

SITE INFORMATION

SITE NAME/ADDRESS: TRI-COUNTY VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

PARCEL ID: 259-004-000-000

OWNER: TRI-COUNTY REGIONAL VOCATIONAL  
147 POND STREET  
FRANKLIN, MA 02038

APPLICANT: SUNEDISON  
100 TWINBRIDGE DRIVE, SUITE J  
PENNSAUKEN, NJ 08110

PV SYSTEM SPECIFICATIONS

INVERTER(S): (2) ADVANCED ENERGY 500kW INVERTER  
(AE 500 TX)

SOLAR MODULE: (3,960) MEMC 330W (MEMC-M330BMC)

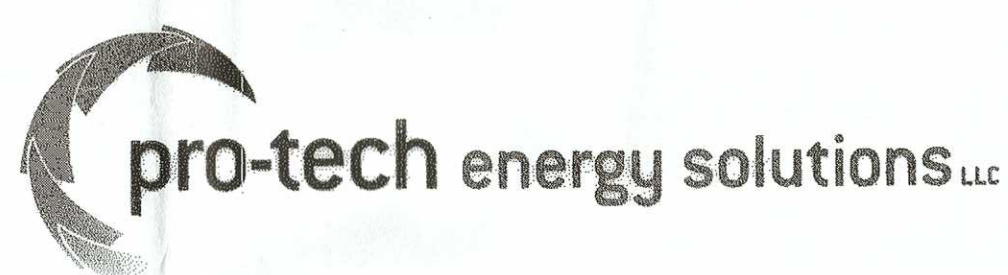
STRING SIZE: (11) MODULES PER STRING

INVERTER 1 (PV-1) (180) STRINGS, (1,980) MODULES

INVERTER 2 (PV-2) (180) STRINGS, (1,980) MODULES

RACKING:

PRELIMINARY & FINAL SITE PLAN DRAWINGS  
FOR GROUND MOUNTED  
±1.3 MW (DC), 1.0 MW (AC) PHOTOVOLTAIC SYSTEM  
SUN EDISON PROJECT # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W. CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038



Sheet List Table	
Sheet Number	Sheet Title
CV-1	COVER
SP-2	OVERALL SITE PLAN
SP-3	ENLARGED SITE PLAN
SP-3.1	ENLARGED SITE PLAN
SP-4	GRADING PLAN
SP-4.1	GRADING PLAN
SP-5	SITE DETAILS
SP-5.1	TRENCHING AND RACKING DETAILS
SP-6	EQUIPMENT SPECIFICATIONS
SP-7	TYPICAL RACKING DETAILS
SP-8	SOIL EROSION PLAN
SP-8.1	SOIL EROSION PLAN
SP-9	SESC NOTES AND DETAILS & DRAINAGE CALCULATIONS

WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496

JOHN W. COLAGRANDE JR., P.E.  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 48784

DRAWING NOTES:

1. IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.

2. THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.

Sun Edison  
simplifying solar

(C) 2010 SUN EDISON, LLC AND ITS AFFILIATES. ALL RIGHTS RESERVED

12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200

pro-tech energy solutions LLC

3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

PROJECT:

1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK: - LOT: -

SCALE: AS SHOWN TASK: -

DATE: 3/13/2014 PROJECT No: 130206T

DRAWN BY: C.A. REVIEWED BY: C.R.

DRAWING TITLE:

COVER

DRAWING NO.: CV-1

SHEET NO.: 1 OF 13



MUNICIPAL APPROVALS

APPROVED TO 10 DAY OF MARCH, 2014 BY THE TOWN OF FRANKLIN

DATE 3-24-14

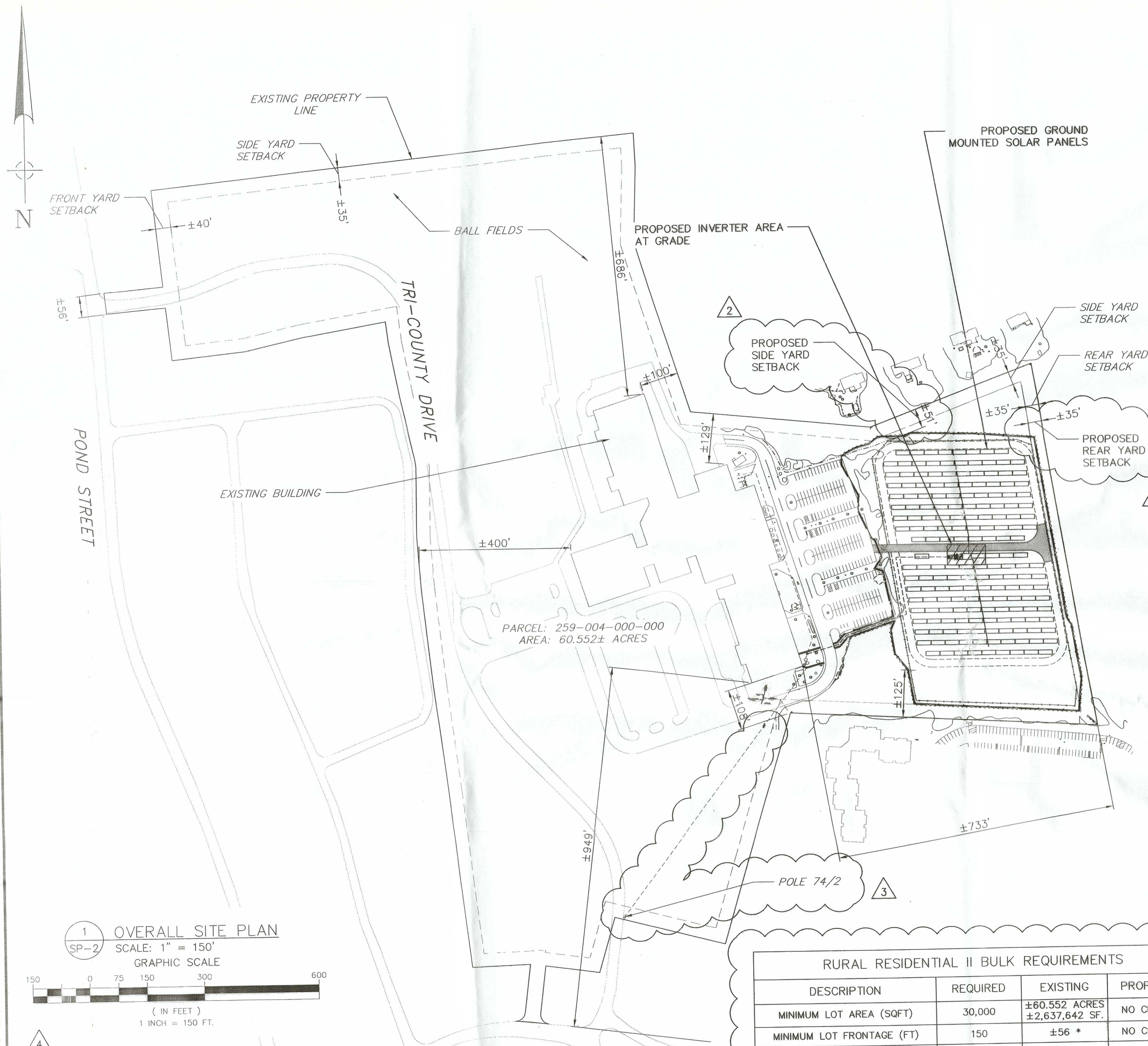
DATE

DATE

THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN  
DO NOT SCALE THIS DRAWING

Z: WHITMAN\2013\13-02-06T PRO-TECH TRI COUNTY VO TECH\ZONING\REV 4\13-02-06T CV1





RURAL RESIDENTIAL II BULK REQUIREMENTS			
DESCRIPTION	REQUIRED	EXISTING	PROPOSED
MINIMUM LOT AREA (SQFT)	30,000	±60,552 ACRES ±2,637,642 SF.	NO CHANGE
MINIMUM LOT FRONTAGE (FT)	150	±56 *	NO CHANGE
MINIMUM LOT WIDTH (FT)	135	>135	NO CHANGE
MIN. FRONT YARD SETBACK (FT)	40	±400	NO CHANGE
MIN. SIDE YARD SETBACK (FT)	35	±107.9	±51
MIN. REAR YARD SETBACK (FT)	35	±100.3	±35
MINIMUM LOT DEPTH (FT)	200	>200	NO CHANGE
STRUCTURES LOT COVERAGE (%)	20	±117,844 SF. ±4.52%	±119,432 SF. 4.57% (1)
STRUCTURES PLUS IMPERVIOUS LOT COVERAGE (%)	25	±551,010 SF. ±21.1%	552,598 SF. 21.16%
MAX. BUILDING HEIGHT (ST/FT)	3 ST/35 FT	±30	N/A

\* EXISTING NON-CONFORMANCE NOTE: FRONT YARD ASSUMED ALONG POND STREET  
 (1) INCLUDES RACK POSTS AND CONCRETE SLAB

### GENERAL NOTES

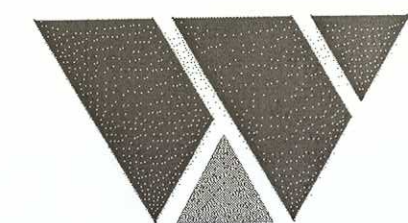
1. THE SUBJECT PROPERTY IS KNOWN AS PARCEL ID# 259-004-000-000 IN THE TOWN OF FRANKLIN, MASSACHUSETTS.
2. APPLICANT:  
SUNEDISON  
100 TWINBRIDGE DRIVE, SUITE J  
PENNSAUKEN, NJ 08110
3. THE APPLICANT PROPOSES TO CONSTRUCT A  $\pm 1.3$  MW (DC) PHOTOVOLTAIC RAISED GROUND MOUNTED SYSTEM CONSISTING OF APPROXIMATELY 3,960 FIXED TILT 330W SOLAR PANELS.
4. ALL PROPERTY LINE INFORMATION, EXISTING FEATURES, GRADES AND WETLAND LINES SHOWN WERE TAKEN FROM A PLAN ENTITLED "TRI COUNTY DRIVE, PLOT PLAN OF LAND IN FRANKLIN, MASSACHUSETTS, NORFOLK COUNTY PREPARED FOR WHITMAN CORKMAN'S" DATED JUNE 2013, PREPARED BY DGT SURVEY GROUP. ALL PROPOSED FEATURES WERE ESTABLISHED BY WHITMAN UTILIZING THE SURVEY AS THE BACKGROUND. ELEVATION DATUM PURPORTED TO BE N.A.V.D. 1988.
5. THE PROPOSED USE IS NOT INTENDED FOR PERMANENT EMPLOYEE OCCUPANCY AND AS SUCH, SANITARY AND POTABLE WATER UTILITIES WILL NOT BE REQUIRED.
6. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION FOR THE SITE IMPROVEMENTS SHOWN HERON SHALL BE IN ACCORDANCE WITH:
  - A. CURRENT PREVAILING MUNICIPAL AND/OR COUNTY SPECIFICATIONS, STANDARDS AND REQUIREMENTS.
  - B. CURRENT PREVAILING UTILITY COMPANY SPECIFICATIONS, STANDARDS AND REQUIREMENTS.
7. THE SITE IS LOCATED IN FLOOD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS PER THE FEMA FIRM PLAN 25021C0306E DATED JULY 17, 2012.
8. ALL INFORMATION SHOWN MUST BE VERIFIED PRIOR TO USE FOR CONSTRUCTION ACTIVITIES.
9. PROPOSED SOLAR PANEL SUPPORT FRAMES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND STRUCTURAL REQUIREMENTS,
10. MODULES ARE ORIENTED AT 180° TRUE SOUTH.
11. IN ACCORDANCE WITH MASSACHUSETTS STATE LAW, THE CONTRACTOR SHALL CONTACT MASSACHUSETTS' ONE CALL SYSTEM FOR A MARKOUT OF ALL UNDERGROUND UTILITIES 72 HOURS PRIOR TO COMMENCEMENT OF SITE CLEARING. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL LOCAL PERMITS AND FEES. IN ADDITION, THE CONTRACTOR WILL BE REQUIRED TO OBTAIN THE SERVICES OF A PRIVATE UTILITY LOCATION FIRM TO LOCATE AND MARKOUT/VERIFY ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
12. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS INCLUDING UTILITIES. ALL DISCREPANCIES SHALL BE IDENTIFIED TO THE PROJECT ENGINEER IN WRITING.
13. ALL SITE IMPROVEMENTS OUTSIDE THE PROJECT LIMIT ARE TO BE PROTECTED. IF DAMAGED, THEY ARE TO BE REPLACED BY THE CONTRACTOR AT NO COST TO OWNER. THESE SHALL INCLUDE BUT NOT BE LIMITED TO SIDEWALKS, CURBS, LANDSCAPING, LAWN AREAS, TREES, FENCES ETC.
14. THERE IS NO PROPOSED LIGHTING PLAN ASSOCIATED WITH THIS PROJECT.
15. UTILITY RELOCATIONS SHOWN HEREON, IF ANY, ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT REPRESENT ALL REQUIRED UTILITY RELOCATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING AND/OR COORDINATING ALL REQUIRED UTILITY RELOCATIONS IN COOPERATION WITH THE RESPECTIVE UTILITY COMPANY/AUTHORITIES.
16. TRAFFIC SIGNAGE AND STRIPING SHALL CORRESPOND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
17. DO NOT SCALE DRAWINGS AS THEY PERTAIN TO ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC. THEY ARE SCHEMATIC ONLY, EXCEPT WHERE DIMENSIONS ARE SHOWN THERETO.

18. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL APPROVALS REQUIRED HAVE BEEN OBTAINED, ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED AND THE DRAWINGS HAVE BEEN STAMPED "ISSUED FOR CONSTRUCTION". THIS SHALL INCLUDE APPROVAL OF ALL CATALOG CUTS, SHOP DRAWINGS AND/OR DESIGN CALCULATIONS AS REQUIRED BY THE PROJECT OWNER AND/OR MUNICIPAL ENGINEER.

19 EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTIONS, TEST PITS SHALL BE HAND DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS, AND SIZES. TEST PIT INFORMATION SHALL

BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION  
TO PERMIT ADJUSTMENTS AS REQUIRED TO AVOID  
CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE  
UNDER SIGNED PROFESSIONAL IMMEDIATELY IF ANY  
FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY  
FROM THOSE REPRESENTED HEREON. SUCH  
CONDITIONS COULD RENDER THE DESIGNS HEREON  
INAPPROPRIATE OR INEFFECTIVE.

20. THE CONTRACTOR IS RESPONSIBLE FOR PROJECT SAFETY, INCLUDING PROVISION OF ALL APPROPRIATE SAFETY DEVICES AND WORKER TRAINING REQUIRED.
21. SOLAR PANEL LAYOUT, CONDUIT, AND INVERTER PAD LOCATIONS ARE SUBJECT TO CHANGE BASED ON FINAL SELECTION OF PANEL MANUFACTURER, INSTALLATION CONTRACTOR, AND FINAL INTERCONNECTION AGREEMENT. THE FINAL NUMBER OF PANELS AND ENERGY OUTPUT MAY VARY DEPENDING UPON THE FINAL SELECTION OF PANEL MANUFACTURER AND FIELD CONDITIONS. HOWEVER, THE AREA LIMITS OF THE SOLAR PANEL ARRAY FIELD AS DEFINED BY THE PERIMETER FENCE LINE SHALL REMAIN UNCHANGED.
22. REFUSE AND RECYCLABLES ARE NOT ANTICIPATED TO BE GENERATED ON THIS SITE UPON OPERATION OF THE SOLAR GENERATION FACILITY.
23. FOUNDATION DESIGN SHALL BE DEPENDENT ON RECOMMENDATIONS BY THE GEOTECHNICAL ENGINEER.
24. THESE GENERAL NOTES SHALL APPLY TO ALL SHEETS IN THIS SET.
25. NO DETERMINATION HAS BEEN MADE AS TO THE ABSENCE OR PRESENCE OF WETLANDS.
26. EXISTING SOILS WILL BE UTILIZED FOR NEW GRADING PLAN.
27. FACILITY OWNER TO UTILIZE LIMITED HERBICIDE APPLICATION TO INVASIVE PLANT SPECIES AND, IF FEASIBLE, UTILIZE PHYSICAL REMOVAL.
28. FACILITY OWNER TO PROVIDE  
INSPECTION/MAINTENANCE OF NEWLY DISTURBED AREAS FOR ONE YEAR TO ALLOW FOR PLANT SURVIVAL AND/OR REPLACEMENT IF REQUIRED
29. ALL ELECTRICAL WORK, INCLUDING ANY NEW POLES, WILL BE DONE ON SCHOOL PROPERTY.



WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLAGRANDE JR., ENGINEER  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 4878

DRAWING NOTES:

1. IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
2. THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



(C), 2010 SUN EDISON, LLC AND ITS  
AFFILIATES, ALL RIGHTS RESERVED

12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCBURG, NJ 08876  
(908) 526-3322

NO.	DATE:	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

## PROJECT:

1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

<u>BLOCK:</u>	-	<u>LOT:</u>	-
<u>SCALE:</u>	AS SHOWN	<u>TASK:</u>	-
<u>DATE:</u>	3/13/2014	<u>PROJECT No:</u>	130206
<u>DRAWN BY:</u>	C.A.	<u>REVIEWED BY:</u>	C.R.

DRAWING TITLE:

OVERALL SITE PLAN

DRAWING NO.:

SP-2

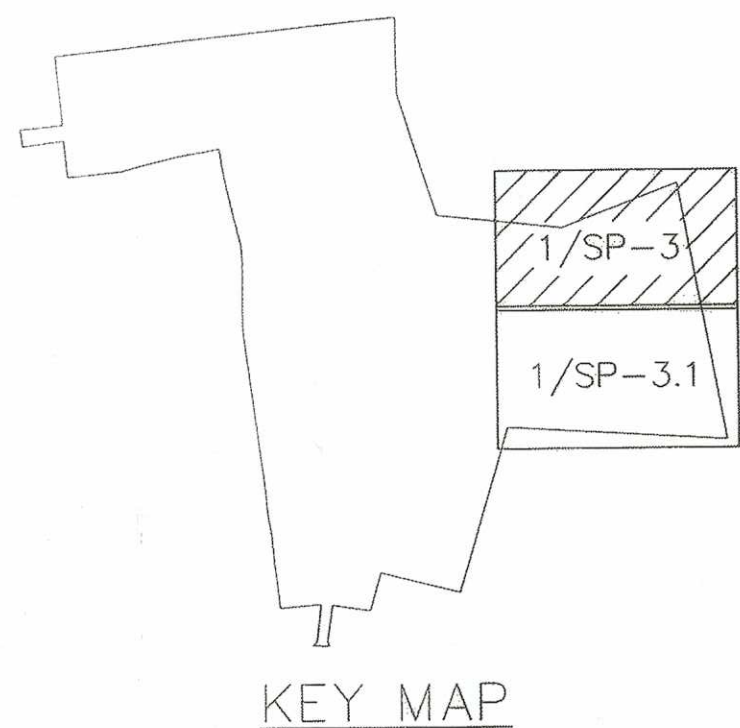
SHEET NO.:

2 OF 13

THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN

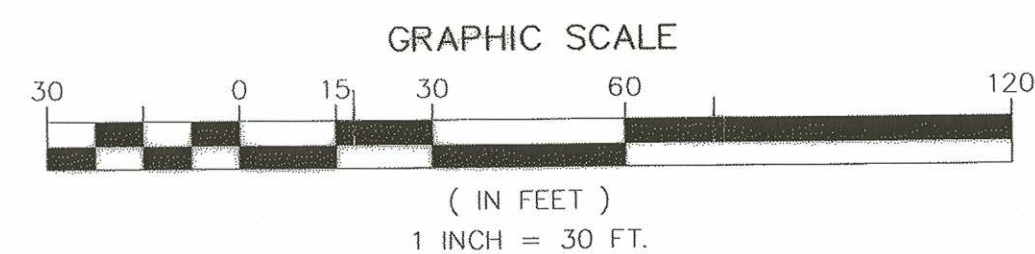


Z:\WHITMAN\2013\13-02-06T PRO-TECH TRI COUNTY VO TECH\ZONING\REV 4\13-02-06 SP3



3  
SP-5  
PROVIDE DEPRESSED CURB  
PROPOSED DOUBLE GATE FOR ACCESS

1  
SP-3  
ENLARGED SITE PLAN  
SCALE: 1" = 30'

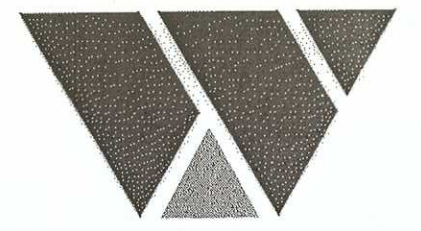


NOTE:

1. ALL DISTURBED AREAS WILL BE LOAMED AND SEEDED EXCEPT AS NOTED.

MUNICIPAL APPROVALS	
APPROVED THIS 10 DAY OF MARCH, 2014 BY THE TOWN OF FRANKLIN PLANNING BOARD	DATE
<i>[Signature]</i>	3-24-14
<i>[Signature]</i>	DATE
	DATE

THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN  
DO NOT SCALE THIS DRAWING



WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLAGRANDE, JR., P.E. DATE  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 49784

DRAWING NOTES:

- IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
- THIS DRAWING HAS BEEN PREPARED AS AN "D" SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE:	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

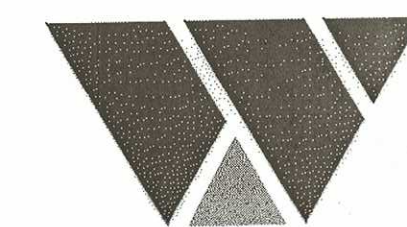
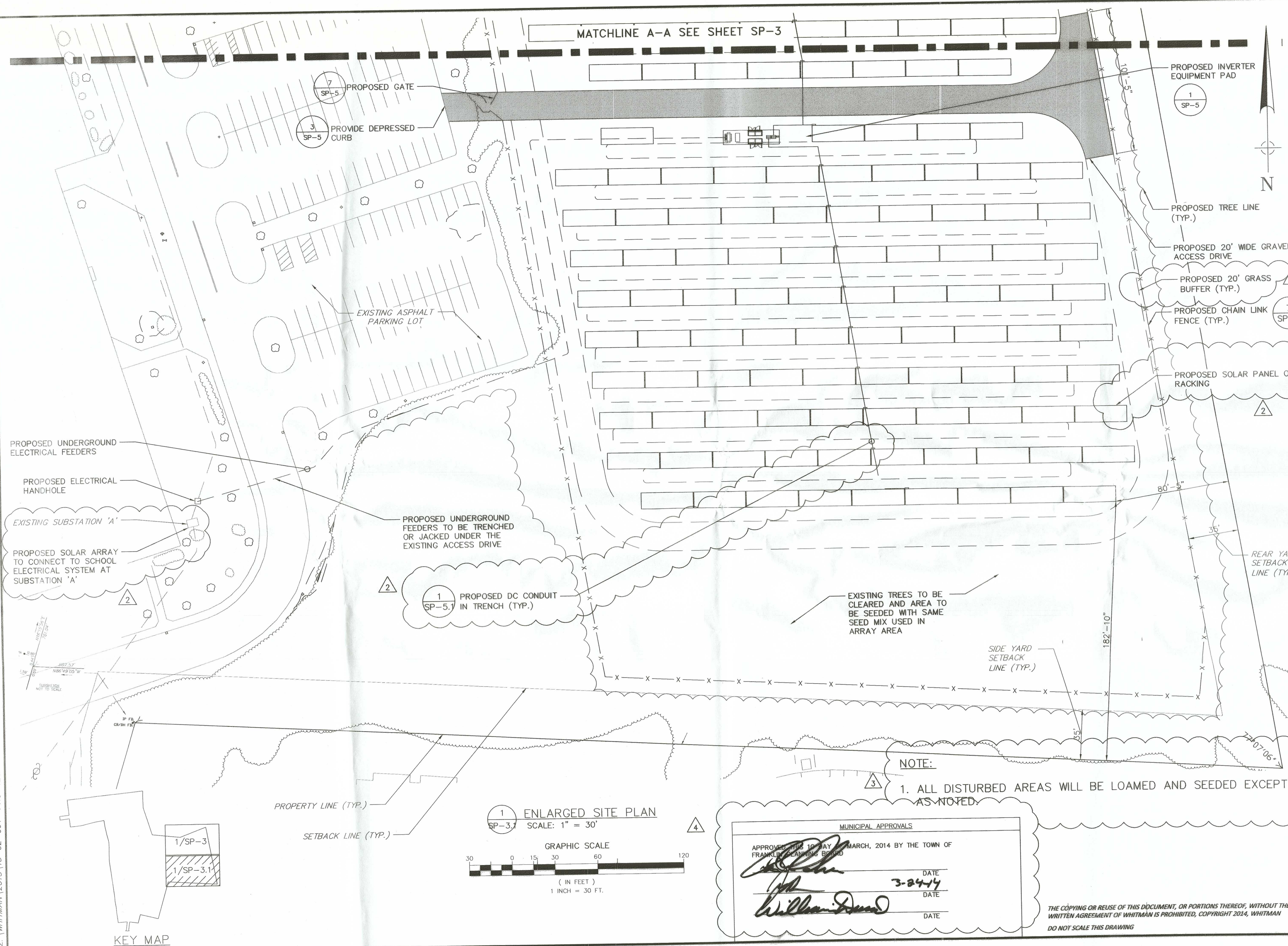
PROJECT:  
1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK:	LOT:
SCALE: AS SHOWN	TASK:
DATE: 3/13/2014	PROJECT No: 130206T
DRAWN BY: C.A.	REVIEWED BY: C.R.

DRAWING TITLE:  
ENLARGED SITE PLAN  
DRAWING NO.:  
SP-3  
SHEET NO.:  
3 OF 13

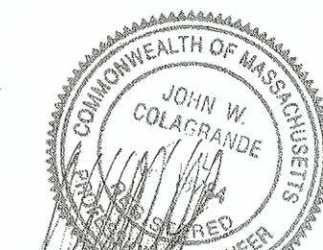


Z:\WHITMAN\2013\13-02-06T PRO-TECH TRI COUNTY VO TECH\ZONING\REV 4\13-02-06 SP3



WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLAGRANDE, PROFESSIONAL ENGINEER, U.C. NO. 48784

DRAWING NOTES:

1. IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
2. THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



(C) 2010 SUN EDISON, LLC AND ITS AFFILIATES. ALL RIGHTS RESERVED

12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE:	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

PROJECT:

1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK:	LOT:
SCALE:	AS SHOWN
DATE:	3/13/2014
DRAWN BY:	C.A.
REVIEWED BY:	C.R.

DRAWING TITLE:

ENLARGED SITE PLAN

DRAWING NO.:

SP-3.1

SHEET NO.:

4 OF 13

NOTE:

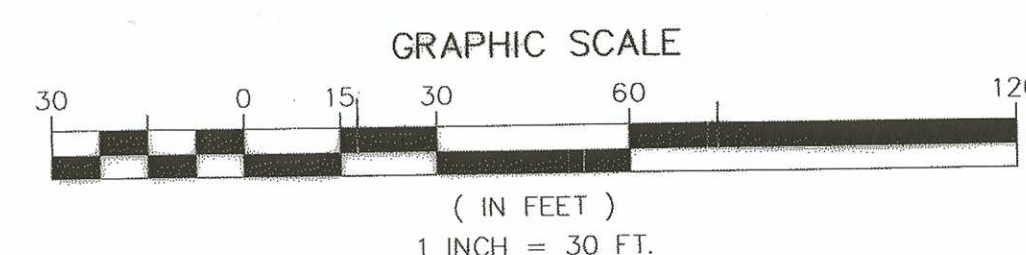
1. ALL DISTURBED AREAS WILL BE LOAMED AND SEEDED EXCEPT AS NOTED.

MUNICIPAL APPROVALS

APPROVED BY TOWN OF FRANKLIN PLANNING BOARD

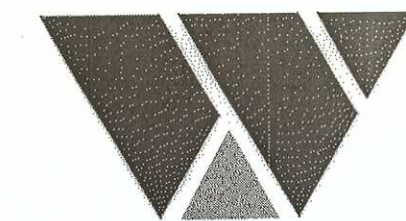
DATE 3-24-14  
DATE  
DATE

1/SP-3  
1/SP-3.1



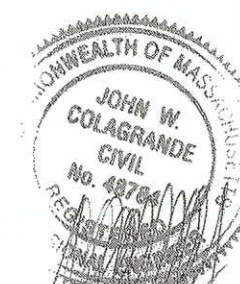
THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN  
DO NOT SCALE THIS DRAWING





WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLAGRANDE JR., P.E.  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 48784

DRAWING NOTES:

1. IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
2. THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



(C) 2010 SUN EDISON, LLC AND ITS AFFILIATES, ALL RIGHTS RESERVED

12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE:	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

PROJECT:

1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK:	LOT:
SCALE: AS SHOWN	TASK:
DATE: 3/13/2014	PROJECT No: 130206T
DRAWN BY: C.A.	REVIEWED BY: C.R.

DRAWING TITLE:

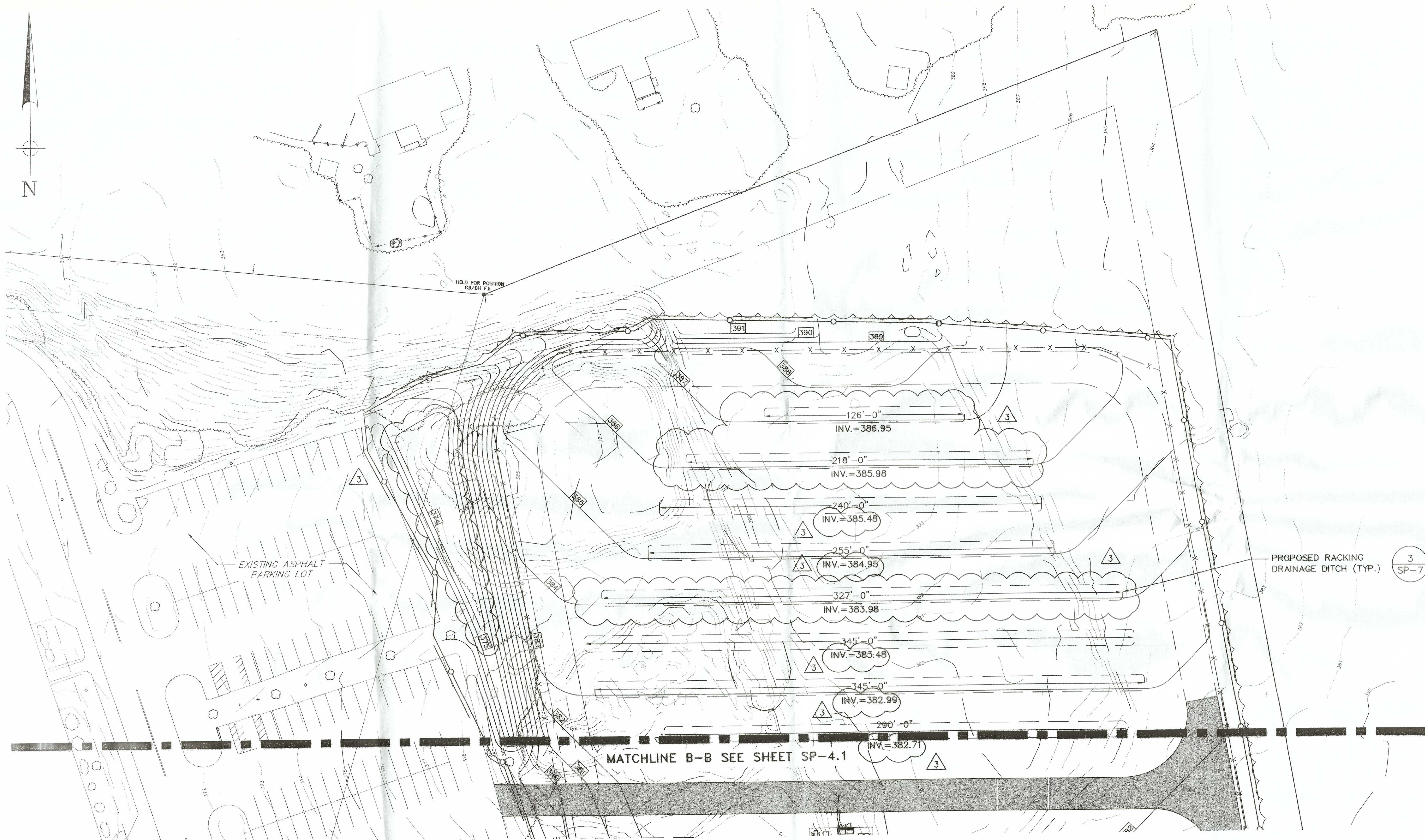
GRADING PLAN

DRAWING NO.:

SP-4

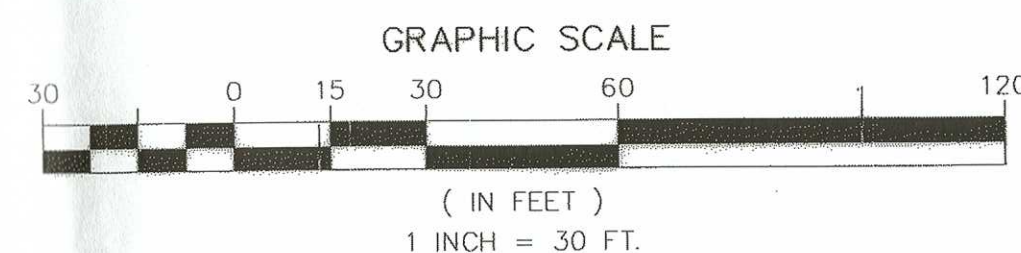
SHEET NO.:

5 OF 13



NOTE: RACKING NOT SHOWN FOR CLARITY

1 GRADING PLAN  
SP-4 SCALE: 1" = 30'



4

MUNICIPAL APPROVALS

APPROVED THIS 10 DAY OF MARCH, 2014 BY THE TOWN OF FRANKLIN PLANNING BOARD

*[Signature]* DATE 3-27-14

*[Signature]* DATE

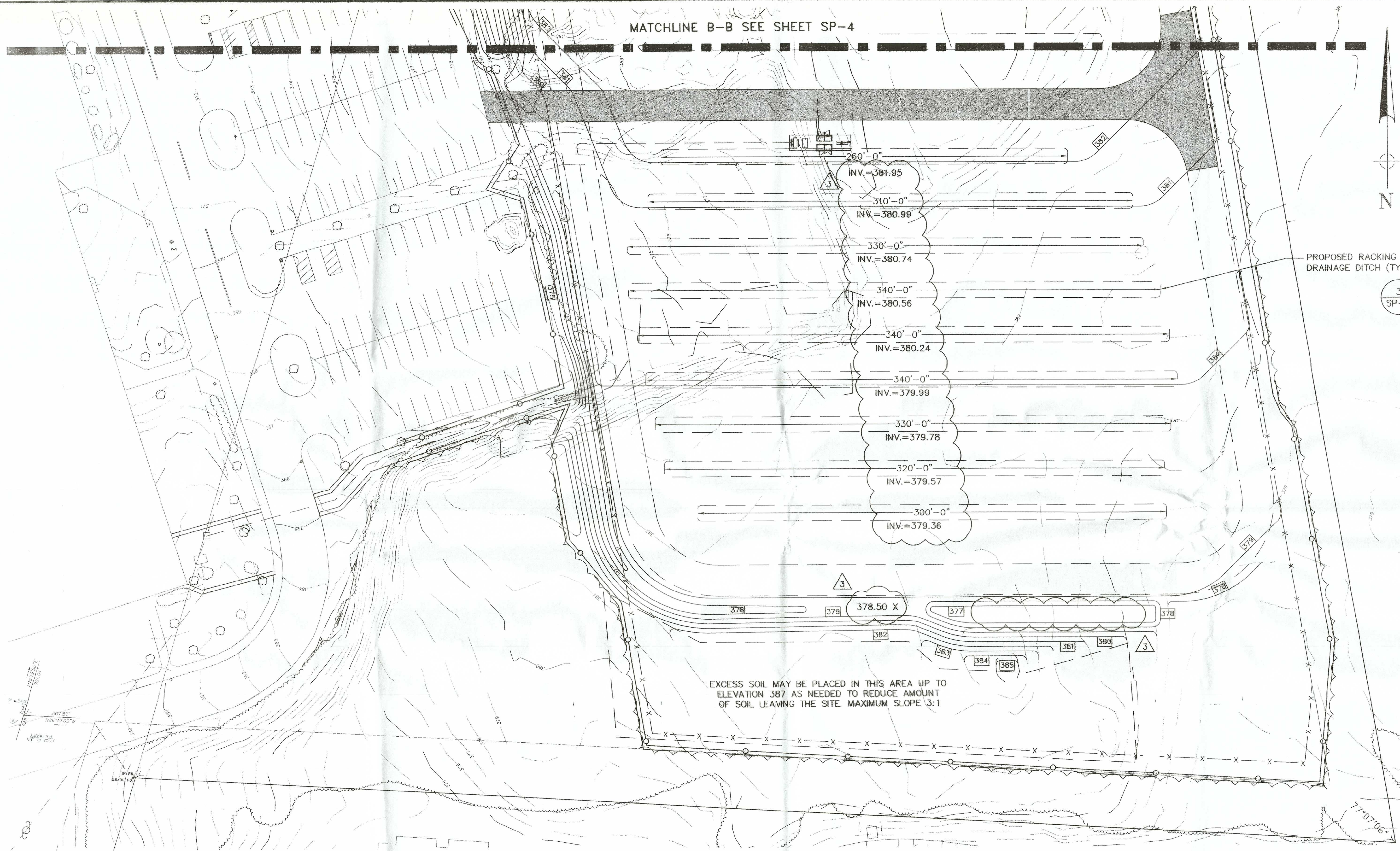
DATE

THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN  
DO NOT SCALE THIS DRAWING

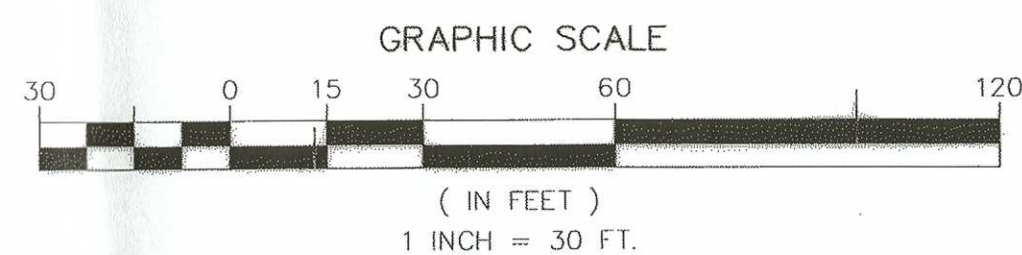
Z: WHITMAN\2013\13-02-06T PRO-TECH TRI COUNTY VO TECH\ZONING\REV 4\13-02-06 SP4



Z:\WHITMAN\2013\13-02-06T PRO-TECH TRI COUNTY VO TECH ZONING\REV 4\13-02-06 SP4



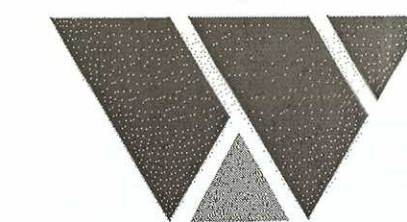
1 GRADING PLAN  
SP-4.1 SCALE: 1" = 30'



4

MUNICIPAL APPROVALS	
APPROVED THIS 10 DAY OF MARCH, 2014 BY THE TOWN OF FRANKLIN PLANNING BOARD	DATE
<i>[Signature]</i>	3-04-14
<i>[Signature]</i>	DATE
	DATE

THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN  
DO NOT SCALE THIS DRAWING



WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLAPINTO, P.E.  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 48784

- DRAWING NOTES:
1. IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
  2. THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



(C) 2010 SUN EDISON, LLC AND ITS AFFILIATES, ALL RIGHTS RESERVED  
12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

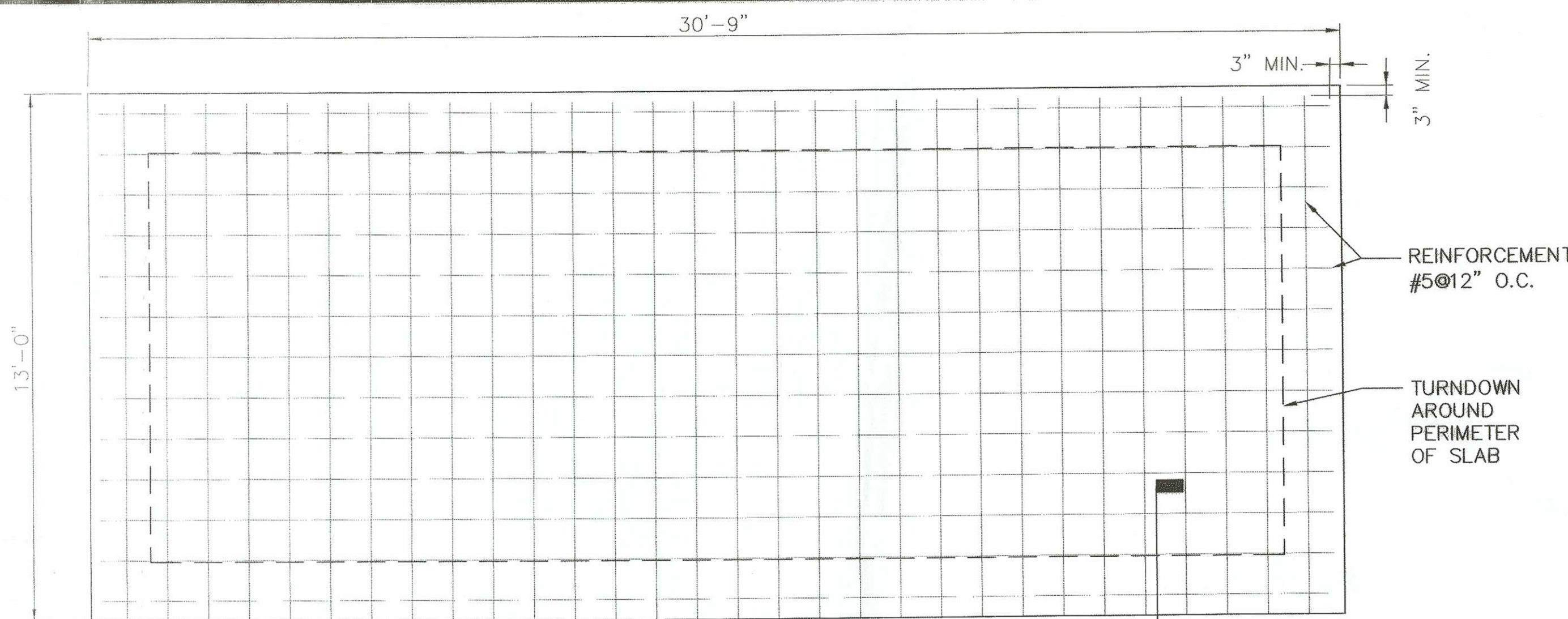
PROJECT:  
1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK:	-	LOT:	-
SCALE:	AS SHOWN	TASK:	-
DATE:	3/13/2014	PROJECT NO:	130206T
DRAWN BY:	C.A.	REVIEWED BY:	C.R.

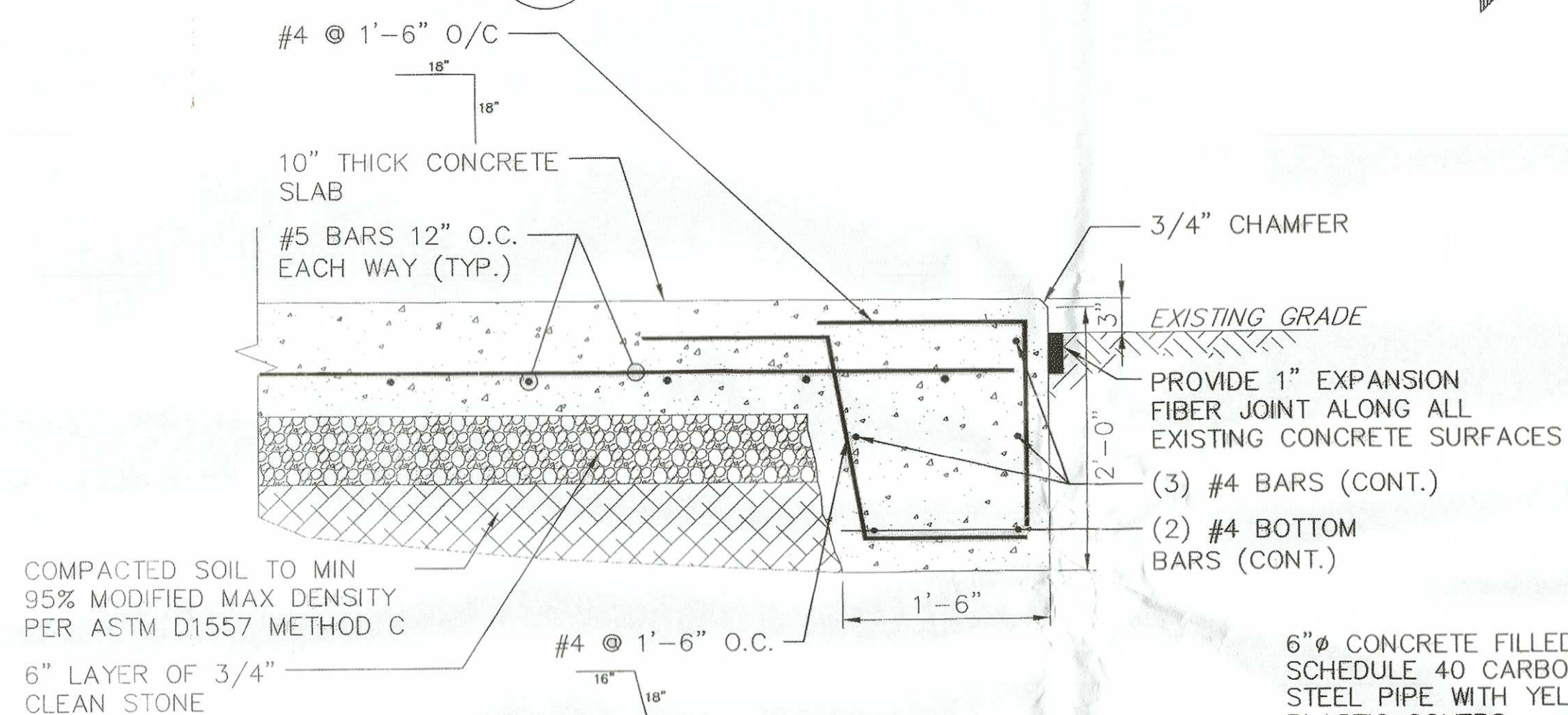
DRAWING TITLE:  
GRADING PLAN  
DRAWING NO.:  
SP-4.1  
SHEET NO.:  
6 OF 13



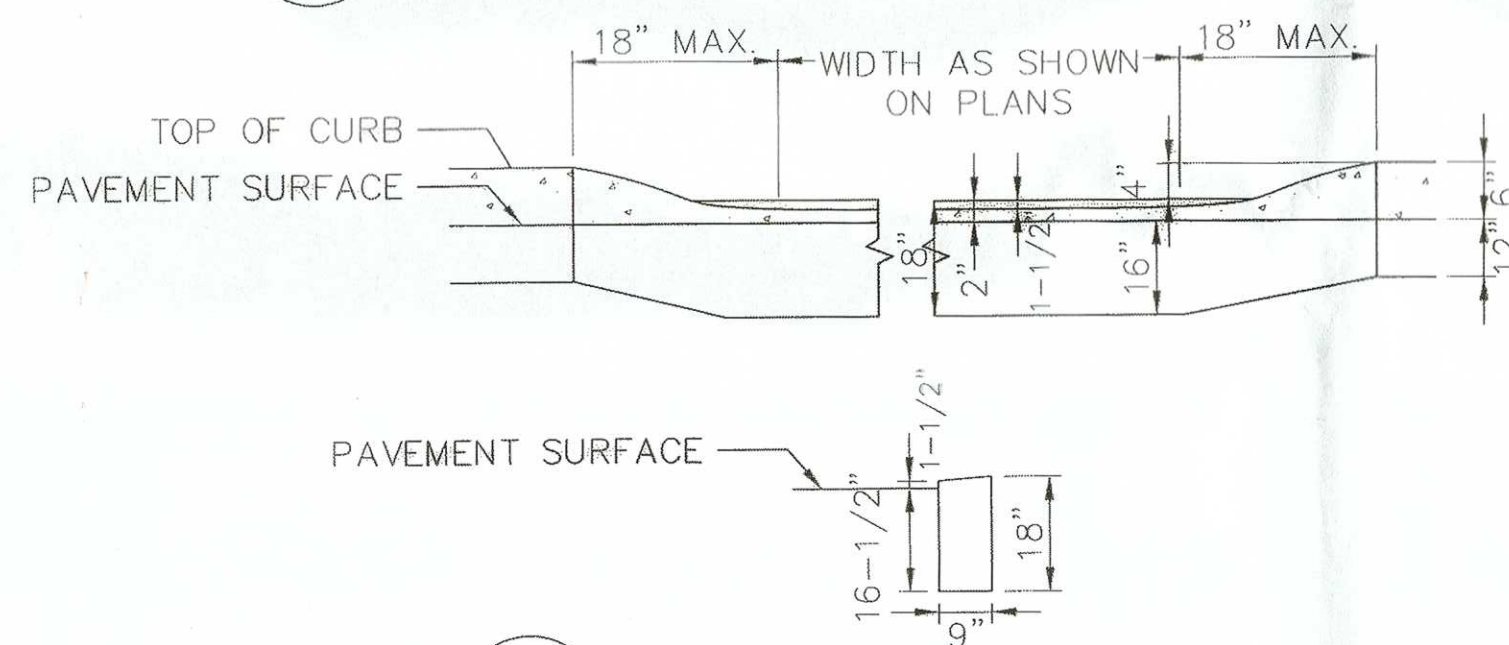
Z:\WHITMAN\2013\13-02-06T PRO-TECH TRI COUNTY VO TECH ZONING\REV 4\13-02-06 SP5



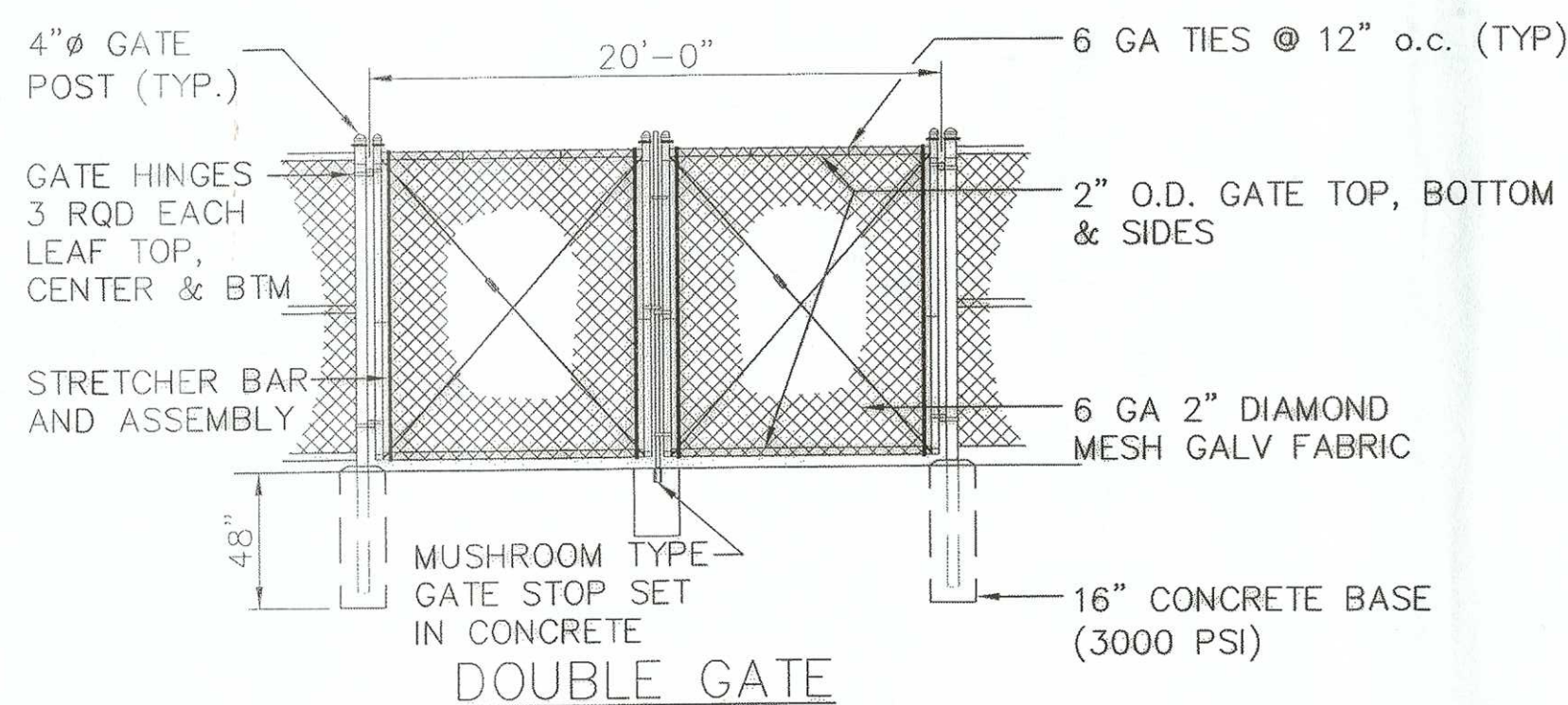
1 CONCRETE INVERTER SLAB PLAN  
SP-5 SCALE: N.T.S.



A CONCRETE SLAB SECTION DETAIL  
SP-5 SCALE: N.T.S.



3 DEPRESSED CONCRETE CURB  
SP-5 SCALE: N.T.S.

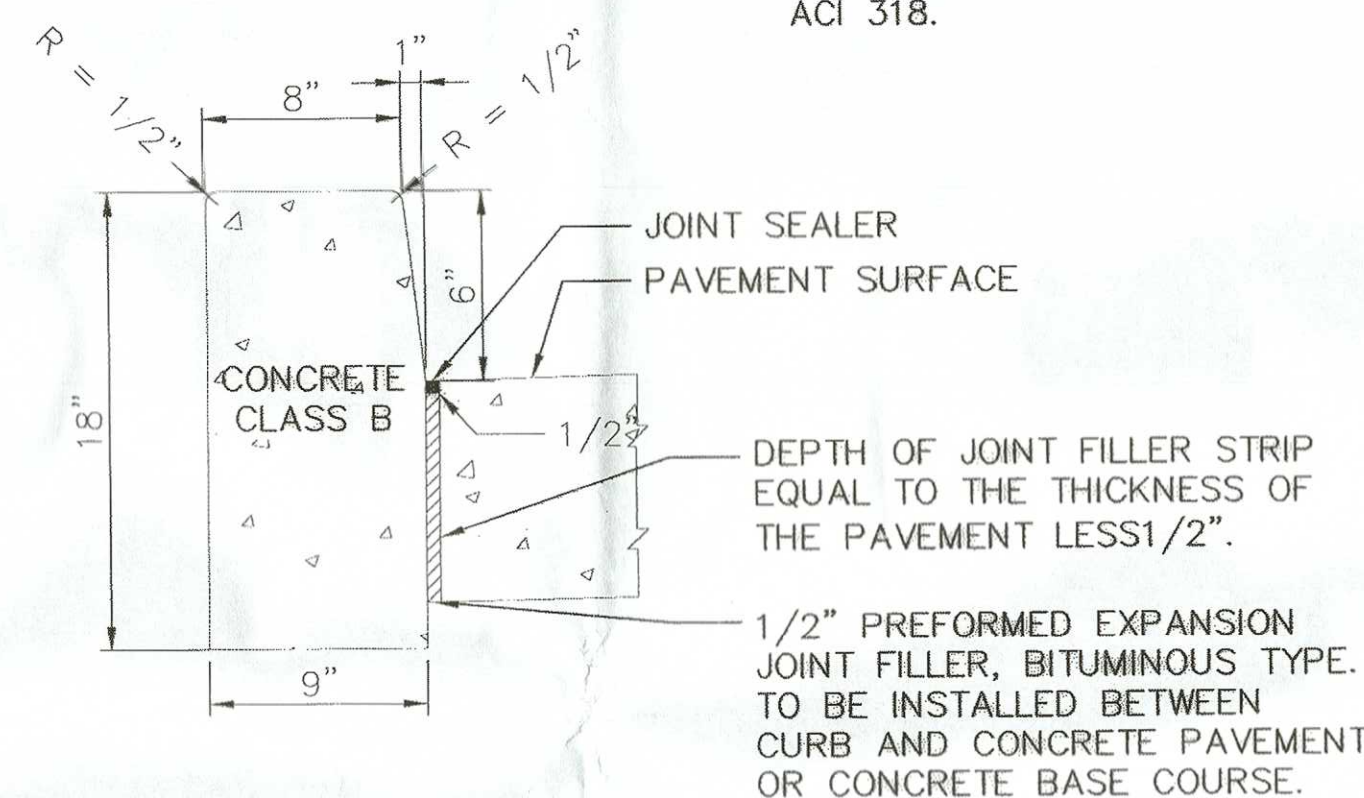


7 CHAIN LINK FENCE  
SP-5 NOT TO SCALE

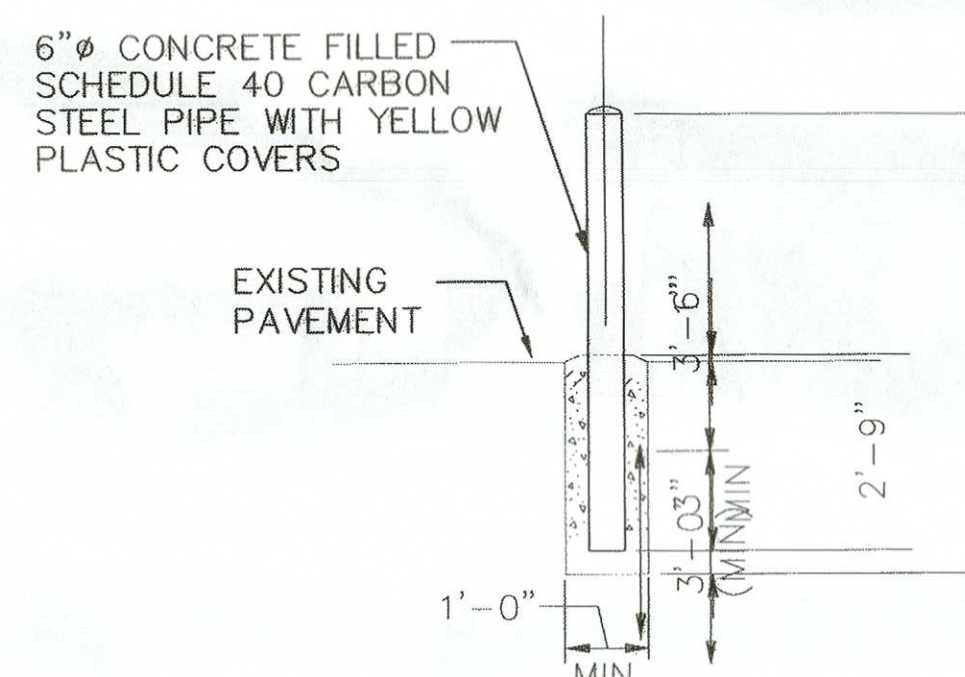
## CONCRETE AND REINFORCING STEEL NOTES:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301 AND
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:  
CONCRETE CAST AGAINST EARTH.....3 IN.  
CONCRETE EXPOSED TO EARTH OR WEATHER:  
#6 AND LARGER.....2 IN.  
#5 AND SMALLER & WWF.....1 1/2 IN.  
CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND:  
SLAB AND WALL.....2 IN.  
BEAMS AND COLUMNS.....2 IN.
- A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE.

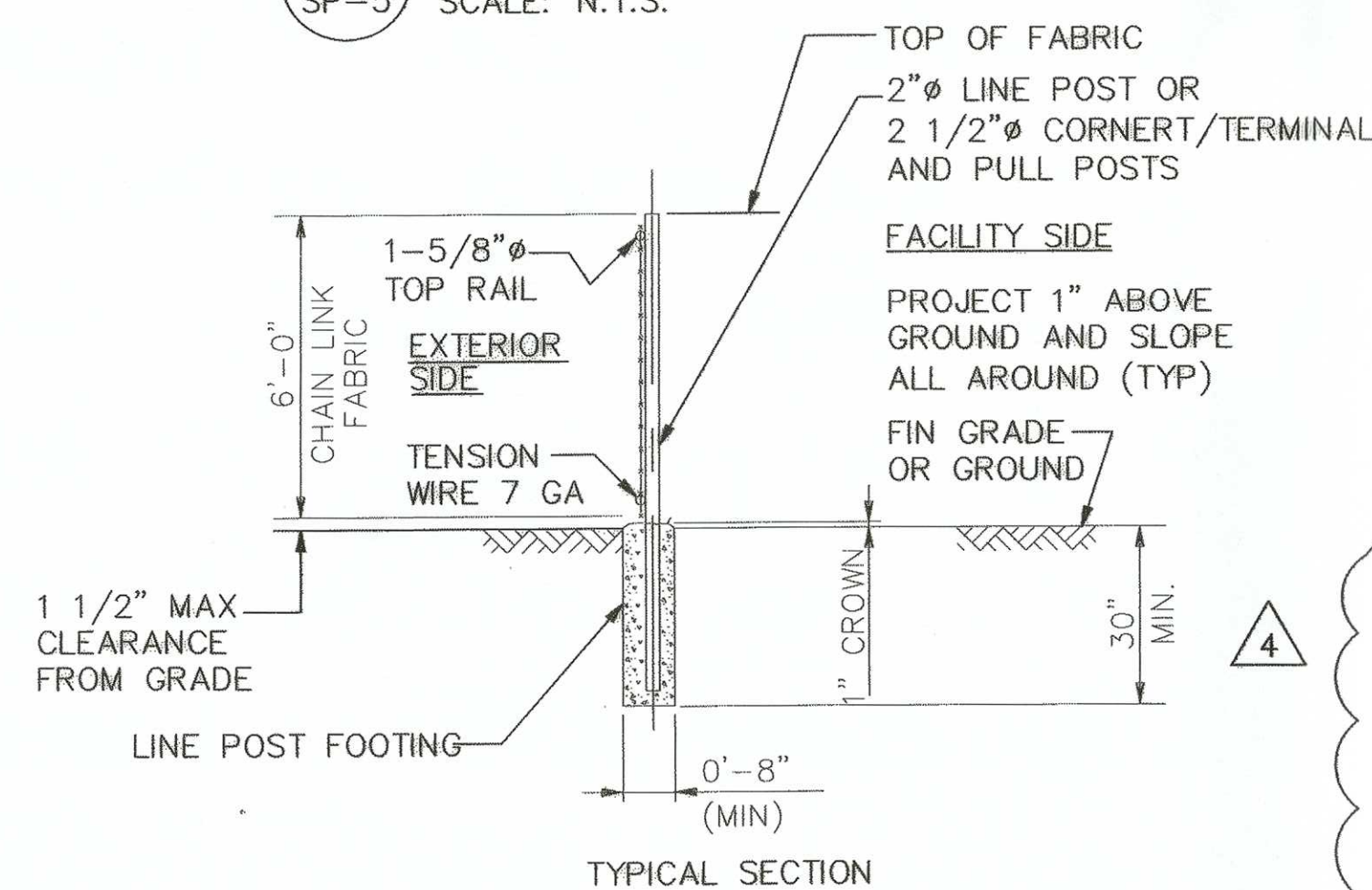
ACI 318.



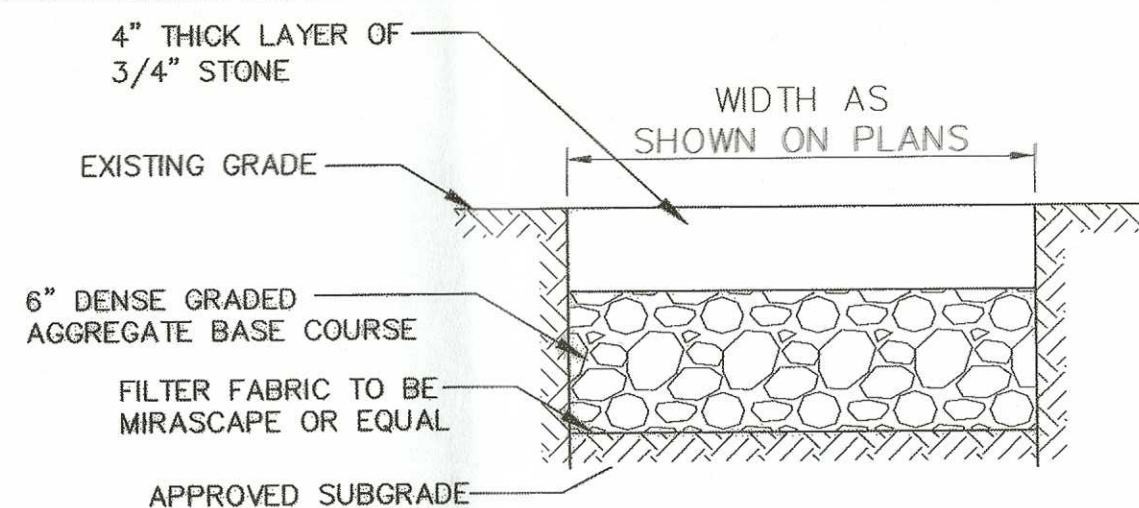
5 WHITE CONCRETE VERTICAL CURB  
SP-5 SCALE: N.T.S.



4 BOLLARD DETAIL  
SP-5 SCALE: N.T.S.

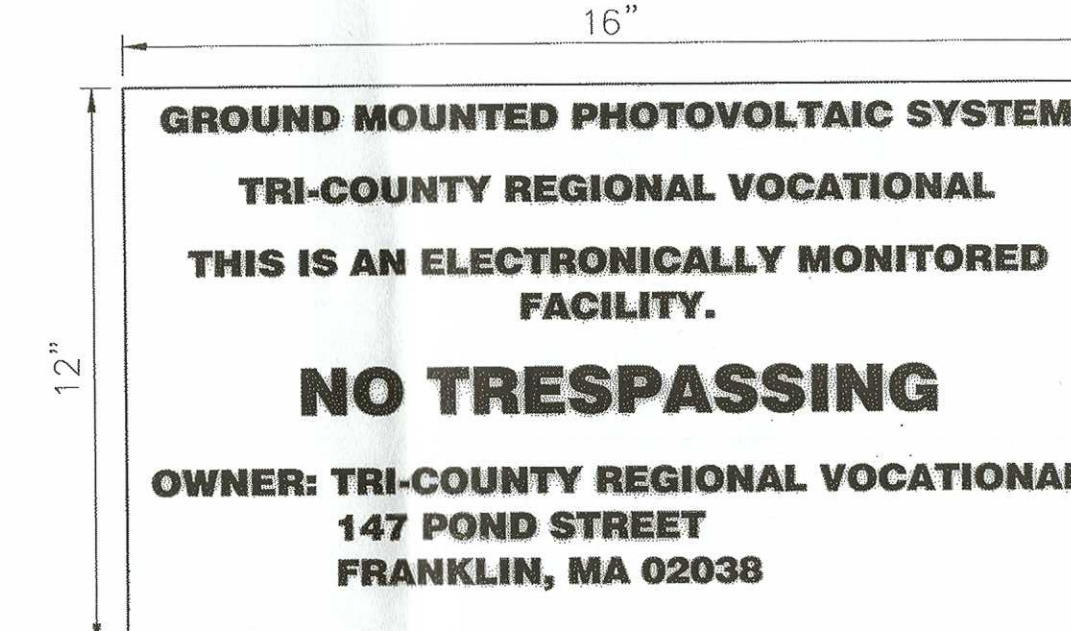


\* MAXIMUM 8' OC LINE POST SPACE



## TYPICAL GRAVEL ACCESS

2 DRIVE DETAIL  
SP-5 SCALE: N.T.S.



- NOTES:
- SIGN TO INCLUDE REFLECTIVE BLACK LETTERING EXCEPT AS NOTED ON WHITE METAL BACKGROUND.
  - STREET ADDRESS TO BE DETERMINED BY TOWNSHIP 911 COORDINATOR.
  - SIGN TO BE MOUNTED ON GATE ENTRANCES PER SITE PLAN.
  - SIGNS TO BE CHANGED WITHIN 2 WEEKS OF ANY CONTACT OR PHONE NUMBER CHANGES.
  - SIGN TO BE PLACED AT ALL ACCESS POINTS AT EYE LEVEL.

6 SITE INFORMATION SIGN DETAIL  
SP-5 SCALE: N.T.S.

## TYPICAL WOVEN WIRE FENCING NOTES

(INSTALL FENCING PER ASTM F-567, SWING GATES PER ASTM F- 900)

GATE POST, CORNER, TERMINAL OR PULL POST 4" SS 40 FOR GATE WIDTHS UP THRU 6 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.

LINE POST: 2" SS 40 PIPE PER ASTM-F1083.

GATE FRAME: 2" SS 40 PIPE PER ASTM-F1083.

TOP RAIL & BRACE RAIL: 1 5/8" SS 40 PIPE PER ASTM-F1083.

FABRIC: 6 GA. CORE WIRE SIZE 2" MESH, CONFORMING TO ASTM-A392.

TIE WIRE: MINIMUM 6 GA. GALVANIZED STEEL AT POSTS AND RAILS A SINGLE WRAP OF FABRIC TIE AND AT TENSION WIRE BY HOG RINGS SPACED MAX 24" INTERVALS.

TENSION WIRE: 7 GA. GALVANIZED STEEL.

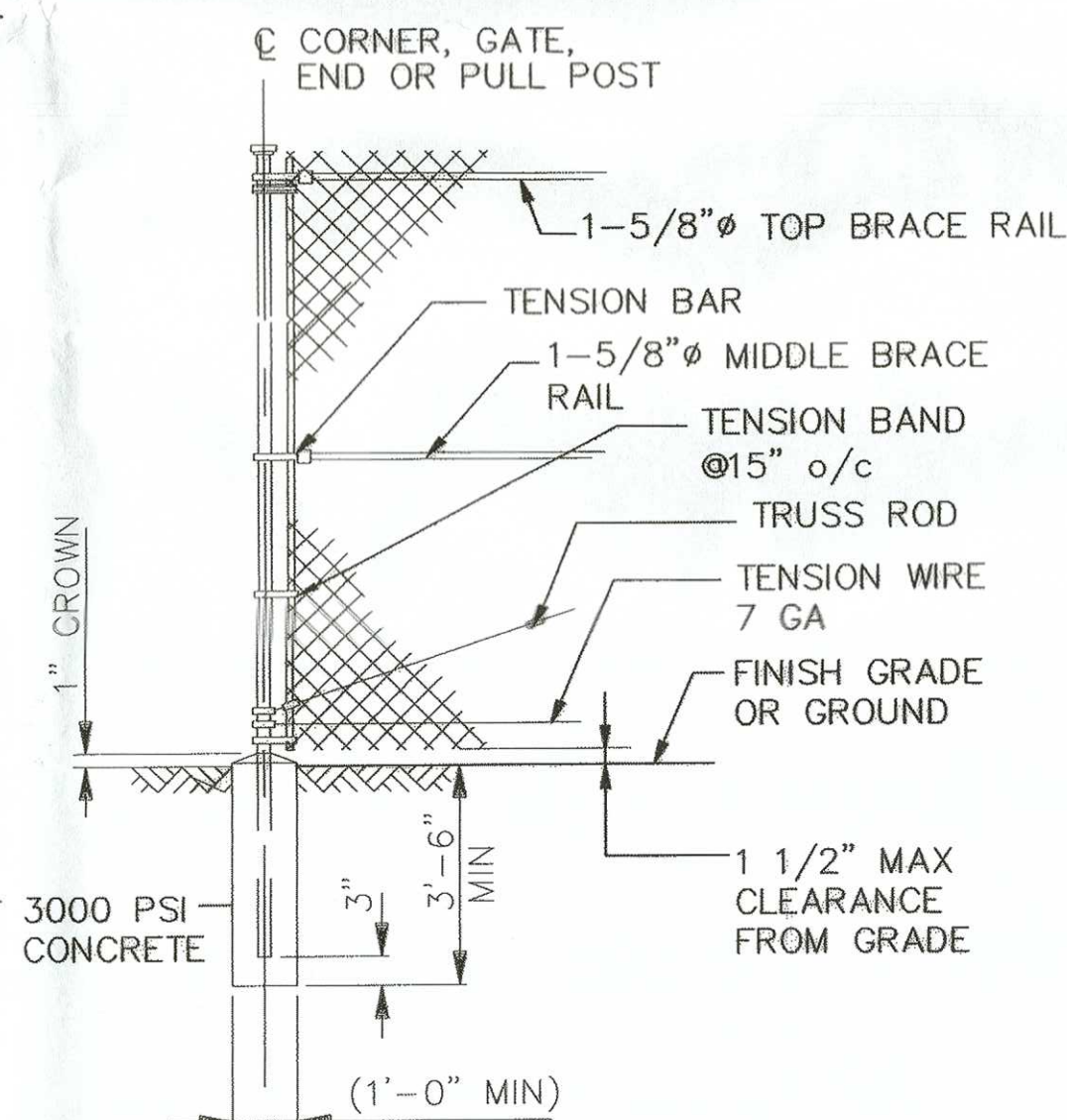
GATE LATCH: 1 1/4" SCHED. 40 PLUNGER ROD W/ MUSHROOM TYPE CATCH AND LOCK, WITH FULCRUM LATCH.

GATE HINGE- INDUSTRIAL OFFSET HINGE (10H)

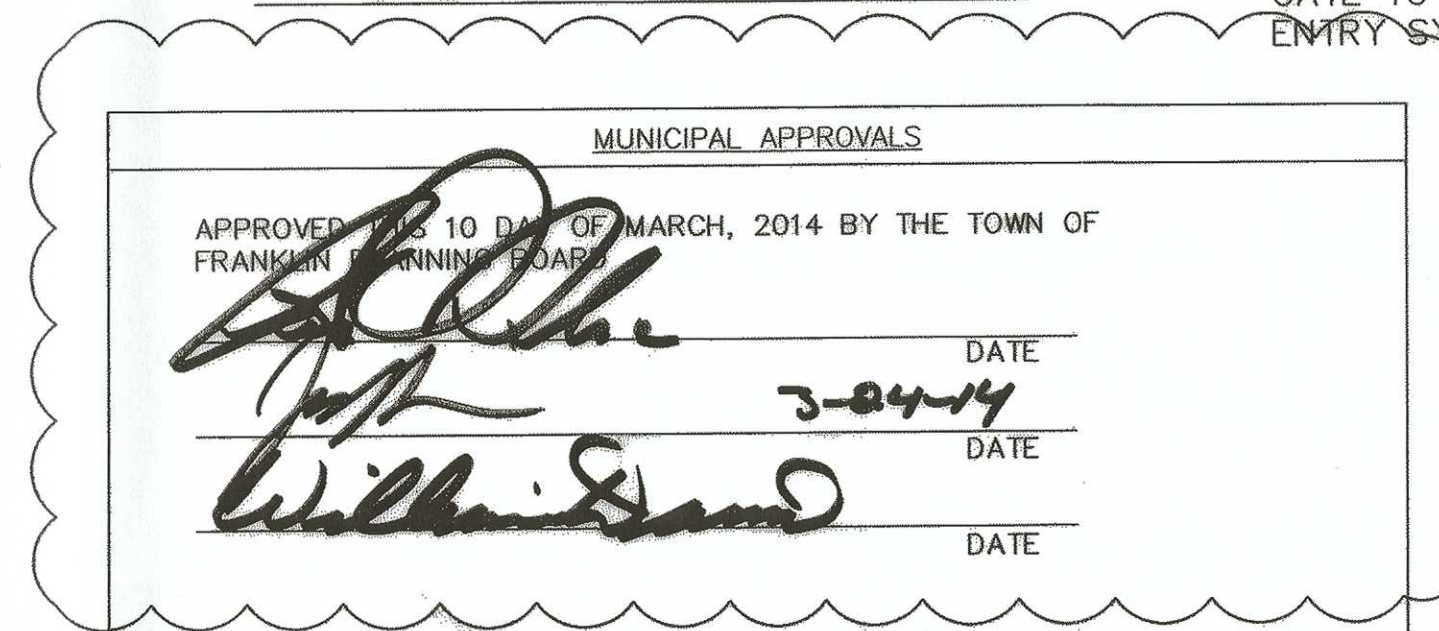
HEIGHT = 6' VERTICAL DIMENSION.

FENCE FRAMEWORK TO BE SS 40 HOT DIPPED GALVANIZED STEEL.

GATE TO BE EQUIPPED WITH A KNOX-BOX 3200 SERIES (BLACK) RAPID ENTRY SYSTEM.



## WOVEN WIRE CORNER, GATE, END OR PULL POST

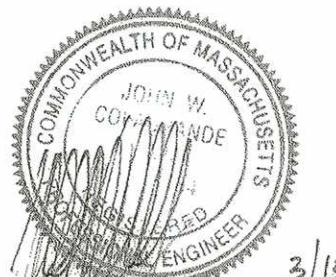


THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN  
DO NOT SCALE THIS DRAWING



WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLAGRANDE JR., P.E.  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 48784

## DRAWING NOTES

- IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
- THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



(C) 2010 SUN EDISON, LLC AND ITS AFFILIATES, ALL RIGHTS RESERVED

12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE:	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

PROJECT:  
1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK:	AS SHOWN	TASK:	-
DATE:	3/13/2014	PROJECT NO:	130206T
DRAWN BY:	C.A.	REVIEWED BY:	C.R.

## DRAWING TITLE:

SITE DETAILS

## DRAWING NO.:

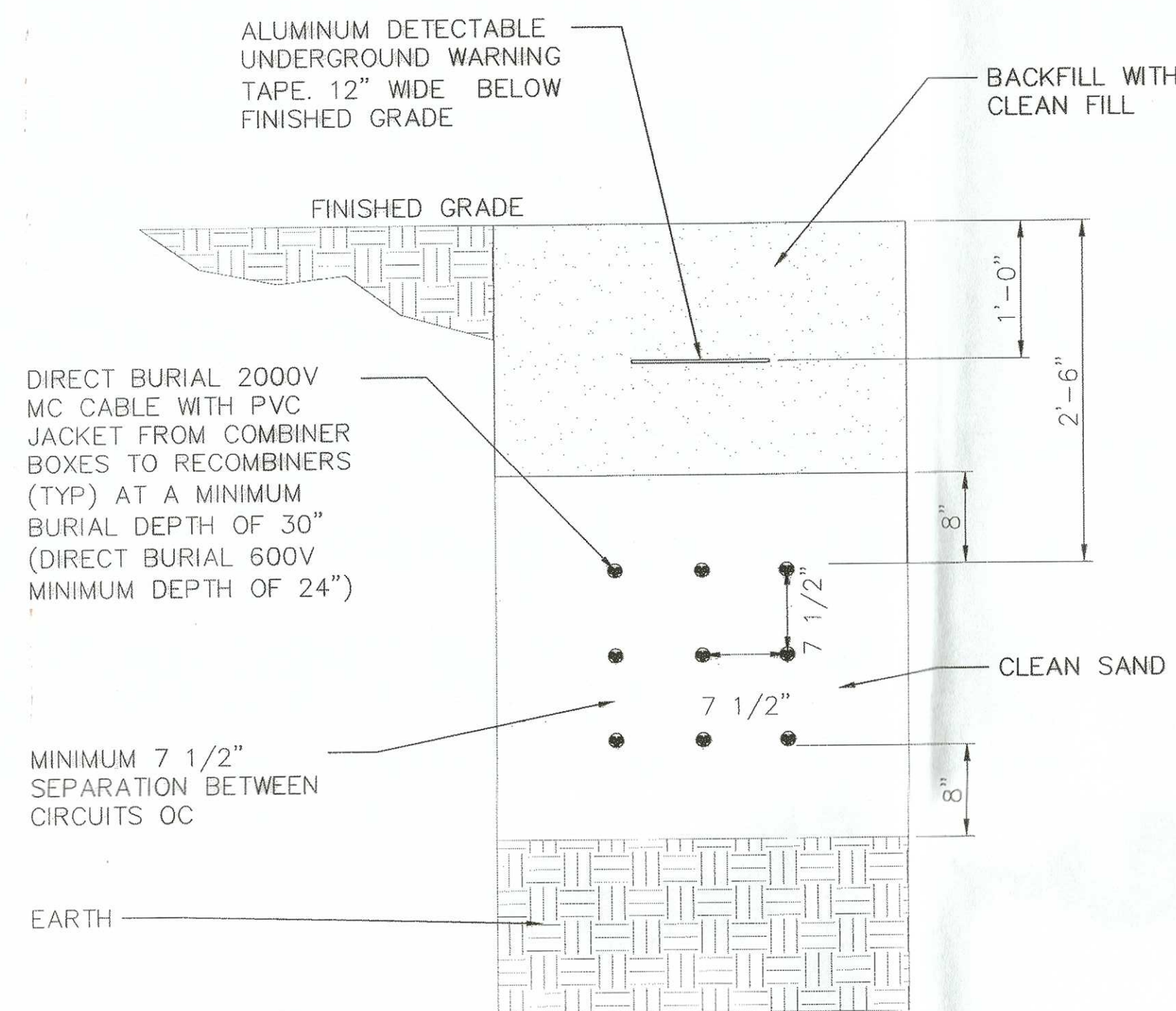
SP-5

## SHEET NO.:

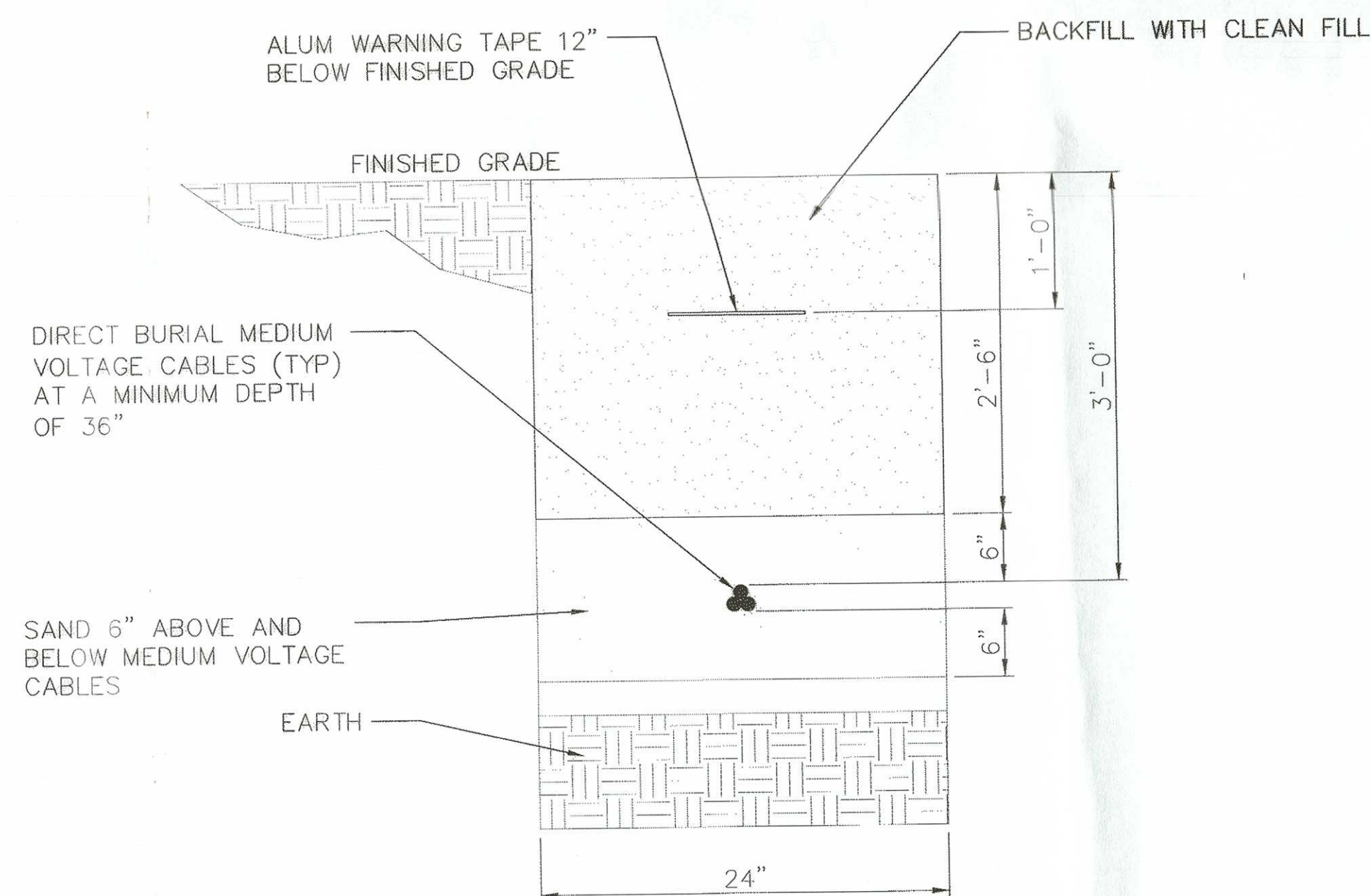
7 OF 13



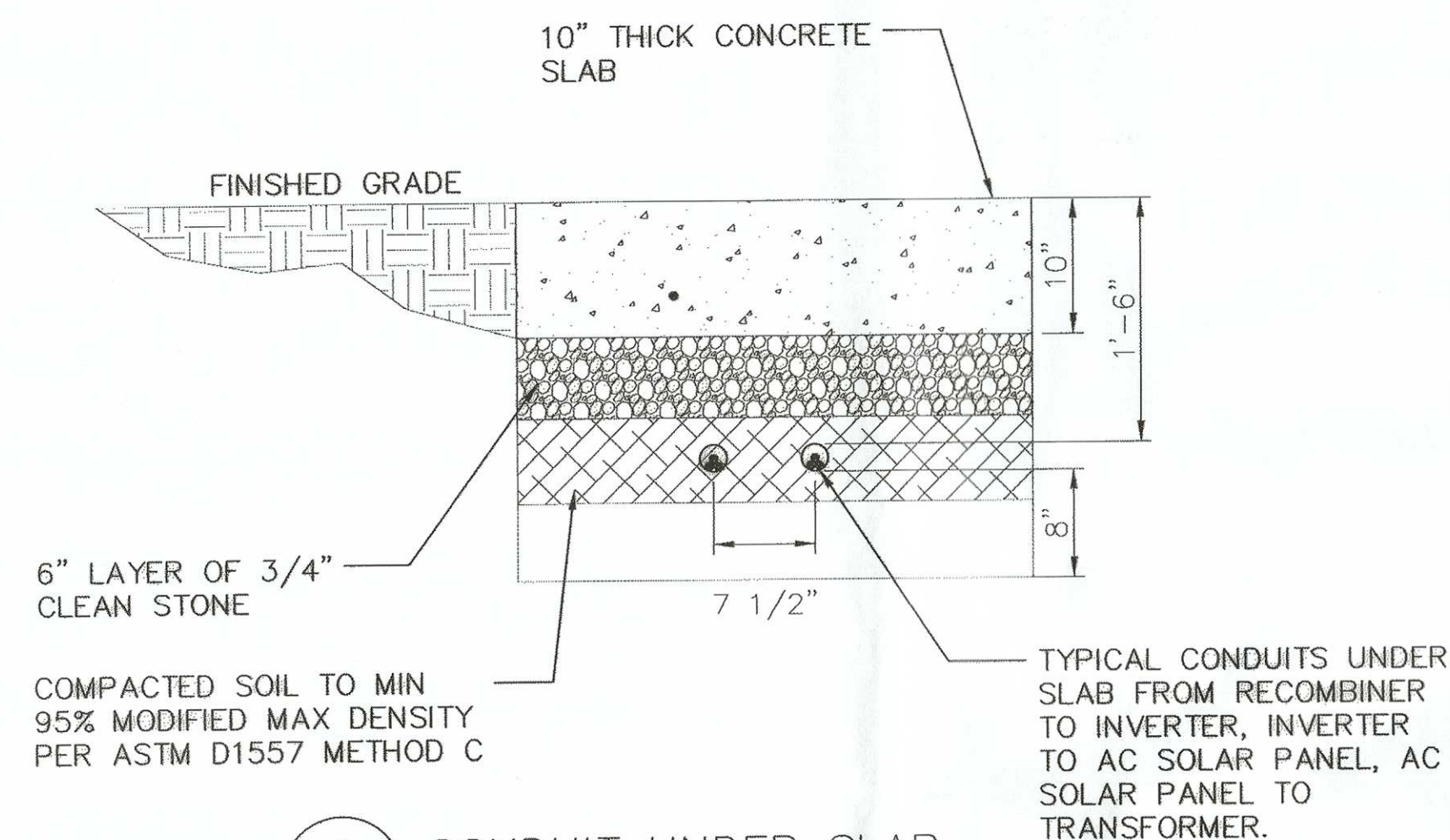
Z:\WHITMAN\2013\13-02-06T PRO-TECH TRI COUNTY VO TECH ZONING\REV 4\13-02-06T SP5.1



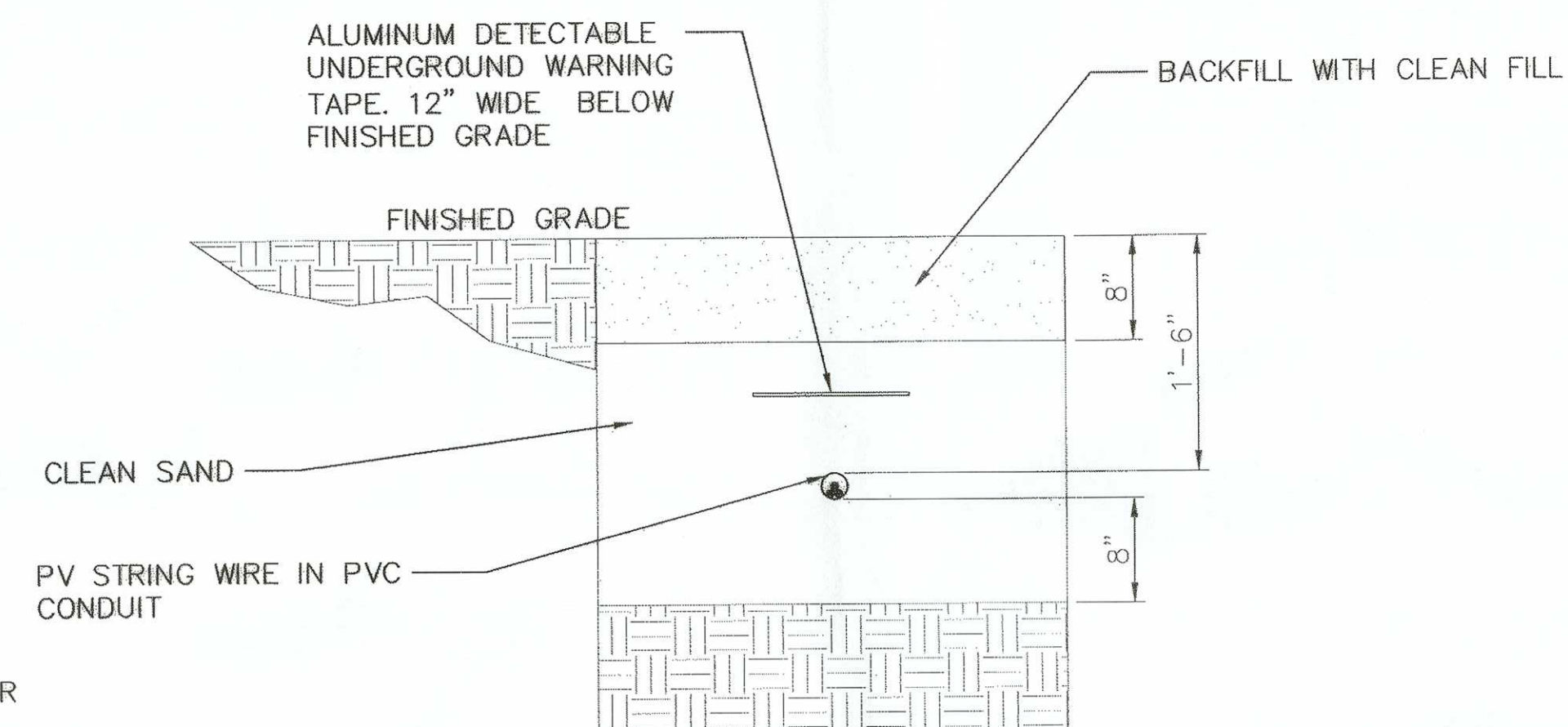
1 DC TRENCH DETAILS  
SP-5.1 SCALE: N.T.S.



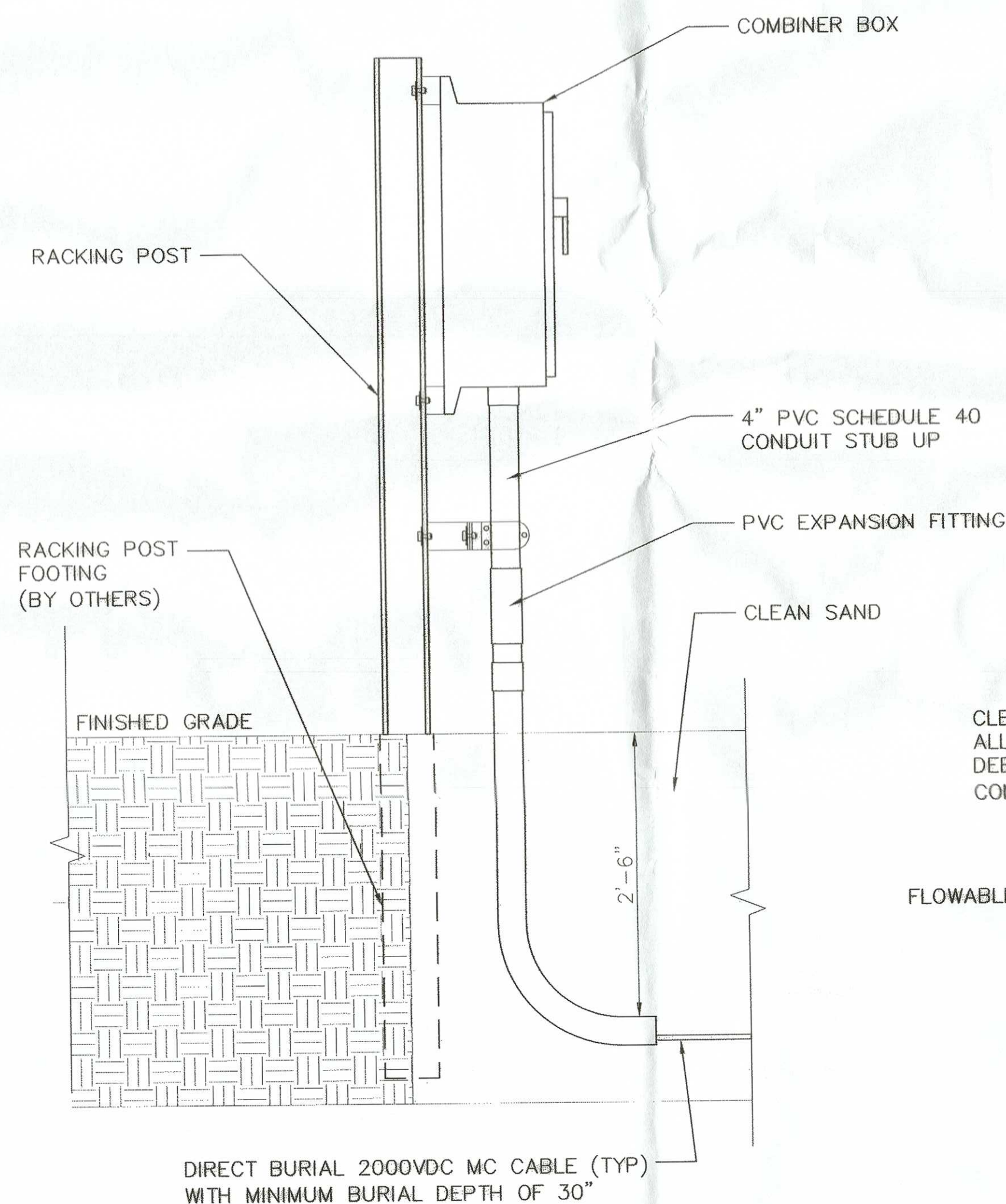
4 DIRECT BURIAL MEDIUM VOLTAGE TRENCH DETAILS  
SP-5.1 SCALE: N.T.S.



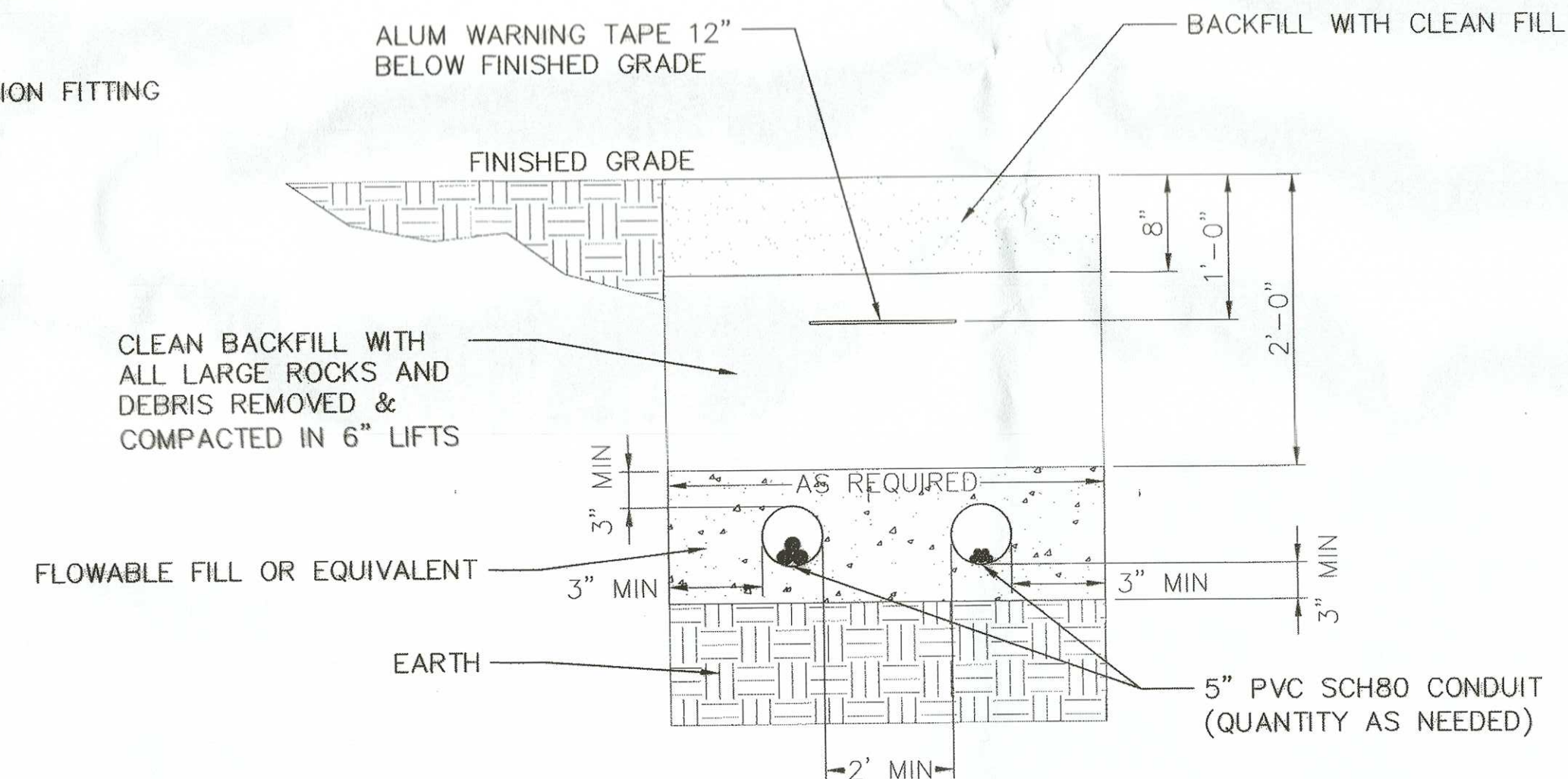
2 CONDUIT UNDER SLAB  
SP-5.1 SCALE: N.T.S.



3 ROW TO ROW JUMPER  
SP-5.1 SCALE: N.T.S.



5 CONDUIT STUB UP AT COMBINER BOXES  
SP-5.1 SCALE: N.T.S.



6 MEDIUM VOLTAGE CONCRETE TRENCH  
SP-5.1 SCALE: N.T.S.

- NOTES:
- COORDINATE ALL ELECTRICAL DESIGN ELEMENTS WITH APPLICABLE ELECTRICAL DRAWINGS AND NEC REQUIREMENTS.
  - NOT FOR CONSTRUCTION. FOR DISCUSSION PURPOSES DURING MUNICIPAL APPROVAL PROCESS.

MUNICIPAL APPROVALS

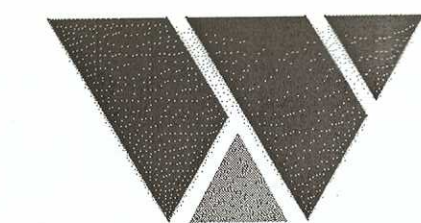
APPROVED THIS 10 DAY OF MARCH, 2014 BY THE TOWN OF FRANKLIN PLANNING BOARD

DATE 3-24-14

DATE

DATE

THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN  
DO NOT SCALE THIS DRAWING



WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLAGRANDE, JR., P.E.  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 48784

DRAWING NOTES:

- IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
- THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



(C) 2010 SUN EDISON, LLC AND ITS AFFILIATES. ALL RIGHTS RESERVED.  
12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE:	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

PROJECT:  
1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK:	-	LOT:	-
SCALE:	AS SHOWN	TASK:	-
DATE:	3/13/2014	PROJECT NO:	130206T
DRAWN BY:	C.A.	REVIEWED BY:	C.R.

DRAWING TITLE:  
TRENCHING AND RACKING  
DETAILS

DRAWING NO.:  
SP-5.1

SHEET NO.:  
8 OF 13



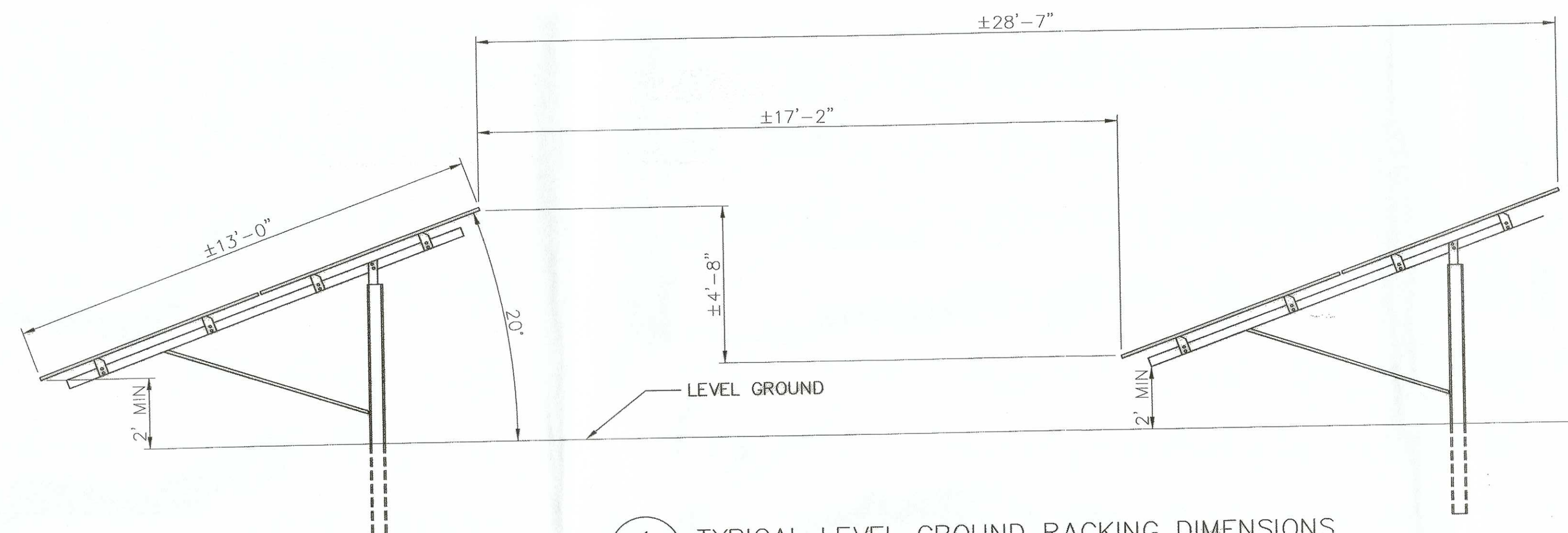




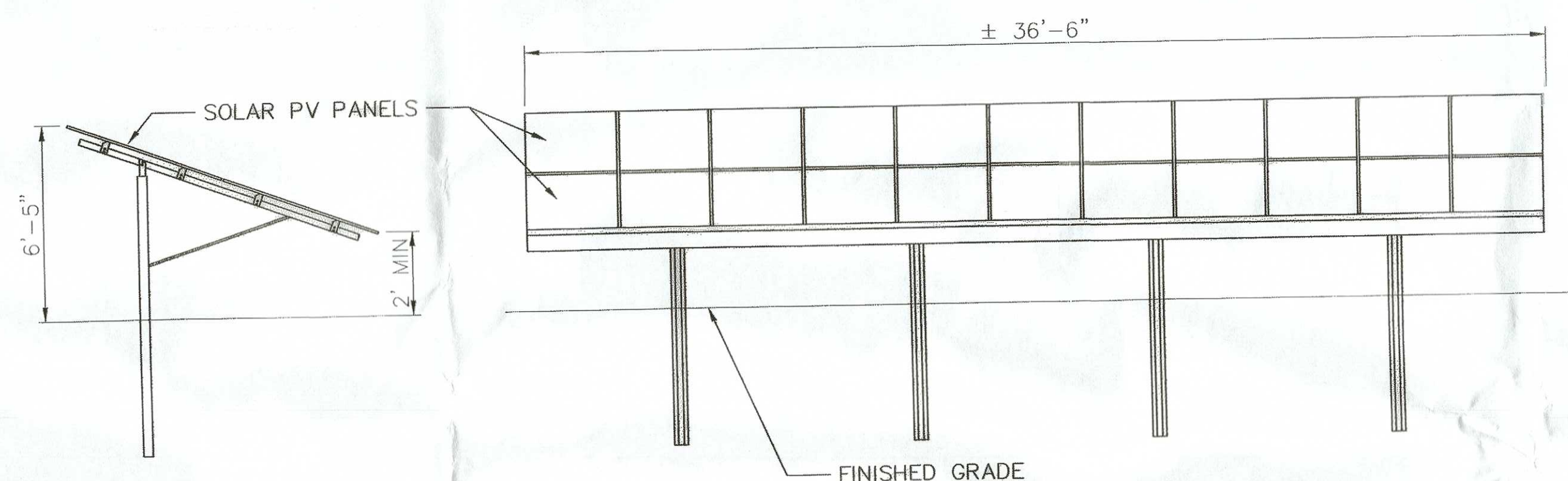
NOTE:  
RACKING SHOWN ONLY AS GRAPHICAL  
REPRESENTATION. ACTUAL RACKING MAY VARY.

# NOTES:

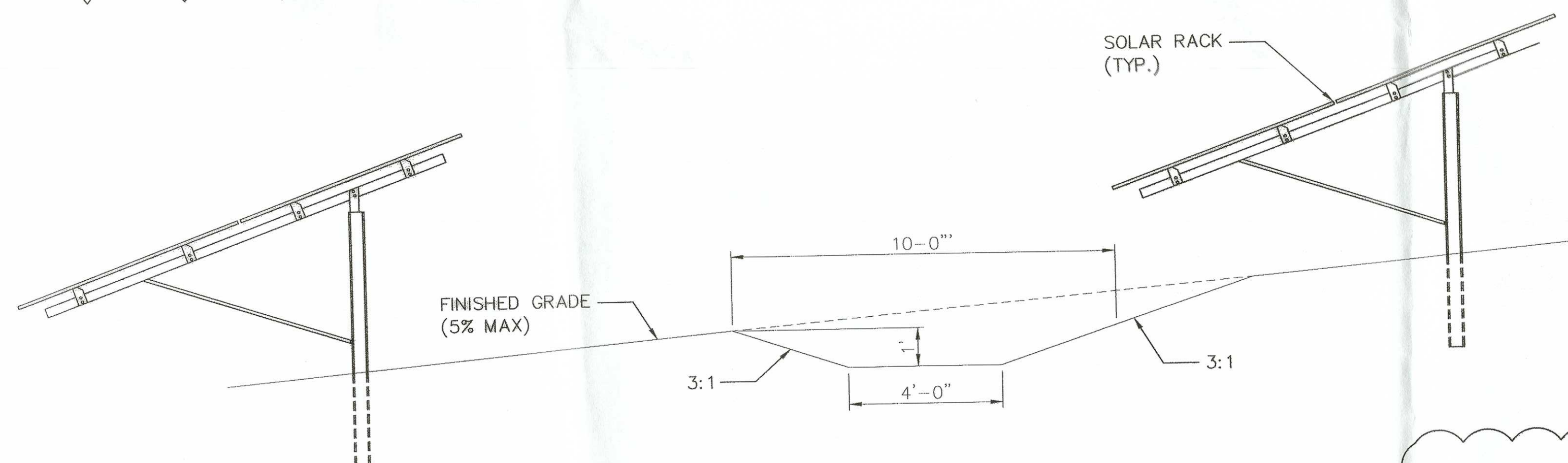
1. PRELIMINARY DESIGN FOR DISCUSSION PURPOSES DURING MUNICIPAL APPROVAL PROCESS. DO NOT USE FOR CONSTRUCTION. REFER TO MANUFACTURERS INSTALLATION MANUALS FOR EXACT CONNECTION LOCATIONS AND MOUNTING REQUIREMENTS.
2. SUNEDISON RESERVES THE RIGHT TO PROVIDE AN APPROVED EQUAL RACKING SYSTEM.
3. DETAILS AND CALCULATIONS FOR THE PROPOSED PANEL FOOTINGS SHALL BE PROVIDED TO THE TOWN ENGINEER PRIOR TO A PRE-CONSTRUCTION MEETING. DETAILS AND CALCULATIONS SHALL BE PREPARED BY A MASSACHUSETTS LICENSED PROFESSIONAL ENGINEER TO ADDRESS THE STRUCTURAL INTEGRITY OF THE PROPOSED FOOTINGS.



1 TYPICAL LEVEL GROUND RACKING DIMENSIONS  
SP-7 SCALE: N.T.S.



2 TYPICAL RACKING SYSTEM DETAILS  
SP-7 SCALE: N.T.S.



3 TYPICAL RACKING DRAINAGE DITCH  
SP-7 SCALE: N.T.S.

MUNICIPAL APPROVALS

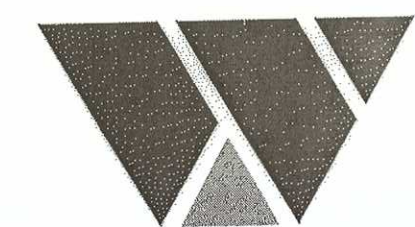
APPROVED THIS 10 DAY OF MARCH, 2014 BY THE TOWN OF FRANKLIN PLANNING BOARD

*[Signature]* DATE 3-24-14

*[Signature]* DATE \_\_\_\_\_

*[Signature]* DATE \_\_\_\_\_

THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN  
DO NOT SCALE THIS DRAWING



WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLAGRANDE JR., P.E. DATE: 3/13/14  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 48784

## DRAWING NOTES:

1. IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
2. THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



(C) 2010 SUN EDISON, LLC AND ITS AFFILIATES, ALL RIGHTS RESERVED  
12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE:	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

## PROJECT:

1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK:	-	LOT:	-
SCALE:	AS SHOWN	TASK:	-
DATE:	3/13/2014	PROJECT NO.:	130206T
DRAWN BY:	C.A.	REVIEWED BY:	C.R.

## DRAWING TITLE:

TYPICAL RACKING DETAILS

## DRAWING NO.:

SP-7

## SHEET NO.:

10 OF 13

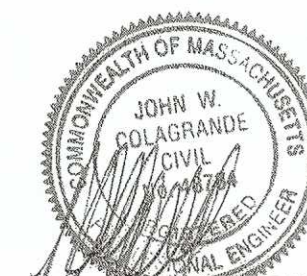


Z:\WHITMAN\2013\13-02-06T PRO-TECH TRI COUNTY VO TECH\ZONING\REV 4\13-02-06 SP8



WHITMAN

7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLAGRANDE, JR., P.E.  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 48784

DRAWING NOTES:

1. IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
2. THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



(C) 2010 SUN EDISON, LLC AND ITS AFFILIATES. ALL RIGHTS RESERVED

12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE:	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

PROJECT:

1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK:	LOT:
SCALE:	AS SHOWN
DATE:	3/13/2014
DRAWN BY:	C.A.
REVIEWED BY:	C.R.

DRAWING TITLE:

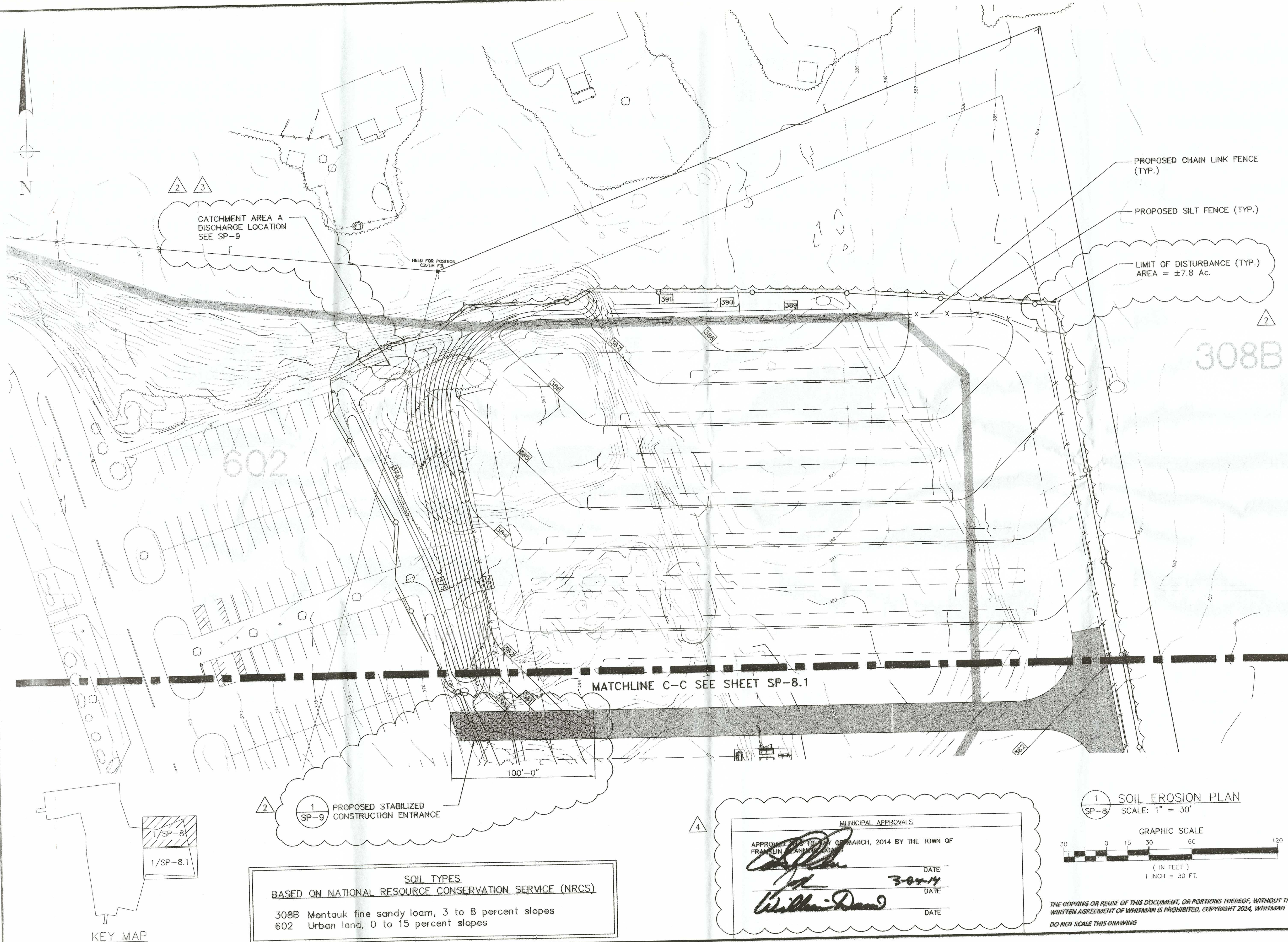
SOIL EROSION PLAN

DRAWING NO.:

SP-8

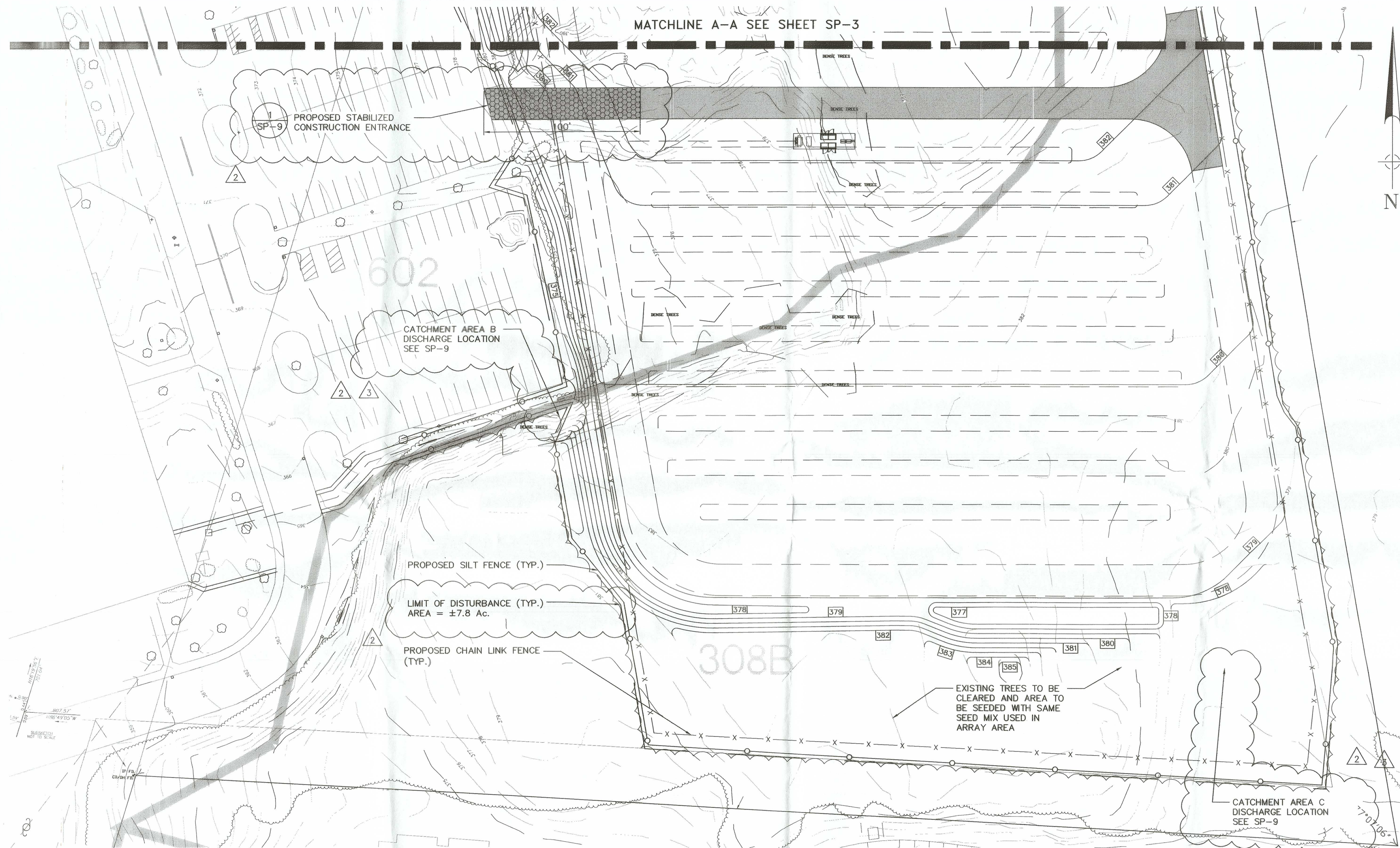
SHEET NO.:

11 OF 13

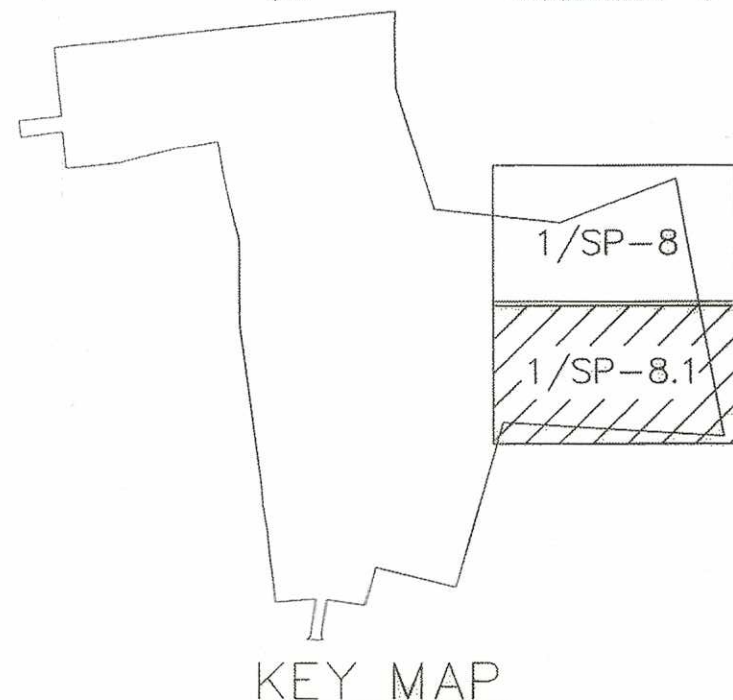




Z:\WHITMAN\2013\13-02-06T PRO-TECH TRI COUNTY VO TECH\ZONING\REV 4\13-02-06 SP8



SECTION  
NOT TO SCALE



**SOIL TYPES**  
BASED ON NATIONAL RESOURCE CONSERVATION SERVICE (NRCS)

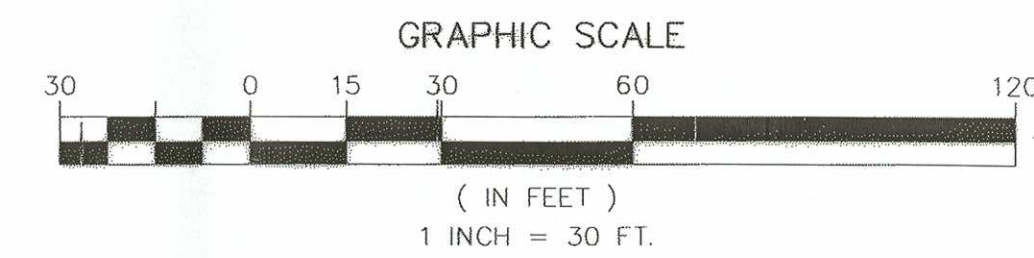
308B Montauk fine sandy loam, 3 to 8 percent slopes  
602 Urban land, 0 to 15 percent slopes

**MUNICIPAL APPROVALS**

APPROVED THIS 16 DAY OF MARCH, 2014 BY THE TOWN OF FRANKLIN PLANNING BOARD

*[Signature]* DATE 3-24-14  
*[Signature]* DATE

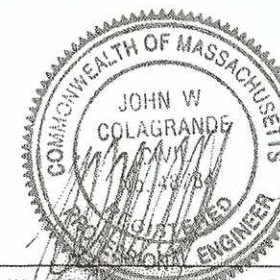
**1 SOIL EROSION PLAN**  
SP-8.1 SCALE: 1" = 30'



THE COPYING OR REUSE OF THIS DOCUMENT, OR PORTIONS THEREOF, WITHOUT THE WRITTEN AGREEMENT OF WHITMAN IS PROHIBITED, COPYRIGHT 2014, WHITMAN  
DO NOT SCALE THIS DRAWING



7 PLEASANT HILL ROAD  
CRANBURY, NJ 08512  
TEL: (732) 390-5858  
FAX: (732) 390-9496



JOHN W. COLASANDRI, JR., P.E. DATE 3/13/14  
MASSACHUSETTS PROFESSIONAL ENGINEER LIC. NO. 48784

**DRAWING NOTES:**

1. IF THIS DRAWING DOES NOT CONTAIN THE ORIGINAL SEAL OF THE PROFESSIONAL ENGINEER, IT IS NOT A VALID DOCUMENT AND NO LIABILITY IS ASSUMED FOR THE INFORMATION SHOWN.
2. THIS DRAWING HAS BEEN PREPARED AS AN 'D' SIZE DOCUMENT. DO NOT SCALE THIS DRAWING IF IT IS PLOTTED AS ANY OTHER SIZE.



(C) 2010 SUN EDISON, LLC AND ITS AFFILIATES, ALL RIGHTS RESERVED

12500 BALTIMORE AVE.  
BELTSVILLE, MD 20705  
(443) 909-7200



3322 ROUTE 22 W  
BRANCHBURG, NJ 08876  
(908) 526-3322

NO.	DATE	REVISION DESCRIPTION
0	7/12/13	PRELIMINARY SUBMISSION
1	11/01/13	COMMENTS INCORPORATED
2	02/18/14	COMMENTS INCORPORATED
3	03/04/14	COMMENTS INCORPORATED
4	3/12/14	FINAL SUBMISSION

**PROJECT:**  
1.3068 MW (DC) TOTAL  
1.0 MW (AC) TOTAL  
GROUND MOUNTED PHOTOVOLTAIC SYSTEM  
SUN EDISON # MA-12-0172  
TRI-COUNTY REGIONAL  
VOCATIONAL SCHOOL  
OLD W CENTRAL ST. POLE 74-2  
FRANKLIN, MA 02038

BLOCK:	LOT:
SCALE: AS SHOWN	TASK:
DATE: 3/13/2014	PROJECT NO: 130206T
DRAWN BY: C.A.	REVIEWED BY: C.R.

**DRAWING TITLE:**

SOIL EROSION PLAN

**DRAWING NO.:**

SP-8.1

**SHEET NO.:**

12 OF 13



