

**LEGEND**

- PROJECT BOUNDARY
- - - SECTION LINES
- - - RIGHT-OF-WAY LINES
- - - EASEMENT LINES
- - - EX. PAVED ROAD
- - - EX. GRAVEL ROAD
- - - EX. OVERHEAD POWER LINE
- - - EX. INDEX CONTOUR
- - - EX. INTERVAL CONTOUR
- - - EX. FENCE
- - - EX. FIBER OPTIC LINE
- - - EX. GAS PIPELINE
- - - EX. TELEPHONE LINE
- - - EX. WATER LINE
- - - EX. DRAIN TILE
- - - EX. STREAM CHANNEL
- - - EX. CULVERT
- - - EX. POWER POLE
- - - EX. TELEPHONE BOX
- - - EX. ELECTRIC BOX
- - - EX. POST
- - - EX. SIGN
- - - EX. FIELD DELINEATED WETLAND

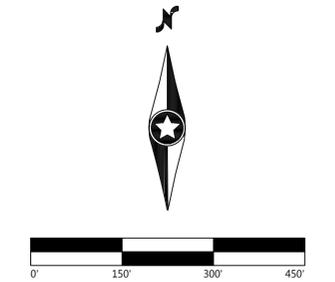
PREPARED FOR:



100 N 6th St. #218c  
Minneapolis, MN 55403

REVISIONS:

#	DATE	COMMENT
A	07/26/19	Issued for 90% Review



**USS Buckaroo Solar LLC**  
Clay County, Minnesota  
14001 90th Ave. N.  
Glydon, MN 56547

Existing Conditions

**NOT FOR CONSTRUCTION**

DATE: 07/26/2019  
SHEET: C.100

D:\001370\001370.dwg (10/26/2019 10:54:01 AM) 7/26/2019 10:54:01 AM (10/26/2019 10:54:01 AM)

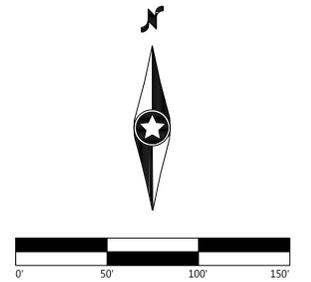
PREPARED FOR:



100 N 6th St. #218c  
Minneapolis, MN 55403

REVISIONS:

#	DATE	COMMENT
A	07/26/19	Issued for 90% Review



**USS Buckaroo Solar LLC**

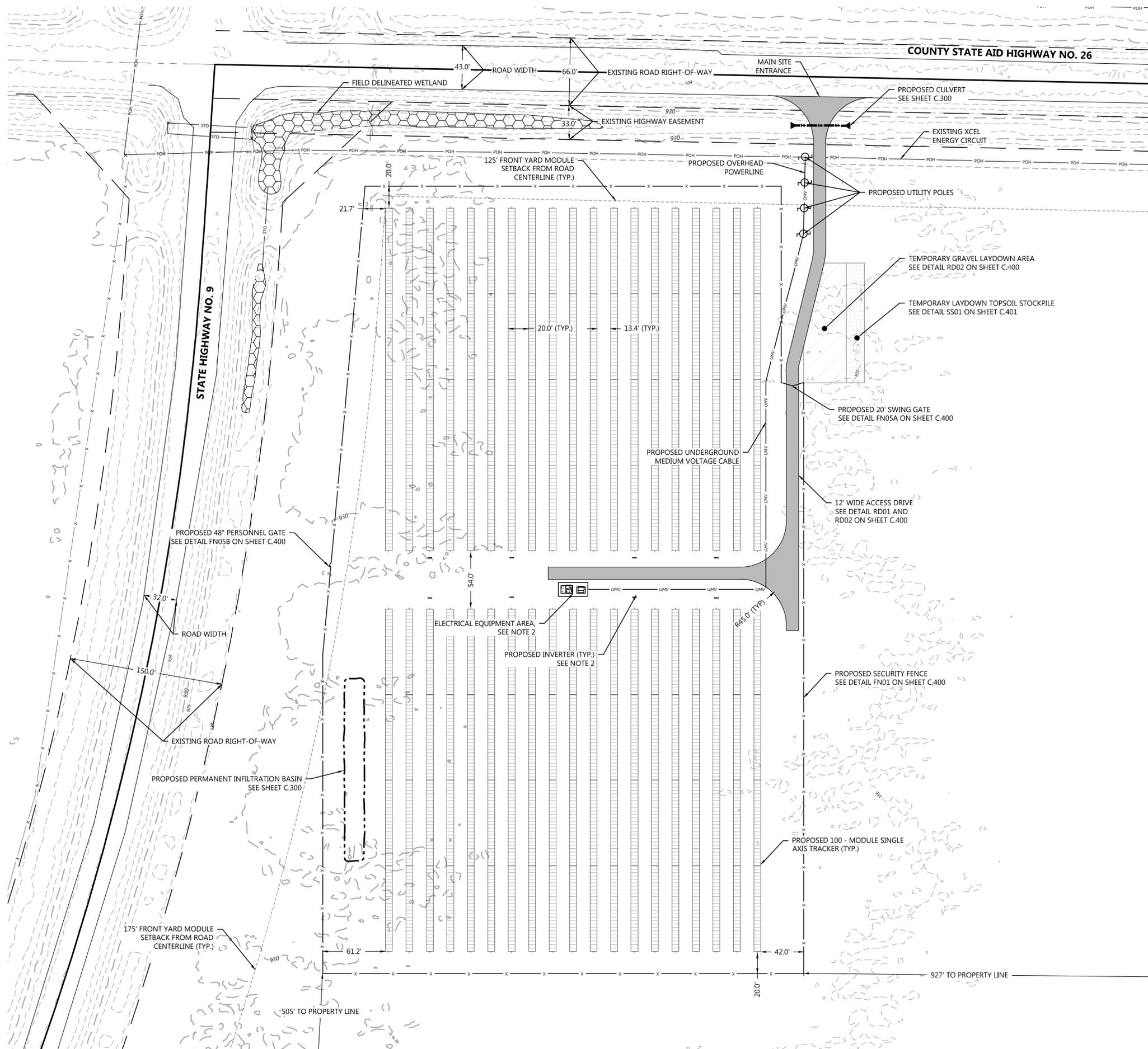
Clay County, Minnesota  
14001 90th Ave. N.  
Glydon, MN 56547

Civil Site Plan

**NOT FOR CONSTRUCTION**

DATE: 07/26/2019

SHEET: C.200



**LEGEND**

- PROJECT BOUNDARY
- SECTION LINES
- RIGHT-OF-WAY LINES
- EASEMENT LINES
- EX. PAVED ROAD
- EX. GRAVEL ROAD
- POH EX. OVERHEAD POWER LINE
- 900 EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- X EX. FENCE
- FO EX. FIBER OPTIC LINE
- GAS EX. GAS PIPELINE
- TUG EX. TELEPHONE LINE
- WAT EX. WATER LINE
- EX. STREAM CHANNEL
- EX. CROPLINE
- EX. CULVERT
- FOUND MONUMENT
- EX. POWER POLE
- EX. TELEPHONE BOX
- EX. ELECTRIC BOX
- EX. POST
- EX. SIGN
- X PROPOSED SECURITY FENCE
- PROPOSED STORMWATER STORAGE
- PROPOSED UTILITY POWER POLE
- PROPOSED GRAVEL ACCESS DRIVE
- PROPOSED TEMPORARY LAYDOWN YARD
- PROPOSED TOPSOIL STOCKPILE AREA
- UMW PROPOSED UNDERGROUND COLLECTOR
- OMW PROPOSED OVERHEAD POWERLINE
- SWITCHBOARD AND TRANSFORMER PAD
- SINGLE AXIS TRACKER
- YARD SETBACK LINE
- PROPOSED CULVERT
- FIELD DELINEATED WETLAND

GENERAL NOTES:  
 1. PARKING OF ANY PERSONAL OR DELIVERY VEHICLES WITHIN PUBLIC RIGHT OF WAY IS PROHIBITED  
 2. ALL ELECTRICAL COMPONENT ARE SHOWN FOR REFERENCE ONLY. REFER TO APPLICABLE ELECTRICAL DRAWINGS FOR DETAILED ELECTRICAL DESIGNS.

MODULE SETBACKS		
	REQUIRED	PROVIDED
SOUTH YARD	15'	525'
NORTH YARD	125'	127'
WEST YARD	175'	175'
EAST YARD	15'	947'

P:\0313701\0313701.dwg 7/26/2019 4:03:34 PM EJE

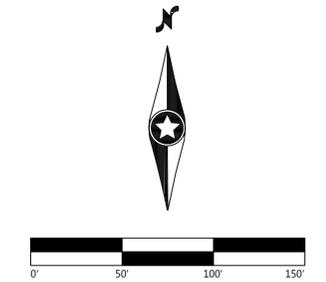
PREPARED FOR:

**US/SOLAR**

100 N 6th St. #218c  
Minneapolis, MN 55403

REVISIONS:

#	DATE	COMMENT
A	07/26/19	Issued for 90% Review



**USS Buckaroo Solar LLC**  
Clay County, Minnesota  
14001 90th Ave. N.  
Glydon, MN 56547

**Grading, Drainage and Erosion Control Plan**

NOT FOR CONSTRUCTION

DATE: 07/26/2019  
SHEET: C.300

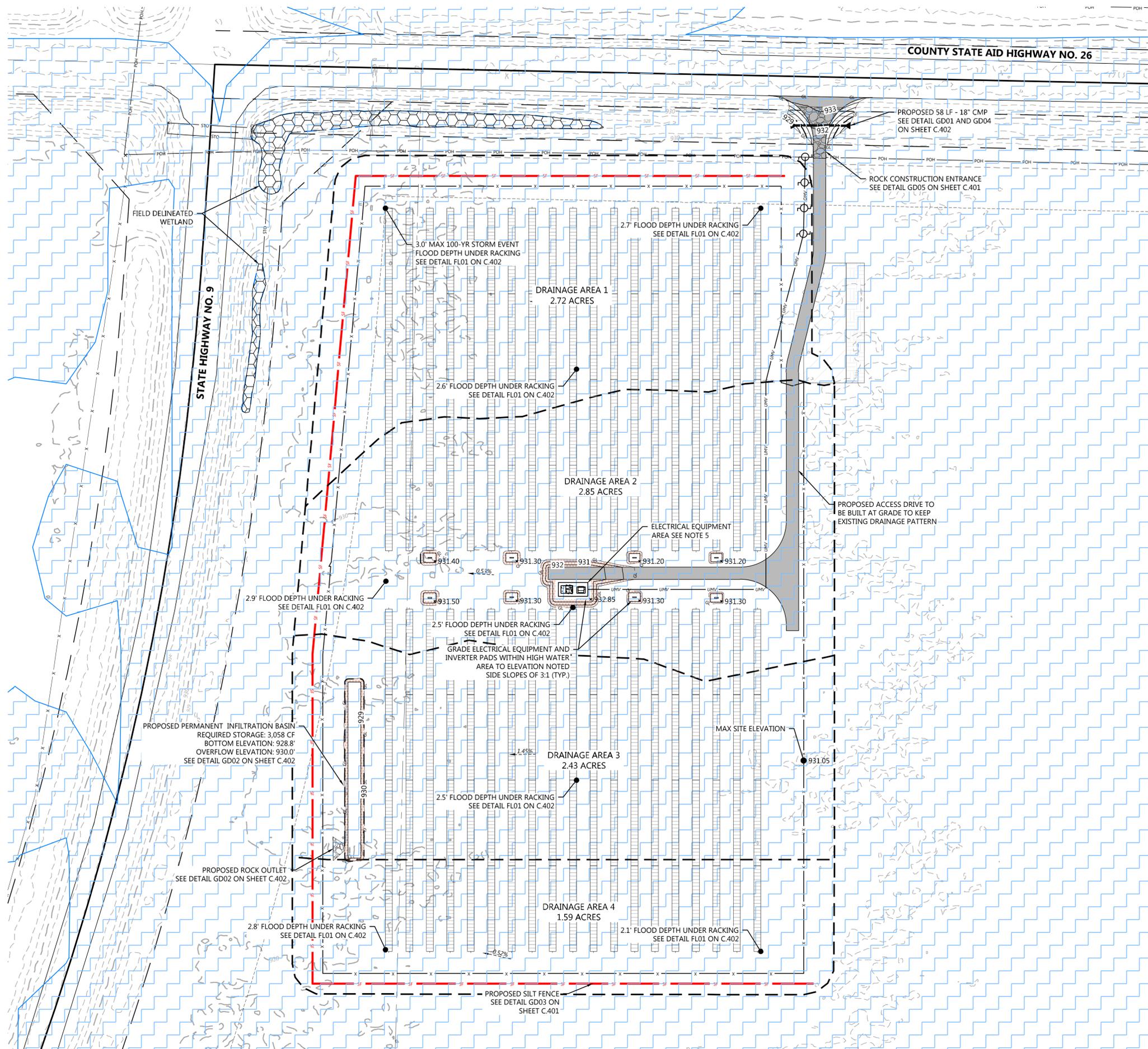
**LEGEND**

- PROJECT BOUNDARY
- SECTION LINES
- RIGHT-OF-WAY LINES
- EASEMENT LINES
- EX. PAVED ROAD
- EX. GRAVEL ROAD
- EX. OVERHEAD POWER LINE
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. FENCE
- EX. FIBER OPTIC LINE
- EX. GAS PIPELINE
- EX. TELEPHONE LINE
- EX. WATER LINE
- EX. STREAM CHANNEL
- EX. CROPLINE
- EX. CULVERT
- FOUND MONUMENT
- EX. POWER POLE
- EX. TELEPHONE BOX
- EX. ELECTRIC BOX
- EX. POST
- EX. SIGN
- EXISTING GROUND SLOPE
- PROPOSED SECURITY FENCE
- PROPOSED SILT FENCE
- PROPOSED UTILITY POWER POLE
- PROPOSED GRAVEL ACCESS DRIVE
- PROPOSED TEMPORARY LAYDOWN YARD
- PROPOSED TOPSOIL STOCKPILE AREA
- PROPOSED UNDERGROUND COLLECTOR
- PROPOSED OVERHEAD POWERLINE
- SWITCHBOARD AND TRANSFORMER PAD
- SINGLE AXIS TRACKER
- YARD SETBACK LINE
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- GRADING BOUNDARY
- PROPOSED ROCK ENTRANCE
- PROPOSED LOW WATER CROSSING
- DRAINAGE AREA BOUNDARY
- PROPOSED EROSION CONTROL BLANKET
- PROPOSED RIP RAP
- PROPOSED CULVERT
- HIGH WATER AREA
- FIELD DELINEATED WETLAND

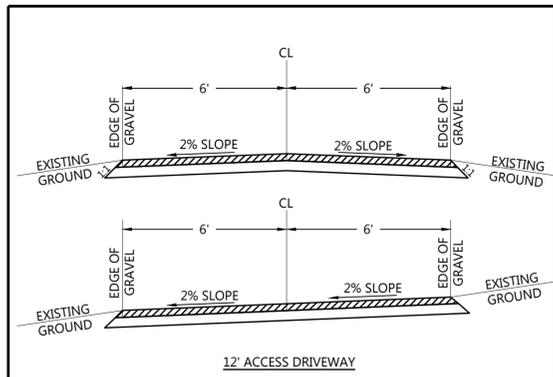
- GENERAL NOTES:
- INTERNAL ROADS WILL BE CONSTRUCTED TO MATCH THE SURROUNDING EXISTING GROUND ELEVATIONS TO ALLOW EXISTING DRAINAGE PATTERNS TO PERSIST.
  - ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO ANY UPSLOPE GROUND DISTURBANCE COMMENCING.
  - TOPSOIL SHALL BE SEGREGATED FROM ALL EARTHWORK ACTIVITIES THAT REQUIRE SUB-SOIL EXCAVATION
  - MINOR SURFACE SMOOTHING MAY OCCUR FOR RACKING INSTALLATION
  - FINAL TOP OF CONCRETE PAD ELEVATION SHALL BE AT LEAST 2" ABOVE THE SURROUNDING FINAL FINISHED GRADE AND CONTRACTOR SHALL ENSURE FINISHED GRADE PROVIDES POSITIVE DRAINAGE AWAY FROM EQUIPMENT PADS.
  - IF PERMANENT INFILTRATION BASIN IS CONSTRUCTED AT THE ONSET OF CONSTRUCTION ACTIVITIES, ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AT THE END OF CONSTRUCTION ACTIVITIES.

**GRADING QUANTITIES**

FEATURE	CUT	FILL
INFILTRATION BASIN	133 CY	0 CY
ELECTRICAL PAD AND INVERTERS	0 CY	234 CY
ENTRANCE	0	132 CY
TOTAL	133 CY	366 CY

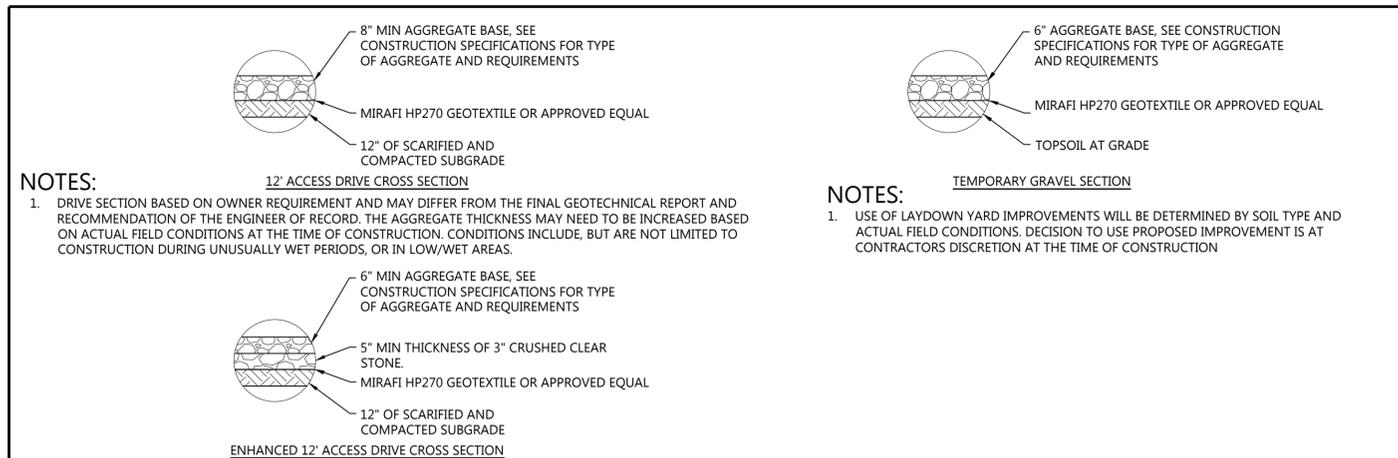


P:\0131701\0131701.dwg (C:\0131701.dwg) 7/26/2019 4:03:13 PM Dale Ebert



**NOTES:**  
 1. CONTRACTOR SHALL CONSTRUCT CROSS-SLOPE ROAD SECTION WHERE ACCESS ROADS ARE CONSTRUCTED ON A SIDE SLOPE, AND WHERE OTHERWISE NOTED ON PLANS, TO ENSURE THAT ROADS AND SHOULDERS REMAIN WELL DRAINED AT ALL TIMES.

Westwood	TYPICAL SOLAR ACCESS DRIVE	LAST REVISED: 07/07/16
		RD01

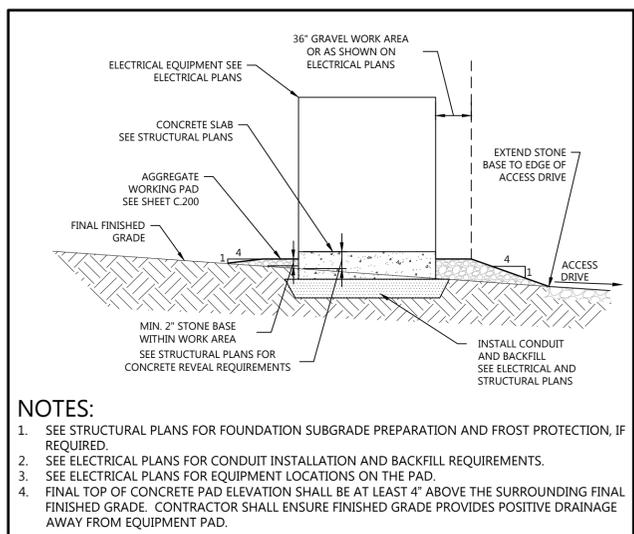


**NOTES:**  
 1. DRIVE SECTION BASED ON OWNER REQUIREMENT AND MAY DIFFER FROM THE FINAL GEOTECHNICAL REPORT AND RECOMMENDATION OF THE ENGINEER OF RECORD. THE AGGREGATE THICKNESS MAY NEED TO BE INCREASED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. CONDITIONS INCLUDE, BUT ARE NOT LIMITED TO CONSTRUCTION DURING UNUSUALLY WET PERIODS, OR IN LOW/WET AREAS.

**NOTES:**  
 1. USE OF LAYDOWN YARD IMPROVEMENTS WILL BE DETERMINED BY SOIL TYPE AND ACTUAL FIELD CONDITIONS. DECISION TO USE PROPOSED IMPROVEMENT IS AT CONTRACTORS DISCRETION AT THE TIME OF CONSTRUCTION.

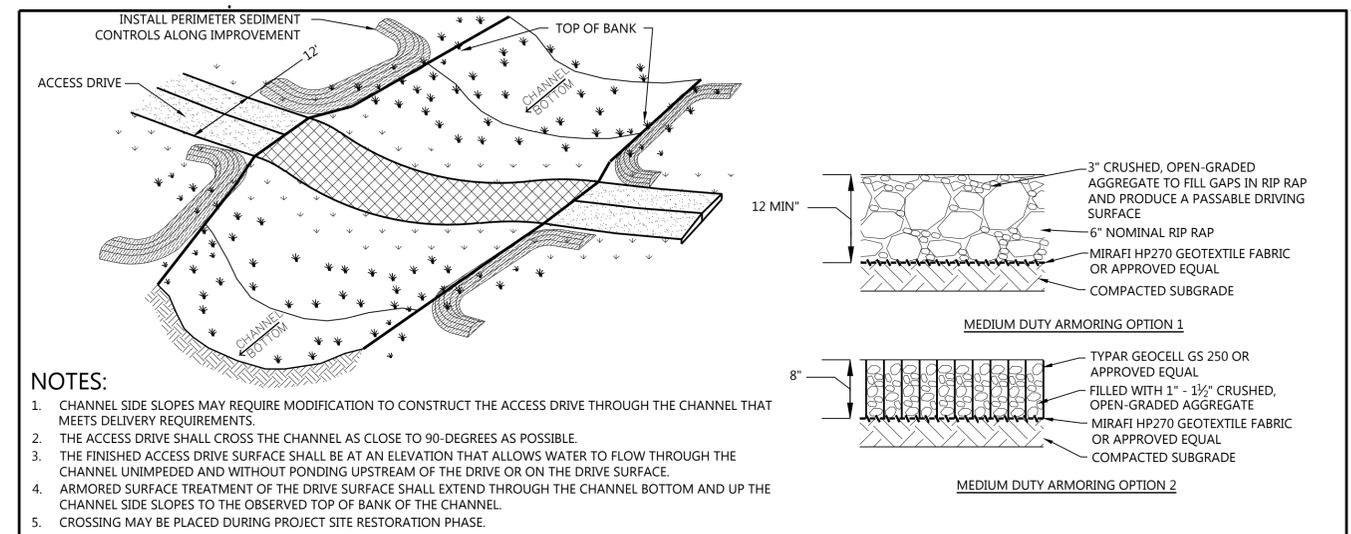
**NOTES:**  
 1. ENHANCED ACCESS DRIVE CROSS SECTION SHALL BE IMPLEMENTED WHERE THE ALTERNATE PROOF ROLL TEST CRITERIA IS APPLICABLE. IF ALTERNATE PROOF ROLL TEST DOES NOT PASS THE ENGINEER OF RECORD SHALL BE CONTACTED.

Westwood	DRIVEWAY AND LAYDOWN STRUCTURAL SECTIONS	LAST REVISED: 08/08/2016
		RD02



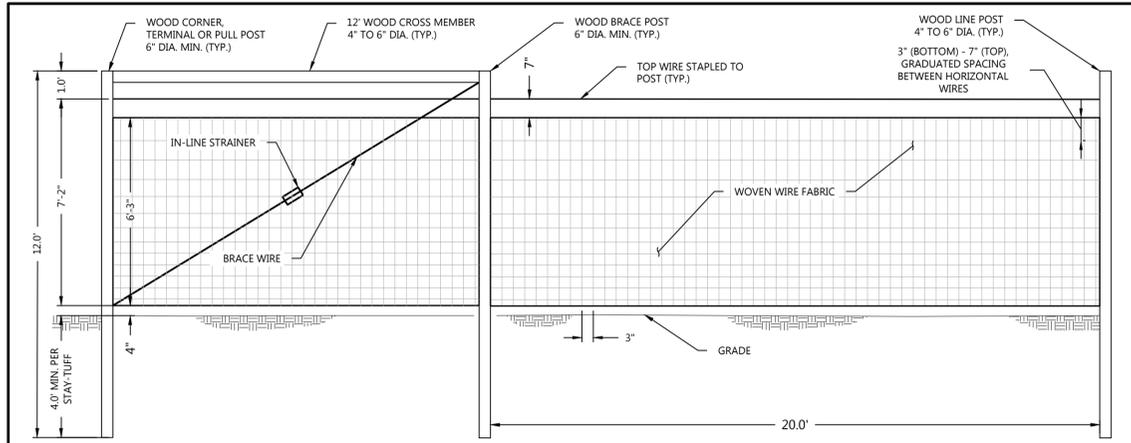
**NOTES:**  
 1. SEE STRUCTURAL PLANS FOR FOUNDATION SUBGRADE PREPARATION AND FROST PROTECTION, IF REQUIRED.  
 2. SEE ELECTRICAL PLANS FOR CONDUIT INSTALLATION AND BACKFILL REQUIREMENTS.  
 3. SEE ELECTRICAL PLANS FOR EQUIPMENT LOCATIONS ON THE PAD.  
 4. FINAL TOP OF CONCRETE PAD ELEVATION SHALL BE AT LEAST 4" ABOVE THE SURROUNDING FINAL FINISHED GRADE. CONTRACTOR SHALL ENSURE FINISHED GRADE PROVIDES POSITIVE DRAINAGE AWAY FROM EQUIPMENT PAD.

Westwood	TYPICAL ELECTRICAL EQUIPMENT ON CONCRETE SLAB - PROFILE VIEW	LAST REVISED: 08/20/15
		INV02



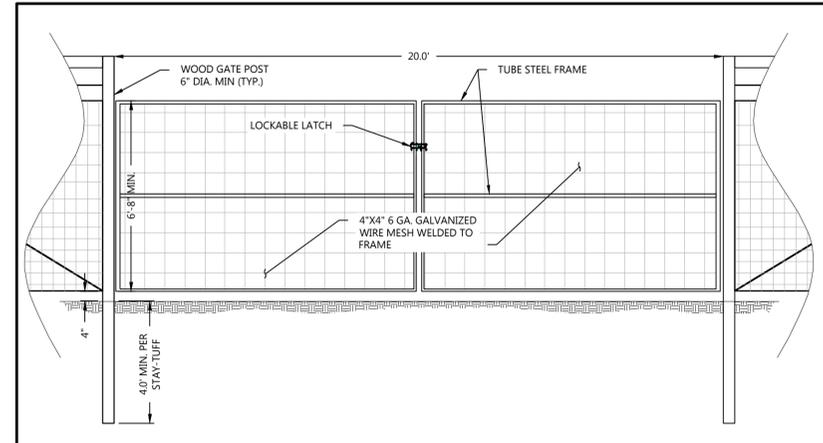
**NOTES:**  
 1. CHANNEL SIDE SLOPES MAY REQUIRE MODIFICATION TO CONSTRUCT THE ACCESS DRIVE THROUGH THE CHANNEL THAT MEETS DELIVERY REQUIREMENTS.  
 2. THE ACCESS DRIVE SHALL CROSS THE CHANNEL AS CLOSE TO 90-DEGREES AS POSSIBLE.  
 3. THE FINISHED ACCESS DRIVE SURFACE SHALL BE AT AN ELEVATION THAT ALLOWS WATER TO FLOW THROUGH THE CHANNEL UNIMPEDED AND WITHOUT PONDING UPSTREAM OF THE DRIVE OR ON THE DRIVE SURFACE.  
 4. ARMORED SURFACE TREATMENT OF THE DRIVE SURFACE SHALL EXTEND THROUGH THE CHANNEL BOTTOM AND UP THE CHANNEL SIDE SLOPES TO THE OBSERVED TOP OF THE CHANNEL.  
 5. CROSSING MAY BE PLACED DURING PROJECT SITE RESTORATION PHASE.

Westwood	PERMANENT ACCESS DRIVE LOW WATER CROSSING	LAST REVISED: 03/09/17
		RD11



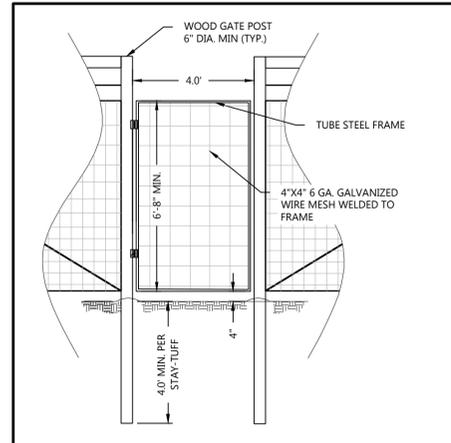
**NOTES:**  
 1. FENCE DESIGN PROVIDED BY STAY-TUFF. SEE SUPPLIER DRAWINGS FOR ADDITIONAL DETAIL.  
 2. WOVEN WIRE FABRIC SHALL BE STAY-TUFF 1775-3 FIXED KNOT FENCE FABRIC WITH 3"x3" OPENINGS AT BOTTOM.  
 3. ALL METALLIC PART SHALL BE GALVANIZED.  
 4. TOP WIRE SHALL ALWAYS EXCEED 7" ABOVE GRADE.  
 5. MAXIMUM SPACING BETWEEN END POSTS SHALL BE 1,320' WITHOUT ADDITIONAL INLINE BRACES OR PER MANUFACTURER RECOMMENDATION.  
 6. MANUFACTURER DRAWINGS SHALL SUPERSEDE DETAIL IF CONFLICTS ARE PRESENT. ANY DEVIATIONS SHALL BE SUBMITTED TO THE OWNER FOR REVIEW.

Westwood	LIVESTOCK FENCE DETAIL	LAST REVISED: 11/14/17
		FN01



**NOTES:**  
 1. SEE NOTES IN DETAIL FN01 ON THIS SHEET.

Westwood	VEHICLE GATE	LAST REVISED: 11/14/17
		FN05A



**NOTES:**  
 1. SEE NOTES IN DETAIL FN01 ON THIS SHEET.

Westwood	PERSONNEL GATE	LAST REVISED: 01/08/19
		FN05B

PREPARED FOR:



100 N 6th St. #218c  
 Minneapolis, MN 55403

REVISIONS:		
#	DATE	COMMENT
A	07/26/19	Issued for 90% Review



**USS Buckaroo Solar LLC**  
 Clay County, Minnesota  
 14001 90th Ave. N.  
 Glydon, MN 56547

Construction Details

NOT FOR CONSTRUCTION

DATE: 07/26/2019

SHEET: C.400

P:\031370-180-0000\CAD\031370-180-0000-07-08.dwg 7/26/2019 4:03:58 PM Eric Ellstrom

PREPARED FOR:



100 N 6th St. #218c  
Minneapolis, MN 55403

REVISIONS:		
#	DATE	COMMENT
A	07/26/19	Issued for 90% Review



## USS Buckaroo Solar LLC

Clay County, Minnesota

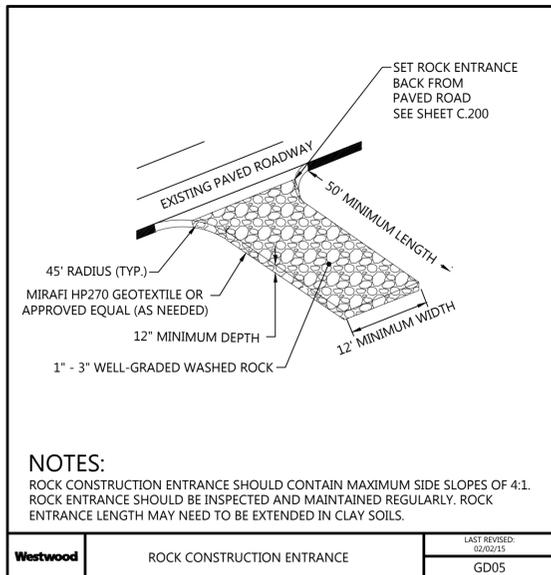
14001 90th Ave. N.  
Glydon, MN 56547

Construction Details

NOT FOR CONSTRUCTION

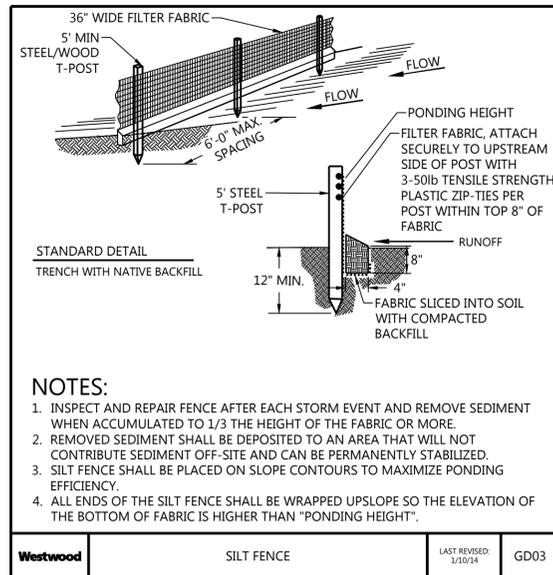
DATE: 07/26/2019

SHEET: C.401



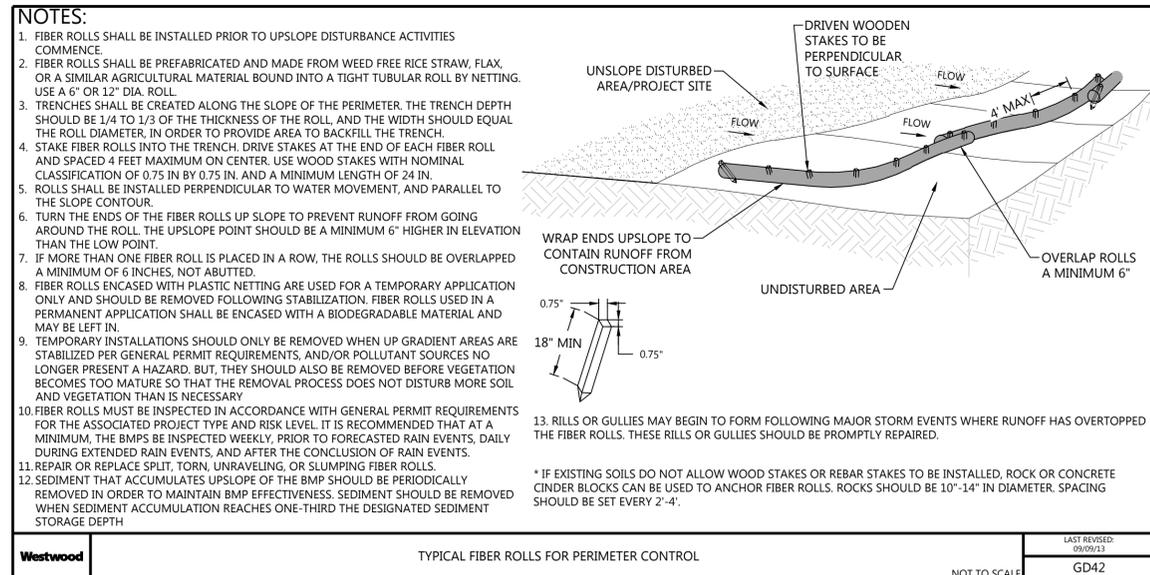
**NOTES:**  
ROCK CONSTRUCTION ENTRANCE SHOULD CONTAIN MAXIMUM SIDE SLOPES OF 4:1. ROCK ENTRANCE SHOULD BE INSPECTED AND MAINTAINED REGULARLY. ROCK ENTRANCE LENGTH MAY NEED TO BE EXTENDED IN CLAY SOILS.

Westwood	ROCK CONSTRUCTION ENTRANCE	LAST REVISED: 02/02/15	GD05
----------	----------------------------	------------------------	------



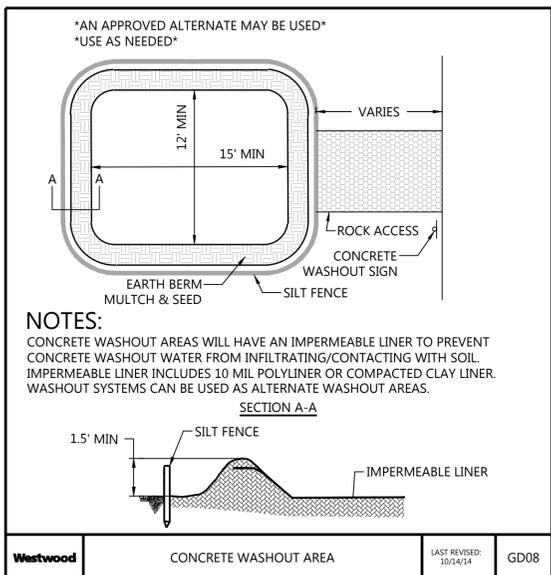
**NOTES:**  
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN ACCUMULATED TO 1/3 THE HEIGHT OF THE FABRIC OR MORE.  
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.  
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.  
4. ALL ENDS OF THE SILT FENCE SHALL BE WRAPPED UPSLOPE SO THE ELEVATION OF THE BOTTOM OF FABRIC IS HIGHER THAN "PONDING HEIGHT".

Westwood	SILT FENCE	LAST REVISED: 1/10/14	GD03
----------	------------	-----------------------	------



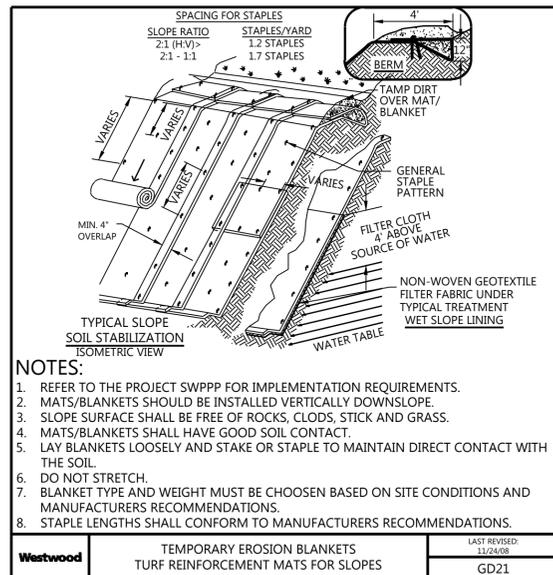
**NOTES:**  
1. FIBER ROLLS SHALL BE INSTALLED PRIOR TO UPSLOPE DISTURBANCE ACTIVITIES COMMENCE.  
2. FIBER ROLLS SHALL BE PREFABRICATED AND MADE FROM WEED FREE RICE STRAW, FLAX, OR A SIMILAR AGRICULTURAL MATERIAL BOUND INTO A TIGHT TUBULAR ROLL BY NETTING. USE A 6" OR 12" DIA. ROLL.  
3. TRENCHES SHALL BE CREATED ALONG THE SLOPE OF THE PERIMETER. THE TRENCH DEPTH SHOULD BE 1/4 TO 1/3 OF THE THICKNESS OF THE ROLL, AND THE WIDTH SHOULD EQUAL THE ROLL DIAMETER, IN ORDER TO PROVIDE AREA TO BACKFILL THE TRENCH.  
4. STAKE FIBER ROLLS INTO THE TRENCH. DRIVE STAKES AT THE END OF EACH FIBER ROLL AND SPACED 4 FEET MAXIMUM ON CENTER. USE WOOD STAKES WITH NOMINAL CLASSIFICATION OF 0.75 IN BY 0.75 IN. AND A MINIMUM LENGTH OF 24 IN.  
5. ROLLS SHALL BE INSTALLED PERPENDICULAR TO WATER MOVEMENT, AND PARALLEL TO THE SLOPE CONTOUR.  
6. TURN THE ENDS OF THE FIBER ROLLS UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE ROLL. THE UPSLOPE POINT SHOULD BE A MINIMUM 6" HIGHER IN ELEVATION THAN THE LOW POINT.  
7. IF MORE THAN ONE FIBER ROLL IS PLACED IN A ROW, THE ROLLS SHOULD BE OVERLAPPED A MINIMUM OF 6 INCHES, NOT ABUTTED.  
8. FIBER ROLLS ENCASED WITH PLASTIC NETTING ARE USED FOR A TEMPORARY APPLICATION ONLY AND SHOULD BE REMOVED FOLLOWING STABILIZATION. FIBER ROLLS USED IN A PERMANENT APPLICATION SHALL BE ENCASED WITH A BIODEGRADABLE MATERIAL AND MAY BE LEFT IN.  
9. TEMPORARY INSTALLATIONS SHOULD ONLY BE REMOVED WHEN UP GRADIENT AREAS ARE STABILIZED PER GENERAL PERMIT REQUIREMENTS, AND/OR POLLUTANT SOURCES NO LONGER PRESENT A HAZARD. BUT, THEY SHOULD ALSO BE REMOVED BEFORE VEGETATION BECOMES TOO MATURE SO THAT THE REMOVAL PROCESS DOES NOT DISTURB MORE SOIL AND VEGETATION THAN IS NECESSARY.  
10. FIBER ROLLS MUST BE INSPECTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS FOR THE ASSOCIATED PROJECT TYPE AND RISK LEVEL. IT IS RECOMMENDED THAT AT A MINIMUM, THE BMPs BE INSPECTED WEEKLY, PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AND AFTER THE CONCLUSION OF RAIN EVENTS.  
11. REPAIR OR REPLACE SPLIT, TORN, UNRAVELING, OR SLUMPING FIBER ROLLS.  
12. SEDIMENT THAT ACCUMULATES UPSLOPE OF THE BMP SHOULD BE PERIODICALLY REMOVED IN ORDER TO MAINTAIN BMP EFFECTIVENESS. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-THIRD THE DESIGNATED SEDIMENT STORAGE DEPTH.

Westwood	TYPICAL FIBER ROLLS FOR PERIMETER CONTROL	LAST REVISED: 09/09/13	GD42
----------	---	------------------------	------



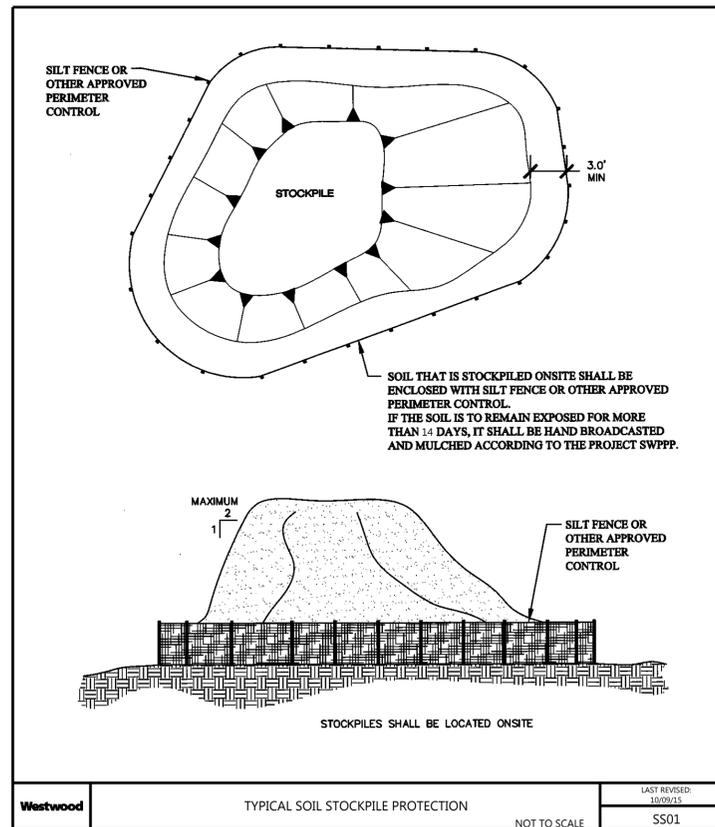
**NOTES:**  
CONCRETE WASHOUT AREAS WILL HAVE AN IMPERMEABLE LINER TO PREVENT CONCRETE WASHOUT WATER FROM INFILTRATING/CONTACTING WITH SOIL. IMPERMEABLE LINER INCLUDES 10 MIL POLYLINER OR COMPACTED CLAY LINER. WASHOUT SYSTEMS CAN BE USED AS ALTERNATE WASHOUT AREAS.

Westwood	CONCRETE WASHOUT AREA	LAST REVISED: 10/14/14	GD08
----------	-----------------------	------------------------	------



**NOTES:**  
1. REFER TO THE PROJECT SWPPP FOR IMPLEMENTATION REQUIREMENTS.  
2. MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.  
3. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICK AND GRASS.  
4. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.  
5. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL.  
6. DO NOT STRETCH.  
7. BLANKET TYPE AND WEIGHT MUST BE CHOSEN BASED ON SITE CONDITIONS AND MANUFACTURERS RECOMMENDATIONS.  
8. STAPLE LENGTHS SHALL CONFORM TO MANUFACTURERS RECOMMENDATIONS.

Westwood	TEMPORARY EROSION BLANKETS TURF REINFORCEMENT MATS FOR SLOPES	LAST REVISED: 11/24/09	GD21
----------	--	------------------------	------



Westwood	TYPICAL SOIL STOCKPILE PROTECTION	LAST REVISED: 10/09/15	SS01
----------	-----------------------------------	------------------------	------

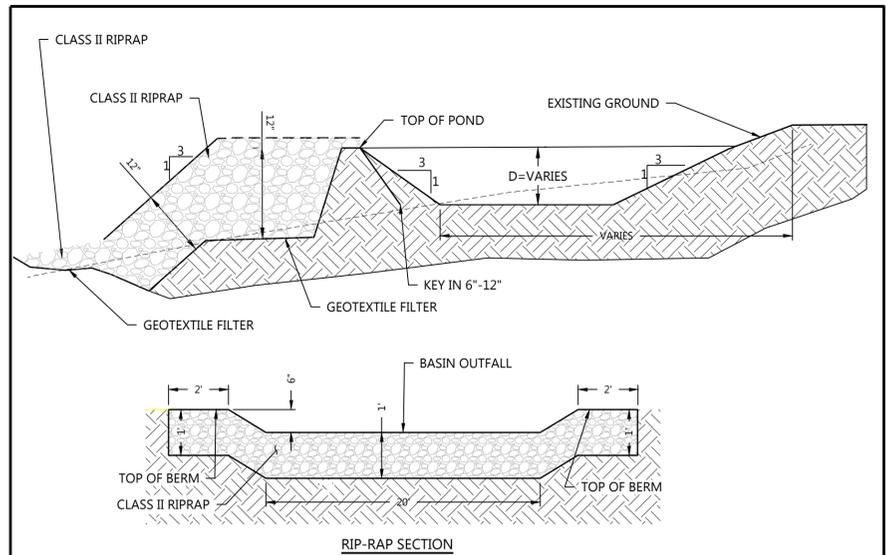
PREPARED FOR:



100 N 6th St. #218c  
Minneapolis, MN 55403

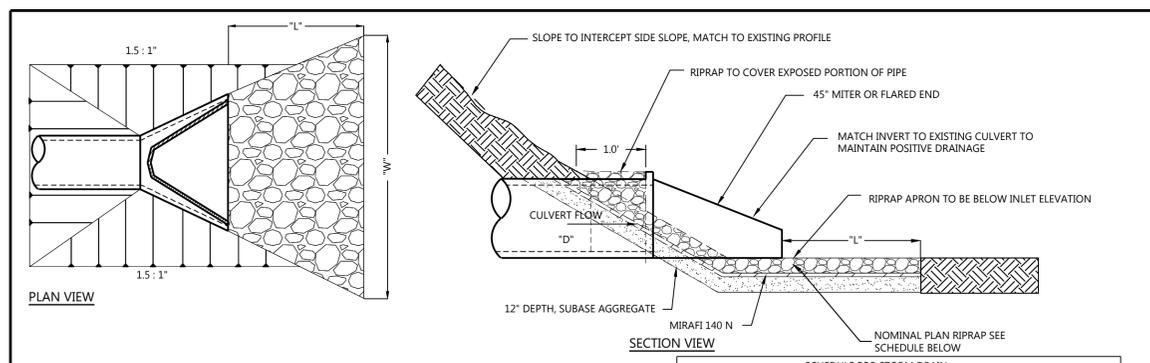
REVISIONS:

#	DATE	COMMENT
A	07/26/19	Issued for 90% Review



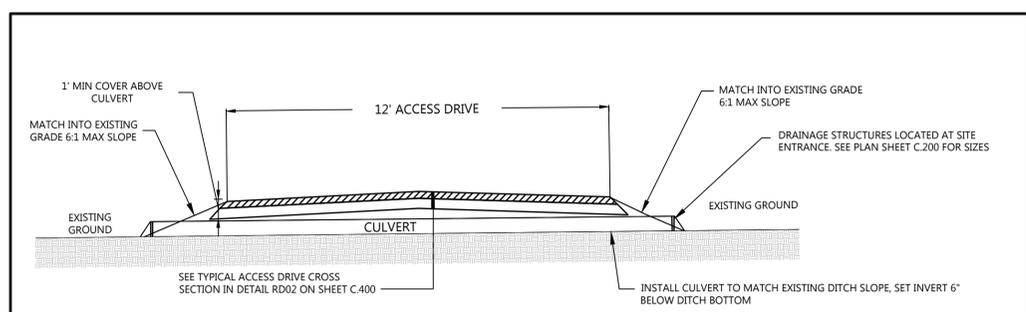
**NOTES:**  
1. OUTLET SEE PLANS FOR ELEVATIONS  
2. TOP OF BERM SEE PLANS FOR ELEVATIONS

Westwood TYPICAL INFILTRATION BASIN AND OVERFLOW CROSS SECTION LAST REVISED: 11/23/16 GD02

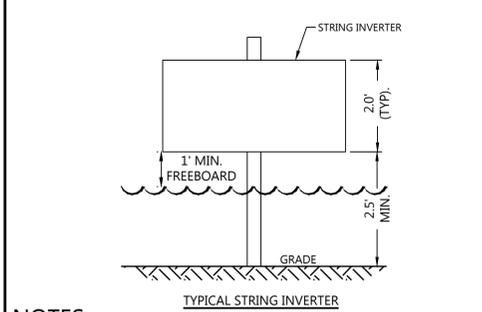
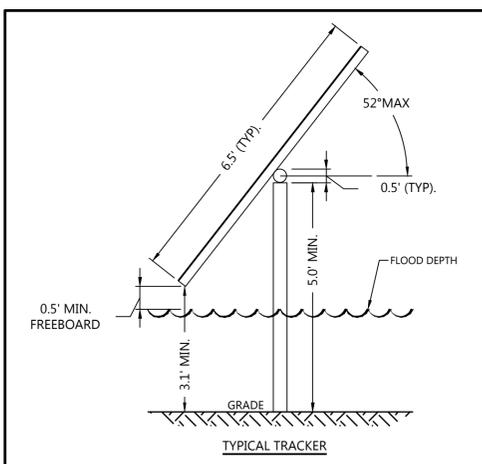


**NOTES:**  
1. RIPRAP GRADATION AND PLACEMENT - THE RIPRAP GRADATION SHALL BE A WELL-GRADED MIX FROM ABOUT 1.5 TIMES THE  $D_{50}$  SIZE TO ABOUT 25 PERCENT OF THE  $D_{50}$  SIZE. THE RIPRAP STONES SHALL BE CAREFULLY PLACED WORKING FROM THE TOE OF THE SLOPED UPWARD. THE STONES SHOULD BE LOWERED TO THE SLOPE AND NOT BE ALLOWED TO DROP MORE THAN 12 INCHES ONTO THE GEOTEXTILE. THE FINISHED SURFACE SHALL BE A RELATIVELY SMOOTH UNIFORMLY SLOPED SURFACE.

Westwood PIPE/CULVERT OUTLET APRON LAST REVISED: 09/24/13 GD04



Westwood TYPICAL CULVERT SECTION VIEW LAST REVISED: 09/24/13 GD01



**NOTES:**  
1. ALL DIMENSION ARE APPROXIMATE. REFERENCE STRUCTURAL DRAWINGS FOR SPECIFIC HEIGHT REQUIREMENTS.  
2. SEE SHEET C.300 FOR MAXIMUM FLOOD DEPTHS.

Westwood TYPICAL FLOOD DEPTH CRITERIA LAST REVISED: 01/27/19 FL01

**USS Buckaroo Solar LLC**  
Clay County, Minnesota  
14001 90th Ave. N.  
Glydon, MN 56547

Construction Details

NOT FOR CONSTRUCTION

DATE: 07/26/2019

SHEET: C.402

P:\0313701.00\Drawings\Civil\0313701.00.dwg, 7/26/2019 4:03:34 PM, Eric Blum

**ACCESS DRIVE DESIGN PARAMETERS**

1. THE DRIVE HAS BEEN DESIGNED TO ACCOMMODATE LOADS DURING CONSTRUCTION AND LIGHT DUTY TRUCKS FOR LOW VOLUME USE IN NORMAL OPERATING CONDITIONS. THE DRIVE DESIGN SPECIFIED IS NOT INTENDED FOR ALL WEATHER USE FOR HEAVY DUTY, HIGH VOLUME, CONSTRUCTION LOADS.
2. DRIVE MAINTENANCE CAN BE EXPECTED DURING CONSTRUCTION AND OVER THE LIFE OF THE PERMANENT FACILITY.
3. DRIVE SECTION AND SPECIFICATION SHOWN ON THE PLANS ARE BASED ON OWNER REQUIREMENTS AND MAY DIFFER FROM THE FINAL GEOTECHNICAL REPORT AND RECOMMENDATIONS FROM THE ENGINEER OF RECORD.

**PRODUCTS**

1. ACCESS DRIVE AGGREGATE SHALL CONSIST OF CRUSHED CLASS 5 AGGREGATE BASE MEETING MNDOT SPEC 3138 AND THE GRADATION PROVIDED IN TABLE 1A.
2. CULVERTS: SEE PLAN FOR DRAINAGE CULVERT LOCATIONS. ACCESS DRIVE CULVERTS SHALL MEET THE MINIMUM SPECIFICATIONS SET FORTH BY THE MINNESOTA DEPARTMENT OF TRANSPORTATION AND/OR CLAY COUNTY, MN. ALL MANUFACTURED OF CORRUGATED METAL PIPE OR APPROVED EQUAL.
3. GEOTEXTILE FABRIC FOR ACCESS DRIVES SHALL BE MIRAFI HP270 AND FOR PONDS SHALL BE MNDOT 3733 TYPE IV OR APPROVED EQUAL.
4. EXCAVATED SOILS THROUGHOUT PROJECT MAY BE USED AS STRUCTURAL FILL OR THIN SPREAD ON THE PROJECT PROPERTY. STRUCTURAL FILL SHALL BE CLEAN OF FROZEN MATERIAL, DEBRIS AND ORGANIC MATERIAL.

**EXECUTION**

**1. SITE PREPARATION**

- A. THE CONTRACTOR SHALL BE REQUIRED TO CLEAR AND GRUB AREAS DESIGNATED ON THE PLANS REMOVING ALL TREES, STUMPS, BRUSH AND DEBRIS. TREES AND BRUSH LOCATED OUTSIDE OF THE PROJECT FENCE SHALL NOT BE DISTURBED EXCEPT WHERE NOTED ON THE PLANS. SEE SHEET C.300 FOR LOCATIONS OF TREE REMOVAL AND WHERE STUMPS SHALL BE REMOVED OR REMAIN.
- B. AREAS THAT ARE NOT TO BE CLEARED AND GRUBBED SHALL HAVE ANY EXISTING VEGETATION MOWED TO A MAXIMUM HEIGHT OF 6 INCHES.
- C. THE CONTRACTOR SHALL PRESERVE OTHER EXISTING VEGETATION TO THE MAXIMUM EXTENT PRACTICABLE. ANY VEGETATION THAT IS REMOVED SHALL ONLY BE ALLOWED WITHIN THE PROJECT BOUNDARY. THE CONTRACTOR IS TO REMOVE ONLY THAT VEGETATION WHICH SHALL BE DESIGNATED BY THE OWNERS REPRESENTATIVE FOR REMOVAL, AND SHALL EXERCISE EXTREME CARE AROUND EXISTING VEGETATION TO BE SAVED. CONSTRUCTION FENCING MAY BE INSTALLED TO PROTECT AREAS THAT ARE NOT TO BE DISTURBED.
- D. NO BURNING OF DEBRIS IS ALLOWED WITHOUT THE NECESSARY PERMITS FROM JURISDICTIONAL GOVERNING AUTHORITIES AND APPROVAL BY THE OWNER.

**2. FILL MATERIALS AND PLACEMENT**

- A. ALL STRUCTURAL FILL MATERIALS SHALL BE INORGANIC SOILS FREE OF VEGETATION, DEBRIS, FROZEN SOIL, AND FRAGMENTS LARGER THAN THREE (3) INCHES IN SIZE. PEA GRAVEL OR OTHER SIMILAR NON-CEMENTITIOUS, POORLY-GRADED MATERIALS SHALL NOT BE USED AS FILL OR BACKFILL WITHOUT THE PRIOR APPROVAL OF THE GEOTECHNICAL ENGINEER.
- B. CLEAN ON-SITE SOILS OR APPROVED IMPORTED MATERIAL MAY BE USED AS STRUCTURAL FILL MATERIAL FOR SITE GRADING IN ARRAY AREAS AND BELOW ACCESS ROADS. THIS MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 8".
- C. ANY IMPORTED SOILS MUST HAVE EXPANSION INDEX VALUES IN THE "VERY LOW" RANGE AND MEET THE GRADATION PROVIDED IN TABLE 4.

**ACCESS DRIVE CONSTRUCTION AND SITE GRADING**

**1. TOPSOIL MANAGEMENT**

- A. TOPSOIL SHALL BE STRIPPED FROM ALL DRIVEWAY AREAS A MINIMUM OF 8" OR WHERE THE ROOT ZONE EXTENDS TO A DEEPER DEPTH. TOPSOIL STRIPPING SHALL OCCUR FOR ANY AREAS WHERE FILL WILL BE PLACED.
- B. STRIPPED MATERIALS CONSISTING OF VEGETATION AND ORGANIC MATERIALS SHALL BE STOCKPILED ON THE SITE. STOCKPILES WITHIN THE SITE SHALL HAVE TEMPORARY EROSION AND SEDIMENT CONTROL APPLIED IN ACCORDANCE WITH THE PROJECT SWPPP OR USED TO REVEGETATE LANDSCAPED AREAS OR EXPOSED SLOPES AFTER COMPLETION OF GRADING OPERATIONS. IF IT IS NECESSARY TO DISPOSE OF ORGANIC MATERIALS ON-SITE THEY SHALL BE PLACED IN NON-STRUCTURAL AREAS.

**2. INTERNAL DRIVE EMBANKMENT**

- A. EMBANKMENT CONSTRUCTION SHALL CONSIST OF PLACING SUITABLE FILL MATERIAL, AFTER TOPSOIL STRIPPING, ABOVE THE EXISTING GRADE AS INDICATED ON CIVIL PLANS. GENERALLY, THE INTERNAL DRIVE EMBANKMENT SHALL HAVE COMPACTED SUPPORT SLOPES OF THREE FEET HORIZONTAL AND ONE FOOT VERTICAL.
- B. THE STRUCTURAL FILL FOR EMBANKMENT CONSTRUCTION SHALL BE GENERATED ON SITE BY THE CONTRACTOR FROM THE IDENTIFIED BORROW AREA, IF APPLICABLE. THIS MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 8".
- C. ALL SLOPES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GRADING SHOWN ON THE PLANS.
- D. EXPOSED SURFACES SHALL BE FREE OF MOUNDS AND DEPRESSIONS WHICH COULD PREVENT UNIFORM COMPACTION. SEE TABLE 2 FOR TESTING REQUIREMENTS AND TABLE 3 FOR COMPACTION REQUIREMENTS.

**3. SITE GRADING**

- A. SUBSEQUENT TO THE SURFACE CLEARING, GRUB AND REMOVE TOPSOIL IN ALL GRADING AREAS ON THE PLAN, THE SUBSURFACE SOILS SHALL HAVE THE GRADES AND ELEVATIONS MODIFIED AS SHOWN ON THE PLANS. THE PROPOSED CONTOURS AND ELEVATIONS SHOWN ON THE PLANS ARE TO FINISHED GRADE. TOPSOIL SHALL BE STOCKPILED ON-SITE TO BE REPLACED ON THE TOP 6" OF FINISHED GRADES AND BASIN AREAS.
- B. SUBSURFACE SOILS SHALL BE MOISTURE CONDITIONED AND COMPACTED TO THE SPECIFICATIONS OF TABLE 3.
- C. CLEAN, ORGANIC FREE, ON-SITE SOILS OR APPROVED IMPORTED MATERIAL MAY BE USED AS SUBGRADE MATERIAL FOR GENERAL SITE GRADING.

**3. SUBGRADE PREPARATION**

- A. SUBSEQUENT TO THE SURFACE CLEARING, GRUBBING, TOPSOIL REMOVAL AND EMBANKMENT CONSTRUCTION, THE EXPOSED SUBGRADE SOILS SHALL BE SCARIFIED TO A MINIMUM DEPTH OF TWELVE (12) INCHES, MOISTURE CONDITIONED AND COMPACTED TO THE SPECIFICATIONS OF TABLE 3. THE COMPACTED EXPOSED SUBGRADES SHALL BE PROOF ROLLED AND OBSERVED BY A GEOTECHNICAL ENGINEER TO DETERMINE IF SOFT SOILS EXIST. IF SOFT SOILS EXIST THEY SHALL BE SCARIFIED AND ALLOWED TO DRY, RECOMPACTED AND TESTED AGAIN. IF THEY CONTINUE TO REMAIN SOFT, FOLLOWING SCARIFICATION, DRYING AND RECOMPACTION EFFORTS ADDITIONAL AGGREGATE MAY BE ADDED FOR STABILITY.
- B. CLEAN, ORGANIC FREE, ON-SITE SOILS OR APPROVED IMPORTED MATERIAL MAY BE USED AS SUBGRADE MATERIAL FOR GENERAL SITE GRADING AND DRIVEWAY AREAS.

**4. AGGREGATE PLACEMENT**

- A. ACCESS DRIVES - SUBSEQUENT TO THE SUBGRADE PREPARATION THE DRIVE AGGREGATE BASE SHALL BE PLACED AND COMPACTED TO THE SPECIFICATIONS IDENTIFIED IN TABLE 3.
- B. CLASS II RIP-RAP - AT STORMWATER BASIN, RIP-RAP QUALITY SHALL COMPLY WITH MNDOT SPECIFICATION 3601 AND THE GRADATION IDENTIFIED IN TABLE 1B.

**5. TOPSOIL REDISTRIBUTION AND STABILIZATION**

- A. FOLLOWING THE PLACEMENT OF THE AGGREGATE BASE AND APPROVAL OF THE TESTING, TOPSOIL SHALL BE DISTRIBUTED IN THE AREAS INDICATED ON SHEET C. 300.
- B. FOLLOWING SITE GRADING OPERATIONS, TOPSOIL CAN BE USED TO BRING THE GROUND ELEVATIONS UP TO THE DESIGNED FINISHED GRADE ELEVATIONS. THE TOP 6" OF FINISHED GRADE IN AREAS TO BE SEEDED (INCLUDING PERMANENT STORMWATER BASINS) SHALL CONSIST OF TOPSOIL.
- C. THE TOPSOIL SHALL HAVE TEMPORARY AND PERMANENT STABILIZATION MEASURES ESTABLISHED IN ACCORDANCE WITH THE PROJECT SWPPP.

SIEVE SIZE	PERCENT PASSING
1"	(100)
3/4"	(90-100)
3/8"	(50-90)
#4	(35-80)
#10	(20-65)
#40	(10-35)
#200	(3.0-10.0)

WEIGHT (LBS)	PERCENT PASSING
120	100
50	75
15	50
2 (INCHES)	10

LOCATION	TEST	FREQUENCY
STRUCTURAL FILL	GRAIN SIZE ANALYSIS, MOISTURE CONTENT, AND PROCTOR	1 PER MAJOR SOIL TYPE
	MOISTURE DENSITY TEST (NUCLEAR DENSITY)	1 PER 1 FOOT VERTICAL LIFTS AND/OR 200 C.Y. OF MATERIAL
COMPACTED SUBGRADE	PROOF-ROLL	ENTIRE LENGTH
AGGREGATE BASE	PROOF-ROLL	ENTIRE LENGTH
	SIEVE ANALYSIS	1 PER 2000 C.Y.

MATERIAL TYPE AND LOCATION	MINIMUM COMPACTION REQUIREMENT (%)	RANGE OF MOISTURE CONTENTS FOR COMPACTION (% OVER OPTIMUM)	
		MINIMUM	MAXIMUM
AGGREGATE BASE:	95	-2%	2%
STRUCTURAL FILL:	95	-2%	2%
NON-STRUCTURAL FILL:	90	-4%	4%

**TABLE 4: MNDOT SPEC 3149, TABLE 3149-4 (IMPORTED STRUCTURAL FILL)**

SIEVE SIZE	PERCENT PASSING
3/4"	(100)
#40	(0-65)
#200	(0-10)

1. PROVIDE SCREENED MATERIAL MEETING THE REQUIREMENTS OF 3137.2.B.3, "CLASSIFICATION" FOR CLASS C.
2. PROVIDE MATERIAL WITH A MINIMUM ANGLE OF FRICTION OF 34° IN ACCORDANCE WITH AASHTO T. 236. PERFORM TESTS ON THE SAMPLE PORTION PASSING THE NO. 10 SIEVE AND COMPACTED TO 95 PERCENT OF MOISTURE DENSITY TEST METHOD (PROCTOR).

**TESTING REQUIREMENTS:**

**DEFINITIONS**

1. THE CONTRACTOR SHALL SUBMIT MATERIAL TESTING REPORTS AS SHOWN ON THE DRAWINGS AS WELL AS GEOTEXTILE MATERIAL TO BE USED DURING CONSTRUCTION.
2. TESTING SHALL BE PERFORMED BY A DESIGNATED INDEPENDENT TESTING AGENCY.
3. SUBMIT TESTING AND INSPECTION RECORDS SPECIFIED TO THE CIVIL ENGINEER OF RECORD FOR REVIEW.
  - A. THE ENGINEER WILL REVIEW THE TESTING AND INSPECTION RECORDS TO CHECK CONFORMANCE WITH THE DRAWINGS AND SPECIFICATIONS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONSTRUCTION CONTRACTOR FROM THE RESPONSIBILITY FOR CORRECTING DEFECTIVE WORK.
4. PROOF ROLLING SHALL BE PERFORMED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER OR QUALIFIED GEOTECHNICAL REPRESENTATIVE USING A FULLY LOADED TANDEM AXLE DUMP TRUCK WITH A MINIMUM GROSS WEIGHT OF 25 TONS OR A FULLY LOADED WATER TRUCK WITH AN EQUIVALENT AXLE LOADING. PROOF-ROLLING ACCEPTANCE STANDARDS INCLUDE NO RUTTING GREATER THAN 1.5 INCHES, AND NO "PUMPING" OF THE SOIL BEHIND THE LOADED TRUCK.
5. SIEVE ANALYSIS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM C136
6. PROCTORS SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D698
7. MOISTURE DENSITY (NUCLEAR DENSITY) TESTING SHALL BE DONE IN ACCORDANCE WITH ASTM D2922
8. EXPANSION INDEX TESTING SHALL BE DONE IN ACCORDANCE WITH ASTM D4829-11

**REQUIREMENTS**

1. COMPACTION:
  - A. REFER TO TABLE 3 FOR COMPACTION REQUIREMENTS AND ACCEPTABLE MOISTURE CONTENTS.
2. IMPORTED FILL MATERIAL:
  - A. IMPORTED SOILS USED AS FILL MATERIAL SHALL BE TESTED FOR GRAIN SIZE ANALYSIS, MOISTURE CONTENT, ATTERBERG LIMITS, PROCTOR TESTS, AND MAXIMUM EXPANSION INDEX.
3. COMPACTED SUBGRADE:
  - A. THE ENTIRE INTERNAL/ACCESS DRIVE SUBGRADE SHALL BE PROOF-ROLLED PRIOR TO THE PLACEMENT OF THE AGGREGATE BASE TO IDENTIFY AREAS OF UNSTABLE SUBGRADE. IF UNSTABLE SUBGRADE IS ENCOUNTERED SCARIFY, MOISTURE CONDITION, AND RECOMPACT SOILS TO ACHIEVE COMPACTION.
4. AGGREGATE BASE:
  - A. AGGREGATE BASE SHALL BE PROOF-ROLLED OVER THE ENTIRE LENGTH. IF PROOF ROLLING DETERMINES THAT THE DRIVE IS UNSTABLE, ADDITIONAL AGGREGATE SHALL BE ADDED UNTIL THE UNSTABLE SECTION IS ABLE TO PASS A PROOF ROLL FOR ALL DRIVE CLASSIFICATIONS.
  - B. PROVIDE 1 SIEVE ANALYSIS PER 2000 CY OF DRIVE AGGREGATE BASE PLACED.
5. STRUCTURAL FILL:
  - A. PROVED GRAIN SIZE ANALYSIS, MOISTURE CONTENT, AND PROCTOR TESTS ONCE PER MAJOR SOIL TYPE.
  - B. PROVIDE MOISTURE DENSITY COMPACTION TESTS ONCE PER 1 FOOT VERTICAL LIFTS AND/OR 200 C.Y. OF COMPACTED FILL MATERIAL.
6. PROVIDE ALL TEST RESULTS TO OWNER AND ENGINEER FOR THEIR RECORDS.

**TRAFFIC CONTROL:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGGERS AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE CITY/COUNTY AND ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST VERSION OF THE MINNESOTA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

**GENERAL NOTES:**

1. CONSTRUCTION PLANS ARE BASED OFF THE NSRS 2011 MINNESOTA STATE PLANES, CENTRAL ZONE COORDINATE SYSTEM, US FOOT
2. THE ALTA SURVEY AND EXISTING PLANIMETRIC DATA WAS PROVIDED BY WESTWOOD PROFESSIONAL SERVICES.
3. ALL DIMENSIONS ARE TO PROJECT BOUNDARY, EDGE OF GRAVEL, FENCE LINES AND SOLAR PANELS UNLESS OTHERWISE NOTED.
4. THE GROUND SURFACE CONTOURS (AT ONE-FOOT VERTICAL INTERVALS) AND ELEVATIONS ARE BASED ON A LIDAR DATA. CONTRACTOR (AND ITS SUBCONTRACTORS) WILL NOTIFY THE ENGINEER AND OWNER OF DISCREPANCIES FOUND BETWEEN THE LIDAR SURVEY AND THE ACTUAL FIELD CONDITIONS.
5. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE OWNER SHALL BE NOTIFIED AND ARE NOT TO BE REMOVED WITHOUT PERMISSION FROM THE OWNER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
6. THE CONTRACTOR SHALL NOTIFY GOPHER ONE CALL (811 ONE CALL) AT LEAST 48 HOURS BEFORE EXCAVATION ACTIVITIES COMMENCE.
7. ELECTRONIC FILES ARE AVAILABLE FROM WESTWOOD PROFESSIONAL SERVICES FOR CONSTRUCTION OPERATIONS.
8. CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY FEATURES AND FACILITIES (INCLUDING DRAIN TILE) FOUND DURING CONSTRUCTION.

**EROSION AND SEDIMENT CONTROL / STORMWATER POLLUTION PREVENTION PLAN (SWPPP):**

1. PROJECT SWPPP PREPARED BY WESTWOOD.
2. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AS PLANNED AND SPECIFIED FOLLOWING BEST MANAGEMENT PRACTICES AS OUTLINED BY THE MINNESOTA POLLUTION CONTROL AGENCY (MPCA) AND BEING IN CONFORMANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL STORMWATER PERMIT. SEE THE PROJECT SITE PLANS AND ASSOCIATED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR EROSION CONTROL AND RESTORATION LOCATIONS AND SPECIFICATIONS. UNLESS OTHERWISE NOTED OR MODIFIED IN THE SWPPP/HEREIN, ALL CONDITIONS OF THE GENERAL PERMIT SHALL APPLY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SWPPP'S AVAILABILITY ON SITE.
4. ALL EROSION CONTROL FEATURES SHALL BE IN-PLACE PRIOR TO ANY EXCAVATION/CONSTRUCTION AND SHALL BE MAINTAINED UNTIL VIABLE TURF OR GROUND COVER HAS BEEN ESTABLISHED.
5. ALL DRAINAGE SWALES DISTURBED DURING CONSTRUCTION ACTIVITIES AND NOT COVERED BY DRIVE SURFACING MATERIALS, SHALL BE STABILIZED IN ACCORDANCE WITH THE SWPPP PLAN.

PREPARED FOR:



100 N 6th St. #218c  
Minneapolis, MN 55403

REVISIONS:

#	DATE	COMMENT
A	07/26/19	Issued for 90% Review



**USS Buckaroo Solar LLC**

Clay County, Minnesota

14001 90th Ave. N.  
Glydon, MN 56547

**Construction Notes**

**NOT FOR CONSTRUCTION**

DATE: 07/26/2019

SHEET: C.403



**SEEDING LEGEND**

- x — DENOTES PROPOSED SECURITY FENCE
- COMBINATION OF POLLINATOR MIX AND LOW GROWTH GRASS MIX - 7.66 AC
- LOW GROWTH/LOW MAINTENANCE GRASS MIX - 0.45 AC
- BASIN/POND MIX - 0.07 AC

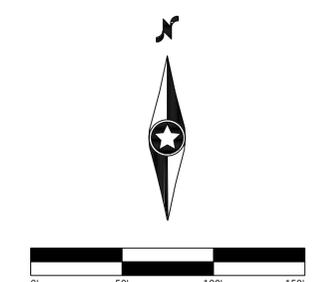
PREPARED FOR:



100 N 6th St. #218c  
Minneapolis, MN 55403

REVISIONS:

#	DATE	COMMENT
A	07/26/19	Issued for 90% Review



**USS Buckaroo  
Solar LLC**

Clay County, Minnesota  
14001 90th Ave. N.  
Glydon, MN 56547

**Landscaping Plan**

**NOT FOR CONSTRUCTION**

DATE: 07/26/2019

SHEET: C.500

P:\0313701\_08\Drawings\Civil\0313701\_08.dwg - PLOT DATE: 7/26/2019 1:04:14 PM EML/ELM

## POLLINATOR MIX

SEED MIX TO BE PROVIDED BY LANDSCAPE CONTRACTOR FOR REVIEW.

## LOW GROWTH/LOW MAINTENANCE GRASS MIX

SEED MIX TO BE PROVIDED BY LANDSCAPE CONTRACTOR FOR REVIEW.

## BASIN/POND MIX

SEED MIX TO BE PROVIDED BY LANDSCAPE CONTRACTOR FOR REVIEW.

## Seeding Notes

### NOTES:

1. SEEDING TO BE COMPLETED USING A DRILL SEED METHOD WHERE FEASIBLE. WHERE DRILL SEEDING IS NOT FEASIBLE THE APPLICATION OF SEED VIA ALTERNATE METHODS INCLUDING BUT NOT LIMITED TO, BROADCAST OR HYDROSEEDING.
2. BROADCAST SEEDING SHALL BE COMPLETED IF AMBIENT SOIL TEMPERATURE IS CONSISTENTLY 60 DEGREES F OR LOWER
3. IF NOT FROST SEEDING, DRILLING SHOULD OCCUR BETWEEN APRIL 1ST AND JUNE 1ST
4. THE CONTRACTOR SHALL NOT TILL OR FERTILIZE THE FIELDS, IF THE GROUND NEEDS TO TO BE TILLED, CONTRACTOR SHALL USE A VERTICAL PLOW

# Westwood

Phone (608) 821-6600 1800 Deming Way, Suite 102  
Middleton, WI 53562  
westwoodps.com

Westwood Professional Services, Inc.

PREPARED FOR:

# US/SOLAR

100 N 6th St. #218c  
Minneapolis, MN 55403

### REVISIONS:

#	DATE	COMMENT
A	07/26/19	Issued for 90% Review



## USS Buckaroo Solar LLC

Clay County, Minnesota

14001 90th Ave. N.  
Glydon, MN 56547

### Landscaping Details

**NOT FOR CONSTRUCTION**

DATE: 07/26/2019

SHEET: C.501