



LARGE CONSTRUCTION GENERAL PERMIT FOR LAND DISTURBING ACTIVITIES OF FIVE (5) OR MORE ACRES

RE-COVERAGE FORM

FOR COVERAGE UNDER MISSISSIPPI'S REISSUED
LARGE CONSTRUCTION STORM WATER GENERAL PERMIT MSR10
GENERAL NPDES COVERAGE NO. MSR10 7 0 6 5

INSTRUCTIONS

The submittal of this form is required to receive coverage under the reissued Large Construction General Permit. This form must be completed and returned to the address printed at the bottom of the back page of this form within 30 days of the date of the Letter of Instruction for Re-Coverage.

The signatory of this form must be the owner or operator (prime contractor) who is the current coverage recipient (rather than the project manager or environmental consultant).

If the company seeking coverage is a corporation, a limited liability company, a partnership, or a business trust, attach proof of its registration with the Mississippi Secretary of State and/or its Certificate of Good Standing. This registration or Certificate of Good Standing must be dated within twelve (12) months of the date of the submittal of this coverage form. Coverage will be issued in the company name as it is registered with the Mississippi Secretary of State.

Amendments to the Storm Water Pollution Prevention Plan (SWPPP) are required to be attached if the plan is not current or is ineffective in controlling storm water pollutants. SWPPP amendments with the sole intent of incorporating new permit conditions do not need to be submitted to MDEQ for review and/or approval.

If the project is complete and final stabilization has been achieved, please request termination of coverage by completing the Request for Termination (RFT) Form found in the Large Construction Forms Package. Projects that continue to discharge storm water associated with construction activity without applicable permit coverage are in violation of state law.

Do not submit this form if submitting a Request for Termination (RFT) Form.

ALL INFORMATION REQUESTS MUST BE ANSWERED (Answer "NA" if not applicable)

COVERAGE RECIPIENT INFORMATION

CONTACT NAME & POSITION: Jason Dunaway, Construction Manager

COMPANY LEGAL NAME: DEPCOM Power Inc.

STREET OR P.O. BOX: 6424 Branch Rd.

CITY: Smithdale STATE: MS ZIP: 39664

PHONE NUMBER: (601) 248-6188 E-MAIL: jdunaway@depcompower.com

FACILITY SITE INFORMATION

FACILITY SITE NAME: MS Solar 2 or Sumrall 1 Solar Farm or MS74

CONTACT NAME & POSITION: Jason Dunaway

CONTACT PHONE NUMBER: (601) 248 - 6188

FACILITY PHYSICAL SITE ADDRESS (IF NOT AVAILABLE INDICATE NEAREST NAMED ROAD):

STREET: 1673 HWY 42

CITY: Sumrall COUNTY: Lamar ZIP: 39482

PROVIDE THE COORDINATES OF THE PROJECT ENTRANCE OR START POINT:

LATITUDE: 31 degrees 25 minutes 9.4 seconds LONGITUDE: 89 degrees 30 minutes 7.3 seconds

LAT & LONG DATA SOURCE (GPS (Please GPS Project Entrance/Start Point) or Map Interpolation): GPS (Google Maps)

TOTAL ACREAGE DISTURBED: ~392 ESTIMATED CONSTRUCTION PROJECT END DATE: 2017-06-01
YYYY-MM-DD

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

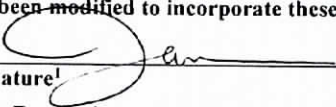
THE GENERAL PERMIT REQUIRES THE SWPPP TO BE ONSITE, UP-TO-DATE AND EFFECTIVE IN CONTROLLING STORM WATER POLLUTANTS. ACCORDINGLY, THE FOLLOWING QUESTIONS MUST BE ANSWERED YES or N.A. TO RECEIVE RECOVERY.

- | | | |
|---|---|-----------------------------|
| 1. IS A COPY OF THE SWPPP AT THE PERMITTED SITE OR LOCALLY AVAILABLE? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| 2. DOES SWPPP CONTAIN AN UP-TO-DATE ASSESSMENT OF POTENTIAL STORM WATER POLLUTANT SOURCES AND IDENTIFY BMPs TO EFFECTIVELY CONTROL THEM? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| 3. IF A SEDIMENT BASIN IS A PROJECT BMP, IS IT EQUIPPED WITH AN OUTLET STRUCTURE THAT DISCHARGES <u>ONLY</u> FROM THE SURFACE OF THE BASIN (ACT5, T-6 (A))? | <input checked="" type="checkbox"/> YES or N.A. | <input type="checkbox"/> NO |
| 4. DOES SWPPP PROHIBIT THE DISCHARGES LISTED IN ACT2, T-3 (3) OF THE PERMIT? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| 5. DOES THE SWPPP REQUIRE VEGETATIVE PRACTICES TO BE INITIATED IMMEDIATELY WHEN A DISTURBED AREA WILL BE LEFT FOR 14 DAYS (ACT5, T-4 (1)) , INSTEAD OF 7 DAYS AS REQUIRED BY THE PREVIOUS PERMIT? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

I further certify that the project continues as described in the original notice of intent. Also, I certify that I understand when coverage is terminated I am no longer authorized to discharge storm water associated with construction activity under this general permit. I understand that discharging pollutants associated with construction activity to waters of the State without proper permit coverage is in violation of state law.

I am aware of the significant changes in the renewed Large Construction Storm Water General Permit and certify the SWPPP for this project has been ~~modified~~ to incorporate these changes.


Signature¹ _____
Byron Lamon
Printed Name¹ _____

3/23/17
Date Signed _____
Authorized Signatory for DEPCOM Power
Title _____

¹This application for re-coverage shall be signed according to ACT11, T-7 of the General Permit, as follows:

- For a corporation, by a responsible corporate officer.
- For a partnership, by a general partner.
- For a sole proprietorship, by the proprietor.
- For a municipal, state or other public facility, by principal executive officer, mayor, or ranking elected official.

After signing please mail to:

Chief, Environmental Permits Division,
MS Department of Environmental Quality, Office of Pollution Control
P.O. Box 2261
Jackson, Mississippi 39225

Revised: 12/06/16



DEPCOM POWER HEADQUARTERS:
9200 E. Pima Center Parkway, Suite 180
Scottsdale, AZ 85258
(480) 270-6910

EAST COAST OFFICE:
1430 Rt 206, Suite 250
Bedminster, NJ 07921
(908) 748-4445

To whom it may concern,

As requested per the requirements for the re-coverage application, please see attached updated Grading Plans for the Sumrall I Solar Farm Project. These plans follow very closely the original plans that MDEQ has on file and are effective. Updates were minimal but were made for the following reasons:

- Balance the earthwork to localized areas.
- Minimize overall disturbance.

Additionally, three (3) basins were removed (SK-1, SK-4 & SK-21) because the drainage area serving them was less than five (5) acres. SWPPP BMPs (except for the basins) are not shown in the attached but still follow the original Grading Plans that MDEQ has on file.

Best Regards,

Nick LaGrou

A handwritten signature in black ink, appearing to read 'Nick LaGrou', written over the printed name.

Project Engineer

1430 Route 206 – Suite 250

Bedminster, NJ 07921

Mobile – (732) 947-6268

RECEIVED
MAR 28 2017
Dept. of Environmental Quality

Important Revisions to the Large Construction General Permit

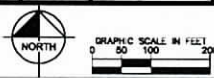
- ACT2, Condition T-3(3)(F) -- Dewatering activities including discharges from dewatering of trenches and excavations (unless managed by BMPs) is now a prohibited non-storm water discharge per 40 CFR 450.21(c).
- ACT2, Condition T-3(4) -- If, after coverage issuance, a specific wasteload allocation is established that would apply to the project's discharge, the project owner/operator must determine and implement all of the steps necessary to meet that allocation within 3 months from the final TMDL approval date instead of 6 months.
- ACT3, Condition S-1(1) -- The new federal requirement for applicants to submit the LCNOI electronically beginning December 21, 2020, has been added.
- ACT5, Condition T-3(6) -- Permittee must provide and maintain a 50-foot natural buffer around waters of the U.S.
- ACT5, Condition T-3(12) -- This condition has been added per 40 CFR 450.21(d)(1) and regards minimizing the discharge of pollutants from equipment and vehicle washing, wheel wash water, concrete wash water, and other wash waters.
- ACT5, Condition T-4(1), -- Vegetative stabilization measures must now be initiated immediately whenever any land-disturbing activities have temporarily or permanently ceased on any portion of the site and will not resume for a period of fourteen (14) calendar days or more per 40 CFR 450.21(b).
- ACT5, Condition T-10, -- Requirements for the permittee to provide a description of procedures for removing sediment and other pollutants have been added to the housekeeping practices section of the SWPPP.
- ACT5, Condition T-15, -- Corrective action procedures have been added to the Maintenance and Weekly Inspections section under this condition.
- ACT6, Condition S-5, -- It is now recommended the permittee perform a "walk through" inspection of the construction site daily instead of just before anticipated storm events.
- ACT10, Condition S-1, -- The new federal requirement for applicants to submit the RFT electronically beginning December 21, 2020, has been added.
- ACT12, Condition T-5, T-8, T-16, and T-31 -- The term "grubbing" has been added to these definitions.
- ACT12, Condition T-11, -- The definition of "Drought-Stricken Area" has been added.
- ACT12, Condition T-14, -- A statement regarding arid, semiarid, and drought-stricken areas was added to the definition of "Final Stabilization".
- ACT12, Condition T-15, -- The definition of "Infeasible" has been revised to match the definition provided by the Environmental Protection Agency.
- ACT12, Condition T-18, -- The definition of "Linear Project" has been added.
- All references to WPC-1 have been changed to reflect the new regulatory nomenclature of 11 Miss. Admin. Code Pt.6, Ch.1.
- The "Optional Monitoring" section (ACT9 in the previous Large Construction General Permit) has been removed.



SHEET 3 - LAYDOWN YARD

**SHEET 4 - PROJECT
SUBSTATION**

OVERALL NORTHWEST
ENTRANCE GRADING AREA



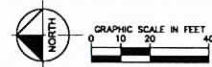
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NOTE: THE EARTHWORK QUANTITIES ABOVE ARE FOR PERMIT PURPOSES ONLY. THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.




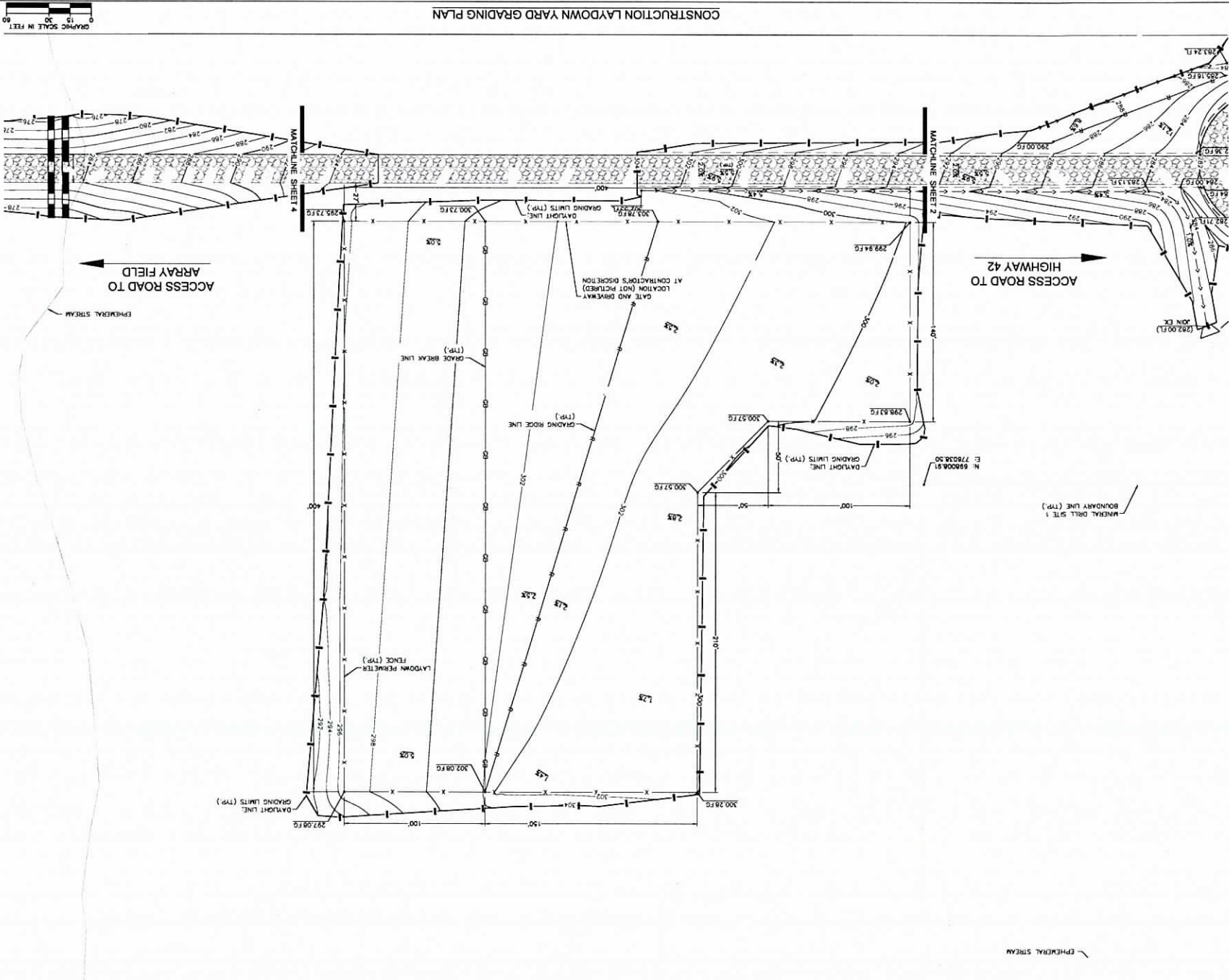
1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKSMANSHIP WITH JURISDICTIONS RIGHT-OF-WAY SHALL COMPLY WITH ALL LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR DOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.
2. ALL UNPAVED AREAS IN EXISTING RIGHT-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND REPAIRED TO EXISTING CONDITION OR BETTER.
3. TRAFFIC CONTROL ON ALL DOT, LOCAL, AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL (DOT/MTA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY WITHIN THE JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE AGREEMENT WITH THE JURISDICTIONARY AGENCY REQUIRE THE MOST STRINGENT SHALL GOVERN.
4. THE SUBCONTRACTOR SHALL GRAD THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WADGOWS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL AN ELEVATION OF 0.00 (SEA LEVEL) IS ACHIEVED.
5. BENEATH GRAVEL AND PAVED DRIVEWAY AREAS, SCARIFICATION OF THE EXISTING SOLIDS SHOULD EXTEND TO A MINIMUM DEPTH OF ONE FOOT BELOW THE EXISTING DRAINAGE SURFACE OR FINAL SUBGRADE ELEVATION, WHICHEVER IS LOWER.
 - a. IF WATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMIT. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGNER PRIOR TO WATERING.
6. AREAS OF THE SITE BEING GRADED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL AND ORGANIC MATTER PRIOR TO GRADING. CLEARING AND GRUBBING IS CONSIDERED COMPLETE WHEN SOIL SUPPORTING STRUCTURAL PLANT MATERIAL OR ROOTS ARE EXCAVATED AND REDUCED AS STRUCTURAL PLANT MATERIAL IS LESS THAN FIVE (5) PERCENT ORGANIC MATERIALS (BY VOLUME).
7. LOCATIONS OF PROPOSED SUBSTATIONS, INTERCONNECTION VENTS (SWITCHWAYS), NATIVE COMPACTED EARTH, AND AGGREGATE BASE SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF TWELVE (12) INCHES TO REMOVE ALL TOPSOIL, ORGANIC MATTER, MOISTURE CONTENT, AND THEN SUBGRADE-COMPACTED TO THE A MINIMUM OF NINETY-EIGHT PERCENT (98%) RELATIVE COMPACTION BASED UPON THE MAXIMUM DRY WEIGHT OF THE OBTAINED SUBGRADE. COMPACT WITH THE STANDARD PROCTOR COMPACTION TEST (ASTM D998) WHERE OCCURS.
8. INTERCONNECTION OR SUBSTATION VENTS SHOULD CONSIST OF A MINIMUM OF SIX NINCHES (6") THICK 3/4" LOOSE CRUSHED ROCK AGGREGATE BASE OVER SIXPERCENT PREPARED SUBGRADE OR AS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER. ELEVATION OF THE VENT SHALL BE THE SAME AS THE GRADED COMPACTED EARTH GRADE, NOT TOP OF GRAVEL.
9. WHERE THEY OCCUR, NATIVE COMPACTED OR GRAVEL ACCESS ROADS SHOULD BE PROVIDED WITH AT LEAST 1/2% CROSS-SLOPE. ALL SUBSTATION AND INTERCONNECTION YARDING SHALL BE PROVIDED WITH A PLACED AREA OF 10' WIDE DRAIN THE BASE COURSE AND IMPROVE STABILITY IN WET CONDITIONS. FOR GRAVEL ROAD PAVEMENT SECTION, REFER TO PLANS BY VENT.
10. EXCAVATIONS CREATED BY REMOVING VEGETATION ROOTS OR CONTAMINATED SOILS SHALL BE REPAIRED TO EXISTING GRADE. SOILS SHALL BE REPLACED TO MEET THE REQUIREMENTS LISTED HEREIN. IN SOME CASES, TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITH LANDSCAPED AREAS BUT ONLY AS THE DESIGNER APPROVES.
11. MATERIAL TO BE USED AS FILL SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER AND SHALL BE ESSENTIALLY FREE OF ORGANIC MATTER, PARTICLES LARGER THAN FOUR (4) INCHES IN ANY DIMENSION, AND OTHER MATERIALS THAT SUBSTANTIALLY REDUCE THE STRENGTH OF THE FILL. FILL AREAS PREPARED TO RECEIVE FILL IN NEAR-HORIZONTAL LAYERS NOT EXCEEDING TWELVE (12) INCHES IN LOOSE THICKNESS FOR ARRAY GRADING, NINE (9) INCHES IN LOOSE THICKNESS FOR THE OTHERS. THE FILL SHALL BE PLACED IN LAYERS NOT EXCEEDING THIRTY (30) INCHES IN THICKNESS FOR THE MISSISSIPPI POWER COMPANY SUBSTATION. AFTER EACH LAYER HAS BEEN MOISTURE-CONDITIONED, MIXED, AND EVENLY PLACED, THE SOIL SHALL BE MECHANICALLY COMPACTED TO NOT LESS THAN NINETY EIGHT PERCENT (98%) RELATIVE COMPACTION FOR THE PROJECT SUBSTATION AND ACCESS ROADS OR NINETY FIVE PERCENT (95%) FOR THE MISSISSIPPI POWER COMPANY SUBSTATION BASED UPON THE MAXIMUM DRY WEIGHT OBTAINED IN ACCORDANCE WITH THE STANDARD PROCTOR COMPACTION TEST (ASTM D998).
12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTION AGENCY AND SHOULD BE PERFORMED BY A REPRESENTATIVE OF THE PROJECT GEOTECHNICAL ENGINEER. THE PROJECT GEOTECHNICAL ENGINEER SHOULD CHECK THE BOTTOMS OF EXCAVATIONS, 50% LOOSE, OR OTHERWISE UNSTABLE SOILS ARE UNCOMPACTED. THE DEPTH OF THE UNSTABLE SOILS NEED NOT BE EXTENDED BEYOND SUITABLE SOILS.
13. ALL CORNERS OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE CONTRACTOR AND DESIGN ENGINEER OF RECORD DIRECTLY TO THE DESIGNER BY E-MAIL.
14. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE PERMANENTLY SEEDDED OR OTHERWISE STABILIZED BY MEANS AND METHODS APPROVED BY THE LOCAL AGENCY. ANY AREA NOT SEEDDED OR OTHERWISE STABILIZED SHALL BE RECONSTRUCTED. THE SOIL SHALL BE CORRECTED BY THE SUBCONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACTOR.
15. ALL CUT OR FILL SLOPES SHALL BE 3 (HORIZONTAL) TO 1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SPECIFIED. THE PLAN OF THE SLOPING GROUND THAT IS STEEPER THAN TWENTY PERCENT (20%), THE GROUND TO RECEIVE FILL SHALL BE PREPARED BY PROPER KEYING AND BRACING AS DESCRIBED IN THE GEOTECHNICAL REPORT.
16. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE SUBCONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
17. THE SUBCONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS. ALL TURBIDITY BARRIERS SHALL BE MAINTAINED IN EFFECTIVE CONDITION AT ALL TIMES. TURBIDITY BARRIERS SHALL BE MAINTAINED IN EFFECTIVE CONDITION AT ALL TIMES. THEREAFTER, THE SUBCONTRACTOR MUST REMOVE THE BARRIERS AT THE END OF EACH DAY. THE SUBCONTRACTOR SHALL KNOW THE BARRIERS AT THE QUALITY STANDARDS OF THE GOVERNING CODE.
18. THE SUBCONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE REQUIRED PERMITS COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMITTING INFORMATION IN ORDER TO BE AVAILABLE FOR REVIEW UPON REQUEST BY GOVERNING JURISDICTION.
19. REFER TO "ON-SITE AND OFF-SITE DRAINAGE REPORT" PREPARED BY KULWY-HORN AND ASSOCIATES DATED SEPTEMBER 2016 FOR MORE INFORMATION REGARDING DRAINAGE.

811
 Discover's Secret.
 Call 811 before you dig.



1. ELEVATIONS SHOWN HEREON REFLECT FINISHED COMPACTED EARTH GRADE AND DO NOT ACCOUNT FOR THICKNESS OF ANY GRAVEL SECTION.
2. POINT OF BEGINNING SHALL BE THE POINT WHERE THE PROPERTY LINE ADJACENT TO THE CUSTOMER SUBSTATION SITE REQUIREMENTS ISSUED MAY 2012 INCLUDING ANY ADDENDUM. THESE REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:
 - a. 12" MIN. SLOPE
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3. ACCESS ROADS ARE SUBJECT TO MISSISSIPPI DEPARTMENT OF TRANSPORTATION SPECIFICATIONS INCLUDING BUT NOT LIMITED TO: 15-20 WHEEL LOAD AND MINIMUM 8-INCH DOT ROAD BASE SURFACE).
4. FILL SHALL BE SPREAD IN SIX-INCH (6") LAYERS OR LESS AND MECHANICALLY COMPACTED TO NOT LESS THAN NINETY-FIVE PERCENT (95%) STANDARD PROCTOR ASTM D-698-91.
5. CUT AND FILL SLOPES MAY NOT EXCEED 3:1V:H.
6. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION. BMPs SHALL BE INSTALLED AT THE TOP OF ALL CUT OR FILL SLOPES. FOR EROSION CONTROL, THE USER SHALL REFER TO THE "CONSTRUCTION EROSION CONTROL PLANS" GRADING & EROSION CONTROL PLANS SHEETS APPROVED BY MDC.
7. FINAL GRADE SHALL SLOPE AT 1% FOR ADEQUATE DRAINAGE AND TO PREVENT EROSION.
8. WPC WILL PROVIDE FINISH GRADING FOR THE SUBSTATION SITE.
9. MDC WILL CONSTRUCT AND MAINTAIN CHAIN LINK FENCE AROUND THE SUBSTATION WITH 3-STANDARD BARBED WIRE.

SUMRALL SOLAR PREPARED FOR DEPCOM POWER MISSISSIPPI LAMAR COUNTY		SUPPLEMENTAL GRADING PLAN MPC SWITCHYARD		KIM PROJECT 05-10550 DATE 11/10/2016 SCALE AS SHOWN DESIGNED BY WJC DRAWN BY WJC CHECKED BY DWB				 <p>© 2016 KIMLEY-HORN AND ASSOCIATES, INC. 785 THE CITY DRIVE, SUITE 200, FARMERS BRANCH, TX 75440 PHONE: 774.344.4400 WWW.KIMLEY-HORN.COM</p>		0 ISSUED FOR CONSTRUCTION 10.24.2016 MC	
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CONSTRUCTION LAYDOWN YARD GRADING PLAN

SUMRALL SOLAR
 PREPARED FOR
DEPCOM POWER
 MISSISSIPPI

SUPPLEMENTAL
GRADING PLAN
LAYDOWN YARD

SHEET NUMBER
3 OF 4

KIMLEY-HORN PROJECT
 03/16/2016
 11/10/2016
 SOIL: AS SHOWN
 DESIGNED BY: WHC
 DRAWN BY: WHC
 CHECKED BY: DMB

Kimley-Horn
 © 2016 KIMLEY-HORN AND ASSOCIATES, INC.
 785 THE CITY DRIVE, SUITE 200, DALLAS, TX 75201
 PHONE: 214-521-1400
 WWW.KIMLEY-HORN.COM

ISSUED FOR CONSTRUCTION
 10/24/2016, INC

[illegible]

54'

NOTES:

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CULVERT

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LEGEND

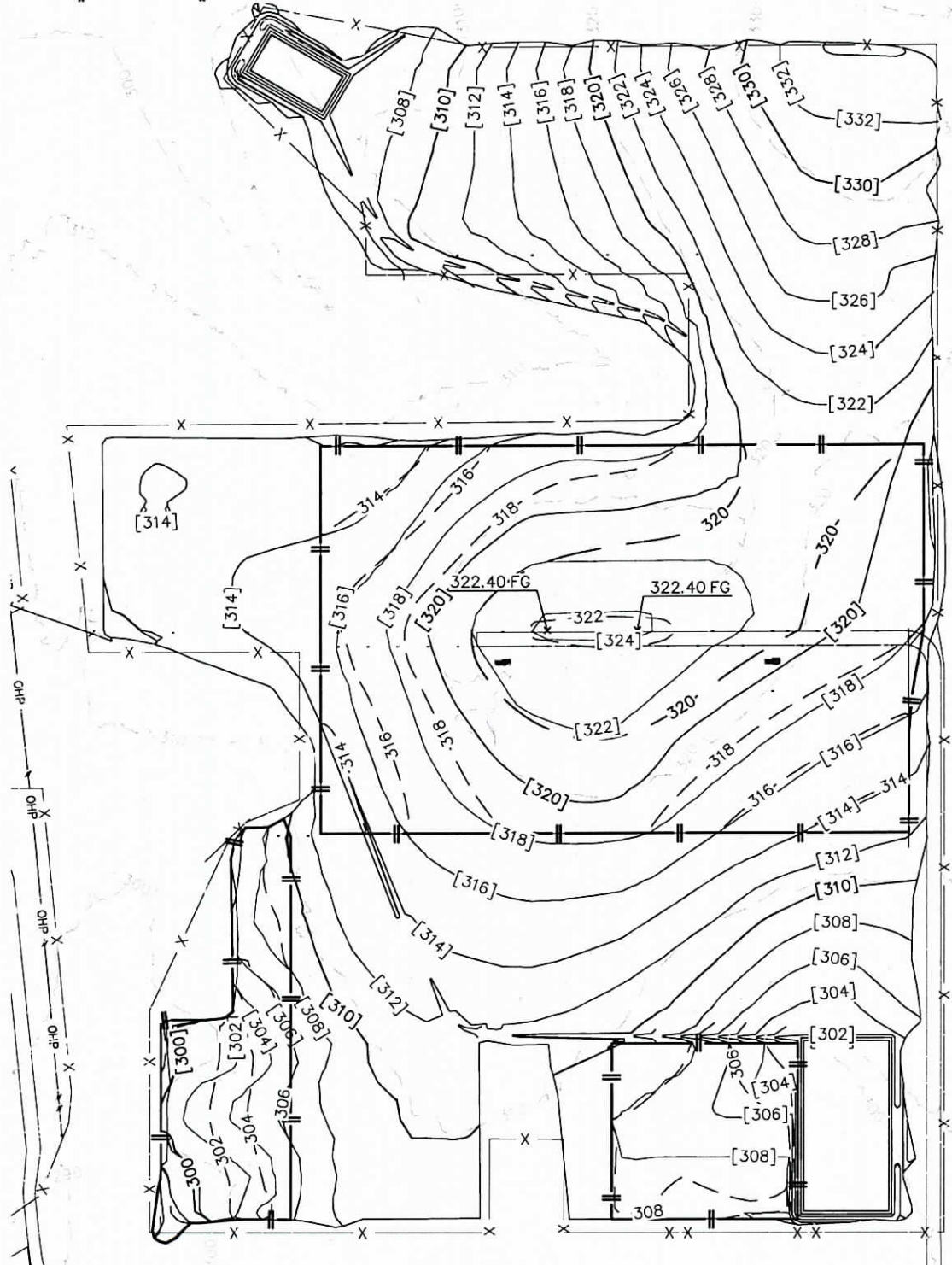
EXISTING GRADE CONTOURS

--- [XXX] --- DEPCOM-PROPOSED "OPTIMIZED SURFACE" CONTOURS

--- XXX --- KHA-REVISED PROPOSED CONTOURS

--- LIMIT OF KHA-REVISED GRADING

GRAPHIC SCALE IN FEET
0 75 150 300



SUMRALL SOLAR - GRADING REVIEW

CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-01/PV-18;19	16,700	30,500	13,800 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	27,100	27,100	0 (BALANCED)

NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

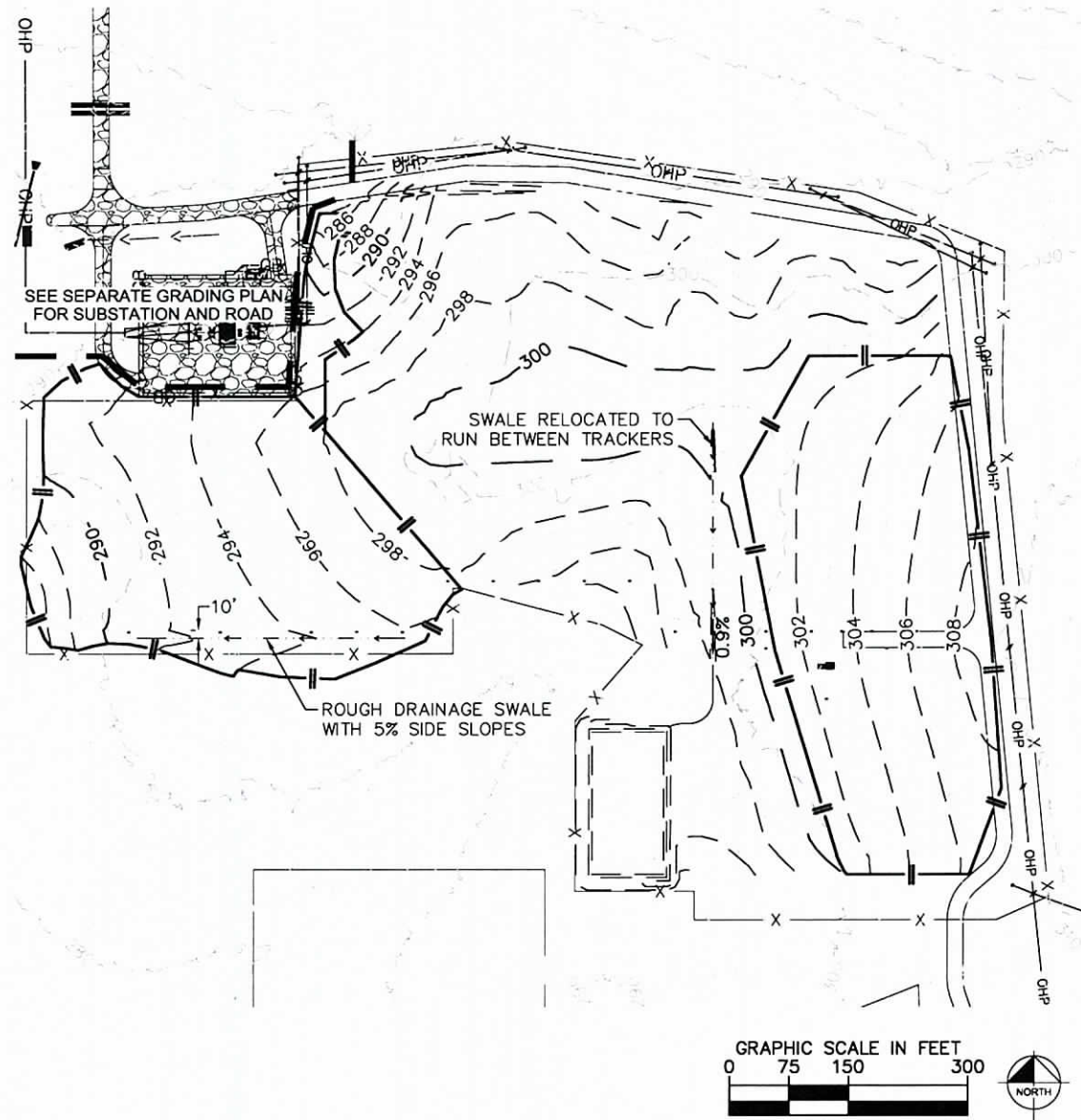
DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
10.28.2016

LEGEND

EXISTING GRADE CONTOURS

XXX
XXX
KHA-REVISED PROPOSED CONTOURS

LIMIT OF KHA-REVISED MASS GRADING



SUMRALL SOLAR - FINAL GRADING

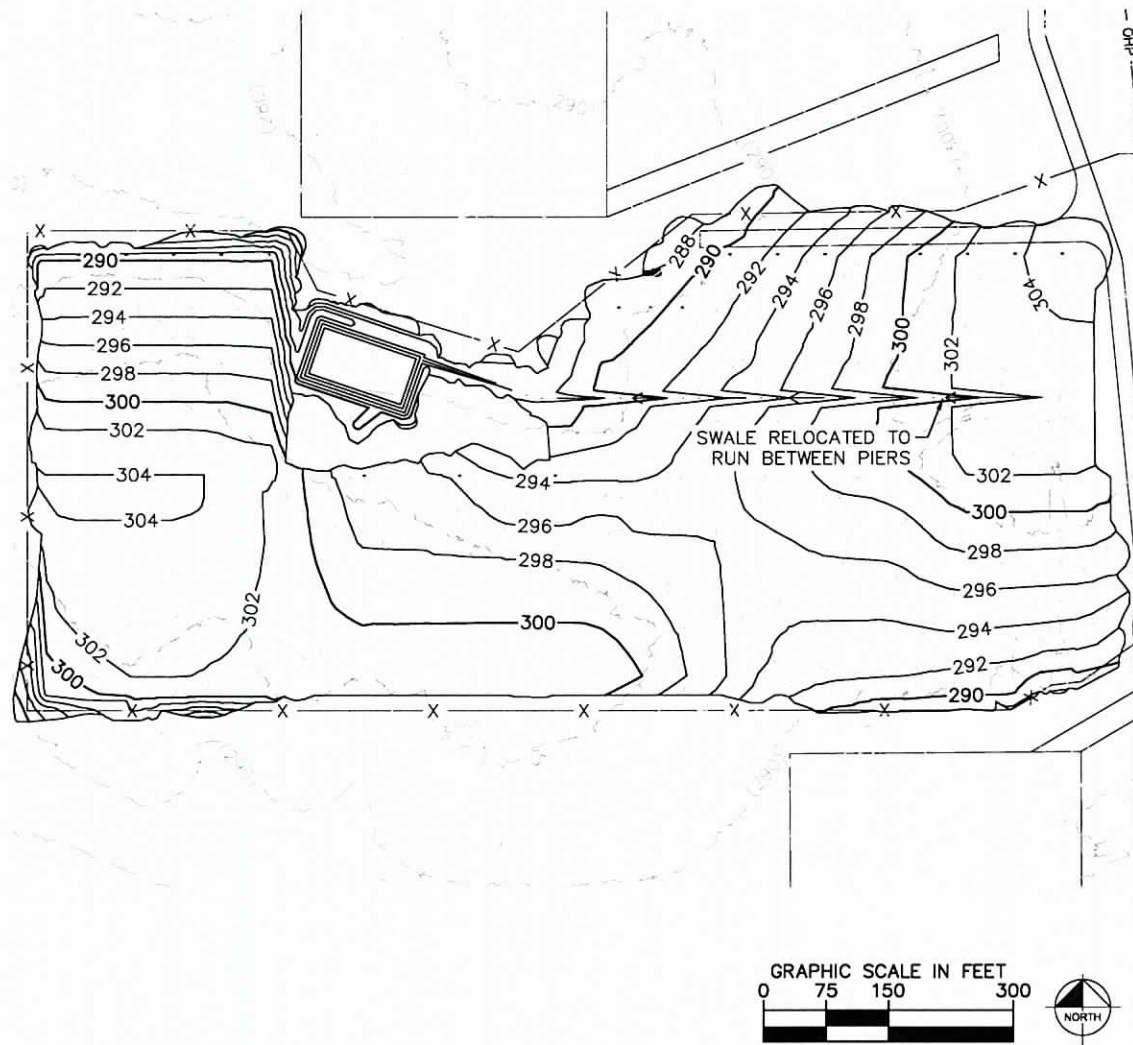
CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-02/PV-01	16,000	14,000	2,000 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	13,400	13,400	0 (BALANCED)

NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
11.4.2016

LEGEND

XXX	EXISTING GRADE CONTOURS
XXX	KHA-REVISED PROPOSED CONTOURS
	LIMIT OF FINAL GRADING



SUMRALL SOLAR - GRADING REVIEW							
CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-02/PV-01	14000	14400	400 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	14,200	14,200	0 (BALANCED)

NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
11.8.2016

EXISTING GRADE CONTOURS

XXX
XXX

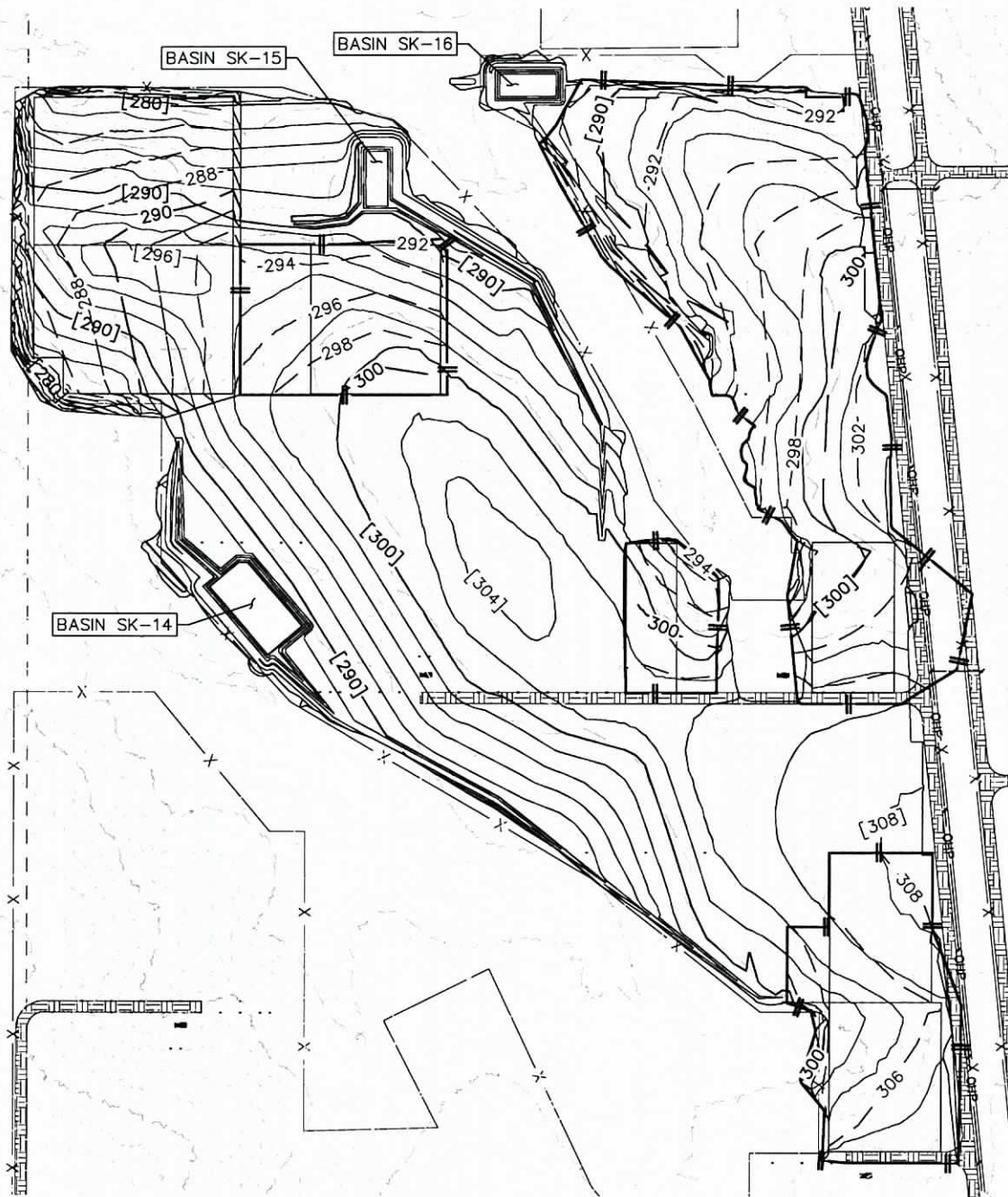
DEPCOM-PROPOSED "OPTIMIZED SURFACE" CONTOURS

XXX
XXX

KHA-REVISED PROPOSED CONTOURS

||

LIMIT OF KHA-REVISED GRADING



THE PROJECT AREA IS COVERED BY A LAYER OF TOPSOIL THAT IS NOT SUITABLE FOR FILL. TO CORRECT FOR THESE SPOILS, BY DIRECTION OF THE CONTRACTOR (DEPCOM POWER, INC.), GRADING AREAS ARE BEING DESIGNED TO RESULT IN A NET CUT OF 100 CUBIC YARDS PER ACRE OF GRADING. FOR THIS AREA:
GRADED AREA: 40 ACRES GOAL NET EARTHWORK: 4,000 CY CUT

GRAPHIC SCALE IN FEET



SUMRALL SOLAR - GRADING REVIEW

CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK V1; V2		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-02/PV-01	35,700	44,000	8,300 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	40,300 53,400	40,300 49,400	40,300(BAL) 4,000 (CUT)

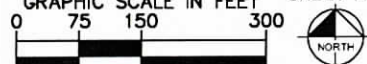
NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
11.19.2016

LEGEND

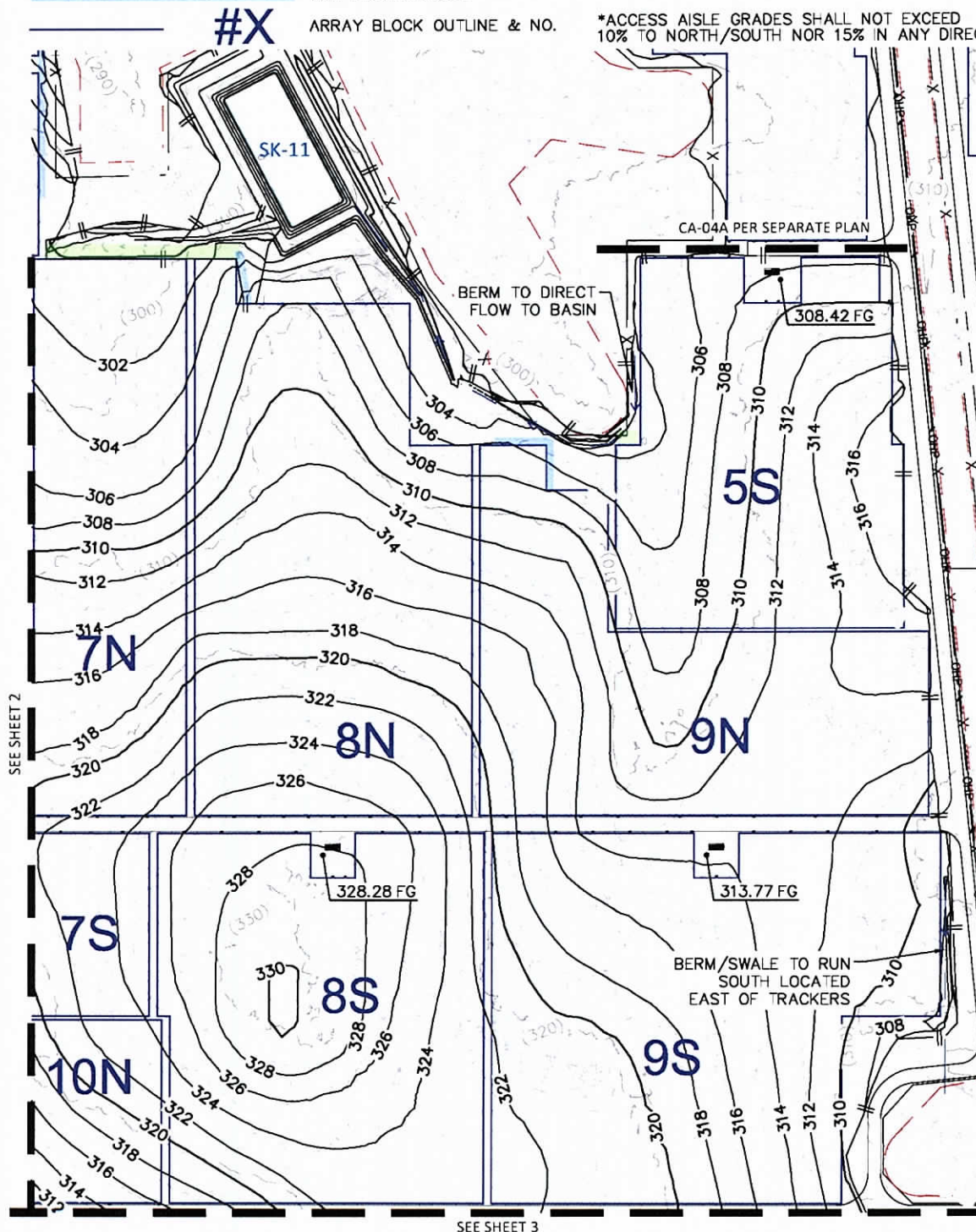
- (XXX) EXISTING GRADE CONTOURS
- XXX KHA-REVISED PROPOSED CONTOURS
- || LIMIT OF FINAL GRADING
- - - - - LIMIT OF PERMITTED DISTURBANCE
- 20'W ACCESS AISLE*
- 10'W ACCESS AISLE*
- #X ARRAY BLOCK OUTLINE & NO.

GRAPHIC SCALE IN FEET SHEET 1 OF 3



ACCORDING TO THE CONTRACTOR (DEPCOM POWER, INC.), THIS CLEAR AREA HAS BEEN RELIEVED OF TOPSOIL THAT IS NOT SUITABLE FOR FILL WITHIN THE ARRAYS. THEREFORE, THE CORRECTION FACTOR PREVIOUSLY USED WITH A NET CUT OF 100 CUBIC YARDS PER ACRE OF GRADING IS NOT REQUIRED.

*ACCESS AISLE GRADES SHALL NOT EXCEED 10% TO NORTH/SOUTH NOR 15% IN ANY DIRECTION

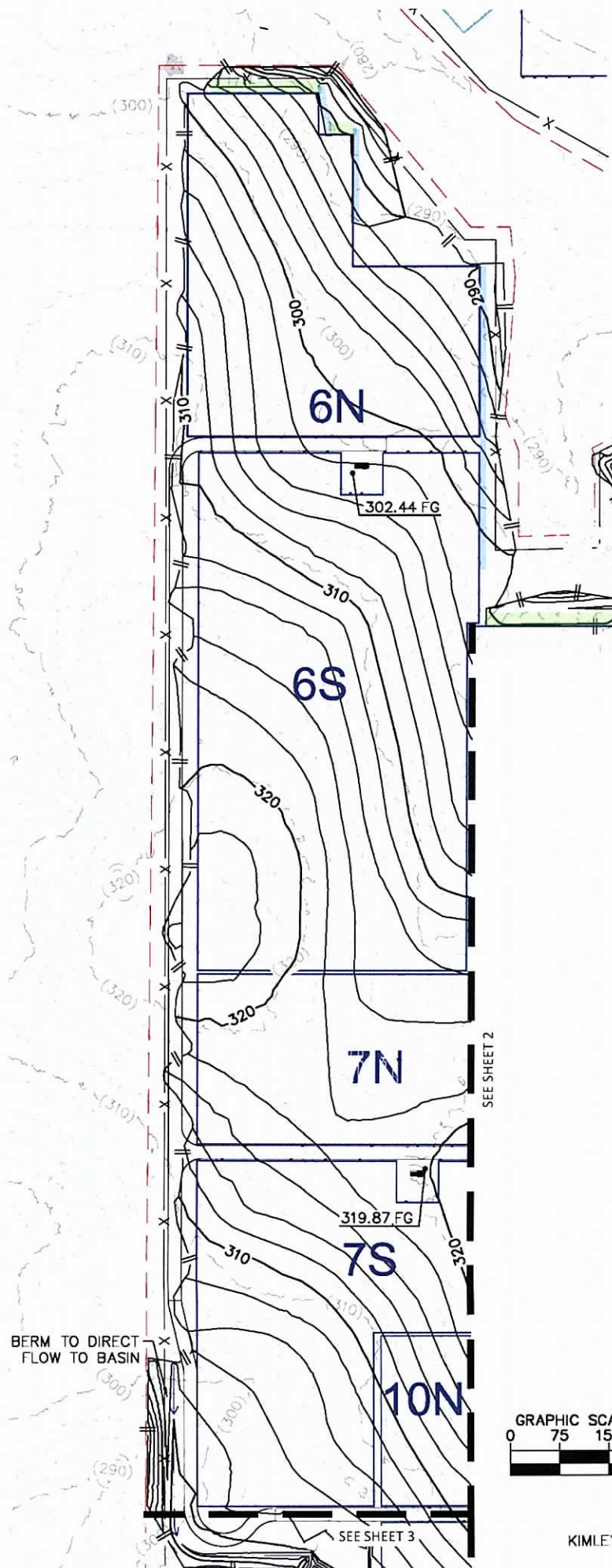


SUMRALL SOLAR - GRADING REVIEW

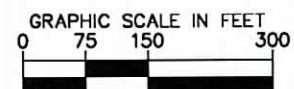
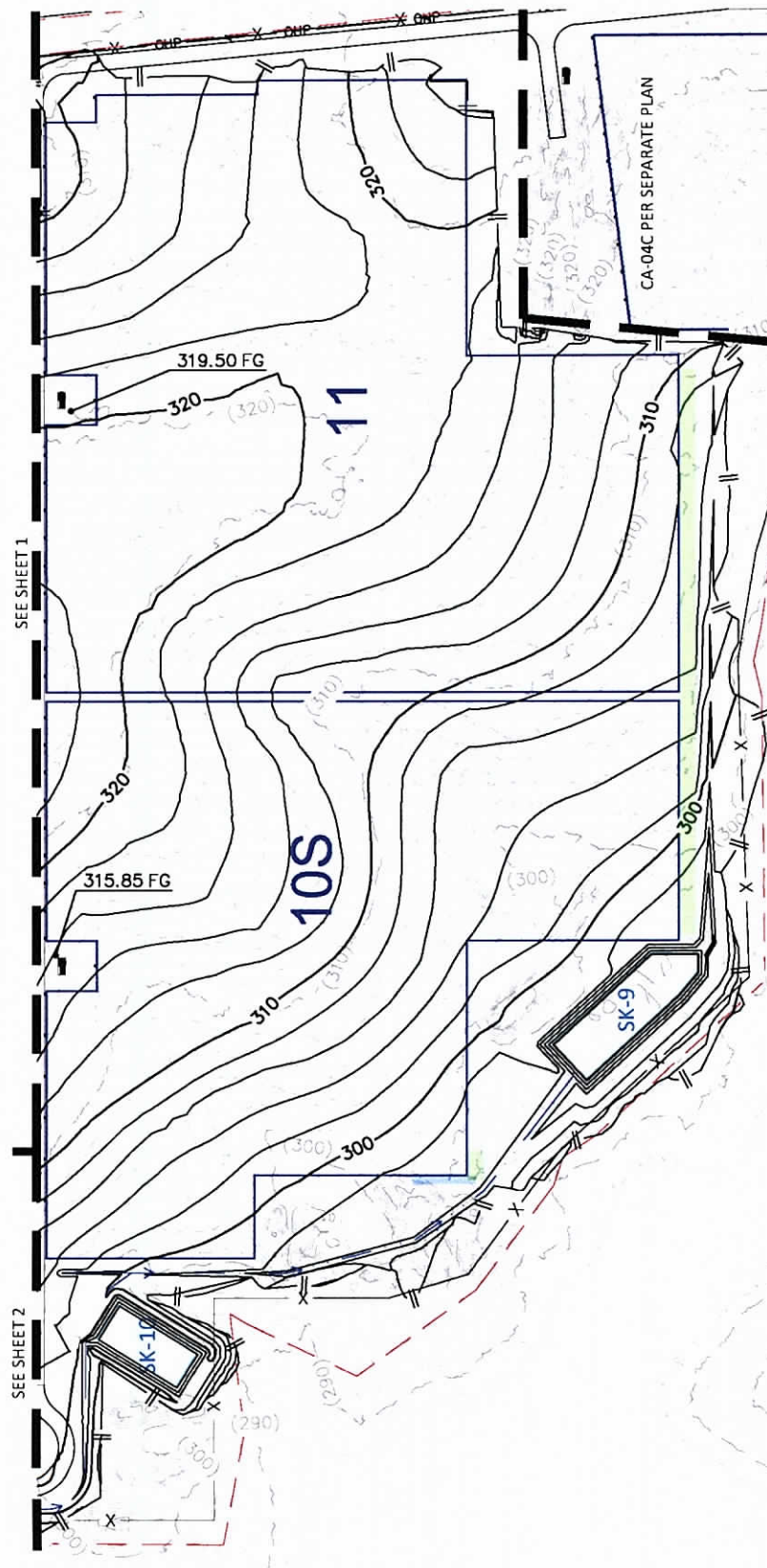
CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-02/PV-01	79,100	67,000	12,100 (CUT)	UNBALANCED; ADJUSTMENT REQUIRED	74,200	74,000	200 (CUT)

NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
12.16.2016



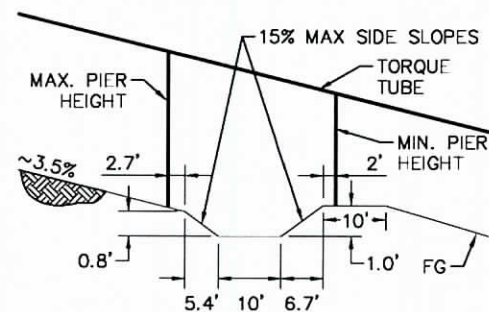
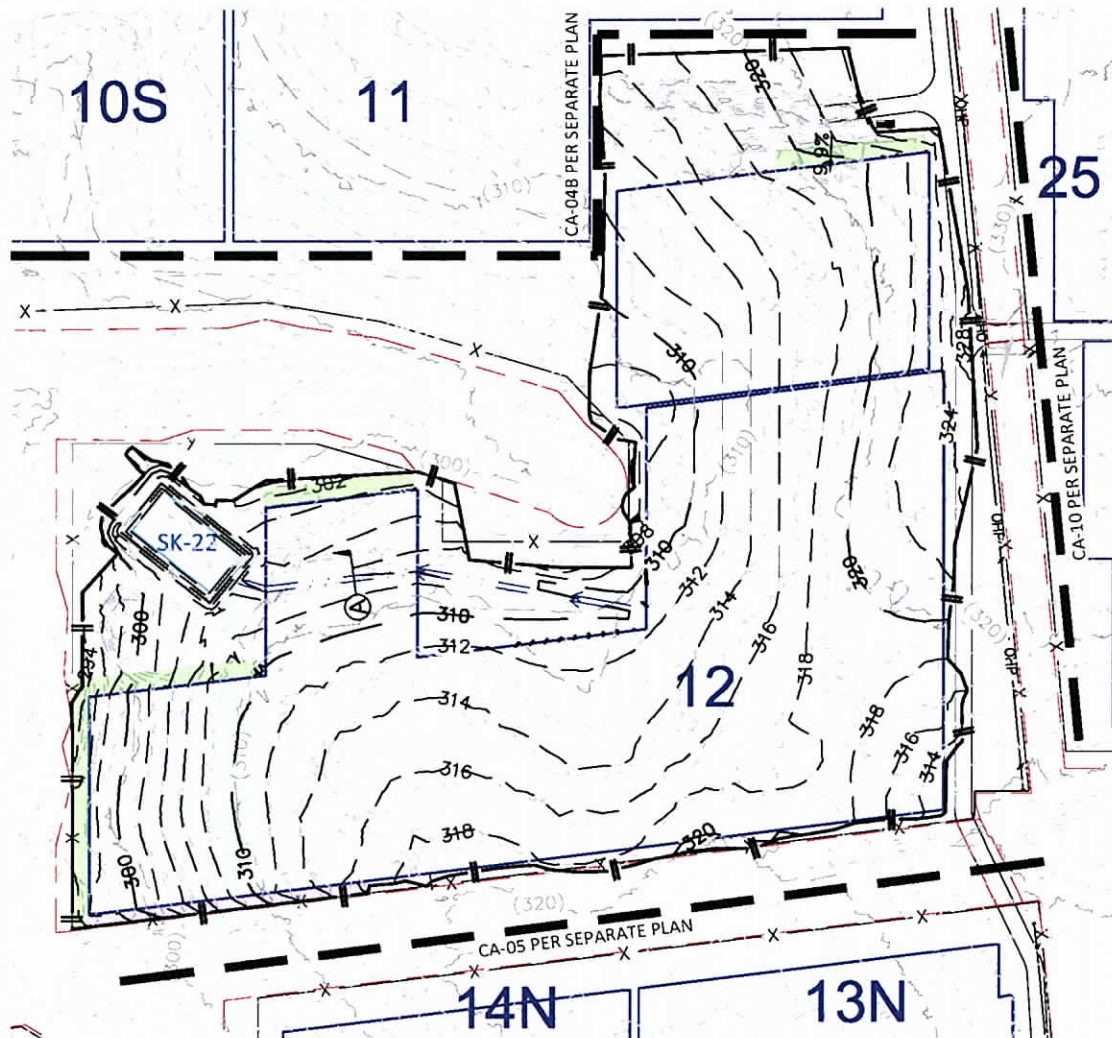
DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
12.16.2016



DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
12.16.2016

LEGEND

(XXX)	EXISTING GRADE CONTOURS	---	LIMIT OF PERMITTED DISTURBANCE
XXX	KHA-REVISED FINAL CONTOURS		20'W ACCESS AISLE*
			15'W ACCESS AISLE*
			10'W ACCESS AISLE*
	LIMIT OF GRADING		#X
Σ	TRAPEZOIDAL SWALE		ARRAY BLOCK OUTLINE & NO.



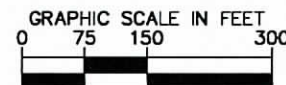
DIVERSION SWALE TYPICAL SECTION

NTS; SCHEMATIC WITH 5x VERTICAL EXAGGERATION



ACCORDING TO THE CONTRACTOR (DEPCOM POWER, INC.), THIS CLEAR AREA HAS BEEN RELIEVED OF TOPSOIL THAT IS NOT SUITABLE FOR FILL WITHIN THE ARRAYS. THEREFORE, THE CORRECTION FACTOR PREVIOUSLY USED WITH A NET CUT OF 100 CUBIC YARDS PER ACRE OF GRADING IS NOT REQUIRED.

*ACCESS AISLE GRADES SHALL NOT EXCEED 10% TO NORTH/SOUTH NOR 15% IN ANY DIRECTION



SUMRALL SOLAR - GRADING REVIEW - FINAL GRADING

CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-04C/A12	12,800	15,600	2,800 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	14,200	14,200	0 (BALANCED)

NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
12.20.2016

XXX
XXX

KHA-FINAL CONTOURS

#X

ARRAY BLOCK
OUTLINE & NO.

|| ||

GRADING LIMITS

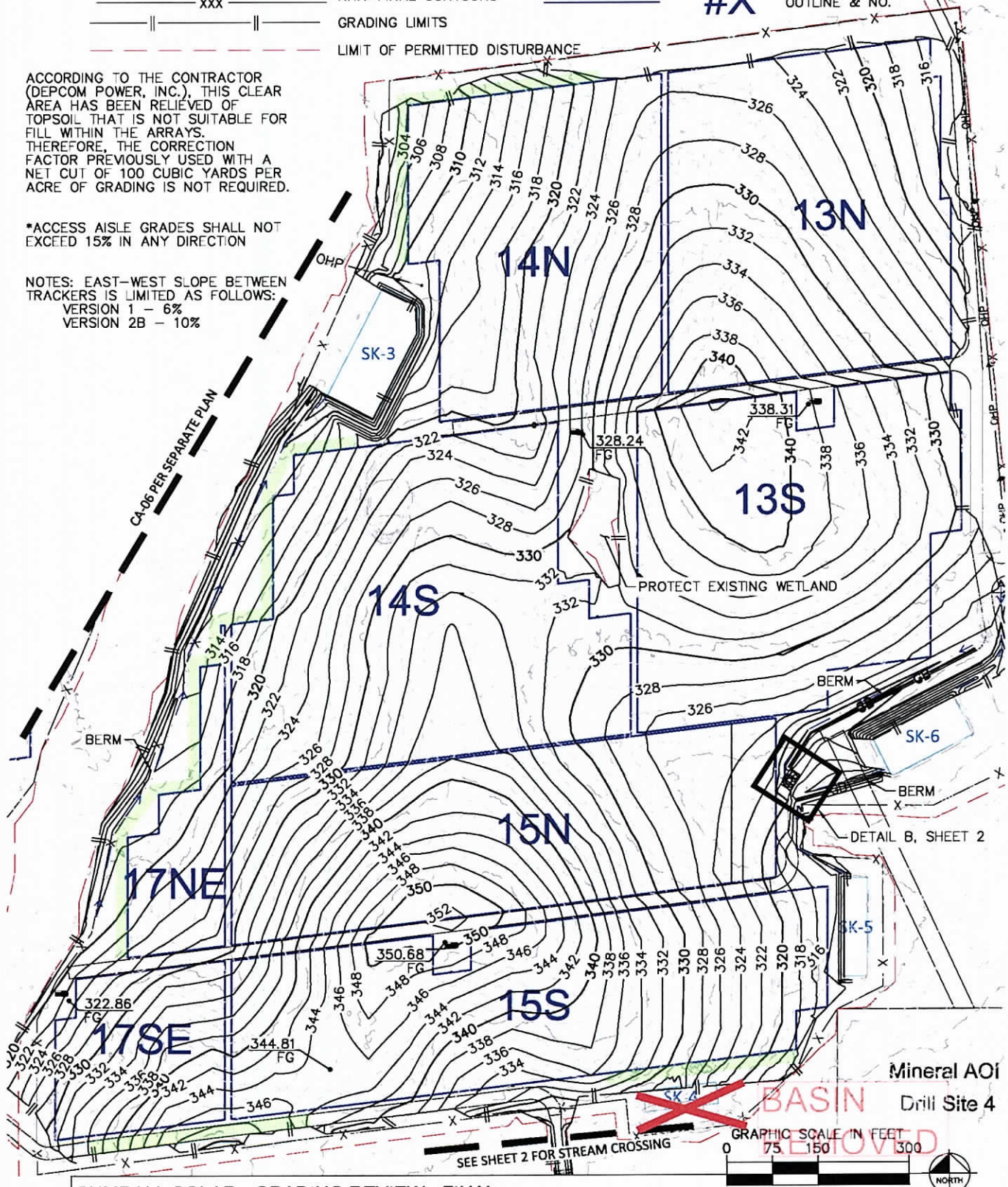
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LIMIT OF PERMITTED DISTURBANCE

ACCORDING TO THE CONTRACTOR (DEPCOM POWER, INC.), THIS CLEAR AREA HAS BEEN RELIEVED OF TOPSOIL THAT IS NOT SUITABLE FOR FILL WITHIN THE ARRAYS. THEREFORE, THE CORRECTION FACTOR PREVIOUSLY USED WITH A NET CUT OF 100 CUBIC YARDS PER ACRE OF GRADING IS NOT REQUIRED.

*ACCESS AISLE GRADES SHALL NOT EXCEED 15% IN ANY DIRECTION

NOTES: EAST-WEST SLOPE BETWEEN TRACKERS IS LIMITED AS FOLLOWS:
VERSION 1 - 6%
VERSION 2B - 10%

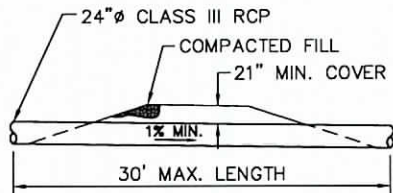


SUMRALL SOLAR - GRADING REVIEW - FINAL

CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK V1 V2		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-05/A13;14;15 ;17E	87,700	80,100	7,600 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	86,200 59,500	86,200 59,500	0 (BALANCED)

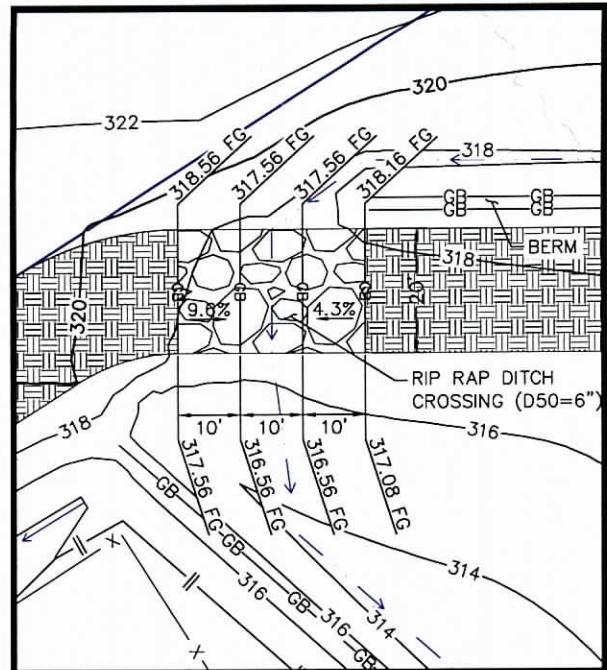
NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
1.17.2017



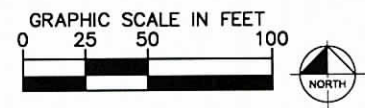
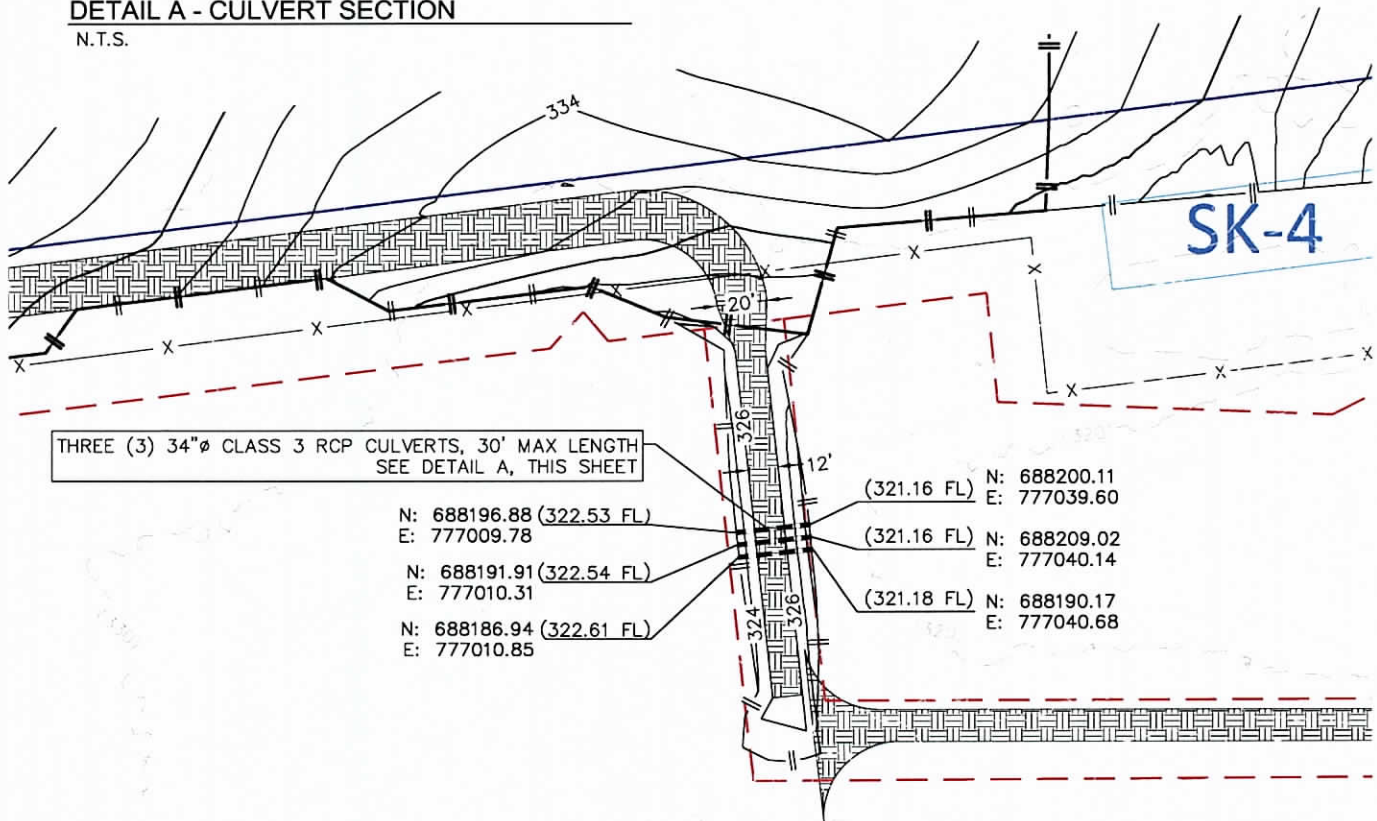
1. CULVERTS MUST BE INSTALLED IN ACCORDANCE WITH DA PERMIT APPLICATION SAM-2016-00544-AFM NWP-51 AOI-(6).
2. MINIMUM COVER FROM TOP-OF-PIPE TO FINISH GRADE IS 36" OF QUALIFYING OVERFILL SOIL.
3. CULVERTS MUST BE CLASS III RCP PER ASTM C76 (AASHTO M170).
4. TYPE 2 BEDDING AND INSTALLATION SHALL FOLLOW THE AMERICAN CONCRETE PIPE ASSOCIATION RESOURCE #16-201 "LRFD FILL HEIGHT TABLES".

N.T.S.



GRAPHIC SCALE IN FEET

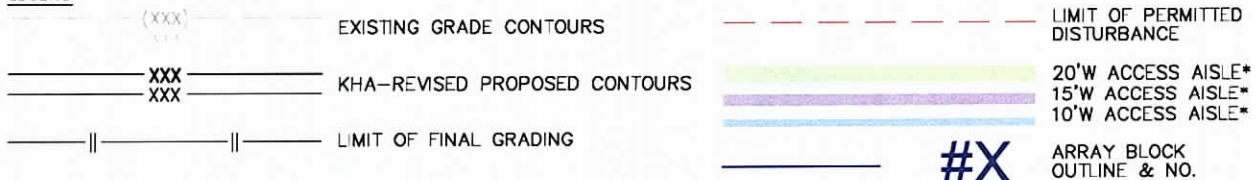
A horizontal scale bar with tick marks at 0, 10, 20, and 40 feet. The bar is divided into alternating black and white segments. The segments from 0 to 10 feet are white, from 10 to 20 feet are black, and from 20 to 40 feet are white.



CA-05; A13,A14,A15,A17E

DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
1.17.2017

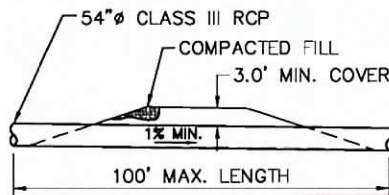
LEGEND



ACCORDING TO THE CONTRACTOR (DEPCOM POWER, INC.), THIS CLEAR AREA HAS BEEN RELIEVED OF TOPSOIL THAT IS NOT SUITABLE FOR FILL WITHIN THE ARRAYS. THEREFORE, THE CORRECTION FACTOR PREVIOUSLY USED WITH A NET CUT OF 100 CUBIC YARDS PER ACRE OF GRADING IS NOT REQUIRED.

*ACCESS AISLE GRADES SHALL NOT EXCEED 15% IN ANY DIRECTION

NOTES: EAST-WEST SLOPE BETWEEN TRACKERS IS LIMITED AS FOLLOWS:
VERSION 1 - 6%
VERSION 2B - 10%

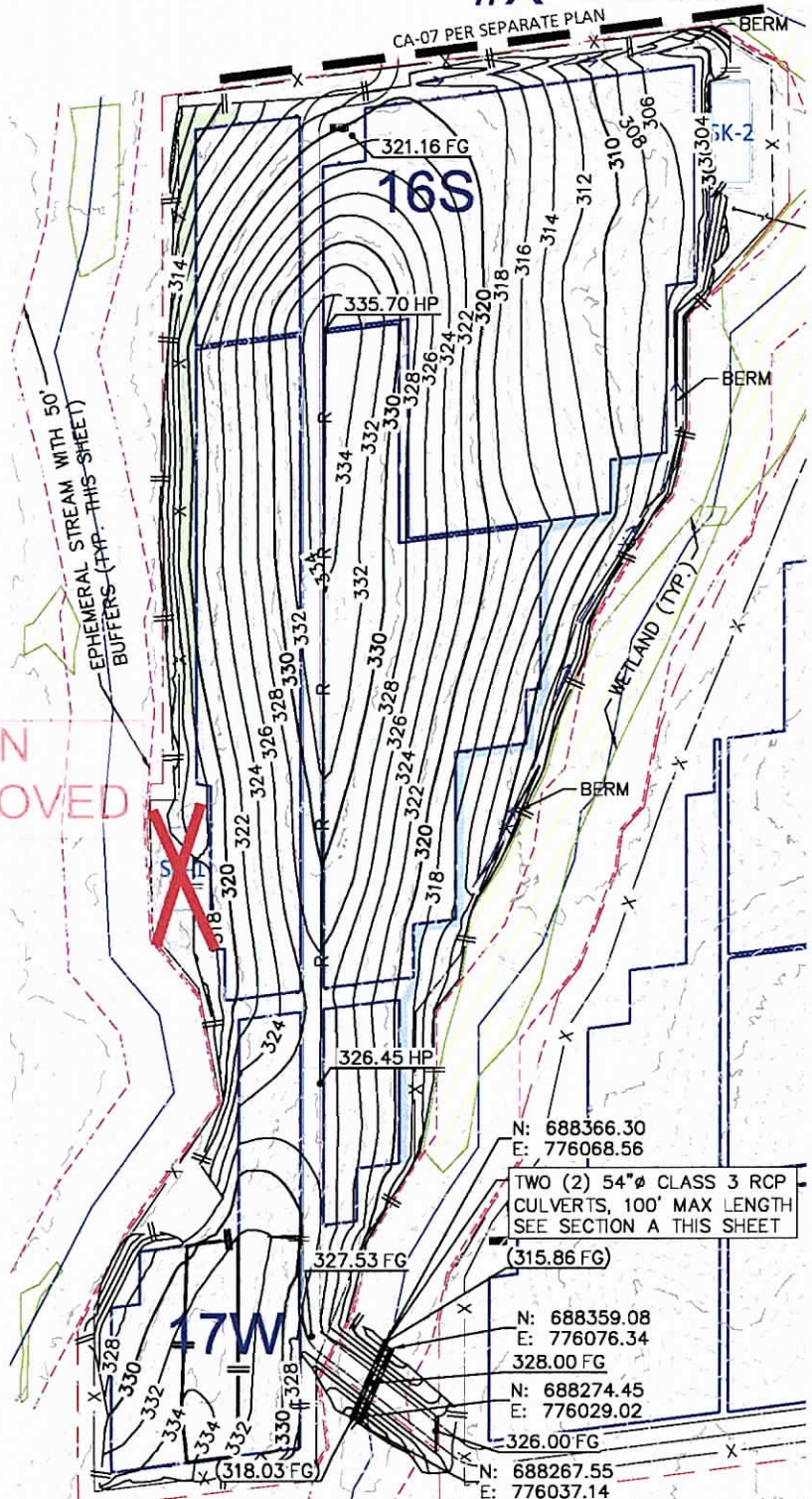
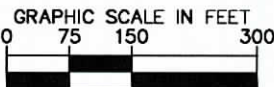


NOTES:

- CULVERTS MUST BE INSTALLED IN ACCORDANCE WITH DA PERMIT APPLICATION SAM-2016-00544-AFM NWP-51 AOI-(5).
- MINIMUM COVER FROM TOP-OF-PIPE TO FINISH GRADE IS 36" OF QUALIFYING OVERFILL SOIL.
- CULVERTS MUST BE CLASS III RCP PER ASTM C76 (AASHTO M170).
- TYPE 2 BEDDING AND INSTALLATION SHALL FOLLOW THE AMERICAN CONCRETE PIPE ASSOCIATION RESOURCE #16-201 "LRFD FILL HEIGHT TABLES".

CULVERT SECTION A

N.T.S.



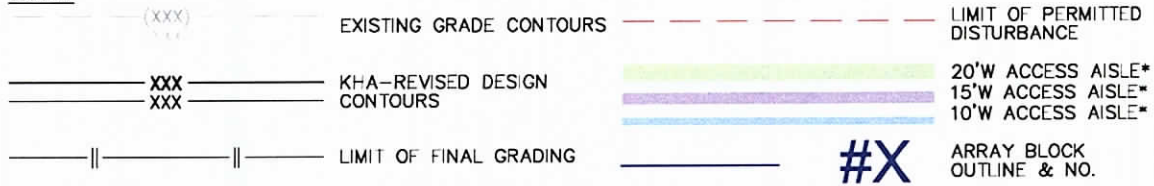
SUMRALL SOLAR - GRADING REVIEW - FINAL GRADING

CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK V1 V2B		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-06/A26S	21,000	61,300	41,300 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	39,500 19,200	39,100 19,200	400 (CUT) BALANCED

NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

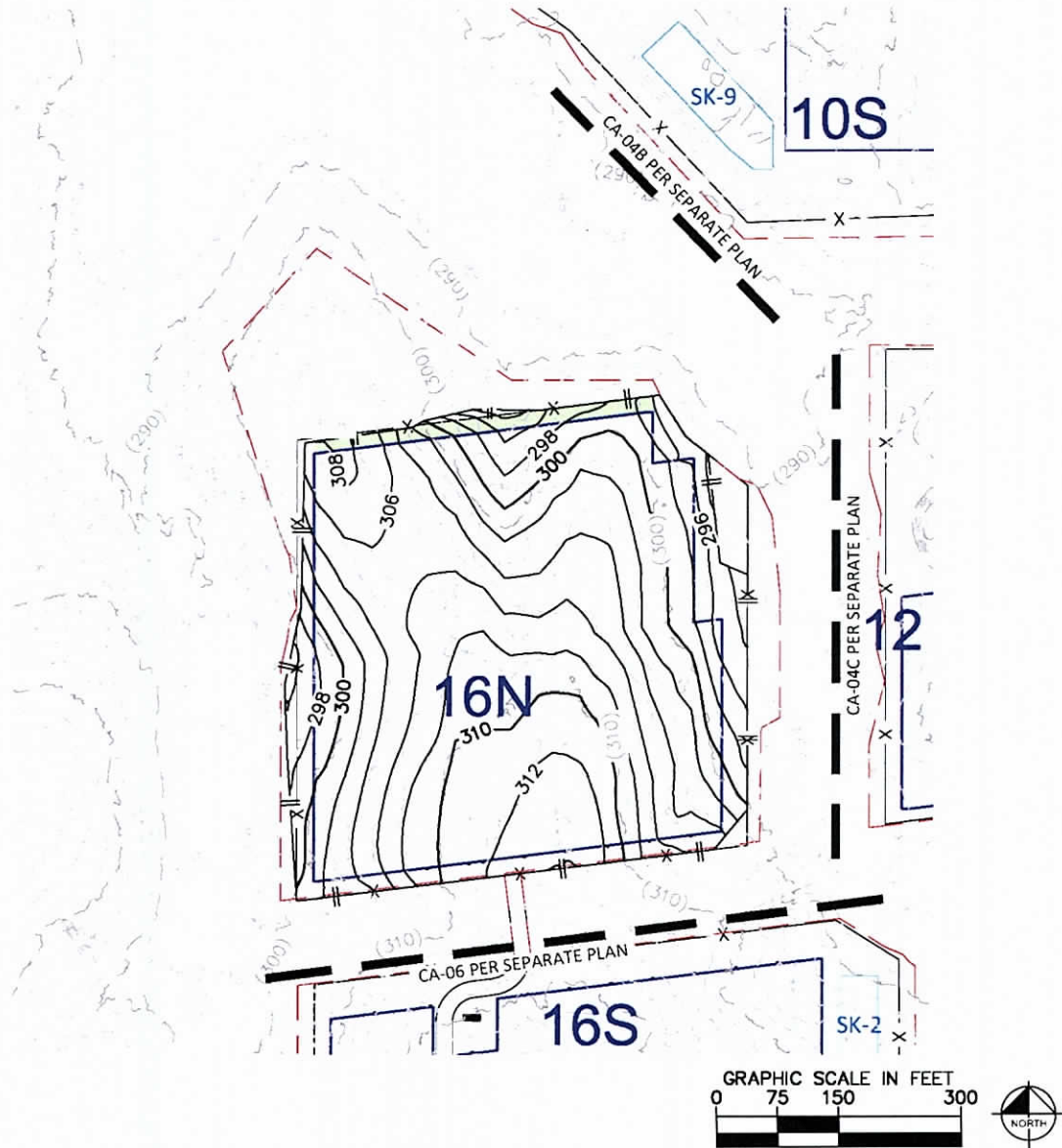
DESIGNED BY: WC
CHECKED BY: DB
KIMLEY-HORN & ASSOCIATES
1.12.2017

LEGEND



ACCORDING TO THE CONTRACTOR (DEPCOM POWER, INC.), THIS CLEAR AREA HAS BEEN RELIEVED OF TOPSOIL THAT IS NOT SUITABLE FOR FILL WITHIN THE ARRAYS. THEREFORE, THE CORRECTION FACTOR PREVIOUSLY USED WITH A NET CUT OF 100 CUBIC YARDS PER ACRE OF GRADING IS NOT REQUIRED.

*ACCESS AISLE GRADES SHALL NOT EXCEED 15% IN ANY DIRECTION



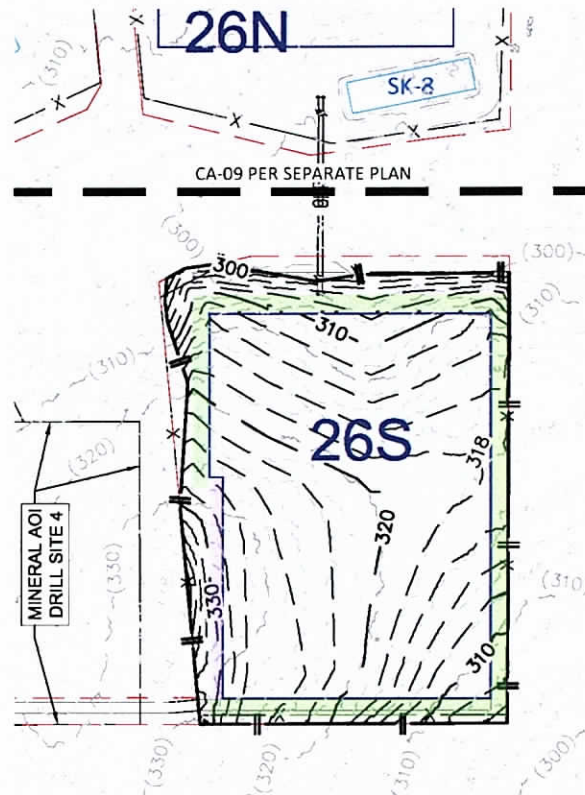
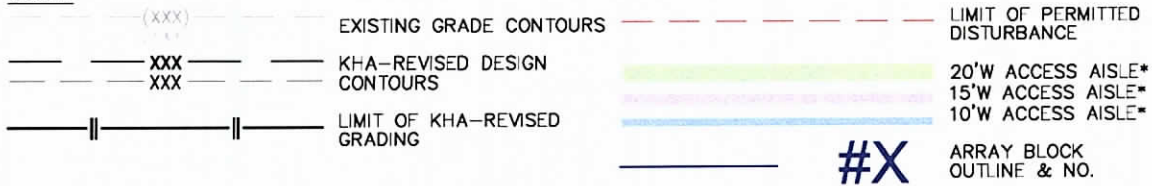
SUMRALL SOLAR - GRADING REVIEW - PROPOSED GRADING

CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-07/A16N	7,800	8,600	800 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	3,000	3,000	0 (BALANCED)

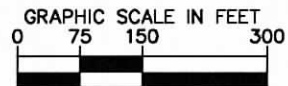
NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

DESIGNED BY: WC
 CHECKED BY: DB
 KIMLEY-HORN & ASSOCIATES
 12.28.2016

LEGEND



ACCORDING TO THE CONTRACTOR (DEPCOM POWER, INC.), THIS CLEAR AREA HAS BEEN RELIEVED OF TOPSOIL THAT IS NOT SUITABLE FOR FILL WITHIN THE ARRAYS. THEREFORE, THE CORRECTION FACTOR PREVIOUSLY USED WITH A NET CUT OF 100 CUBIC YARDS PER ACRE OF GRADING IS NOT REQUIRED.



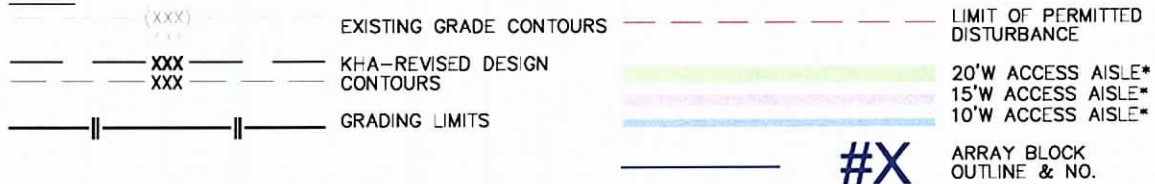
*ACCESS AISLE GRADES SHALL NOT EXCEED 10% CROSS-SLOPE OR 15% IN ANY DIRECTION

SUMRALL SOLAR - GRADING REVIEW - FINAL GRADING							
CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-08/A26S	4,400	11,300	6,900 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	6,400	6,400	0 (BALANCED)

NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

DESIGNED BY: WC
 CHECKED BY: DB
 KIMLEY-HORN & ASSOCIATES
 12.22.2016

LEGEND



ACCORDING TO THE CONTRACTOR (DEPCOM POWER, INC.), THIS CLEAR AREA HAS BEEN RELIEVED OF TOPSOIL THAT IS NOT SUITABLE FOR FILL WITHIN THE ARRAYS. THEREFORE, THE CORRECTION FACTOR PREVIOUSLY USED WITH A NET CUT OF 100 CUBIC YARDS PER ACRE OF GRADING IS NOT REQUIRED.

*ACCESS AISLE GRADES SHALL NOT EXCEED 15% IN ANY DIRECTION



SUMRALL SOLAR - GRADING REVIEW - FINAL GRADING

CONSTRUCTION AREAS/PV ARRAYS	GIVEN EARTHWORK			EVALUATION	REVISED EARTHWORK		
	TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]		TOTAL CUT [CY]	TOTAL FILL [CY]	NET [CY]
CA-09/A26N	5,700	7,200	1,500 (FILL)	UNBALANCED; ADJUSTMENT REQUIRED	6,800	6,800	0 (BALANCED)

NOTE: THESE QUANTITIES HAVE BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE 10% SHRINKAGE. HOWEVER, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR BULKING, INCOMPLETE CLEARING AND GRUBBING, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS, NOR DO THEY ACCOUNT FOR GRAVEL OR PAVEMENT SECTIONS, SLABS, SKIDS, FOOTINGS, ETC.

DESIGNED BY: WC
 CHECKED BY: DB
 KIMLEY-HORN & ASSOCIATES
 12.26.2016