

CADD FILE: W:\GIS\Solar\Gehlicher Solar America Corp\Projects\Fusion\CAD\Drawings\Site Plan\Parasitic Fusion Conditions.dwg LAYOUT: 3 EXISTING CONDITIONS PLOTTED: 6/30/2016 5:00 PM BY: rob.casals

LEGEND

- EXISTING MAJOR CONTOUR (10')
- EXISTING MINOR CONTOUR (2')
- EXISTING PROPERTY BOUNDARY
- EXISTING ABUTTING PROPERTY BOUNDARY
- EXISTING CITY LIMITS
- EXISTING TREELINE
- EXISTING ROAD
- EXISTING TRAIL
- EXISTING STREAM
- EXISTING UNPAVED ROAD
- EXISTING BUILDING
- EXISTING CONCRETE STRUCTURE
- EXISTING STONE WALL
- EXISTING SETBACK
- 100' WETLAND BUFFER
- EXISTING OVERHEAD ELECTRIC LINES
- PROJECT BOUNDARY

- EXISTING FLARED END SECTION
- EXISTING CATCH BASIN
- EXISTING STONE PILE
- EXISTING ROCK
- EXISTING UTILITY POLE
- EXISTING 100-YEAR FLOODPLAIN
- EXISTING VERNAL POOL
- EXISTING WETLAND

GENERAL NOTES

1. SURVEY PROVIDED BY FUSS AND ONEIL, INC., DATED 05/29/2015.
2. WETLAND AND STREAM DELINEATION PROVIDED BY ALL-POINTS TECHNOLOGY CORPORATION, P.C.'S ENVIRONMENTAL ASSESSMENT, DATED JULY, 2015.
3. PARCEL INFORMATION:
 - PROPERTY OWNER: HOULE, ESTELLE B & BOARDMAN GALE**
PIN: 16-06-18
DEED BOOK: 43 PAGE: 270
 - PROPERTY OWNER: RAINVILLE, ALLEN G. & CHARLOTTE M.**
PIN: 21-02-02
DEED BOOK: 25 PAGE: 323
 - PROPERTY OWNER: BAYER, RAY**
PIN: 22-01-02
DEED BOOK: 65 PAGE: 715
4. EXISTING SETBACKS:
 - FRONT: 100' (R-120), 75' (R-80)
 - SIDE: 35' (R-120), 25' (R-80)
 - BACK: 75' (R-120), 50' (R-80)
5. THE PROPERTY DOES NOT CONTAIN SPECIAL FLOOD HAZARD AREAS PER FEMA FIRM MAP PANEL NO. 09011c0068G, DATED 7/18/2011
6. NO ONSITE STREAMS OR WETLANDS WILL BE IMPACTED.

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REVISIONS				
REV	DESCRIPTION	DSN DWN	CHK APP	DATE

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SCALE VERIFICATION

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300 150 0 300
SCALE: 1 INCH = 300 FEET
ORIGINAL DRAWING SIZE IS 24 x 36

EXISTING CONDITIONS

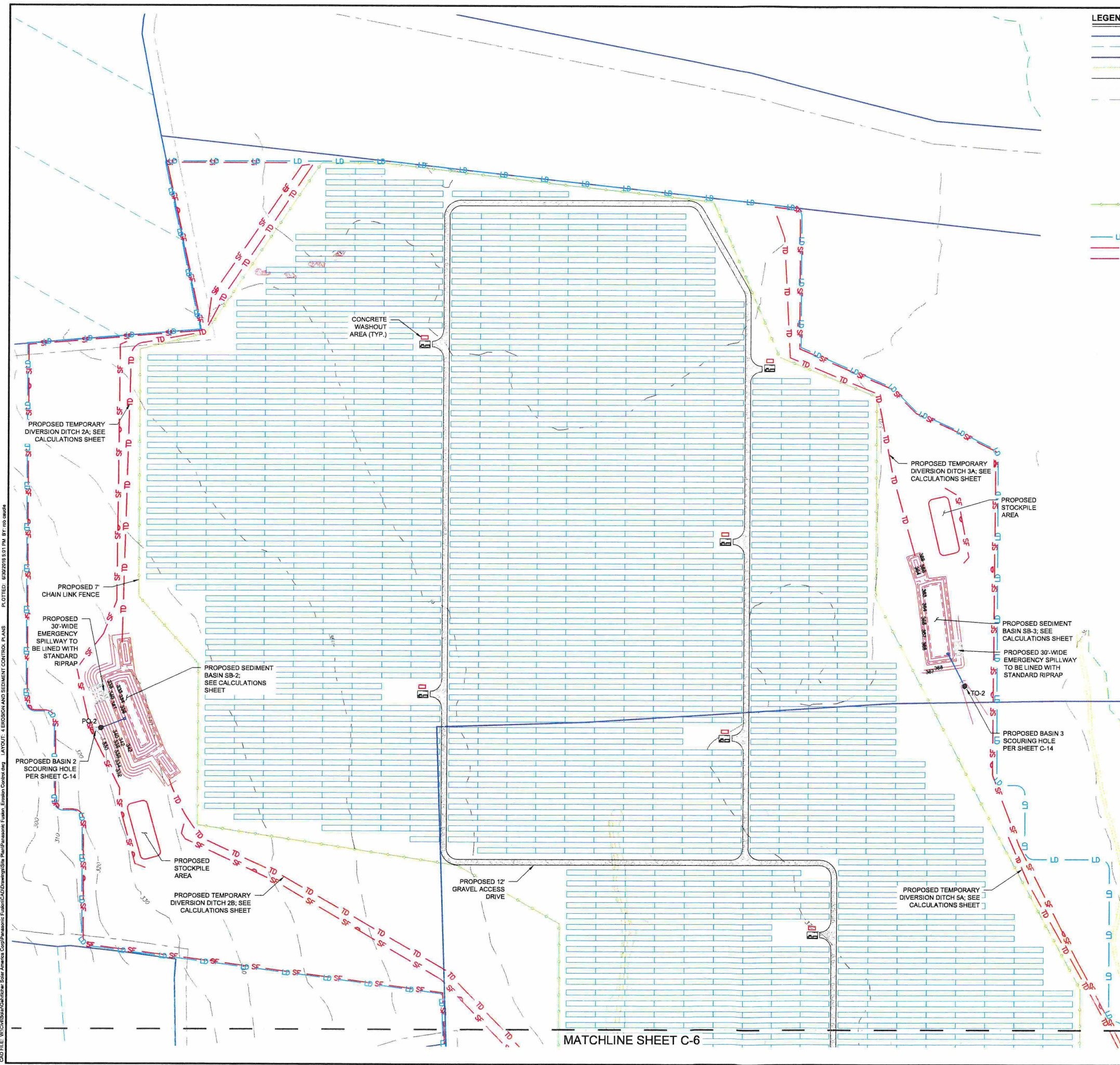
FUSION SOLAR CENTER
POTASH RD
SPRAGUE, CT 06630

GEHLICHER SOLAR AMERICA CORP.
21 FADEM ROAD
SPRINGFIELD, NJ 07081

CONSTRUCTION	
PROJECT NO.	20163850.001A
ISSUE DATE	06/30/2016
CURRENT REVISION	-
DESIGNED BY	JS
DRAWN BY	RGC
CHECKED BY	RGC
APPROVED BY	SC

C-3

CAD FILE: W:\CONTRACTS\CableNet\Solar America Corp\Parashack\Site Plan\Parashack Erosion Control.dwg LAYOUT: 4 EROSION AND SEDIMENT CONTROL PLANS PLOTTED: 6/30/2016 5:01 PM BY: rto/awards



LEGEND

- EXISTING PROPERTY BOUNDARY
- EXISTING ABUTTING PROPERTY BOUNDARY
- EXISTING CITY LIMITS
- EXISTING TREELINE
- EXISTING ROAD
- EXISTING TRAIL
- EXISTING STREAM
- EXISTING VERNAL POOL
- EXISTING WETLAND
- 100' WETLAND BUFFER
- PROPOSED SOLAR ARRAY
- PROPOSED INVERTER
- PROPOSED FENCE
- PROPOSED ACCESS DRIVE
- LD - LIMITS OF DISTURBANCE
- SF - PROPOSED SILT FENCE
- TD - PROPOSED TEMPORARY DIVERSION DITCH
- LD - PROPOSED ROCK CONSTRUCTION ENTRANCE
- PROPOSED SILT FENCE OUTLETS
- TO-8 - OUTFALL LOCATION

- EROSION CONTROL NOTES**
1. ALL LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH CT STANDARDS AND SPECIFICATIONS.
 2. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED IN PROPER WORKING CONDITION DURING THE PERIOD OF CONSTRUCTION. SKIMMER SEDIMENT BASIN SHALL BE CLEANED OUT WHEN 50% OF THE VOLUME IS FULL OF SEDIMENT. SILT FENCE IS TO BE CLEANED WHEN HALF THE FENCE IS OVERWHELMED BY SEDIMENT.
 3. PLACE SILT FENCE OUTLETS AT LOW POINTS ALONG SILT FENCE AS NECESSARY.
 4. ADDITIONAL EROSION CONTROL MEASURES AND/OR MODIFICATIONS TO PROPOSED MEASURES MAY BE NECESSARY DEPENDING ON ACTUAL SITE CONDITIONS.
 5. EROSION CONTROL DEVICES ARE TO BE INSTALLED BASED ON DETAILS PROVIDED UNDER THE APPROVED PLANS. THE PLANS AND DETAILS ARE BASED ON THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL.
 6. A RAIN GAUGE SHALL BE KEPT ON-SITE. THE CONTRACTOR SHALL INSPECT ALL E&SC MEASURES AT LEAST ONCE A WEEK AND WITHIN 24 HOURS AFTER ANY STORM EVENT THAT GENERATES A DISCHARGE. REPAIRS SHALL BE MADE TO E&SC MEASURES IMMEDIATELY. RECORD OF INSPECTIONS AND ANY CORRECTIVE ACTIONS SHALL BE KEPT ON SITE.
 7. DEDICATED DEMOLITION AND OTHER WASTE AREAS AND EARTHEN MATERIAL STOCKPILES MUST BE LOCATED AT LEAST 50' FROM STORM DRAINS OR STREAMS UNLESS NO ALTERNATIVE IS FEASIBLE.
 8. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE EROSION CONTROL INSPECTOR. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE EROSION CONTROL INSPECTOR THAT ARE NOT INDICATED ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION ON-SITE, REGARDLESS OF THE MEASURES REQUIRED. ANY CHANGE IN THE EROSION CONTROL MEASURES AND/OR GRADING SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND THE EROSION CONTROL INSPECTOR.
 9. WEATHER FORECAST SHALL BE MONITORED. THE CONTRACTOR SHALL PREPARE FOR RAIN EVENTS BY RE-EXAMINING ALL EROSION CONTROL MEASURES PRIOR TO START OF PRECIPITATION. ANY RE-ENFORCEMENT OR CORRECTIONS SHOULD BE PERFORMED AND DOCUMENTED.
 10. IF FILL MATERIAL IS TO BE BROUGHT ONTO THE PROJECT OR WASTE MATERIALS ARE TO BE TAKEN FROM THIS PROJECT, THIS INFORMATION MUST BE DISCLOSED AND SHOWN ON THE EROSION CONTROL AND GRADING PLAN. BORROW AREAS AND DUMP SITES ARE CONSIDERED TO BE PART OF THIS PROJECT AND THE OWNER IS RESPONSIBLE FOR STABILIZATION AND EROSION CONTROL MEASURES AT THESE SITES.
 11. NORTH AMERICAN GREEN S1508N EROSION CONTROL MATTING SHALL BE PLACED ON ALL SLOPES STEEPER THAN 3:1.

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 SCALE: 1 INCH = 100 FEET

ORIGINAL DRAWING SIZE IS 24 x 36

EROSION AND SEDIMENT CONTROL PLANS

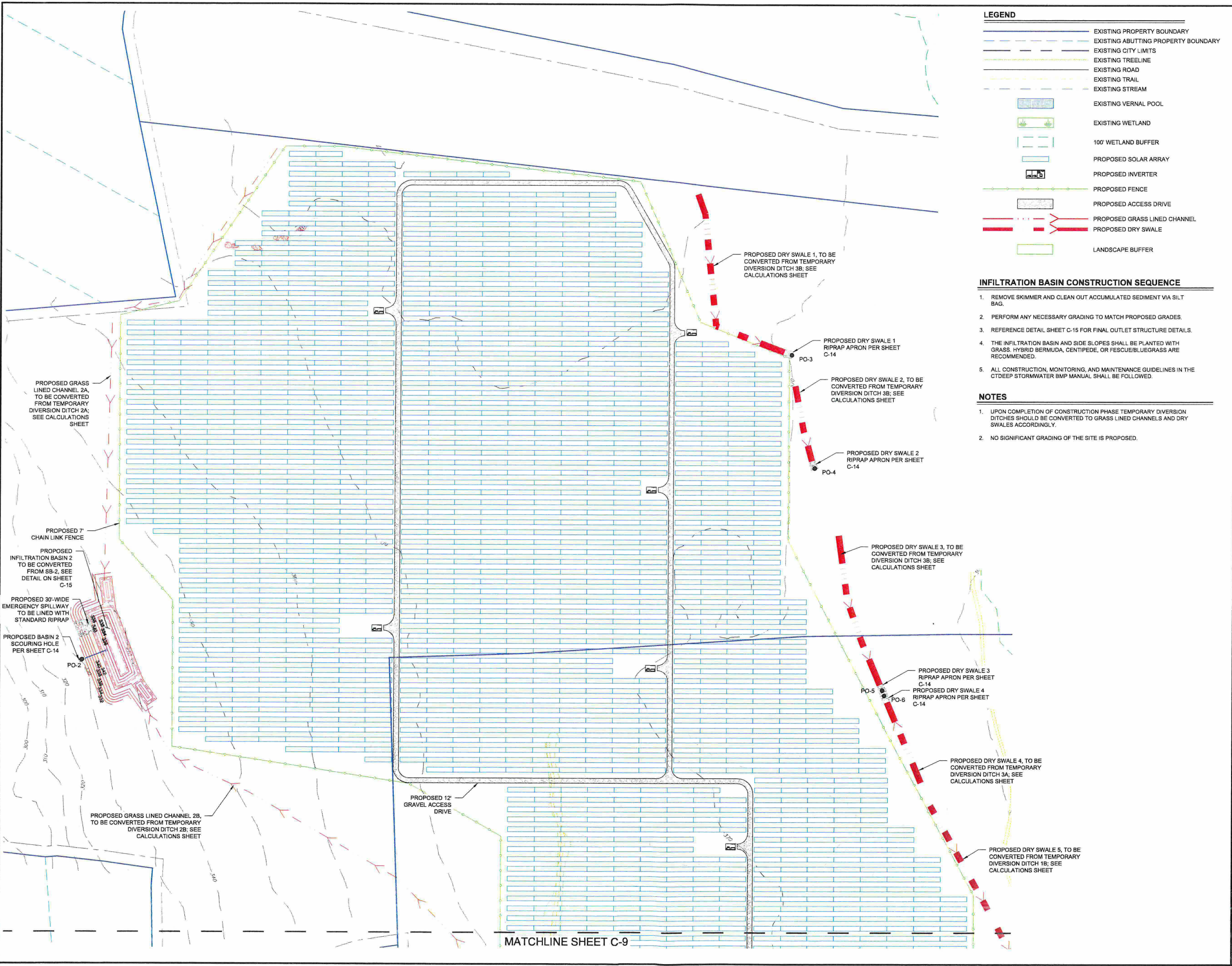
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CONSTRUCTION	
PROJECT NO. 20163850.001A	C-5
ISSUE DATE 06/30/2016	
CURRENT REVISION -	
DESIGNED BY JS	
DRAWN BY RGC	
CHECKED BY RGC	
APPROVED BY SC	SHEET 5 of 16

MATCHLINE SHEET C-6

CAD FILE: W:\GIS\Solar\Gehlicher Solar America Corp\Parashant FabricCAD\Drawings\Site Plan\Grading and Drainage.dwg LAYOUT: 8 GRADING AND DRAINAGE PLAN PLOTTED: 8/20/2016 2:02 PM BY: rob.ussler



LEGEND

- EXISTING PROPERTY BOUNDARY
- EXISTING ABUTTING PROPERTY BOUNDARY
- EXISTING CITY LIMITS
- EXISTING TREELINE
- EXISTING ROAD
- EXISTING TRAIL
- EXISTING STREAM
- EXISTING VERNAL POOL
- EXISTING WETLAND
- 100' WETLAND BUFFER
- PROPOSED SOLAR ARRAY
- PROPOSED INVERTER
- PROPOSED FENCE
- PROPOSED ACCESS DRIVE
- PROPOSED GRASS LINED CHANNEL
- PROPOSED DRY SWALE
- LANDSCAPE BUFFER

- INFILTRATION BASIN CONSTRUCTION SEQUENCE**
1. REMOVE SKIMMER AND CLEAN OUT ACCUMULATED SEDIMENT VIA SILT BAG.
 2. PERFORM ANY NECESSARY GRADING TO MATCH PROPOSED GRADES.
 3. REFERENCE DETAIL SHEET C-15 FOR FINAL OUTLET STRUCTURE DETAILS.
 4. THE INFILTRATION BASIN AND SIDE SLOPES SHALL BE PLANTED WITH GRASS. HYBRID BERMUDA, CENTIPEDE, OR FESCUE/BUEGRASS ARE RECOMMENDED.
 5. ALL CONSTRUCTION, MONITORING, AND MAINTENANCE GUIDELINES IN THE CTDEEP STORMWATER BMP MANUAL SHALL BE FOLLOWED.

- NOTES**
1. UPON COMPLETION OF CONSTRUCTION PHASE TEMPORARY DIVERSION DITCHES SHOULD BE CONVERTED TO GRASS LINED CHANNELS AND DRY SWALES ACCORDINGLY.
 2. NO SIGNIFICANT GRADING OF THE SITE IS PROPOSED.

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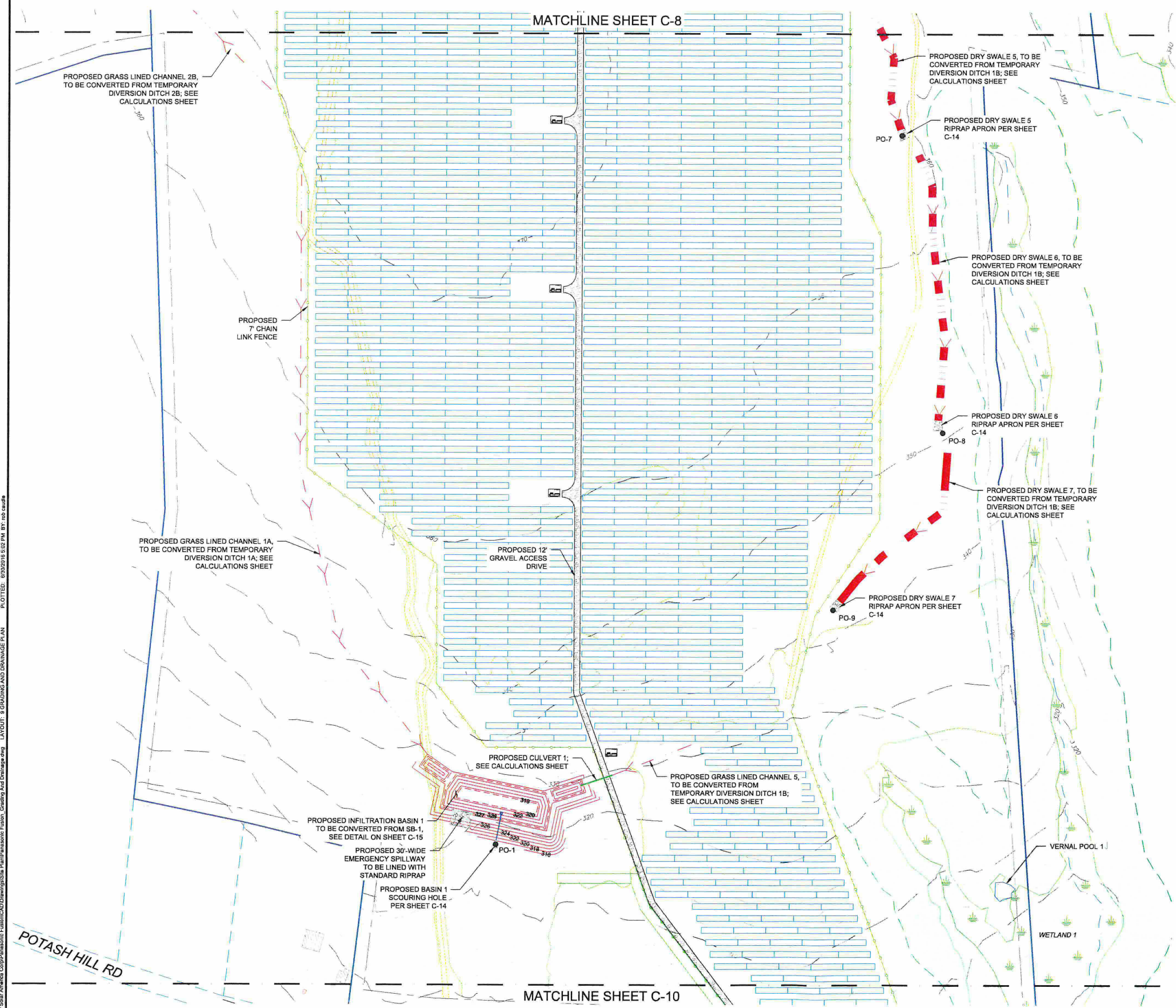
GRADING AND DRAINAGE PLAN

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CONSTRUCTION	
PROJECT NO. 20163850.001A	C-8
ISSUE DATE 06/30/2016	
CURRENT REVISION -	
DESIGNED BY JS	
DRAWN BY RGC	
CHECKED BY RGC	
APPROVED BY SC	SHEET 8 of 16

CAD FILE: W:\CHM\Solar\Gehlicher Solar America Corp\Parametric Fusion\CAD\Drawings\Site Plan\Parametric Fusion - Grading And Drainage.dwg LAYOUT: 8 GRADING AND DRAINAGE PLAN PLOTTED: 05/20/2016 5:02 PM BY: rob.casale



LEGEND

- EXISTING PROPERTY BOUNDARY
- EXISTING ABUTTING PROPERTY BOUNDARY
- EXISTING CITY LIMITS
- EXISTING TREELINE
- EXISTING ROAD
- EXISTING TRAIL
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- PROPOSED FENCE
- PROPOSED ACCESS DRIVE
- PROPOSED GRASS LINED CHANNEL
- PROPOSED DRY SWALE
- LANDSCAPE BUFFER
- OFFFALL LOCATION

- INFILTRATION BASIN CONSTRUCTION SEQUENCE**
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- NOTES**
1. UPON COMPLETION OF CONSTRUCTION PHASE TEMPORARY DIVERSION DITCHES SHOULD BE CONVERTED TO GRASS LINED CHANNELS AND DRY SWALES ACCORDINGLY.
 2. NO SIGNIFICANT GRADING OF THE SITE IS PROPOSED.

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GRADING AND DRAINAGE PLAN

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CONSTRUCTION	
PROJECT NO.	20163850.001A
ISSUE DATE	06/30/2016
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APPROVED BY	SC

C-9

9 of 16

CAD FILE: W:\C\GIS\Solar\Gehlicher Solar America Corp\Passaic\Site Plan\Passaic\Fusion\CAD\Drawings\Site Plan\Grading And Drainage.dwg LAYOUT: 10 GRADING AND DRAINAGE PLAN PLOTTED: 03/30/2018 5:02 PM BY: rob_caulfield



LEGEND

- EXISTING PROPERTY BOUNDARY
- EXISTING ABUTTING PROPERTY BOUNDARY
- EXISTING CITY LIMITS
- EXISTING TREELINE
- EXISTING ROAD
- EXISTING TRAIL
- EXISTING STREAM
- EXISTING VERNAL POOL
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2. NO SIGNIFICANT GRADING OF THE SITE IS PROPOSED.

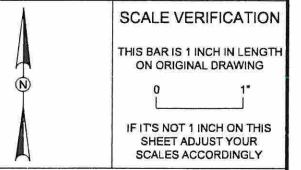


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GRADING AND DRAINAGE PLAN

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CONSTRUCTION

PROJECT NO.	20163850.001A	C-10
ISSUE DATE	06/30/2016	
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APPROVED BY	SC	

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REV	DESCRIPTION	DSN	CHK	DATE

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ORIGINAL DRAWING SIZE IS 24 x 36

LANDSCAPE BUFFER PLAN
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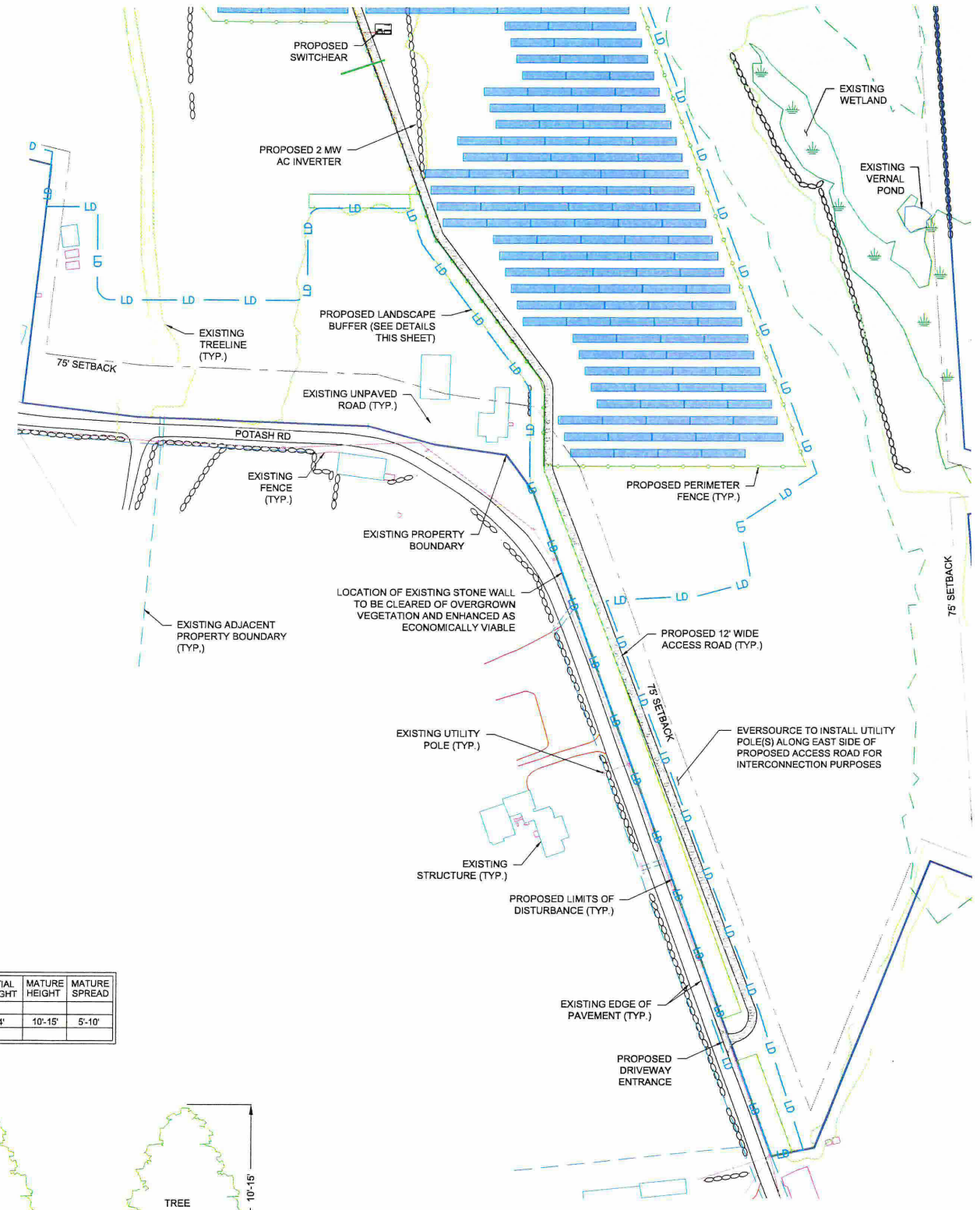
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PROJECT NO.	20163850.001A
ISSUE DATE	06/30/2016
CURRENT REVISION	-
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APPROVED BY	SC

C-11

SHEET 11 of 16

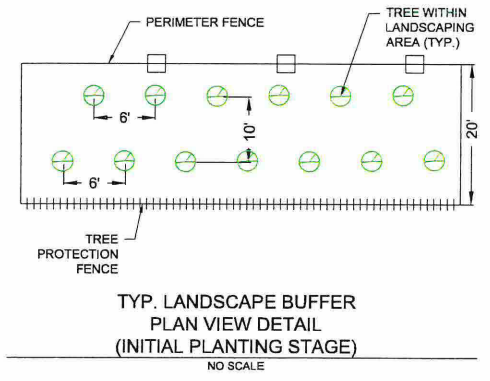
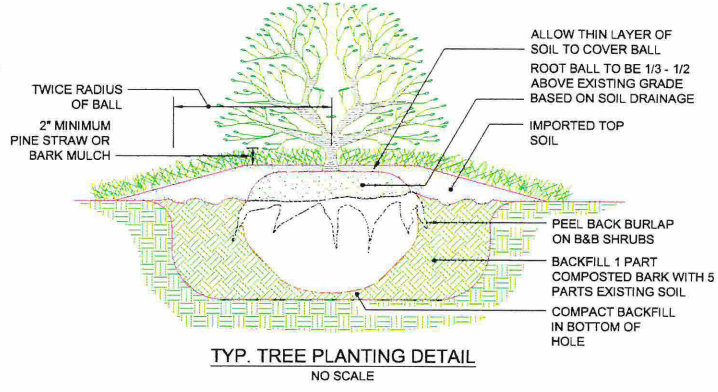
GENERAL NOTES

1. SURVEY PROVIDED BY FUSS AND ONEIL, INC., DATED 05/29/2015.
2. PARCEL INFORMATION:
PROPERTY OWNER: RAINVILLE, ALLEN G & CHARLOTTE M
PROPERTY ID: 21-02-02
3. EXISTING STONE WALL ADJACENT TO POTASH RD SHALL BE ENHANCED AS ECONOMICALLY VIABLE.



LEGEND

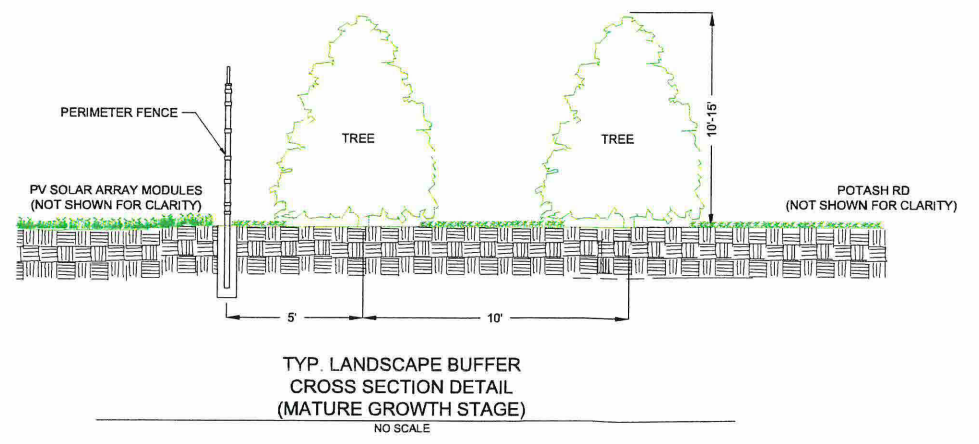
- EXISTING PROPERTY BOUNDARY
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- EXISTING WETLAND
- 100' WETLAND BUFFER
- PROPOSED SOLAR ARRAY
- PROPOSED INVERTER
- PROPOSED FENCE
- PROPOSED ACCESS DRIVE
- LIMITS OF DISTURBANCE
- PROPOSED LANDSCAPING BUFFER
- EXISTING DECIDUOUS TREE
- EXISTING UTILITY POLE
- EXISTING POST



PLANTING SCHEDULE

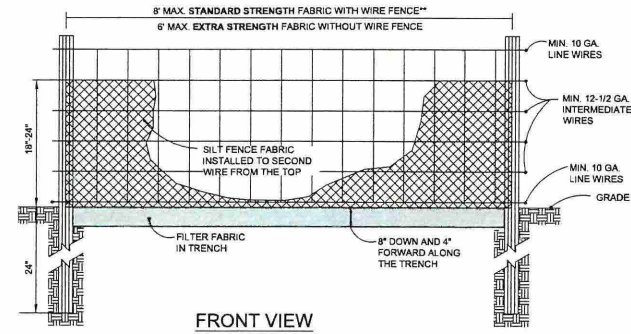
QUA.	BOTANICAL NAME	COMMON NAME	INITIAL HEIGHT	MATURE HEIGHT	MATURE SPREAD
525	LLEX 'NELLIE R. STEVENS'*	NELLIE STEVENS HOLLY	4'	10'-15'	5'-10'

*TREES USED TO CREATE LANDSCAPE BUFFER SHALL REACH A MINIMUM HEIGHT OF 8 FEET WITHIN 2-3 YEARS OF PLANTING.



- TREE PROTECTION PLAN:**
1. PERIMETER FENCE ADJACENT TO LANDSCAPE BUFFER SHALL BE INSTALLED PRIOR TO PLANTING ANY TREES.
 2. LANDSCAPE BUFFER SHALL BE ENCLOSED WITH ORANGE TREE PROTECTION FENCING ONCE THE TREES HAVE BEEN PLANTED.
- NOTES:**
1. ALL TREE/EVERGREEN BEDS SHALL BE RAISED 6" - 8" ABOVE ADJACENT GRADE, AND TILLED WITH SOIL CONDITIONER.
 2. TOTAL LENGTH OF PROPOSED LANDSCAPE BUFFER: 1025'

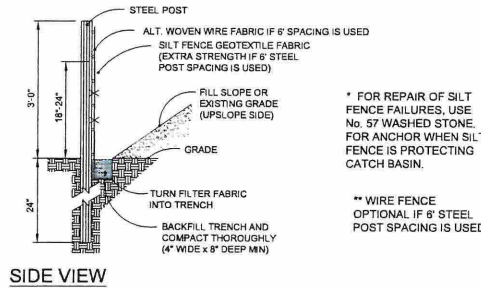
CAD FILE: W:\Clients\Gehrlicher Solar America Corp\Parametric Fusion\CAD\Drawings\Site Plan\Parametric Fusion_Screening Plan.dwg LAYOUT: 11 LANDSCAPE BUFFER PLAN PLOTTED: 6/30/2016 5:03 PM BY: rob.ouadi



FRONT VIEW

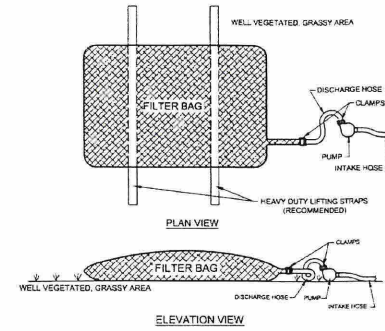
NOTES:

- USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
- END OF SILT FENCE NEEDS TO BE TURNED UPHILL.
- INSPECT SILT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
- REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



SIDE VIEW

TEMPORARY SILT FENCE
NO SCALE



ELEVATION VIEW

Low volume filter bags shall be made from non-woven geotextile material sewn with high strength, double stitched "J" type seams. They shall be capable of trapping particles larger than 150 microns. High volume filter bags shall be made from woven geotextiles that meet the following standards:

Property	Test Method	Minimum Standard
Avg. Wide Width Strength	ASTM D-4884	60 lb/in
Grab Tensile	ASTM D-4632	205 lb
Puncture	ASTM D-4833	110 lb
Mullen Burst	ASTM D-3786	350 psi
UV Resistance	ASTM D-4355	70%
AOS % Retained	ASTM D-4751	80 Sieve

A suitable means of accessing the bag with machinery required for disposal purposes shall be provided. Filter bags shall be replaced when they become 1/2 full of sediment. Spare bags shall be kept available for replacement of those that have failed or are filled. Bags shall be placed on straps to facilitate removal unless bags come with lifting straps already attached.

Bags shall be located in well-vegetated (grassy) area, and discharge onto stable, erosion resistant areas. Where this is not possible, a geotextile underlayment and flow path shall be provided. Bags may be placed on filter stone to increase discharge capacity. Bags shall not be placed on slopes greater than 5%. For slopes exceeding 5%, clean rock or other non-erodible and non-polluting material may be placed under the bag to reduce slope steepness.

No downslope sediment barrier is required for most installations. Compost berm or compost filter sock shall be installed below bags located in HQ or EV watersheds, within 50 feet of any receiving surface water or where grassy area is not available.

The pump discharge hose shall be inserted into the bags in the manner specified by the manufacturer and securely clamped. A piece of PVC pipe is recommended for this purpose.

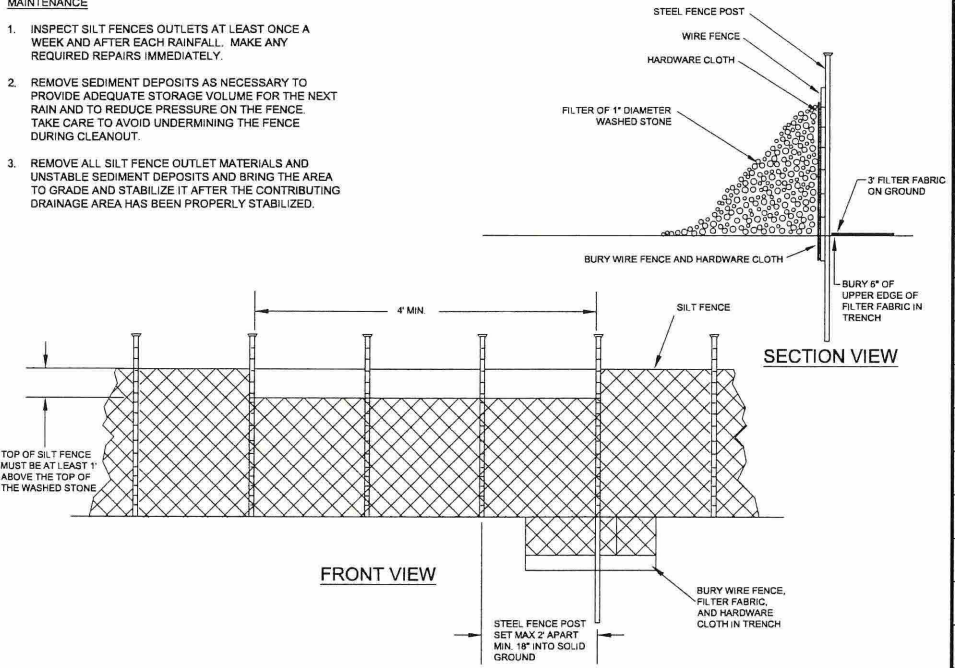
The pumping rate shall be no greater than 750 gpm or 1/2 the maximum specified by the manufacturer, whichever is less. Pump intakes shall be floating and screened.

Filter bags shall be inspected daily. If any problem is detected, pumping shall cease immediately and not resume until the problem is corrected.

DEWATERING BAG
NO SCALE

MAINTENANCE

- INSPECT SILT FENCE OUTLETS AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
- REMOVE ALL SILT FENCE OUTLET MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



FRONT VIEW

SECTION VIEW

SILT FENCE OUTLET
NO SCALE

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DETAILS

FUSION SOLAR CENTER
POTASH RD
SPRAGUE, CT 06630



GEHRLICHER SOLAR AMERICA CORP.
21 FADEM ROAD
SPRINGFIELD, NJ 07081

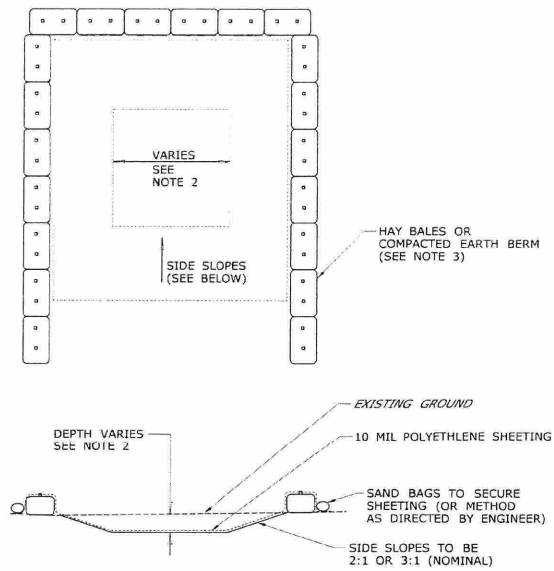
CONSTRUCTION

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DESIGNED BY	JS
DRAWN BY	RGC
CHECKED BY	RGC
APPROVED BY	SC

C-12

NOTES

- CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.
- DESIGN, LOCATION AND SIZING OF THE CONCRETE WASHOUT AREA(S) TO BE SUBMITTED WITH THE PROJECT'S EROSION AND SEDIMENTATION CONTROL PLAN AND SHALL BE APPROVED BY THE ENGINEER.
LOCATION: WASHOUT AREA(S) ARE TO BE LOCATED AT LEAST 50 FEET FROM ANY STREAM, WETLAND, STORM DRAINS, OR OTHER SENSITIVE RESOURCE. THE FLOOD CONTINGENCY PLAN MUST ADDRESS THE CONCRETE WASHOUT IF THE WASHOUT IS TO BE LOCATED WITHIN THE FLOODPLAIN.
SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
- SURFACE DISCHARGE IS UNACCEPTABLE. THEREFORE, HAY BALES OR OTHER CONTROL MEASURES, AS APPROVED BY THE ENGINEER, SHOULD BE USED AROUND THE PERIMETER OF THE CONCRETE WASHOUT AREA FOR CONTAINMENT.
- SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING OR OTHER APPROVED METHOD.
- WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND TO CHECK FOR LEAKS, TEARS, OR OVERFLOWS. (AS REQUIRED BY THE CONSTRUCTION SITE ENVIRONMENTAL INSPECTION REPORT) WASHOUT AREA(S) SHOULD BE CHECKED AFTER HEAVY RAINS.
- HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S HEIGHT. DISPOSAL OF THE WASTE SHOULD BE AT AN UPLAND LOCATION, AS APPROVED BY THE ENGINEER.
- PAYMENT FOR THIS ITEM IS TO BE INCLUDED UNDER THE GENERAL COST OF THE WORK FOR THE PROJECT.

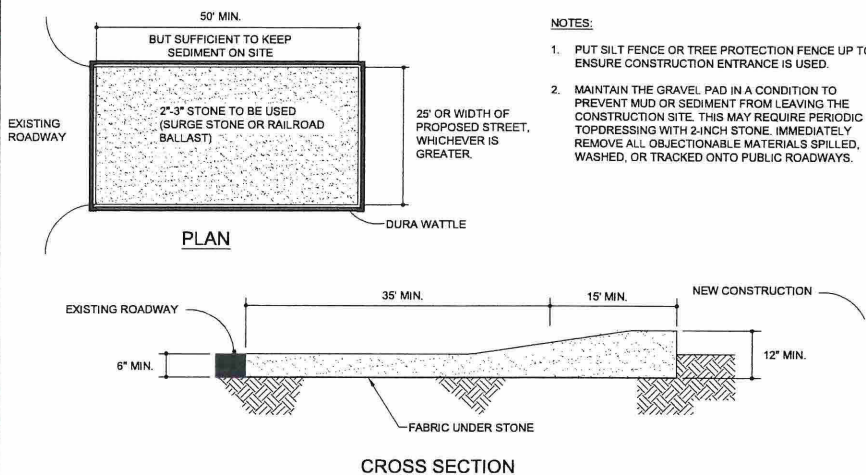


CONCRETE WASHOUT AREA

NOT TO SCALE

CONCRETE WASHOUT DETAIL
NO SCALE

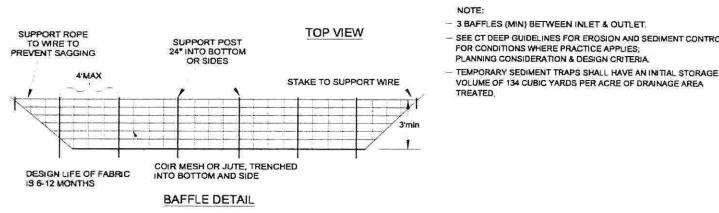
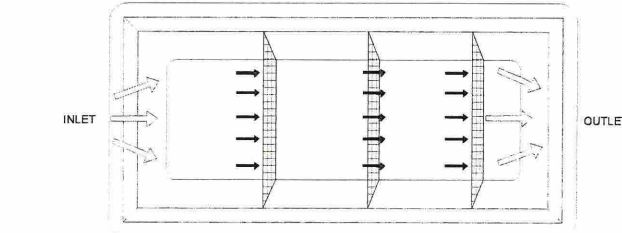
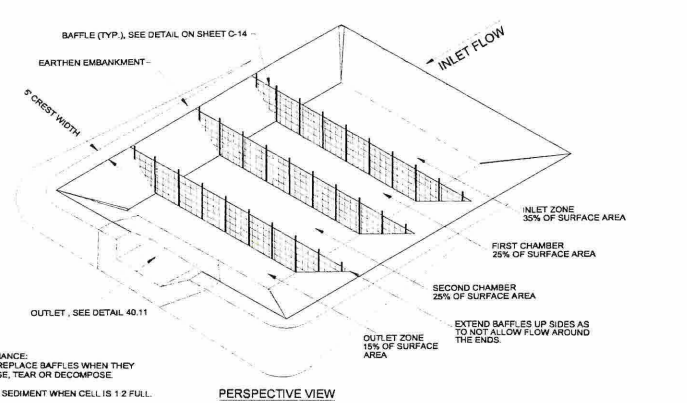
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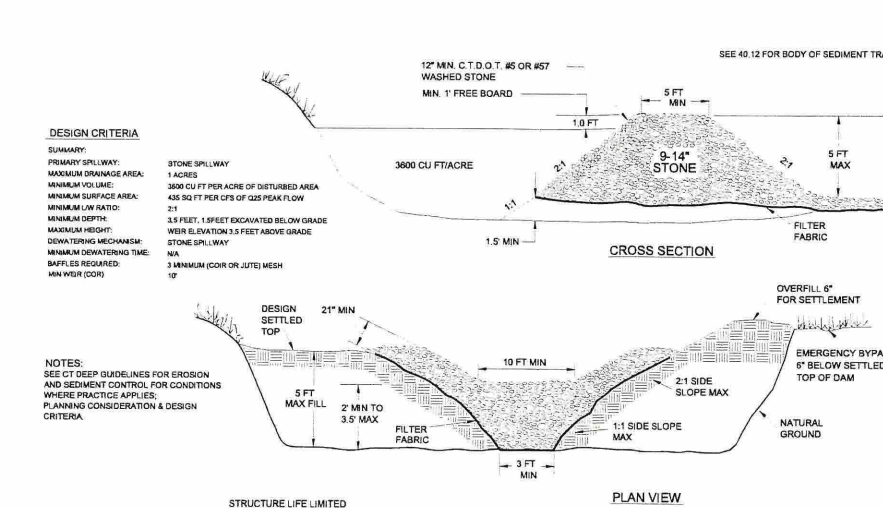
NOTES:

- PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
- MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH 2-INCH STONE. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

STANDARD CONSTRUCTION ENTRANCE
NO SCALE

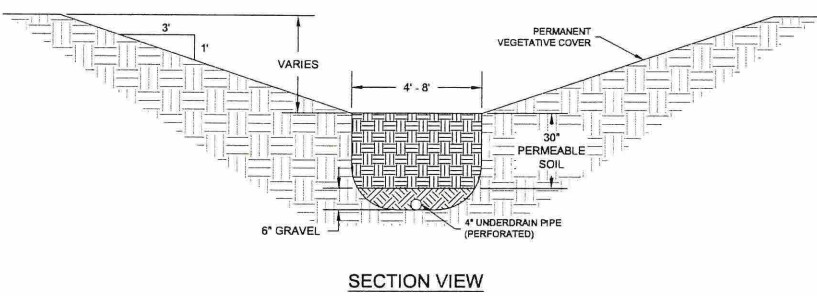
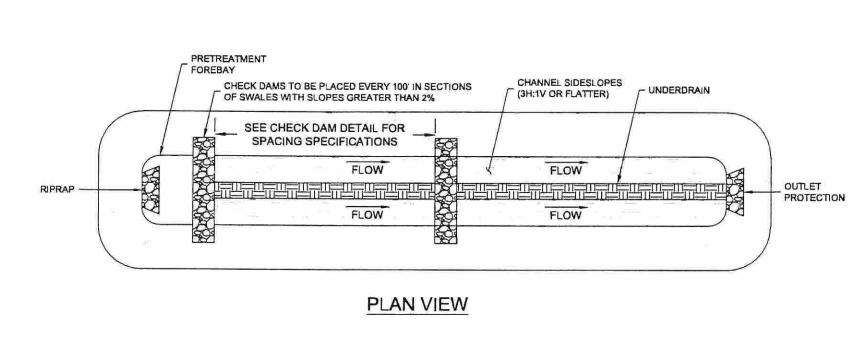


TEMPORARY SEDIMENT TRAP
NO SCALE



- DESIGN CRITERIA**
- STONE SPILLWAY: 3600 CU FT PER ACRE OF DISTURBED AREA
 - MAXIMUM DRAINAGE AREA: 1 ACRE
 - MINIMUM TO LIME: 435 SQ FT PER CFS OF Q15 PEAK FLOW
 - MINIMUM SURFACE AREA: 2:1
 - MINIMUM SLOPE: 2:1
 - MINIMUM DEPTH: 1.5 FEET, 1.5 FEET OR GREATER BELOW GRADE
 - MINIMUM HEIGHT: W/WR ELEVATION 3.5 FEET ABOVE GRADE
 - STONE SPILLWAY: 3/4\"/>
- NOTES:**
SEE CT DEEP GUIDELINES FOR EROSION AND SEDIMENT CONTROL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA.
- MAINTENANCE:**
- REMOVE SEDIMENT AND RESTORE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA AND REPLACE THE CONTAMINATED PART OF THE GRAVEL FACING.
 - CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING.
 - PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FT BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SUFFICIENCY ABOVE DESIGN GRADE.
- STRUCTURE LIFE LIMITED TO 2 YEARS.
- ANY RIP RAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

TEMPORARY SEDIMENT TRAP OUTLET DETAIL
NO SCALE



- MAINTENANCE:**
- INSPECT SWALES SEVERAL TIMES DURING THE FIRST FEW MONTHS TO ENSURE THAT GRASS COVER IS ESTABLISHED. INSPECT SWALES SEMI-ANNUALLY FOR THE REMAINDER OF THE FIRST YEAR AND AFTER MAJOR STORM EVENTS. ANNUAL INSPECTIONS ARE SUFFICIENT AFTER THE FIRST YEAR.
- THE INITIAL SEDIMENT FOREBAY SHOULD BE INSPECTED ANNUALLY FOR CLOGGING AND SEDIMENT BUILDUP. SEDIMENT BUILDUP SHOULD BE REMOVED WHEN APPROXIMATELY 25 PERCENT OF THE WATER QUALITY VOLUME OR CHANNEL CAPACITY HAS BEEN EXCEEDED. EXCESSIVE TRASH AND DEBRIS SHOULD BE REMOVED AND DISPOSED OF IN AN APPROPRIATE LOCATION.
- THE VEGETATION ALONG THE SWALE BOTTOM AND SIDE SLOPES SHOULD BE INSPECTED FOR EROSION AND REPAIRED (SEED OR SOUDED), AS NECESSARY.
- GRASS SHOULD BE MOWED ON A REGULAR BASIS, BUT AT LEAST ONCE PER YEAR. DRY SWALES SHOULD BE MOWED AS REQUIRED TO MAINTAIN GRASS HEIGHTS OF 4 TO 5 INCHES DURING THE GROWING SEASON. WET SWALES, WHICH TYPICALLY INCORPORATE WETLAND VEGETATION, REQUIRE LESS FREQUENT MOWING TO AVOID THE CREATION OF FRUITS AND COMPACTION, WHICH CAN REDUCE INFILTRATION AND LEAD TO POOR DRAINAGE. MOWING SHOULD NOT BE PERFORMED WHEN THE GROUND IS SOFT.

DRY SWALE DETAIL
NO SCALE

REVISIONS				
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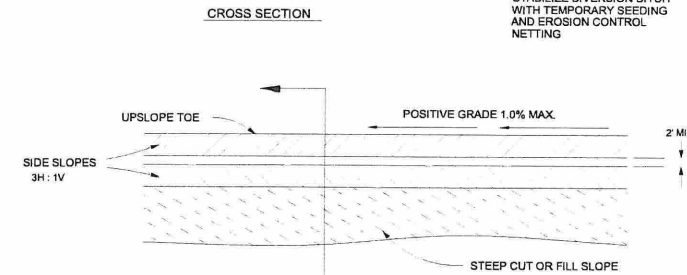
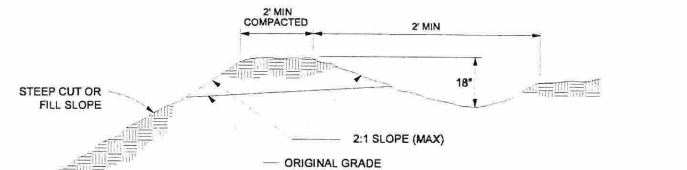
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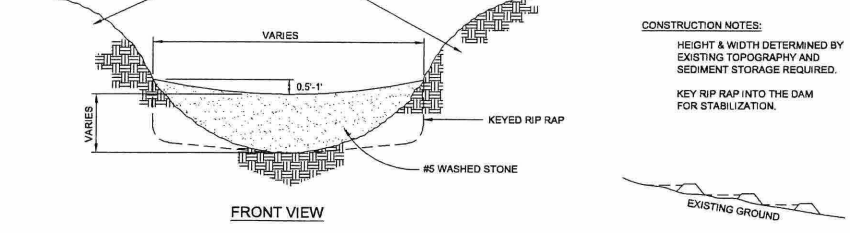
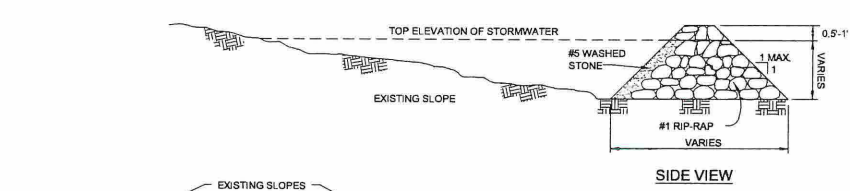
0 1'

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY



- MAINTENANCE:**
- INSPECT TEMPORARY DIVERSIONS AT LEAST WEEKLY AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION DITCH. ENSURE SIDE DRAINAGE AREAS ARE VEGETATED, AND THAT WATER DOES NOT FLOW DIRECTLY INTO STREAMS, LAKES, OR WETLANDS. CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED.
- NOTES:**
- REMOVE AND PROPERLY DISPOSE OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIAL.
 - ENSURE THAT THE MINIMUM CONSTRUCTED CROSS SECTION MEETS ALL DESIGN REQUIREMENTS.
 - PROVIDE SUFFICIENT ROOM AROUND DIVERSIONS TO PERMIT MACHINE REGRADING AND CLEANOUT.
 - CHANNEL TO BE LINED WITH LINER LISTED IN TABLE ON SHEET C-19 AND ROCK CHECK DAMS ARE TO BE UTILIZED ACCORDING TO THE ROCK CHECK DAM DETAIL ON THIS SHEET.
 - UPON COMPLETION OF CONSTRUCTION, DIVERSION DITCH SHOULD HAVE COMPLETED CONVERSION TO GRASS LINED CHANNEL VIA PERMANENT VEGETATIVE STABILIZATION. SEE THE PERMANENT SEEDING SCHEDULE ON THIS SHEET.

TEMPORARY DIVERSION DITCH / GRASS LINED CHANNEL
NO SCALE



- CONSTRUCTION NOTES:**
- HEIGHT & WIDTH DETERMINED BY EXISTING TOPOGRAPHY AND SEDIMENT STORAGE REQUIRED.
 - KEY RIP RAP INTO THE DAM FOR STABILIZATION.
- NOTE:** REMOVE SEDIMENT ACCUMULATION FROM BEHIND CHECK DAMS TO PREVENT DAMAGE TO CHANNEL VEGETATION. FLOW SHOULD BE MAINTAINED THROUGH THE DAM.
- MAINTENANCE:**
- DURING CONSTRUCTION INSPECT CHECK DAMS AND CHANNELS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL EVENT AND REPAIR IMMEDIATELY. CLEAN OUT SEDIMENT, STRAW, LIMBS, OR OTHER DEBRIS THAT COULD CLOG THE CHANNEL WHEN NEEDED. ANTICIPATE SUBMERGENCE AND DEPOSITION ABOVE THE CHECK DAM AND EROSION FROM HIGH FLOWS AROUND THE EDGES OF THE DAM. CORRECT ALL DAMAGE IMMEDIATELY. IF SIGNIFICANT EROSION OCCURS BETWEEN DAMS, ADDITIONAL MEASURES CAN BE TAKEN SUCH AS, INSTALLING A PROTECTIVE RIPRAP LINER IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO PREVENT DAMAGE TO CHANNEL VEGETATION, ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM, AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. ADD STONES TO DAMS AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION.

ROCK CHECK DAM
NO SCALE

ORIGINAL DRAWING SIZE IS 24 x 36

DETAILS

FUSION SOLAR CENTER
POTASH RD
SPRAGUE, CT 06830

Gehrlicher Solar

GHEHLICHER SOLAR AMERICA CORP.
21 FADEM ROAD
SPRINGFIELD, NJ 07081

CONSTRUCTION

PROJECT NO. 20163850.001A
ISSUE DATE 06/30/2016
CURRENT REVISION -
DESIGNED BY JS
DRAWN BY RGC
CHECKED BY RGC
APPROVED BY SC

C-13

SHEET 13 OF 16

CAD FILE: W:\Client\Solar\Gehrlicher Solar America Corp\Pasausonic Fusion\CAO\Drawings\Site Plans\Pasausonic Fusion Erosion Control.dwg LAYOUT: 13 DETAILS PLOTTED: 6/30/2016 5:03 PM BY: rob.mauldin

REVISIONS				
REV	DESCRIPTION	DSN	CHK	DATE

ISSUED FOR PERMITTING

SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING
0 1"
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 24 x 36

DETAILS

FUSION SOLAR CENTER
POTASH RD
SPRAGUE, CT 06630

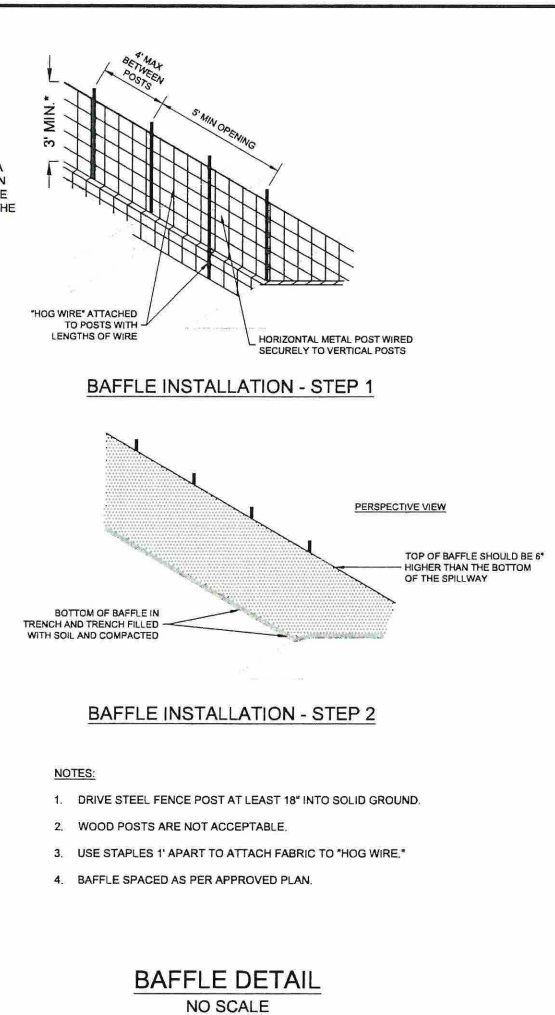


GEHRLICHER SOLAR AMERICA CORP.
21 FADEM ROAD
SPRINGFIELD, NJ 07081

CONSTRUCTION

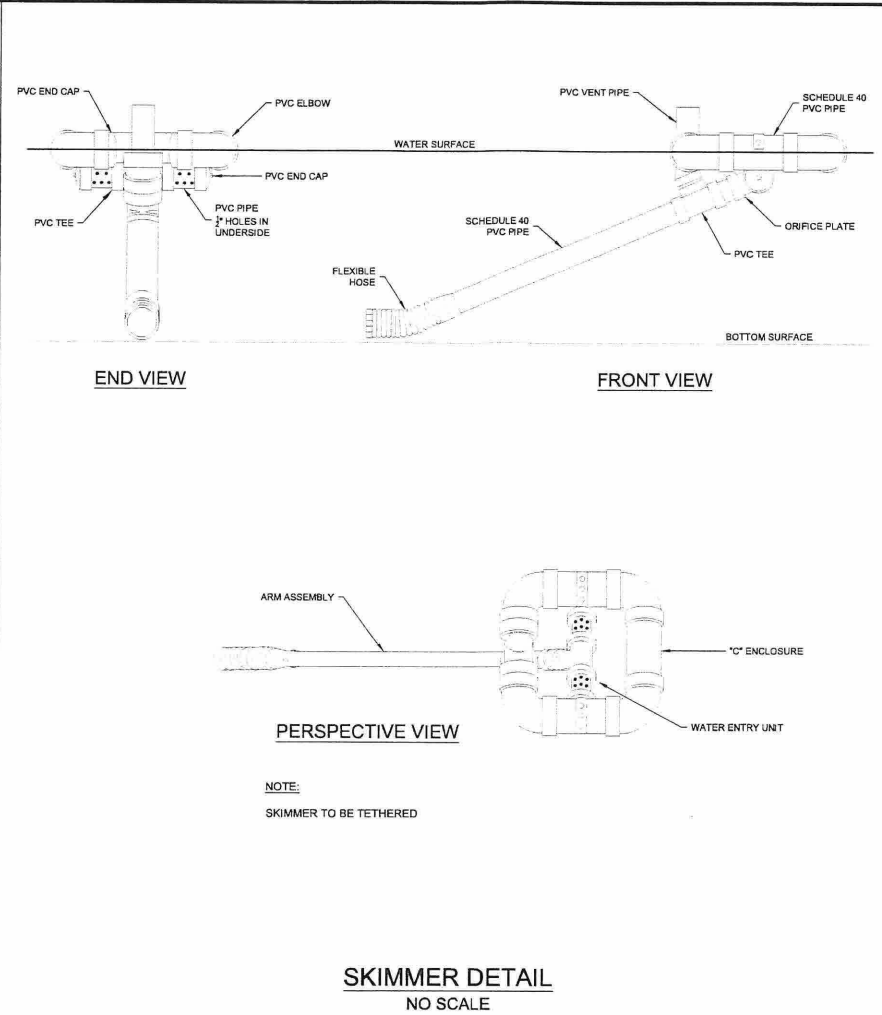
PROJECT NO.	20163850.001A
ISSUE DATE	06/30/2016
CURRENT REVISION	-
DESIGNED BY	JS
DRAWN BY	RGC
CHECKED BY	RGC
APPROVED BY	SC

C-15

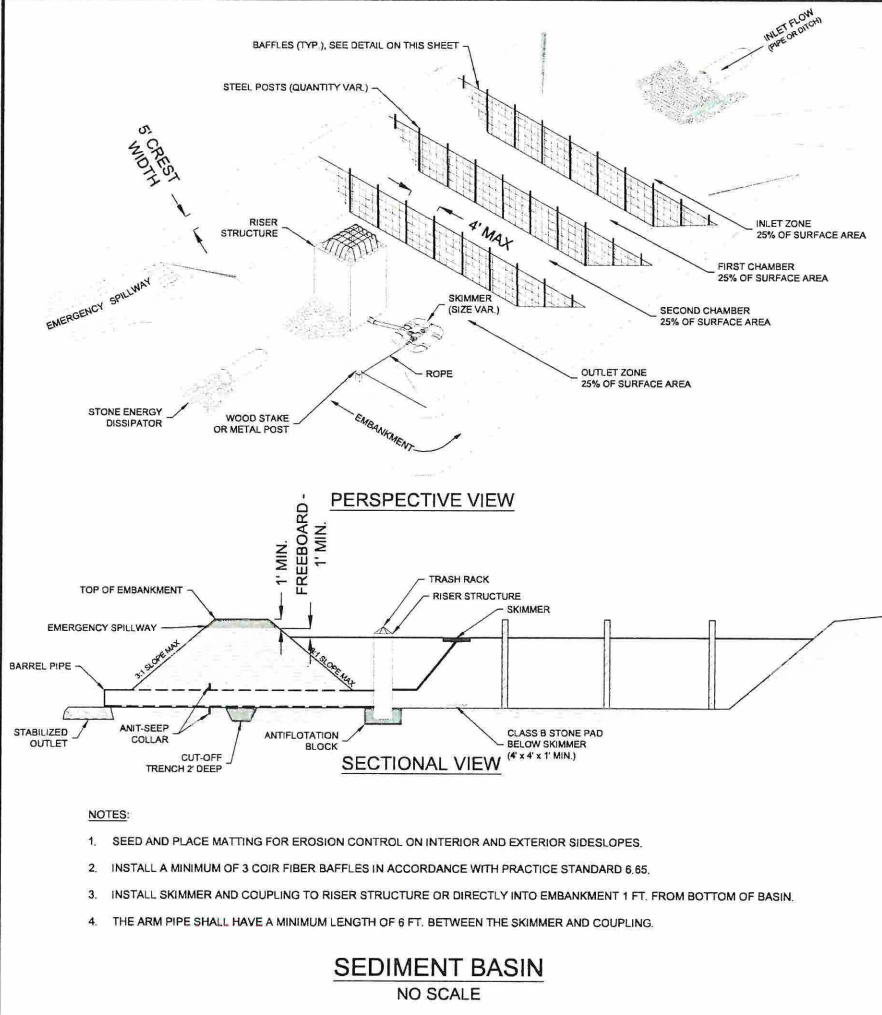


*IF THE TEMPORARY SEDIMENT BASIN WILL BE CONVERTED TO A PERMANENT INFILTRATION BASIN OF GREATER DEPTH, THE BAFFLE HEIGHT SHOULD BE BASED ON THE POOL DEPTH DURING USE AS A TEMPORARY SEDIMENT BASIN.

- NOTES:**
1. DRIVE STEEL FENCE POST AT LEAST 18" INTO SOLID GROUND.
 2. WOOD POSTS ARE NOT ACCEPTABLE.
 3. USE STAPLES 1" APART TO ATTACH FABRIC TO "HOG WIRE."
 4. BAFFLE SPACED AS PER APPROVED PLAN.



NOTE:
SKIMMER TO BE TETHERED



- NOTES:**
1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
 2. INSTALL A MINIMUM OF 3 COIR FIBER BAFFLES IN ACCORDANCE WITH PRACTICE STANDARD 6.65.
 3. INSTALL SKIMMER AND COUPLING TO RISER STRUCTURE OR DIRECTLY INTO EMBANKMENT 1 FT. FROM BOTTOM OF BASIN.
 4. THE ARM PIPE SHALL HAVE A MINIMUM LENGTH OF 6 FT. BETWEEN THE SKIMMER AND COUPLING.

SEDIMENT BASIN
NO SCALE

SKIMMER DETAIL
NO SCALE

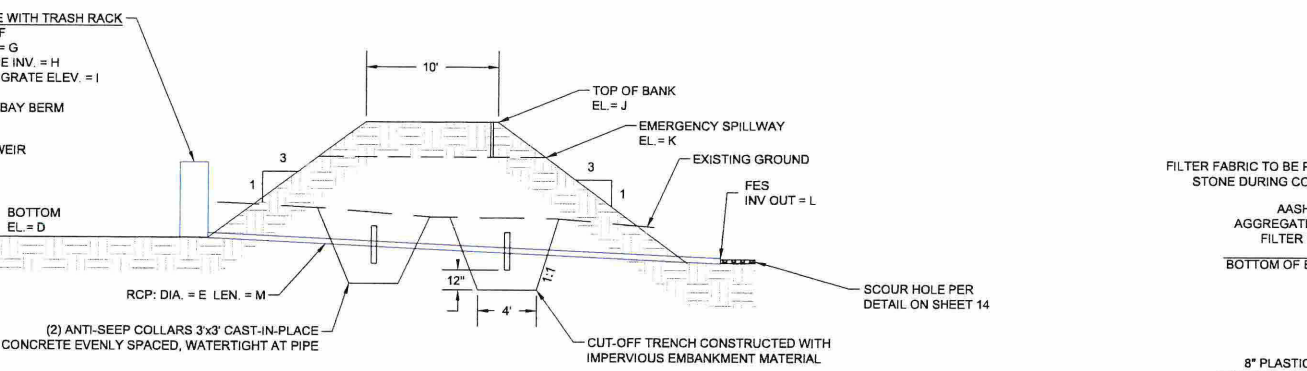
BAFFLE DETAIL
NO SCALE

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- NOTES:**
1. SEDIMENT BASINS SB-1 AND SB-2 ARE TO BE CONVERTED FROM TEMPORARY SEDIMENT BASINS TO PERMANENT INFILTRATION BASINS.
 2. INFILTRATION BASIN CUT/FILL SLOPES SHALL BE AT 3H:1V UNLESS OTHERWISE NOTED.
 3. A 8" GATE VALVE IS PROVIDED IN THE DETENTION BASIN RISER STRUCTURE FOR MANUAL DEWATERING. IF PONDING IS OBSERVED FOR UP TO 72 HOURS, A REPRESENTATIVE OF THE FACILITY OPERATOR SHALL MANUALLY OPEN VALVE TO DEWATER BASIN. THE INLET WILL BE ROUTINELY INSPECTED FOR SIGNS OF CLOGGING AND EROSION, AND STONE WILL BE REPLACED IF NEEDED. REGRADING MAY ALSO BE REQUIRED WHEN POOLS OF STANDING WATER ARE OBSERVED IN THE BASIN AND NOT ABLE TO BE DEWATERED BY THE MANUAL VALVE.

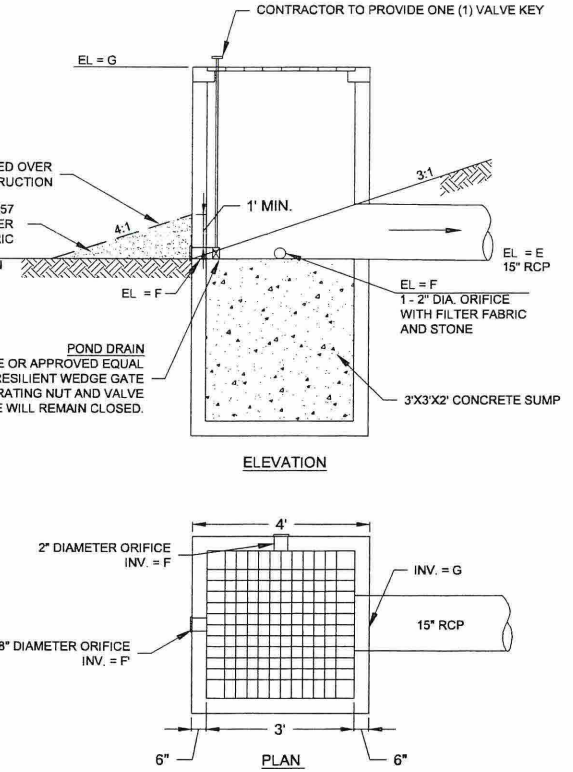
INFILTRATION BASIN CONSTRUCTION SEQUENCE

1. REMOVE SKIMMER AND CLEAN OUT ACCUMULATED SEDIMENT VIA SLT BAG.
2. PERFORM ANY NECESSARY GRADING TO MATCH PROPOSED GRADES.
3. REFERENCE THIS DETAIL FOR FINAL OUTLET STRUCTURE DETAILS.
4. THE INFILTRATION BASIN AND SIDE SLOPES SHALL BE PLANTED WITH GRASS. HYBRID BERMUDA, CENTIPEDE, OR FESCUE/BLUEGRASS ARE RECOMMENDED.
5. ALL CONSTRUCTION, MONITORING, AND MAINTENANCE GUIDELINES IN THE CTDEEP STORMWATER BMP MANUAL SHALL BE FOLLOWED.



	DIMENSIONS												
	A	B	C	D	E	F	G	H	I	J	K	L	M
SB-1	324'	328'	327'	319'	36"	319'	319'	323.1	326	328'	327'	318'	53 LF
SB-2	338'	342'	341'	333'	48"	333'	333'	336.9	339	342'	341'	332'	53 LF
TEMP SB-3	364'	367'	366'	363'	36"	363'	363'	N/A	366'	368'	367'	362.5'	70 LF
TEMP SB-4	344'	347'	346'	339'	36"	339'	339'	N/A	346'	348'	347'	338'	60 LF

INFILTRATION BASIN
NO SCALE





Equipment Elevations & Foundation and Trenching Plans

Excerpted from Building Permit Drawings



M+W GROUP

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Professional Engineer:

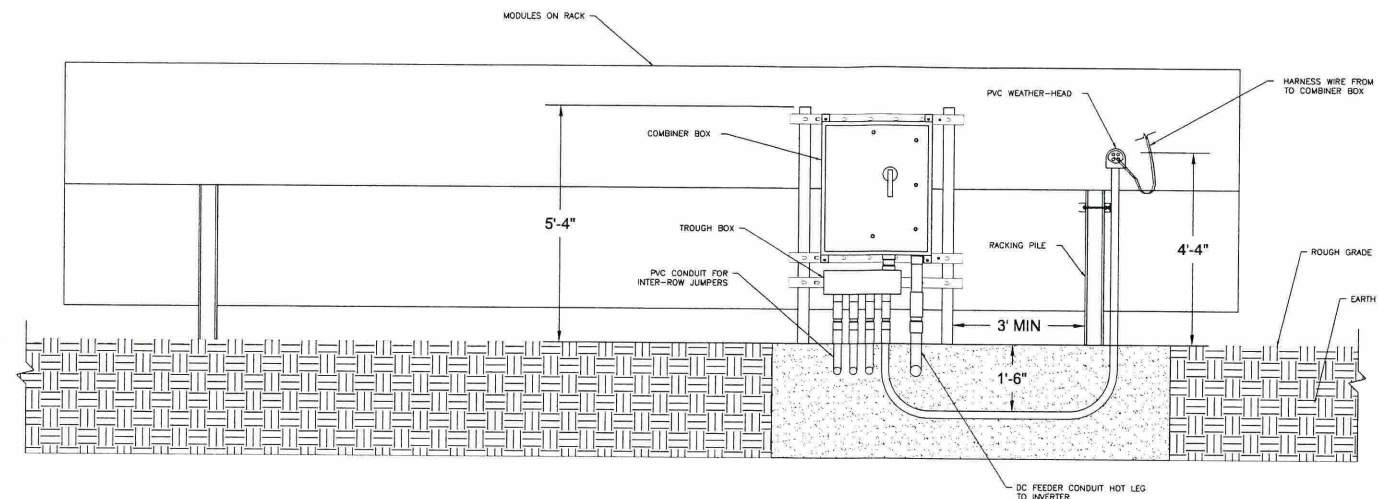
PE Seal:

DRAWING ISSUE

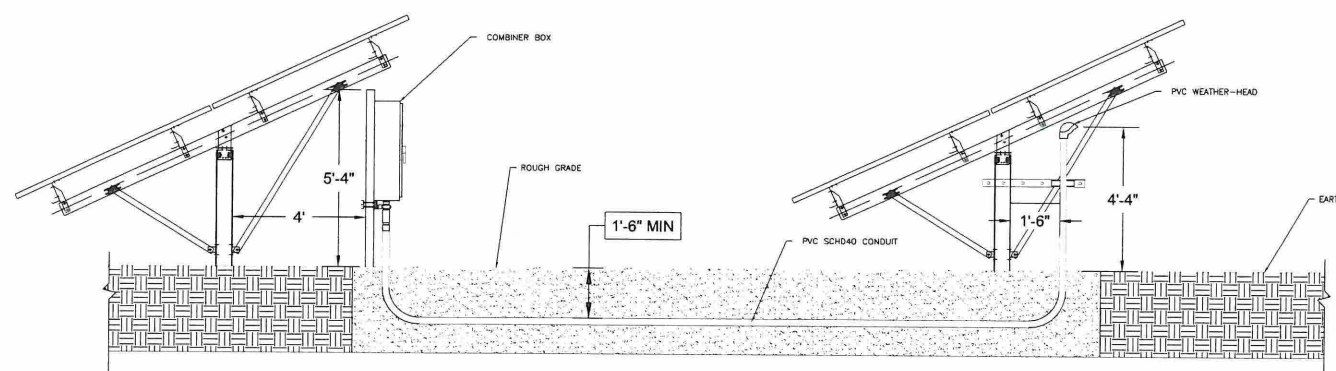
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- Construction
- Customer Approval
- As-built
- Permitting
- Other

REVISIONS

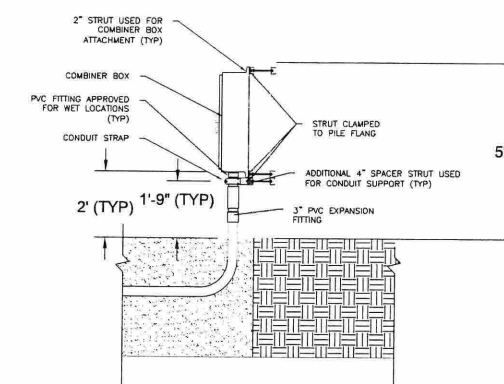
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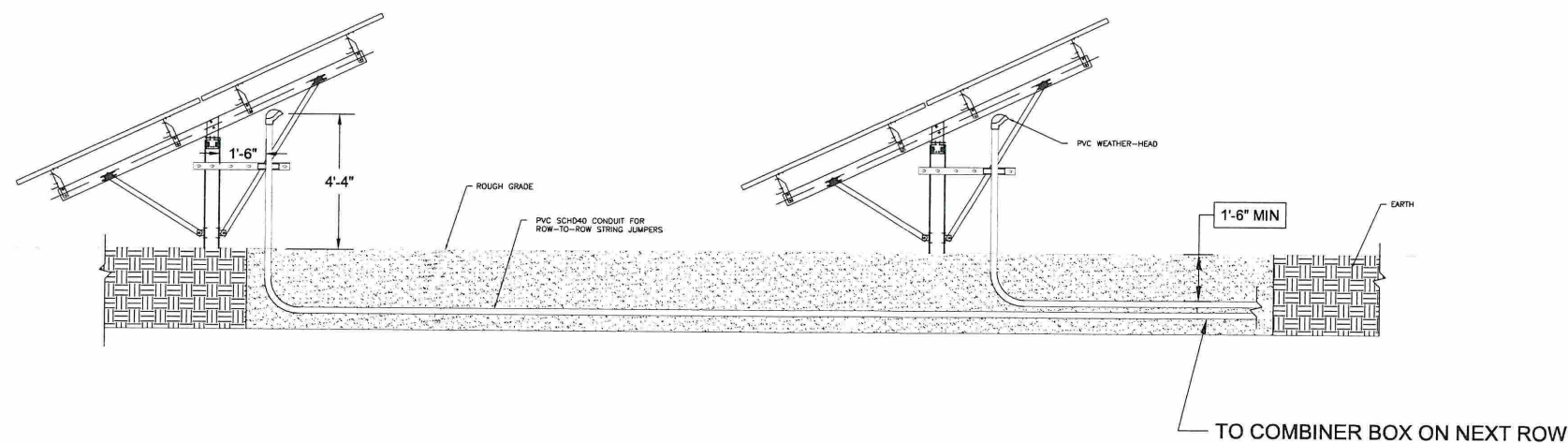
1 COMBINER BOX / WEATHER HEAD FRONT ELEVATION VIEW
Scale: 1/2" = 1'-0"



2 HOMERUN STRING JUMPER DETAIL
Scale: 3/8" = 1'-0"



3 COMBINER BOX SIDE ELEVATION DETAIL
Scale: 3/8" = 1'-0"



4 ROW-TO-ROW STRING JUMPER DETAIL
Scale: 3/8" = 1'-0"

Project Name:
CORONAL PANASONIC - FUSION

Site Address:
POTASH HILL RD
SPRAGUE, CT 06330
41°38'57.68"N, 72°04'42.45"W

Sheet Name:
EQUIPMENT
MOUNTING DETAIL

Scale: Project ID: TBD
Sheet No:

L2.1



M+W GROUP

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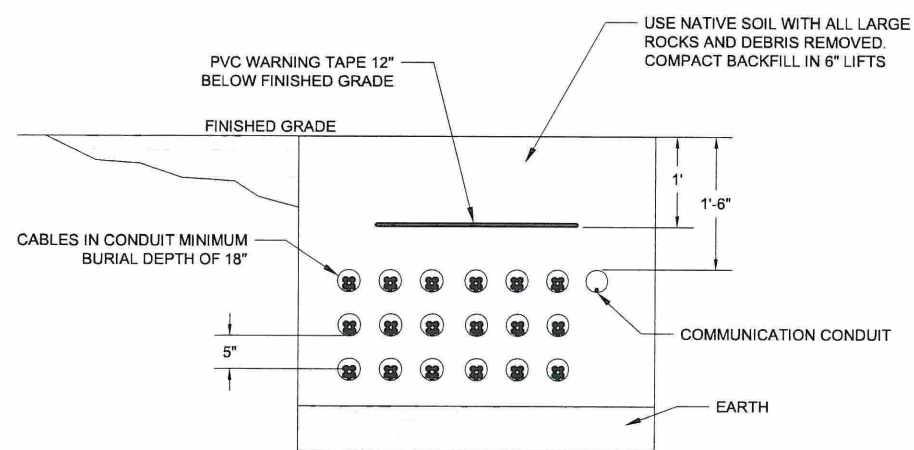
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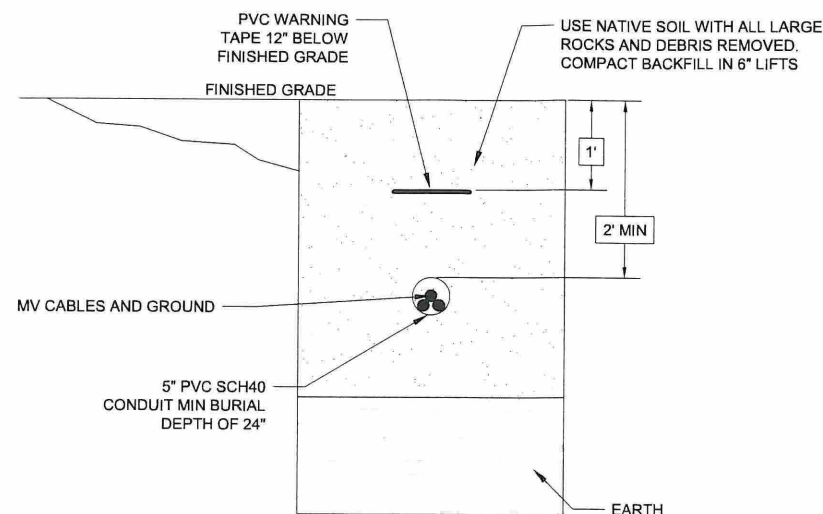
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- Other

REVISIONS

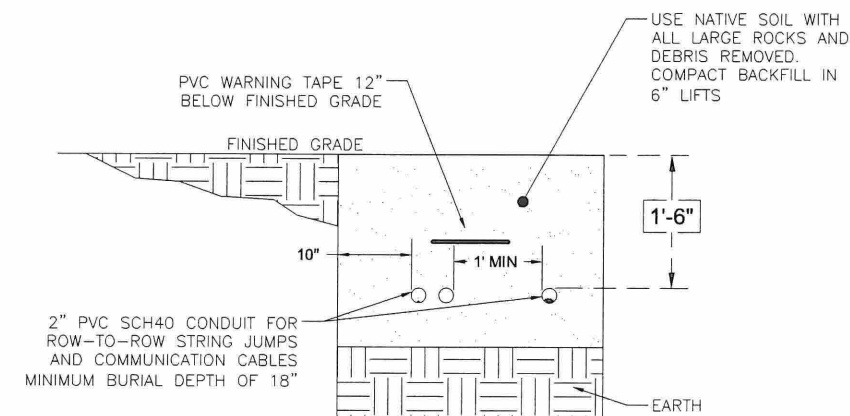
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1	GH	MK	Permit Set Rev 1	06/22/2016



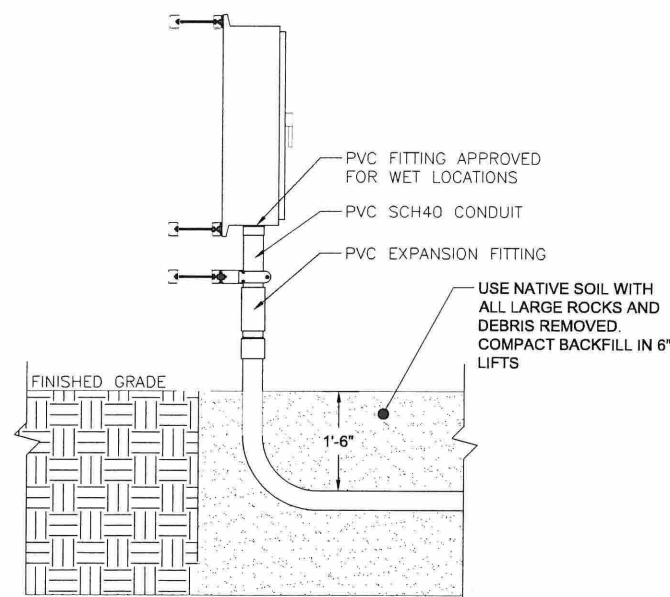
1 DC TRENCH DETAIL
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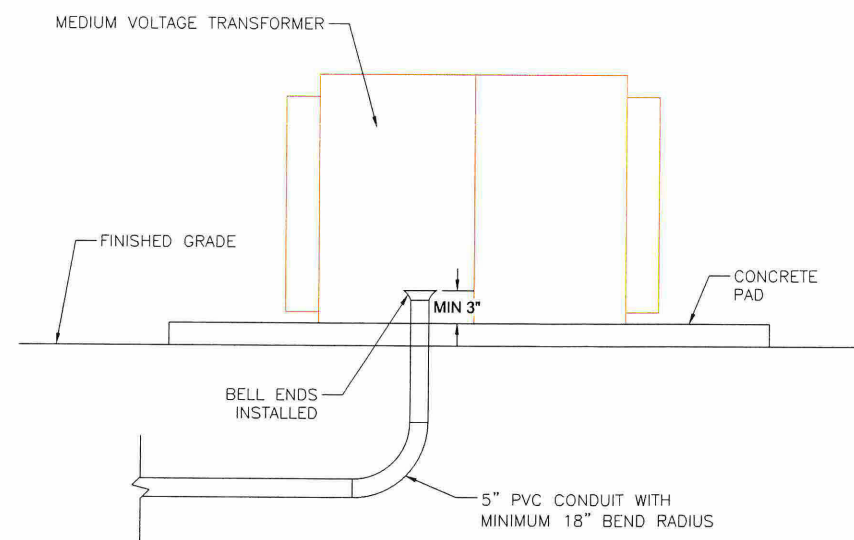
2 MEDIUM VOLTAGE TRENCH DETAIL
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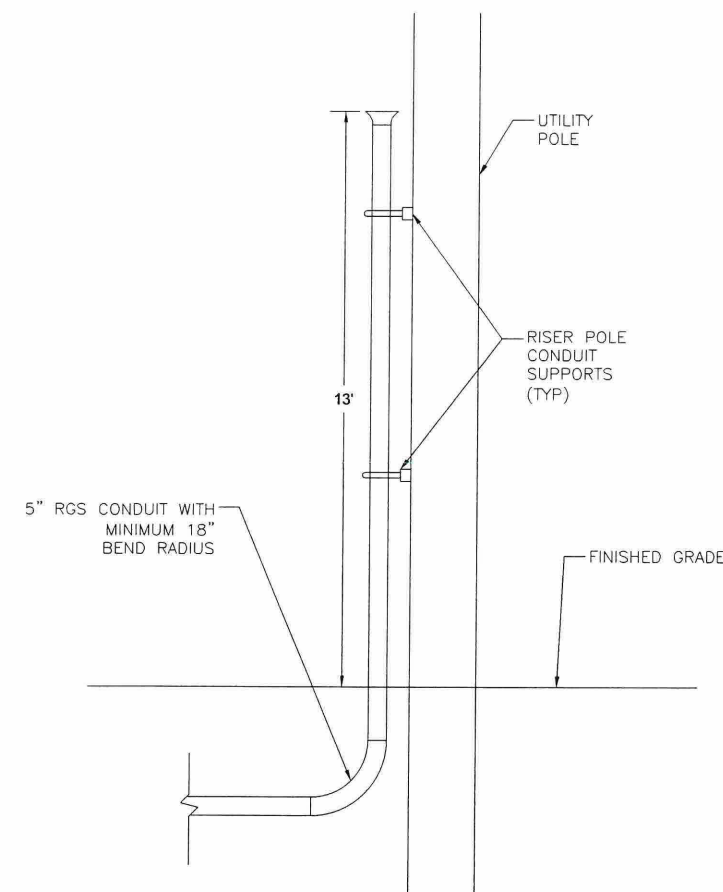
3 COMMUNICATION / STRING JUMPER DETAIL
 Scale: 1" = 1'-0"



4 CONDUIT STUB-UP AT COMBINER BOX
 Scale: 3/4" = 1'-0"



5 CONDUIT STUB-UP AT TRANSFORMER PRIMARY
 Scale: 1/2" = 1'-0"



6 CONDUIT STUB-UP AT RISER POLE
 Scale: 1/2" = 1'-0"

Project Name:
CORONAL PANASONIC - FUSION

Site Address:
**POTASH HILL RD
 SPRAGUE, CT 06330
 41°38'57.68"N, 72°04'42.45"W**

Sheet Name:
**TRENCHING
 DETAILS**

Scale: Project ID: TBD

Sheet No:

L2.2



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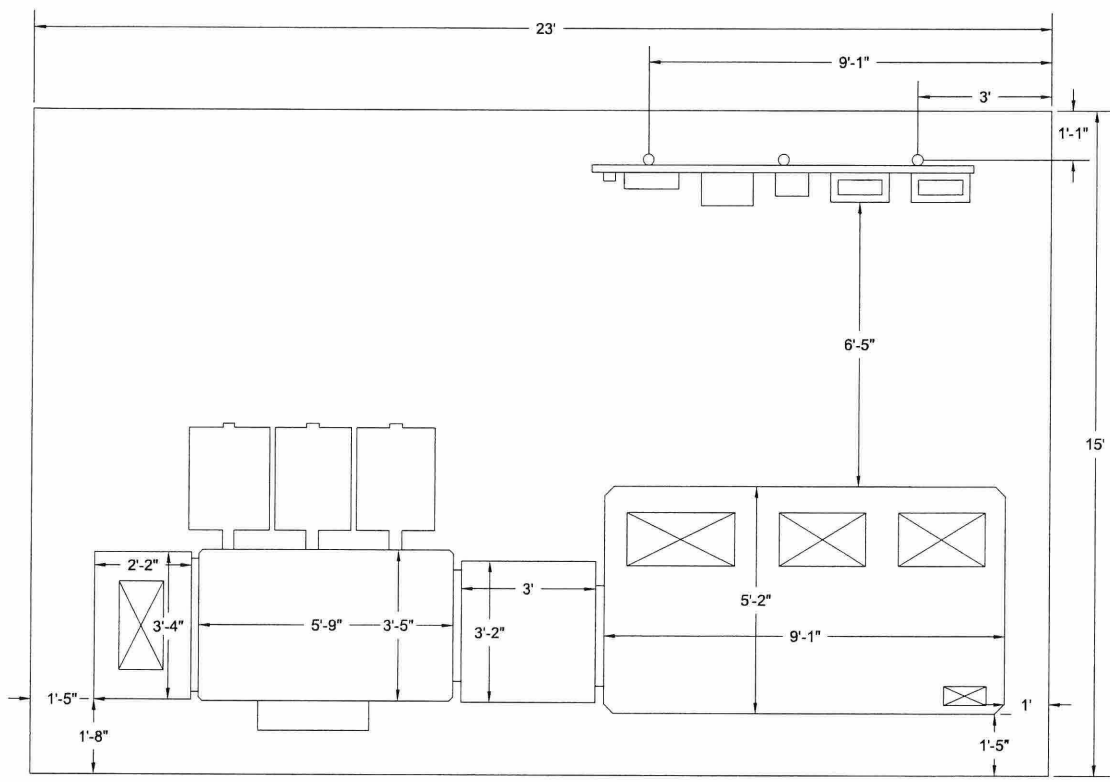
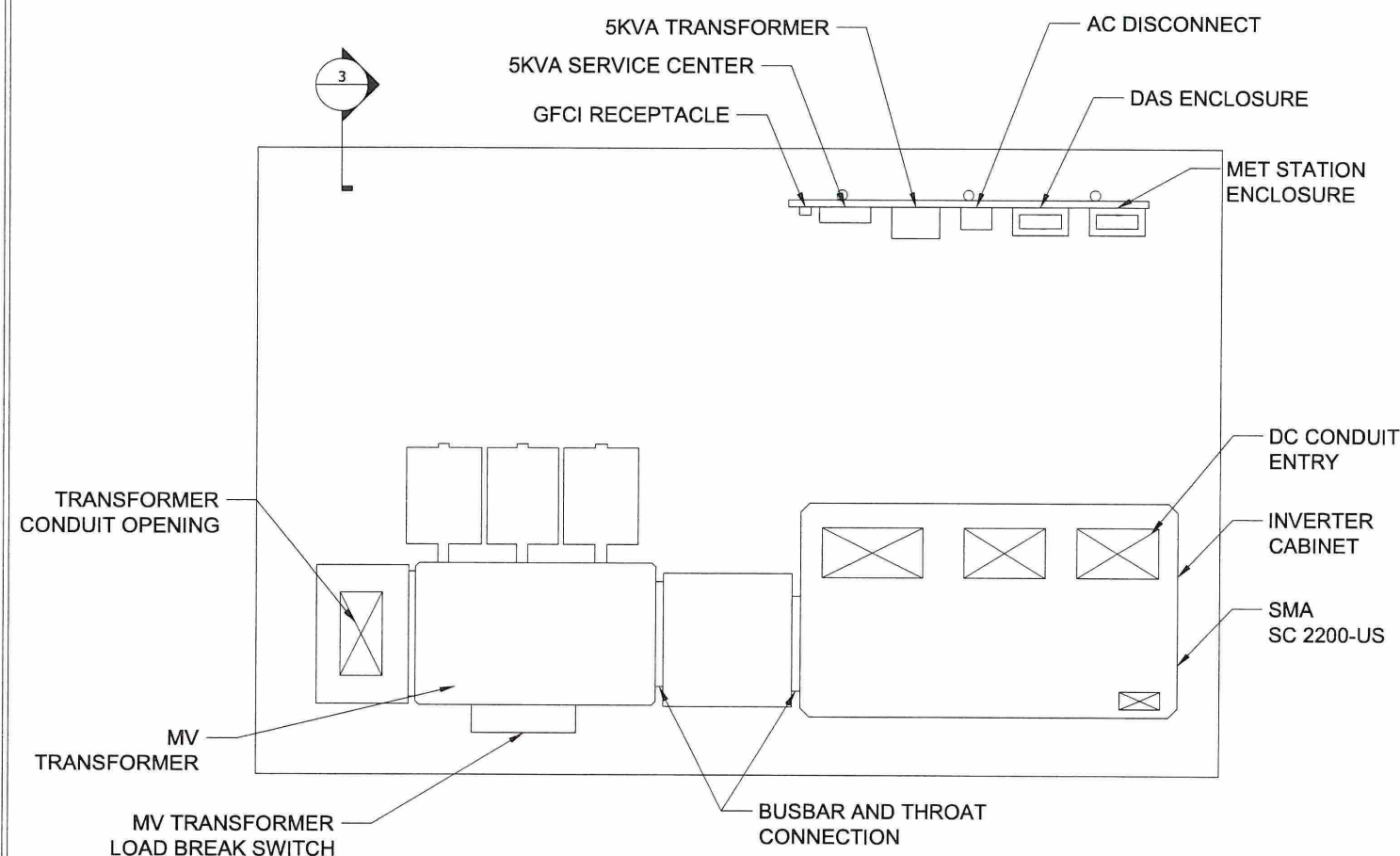
PE Seal:

DRAWING ISSUE

- Preliminary
- Construction
- Customer Approval
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- Permitting
- Other

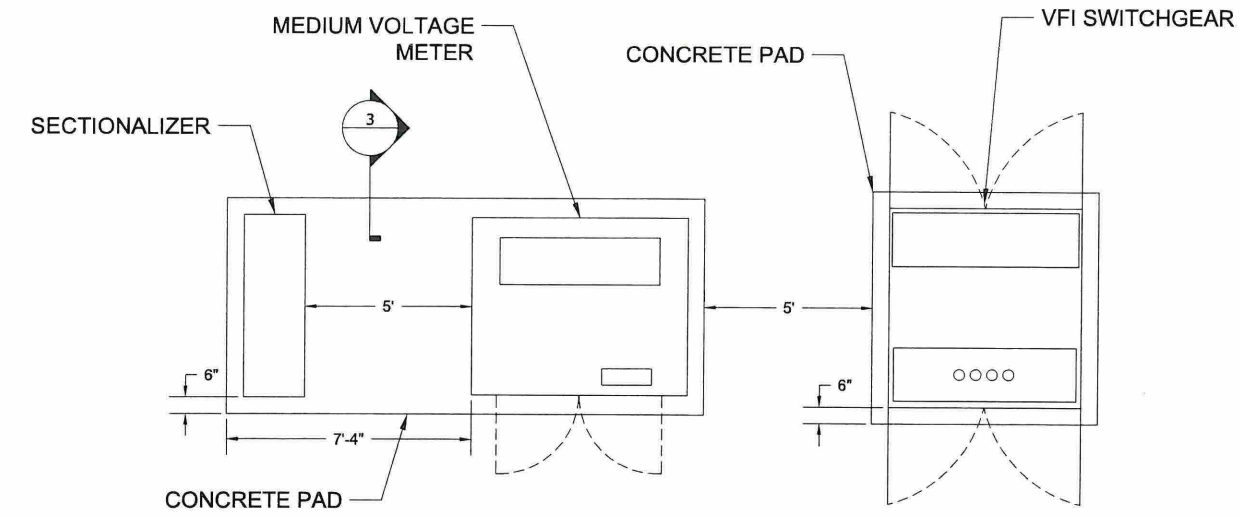
REVISIONS

Rev	By	App	Description	Date
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1	GH	MK	Permit Set Rev 1	06/22/2016

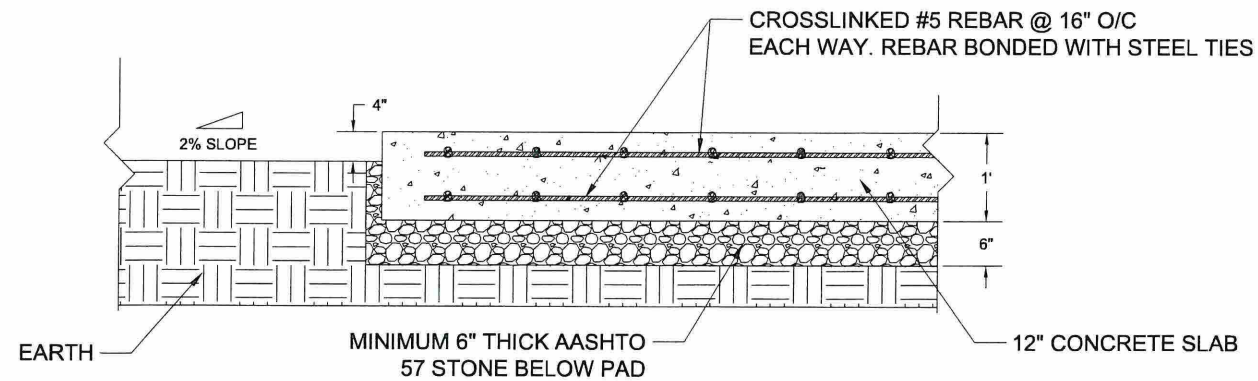


1 EQUIPMENT PAD LAYOUT (TYP) Scale: 1/2" = 1'-0"

2 EQUIPMENT PAD DIMENSIONS Scale: 1/2" = 1'-0"



3 MEDIUM VOLTAGE EQUIPMENT PAD DETAIL Scale: 3/8" = 1'-0"



4 CONCRETE PAD DETAIL Scale: 1" = 1'-0"

Project Name: CORONAL PANASONIC - FUSION

Site Address: POTASH HILL RD
SPRAGUE, CT 06330
41°38'57.68"N, 72°04'42.45"W

Sheet Name: EQUIPMENT PAD LAYOUT & DETAIL

Scale: Project ID: TBD
Sheet No:

L2.3



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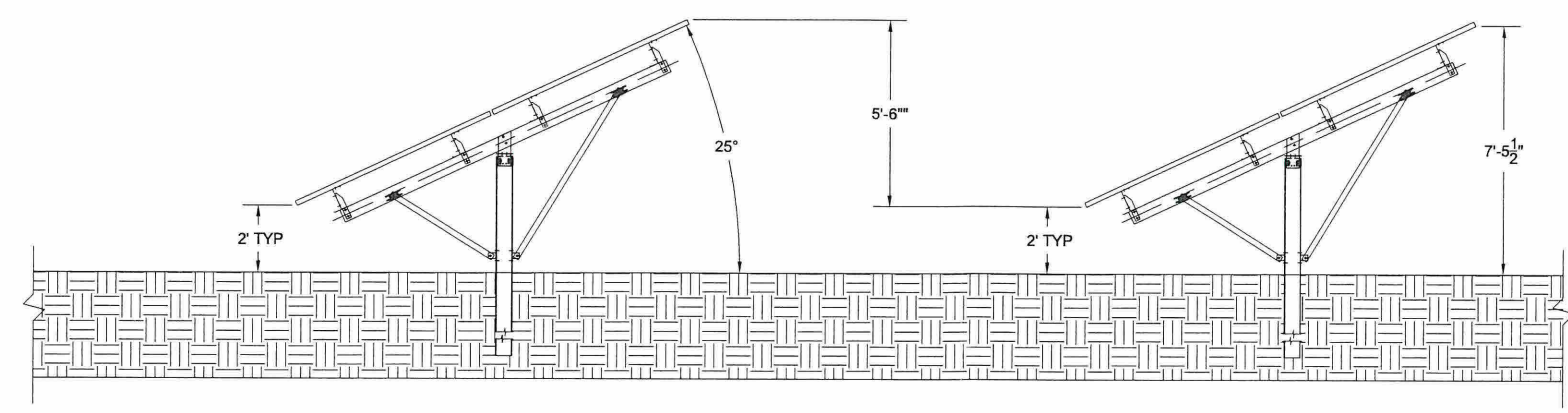
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Professional Engineer:

PE Seal:

DRAWING ISSUE
 Preliminary Construction
 Customer Approval As-built
 Permitting Other

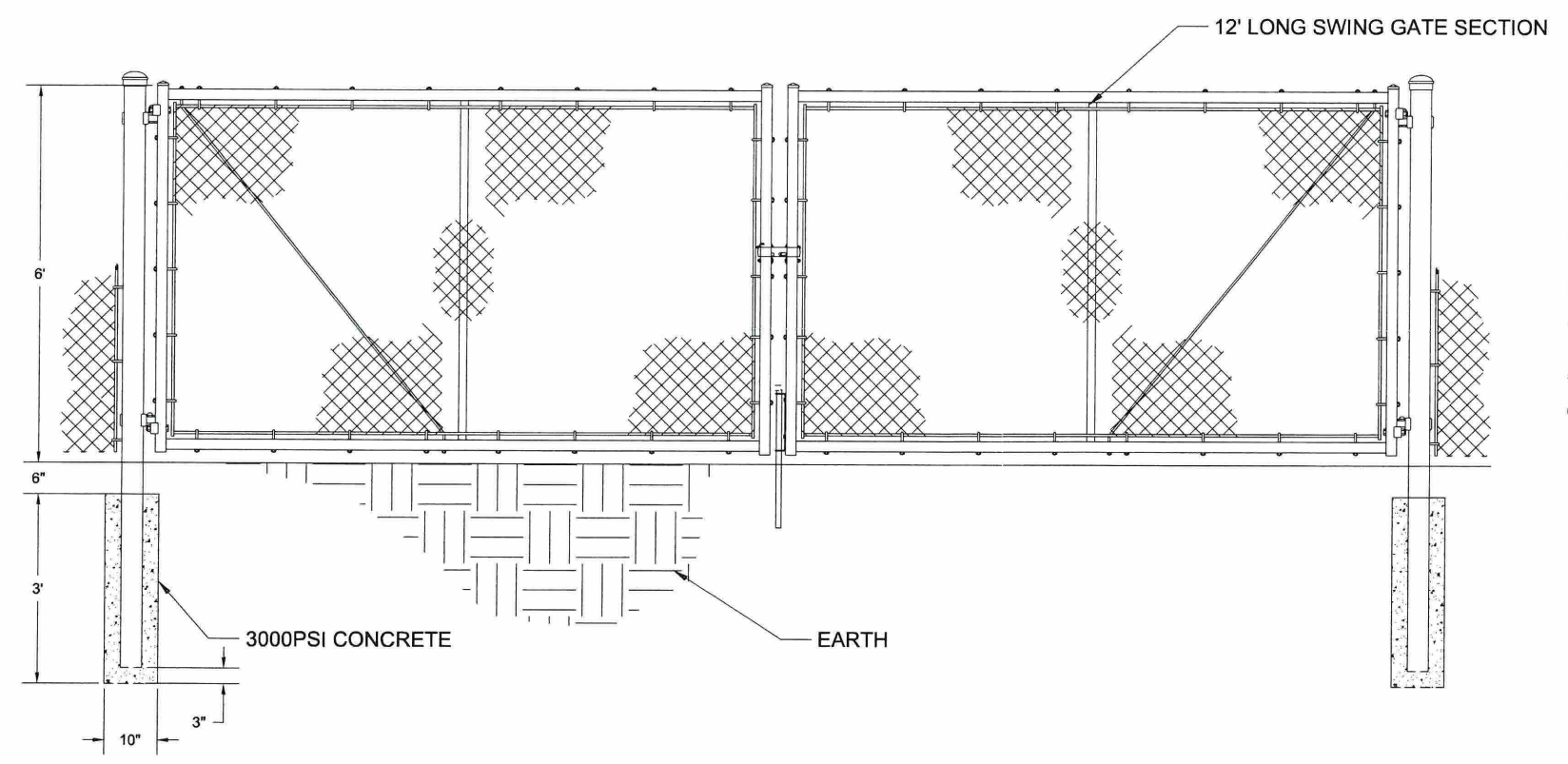
REVISIONS				
Rev	By	App	Description	Date
0	GM	MK	Permit Set	05/11/2016
1	GM	MK	Permit Set Rev 1	06/22/2016



1 TYPICAL RBI RACKING DIMENSIONS
 Scale: 3/8" = 1'-0"

NOTES:

- REFER TO RACKING INSTALLATION MANUAL FOR ALL ASSEMBLY AND INSTALL INSTRUCTIONS.
- EACH RACK SHALL HAVE AT LEAST (1) EGC CONNECTED TO IT WITH LAY-IN LUG AND STAR WASHER OR WEEB CLIP.
- ADJACENT RACKS SHALL BE CONNECTED WITH A BARE, SOLID #6 AWG JUMPER EGC WITH (2) LAY-IN LUGS.



2 FENCE DETAIL & 24' WIDE SWING GATE DETAIL
 Scale: 3/4" = 1'-0"

NOTES:

- ALL FENCE COMPONENTS SHALL BE GALVANIZED STEEL WITH 6FT HIGH PLUS 1FT OF BARB WIRE
- PROVIDE BRACE RAIL, ADJUSTABLE TRUSS ROD, AND BOTTOM RAIL ON ALL END AND CORNER FENCE SECTIONS. PROVIDE BOTTOM RAIL ON ALL 6' AND 8' HIGH FENCE SECTIONS.
- PROVIDE CONCRETE FOOTINGS FOR END AND CORNER POSTS (CHANGE IN DIRECTION) FOR ALL FENCE SIZES.
- LINE POST TIES AND RAIL TIES SHALL BE OF SUFFICIENT LENGTH TO ALLOW EACH END OF TIE TO BE KNUCKLED BACK AND TWISTED TWICE AROUND ITSELF.
- MUST PROVIDE A DUAL LOCK CONTROL DEVICE TO ALL GATES FOR ACCESS
- CHAIN LINK FENCE MESH SIZE TO BE 2".

Project Name:
CORONAL PANASONIC - FUSION

Site Address:
 POTASH HILL RD
 SPRAGUE, CT 06330
 41°38'57.68"N, 72°04'42.45"W

Sheet Name:
GROUND MOUNT RACK & FENCE DETAIL

Scale: Project ID: TBD

Sheet No:
L3.1