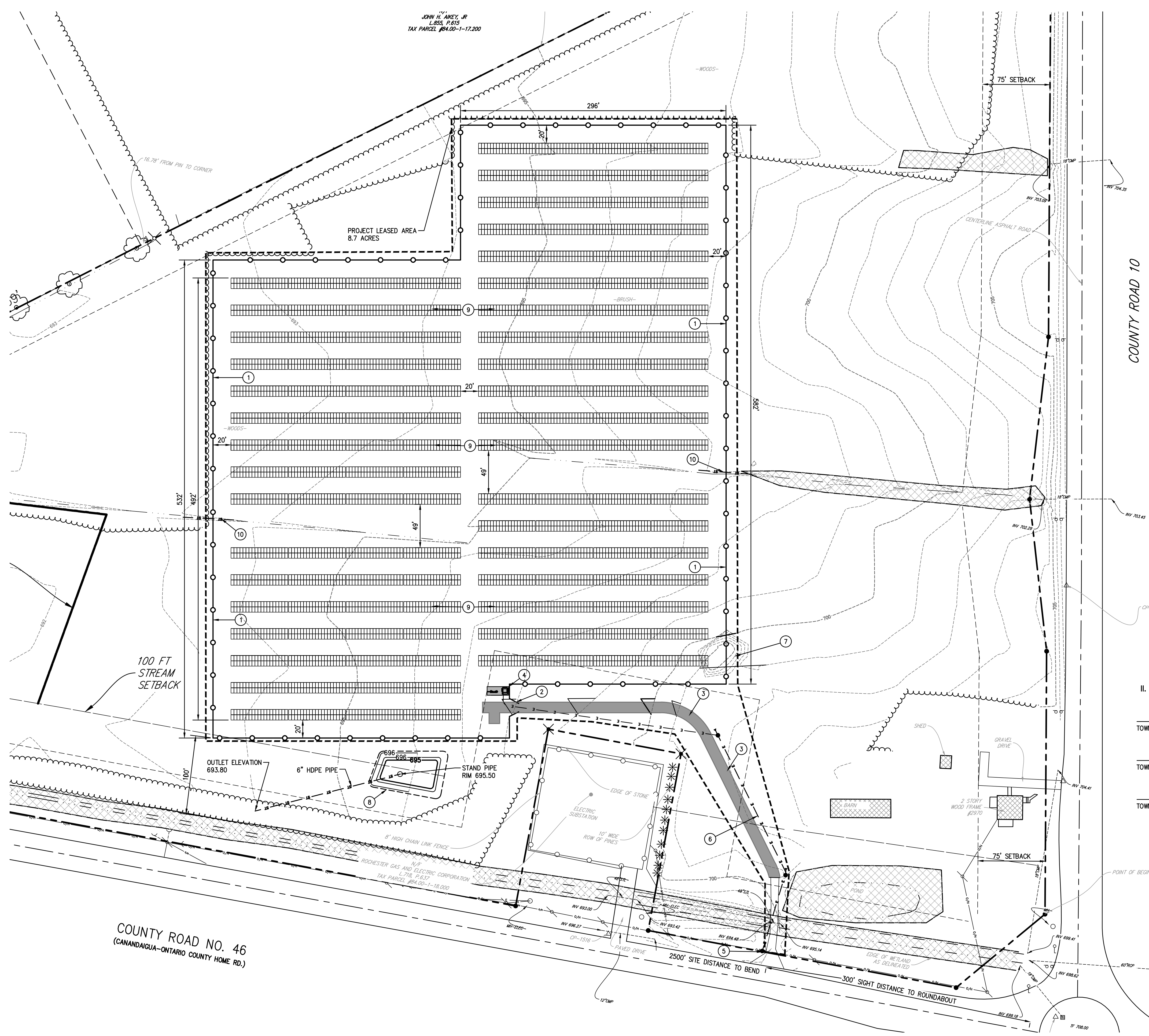


PROJECT NO:  
3076.007





JOHN H. AKEY, JR.  
L.S.S., P.E.  
TAX PARCEL #94.00-1-17.200



**SITE IMPROVEMENT NOTES**

1. PROVIDE 7 FT HIGH PERIMETER FENCING AROUND ARRAY SECTION PER DETAIL 1/C3.0. PROVIDE SIGNS MOUNTED ON FENCE PER DETAIL 1/C3.0 AND 5/C3.0.
2. PROVIDE 20 FT WIDE DOUBLE SWING GATE, MATCH ADJACENT FENCE HEIGHT. SEE DETAIL 2/C3.0.
3. PROVIDE 12 FT WIDE GRAVEL SITE ENTRANCE DRIVE PER DETAIL 3/C3.0.
4. PROVIDE CONCRETE PAD FOR ELECTRICAL EQUIPMENT. PROVIDE CONNECTION TO ELECTRIC SERVICE. SEE DETAIL 4/C3.0.
5. PROVIDE CONNECTION TO ELECTRIC SERVICE. REFER TO ELECTRICAL DRAWINGS FOR DETAILS. TO BE COORDINATED WITH UTILITY COMPANY.
6. UNDERGROUND ELECTRIC AND OVERHEAD WIRES TO BE COORDINATED WITH ELECTRICAL DRAWINGS.
7. REMOVE DEBRIS PILE.
8. PROVIDE BIORETENTION AREA AND ASSOCIATED UNDERDRAIN PER DETAIL 6/C3.0.
9. REFER TO APPROPRIATE DRAWINGS FOR THE INSTALLATION OF POST MOUNTED SOLAR PANELS.
10. PROVIDE 12" CMP CULVERT UNDER FENCE.

**SEEDING REQUIREMENTS NOTE:**

- a. SEED MIX - ERNST SEED, ERNMX - 186 ERNST SOLAR FARM SEED MIX.
- b. APPLY LAWN MIX AT A RATE OF 6 LB PER 1,000 SF
- c. APPLY SEED WITH MECHANICAL OR HYDRO SEEDER. OPTIMUM SEEDING DEPTH IS ONE INCH (EXCEPT SANDY SOILS, 2 INCHES).
- d. WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPAKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHALL BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
- e. NO PHOSPHOROUS SHALL BE USED AT PLANTING TIME UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY A HORTICULTURAL TESTING LAB AND THE SOIL TEST SPECIFICALLY INDICATE A PHOSPHOROUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS AND PLANTINGS FROM ESTABLISHING PROPERLY.
- f. IF SOIL TESTS INDICATE A PHOSPHOROUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHOROUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL NYSDC REGULATIONS.

**II. APPROVALS**

TOWN OF CANANDAIGUA PLANNING CHAIRMAN	DATE
TOWN OF CANANDAIGUA ENGINEER	DATE
TOWN OF CANANDAIGUA HIGHWAY SUPERINTENDENT	DATE

DRAWN BY :  
TPD

CHECKED BY :  
BJS

DATE :  
9/16/2016

SCALE :  
1" = 50'

BY :  
TPD

DESCRIPTION OF REVISION:  
PLANNING BOARD COMMENTS  
TOWN ENGINEER COMMENTS

DATE:  
9/18/16  
10/24/16

#  
1 2 3 4 5 6 7 8 9 10

"Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architects Seal, Is A Violation Of Section 7209 Of The New York State Education Law."

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FAX • 327 • 7949  
TOWANDA, PA  
ROCHESTER, NY  
HORSEHEADS, NY

**SITE IMPROVEMENT PLAN**

**PFISTER ENERGY OF BALTIMORE, LLC**

**CANANDAIGUA WESTBROOK SOLAR ARRAY**

TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK

**C2.0**

PROJECT NO:  
3076.007





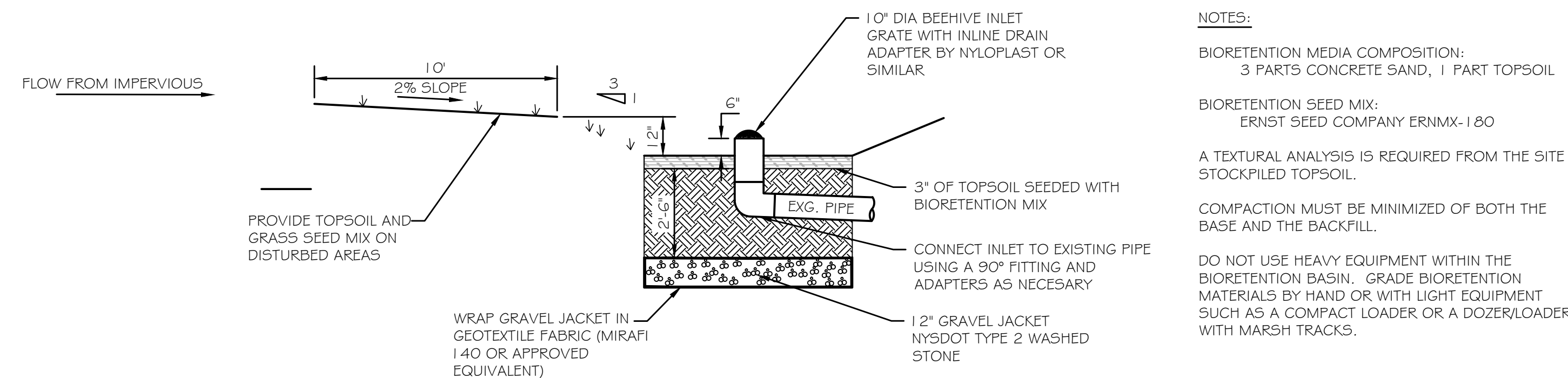
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9/16/2016  
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BY:  
TPD

DESCRIPTION OF REVISION:	PLANNING BOARD COMMENTS	TOWN ENGINEER COMMENTS
DATE:	9/18/16	10/24/16
#	1	2
"Unauthorized Alteration Or Addition To Plans Bearing A Licensed Engineer's Or Architects Seal, Is A Violation Of Section 7209 Of The New York State Education Law."		
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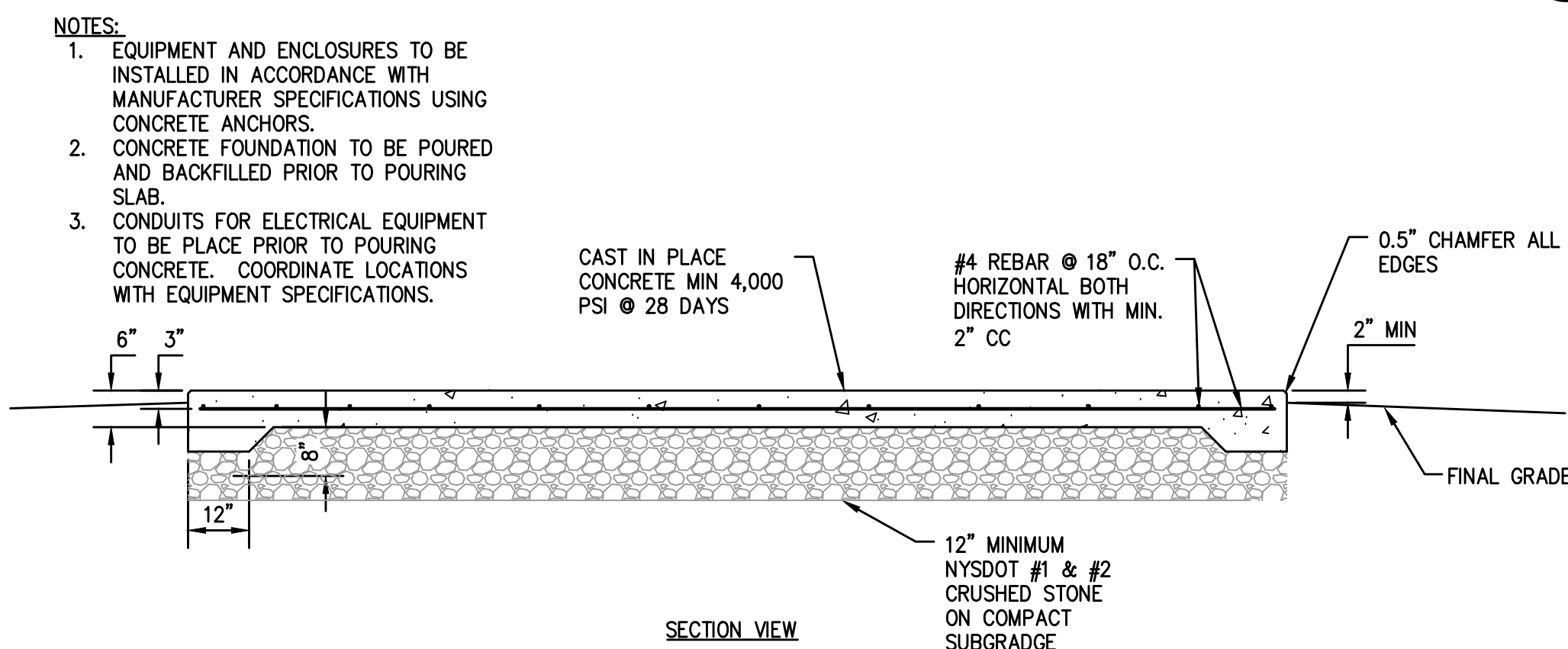
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HORSEHEADS, NY  
**HUNT**  
ENGINEERS ARCHITECTS PLANNERS

SITE DETAILS  
PFISTER ENERGY OF BALTIMORE, LLC  
CANANDAIGUA WESTBROOK SOLAR ARRAY  
TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK

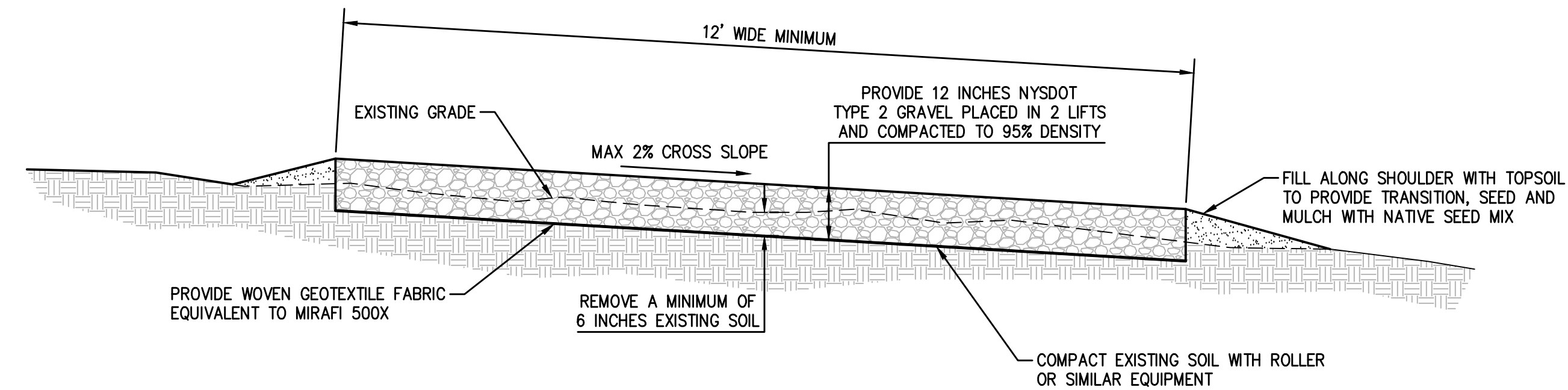
C3.0  
PROJECT NO:  
3076.007



6 BIORETENTION DETAIL  
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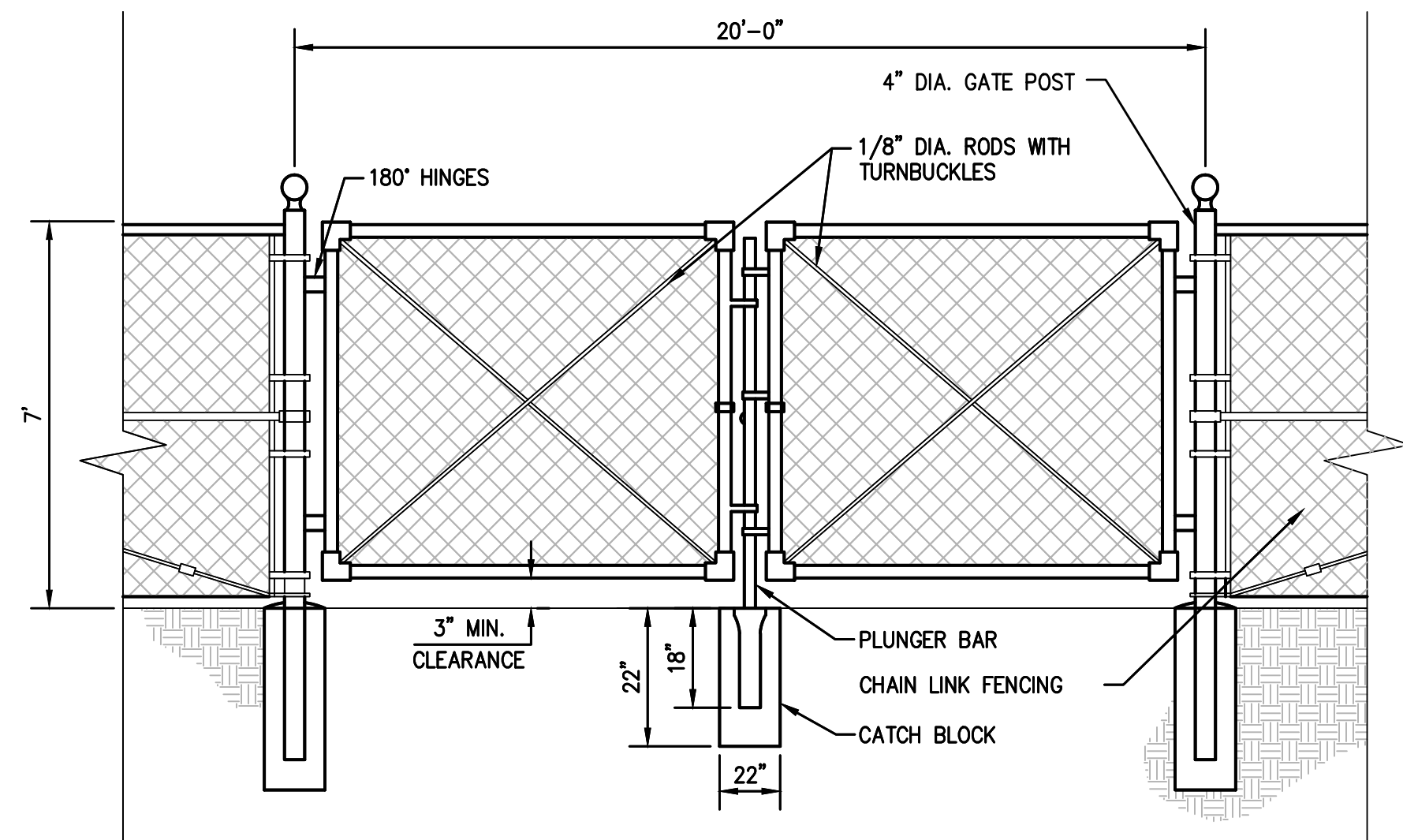
4 ELECTRIC EQUIPMENT PAD DETAIL  
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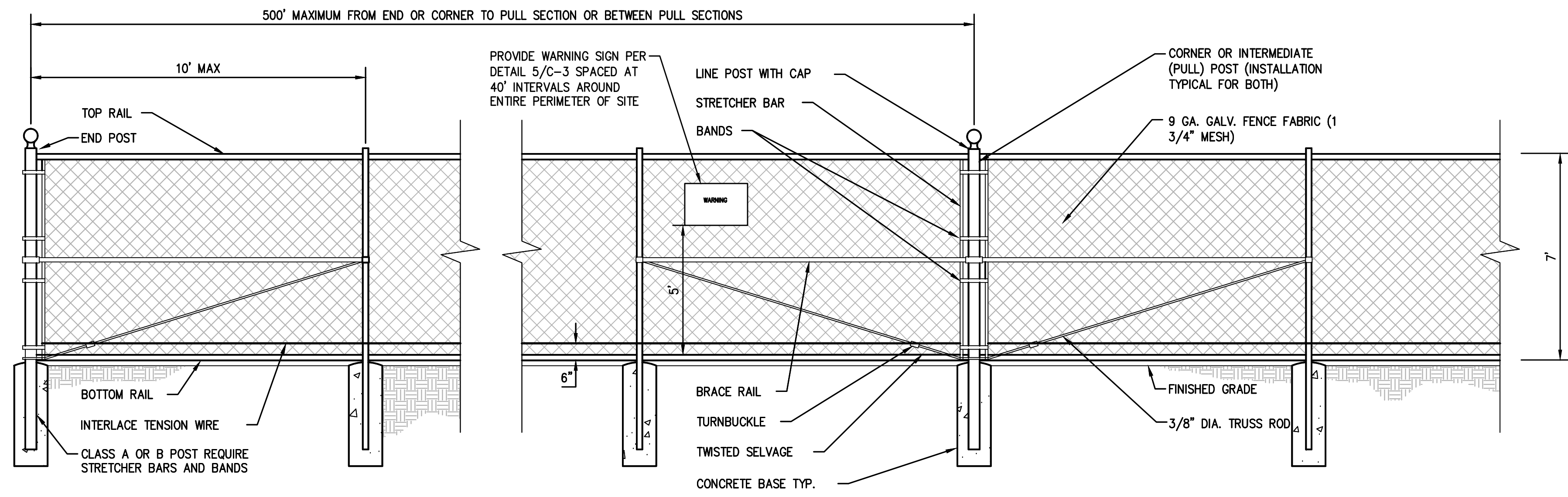
3 GRAVEL DRIVE  
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5 TRESPASSING SIGN DETAIL  
SCALE: N.T.S.

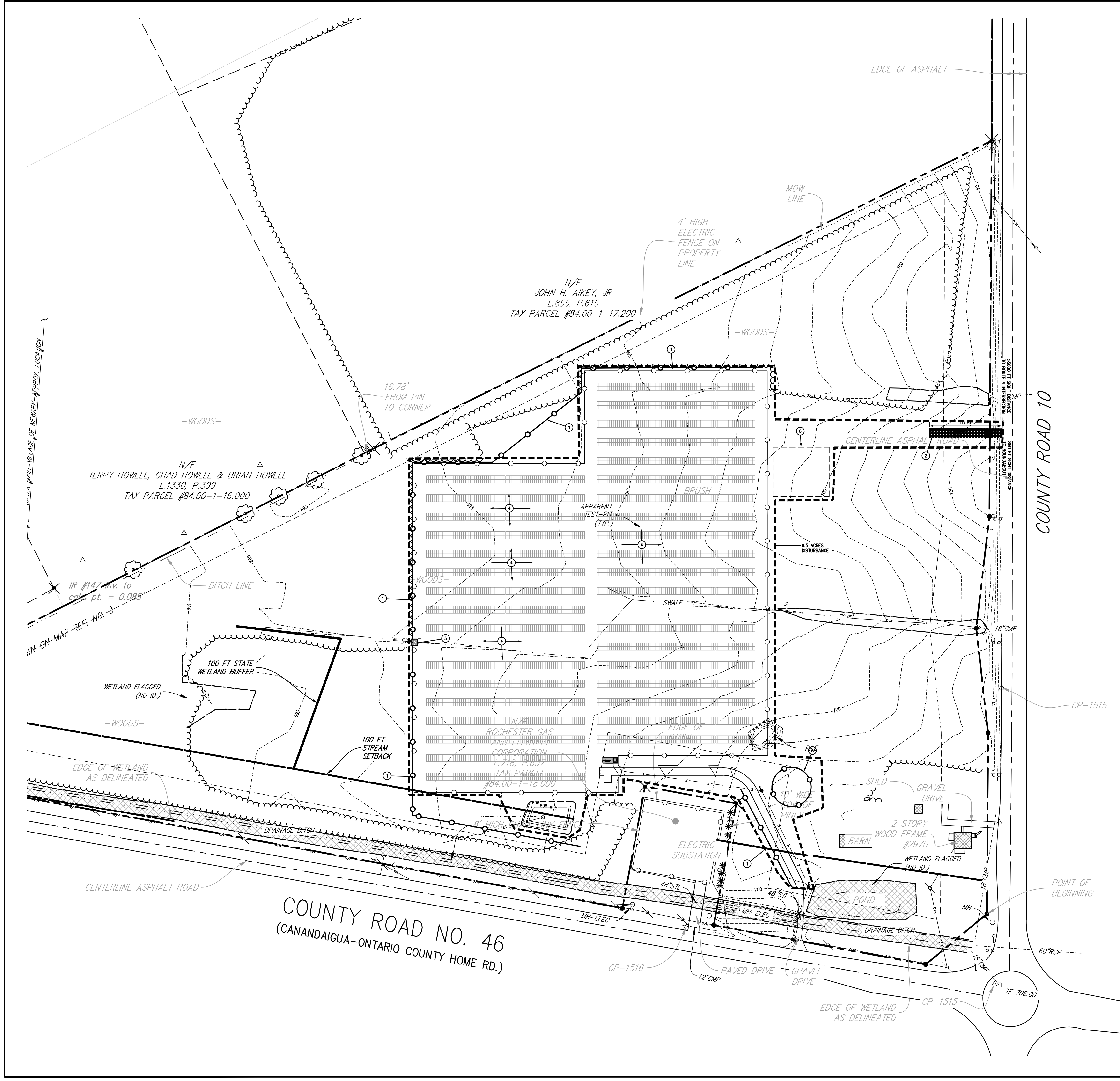


2 VEHICLE GATE DETAIL  
SCALE: N.T.S.



1 CHAIN LINK FENCE DETAILS  
SCALE: N.T.S.

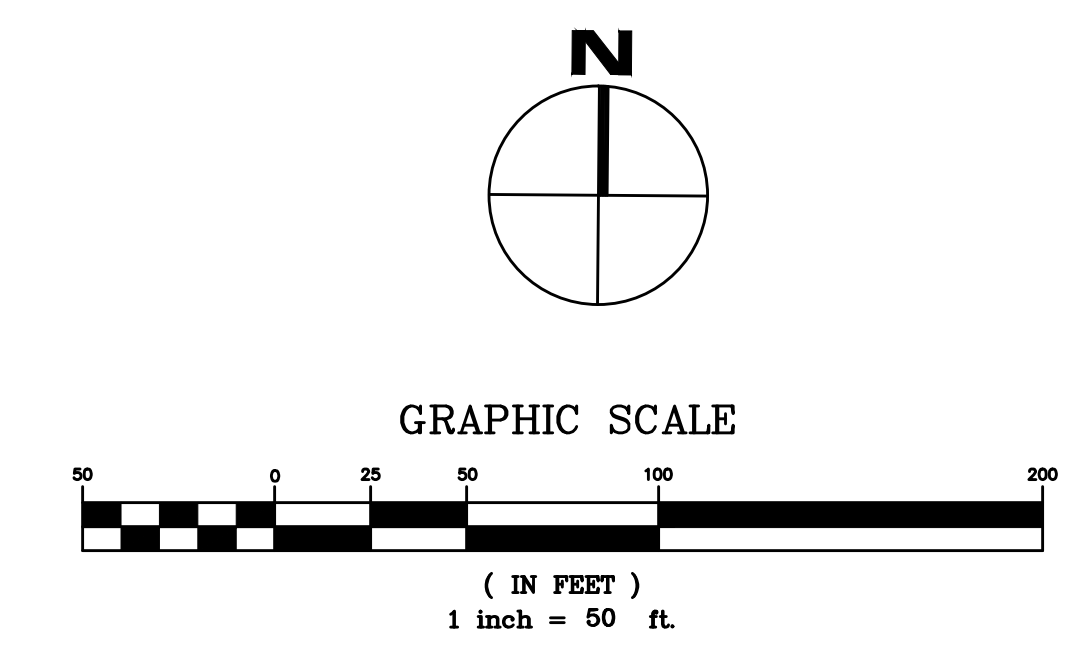




- NOTES:
1. PROVIDE SILT FENCE AS ILLUSTRATED ON PLAN. SILT FENCE SHOULD BE INSTALLED ALONG GRADE AND AS SPECIFIED IN DETAIL 3/C4.1.
  2. PROVIDE CONSTRUCTION ENTRANCE PER DETAIL 2/C4.1
  3. PROVIDE SOIL STOCKPILE IF REQUIRED, AND SILT FENCE PROTECTION PER DETAIL 1/C4.1
  4. SEED AND MULCH ALL DISTURBED AREAS.
  5. PROVIDE GRASS OUTLET SEDIMENT TRAP PER DETAIL 4/C4.1.
  6. MATERIALS LAY DOWN AREA IF REQUIRED.

II. APPROVALS

TOWN OF CANANDAIGUA PLANNING CHAIRMAN	DATE
TOWN OF CANANDAIGUA ENGINEER	DATE
TOWN OF CANANDAIGUA HIGHWAY SUPERINTENDENT	DATE



DRAWN BY :  
CLA

CHECKED BY :  
JLM

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1" = 50'

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EROSION & SEDIMENT PLAN

PFISTER ENERGY OF BALTIMORE, LLC

CANANDAIGUA WESTBROOK SOLAR ARRAY

TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK

C4.0

PROJECT NO:  
3076.007

I. GENERAL REQUIREMENTS:

- ALL CONTRACTORS AND SUB-CONTRACTORS SHALL CERTIFY WITH THE SUPPLEMENT TO THE SWPPP THAT THEY WILL IMPLEMENT AND MAINTAIN STORMWATER MANAGEMENT PRACTICES.
- EROSION CONTROL MEASURES INSTALLED AND MAINTAINED BY THE SITE WORK CONTRACTOR ARE SUBJECT TO THE REVIEW AND APPROVAL BY THE NYSDEC, TOWN OF CANANDAIGUA MS4, DESIGN ENGINEER AND OWNERS REPRESENTATIVE. IMMEDIATE ACTION BY THE CONTRACTOR SHALL BE TAKEN IF ADDITIONAL OR CORRECTIVE MEASURES ARE REQUIRED BY ANY ONE OF THESE CITED REVIEWERS. EROSION CONTROL MEASURES NOT SPECIFICALLY SHOWN ON CONTRACT DRAWINGS, SHALL BE INSTALLED AS WARRANTED BY FIELD CONDITIONS AND AS DIRECTED BY THE AFOREMENTIONED REVIEWERS.
- AS DESIGN ENGINEER, OUR OFFICE HAS NOTIFIED THE OWNER OF THE INSPECTION REQUIREMENTS UNDER THE GENERAL PERMIT. DISTURBANCES OF ONE ACRE OR GREATER REQUIRE THAT THE OWNER FILE A NOTICE OF INTENT AND A SWPPP WITH THE NYSDEC, AND THE TOWN OF CANANDAIGUA MS4, UNDER STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES). THE REGULATIONS REQUIRE THAT A LICENSED PROFESSIONAL COMPLETE A WEEKLY INSPECTION THROUGHOUT THE PERIOD OF LAND DISTURBANCE..

II. EROSION & SEDIMENT POLLUTION CONTROL (E & SPC) GUIDELINES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION AND SEDIMENT CONTROL TO PROTECT SURROUNDING WATER BODIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION CONTROL AND MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES TO ENSURE PROPER FUNCTIONING OF SAID FACILITIES (DURING CONSTRUCTION).
- AFTER THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR ENSURING THAT ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR REPLACED BY PERMANENT CONTROLS.
- ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN FIVE (5) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND MULCH. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL, AT A RATE OF 2.5 – 3.0 TONS PER ACRE, ACCORDING TO STATE STANDARDS.
- PERMANENT VEGETATION TO BE SEEDDED OR SODDED ON ALL EXPOSED AREAS WITHIN FIVE (5) DAYS AFTER FINAL GRADING. MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. LIME AND FERTILIZE SEED BED PRIOR TO PERMANENT SEEDING.
- EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES AND PRACTICES, UTILIZED IN THE CONSTRUCTION OF THE PROJECT, SHALL BE CONSISTENT WITH THE LATEST VERSIONS OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL, AND THE NEW YORK STATE SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES.
- NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED, AS FEASIBLE PRIOR TO AND DURING CONSTRUCTION.
- CUT AND FILL SLOPES SHALL BE BROUGHT TO FINAL PROPOSED GRADES AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCES, AND SEEDED AND MULCHED IMMEDIATELY.
- EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES (SILT SOCK, INLET PROTECTION, STABILIZED CONSTRUCTION ENTRANCES, AND OTHER ACCEPTABLE FACILITIES) SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL COMPLETE SITE STABILIZATION.
- HEAVY CONSTRUCTION EQUIPMENT SHALL BE KEPT AS CLOSE TO THE WORK AREA AS PRACTICED TO MINIMIZE DISTURBANCE OF SOIL ALREADY STABILIZED OR UNDISTURBED.
- TOPSOIL AND OTHER SOIL REMOVED DURING CONSTRUCTION SHALL BE STOCKPILED IN A SUITABLE LOCATION CLEAR FROM ANY STORMWATER DRAINAGE COURSES. STOCKPILES WHICH ARE INACTIVE FOR MORE THAN 5 DAYS SHALL BE SEEDDED AND MULCHED.
- VEGETATIVE STABILIZATION SHALL BE PERIODICALLY INSPECTED FOR SUFFICIENT GROWTH AND PROGRESS. AREAS NOT RESPONDING SHALL BE PROMPTLY RESEEDDED AND REMULCHED AS SOON AS POSSIBLE. AREAS SHOWING SIGNS OF EROSION PRIOR TO STABILIZATION SHALL BE GRADED, RESEEDDED, AND REMULCHED AS SOON AS POSSIBLE. SOIL OR EROSION CONTROL FABRIC SHALL BE UTILIZED WHERE ADEQUATE STABILIZATION IS NOT OCCURRING
- ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BEFORE BEGINNING EARTH MOVING ACTIVITIES, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- A STABILIZED CONSTRUCTION ENTRANCE PAD OF 1.5" TO 2" CLEAN STONE WILL BE PLACED AT ALL CONSTRUCTION DRIVEWAYS IMMEDIATELY AFTER INITIAL SITE DISTURBANCE.
- THE APPLICATION OF TOPSOIL, LIMING, FERTILIZING, SEEDING, AND MULCHING FOR DISTURBED AREAS SHALL BE CONSISTENT WITH THE STANDARD GENERAL PRACTICES FOR CONSTRUCTION.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCES OF ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES AND ROADWAY EMBANKMENTS, ETC.) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2.5 – 3.0 TONS PER ACRE.
- AT THE TIME WHEN SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS TO BE ESTABLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
- IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL AREAS HAVE BEEN PERMANENTLY STABILIZED.

III. MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT FACILITIES

- PROPER MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT CONTROL FACILITIES ARE NECESSARY TO THE EFFECTIVENESS OF THE EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES.
- DISTURBED GROUND SURFACES SHALL BE SPRINKLED WITH WATER AND/OR CARBON CHLORIDE, AS NEEDED, TO LIMIT THE FORMATION AND MIGRATION OF AIRBORNE DUST.
- OPERATIONAL MEASURES SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT THE SPILLS OF FUELS AND LUBRICANTS. IF A SPILL OCCURS, IT SHALL BE CONTROLLED IMMEDIATELY TO PREVENT ITS ENTRY INTO OFF-SITE AREAS INCLUDING ADJACENT STORM SEWER.
- ANY TEMPORARY EROSION CONTROL FACILITY SHALL REMAIN FUNCTIONAL UNTIL VEGETATIVE COVER IS SUFFICIENTLY ESTABLISHED WITHIN THE RESPECTIVE TRIBUTARY DRAINAGE AREA.
- ANY DEBRIS ACCUMULATED IN EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE REMOVED AND PROPERLY DISPOSED OF. THESE FACILITIES SHALL BE CHECKED DAILY AND AFTER RAINFALL EVENTS, AND REALIGNED AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES THE FOLLOWING DEPTHS:

SILT FENCE – 1/2 HEIGHT (6 INCHES)

NOTE: DISTURBED AREAS SHALL BE CONSIDERED AS PERMANENTLY STABILIZED WHEN A MINIMUM COVER OF 80% HAS BEEN ESTABLISHED.

- ANY EROSION AND SEDIMENT CONTROL DEVICES THAT ARE NOTED AS DEFICIENT BY AN INSPECTOR, NYSDEC, OR TOWN OF CANANDAIGUA STAFF SHALL BE REPAIRED OR REPLACED WITHIN ONE WEEKS TIME.

IV. SOIL RESTORATION REQUIREMENTS

- AERATION AND THE APPLICATION OF 6 INCHES OF TOPSOIL IS REQUIRED IN ANY PROPOSED LAWN AREA WHERE TOPSOIL HAS BEEN DISTURBED.
- FULL SOIL RESTORATION IS REQUIRED IN HEAVY TRAFFIC AREAS ON SITE. RESTORATION IS ALSO REQUIRED ON REDEVELOPMENT AREAS WHERE EXISTING IMPERVIOUS AREA WILL BE CONVERTED TO PERVIOUS AREA.
- FULL SOIL RESTORATION REQUIREMENTS ARE AS FOLLOWS:
  - SOIL RESTORATION IS TO TAKE PLACE DURING PERIODS OF RELATIVELY LOW TO MODERATE SUBSOIL MOISTURE, FOLLOWING ROUGH GRADING OF THE DISTURBED SUBSOILS
  - APPLY 3 INCHES OF COMPOST OVER SUBSOIL
  - TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS
  - ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE
  - APPLY TOPSOIL TO A DEPTH OF 6 INCHES
  - VEGETATE AS SPECIFIED ON PLANS
- AT THE END OF THE PROJECT AN INSPECTOR SHOULD BE ABLE TO PUSH A 3/8 INCH METAL BAR 12 INCHES INTO THE SOIL JUST WITH BODY WEIGHT.
- TILLING SHOULD NOT BE PERFORMED WITHIN THE DRIP LINE OF ANY EXISTING TREES OR OVER UTILITY INSTALLATIONS THAT ARE WITHIN 24 INCHES OF THE SURFACE.
- ADDITIONAL INFORMATION AND GUIDANCE MAY BE FOUND IN "DEEP-RIPPING AND DECOMPACTION" PUBLISHED BY NYSDEC DIVISION OF WATER 2008.

V. MULCHING AND SEEDING REQUIREMENTS

TEMPORARY REQUIREMENTS

DISTURBED AREAS ARE TO BE SEEDDED AND MULCHED USING THE FOLLOWING GUIDELINES:

- SEEDING:
  - SEED MIX – 50% ANNUAL RYEGRASS, 50% PERENNIAL RYEGRASS
  - APPLY LAWN MIX AT A RATE OF 50 LB PER ACRE
  - APPLY SEED WITH MECHANICAL OR HYDRO SEEDER. OPTIMUM SEEDING DEPTH IS ONE INCH (EXCEPT SANDY SOILS, 2 INCHES).
  - WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTPAKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHALL BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
- MULCHING
  - MULCH MATERIALS SHALL BE UNROTTED SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 2-1/2 TO 3 TONS PER ACRE, OR 70 TO 90 POUNDS PER 1,000 SQUARE FEET. MULCH SHOULD NOT BE GROUND OR CHOPPED INTO SHORT PIECES.
  - SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75 PERCENT TO 95 PERCENT OF THE SOIL SURFACE WILL BE COVERED.
  - MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. 1. MULCHING NETTINGS – STAPLE, JUTE OR COTTON NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.

PERMANENT SEEDING:

- SEEDING:
  - SEED MIX – ERNST SEED, ERNMX – 186 ERNST SOLAR FARM SEED MIX.
  - APPLY LAWN MIX AT A RATE OF 6 LB PER 1,000 SF.
  - APPLY SEED WITH MECHANICAL OR HYDRO SEEDER. OPTIMUM SEEDING DEPTH IS ONE INCH (EXCEPT SANDY SOILS, 2 INCHES).
  - WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTPAKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHALL BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.

VI. SEQUENCE OF CONSTRUCTION

THE FOLLOWING ARE STEPS REGARDING THE CONSTRUCTION AND INSTALLATION OF VARIOUS PROJECT COMPONENTS THAT WILL ASSIST IN THE CONTROL OF EROSION AND SEDIMENT CONTROL:

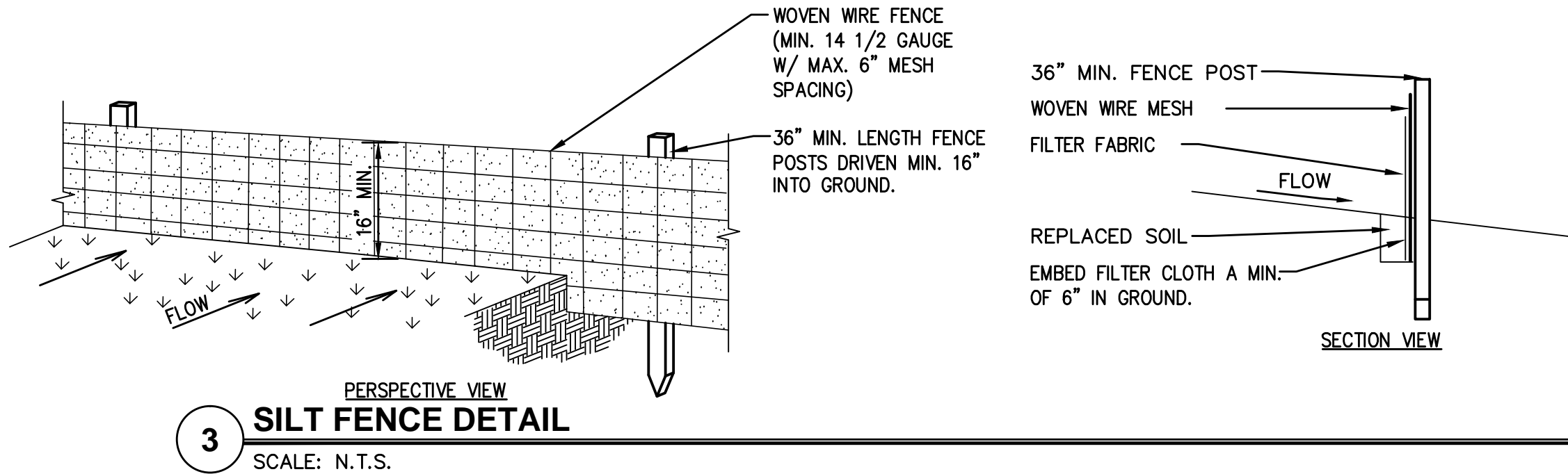
- INSTALL STABILIZED CONSTRUCTION ENTRANCES AND PERIMETER PROTECTION MEASURES (SILT SOCK, ETC.).
- ROUGH GRADE SITE AS SHOWN ON PLANS.
- TEMPORARILY STABILIZE ALL DISTURBED AREAS.
- INSTALL SOLAR ARRAYS AND ALL OTHER PROPOSED SITE IMPROVEMENTS.
- PROVIDE PERMANENT VEGETATION ON ALL DISTURBED AREAS.
- REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS ONCE 80% STABILIZATION HAS BEEN ACHIEVED.

NOTE: AT NO POINT DURING CONSTRUCTION SHALL GREATER THAN 5 ACRES OF THE PROJECT SITE BE DISTURBED AT ANY ONE TIME WITHOUT PRIOR APPROVAL OF A 5-ACRE WAIVER FROM THE NYSDEC AND THE TOWN OF CANANDAIGUA MS4.

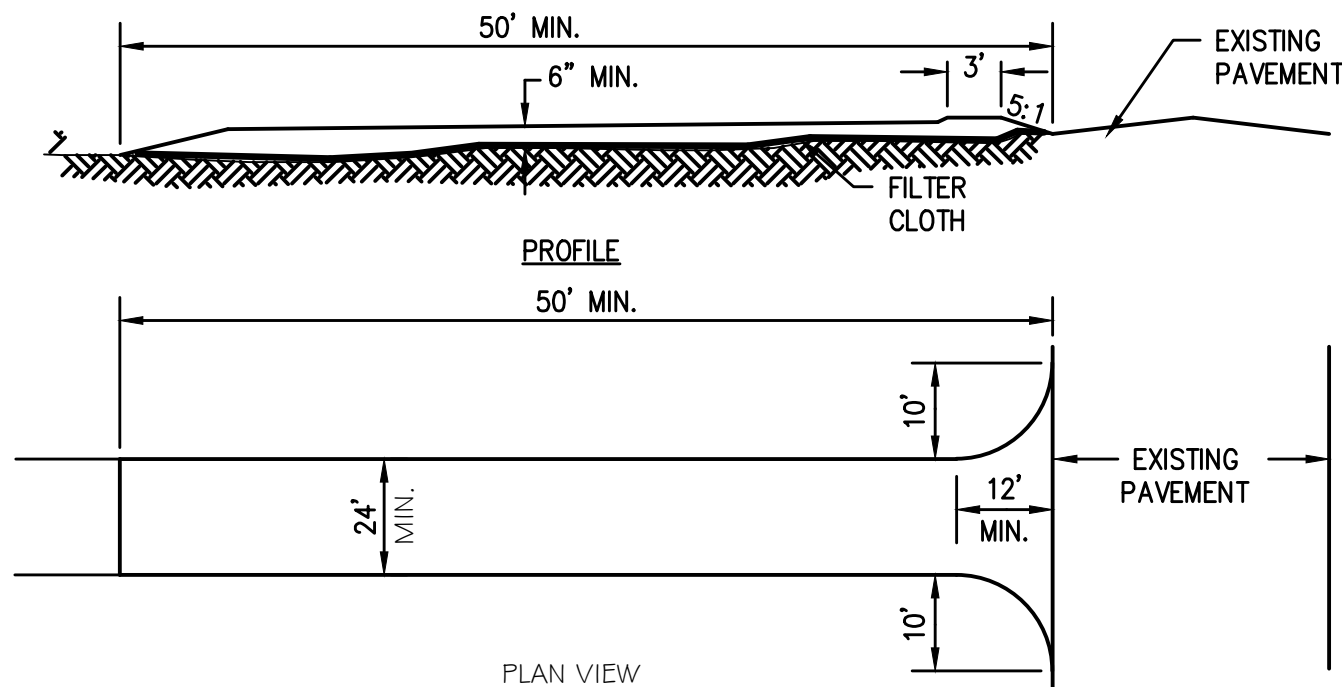
VII. GREATER THAN 5 ACRES DISTURBANCE

IF AT ANY POINT IN TIME, GREATER THAN 5 ACRES OF AREA IS DISTURBED, THE FOLLOWING ADDITIONAL GUIDELINES SHALL BE FOLLOWED:

- A MINIMUM OF TWO (2) INSPECTIONS WILL BE PERFORMED BY A QUALIFIED INSPECTOR AT LEAST EVERY SEVEN (7) DAYS, FOR AS LONG AS GREATER THAN FIVE (5) ACRES OF SOIL REMAIN DISTURBED.
- AREAS WHERE SOIL DISTURBANCE ACTIVITY WILL BE TEMPORARILY CEASED SHALL BE STABILIZED WITHIN FIVE (5) DAYS FROM WHEN SOIL DISTURBANCE CEASES.
- THE CONTRACTOR WILL PREPARE A PHASING PLAN THAT DEFINES MAXIMUM DISTURBED AREAS PER PHASE AND SHOWS REQUIRED CUT AND FILLS.



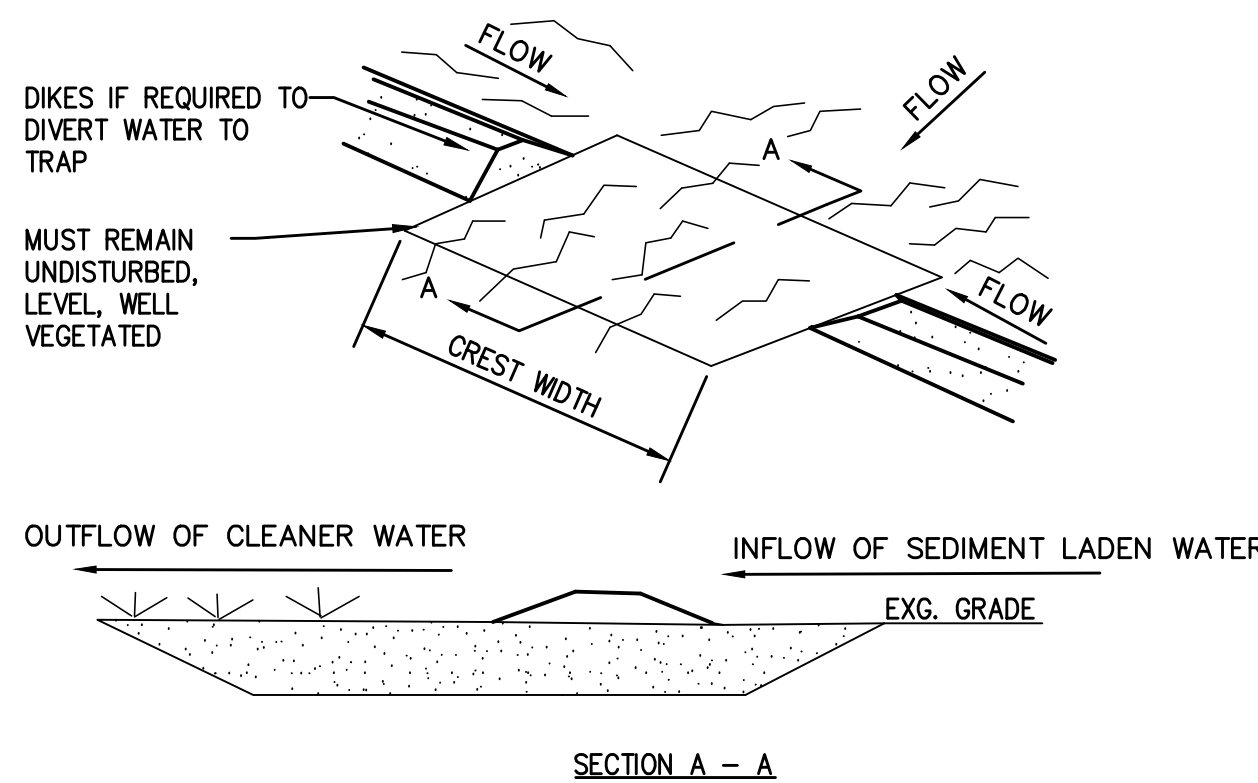
3 **SILT FENCE DETAIL**  
SCALE: N.T.S.



CONSTRUCTION NOTES FOR STABILIZED CONSTRUCTION ENTRANCE

- STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET .
- THICKNESS – NOT LESS THAN 6 INCHES.
- WIDTH – 24 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH – WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE RESIDENCE LOT
- SURFACE WATER – ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING IF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANEST OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

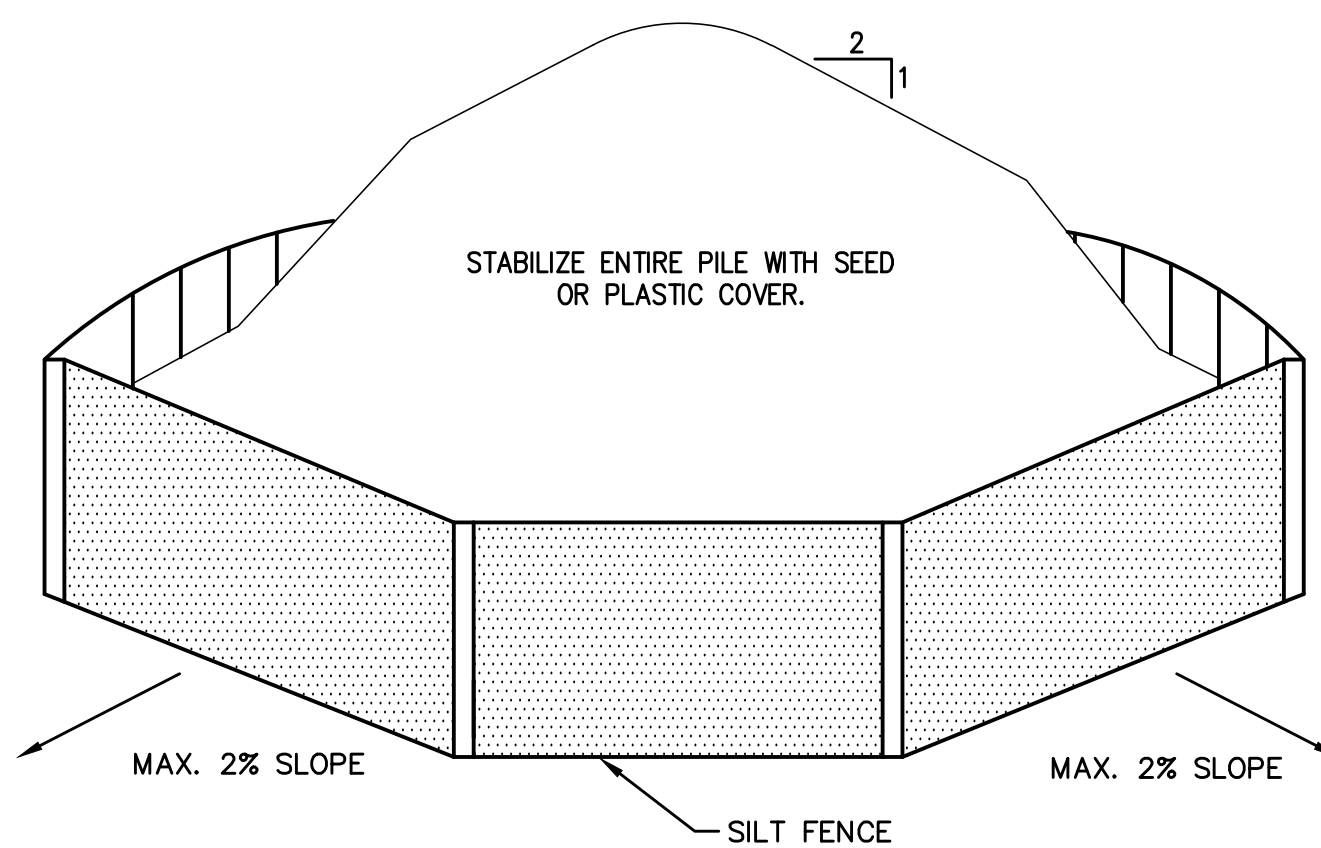
2 **STABILIZED CONSTRUCTION ENTRANCE**  
SCALE: NOT TO SCALE



- NOTES:
- VOLUME OF SEDIMENT STORAGE SHALL BE 1800 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE AREA.
  - MINIMUM CREST WIDTH SHALL BE 4 X DRAINAGE AREA.
  - SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 T DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
  - THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
  - CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION SHALL BE MINIMIZED.
  - THE SEDIMENT TRAP SHALL BE REMOVED AND AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
  - ALL CUT SLOPES SHALL BE 1:1 OR FLATTER.
  - MAXIMUM DRAINAGE AREA IS 5 ACRES.

4 **GRASS OUTLET SEDIMENT TRAP DETAIL**  
SCALE: N.T.S.

- NOTES:
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIRES OR STAPLES, POSTS SHALL BE HARDWOOD OR STEEL OF EITHER "I" OR "U" TYPE.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENINGS.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL.
  - PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.



SOIL STOCKPILING NOTES:

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
- UPON INITIAL SOIL STOCKPILING OR WHEN DISTURBED, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING AND THEN STABILIZED WITH SEED AND MULCH OR SECURED IMPERVIOUS COVER.
- SEE SILT FENCE INSTALLATION DETAIL.
- SILT FENCE SHALL BE INSTALLED A MINIMUM OF 10 FEET FROM THE TOE OF STOCKPILE.

1 **SOIL STOCKPILE DETAIL**  
SCALE: N.T.S.

STATE OF NEW YORK

SEAL

BENJAMIN JON GUERSON

NO. 089901

REGISTERED PROFESSIONAL ENGINEER

DRAWN BY :  
TPD

CHECKED BY :  
BJS

DATE :  
9/16/2016

SCALE :  
N.T.S.

BY :  
TPD

DESCRIPTION OF REVISION:  
PLANNING BOARD COMMENTS  
TOWN ENGINEER COMMENTS

DATE:  
9/18/16  
10/24/16

#  
1 2 3 4 5 6 7 8 9 10

"Unauthorized Alteration Or  
Addition To Plans Bearing A  
Licensed Engineer's Or  
Architects Seal, Is A Violation  
Of Section 7209 Of The New  
York State Education Law."

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EROSION & SEDIMENT DETAILS  
PFISTER ENERGY OF BALTIMORE, LLC  
CANANDAIGUA WESTBROOK SOLAR ARRAY  
TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK

C4.1

PROJECT NO:  
3076.007