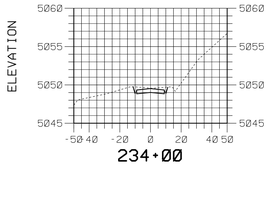


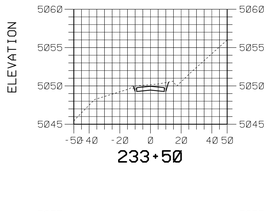


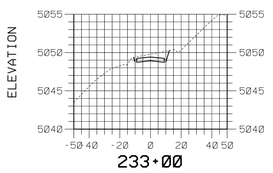


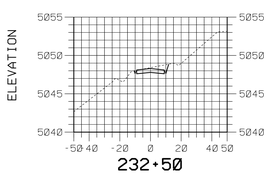


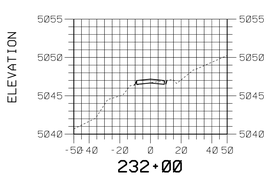


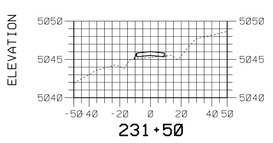


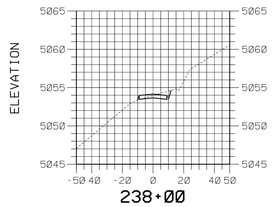


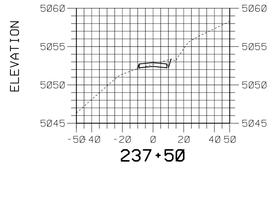


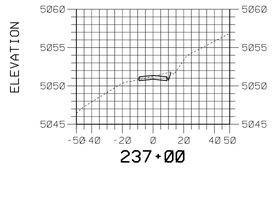


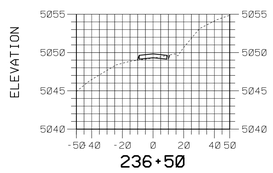


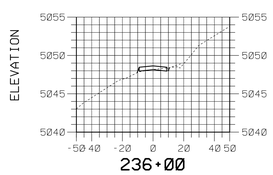


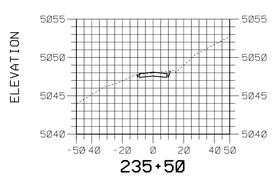


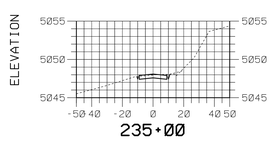


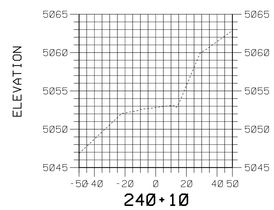


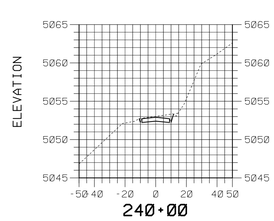


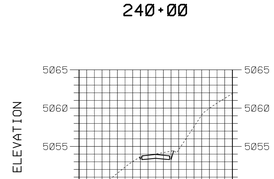


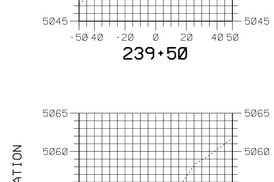


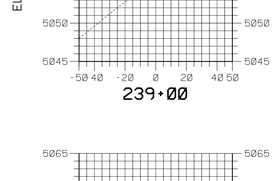












WOOD HOLLOW ROAD CROSS SECTIONS - (ADDITIVE)

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

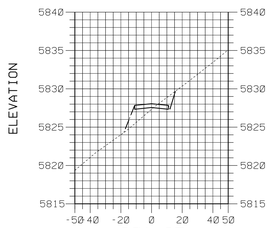
SHEET TITLE:

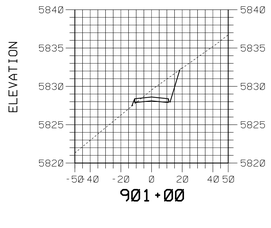
CROSS SECTION SHEET

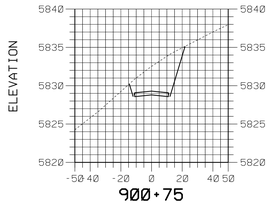
SHEET NUMBER:

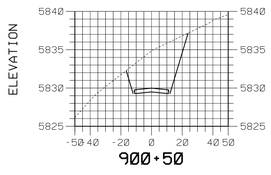
CS-14

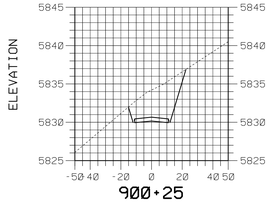
09-JUL-2010 DGN File:O:\22867\11-CADD\CIED Lane CS-14.dgn

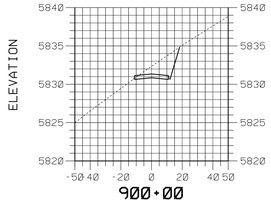


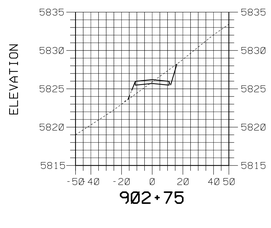


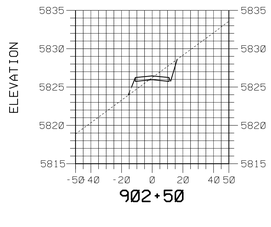


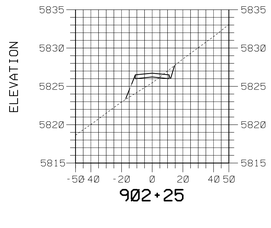


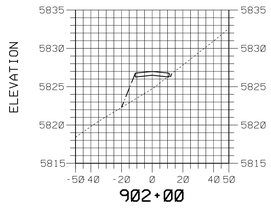


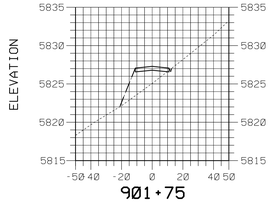


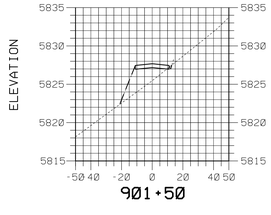


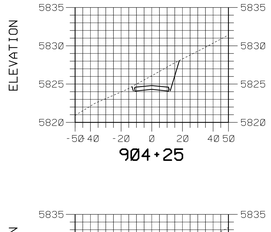


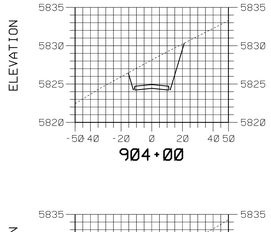


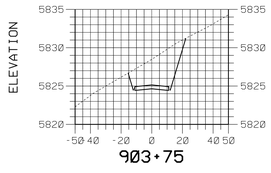


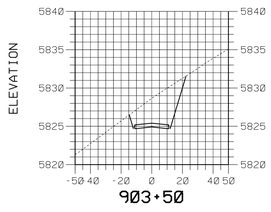


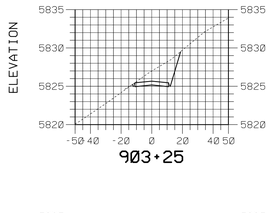


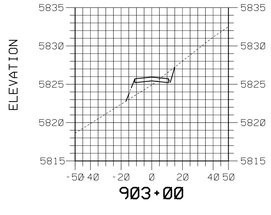


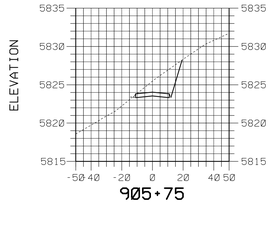


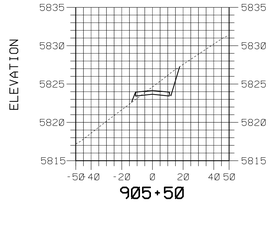


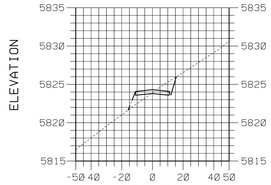


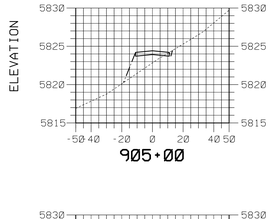


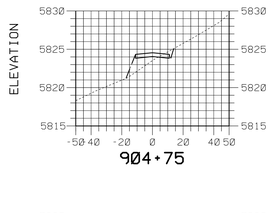


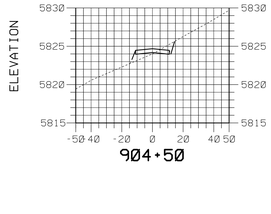


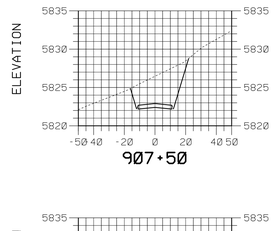


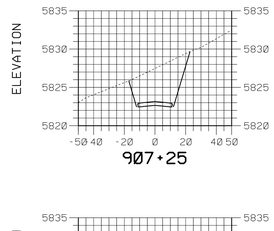


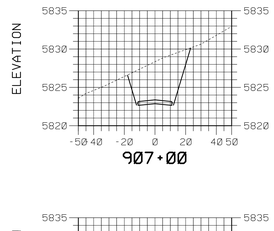


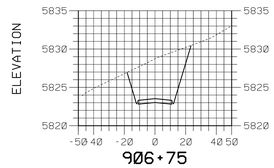


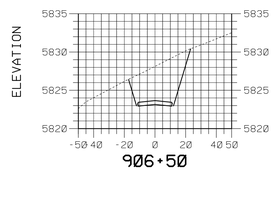


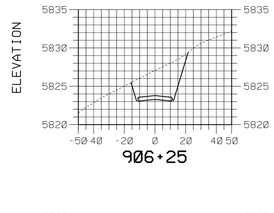


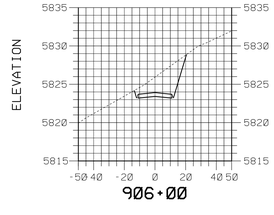


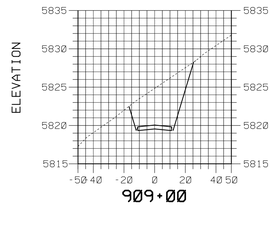


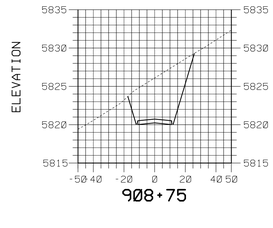


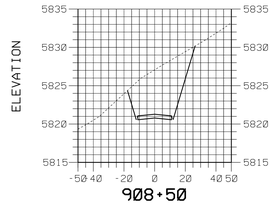


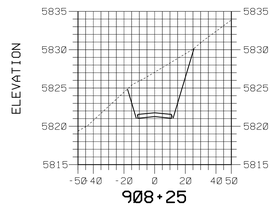


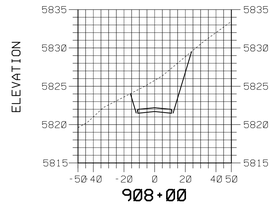


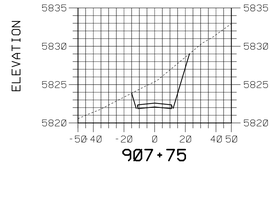












BYPASS ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

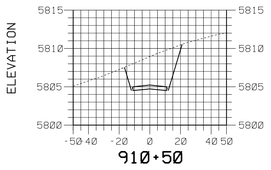
SHEET TITLE:

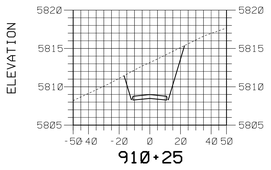
CROSS SECTION SHEET

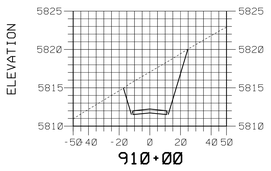
SHEET NUMBER:

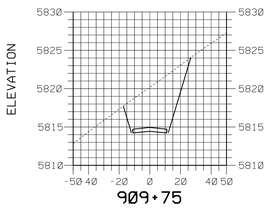
CS-15

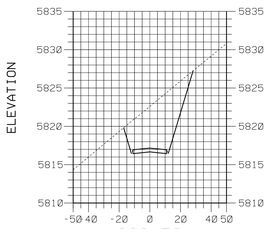
09-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane CS-15.dgn

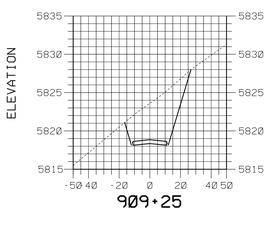


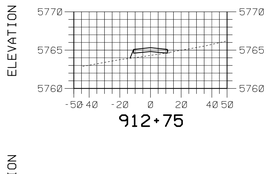


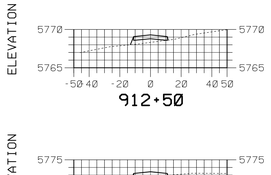


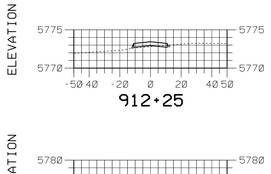


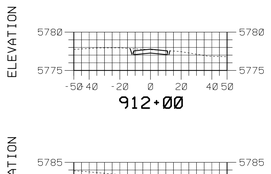


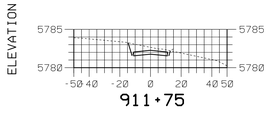


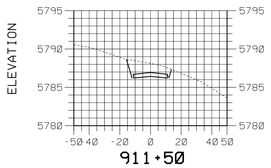


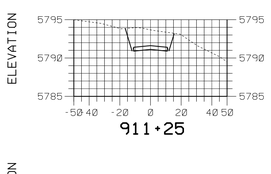


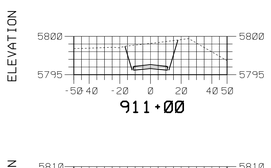


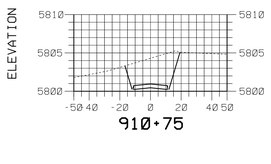


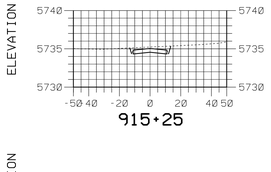


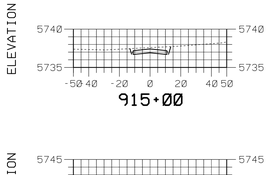


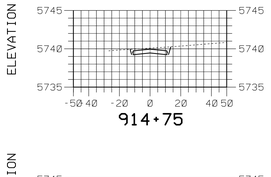


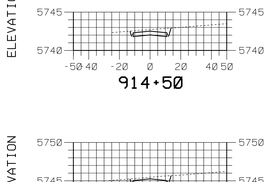


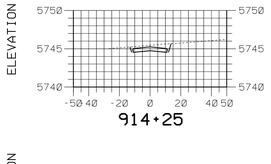


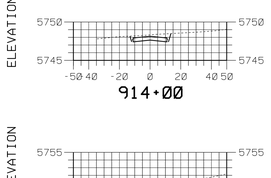


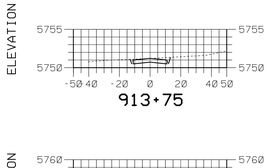


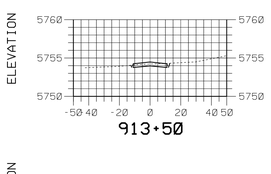


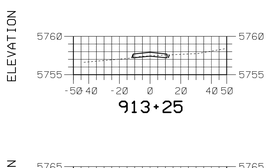


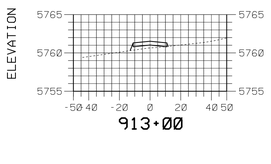


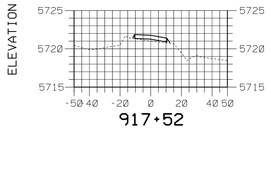


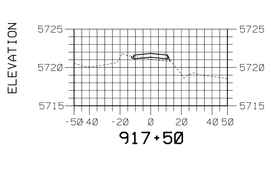


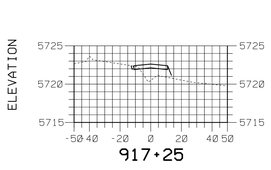


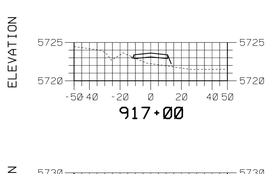


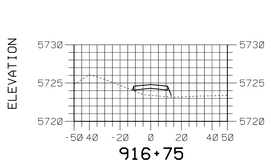


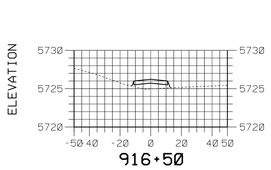


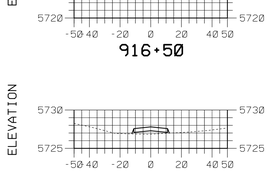


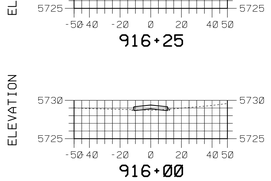


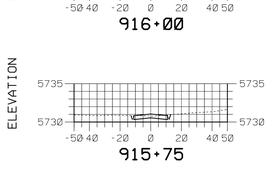


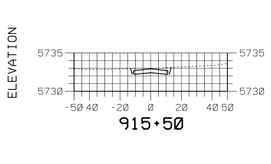












BYPASS ROAD CROSS SECTIONS

State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

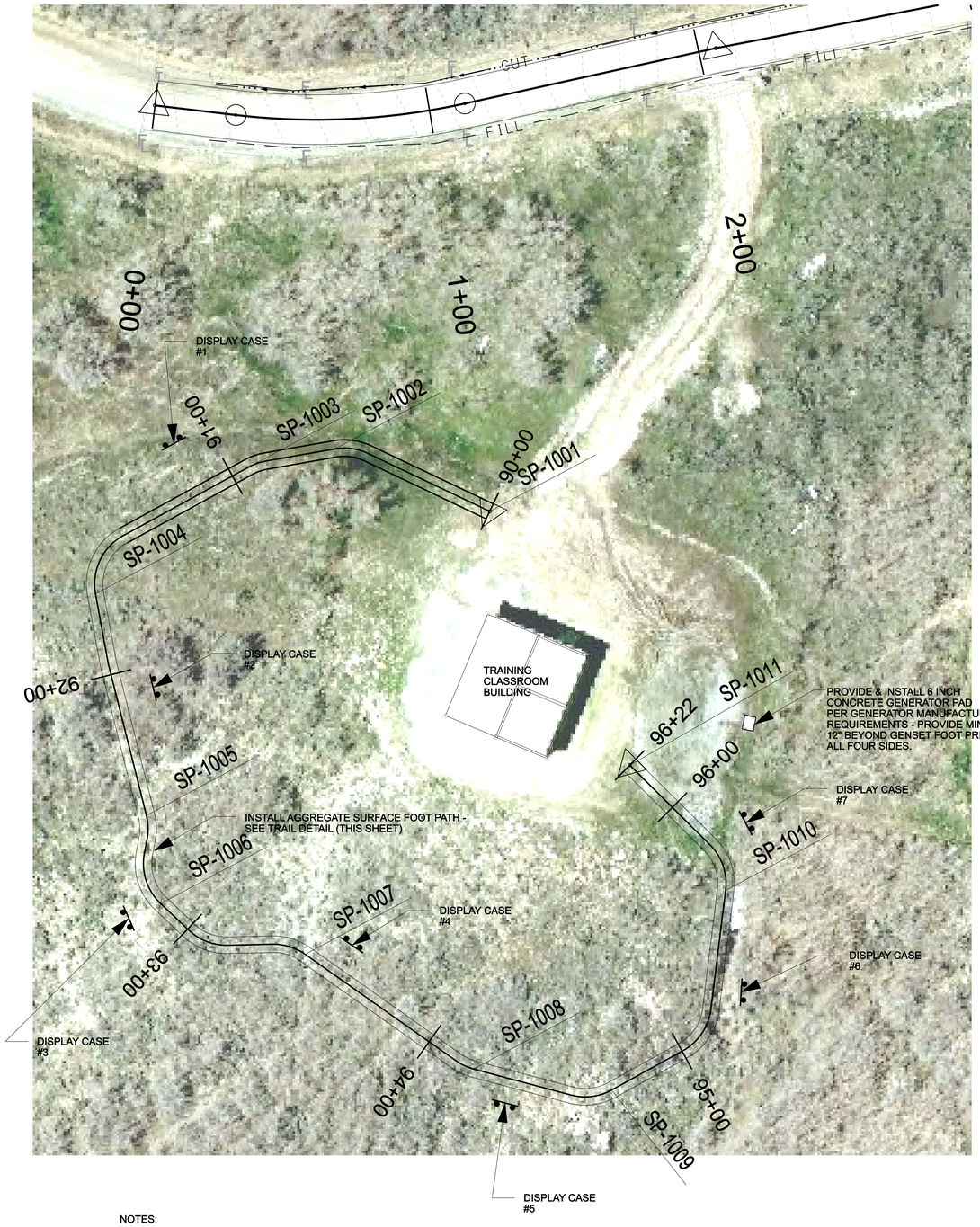
SHEET TITLE:

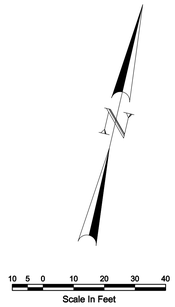
CROSS SECTION SHEET

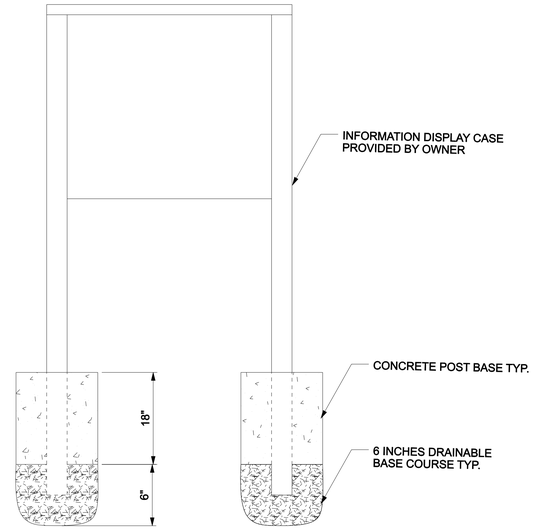
SHEET NUMBER:

CS-16

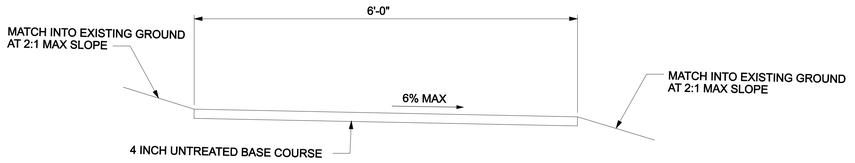
09-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane CS-16.dgn







INFORMATION DISPLAY CASE DETAIL - NTS



TRAIL DETAIL - NTS

NOTES:

1. LIMIT LAND DISTURBING ACTIVITIES TO THE MINIMUM REQUIRED TO INSTALL FOOT PATH, DISPLAY CASES & GENERATOR PAD. MAINTAIN NATURAL VEGETATION TO THE EXTENT POSSIBLE.
2. ALIGNMENT OF FOOT PATH MAY VARY TO AVOID LARGER TREES OR BOULDERS. CONTRACTOR TO STAKE OUT TRAIL FOR OWNER'S APPROVAL PRIOR TO STARTING CLEARING & GRUBBING ACTIVITIES.
3. CLEAN, GRUB & SCARIFY TO A DEPTH OF 8 INCHES TO REMOVE ALL WOODY & ORGANIC MATERIAL. RECOMPACT TO 85% PER ASTM D-1557 PRIOR TO PLACEMENT OF AGGREGATE SURFACE COURSE.
4. REFER TO SHEET E-01 FOR TRAINING CLASSROOM BUILDING ELECTRICAL IMPROVEMENTS.
5. AUGER HOLE FOR DISPLAY CASE POSTS.
6. PROVIDE AND INSTALL 1.5' OF CONCRETE AROUND POST BASES (SEE DETAIL THIS SHEET). USE 2500 PSI CONCRETE.
7. PROVIDE AND INSTALL 6 INCHES OF DRAINABLE BASE COURSE AROUND BOTTOM OF POSTS (SEE DETAIL THIS SHEET).
8. DISPLAY CASES PROVIDED BY OWNER.

SITE PLAN 1 - TRAIL ALIGNMENT POINT DATA

POINT	NORTHING	EASTING
SP-1001	7334903.438	1491557.278
SP-1002	7334912.757	1491497.388
SP-1003	7334899.278	1491468.499
SP-1004	7334841.853	1491424.817
SP-1005	7334767.754	1491461.036
SP-1006	7334737.764	1491473.328
SP-1007	7334731.736	1491528.585
SP-1008	7334705.086	1491597.487
SP-1009	7334709.017	1491648.002
SP-1010	7334788.924	1491671.828
SP-1011	7334825.271	1491627.679

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

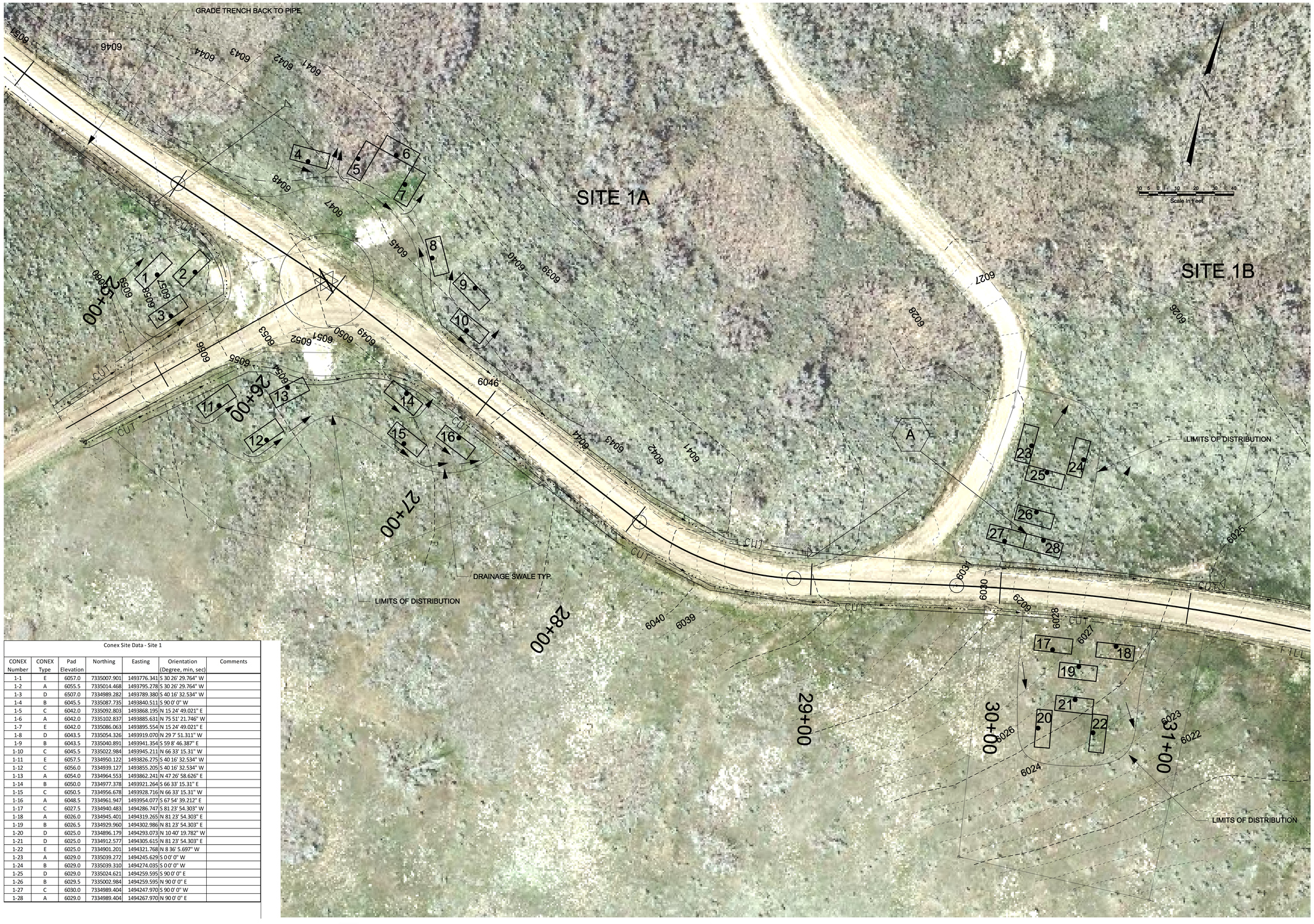
SHEET TITLE:

TRAINING CLASSROM SITE PLAN

SHEET NUMBER:

SP-01

09-JUL-2010 DGN File:Q:\22867\11-CADD\CIED Lane SP_01.dgn



Conex Site Data - Site 1

CONEX Number	CONEX Type	Pad Elevation	Northing	Easting	Orientation (Degree, min, sec)	Comments
1-1	E	6057.0	7335007.901	1493776.341	S 30 26' 29.764" W	
1-2	A	6055.5	7335014.468	1493795.278	S 30 26' 29.764" W	
1-3	D	6507.0	7334989.282	1493789.380	S 40 16' 32.534" W	
1-4	B	6045.5	7335087.735	1493840.511	S 90 0' 0" W	
1-5	C	6042.0	7335092.803	1493868.195	N 15 24' 49.021" E	
1-6	A	6042.0	7335102.837	1493885.631	N 75 51' 21.746" W	
1-7	E	6042.0	7335086.063	1493895.554	N 15 24' 49.021" E	
1-8	D	6043.5	7335054.326	1493919.070	N 29 7' 51.311" W	
1-9	B	6043.5	7335040.891	1493941.354	S 59 8' 46.387" E	
1-10	C	6045.5	7335022.984	1493945.211	N 66 33' 15.31" W	
1-11	E	6057.5	7334950.122	1493826.275	S 40 16' 32.534" W	
1-12	C	6056.0	7334939.127	1493855.205	S 40 16' 32.534" W	
1-13	A	6054.0	7334964.553	1493862.241	N 47 26' 58.626" E	
1-14	B	6050.0	7334977.378	1493921.264	S 66 33' 15.31" E	
1-15	C	6050.5	7334956.678	1493928.716	N 66 33' 15.31" W	
1-16	A	6048.5	7334961.947	1493954.077	S 67 54' 39.212" E	
1-17	C	6027.5	7334940.483	1494286.747	S 81 23' 54.303" W	
1-18	A	6026.0	7334945.401	1494319.265	N 81 23' 54.303" E	
1-19	B	6026.5	7334929.960	1494302.986	N 81 23' 54.303" E	
1-20	D	6025.0	7334896.179	1494293.073	N 10 40' 19.782" W	
1-21	D	6025.0	7334912.577	1494305.615	N 81 23' 54.303" E	
1-22	E	6025.0	7334901.201	1494321.768	N 8 36' 5.697" W	
1-23	A	6029.0	7335039.272	1494245.629	S 0 0' 0" W	
1-24	B	6029.0	7335039.310	1494274.035	S 0 0' 0" W	
1-25	D	6029.0	7335024.621	1494259.595	S 90 0' 0" E	
1-26	B	6029.5	7335002.984	1494259.595	N 90 0' 0" E	
1-27	C	6030.0	7334989.404	1494247.970	S 90 0' 0" W	
1-28	A	6029.0	7334989.404	1494267.970	N 90 0' 0" E	

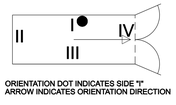
NOTES:

1. GRADE SITE ACCORDING TO SPOT ELEVATIONS SHOWN.
2. SEE THIS SHEET FOR TYPICAL CONEX PAD GRADING REQUIREMENTS.
3. SEE SHEET DT-01 FOR CONEX CONTAINER LAYOUT DETAILS.
4. NUMBERS AND DOTS ON CONEX CORRESPOND TO SPECIFIC LAYOUT REQUIREMENTS FOUND ON DT-01.

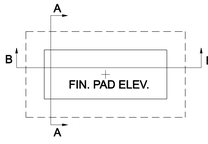
A — PLACE CONEX CONTAINERS END TO END.

B — REMOVE DOUBLE LOADING DOORS.

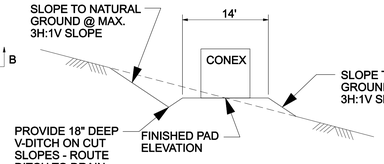
C — MODIFY LOCATION OF DOOR OPENINGS TO MATCH.



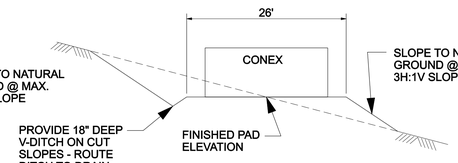
ORIENTATION DOT INDICATES SIDE "I"
ARROW INDICATES ORIENTATION DIRECTION



PLAN



SECTION A



SECTION B

CONEX PAD

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:

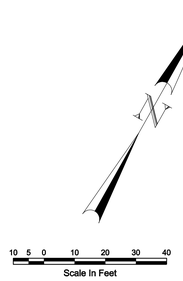
TRAINING SITE 1A & 1B - SITE PLAN

SHEET NUMBER:

SP-02

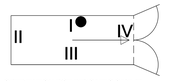
09-JUL-2010 DGN File: O:\22867\11-CADD\CIED Lane SP_02.dgn

Conex Site Data - Site 2						
CONEX Number	CONEX Type	Pad Elevation	Northing	Easting	Orientation (Degree, Min, Sec)	Comments
2-1	A	5990.5	7335426.389	1495689.528	S 51 30' 30.688" E	
2-2	A	5988.5	7335452.201	1495713.320	N 51 30' 30.688" W	
2-3	C	5985.5	7335428.850	1495714.067	S 38 29' 29.312" W	



NOTES:

1. GRADE SITE ACCORDING TO SPOT ELEVATIONS SHOWN.
2. SEE SHEET SP-02 FOR TYPICAL CONEX PAD GRADING REQUIREMENTS.
3. SEE SHEET DT-01 FOR CONEX CONTAINER LAYOUT DETAILS.
4. NUMBERS AND DOTS ON CONEX CORRESPOND TO SPECIFIC LAYOUT REQUIREMENTS FOUND ON DT-01.



ORIENTATION DOT INDICATES SIDE "I"
ARROW INDICATES ORIENTATION DIRECTION

A — PLACE CONEX CONTAINERS END TO END.

B — REMOVE DOUBLE LOADING DOORS.

C — MODIFY LOCATION OF DOOR OPENINGS TO MATCH.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

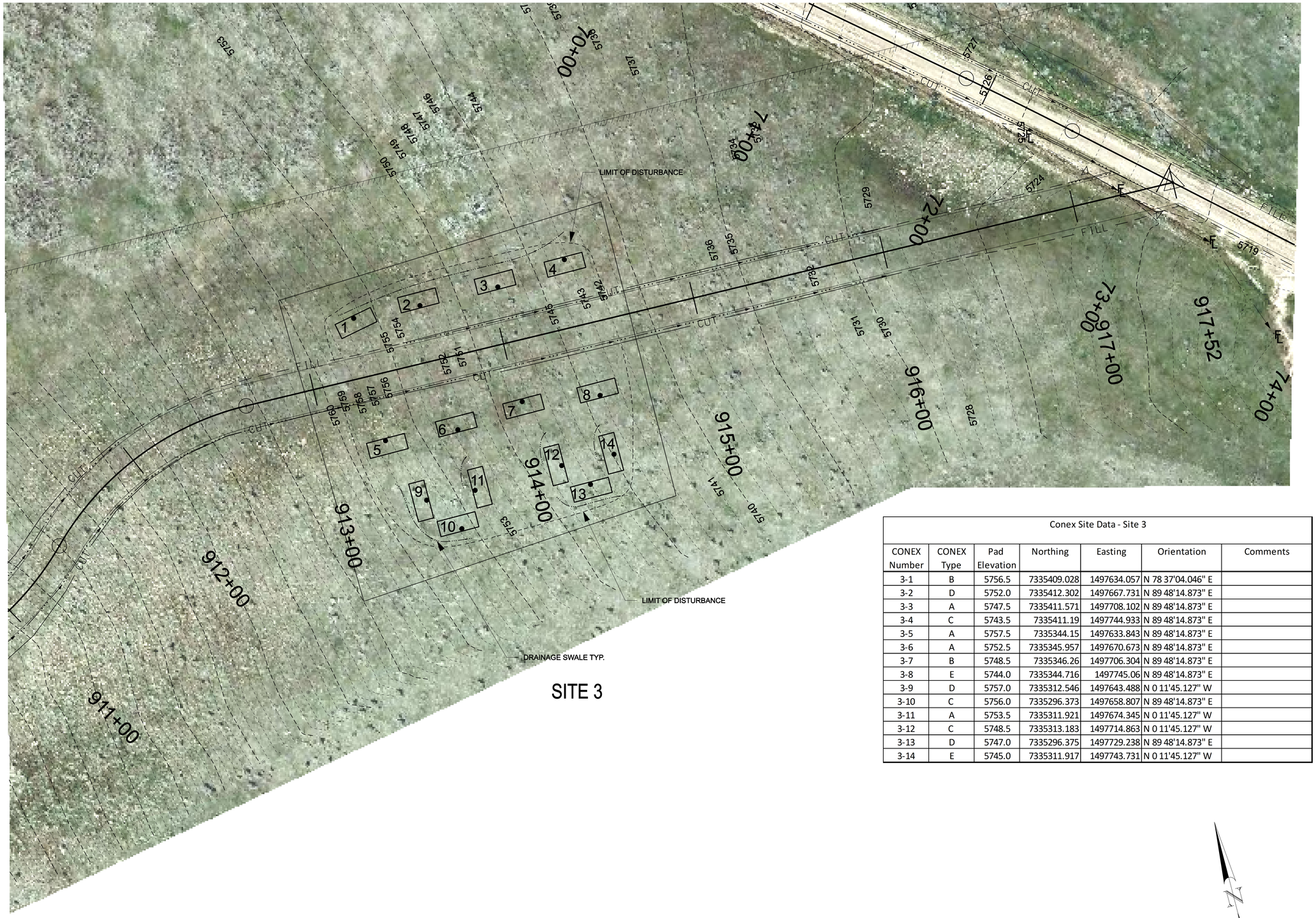
REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:
TRAINING SITE 2 - SITE PLAN

SHEET NUMBER:
SP-03

09-JUL-2010 DGN File O:\22867\11-CADD\CIED Lane SP_03.dgn



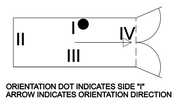
SITE 3

Conex Site Data - Site 3

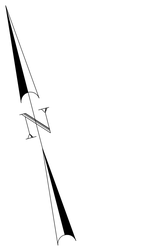
CONEX Number	CONEX Type	Pad Elevation	Northing	Easting	Orientation	Comments
3-1	B	5756.5	7335409.028	1497634.057	N 78 37'04.046" E	
3-2	D	5752.0	7335412.302	1497667.731	N 89 48'14.873" E	
3-3	A	5747.5	7335411.571	1497708.102	N 89 48'14.873" E	
3-4	C	5743.5	7335411.19	1497744.933	N 89 48'14.873" E	
3-5	A	5757.5	7335344.15	1497633.843	N 89 48'14.873" E	
3-6	A	5752.5	7335345.957	1497670.673	N 89 48'14.873" E	
3-7	B	5748.5	7335346.26	1497706.304	N 89 48'14.873" E	
3-8	E	5744.0	7335344.716	1497745.06	N 89 48'14.873" E	
3-9	D	5757.0	7335312.546	1497643.488	N 0 11'45.127" W	
3-10	C	5756.0	7335296.373	1497658.807	N 89 48'14.873" E	
3-11	A	5753.5	7335311.921	1497674.345	N 0 11'45.127" W	
3-12	C	5748.5	7335313.183	1497714.863	N 0 11'45.127" W	
3-13	D	5747.0	7335296.375	1497729.238	N 89 48'14.873" E	
3-14	E	5745.0	7335311.917	1497743.731	N 0 11'45.127" W	

NOTES:

1. GRADE SITE ACCORDING TO SPOT ELEVATIONS SHOWN.
2. SEE SHEET SP-02 FOR TYPICAL CONEX PAD GRADING REQUIREMENTS.
3. SEE SHEET DT-01 FOR CONEX CONTAINER LAYOUT DETAILS.
4. NUMBERS AND DOTS ON CONEX CORRESPOND TO SPECIFIC LAYOUT REQUIREMENTS FOUND ON DT-01.



ORIENTATION DOT INDICATES SIDE "I"
ARROW INDICATES ORIENTATION DIRECTION



10 5 0 10 20 30 40
Scale In Feet

Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

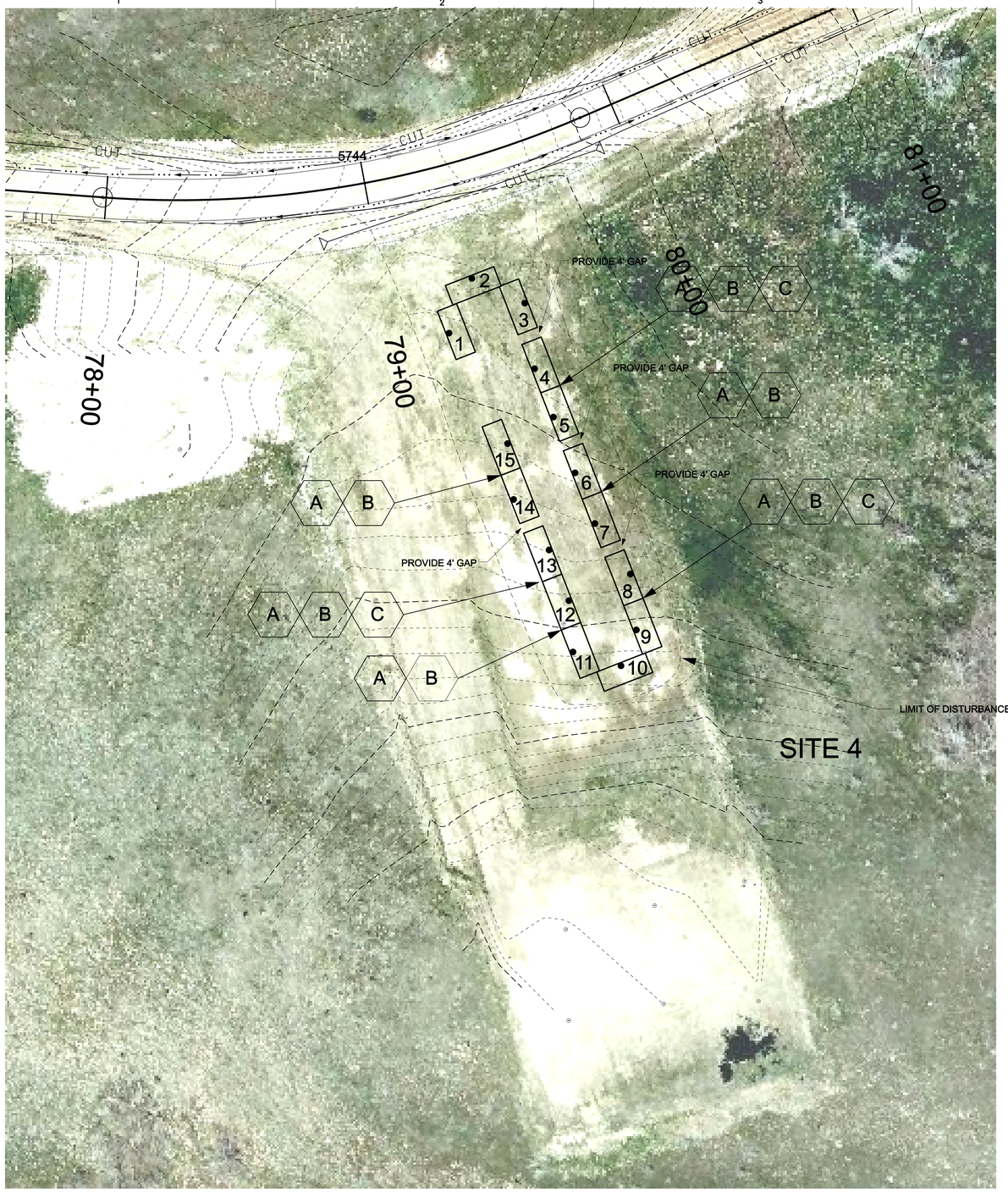
SHEET TITLE:

TRAINING SITE 3 - SITE PLAN

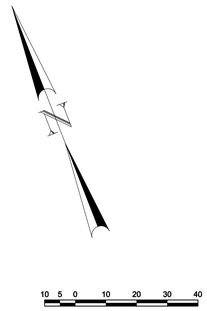
SHEET NUMBER:

SP-04

09-JUL-2010 DGN File: G:\22867\11-CADD\CIED Lane SP_04.dgn

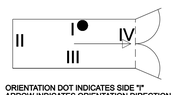


Conex Site Data - Site 4						
CONEX Number	CONEX Type	Pad Elevation	Northing	Easting	Orientation (Degree, Min, Sec)	Comments
4-1	D	5752.0	7335010.192	1498575.868	N 0 0' 0" E	
4-2	A	5752.0	7335024.178	1498588.35	N 90 0' 0"E	
4-3	B	5752.0	7335010.259	1498601.598	S 0 0' 0" E	
4-4	A	5752.5	7334986.583	1498601.487	N 0 0' 0" E	
4-5	C	5752.5	7334966.422	1498601.681	N 0 0' 0" E	
4-6	D	5753.0	7334942.384	1498601.643	N 0 0' 0" E	
4-7	A	5753.0	7334922.154	1498601.683	N 0 0' 0" E	
4-8	C	5753.5	7334889.493	1498601.664	S 0 0' 0" E	
4-9	D	5753.5	7334878.196	1498601.549	N 0 0' 0" E	
4-10	E	5754.0	7334864.117	1498588.770	N 90 0 ' 0" E	
4-11	B	5753.5	7334878.388	1498575.793	N 0 0' 0" E	
4-12	A	5753.5	7334898.309	1498575.888	S 0 0' 0" E	
4-13	C	5753.5	7334918.206	1498575.718	S 0 0' 0" E	
4-14	A	5753.0	7334942.200	1498575.868	N 0 0' 0" E	
4-15	D	5753.0	7334962.362	1498575.673	S 0 0' 0" E	



NOTES:

1. GRADE SITE ACCORDING TO SLOPES SHOWN.
2. SEE SHEET SP-02 FOR TYPICAL CONEX PAD GRADING REQUIREMENTS.
3. SEE SHEET DT-01 FOR CONEX CONTAINER LAYOUT DETAILS.
4. NUMBERS AND DOTS ON CONEX CORRESPOND TO SPECIFIC LAYOUT REQUIREMENTS FOUND ON DT-01.



ORIENTATION DOT INDICATES SIDE "I"
ARROW INDICATES ORIENTATION DIRECTION

A — PLACE CONEX CONTAINERS END TO END .

B — REMOVE DOUBLE LOADING DOORS.

C — MODIFY LOCATION OF DOOR OPENINGS TO MATCH.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:

TRAINING SITE 4 - SITE PLAN

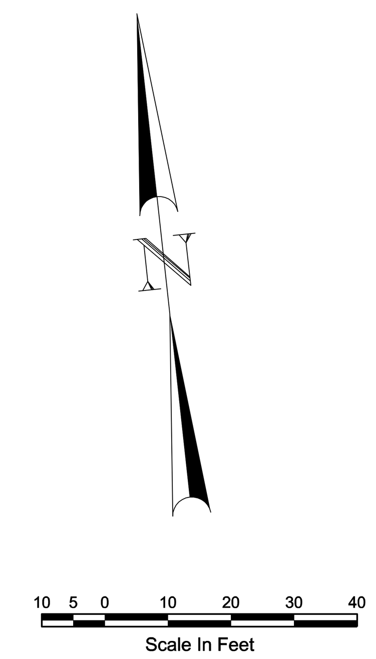
SHEET NUMBER:

SP-05

09-JUL-2010 DGN File:O:\22867\11-CADD\CIED Lane SP_05.dgn

Conex Site Data - Site 5

CONEX Number	CONEX Type	Pad Elevation	Northing	Easting	Orientation (Degree, Min, Sec)	Comments
5-1	A	5499.0	7334748.943	1500399.028	S 51 31' 54.954"E	
5-2	B	5499.0	7334747.368	1500379.002	S 42 32' 23.639" W	
5-3	D	5499.0	7334732.632	1500365.480	N 42 32' 23.639" E	
5-4	C	5499.0	7334714.949	1500349.253	N 42 32' 23.639" E	
5-5	A	5499.0	7334700.212	1500335.731	S 42 32' 23.639" W	
5-6	E	5499.0	7334680.233	1500336.142	S 44 53' 46.756" E	
5-7	D	5499.0	7334680.853	1500355.751	N 42 32' 23.639" E	
5-8	A	5499.0	7334695.590	1500369.273	S 42 32' 23.639" W	
5-9	B	5499.0	7334710.326	1500382.795	S 42 32' 23.639" W	



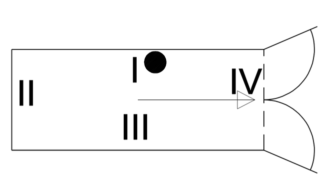
NOTES:

1. GRADE SITE ACCORDING TO SLOPES SHOWN.
2. SEE SHEET SP-02 FOR TYPICAL CONEX PAD GRADING REQUIREMENTS.
3. SEE SHEET DT-01 FOR CONEX CONTAINER LAYOUT DETAILS.
4. NUMBERS AND DOTS ON CONEX CORRESPOND TO SPECIFIC LAYOUT REQUIREMENTS FOUND ON DT-01.

A — PLACE CONEX CONTAINERS END TO END.

B — REMOVE DOUBLE LOADING DOORS.

C — MODIFY LOCATION OF DOOR OPENINGS TO MATCH.



ORIENTATION DOT INDICATES SIDE "I"
ARROW INDICATES ORIENTATION DIRECTION

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:

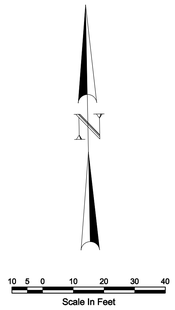
TRAINING SITE 5 - SITE PLAN

SHEET NUMBER:

SP-06

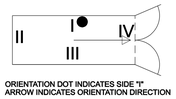
09-JUL-2010 DGN File: O:\22867\11-CADD\CIED Lane SP_06.dgn

Conex Site Data - Site 6						
CONEX Number	CONEX Type	Pad Elevation	Northing	Easting	Orientation (Degree, Min, Sec)	Comments
6-1	C	5308.0	7334835.400	1504131.356	S 90 0' 0" E	
6-2	C	5307.0	7334852.409	1504146.503	N 21 35' 14.768" E	
6-3	B	5307.0	7334871.015	1504153.839	S 21 26' 46.406" W	
6-4	A	5306.0	7334882.892	1504171.205	S 89 48' 52.423" W	
6-5	C	5306.0	7334882.957	1504191.205	N 89 48' 52.423" E	
6-6	E	5304.5	7334874.971	1504211.553	N 44 53' 46.756" W	
6-7	D	5303.5	7334857.970	1504228.493	N 44 53' 46.756" W	
6-8	D	5302.0	7334824.660	1504266.597	S 33 57' 41.875" E	
6-9	B	5302.0	7334808.072	1504277.770	N 33 57' 41.875" W	
6-10	B	5305.0	7334681.533	1504252.692	S 23 4' 39.49" W	
6-11	A	5305.0	7334663.134	1504244.852	S 23 4' 39.49" W	



NOTES:

1. GRADE SITE ACCORDING TO SLOPES SHOWN.
2. SEE SHEET SP-02 FOR TYPICAL CONEX PAD GRADING REQUIREMENTS.
3. SEE SHEET DT-01 FOR CONEX CONTAINER LAYOUT DETAILS.
4. NUMBERS AND DOTS ON CONEX CORRESPOND TO SPECIFIC LAYOUT REQUIREMENTS FOUND ON DT-01.



ORIENTATION DOT INDICATES SIDE "I"
ARROW INDICATES ORIENTATION DIRECTION

A — PLACE CONEX CONTAINERS END TO END .

B — REMOVE DOUBLE LOADING DOORS .

C — MODIFY LOCATION OF DOOR OPENINGS TO MATCH.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:

TRAINING SITE 6 - SITE PLAN

SHEET NUMBER:

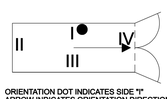
SP-07

09-JUL-2010 DGN File: Q:\22867\11-CADD\CIED Lane SP_07.dgn

Conex Site Data - Site 7						
CONEX Number	CONEX Type	Pad Elevation	Northing	Easting	Orientation (Degree, Min, Sec)	Comments
7-1	C	5216.0	7334891.652	1506048.923	S 79 14' 52.675" E	
7-2	B	5215.5	7334901.254	1506065.303	N 80 24' 50.548" W	
7-3	A	5215.5	7334886.211	1506079.08	S 83 2' 57.582" E	
7-4	B	5215.0	7334883.012	1506099.703	N 18 38' 32.118" E	
7-5	D	5212.5	7334893.404	1506118.049	S 77 29' 46.912" E	
7-6	E	5212.5	7334875.558	1506129.269	N 15 11' 3.353" E	
7-7	E	5212.0	7334863.297	1506149.569	N 72 5' 3.867" W	
7-8	A	5211.5	7334855.637	1506174.943	N 69 26' 41.138" W	
7-9	B	5210.0	7334832.692	1506239.365	S 76 49' 44.008" E	
7-10	B	5210.0	7334828.135	1506258.839	N 76 49' 44.009" W	
7-11	C	5207.5	7334821.337	1506284.524	S 76 49' 44.009" E	
7-12	D	5207.5	7334816.78	1506303.998	N 76 49' 44.009" W	
7-13	A	5206.0	7334810.02	1506333.411	N 79 4' 48.899" W	
7-14	C	5203.0	7334806.217	1506358.416	S 79 53' 49.929" E	
7-15	A	5200.0	7334801.365	1506382.852	S 80 47' 53.454" E	
7-16	E	5200.0	7334798.167	1506402.595	N 80 47' 53.454" W	
7-17	B	5214.0	7334783.222	1506225.787	N 75 6' 37.167" W	
7-18	B	5212.5	7334777.041	1506248.981	S 75 3' 14.34" E	
7-19	A	5211.0	7334769.3	1506276.005	S 73 26' 14.556"E	
7-20	D	5210.5	7334760.592	1506299.018	S 63 30' 4.783" E	
7-21	C	5210.0	7334742.348	1506324.142	N 90 0' 0" W	
7-22	B	5208.5	7334742.348	1506348.142	N 90 0' 0" W	
7-23	D	5203.0	7334754.694	1506387.67	S 83 25' 33.511" E	
7-24	A	5203.0	7334752.404	1506407.538	N 83 25' 33.511" W	
7-25	C	5201.0	7334750.871	1506434.819	S 6 14' 52.318" W	
7-26	A	5201.0	7334734.24	1506450.198	S 84 11' 50.881" E	
7-27	D	5199.0	7334746.731	1506468.601	N 4 35' 19.322" E	
7-28	A	5203.0	7334713.183	1506433.423	S 60 3' 0.269" E	
7-29	D	5203.0	7334711.278	1506454.939	S 60 3' 0.269" E	
7-30	C	5202.0	7334694.272	1506467.997	N 60 3' 0.269" W	
7-31	E	5196.0	7334750.501	1506489.373	N 83 25' 33.511" W	
7-32	B	5196.0	7334743.311	1506510.265	S 3 46' 10.277" W	
7-33	E	5196.0	7334728.584	1506524.997	S 90 0' 0" E	
7-34	B	5198.5	7334710.396	1506517.292	N 71 27' 5.08" E	
7-35	C	5200.5	7334693.86	1506506.534	S 71 27' 5.08" W	
7-36	E	5197.0	7334704.789	1506540.129	N 71 27' 5.08" E	
7-37	B	5195.0	7334741.81	1506540.55	N 4 34' 27.334" E	
7-38	D	5193.0	7334734.198	1506563.586	S 84 56' 58.119" E	
7-39	A	5193.0	7334732.437	1506583.508	N 84 56' 58.119" W	
7-40	A	5190.5	7334727.186	1506609.866	S 76 17' 49.908" E	
7-41	C	5190.5	7334722.448	1506629.296	N 76 17' 49.908" W	

NOTES:

1. GRADE SITE ACCORDING TO SLOPES SHOWN.
2. SEE SHEET SP-02 FOR TYPICAL CONEX PAD GRADING REQUIREMENTS.
3. SEE SHEET DT-01 FOR CONEX CONTAINER LAYOUT DETAILS.
4. NUMBERS AND DOTS ON CONEX CORRESPOND TO SPECIFIC LAYOUT REQUIREMENTS FOUND ON DT-01.

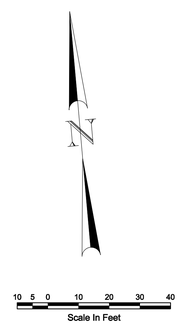


ORIENTATION DOT INDICATES SIDE "I"
ARROW INDICATES ORIENTATION DIRECTION

A PLACE CONEX CONTAINERS END TO END.

B REMOVE DOUBLE LOADING DOORS.

C MODIFY LOCATION OF DOOR OPENINGS TO MATCH .



State of Utah
Department of Administrative Services

Division of Facilities
Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267

Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

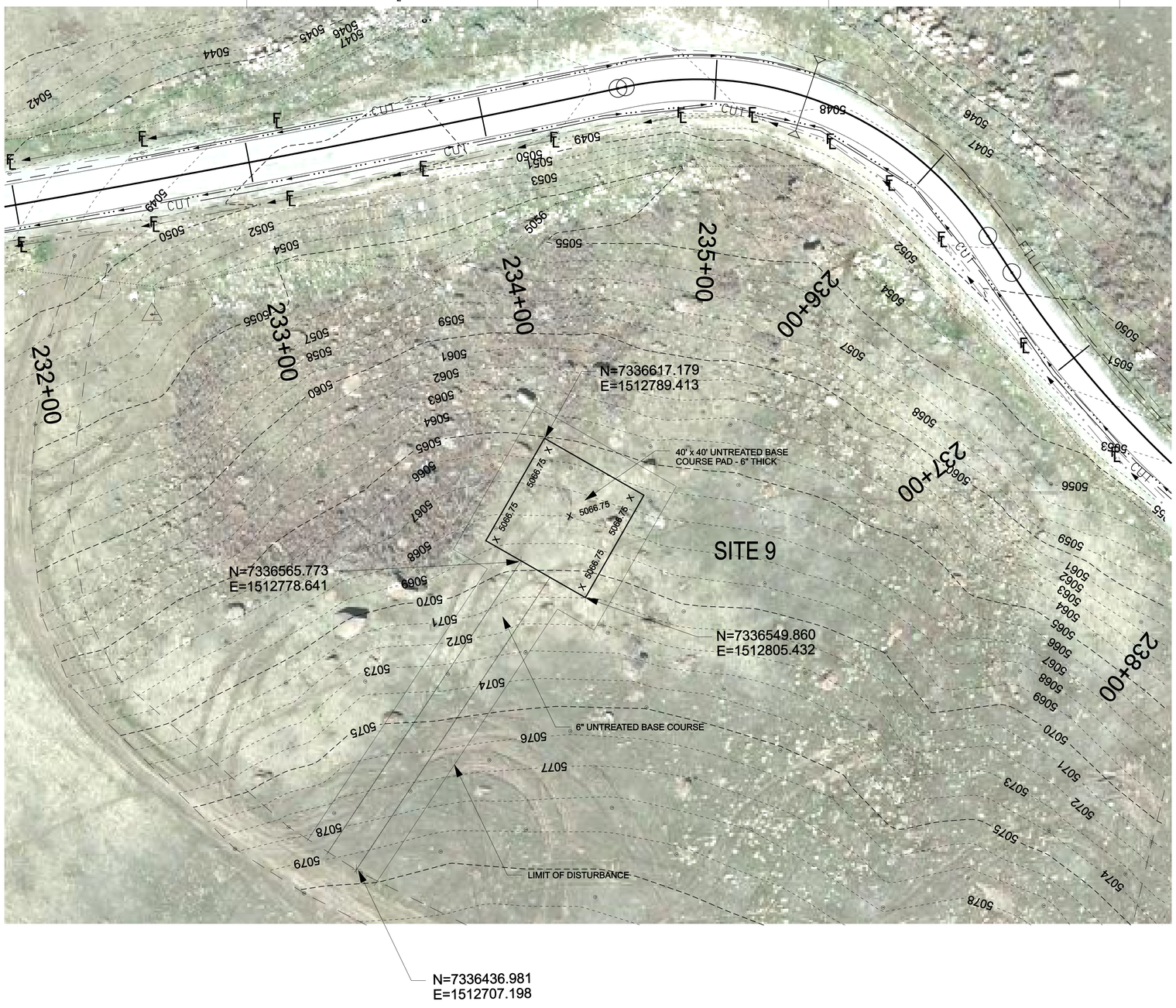
SHEET TITLE:

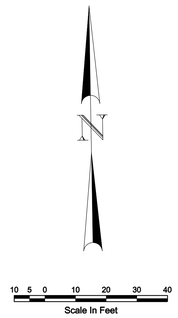
TRAINING SITE 7 - SITE PLAN

SHEET NUMBER:

SP-08

09-JUL-2010 DGN File Q:\22867\11-CADD\CIED Lane SP_08.dgn





NOTES:

1. CLEAN, GRUB, AND SCARIFY TO A DEPTH OF 12" TO LIMITS OF DISTURBANCE INDICATED. REMOVE ALL WOODY AND ORGANIC MATERIAL. REMOVE AND STOCKPILE TOPSOIL. GRADE AND RECOMPACT ROADWAY AND PAD AREA TO 90% PER ASTM-1557. PROOF ROLL PRIOR TO PLACEMENT OF SURFACING.
2. PROVIDE, PLACE AND COMPACT 6" UNTREATED BASE COURSE FOR ROADWAY AND PAD TO FINISH GRADE.
3. ALTERNATE 4: PROVIDE 6" THICK CONCRETE PAD (40' x 40") OVER ROADBASE (PROVIDE AS PART OF ALTERNATE 2). ADJUST FINISH GRADES TO + 6" AT PAD. PROVIDE CONTROL JOINTS AT 10" O.C. E.W. - BROOM FINISH TOP OF SLAB. PROVIDE TWO (2) BLEACHER UNITS SIMILAR AND EQUAL TO: HIGHLAND PRODUCTS 4 ROW x 15' LONG ALUMINUM BLEACHER. BLEACHERS SHALL BE 2006 IBC COMPLIANT, DESIGNED FOR A UNIFORM LIVE LOAD OF NOT LESS THAN 100 LB/LINEAL FOOT.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-08-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:

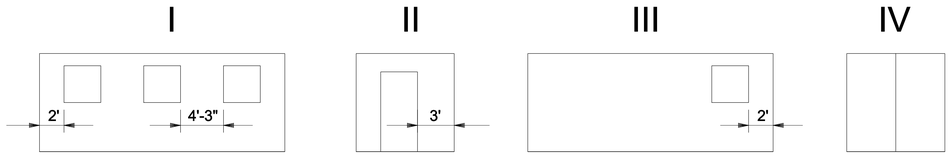
TRAINING SITE 8 - SITE PLAN

SHEET NUMBER:

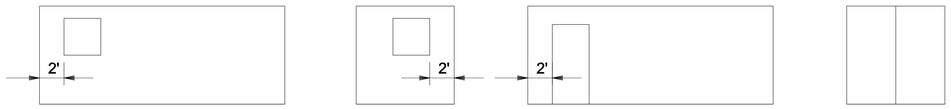
SP-09

09-JUL-2010 DGN File: Q:\22867\11-CADD\CIED Lane SP_09.dgn

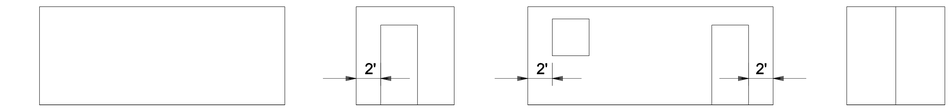
TYPE "A"



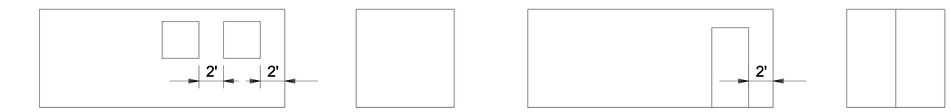
TYPE "B"



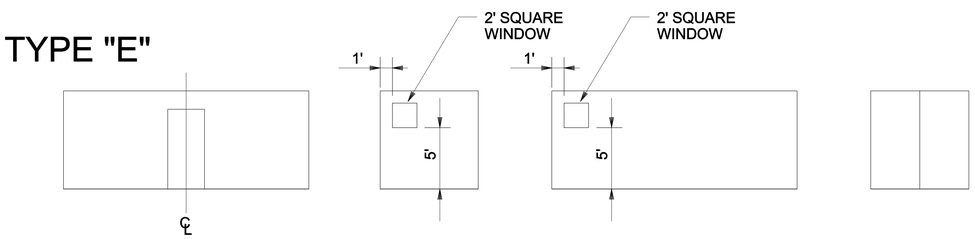
TYPE "C"



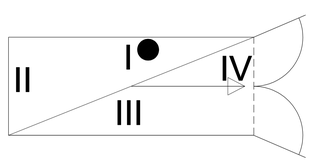
TYPE "D"



TYPE "E"



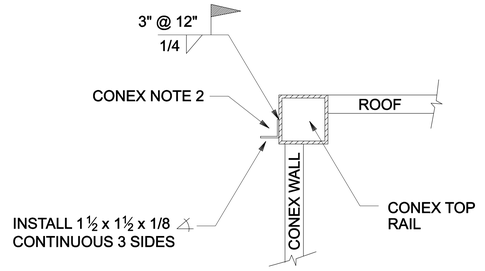
KEY (TOP VIEW)



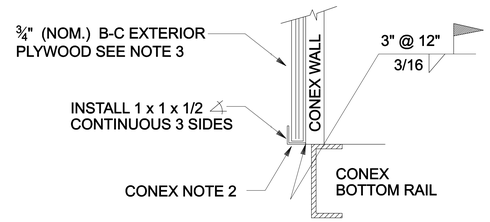
ORIENTATION DOT INDICATES SIDE "I"
ARROW INDICATES ORIENTATION DIRECTION

CONEX NOTES:

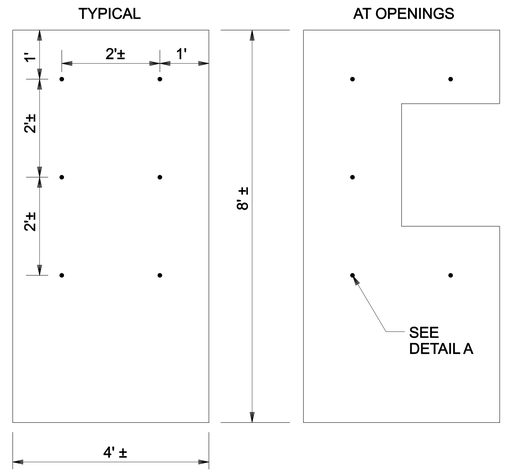
1. CONEX CONTAINERS TO BE PURCHASED BY OWNER. NOMINAL DIMENSIONS ARE 20' L x 8' W x 8' H.
2. CONTRACTOR TO CUT AND FRAME OPENINGS INDICATED - SEE DETAIL THIS SHEET.
3. UNLESS INDICATED OTHERWISE, FRAMED DOOR OPENING SHALL BE 36" WIDE x 78" HIGH. WINDOW OPENINGS SHALL BE LOCATED 48" ABOVE FLOOR AND SHALL BE 30" SQUARE.
4. CONTRACTOR TO TRANSPORT CONEX CONTAINERS FROM TEMPORARY STAGING SITE TO LOCATIONS INDICATED ON DRAWINGS. CONTRACTOR TO PREPARE CONEX PADS AT LOCATIONS INDICATED AND SET CONEX IN PLACE.
5. OPENING PATTERNS INDICATED MAY BE MODIFIED TO SUIT SPECIFIC CONDITIONS - REFER TO TRAINING SITE PLAN SHEETS FOR REQUIRED MODIFICATIONS.

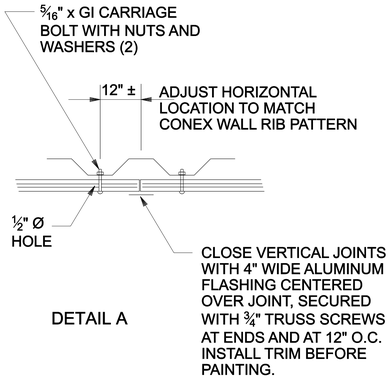


TOP SILL DETAIL



BOTTOM SILL DETAIL



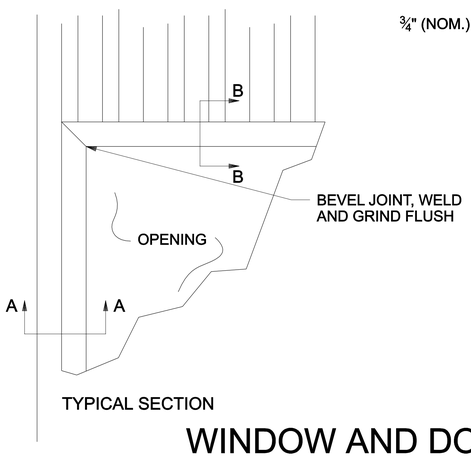


DETAIL A

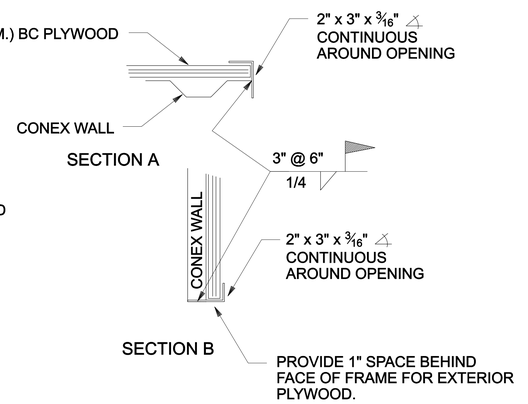
CONNECTION DETAIL - PLYWOOD PANELS

EXTERIOR FACING DETAIL NOTES:

1. PROVIDE ¾" (NOM.) EXTERIOR PLYWOOD OVER FULL SURFACE OF CONEX EXTERIOR WITH THE EXCEPTION OF THE DOOR AND WINDOW OPENINGS AND LOADING DOORS (FACES I, II, AND III). ATTACH PLYWOOD FINISHED SIDE OUT.
2. RIB PATTERN AND TOP SILL ATTACHMENT POINTS MAY VERY FROM THAT SHOWN. CONTRACTOR TO VERIFY CONNECTION DETAILS AND SUBMIT MODIFICATION FOR ENGINEER'S APPROVAL.
3. VERTICAL LOCATION OF TOP AND BOTTOM SILLS MAY VERY WITH CONTAINER TYPE. TRIM PLYWOOD TO LENGTH REQUIRED TO COVER WALL CORRUGATIONS.



TYPICAL SECTION



WINDOW AND DOOR FRAMING

WOOD FRAMING NOTES:

BOX OPENINGS WITH 3/16" THICK ANGLE - WIDTH WILL VARY WITH CONEX CONSTRUCTION, BUT SHOULD PROVIDE CLOSURE OF FULL DEPTH OF WALL CORRUGATION AND PROVIDE MINIMUM 2" FACE ON EXTERIOR SURFACE - FOR PURPOSE OF DETAILS, A 2" x 3" SECTION IS USED FOR CORRUGATION DEPTH UP TO 2", 2" x 3" x 3/16" MINIMUM REQUIRED.

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8886
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:

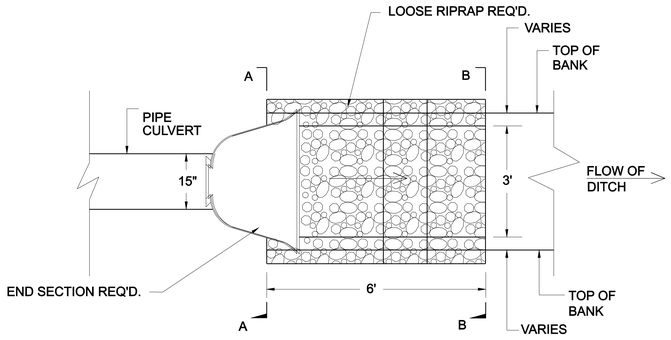
DETAIL SHEET

SHEET NUMBER:

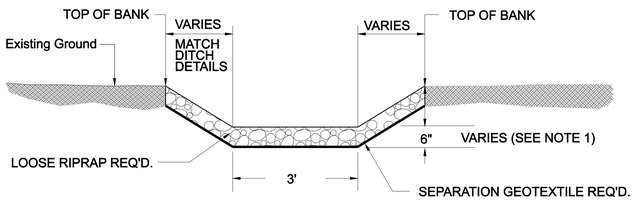
DT-01

03-JUL-2010 DGN File G:\22867\11-CADD\CIED Lane DT-01_conex details.dgn

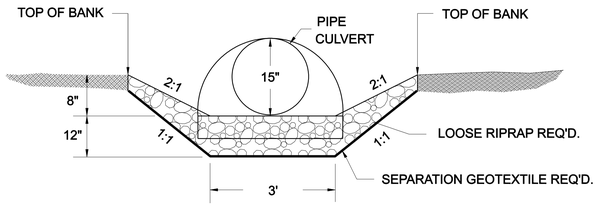
DITCH AND PIPE INLET/OUTLET RIPRAP DETAIL



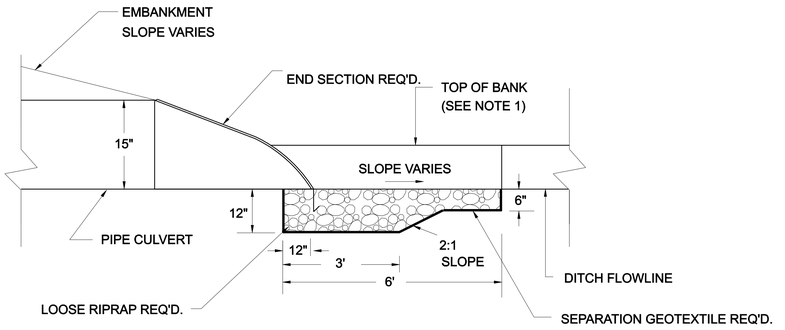
PLAN VIEW



SECTION B-B



SECTION A-A



ELEVATION VIEW

GENERAL NOTES

1. USE A LENGTH OF 20' TO TRANSITION BETWEEN DITCH SECTIONS AND PIPE INLET FLOW LINES.
2. FLEXIBLE DITCH LINING: USE NORTH AMERICAN GREEN, OR PROPEX OR EQUIVELANT.
3. LINING DEPTH IS MEASURED FROM DITCH FLOW LINE AND IS ON BOTH SIDES OF THE DITCH SIDE SLOPES.
4. LINING PERIMETER IS MEASURED ALONG DITCH CROSS SECTION TO COVER LINING DEPTH ON BOTH DITCH SIDE SLOPES.
5. IF USED ROLL WIDTH IS LESS THAN LINNIG PERIMETER, OVERLAP LINER PER MANUFACTURER SPECIFICATIONS.
6. FLEXIBLE DITCH LINER IS NOT REQUIRED IF SITE DITCH BED MATERIAL IS ROCKY. IN SUCH AREAS, LINER SHALL NOT BE REQUIRED WITH ENGINEER'S CONCURRENCE.
7. MATCH TOP OF RIPRAP WITH EXISTING GROUND.
8. RIPRAP IS FOR INLET AND OUTLET PROTECTION UNLESS OTHERWISE NOTED.
9. FIELD ADJUST PIPE LENGTH AND END SECTION AS NECESSARY TO TIE INTO SIDE SLOPE.
10. D_{50} = 8 INCHES

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

LICENSED PROFESSIONAL ENGINEER
JEFF S. MASTERS
No. 290659
STATE OF UTAH

UTAH NATIONAL GUARD
CAMP WILLIAMS IED DEFEAT LANE
DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:

NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:

NO.	DATE	DESCRIPTION

SHEET TITLE:
DITCH & PIPE INLET/OUTLET RIPRAP DETAIL

SHEET NUMBER:
DT-02

03-JUL-2010 DGN File:G:\22867\11-CADD\CIED Lane DT_02.dgn

SINGLE LINE / GROUNDING DIAGRAM

NOTES:
1. SIZE BREAKER ACCORDING TO MANUFACTURER'S UL LISTING REQUIREMENTS.
2. SIZE DISCONNECT FUSES TO MATCH GENERATOR BREAKER SIZE.
3. GENERATOR RATED 35 KW, 43.75 KVA FOR STAND-BY USE - 30 KW, 37.5 KVA FOR PRIME USE.
4. INSTALL GROUND RODS AS SHOWN. INSTALL ADDITIONAL GROUND RODS, IF NECESSARY, TO ATTAIN A RESISTANCE TO GROUND OF LESS THAN 2 OHMS.
5. SIZE CONDUIT AND CONDUCTORS PER THE APPLICABLE REQUIREMENTS FROM THE NEC.

LIGHTING PANEL A

VOLTAGE, PHASE &WIRE:	120 / 240	VAC	1P - 3W	MANUFACTURE:	TBD
BUS SIZE:	200	AMPS		LOCATION:	BUILDING WALL - EXTERIOR (PATIO)
MAIN SIZE:	200	AMPS		ENCLOSURE:	NEMA 3R
MAIN TYPE:	MCB			MOUNTING:	SURFACE
MAIN TYPE:	-			BUS BRACING:	22KAIC
				FED FROM:	35 KW GENERATOR

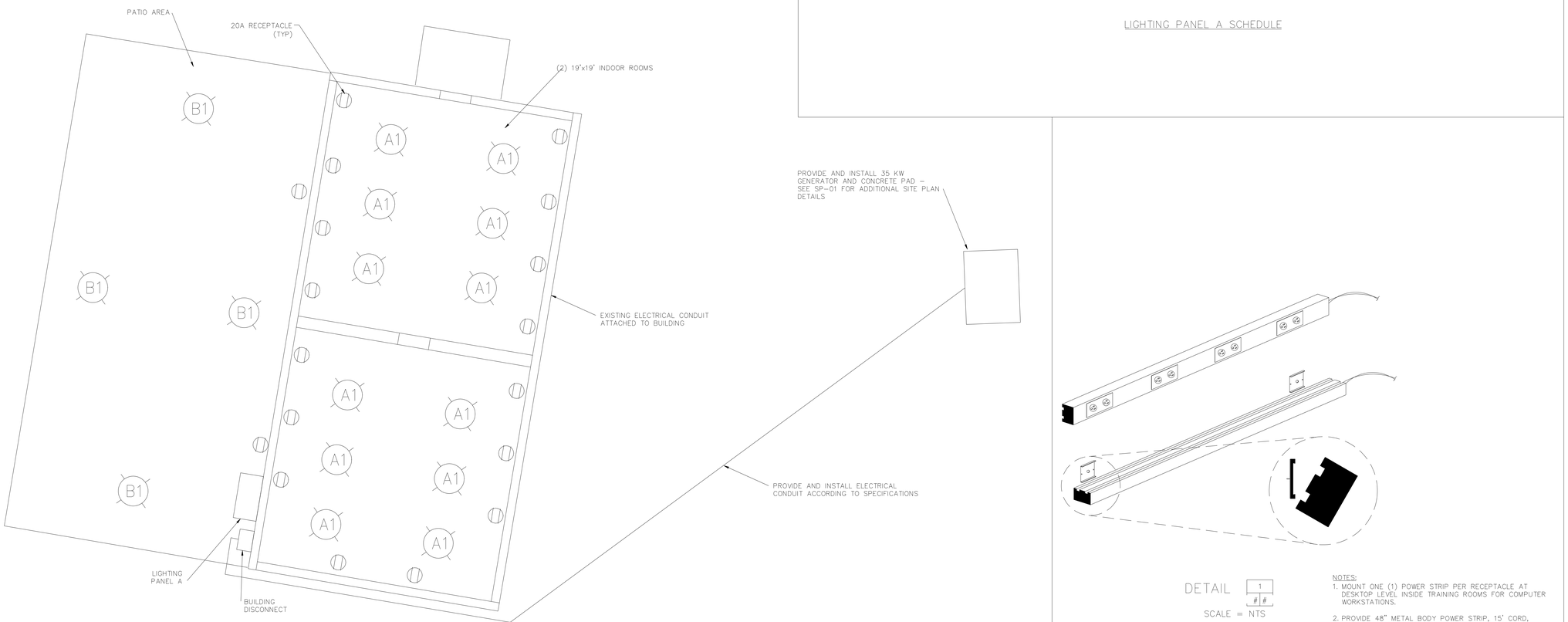
CKT NO.	LOAD DESCRIPTION	CKT. BKR. AMP	AMPS A	AMPS B	AMPS A	AMPS B	CKT. BKR. AMP	LOAD DESCRIPTION	CKT NO.
1	BUILDING LIGHTING (ROOM 1)	15	3.0	-	3.0	-	15	BUILDING LIGHTING (ROOM 2)	2
3	(2) 120VAC RECEPTACLES (PATIO)	15	-	6.0	-	4.0	15	OUTDOOR LIGHTING (PATIO 2)	4
5	120VAC RECEPTACLE (ROOM 1)	20	15.6	-	15.6	-	20	120VAC RECEPTACLE (ROOM 2)	6
7	120VAC RECEPTACLE (ROOM 1)	20	-	15.6	-	15.6	20	120VAC RECEPTACLE (ROOM 2)	8
9	120VAC RECEPTACLE (ROOM 1)	20	15.6	-	15.6	-	20	120VAC RECEPTACLE (ROOM 2)	10
11	120VAC RECEPTACLE (ROOM 1)	20	-	15.6		15.6	20	120VAC RECEPTACLE (ROOM 2)	12
13	120VAC RECEPTACLE (ROOM 1)	20	15.6	-	15.6	-	20	120VAC RECEPTACLE (ROOM 2)	14
15	120VAC RECEPTACLE (ROOM 1)	20	-	15.6	-	15.6	20	120VAC RECEPTACLE (ROOM 2)	16
17	120VAC RECEPTACLE (ROOM 1)	20	15.6	-	15.6	-	20	120VAC RECEPTACLE (ROOM 2)	18
19	120VAC RECEPTACLE (ROOM 1)	20	-	7.8	-	7.8	20	120VAC RECEPTACLE (ROOM 2)	20
21	SPARE	20	0.0	-	0.0	-	20	SPARE	22
23	SPARE	20	-	0.0	-	0.0	20	SPARE	24
25	SPACE							SPACE	26
27	SPACE							SPACE	28
29	SPACE							SPACE	30

NOTES:

KVA A PHASE = 15.7 AMPS A PHASE = 130.8
KVA B PHASE = 14.3 AMPS B PHASE = 119.2

TOTAL KVA = 30.0 (Load totals are calculated as continuous duty at 100%)

LIGHTING PANEL A SCHEDULE



LIGHTING FIXTURE SCHEDULE				
TYPE	LAMP	VOLTAGE	MOUNTING	DESCRIPTION
A1	(2) F32 CW, T12	120VAC	CEILING	INDUSTRIAL FLOURESCENT FIXTURE WITH IMPACT RESISTANT, REINFORCED POLYESTER FIBERGLASS HOUSING. CORROSION RESISTANT CAM ACTION LATCHES.
B1	100W HPS	120VAC	CEILING	INDUSTRIAL HID, UL LISTED WET LOCATIONS

TRAINING BUILDING LIGHTING AND RECEPTACLE PLAN

DETAIL 1 / # #

SCALE = NTS

NOTES:
1. MOUNT ONE (1) POWER STRIP PER RECEPTACLE AT DESKTOP LEVEL INSIDE TRAINING ROOMS FOR COMPUTER WORKSTATIONS.
2. PROVIDE 48" METAL BODY POWER STRIP, 15' CORD, INTEGRAL SURGE SUPPRESSION, EIGHT 20A OUTLETS.

POWER STRIP MOUNTING DETAIL

State of Utah
Department of Administrative Services
Division of Facilities Construction & Management
4110 State Office Building
Salt Lake City, Utah 84114
Phone: (801) 538 - 3018
Fax: (801) 538 - 3267
Internet: http://dfcm.utah.gov

Stanley Consultants INC.
5353 SOUTH 960 EAST
SUITE 220
SALT LAKE CITY, UTAH 84117
PHONE: (801) 293-8880
FAX: (801) 293-8866
www.stanleyconsultants.com

UTAH NATIONAL GUARD CAMP WILLIAMS IED DEFEAT LANE DFCM PROJECT NO. 10181480

UTAH NATIONAL GUARD - CAMP WILLIAMS
17800 SOUTH CAMP WILLIAMS RD
RIVERTON, UT 84065

ISSUED:		
NO.	DATE	DESCRIPTION
1	06-30-2010	REVIEW SET
2	07-09-2010	SUBMIT TO DFCM

REVISIONS:		
NO.	DATE	DESCRIPTION

SHEET TITLE:

ELECTRICAL DETAIL SHEET

SHEET NUMBER:

E-01