

TGC SOLAR 1

**327 SOUTH RIVER ROAD
TOLLAND, CT 06084**

APPLICANT

**WR-TGC SOLAR GENERATION XVI, LLC
C/O TRUE GREEN CAPITAL MANAGEMENT
18 KINGS HIGHWAY NORTH
WESTPORT, CONNECTICUT 06880**

LAND OWNER

**TOWN OF TOLLAND CONNECTICUT
21 TOLLAND GREEN
TOLLAND CONNECTICUT 06084**

**PROPERTY
MBLU 30/C/9/00**

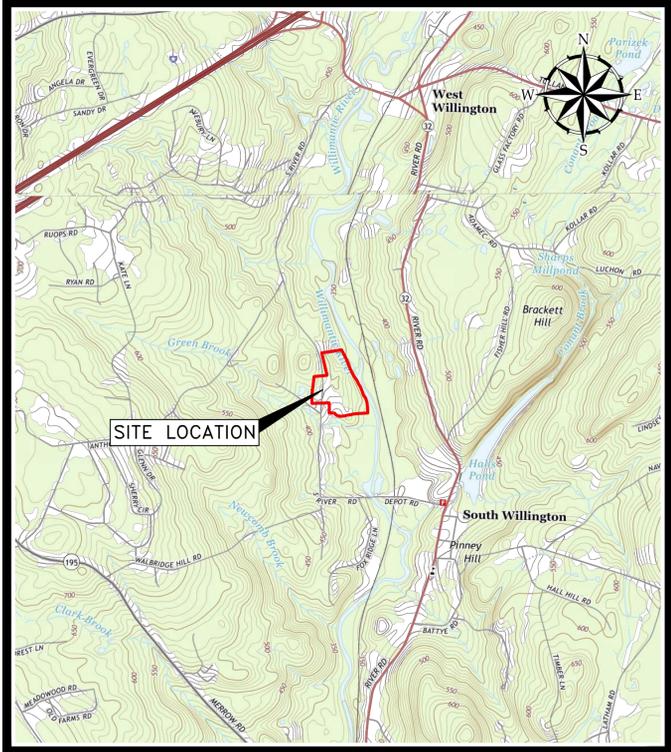
SHEET INDEX

- GENERAL
- G-001 COVER SHEET
- CIVIL
- C-100 EXISTING CONDITIONS PLAN & LEGEND
- C-101 SITE PLAN, GRADING AND EROSION CONTROL
- D-200 DETAILS - 1
- D-201 DETAILS - 2

**MARCH 2016
ENGINEER**

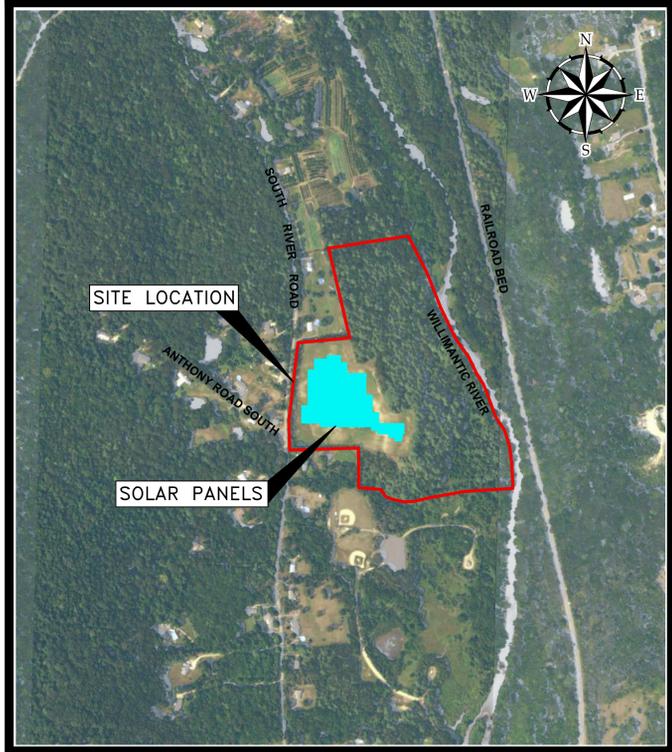


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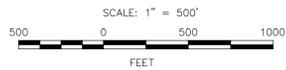
REFERENCE: USGS TOPOGRAPHIC MAP

SITE LOCATION MAP



REFERENCE: USGS NATIONAL DATABASE

SITE LOCATION AERIAL PHOTO



W:\228051-True Green Capital - CT Municipal Landfill\Map\228051-01 G001.dwg, Mar 11, 2016 - 2:55pm

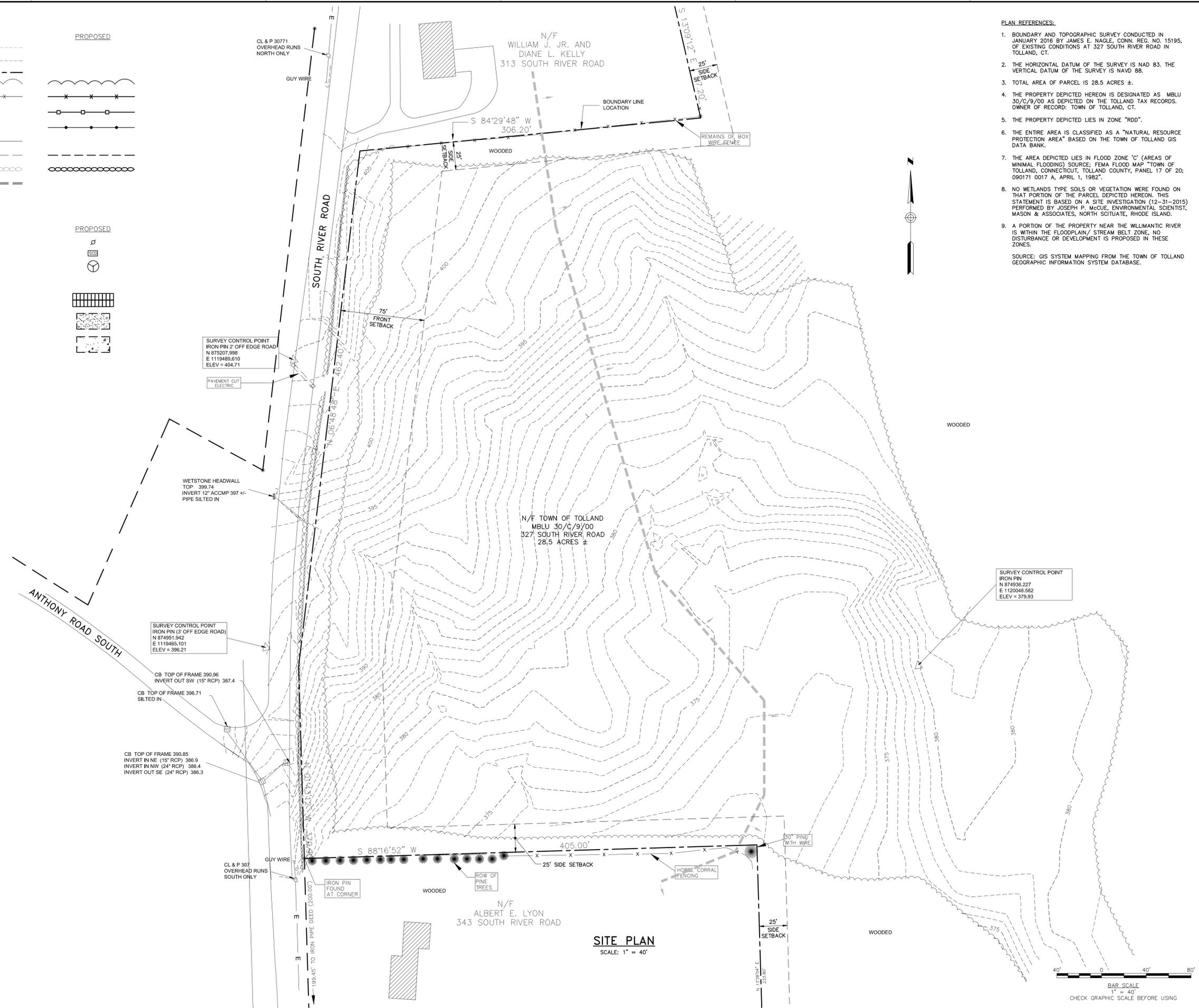
G-001

LINE TYPES

DESCRIPTION	EXISTING	PROPOSED
CONTOUR (1' INTERVAL)	---122---	
CONTOUR (INDEX)	---120---	
PROPERTY LINE	---	---
EDGE OF VEGETATION	~ ~ ~	~ ~ ~
CHAIN LINK FENCE	X X X	X X X
VINYL COATED CHAIN LINK FENCE	□ □ □	□ □ □
EROSION CONTROL BERM	• • •	• • •
EDGE OF PAVEMENT	---	---
EDGE OF GRAVEL	---	---
STONE WALL	○ ○ ○	○ ○ ○
ACQUIFER PROTECTION	---	---

SYMBOLS

DESCRIPTION	EXISTING	PROPOSED
UTILITY POLE	○	○
STONE CHECK DAM		▒
TREE	○	○
IRON PIN	○	○
MONUMENTS	□	□
SOLAR PANELS		▒
GRAVEL		▒
CONCRETE		▒

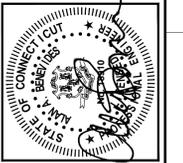


- PLAN REFERENCES:**
- BOUNDARY AND TOPOGRAPHIC SURVEY CONDUCTED IN JANUARY 2016 BY JAMES E. NAGLE, CONN. REG. NO. 15195, OF EXISTING CONDITIONS AT 327 SOUTH RIVER ROAD IN TOLLAND, CT.
 - THE HORIZONTAL DATUM OF THE SURVEY IS NAD 83. THE VERTICAL DATUM OF THE SURVEY IS NAVD 88.
 - TOTAL AREA OF PARCEL IS 28.5 ACRES ±.
 - THE PROPERTY DEPICTED HEREON IS DESIGNATED AS MBLU 30/C/9/00 AS DEPICTED ON THE TOLLAND TAX RECORDS. OWNER OF RECORD: TOWN OF TOLLAND, CT.
 - THE PROPERTY DEPICTED LIES IN ZONE "R0D".
 - THE ENTIRE AREA IS CLASSIFIED AS A "NATURAL RESOURCE PROTECTION AREA" BASED ON THE TOWN OF TOLLAND GIS DATA BANK.
 - THE AREA DEPICTED LIES IN FLOOD ZONE "C" (AREAS OF MINIMAL FLOODING) SOURCE: FEMA FLOOD MAP "TOWN OF TOLLAND, CONNECTICUT, TOLLAND COUNTY, PANEL 17 OF 20; 090171 0017 A, APRIL 1, 1982".
 - NO WETLANDS TYPE SOILS OR VEGETATION WERE FOUND ON THAT PORTION OF THE PARCEL DEPICTED HEREON. THIS STATEMENT IS BASED ON A SITE INVESTIGATION (12-31-2015) PERFORMED BY JOSEPH P. MCCUE, ENVIRONMENTAL SCIENTIST, MASON & ASSOCIATES, NORTH SCITUATE, RHODE ISLAND.
 - A PORTION OF THE PROPERTY NEAR THE WILLIMANTIC RIVER IS WITHIN THE FLOODPLAIN/STREAM BELT ZONE, NO DISTURBANCE OR DEVELOPMENT IS PROPOSED IN THESE ZONES.
- SOURCE: GIS SYSTEM MAPPING FROM THE TOWN OF TOLLAND GEOGRAPHIC INFORMATION SYSTEM DATABASE.

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REV	DESCRIPTION	DATE

DESIGNED BY: DLG
DRAWN BY: JBC
CHECKED BY: JAB
DATE: 2/28/2016 10:07:00 AM

**EXISTING CONDITIONS
PLAN & LEGEND**

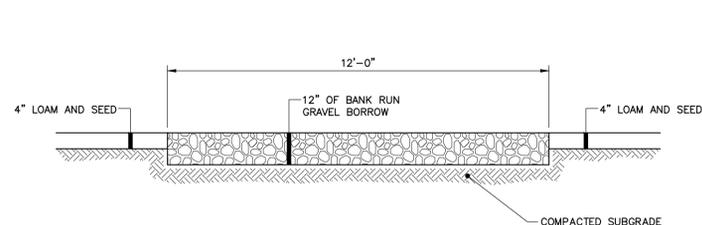
WR-TGC SOLAR GENERATION XVI, LLC
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WESTPORT, CONNECTICUT 06880

TGC SOLAR 1
327 SOUTH RIVER ROAD
TOLLAND, CT 06084

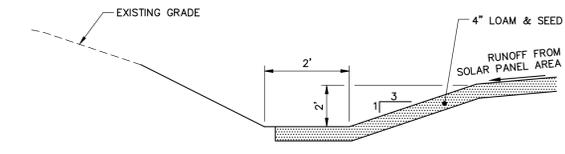
JOB NO.: 228051.01
DATE: MARCH 2016
SCALE: 1" = 40'
SHEET: 2 OF 5

C-100

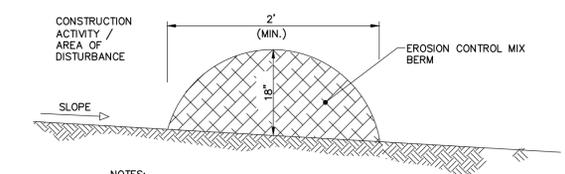
WoodardCurran.net\shared\Projects\228051.01_Tolland_South_River_Landfill\wp\228051.01_10x.dwg, Mar 11, 2016 - 3:16pm



GRAVEL ACCESS DETAIL
N.T.S.



VEGETATED SWALE
N.T.S.

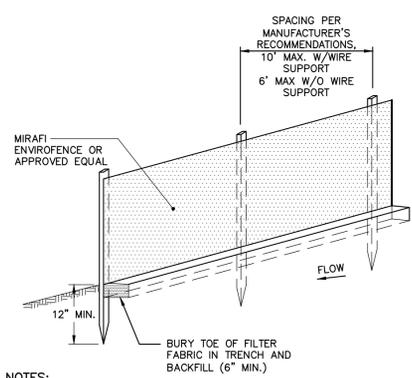


NOTES:
EROSION CONTROL MIX BERM MUST CONSIST PRIMARILY OF ORGANIC MATERIAL AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.

COMPOSITION:
EROSION CONTROL MIX SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX MUST BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH. THE MIX COMPOSITION SHALL MEET THE FOLLOWING STANDARDS:

- THE ORGANIC MATTER CONTENT SHALL BE BETWEEN 80 AND 100% DRY WEIGHT BASIS.
- PARTICLE SIZE BY WEIGHT SHALL BE 100% PASSING A 6" SCREEN AND A MINIMUM OF 70%, MAXIMUM OF 85% PASSING A 0.75" SCREEN.
- THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
- LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX.
- SOLUBLE SALTS CONTENT SHALL BE < 4.0 MMHOS/CM.
- THE PH SHOULD FALL BETWEEN 5.0 AND 8.0.

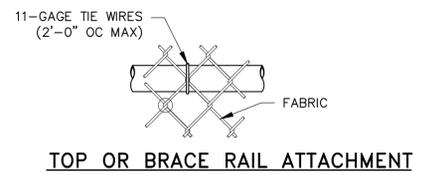
SEDIMENT BARRIER – EROSION CONTROL MIX BERM
N.T.S.



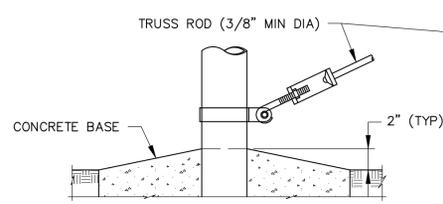
NOTES:

- INSTALL FABRIC ON UPHILL SIDE OF SUPPORT POSTS
- INSTALL SILT FENCE ACROSS SLOPES
- SILT FENCE SHALL NOT BE USED IN DRAINAGE WAYS

SEDIMENT BARRIER – SILTATION FENCE DETAIL
N.T.S.



TOP OR BRACE RAIL ATTACHMENT

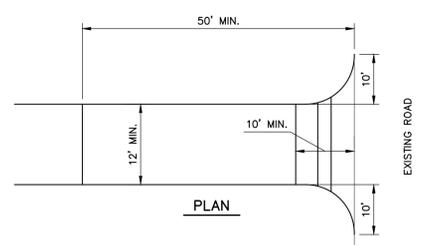


TRUSS ROD AND BAND

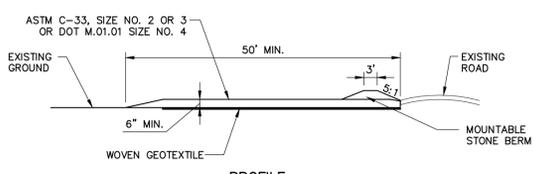
STEEL POST SCHEDULE	
USE AND SECTION	MINIMUM OUTSIDE DIMENSIONS (NOMINAL)
CORNER, END & PULL POSTS TUBULAR – ROUND	2.875" O.D.
LINE POSTS TUBULAR – ROUND	2.375" O.D.
TOP & BRACE RAILS TUBULAR – ROUND	1.66" O.D.

NOTES:

1. DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT OTHER TYPES OF FENCE SECTIONS AND METHODS OF INSTALLATION.
2. WIRE TIES, RAILS, POSTS, AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE OPPOSITE SIDE OF THE SECURE AREA.



PLAN



PROFILE

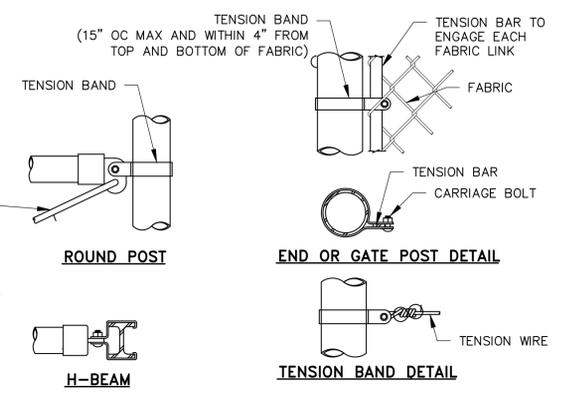
NOTES:

- CONSTRUCTION ENTRANCES MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
- WHEEL WASH PITS MAY ALSO BE USED, IF APPROVED.

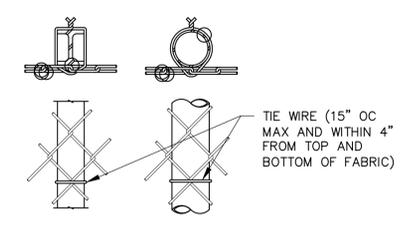
MAINTENANCE: INSPECT FOR EFFECTIVE REMOVAL OF SOIL FROM VEHICLES PRIOR TO LEAVING THE SITE. SWEEP ANY SOIL FROM ADJACENT ROADWAYS.

REMOVAL: AT LEAST ONE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL ALL AREAS OF THE SITE ARE STABILIZED.

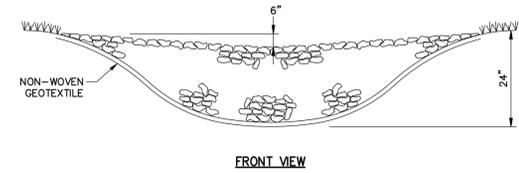
STABILIZED CONSTRUCTION ENTRANCE DETAIL
N.T.S.



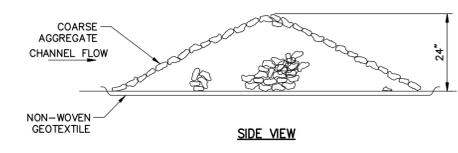
BRACE RAIL CLAMP DETAILS



LINE POST ATTACHMENTS



FRONT VIEW

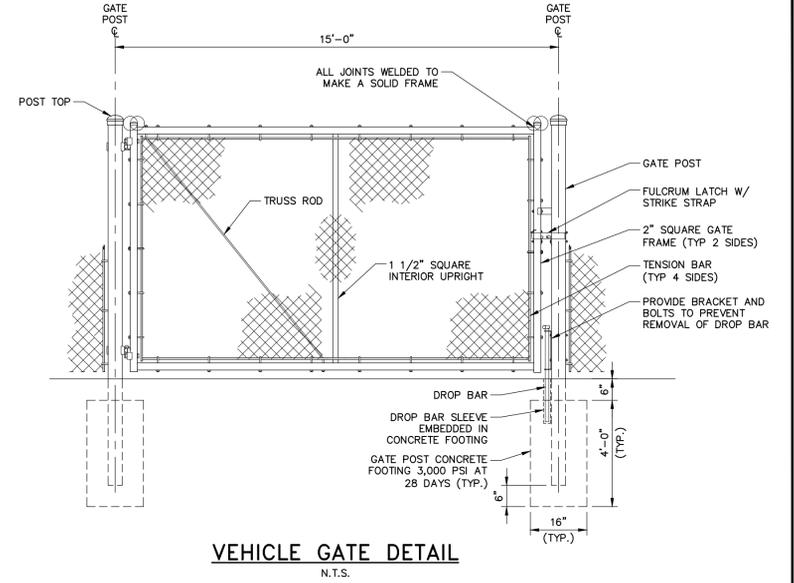


SIDE VIEW

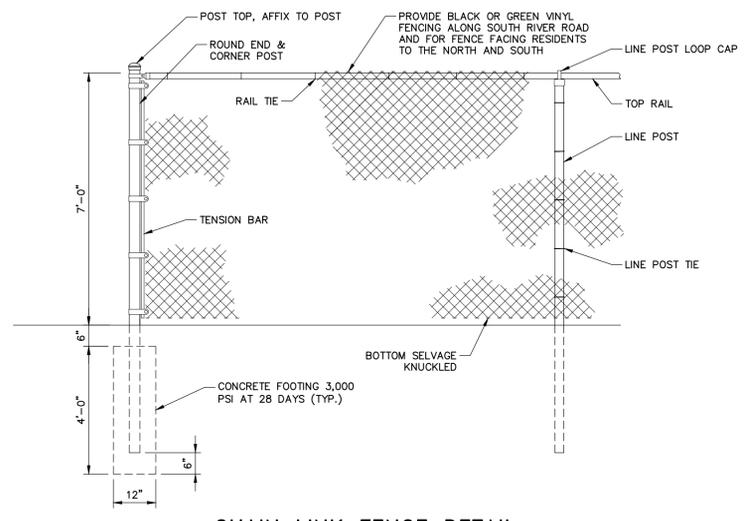
NOTES:

1. SPACING BETWEEN CHECK DAMS AS SHOWN ON PLANS.

STONE CHECK DAM
N.T.S.



VEHICLE GATE DETAIL
N.T.S.



CHAIN LINK FENCE DETAIL
N.T.S.

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REV.	DESCRIPTION	DATE

DESIGNED BY: DJC
CHECKED BY: AAB
DRAWN BY: JBC

DETAILS - 1

MR. TGC SOLAR GENERATION, LLC
C/O TRUE GREEN CAPITAL MANAGEMENT
16 KINGS HIGHWAY NORTH
WESTPORT, CONNECTICUT 06880

TGC SOLAR 1
327 SOUTH RIVER ROAD
TOLLAND, CT 06084

JOB NO.: 228051.01
DATE: MARCH 2016
SCALE: AS NOTED
SHEET: 4 OF 5

D-200

W:\228051_True Green Capital - CT Municipal Landfill\p\228051.01_Tolland_South_River_D200.dwg, Mar 11, 2016 - 2:56pm

