SITE DEVELOPMENT PLAN AND WSEO COMPLIANCE PLAN
PALMER SOLAR PROJECT AND WILLIAMS CREEK SUBSTATION
EL PASO COUNTY, CO
A TRACT LOCATED IN SECTIONS 21, 22, 26, 27, 28, 35, TOWNSHIP 16 SOUTH, ALL IN RANGE 65 WEST OF THE 6TH PRINCIPAL

STANDARD NOTES:

1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS. EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2 AND THE EL PASO ENGINEERING MANUAL
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION.
3. CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT (SWMP). THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES. INCLUDING THE FOLLOWING:
   a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM).
   b. CITY OF COLORADO SPRINGS/ EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
   c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
   d. COOT M& S STANDARDS
4. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROAD, STORM DRAINAGE, AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS FROM REGUALTIONS AND STANDARDS MSUT BE REQUESTED AND APPROVED IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPERS RESPONSIBILITY TO RECTIFY.
5. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPERS RESPONSIBILITY TO RECTIFY.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEET WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT (PCD)- INSPECTIONS PRIOR TO STARTING CONSTRUCTION.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP). REGINAL BUILDING FLOORPLAN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS- ISSUED 401 AND/ OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS
8. CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND DSD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
9. ALL STORM DRAIN PIPE SHALL BE CLASS III RECP UNLESS OTHERWISE NOTED AND APPROVED BY DSD.
10. CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAYMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY DSD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DPW AND MUTCO CRITERIA (IF APPLICABLE, ADDITIONAL SIGNING AND STRIPING NOTED WILL BE PROVIDED).
14. CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DPW, INCLUDING WORK WITH THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
15. THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

VICINITY MAP
1" =5000'
NORTH

CONTACTS:

OWNER 1:
PALMER SOLAR LLC
1710 29th STREET, SUITE 1068
BOULDER, CO 80301
TEL: (720) 245-2922
CONTACT: STUART COLES

OWNER 2:
COLORADO SPRINGS UTILITIES
121 SOUTH TEJON STREET, THIRD FLOOR
P.O. BOX 1103, MAIL CODE 930
COLORADO SPRINGS, CO 80910
TEL: (719) 520-3600

EL PASO COUNTY:
EL PASO COUNTY
PCD DEPARTMENT
2880 INTERNATIONAL CIRCLE, SUITE 110
COLORADO SPRINGS, CO 80910
PHONE: (719) 520-3600

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 300
COLORADO SPRINGS, CO 80903
TEL: (719) 453-0182
CONTACT: ERIC GUNDERSON, P.E.

SURVEYOR:
CLARK LAND SURVEYING, INC.
177 S. TIFFANY DRIVE, UNIT 1
PUEBLO WEST, CO 81007
TEL: (719) 582-1270
CONTACT: NATHANIEL MAESTAS, PLS

INDEX OF SHEETS

SHEET NO.	SHEET TITLE
1	COVER SHEET
2	SITE LAYOUT WEST-BIRDSALL ROAD SITE
3	SITE LAYOUT EAST- SQUIRREL CREEK SITE
4 - 21	DETAILED SITE PLAN
22	PUBLIC ROW IMPROVEMENTS
23	SITE DETAILS
24 - 27	PROJECT ELEVATIONS

ENGINEER'S SIGNATURE BLOCK

THESE DETAILED PLANS AND SPEFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH THE APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THE DETAILED PLANS AND SPECIFICATIONS.

COLORADO REGISTERED ERIC JON GUNDERSON 49487 PROFESSIONAL ENGINEER

04/03/19
ERIC GUNDERSON, PE - KIMLEY-HORN AND ASSOCIATES, INC. DATE

OWNER'S SIGNATURE BLOCK

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

Mark D. Harris 04/05/19
NAME DATE

EL PASO COUNTY REVIEW STATEMENT
(FOR PUBLIC IMPROVEMENTS ON SHEET 22)

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN DIMENSIONS AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

NAME DATE

PALMER SOLAR
COVER SHEET

EL PASO COUNTY, CO

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED ERIC JON GUNDERSON 49487 04/03/19 PROFESSIONAL ENGINEER

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): N/A
SCALE (V): N/A
DATE: MARCH 8, 2018
SHEET NO. 1
PROJECT NO. 096495003
DWG. NAME 096495003_CV-SDP

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

811 Know what's below. Call before you dig.

K:\COS_Civil\096495003_Palmer Solar\CADD\Sheets\096495003_CV-SDP.dwg Apr 03, 2019 kevin.kofford
XREFS: el paso street map x096495003b_cd-csu x096495003xf x096495003xf x096495003b_cd-sdp SCADA Enclosure Layouts Power Station
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KEY MAP
NOT TO SCALE

LEGEND

- WSEO OVERLAY BOUNDARY
- WSEO 25' SETBACK
- PROPERTY LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- EXISTING OVERHEAD ELECTRIC LINE
- PROPOSED OVERHEAD ELECTRIC LINE
- EXISTING ROAD
- PROPOSED GRAVEL ROAD
- CONSTRUCTION STAGING AREA

GRAPHIC SCALE IN FEET
0 200 400 800

NORTH

PALMER SOLAR
SITE LAYOUT WEST-BIRDSALL ROAD SITE
EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED ERIC JON GUSTAFSON 49487 04/03/19 PROFESSIONAL ENGINEER

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1" =400'
SCALE (V): N/A
DATE: MARCH 8, 2018
SHEET NO. 2
PROJECT NO. 096495003
DWG. NAME 096495003_SP_Overall-SDP

811 Know what's below. Call before you dig.

K:\COS_Civil\096495003_Palmer Solar\CADD\Sheets\096495003_SP_Overall-SDP.dwg Apr 03, 2019 kevin.kofford
XREFS: x096495003st x096495003xt x096495003vt x096495003tb_cd x096495003tb_cd x096495003tb_cd-sdp SCADA Enclosure Layouts Power Station
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PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

SQUIRREL CREEK ROAD
(PUBLIC)

PROPERTY LINE

CITY OF COLORADO SPRINGS
SCHEDULE NUMBER 5600000123
UNPLATTED
ZONING: RR-5

WOODMOOR WATER AND SANITATION DISTRICT
SCHEDULE NUMBER: 5600000137
UNPLATTED

MET STATION #2

PROPOSED PALMER SOLAR SUBSTATION
ADDRESSES:
1. 10240 IRRADIANCE DRIVE (METER WEST)
56263-MAP, N-23, 80817
2. 10248 IRRADIANCE DRIVE (METER EAST)
56263-MAP, N-23, 80817
SUBSTATION ADDRESSES
POSED ON ONE (1) SIGN

EXISTING WATERCOURSE

EASTERN SITE ACCESS-POST
ALL 4 PERMANENT
ADDRESSES ON ONE (1) SIGN

UNNAMED ROAD
(PRIVATE)

PALMER SOLAR
COLLECTOR
SUBSTATION POINT
OF INTERCONNECTION

PROPOSED
CONSTRUCTION
STAGING AREA

SUBSTATION DRIVE

PROPOSED 34.5 KV
DISTRIBUTION LINE BETWEEN
BIRDSALL ROAD SITE AND
PALMER SOLAR SUBSTATION
(UNDERGROUND)

TRAILERS ADDRESS (TEMP.):
14123 RENEWABLE LOOP
56263-MAP, N-23, 80817
POST TEMP. SIGN DURING
CONSTRUCTION

PROPOSED WILLIAMS CREEK
SUBSTATION (CSU)

300.0'
UTILITY
EASEMENT

WILLIAMS CREEK GATE:
13540 SUBSTATION DRIVE
56261-MAP, N-23, 80817
POST SIGN WITH ADDRESS AT GATE ENTRANCE

IRRADIANCE DRIVE

O&M SHED(24'X40'):
14130 RENEWABLE LOOP
56263-MAP, N-23, 80817
POST ADDRESS ON SHED GATE

PROPOSED UNDERGROUND ALIGNMENT OF
EXISTING MVEA OVERHEAD LINE

25' WIDE ALTERNATIVE SITING FOR
POTENTIAL SOUTH POWERS BLVD
ROUTE/KANE RANCH REGIONAL TRAIL
SUBJECT TO AGREEMENT BETWEEN
LANDOWNER AND EL PASO COUNTY

RENEWABLE LOOP

PROPOSED FENCE
(TYP.)

EXISTING MVEA OVERHEAD
ELECTRIC LINE TO BE
RELOCATED BY OTHERS

PROPOSED
TRAPEZOIDAL
CHANNEL

WSEO BOUNDARY

EXISTING
MAINTENANCE ROAD
TO BE REMOVED

25' WSEO
SETBACK

NO ACCESS BETWEEN BIRDSALL
ROAD SITE AND SQUIRREL CREEK
SITE

TRACKER ARRAY
PANELS (TYP.)

PROPOSED SITE
ACCESS ROAD (TYP.)

PROPOSED
CONSTRUCTION
STAGING AREA

EXISTING OVERHEAD
POWER LINES (TYP.)

CITY OF COLORADO SPRINGS
SCHEDULE NUMBER: 5600000123
UNPLATTED
ZONING: RR-5

MATCHLINE- SEE SHEET 104

EXISTING FENCE (TYP.)

SQUIRREL
CREEK SITE

THE LOCATION AND SHAPE OF THE PANEL ARRAY ON THE
SQUIRREL CREEK SITE WERE OPTIMIZED FOR CONSTRUCTION
OF CIVIL FEATURES AND TO FIT THE SHAPE OF THE WSEO
BOUNDARY. RECONFIGURATION REDUCED THE NUMBER OF
ROWS ON THE SQUIRREL CREEK SITE BY 150.
CONFIGURATION COMPLIES WITH ZONING AND 1041.

WSEO BOUNDARY

25' WSEO SETBACK

EXISTING WATERCOURSE

225.0'
ELECTRIC
EASEMENT

TRACKER ARRAY
PANELS (TYP.)

WOODMOOR WATER AND SANITATION
DISTRICT
SCHEDULE NUMBER: 5600000137
UNPLATTED

100.0'
ELECTRIC
EASEMENT

PROPERTY LINE

PROPOSED
CONSTRUCTION
STAGING AREA

KEY MAP
NOT TO SCALE

LEGEND

- WSEO OVERLAY BOUNDARY
- WSEO 25' SETBACK
- PROPERTY LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- EXISTING OVERHEAD ELECTRIC LINE
- PROPOSED OVERHEAD ELECTRIC LINE
- EXISTING ROAD
- PROPOSED GRAVEL ROAD
- CONSTRUCTION STAGING AREA

GRAPHIC SCALE IN FEET
0 200 400 800

NORTH

PALMER SOLAR
SITE LAYOUT EAST-SQUIRREL CREEK SITE
EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED
ERIC J. GUSTAFSON
49487
04/03/19
PROFESSIONAL ENGINEER

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1" =400'
SCALE (V): N/A

DATE: MARCH 8, 2018

SHEET NO. 3

PROJECT NO. 096495003

DWG. NAME 096495003_SP_Overall-SDP

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

Know what's below.
Call before you dig.

K:\COS_Civil\096495003_Palmer Solar\CADD\Sheets\096495003_SP_Overall-SDP.dwg Apr 03, 2019 kevin.kofford
XREFS: x096495003xt x096495003at x096495003xl x096495003xb_xr x096495003xb_cd-sdp SCADA Enclosure Layouts Power Station
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MATCHLINE- SEE SHEET 5

KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
1	CONSTRUCT PRIVATE ACCESS ROAD PER TYPICAL SECTION ON SHEET 23. (SECTION TYPE AND WIDTH PER PLAN)
2	INSTALL 8' PERIMETER CHAINLINK FENCE PER DETAIL ON SHEET 23.
3	INSTALL SWING GATE PER DETAIL ON SHEET 23.
4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
EJG
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 4

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

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KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

ITEM	
1	CONSTRUCT PRIVATE ACCESS ROAD PER TYPICAL SECTION ON SHEET 23. (SECTION TYPE AND WIDTH PER PLAN)
2	INSTALL 8' PERIMETER CHAINLINK FENCE PER DETAIL ON SHEET 23.
3	INSTALL SWING GATE PER DETAIL ON SHEET 23.
4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
EDWARD JOHN GUIDRY
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 5

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

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XREFS: x096495003ov1 x096495003ut x096495003ut1 x096495003v1 x096495003b_cd=gec cc404_wseo_overlay_boundary_v1_190712 x096495003b_cd1 x096495003b_cd=sdp SCADA Enclosure Layouts Power Station
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KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

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4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
ERIC J. GUSTAFSON
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
SHEET NO. 6
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

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K:\COS_Civil\096495003_Palmer Solar\CADD\Sheets\096495003_SP-SDP.dwg Apr 03, 2019 kevin.kofford
XREFS: x096495003xf x096495003xt x096495003xb_cd-gec cx404_wseo_overlay_boundary_190712 x096495003b_cd x096495003b_rcd-sdp SCADA Enclosure Layouts Power Station
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MATCHLINE- SEE SHEET 5

EXISTING ACCESS ROAD

EXISTING ACCESS ROAD

WSEO BOUNDARY

25' WSEO SETBACK

N: 1293318.91
E: 3240080.03

N: 1293318.91
E: 3239230.03

AL-3

N90°00'00"E
546.66'

SECTION_1
20' WIDE

25.00'
20.00'
51.41'

R: 40'

233.73'
N90°00'00"W

42.30'

42.08'

19.19'
20.00'

WOODMOOR WATER AND SANITATION DISTRICT
SCHEDULE NUMBER 5600000122
UNPLATTED

MATCHLINE- SEE SHEET 6

N: 1292654.41
E: 3240081.82

N0°00'17"W
1843.39'

WSEO BOUNDARY

25' WSEO SETBACK

N: 1292586.99
E: 3240120.47

AL-4

PROPOSED POWER
STATION 3MW (TYP.)

STA: 420+89.33
N: 1292401.4573
E: 3240075.1471

STA: 420+44.22
N: 1292356.3389
E: 3240075.1471

N: 1292323.33
E: 3240177.80

N: 1292323.33
E: 3240374.34

SECTION_1
20' WIDE

38.16'

N: 1292107.13
E: 3240374.34

N: 1292107.13
E: 3240847.14

44.48'

25.07'

30.81'

19.19'
20.00'
50.81'

MATCHLINE- SEE SHEET 8

MATCHLINE- SEE SHEET 9

KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
1	CONSTRUCT PRIVATE ACCESS ROAD PER TYPICAL SECTION ON SHEET 23. (SECTION TYPE AND WIDTH PER PLAN)
2	INSTALL 8' PERIMETER CHAINLINK FENCE PER DETAIL ON SHEET 23.
3	INSTALL SWING GATE PER DETAIL ON SHEET 23.
4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
ERIC JON GUSTAFSON
39487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A

DATE: MARCH 8, 2018

PROJECT NO. 096495003

DWG. NAME 096495003_SP-SDP

SHEET NO. 7

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PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
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3	INSTALL SWING GATE PER DETAIL ON SHEET 23.
4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
SHEET NO. 8
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP

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KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
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5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
EVAN G. JOHNSON
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 9

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

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KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
1	CONSTRUCT PRIVATE ACCESS ROAD PER TYPICAL SECTION ON SHEET 23. (SECTION TYPE AND WIDTH PER PLAN)
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4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
ERIC JON GUSTAFSON
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 10

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PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
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3	INSTALL SWING GATE PER DETAIL ON SHEET 23.
4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER 49487 04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
SHEET NO. 11
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP

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KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

ITEM	
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4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A

DATE: MARCH 8, 2018

SHEET NO. 12

PROJECT NO. 096495003

DWG. NAME 096495003_SP-SDP

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

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KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

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4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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COLORADO REGISTERED PROFESSIONAL ENGINEER
EVAN CONDRY
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 13

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4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

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LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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COLORADO REGISTERED PROFESSIONAL ENGINEER
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 14

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

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XREFS: x096495003xt x096495003xl x096495003xw x096495003b_cd-gec cd-04_wseo_overlay_boundary_180712 x096495003b_cd x096495003b_cd-sdp SCADA Enclosure Layouts Power Station
IMAGES: x096495003r x096495003b_wsio_ortho_2016 x096495003b_wsio_ortho_2016_1 x096495003b_wsio_ortho_2016_2 x096495003b_wsio_ortho_2016_3 x096495003b_wsio_ortho_2016_4
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KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
1	CONSTRUCT PRIVATE ACCESS ROAD PER TYPICAL SECTION ON SHEET 23. (SECTION TYPE AND WIDTH PER PLAN)
2	INSTALL 8' PERIMETER CHAINLINK FENCE PER DETAIL ON SHEET 23.
3	INSTALL SWING GATE PER DETAIL ON SHEET 23.
4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
JEFFREY GONDEK
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 15

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XREFS: x096495003xf x096495003xt x096495003xr x096495003xb_cd-spec cs404_wseo_overlay_boundary_190712 x096495003b_cd x096495003b_cd x096495003b_cd-sdp SCADA Enclosure Layouts Power Station
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KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
1	CONSTRUCT PRIVATE ACCESS ROAD PER TYPICAL SECTION ON SHEET 23. (SECTION TYPE AND WIDTH PER PLAN)
2	INSTALL 8' PERIMETER CHAINLINK FENCE PER DETAIL ON SHEET 23.
3	INSTALL SWING GATE PER DETAIL ON SHEET 23.
4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 09649500 3_SP-SDP
SHEET NO. 16

811 Know what's below. Call before you dig.

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XREFS: x096495003xr x096495003xt x096495003xb_cd-gec cx404_wseo_overlay_boundary_190712 x096495003b_cd x096495003b_cd-sdp SCADA Enclosure Layouts Power Station
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MATCHLINE- SEE SHEET 15

KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
1	CONSTRUCT PRIVATE ACCESS ROAD PER TYPICAL SECTION ON SHEET 23. (SECTION TYPE AND WIDTH PER PLAN)
2	INSTALL 8' PERIMETER CHAINLINK FENCE PER DETAIL ON SHEET 23.
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4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
EJUAN GUTIERREZ JR.
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 17

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XREFS: x096495003xt x096495003xt x096495003xb x096495003xb_cd=gec c=404_wseo_overlay_boundary_v_190712 x096495003b_cd x096495003b_cd=sdp SCADA Enclosure Layouts Power Station
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KEY MAP
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CONSTRUCTION KEY NOTES:

	ITEM
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6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
ERIC JON GUNDERSON
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 18

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KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
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NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
CLAYTON CONDRAY
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 19

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PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
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3	INSTALL SWING GATE PER DETAIL ON SHEET 23.
4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
ERIC JON GUNDERSON
39487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 20

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XREFS: x096495003xt x096495003xf x096495003b_cd-geo_co404_wseo_overlay_boundary_180712 x096495003b_cd x096495003b_cd-sdp SCADA Enclosure Layouts Power Station
WELLCOVER_SDP_2018-09-06 x096495003b_cd-sdp-sdp x096495003b_cd-sdp-sdp-sdp x096495003b_cd-sdp-sdp-sdp x096495003b_cd-sdp-sdp-sdp x096495003b_cd-sdp-sdp-sdp
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OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC.

KEY MAP
NOT TO SCALE

CONSTRUCTION KEY NOTES:

	ITEM
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4	INSTALL POWER STATION PAD PER DETAIL ON SHEET 23.
5	CONSTRUCT STAGING AREA PER DETAIL ON SHEET 23.
6	CONVEYANCE DITCH
7	ROADSIDE SWALE PER DETAIL ON SHEET 23

NOTES:

1. ALL DIMENSIONS PROVIDED ON THE SITE PLAN ARE TO THE EDGE OF PROPERTY LINE, ACCESS ROAD, EDGE OF SOLAR STRUCTURE, EDGE OF POWER STATION PAD, OR PERIMETER FENCE LINE.

LEGEND:

- WSEO BOUNDARY
- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED ROADSIDE SWALE
- PROPOSED CONVEYANCE DITCH
- EXISTING OHE LINE
- PROPOSED OHE LINE
- STANDARD DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- HEAVY DUTY ROADWAY SECTION PER DETAIL ON SHEET 124
- EXISTING MAINTENANCE ROAD TO BE REMOVED
- CONSTRUCTION STAGING AREA
- CONCRETE LOWERING ROAD SECTION PER DETAIL ON SHEET 124

GRAPHIC SCALE IN FEET
0 40 80 160

NORTH

PALMER SOLAR
DETAILED SITE PLAN

EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER
ERIC JON GUNDERSON
49487
04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SP-SDP
SHEET NO. 21

Know what's below. Call before you dig.

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WSEO BOUNDARY SURVEY PROVIDED BY: WILD WEST GEOMATICS, INC. SITE PLAN PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC.
USE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

KEY MAP
NOT TO SCALE

LEGEND:

- 25' WSEO SETBACK
- PARCEL LINE
- EXISTING EASEMENT
- PROPOSED ROADSIDE SWALE
- EXISTING OHE LINE
- PROPOSED OHE LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED HEAVY DUTY ROADWAY SECTION PER DETAIL THIS SHEET
- EXISTING ASPHALT PAVEMENT

ABBREVIATIONS:

CL: CENTERLINE ELEVATION
FG: FINISHED GRADE
HP: HIGH POINT
LP: LOW POINT
PAD: TRANSFORMER PAD ELEVATION
PC: POINT OF CURVATURE
PT: POINT OF TANGENCY
ME: MATCH EXISTING

1. D50 = MEAN PARTICLE SIZE (INTERMEDIATE DIMENSION) BY WEIGHT.
2. RIP RAP SHALL BE PER PLAN AND SHALL BE MIXED WITH 30% SOIL TO 70% RIP RAP.
3. RIP RAP SECTION THICKNESS SHALL BE 1.75 TIMES THE SPECIFIED MEAN PARTICLE SIZE (I.E. D50 X 1.75 MINIMUM) PER URBAN DRAINAGE FLOOD CONTROL DISTRICT.
4. ALL RIP RAP SHALL BE UNDERLAIN WITH GEOTEXTILE FILTER FABRIC FOR STABILIZATION.
5. RIP RAP SHALL WRAP AROUND AND EXTEND 2' MIN. BEHIND FLUME AND FLARED END SECTIONS.

TYPICAL RIPRAP SECTION DETAIL

ROADWAY TYPICAL SECTION
(NORTH-SOUTH)

TYPICAL CULVERT LAYOUT DETAIL
SCALE: 1"= 5'

PROPOSED HEAVY DUTY ROADWAY SECTION

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

PALMER SOLAR
PUBLIC ROW IMPROVEMENTS
EL PASO COUNTY, CO

Kimley»Horn

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2 N. NEVADA AVENUE, SUITE 300
COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER JON GUNDERSON 49487 04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): 1"= 80'
SCALE (V): N/A
DATE: MARCH 8, 2018
SHEET NO. 22
PROJECT NO. 096495003
DWG. NAME 096495003_GD-ROW-SDP

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

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HEAVY DUTY ROADWAY SECTION

STANDARD DUTY ROADWAY SECTION

STAGING AREAS

CONCRETE LOWERING ROADWAY SECTION

SECTION-1
STANDARD ROADWAY TYPICAL SECTION

SECTION-2
CONSTRAINED ROADWAY TYPICAL SECTION

SECTION-3
CROSS SLOPE ROADWAY TYPICAL SECTION

POWER STATION PAD TYPICAL DETAIL

CHAIN-LINK FENCE AND GATE DETAIL

PALMER SOLAR
SITE DETAILS

EL PASO COUNTY, CO

Kimley»Horn

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COLORADO SPRINGS, CO 80903 (719) 453-0180

COLORADO REGISTERED PROFESSIONAL ENGINEER ERIC JON GUNDERSON 39487 04/03/19

DESIGNED	DRAWN	CHECKED
EJG	KRK	EJG

SCALE (H): N/A
SCALE (V): N/A
DATE: MARCH 8, 2018
PROJECT NO. 096495003
DWG. NAME 096495003_SPDT-SDP
SHEET NO. 23

PCD FILE #PPR-19-006/PCD EA NUMBER 17-46

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XREFS: x096495003xr x096495003b x096495003tb_xd-sdp SCADA Enclosure Layout Power Station
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