



**PLANNING DEPARTMENT**

Cumberland County

**Cumberland County  
Subdivision and Land Development  
Review Report**

Cumberland County Planning Department  
310 Allen Road, Suite 101  
Carlisle, PA 17013  
Telephone: (717) 240-5362

Municipality:	Date Received:	Date Reviewed:	Reviewed By:	Plan Number:
Middlesex Township	1/5/2026	1/22/2026	SH, EG	P26-5
<i>Plan Title:</i>				
<i>Ahold Delhaize Solar Development</i>				
Plan Status:	<i>Plan Type:</i>			
Preliminary/Final	<i>Land Development Plan</i>			

*Comments and Recommendations:*

1. A warning sign concerning voltage should be placed at the base of all pad-mounted transformers and substations or fence. The plan should indicate the location of the signs. In addition, details regarding these signs should be included on sheet 10 (zoning 14.60.A.7).
2. The applicant should include a section reference on the zoning information table on sheet 5.
  - a. The maximum building height requirement is indicated as 15 feet. This may apply to an accessory solar energy system (zoning 14.59.A.7.a).
  - b. It appears that the setbacks provided are required for an accessory solar energy system (zoning 14.59.A.7.d.2).
3. The proposed coverage is noted as 1%. The plan should address the conditions and requirements established by the Pennsylvania DEP that are necessary to waive stormwater management and impervious coverage requirements for a solar facility.
4. The title of the plan should indicate the site is in Middlesex Township (SLDO 501.A.3).
5. The title of the plan should indicate the plan status (preliminary or final) and the plan type (land development) (SLDO 501.A.3).
6. The parcel boundary should be shown on the location map (SLDO 501.A.6).
7. The city should be provided on the "prepared by" statement on the cover sheet (SLDO 501.A.9.e).
8. The Cumberland County Tax PIN should be included on the cover sheet and on the adjoining properties on sheet 2 (SLDO 501.A.15.g).
9. Based on a discussion with Middlesex Township staff, the plan was reviewed at a conditional use hearing prior to adoption of the new zoning ordinance. The plan will need to comply with the former zoning ordinance (3-89) (SLDO 501.A.21 and 22).
  - a. The zoning information on sheet 5 should indicate the property is in the light industrial (LI) district (SLDO 501.A.21.a).

- b. The plan should include the conditional use hearing date and docket / hearing number (SLDO 501.A.22).
- c. Any conditions of approval should be noted on the plan. The conditions should all be addressed (SLDO 501.A.22).
- d. The plan notes should indicate that the former zoning ordinance (3-89) will apply to the proposed solar facility.

10. The adjacent zoning districts should be shown on the plan (SLDO 501.A.23).
11. The plan should address the presence or absence of wetlands (SLDO 501.A.25.b).
12. The Cumberland County Planning Department signature block should be changed to reference the CCPD file number (SLDO 601.K.4). There is a misspelling on the title of the signature block. It should read planning “commission.”
13. The proposed access drive should be paved (SLDO 703.E.1).
14. The plan should show the required and provided sight distances and a clear sight triangle (SLDO 703.K).
15. Sidewalks and curbing should be provided along Shady Lane. The applicant and the township may want to consider a waiver of these requirements. (SLDO 707 and 708).
16. The survey monuments and markers should be identified and labeled at each property corner (SLDO 709).
17. The plan should address a dedication of recreation land or a fee in lieu of dedication (SLDO 710).
18. A stop sign should be placed at the access drive intersection with Shady Lane (SLDO 715.A.1).
19. The proposed development is in the Letort Spring Run area as designated in the Cumberland County Natural Areas Inventory. The applicant should consider planting native trees to restore the riparian area in the 150' buffer identified on the plan (SLDO 1202.F).
20. Please work with the municipal addressing authority to determine addresses as soon as possible. Providing complete and accurate addressing information to Cumberland County GIS when plans are finalized, but before construction, ensures that they can be added to the Master Street Address Guide (MSAG). An up-to-date MSAG is critical to ensuring that addresses validate in the 9-1-1 system. Other utility providers also depend on the MSAG to validate installations in new developments. If you have any questions regarding addressing or the MSAG, please contact Garrett McKinney, MSAG Coordinator, at (717)240-6418 or [ghmckinney@cumberlandcountypa.gov](mailto:ghmckinney@cumberlandcountypa.gov).
21. Cumberland County strives to create the most accurate public records possible. The following electronic AutoCAD files (.dwg) are **required** by the Planning Department prior to or at the time of recording any plan. Please note that the Planning Department **will not sign the plan for recording** until this information is emailed to [planningreviews@cumberlandcountypa.gov](mailto:planningreviews@cumberlandcountypa.gov). Links to online file downloads are acceptable. Applicants are required to provide the following information:
  - a. **Parcel boundaries**
  - b. **Lot lines**
  - c. **Building footprints**

- d. Road rights-of-ways
- e. Edge of pavement
- f. Declaration of planned communities/condominiums documents (including amendments)



## GENERAL NOTES:

1. FOR OTHER PERTINENT INFORMATION, THE CONTRACTOR SHOULD REFER TO OTHER PLANS WITHIN THE CONSTRUCTION SET. IT IS NOT THE ENGINEER'S INTENTION THAT ANY SINGLE PLAN SHEET IN THIS COLLECTION OF DOCUMENTS ACCURATELY DEPICTS ALL WORK ASSOCIATED WITH THE PROJECT.
2. BEFORE STARTING WORK, THE CONTRACTORS SHALL EXAMINE THE JOB SITE AND THE DRAWINGS AND BE THOROUGHLY FAMILIAR WITH THE ENTIRE CONSTRUCTION, THE FACILITIES, ANY DIFFICULTIES IN THE WORK TO BE COMPLETED, THE ACCURACY OF THE DRAWINGS AND DETAILS, AND QUANTITY OF LABOR AND MATERIALS REQUIRED.
3. CONTRACTORS SHALL NOT SCALE THESE DRAWINGS FOR CONSTRUCTION OR BIDDING PURPOSES. IN THE EVENT OF OMISSIONS OF NECESSARY DIMENSIONS OR INFORMATION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR ENGINEER. FIGURED AND CALCULATED DIMENSIONS TAKE PRIORITY OVER SCALED MEASUREMENTS. DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRIORITY OVER SMALLER SCALED DRAWINGS.
4. ALL PLAN DETAILS AND WALL SECTIONS ARE CONSIDERED "TYPICAL" INDUSTRY DETAILS UNLESS NOTED OTHERWISE AS SITE SPECIFIC.
5. TRAFFIC SHALL BE MAINTAINED ON ALL ADJOINING STREETS AND DRIVES AT ALL TIMES. TRAFFIC CONTROL SHOULD BE MAINTAINED IN ACCORDANCE WITH PENNDOT'S REQUIREMENTS.
6. CONTRACTOR SHALL VERIFY THE LOCATION AND INVERT ELEVATION OF ALL EXISTING UTILITIES WITH PROVIDED CONNECTIONS PRIOR TO CONSTRUCTION AND GRADING OF THE SITE. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DESIGN CONFLICTS.
7. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE ENGINEER. THE CONTRACTOR AND/OR THE OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER AND NECESSARY APPROVALS BY PERMITTING AGENCIES.
8. THE LOCATION OF EXISTING UTILITIES WERE TAKEN FROM RECORDS AND MARKING PROVIDED BY OTHERS AND OBSERVED EVIDENCE. THE LOCATIONS SHOWN MAY BE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS, SIZES AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES.
9. ALL MATERIALS AND WORKMANSHIP INVOLVED IN THIS SITE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION, INCLUDING SUPPLEMENTS, OF THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS PUB. FORM 408, UNLESS OTHERWISE NOTED.
10. A PENNDOT HIGHWAY OCCUPANCY PERMIT, PURSUANT TO SECTION 420 OF THE ACT OF JUNE 1, 1945 (P.L. 1242 NO. 428), KNOWN AS THE "STATE HIGHWAY LAW" IS REQUIRED FOR DRIVEWAY ACCESS TO ANY STATE ROADWAY.
11. A FINAL EROSION AND SEDIMENTATION CONTROL PLAN AND PERMIT PURSUANT TO THE RULES AND REGULATIONS OF THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (TITLE 25, PART 1, SUBPART C, ARTICLE II, CHAPTER 102 OF THE PENNSYLVANIA CODE) IS REQUIRED BEFORE ANY EARTH MOVING ACTIVITIES ON THE PROPOSED LOTS IS ALLOWED.
12. ALL PROPOSED ACCESSIBLE FACILITIES ARE TO BE CONSTRUCTED TO CURRENT ADA REQUIREMENTS AND STANDARDS.
13. ALL PROPOSED ON-SITE LIGHTING SHALL BE DIRECTED INWARD AND DOWNWARD AWAY FROM RESIDENTIAL PROPERTIES AND ALL STREET RIGHT-OF-WAYS.
14. LAND DEVELOPMENT PLAN APPROVAL DOES NOT RELIEVE THE OWNER FROM ALL APPLICABLE SIGN REGULATIONS. ALL PROPOSED ON-SITE SIGNAGE SHALL CONFORM TO THE MUNICIPAL ZONING ORDINANCES.
15. CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES, INCLUDING EARTHWORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNER AND ENGINEER DURING THE BIDDING PROCESS OF ANY QUANTITY DISCREPANCIES IN THE BID DOCUMENTS. ONCE THE CONSTRUCTION CONTRACT IS ISSUED, THE CONTRACTOR ACKNOWLEDGES THE CONTRACT PRICE COVERS ALL LABOR, MATERIALS AND INCIDENTALS TO SUBSTANTIALLY COMPLETE THE PROJECT ACCORDING TO THE CONSTRUCTION PLANS.
16. IT IS THE INTENTION OF THE ENGINEER THAT THE DRAWINGS AND SPECIFICATIONS PROVIDE FOR A COMPLETELY FINISHED PROJECT. ANYTHING NOT SHOWN ON THE DRAWINGS OR DESCRIBED BY THE SPECIFICATIONS OR FAIRLY IMPLIED BY EITHER OR BOTH, SHALL BE CONSTRUED AS PART OF THE PROJECT. SUCH AS NOT SHOWN OR DESCRIBED, THE CONTRACTORS MAY NOT NOTICE DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS, OR BE IN DOUBT AS TO THEIR MEANING, THEY SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. ANY CLARIFICATIONS FROM THE ENGINEER WILL BE WRITTEN AND THE CONTRACTORS SHALL BE RESPONSIBLE AT NO COST TO THE OWNER OR ENGINEER FOR ANY WORK WHICH MUST BE REDONE BECAUSE OF THEIR FAILURE TO COMPLY WITH THE PRECEDING.
17. FURTHER EXPLANATORY DRAWINGS OR DETAILS WILL ALSO BE CONSIDERED PART OF THE PROJECT AND WORK EXECUTED WITHOUT SUCH DETAILS SHALL BE AT THE CONTRACTOR'S RISK.
18. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND MEASUREMENTS. ANY DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL EXISTING CONDITIONS SHALL BE REPORTED TO THE ENGINEER BEFORE PROCEEDING. ANY CHANGES OR CORRECTIONS WILL BE WRITTEN, AND THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY WORK COMPLETED BEFORE RECEIVING SAID CORRECTION.
19. IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWINGS AND SPECIFICATIONS, OR WITHIN EITHER DOCUMENT NOT CLARIFIED BY AN ADDENDUM, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ENGINEER AND THE OWNER'S REPRESENTATIVE'S INTERPRETATION.
20. THESE DRAWINGS SHALL NOT BE USED BY ANY PERSON, FIRM OR CORPORATION WITHOUT SPECIFIC WRITTEN PERMISSION FROM MORRIS KNOWLES & ASSOCIATES, INC. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED OR MANIPULATED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT PERMISSION AND CONSENT OF MORRIS KNOWLES & ASSOCIATES, INC.

## DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION WORK.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITY CONNECTIONS PRIOR TO CONSTRUCTION/DEMOLITION AT THIS SITE. THE CONTRACTOR SHALL ALSO COORDINATE ALL UTILITY CONNECTIONS WITH LOCAL PROVIDERS.
3. ALL EXISTING PAVEMENT, CURB AND SIDEWALK TO BE REMOVED SHALL BE SAW CUT AS SHOWN ON PLANS.
4. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL DRIVES, WALKS, EXISTING PAVEMENT AND CURBING WITHIN THE LIMITS AS SHOWN. ALL DEBRIS IS TO BE HAULED OFF-SITE TO AN APPROVED LANDFILL.
5. THE CONTRACTOR SHALL REPLACE ALL CURB SECTIONS, SIDEWALKS, AND PAVEMENT, WHICH HAS BEEN CUT AND DISTURBED WITHIN THE RIGHT-OF-WAY WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION'S STANDARD MATERIALS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF MIDDLESEX TOWNSHIP AND PENNDOT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC THROUGH THE CONSTRUCTION PERIOD.

## UTILITY NOTES:

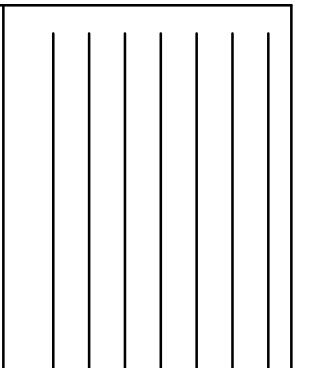
1. ALL EXISTING UTILITIES SERVING THIS PROPERTY SHALL BE PROPERLY TERMINATED AT THE RIGHT-OF-WAY LINE IN COMPLIANCE WITH TOWNSHIP AND COUNTY REGULATIONS. CONTRACTOR SHALL PROVIDE EVIDENCE OF COMPLIANCE WITH ALL STATE AND FEDERAL LAWS REGARDING THE DEMOLITION OF STRUCTURES AND ABANDONMENT OF UTILITIES.
2. ANY UTILITIES FOUND DURING EXCAVATION, NOT SHOWN ON PLAN, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
3. EACH SUBCONTRACTOR SHALL OBTAIN HIS OR HER OWN PERMITS AND CONTACT THE UTILITY COMPANY FOR VERIFICATION AND LOCATION OF HOOK-UP PRIOR TO ANY WORK BEING DONE.
4. UTILITIES SHOWN WERE TAKEN IN PART FROM RECORDS OF RESPECTIVE UTILITY COMPANIES AND PART FROM A SURVEY AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND OR OVERHEAD UTILITIES ADJACENT TO OR UPON THE PREMISES SHOWN ON THE PLAN.
5. THE CONTRACTOR SHALL COORDINATE UTILITY CONNECTIONS TO THE SITE WITH THE ELECTRICAL DRAWINGS AND PROVIDE CONNECTIONS WITH EXISTING UTILITIES IN ACCORDANCE WITH THE UTILITY PROVIDER'S REQUIREMENTS.
6. ALL UTILITIES SHALL BE UNDERGROUND.
7. CONTRACTOR SHALL VERIFY THE LOCATION AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS AND SHUT-OFFS WITH UTILITY PROVIDERS.

## SITE NOTE:

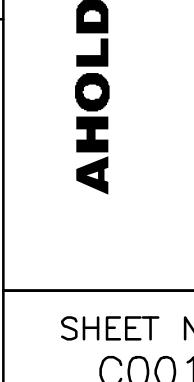
1. THE CONTRACTOR SHALL INSTALL ALL PAVEMENT MARKINGS AS SHOWN ON THE PLANS.
2. MINE OPENINGS ARE NOT ANTICIPATED. IF MINE SPOILS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL EITHER REWORK THE MATERIAL PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS OR REMOVE THE MATERIAL TO A PERMITTED AREA.
3. NO SIGNIFICANT CULTURAL OR SENSITIVE ENVIRONMENTAL FEATURES EXIST WITHIN THE PROJECT BOUNDARY. NO FURTHER ENVIRONMENTAL STUDIES WILL BE NECESSARY.

## GRADING NOTES:

1. THE OWNER IS RESPONSIBLE FOR OBTAINING A GEOTECHNICAL ENGINEERING FIRM TO TEST AND CONFIRM COMPACTION REQUIREMENTS. PLACE FILL IN LIFTS AS DESIGNATED BY THE GEOTECHNICAL ENGINEER AND COMPACT WITH A ROLLING METHOD AS SPECIFIED IN THE GEOTECHNICAL ENGINEER'S REPORT. PROVIDE FOR INSPECTION OF ALL FILL AS IT IS PLACED FOR PROPER DENSITY BY A GEOTECHNICAL TESTING FIRM.
2. ALL CUT AND FILL OPERATIONS SHALL FOLLOW THE "PENNSYLVANIA HANDBOOK OF BEST MANAGEMENT PRACTICES" FOR DEVELOPMENT AREAS.
3. THE CONTRACTOR SHALL CONTROL DUST ON THE SITE IN ACCORDANCE WITH PA DEP REQUIREMENTS.
4. THE CONTRACTOR SHALL NOT REMOVE SOIL FROM THE SITE. IF THE CONTRACTOR DISCOVERS CONTAMINATED SOIL ON THE SITE DURING CONSTRUCTION ACTIVITIES, THEN THE SOIL SHALL BE CLEARED AND DISPOSED OF AT AN APPROVED LANDFILL IN ACCORDANCE WITH PADEP RULES, REGULATIONS AND REQUIREMENTS.
5. THE CONTRACTOR SHALL ADJUST TO GRADE ALL WATER AND GAS VALVES.
6. THIS PLAN REPRESENTS THE PROPOSED FINISH GROUND SURFACE OF THE SITE REPRESENTED BY CONTOURS WITH GRADE ELEVATIONS ONLY. FINAL GRADES MAY CHANGE DURING CONSTRUCTION. THE OWNER/DEVELOPER SHALL CONTACT MORRIS KNOWLES & ASSOCIATES, INC. SHOULD FINAL GRADES REQUIRE MODIFICATIONS TO THE SITE PLANS.
7. THIS PLAN DOES NOT CONSTITUTE A COMPACTION PLAN OR SLOPE STABILITY PLAN. MORRIS KNOWLES & ASSOCIATES, INC. WILL BE HELD HARMLESS FOR ONSITE GEOTECHNICAL OPERATIONS, AND METHODS AND MEANS DURING AND AFTER CONSTRUCTION.
8. GRADING OPERATIONS MUST BE CONDUCTED UNDER THE SUPERVISIONS OF THE GEOTECHNICAL ENGINEER WHO SHALL CERTIFY THAT ALL FILL HAS BEEN PROPERLY PLACED AND SUBMIT A FINAL COMPACTION REPORT FOR ALL STRUCTURAL FILLS.
9. THE GEOTECHNICAL ENGINEERING REQUIREMENTS TAKE PRIORITY OVER SITE DESIGN PLANS. MORRIS KNOWLES & ASSOCIATES, INC. HAS NO AUTHORITY OVER GEOTECHNICAL REQUIREMENTS AND TESTING BEFORE, DURING, AND AFTER CONSTRUCTION.

 <b>AHOLD DELHAIZE SOLAR DEVELOPMENT</b> <i>Prepared for</i> <b>SR PA AH1, LLC</b> <i>Sited in</i> <b>MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA</b>	GENERAL NOTES	Morris Knowles & Associates, Inc. Engineering and Land Surveyors A Homeowner's Company 1740 Golden Mile Hwy, Suite 101 Monroeville, PA 15146 Telephone: (724) 488-4822 info@morrisknowles.com www.morrisknowles.com	DESIGNED BY: C.J.M. DRAWN BY: G.J.V. DATE: DEC 2025 PROJ. NO.: 2011.02
	SCALE:	N/A	SCALE:
	REVISION BY: _____	REVISION BY: _____	REVISION BY: _____
	REVISION BY: _____	REVISION BY: _____	REVISION BY: _____
	REVISION BY: _____	REVISION BY: _____	REVISION BY: _____
	REVISION BY: _____	REVISION BY: _____	REVISION BY: _____
	REVISION BY: _____	REVISION BY: _____	REVISION BY: _____
	REVISION BY: _____	REVISION BY: _____	REVISION BY: _____
	REVISION BY: _____	REVISION BY: _____	REVISION BY: _____
	REVISION BY: _____	REVISION BY: _____	REVISION BY: _____

DNG: PATH: P:\OneDrive\Garrett\2021\2021.02 - Ahold Delhaize\2021.02 - Ahold Delhaize\2021.02 - Ahold Delhaize.dwg  
Last Sheet: 18 of 26



REGISTERED PROFESSIONAL ENGINEER  
Garrett Varner  
Pa. PE#59507  
Pennsylvania  
Last Sheet: 18 of 26

SHEET NO.  
C001



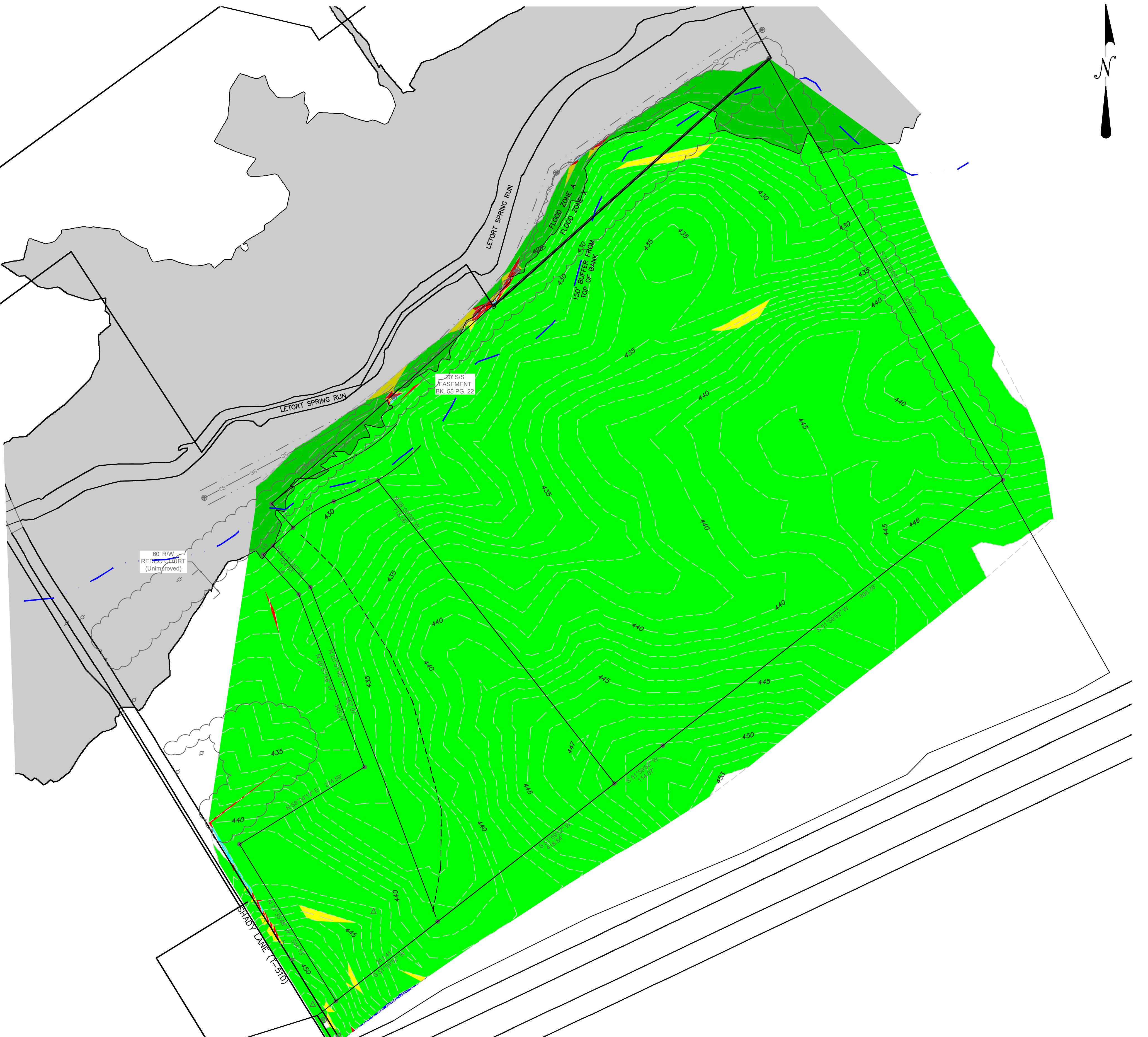
Know what's below

Call before you dig

CALL BEFORE YOU DIG  
IN PENNSYLVANIA  
1-800-242-1776  
DESIGN SN: 20253422860

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE





Slopes Table				
Number	Minimum Slope	Maximum Slope	Area	Color
1	0.00%	10.00%	4658434.68	
2	10.00%	15.00%	152091.16	
3	15.00%	30.00%	84349.16	
4	30.00%	50.00%	14760.23	
5	50.00%	100.00%	643.48	

#### LEGEND



CALL BEFORE YOU DIG  
IN PENNSYLVANIA  
1-800-242-1776  
DESIGN SN: 20253422860

now what's below  
Call before you dig

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

SAN	- SANITARY	— G —	- GAS LINE
ST	- STORM	— W —	- WATER LINE
MH	- MANHOLE	— T —	- SUBSURFACE TELEPHONE LINE
TOP	- TOP OF CASTING	— E —	- SUBSURFACE ELECTRIC LINE
INV	- INVERT / FLOW LINE	— OH —	- OVERHEAD WIRES
WV	- WATER VALVE	— - 908 - -	- EXISTING CONTOURS
GV	- GAS VALVE		- EXISTING INLET
GM	- GAS METER		- EXISTING MANHOLE
EM	- ELECTRIC METER	— - - - -	- EXISTING SEWER
S.R.	- STATE ROUTE	— X — X —	- FENCE
TELE	- TELEPHONE		- 150' SETBACK FROM STREAM B
RCP	- REINFORCED CONCRETE PIPE		
CPP	- CORRUGATED PLASTIC PIPE		

## GRAPHIC SCALE

# EXISTING GRADE HEAT MAP AHOLD DELHAIZE SOLAR DEVELOPMENT

*prepared for*

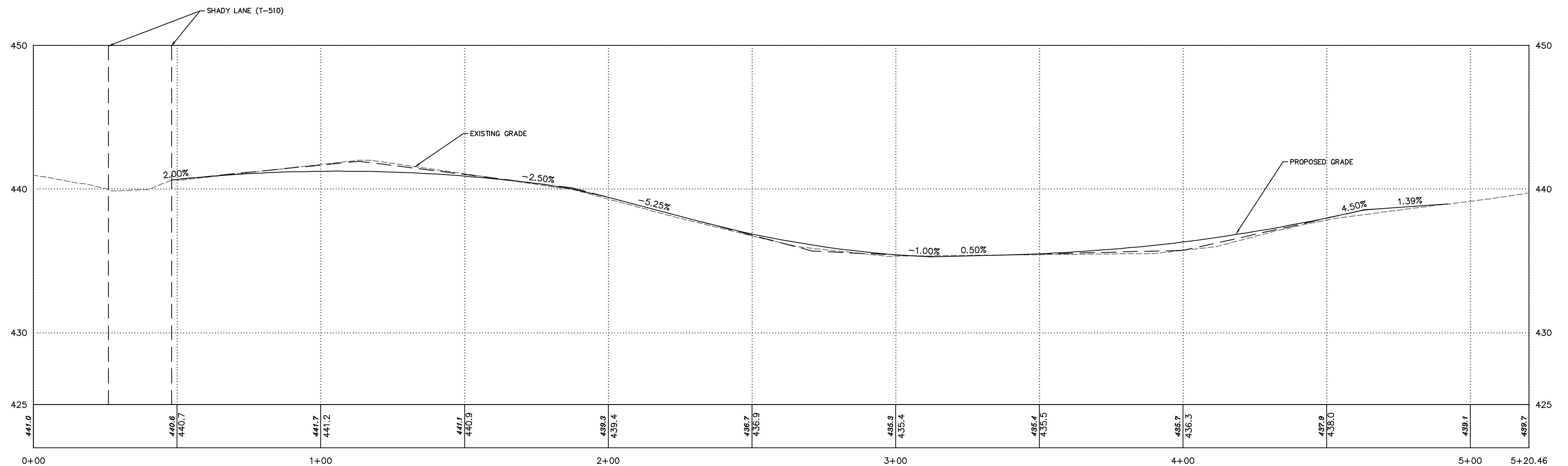
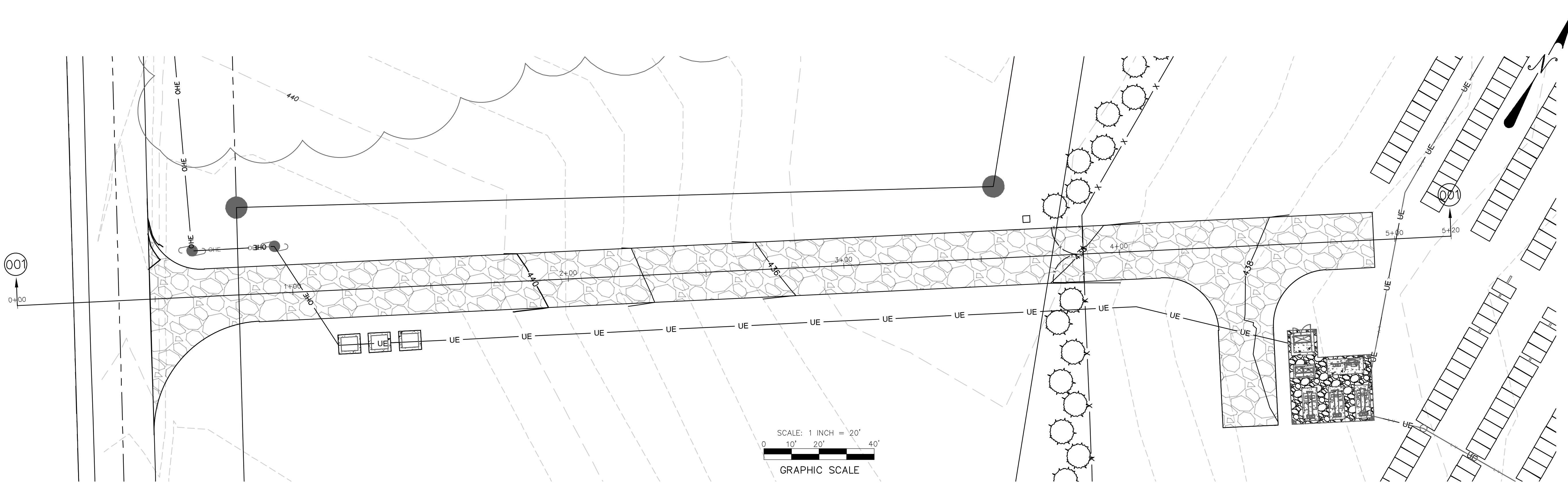
SHEET N  
C10

The seal is circular with a rope-like border. The words "THE COMMONWEALTH OF PENNSYLVANIA" are at the top, "REGISTERED PROFESSIONAL ENGINEER" are in the center, and "PE 005507" is at the bottom. The background features a bridge and a river.

MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY. *situated in*  
— 10.







## Proposed Access Road PROFILE – STA. 0+00 TO STA. 5+20

HORIZ SCALE: 1"=20'

VERT SCALE: 1"=4'

### LEGEND

SAN	- SANITARY	— G —	- GAS LINE
ST	- STORM	— W —	- WATER LINE
MH	- MANHOLE	— T —	- SUBSURFACE TELEPHONE L.
TOP	- TOP OF CASTING	— E —	- SUBSURFACE ELECTRIC LIN.
INV	- INVERT / FLOW LINE	— OH —	- OVERHEAD WIRES
WV	- WATER VALVE	— - 908 — -	- EXISTING CONTOURS
GV	- GAS VALVE		- EXISTING INLET
GM	- GAS METER	O	- EXISTING MANHOLE
EM	- ELECTRIC METER	=====	- EXISTING SEWER
S.R.	- STATE ROUTE	— X — X —	- FENCE
TELE	- TELEPHONE		
RCP	- REINFORCED CONCRETE PIPE		

CALL BEFORE YOU DIG  
IN PENNSYLVANIA  
1-800-242-1776  
DESIGN SN: 20253422860

Know what's below  
Call before you dig

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

**ACCESSION ROAD PROFILE**  
**AHOLD DELHAIZE SOLAR DEVELOPMENT**

*prepared for*  
SR PA AH1, LLC  
*situated in*  
MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY, PA

SHEET NO.  
C300

SHEET NO.  
C300



CALL BEFORE YOU DIG  
IN PENNSYLVANIA  
1-800-242-1776  
DESIGN SN: 20253422860

Know what's below  
Call before you dig

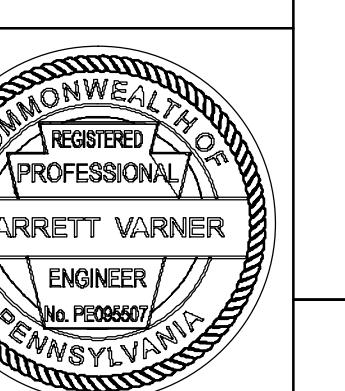
THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE

## **UTILITY PLAN**

**MAXIMIZE SOLAR DEVELOPMENT**  
*prepared for*  
**SR PA AHI, LLC**  
*situated in*  
**CLIMBERLAND COUNTY PENNSYLVANIA**

MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA



SHEET NO.  
C400

MIDDLESEX T

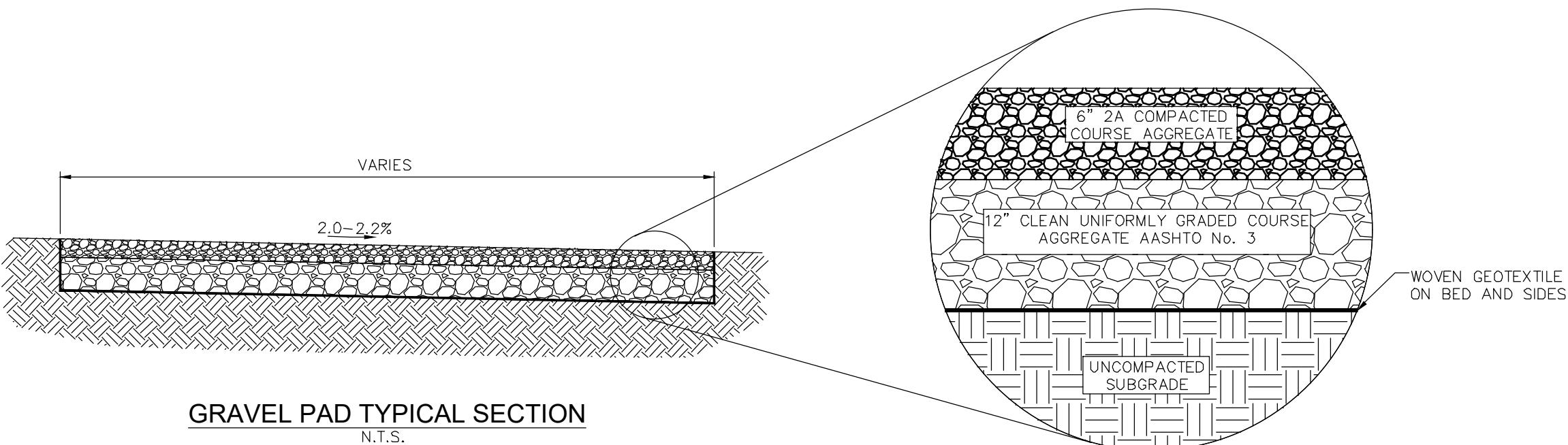
A scale bar diagram showing a horizontal line divided into four equal segments. The first segment is labeled '10'' above it. The second segment is labeled '20'' above it. The third segment is labeled '40'' above it. Above the line, the text 'SCALE: 1 INCH = 20'' is written.

<u>LEGEND</u>	
SAN	- SANITARY
ST	- STORM
MH	- MANHOLE
TOP	- TOP OF CASTING
INV	- INVERT / FLOW LINE
WV	- WATER VALVE
GV	- GAS VALVE
GM	- GAS METER
EM	- ELECTRIC METER
S.R.	- STATE ROUTE
TELE	- TELEPHONE
RCP	- REINFORCED CONCRETE PIPE
CPP	- CORRUGATED PLASTIC PIPE
	— G — - GAS LINE
	— W — - WATER LINE
	— T — - SUBSURFACE TELEPHONE LINE
	— E — - SUBSURFACE ELECTRIC LINE
	— OH — - OVERHEAD WIRES
	— - 908 — - EXISTING CONTOURS
	▨ - EXISTING INLET
	○ - EXISTING MANHOLE
	===== - EXISTING SEWER
	— X — X — - FENCE

LEGEND

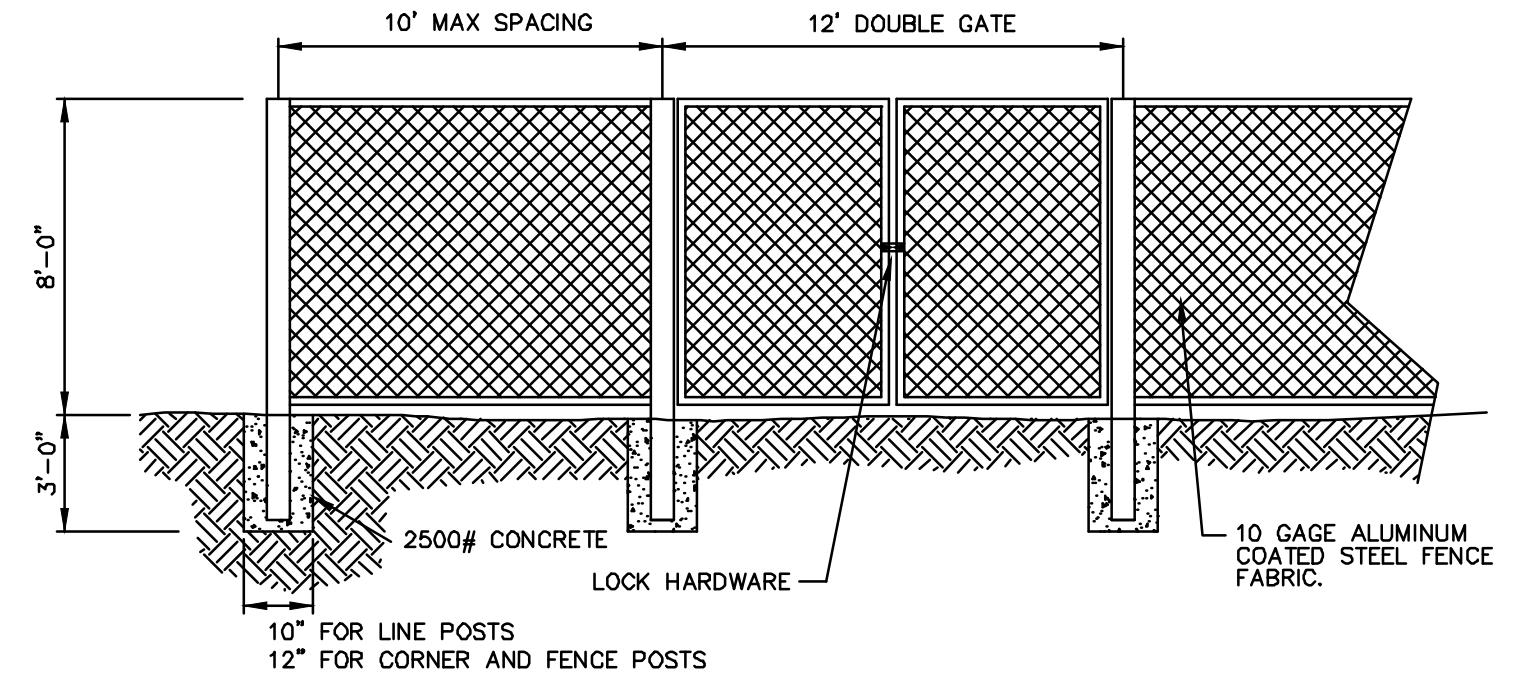
— G — — GAS LINE  
— W — — WATER LINE  
— T — — SUBSURFACE TELEPHONE LINE  
— E — — SUBSURFACE ELECTRIC LINE  
— OH — — OVERHEAD WIRES  
- - 908 - - EXISTING CONTOURS  
 — EXISTING INLET  
 — EXISTING MANHOLE  
= = = = = — EXISTING SEWER  
— X — X — — FENCE





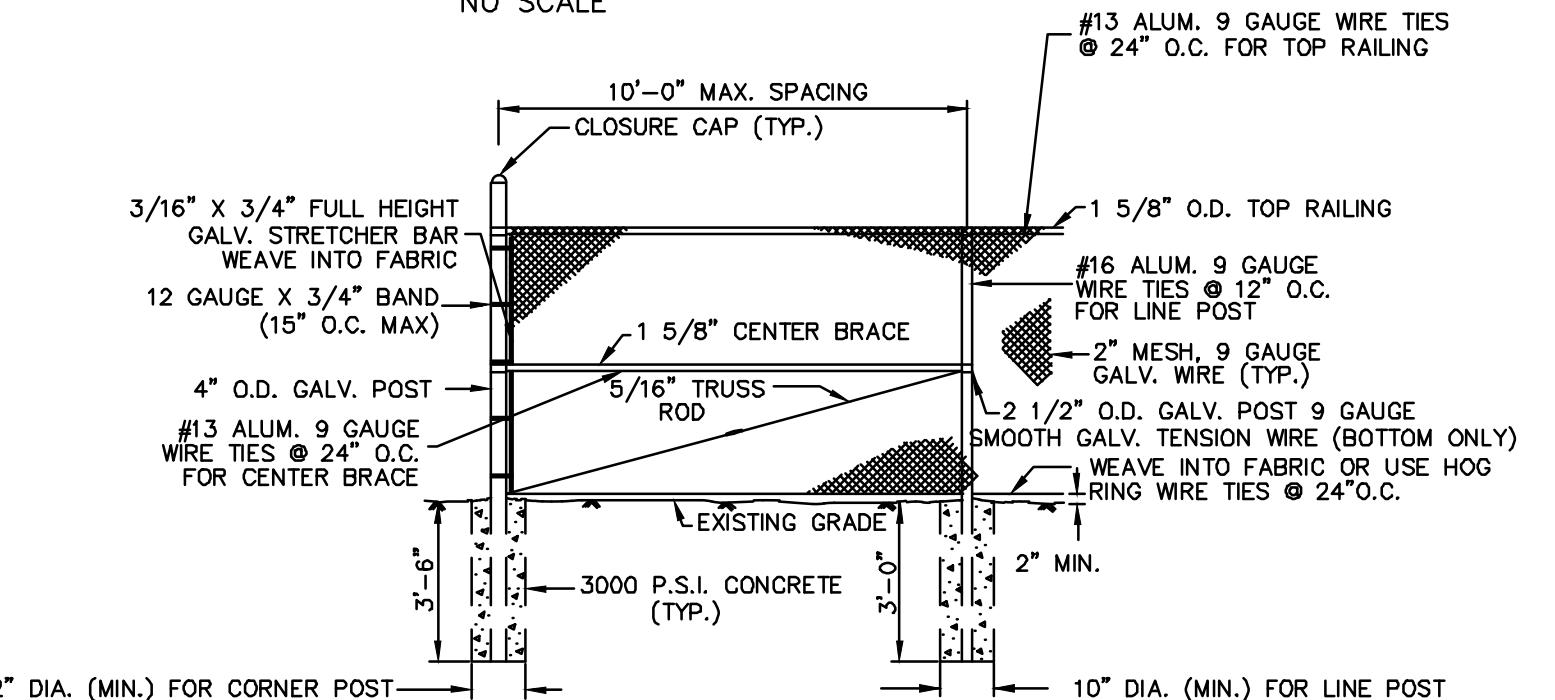
# GRAVEL PAD TYPICAL SECTION

100



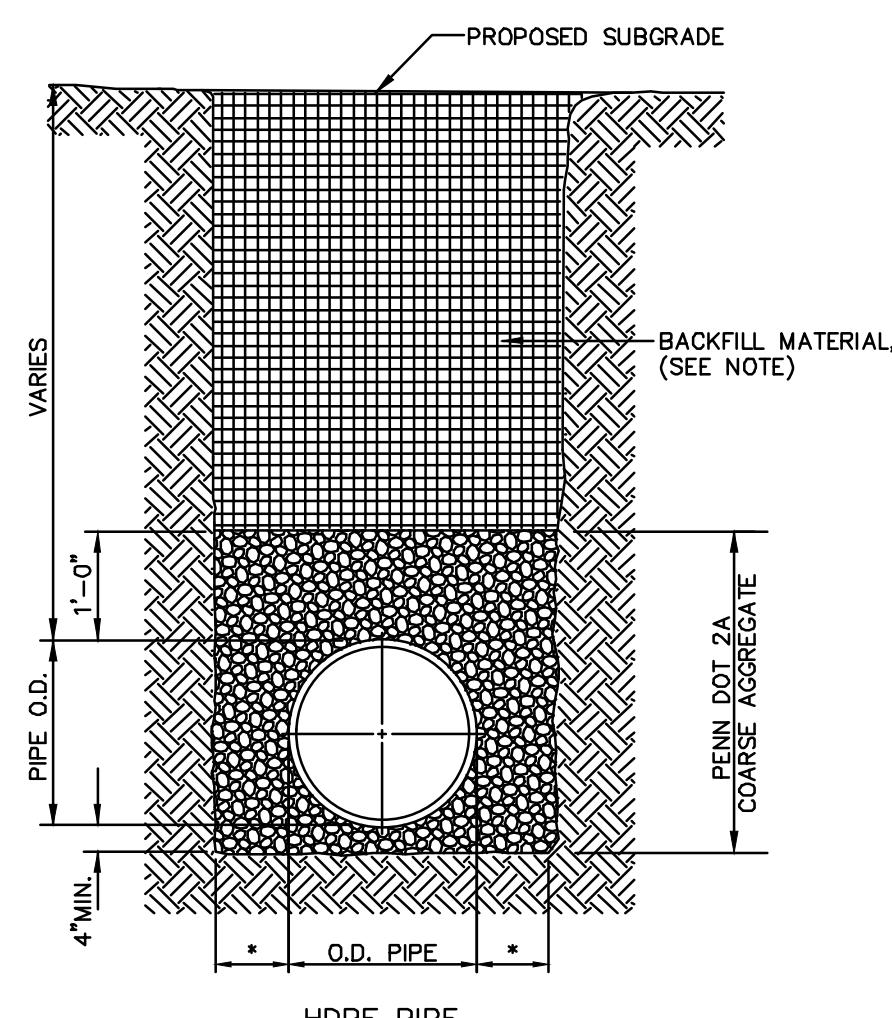
## ENCLOSURE DETAIL

## O SCALE



## CORNER POST DETAIL

## NO SCALE



STORM SEWER STANDARD TRENCHING

TAN  
ANTS

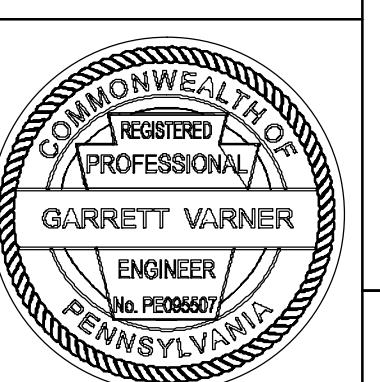
O.D. - OUTSIDE PIPE DIAMETER  
\* 12" IN PENNDOT R.O.W.  
10" MIN. IN ALL OTHER CONDITIONS

N.T.S.

IN ALL OTHER TRENCH AREAS; BACKFILL FROM THE SPRINGLINE TO (1) ONE FOOT ABOVE THE TOP OF PIPE, TO BE SELECTED MATERIAL (SELECTED  
AND 2A LIMESTONE FOR ALL OTHER UTILITIES.

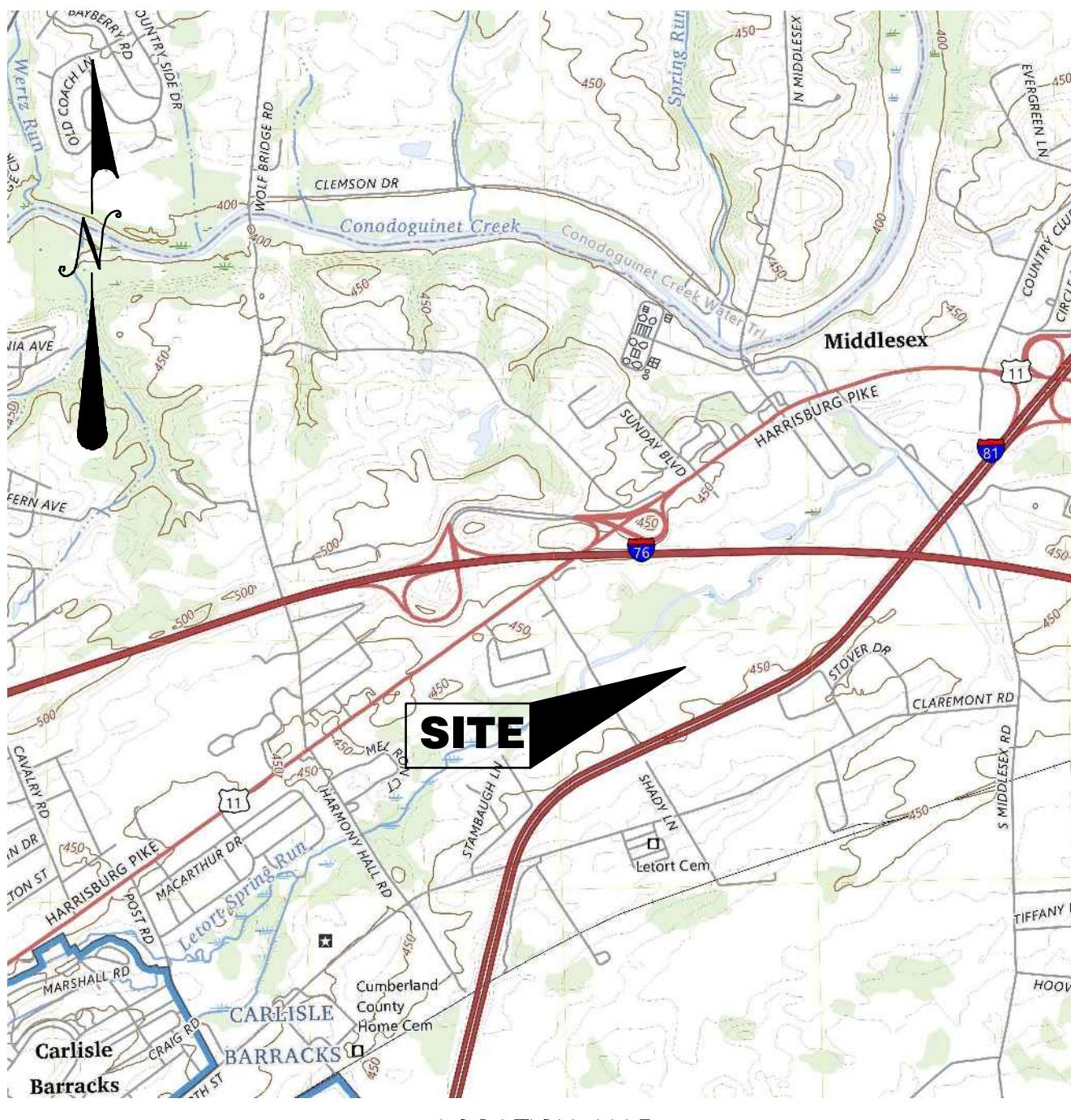
FOOT ABOVE THE TOP OF PIPE, TO BE SELECTED MATERIAL (SELECTED MATERIAL IS FINELY DIVIDED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL AND STONES.), TAMPED IN (4) FOUR INCH LAYERS; THEN THE REMAINING BACKFILL FROM THE TRENCH MAY BE PLACED. IF UNSUITABLE BACKFILL IS DETERMINED TO BE PRESENT BY THE OWNER REPRESENTATIVE, IMPORTED BACKFILL WILL BE REQUIRED.

IN ALL OTHER TRENCH AREAS; BACKFILL FROM THE SPRINGLINE TO (1) ONE FOOT ABOVE THE TOP OF PIPE, TO BE SELECTED MATERIAL (SELECTED MATERIAL IS FINELY DIVIDED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL AND STONES.), TAMPED IN (4) FOUR INCH LAYERS; THEN THE REMAINING BACKFILL FROM THE TRENCH MAY BE PLACED. IF UNSUITABLE BACKFILL IS DETERMINED TO BE PRESENT BY THE OWNER REPRESENTATIVE, IMPORTED BACKFILL WILL BE REQUIRED.



SHEET NO.  
C600

# AHOLD DELHAIZE SOLAR DEVELOPMENT



## CONSTRUCTION SEQUENCE:

THE ENTIRE SITE CANNOT BE CLEARED AND GRUBBED AT ONE TIME, ONLY AREAS FOR WHICH THE SPECIFIED EROSION AND SEDIMENTATION CONTROL HAS BEEN INSTALLED CAN BE CLEARED AND GRUBBED OR DISTURBED.

STAGE 1: INSTALL ROCK CONSTRUCTION ENTRANCE AT SHADY LANE

- A. CLEAR MINIMUM AREA NECESSARY FOR ENTRANCE INSTALLATION.
- B. EXCAVATE FOR, AND FORM ENTRANCE.
- C. IMMEDIATELY STABILIZE ENTRANCE WITH ROCK.

STAGE 2: INSTALL COMPOST FILTER SOCK

- A. INSTALL COMPOST FILTER SOCK PER PLAN ON C701.

STAGE 3: CLEAR SITE

- A. ADVANCED CLEARING AND GRUBBING AS MUCH AS POSSIBLE TO REDUCE THE AMOUNT OF AREA DISTURBED AT ANY ONE TIME. RECYCLING OF MATERIALS SHALL BE DONE WHERE POSSIBLE.
- B. THE ENTIRE SITE CANNOT BE CLEARED AND GRUBBED AT ONE TIME, ONLY AREAS FOR WHICH THE SPECIFIED EROSION AND SEDIMENTATION CONTROL HAS BEEN INSTALLED CAN BE CLEARED AND GRUBBED OR DISTURBED.

STAGE 4: INSTALL SOIL STOCKPILES #1

- A. INSTALL 18" COMPOST FILTER SOCK #1 DOWNSLOPE OF SOIL STOCKPILES.

STAGE 5: EXCAVATION

- A. UPON COMPLETION OF THE SEDIMENT TRAP, TEMPORARY DIVERSION BERMS, ROCK CONSTRUCTION ENTRANCE AND INSTALLATION OF ALL PERIMETER CONTROLS, THE CONTRACTOR SHALL MOVE EXCAVATION ACTIVITIES PASTING AT THE WESTERN SIDE OF THE SITE AND MOVE EAST TOWARD THE SEDIMENT TRAP.
- B. EXCAVATE SITE TO DESIGN GRADE, APPLY TEMPORARY STABILIZATION TO EMBANKMENTS AND FINISH GRADE AREAS IN CUT OR FILL.
- C. PLACE EROSION CONTROL BLANKET AS NOTED ON PLANS AFTER MATERIAL IS PLACED AND EROSION CONTROL PRACTICES ARE IN PLACE.
- D. ALL WATER PUMPED FROM WORK AREAS SHALL BE PROTECTED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGING TO A SURFACE WATER. CONTRACTOR SHALL UTILIZE PUMPED WATER FILTER BAGS FOR THE DETAIL ON PLAN SHEET C703.

- E. AS SOON AS DISTURBED AREA REACHES FINAL GRADE, AREAS MUST BE STABILIZED.
- F. NO MORE THAN 15,000 SQUARE FEET OF DISTURBED AREA SHALL REACH FINAL GRADE BEFORE INITIATING ANY CLEARING AND GRUBBING OPERATIONS.
- G. FILL SLOPES SHALL BE STABILIZED IN 15 FOOT VERTICAL INCREMENTS.

STAGE 6: INSTALL PROPOSED UTILITIES/SOLAR PANELS

- A. INSTALL UTILITIES FROM LOWEST TO HIGHEST ELEVATION AND ADHERE TO UTILITY TRENCH GUIDELINES.
- B. INSTALL PROPOSED SOLAR PANELS FROM LOWEST TO HIGHEST ELEVATION.

STAGE 7: INSTALL LANDSCAPING

- A. INSTALL LANDSCAPING PLANTS AND PRAIRIES.

STAGE 8: SEED AND MULCH

- A. SEED/MULCH ALL DISTURBED AREAS WITH SPECIFIED SEEDING MIXTURE. ALL E & S CONTROL FACILITIES SHALL BE MAINTAINED AND KEPT FUNCTIONAL UNTIL SITE STABILIZATION IS COMPLETE.

STAGE 9: SITE STABILIZATION

- A. WHEN SITE IS STABILIZED WITH UNIFORM 90% PERENNIAL VEGETATIVE COVER OVER PROJECT AREA REMOVE EROSION AND SEDIMENTATION CONTROLS.
- B. DETERMINE SEDIMENT TRAP #1 USING THE PUMP WATERING FILTERING DEVICE.
- C. REMOVE DISTURBED SEDIMENT FROM THE SEDIMENT STORAGE ZONE AND SPREAD IN THE AREA PROTECTED BY SILTY FENCE. SEED DISTURBED AREA FOR PERMANENT SEEDING SPECIFICATIONS.
- D. INSTALL 12" COMPOST FILTER SOCK DOWNSLOPE OF THE SEDIMENT TRAPS, RE-GRADE AREA TO ORIGINAL CONTOURS, SEED AND MULCH DISTURBED AREAS USING THE PERMANENT SEEDING MIXTURE.
- E. WHEN SEDIMENT TRAP AREA IS STABILIZED WITH UNIFORM 90% PERENNIAL VEGETATIVE COVER OVER PROJECT AREA, REMOVE EROSION AND SEDIMENTATION CONTROLS.

## UTILITY TRENCH EXCAVATING GUIDELINES

- A. LIMIT ADVANCE CLEARING AND GRUBBING OPERATIONS TO A DISTANCE EQUAL TO TWO TIMES THE LENGTH OF PIPE INSTALLATION THAT CAN BE COMPLETED IN ONE DAY.
- B. WORK CREWS AND EQUIPMENT FOR TRENCHING, PLACEMENT OF PIPE, PLUG CONSTRUCTION AND BACKFILLING WILL BE SELF CONTAINED AND SEPARATE FROM CLEARING AND GRUBBING AND SITE RESTORATION AND STABILIZATION OPERATIONS.
- C. LIMIT DAILY TRENCH EXCAVATION TO THE LENGTH OF PIPE PLACEMENT, PLUG INSTALLATION AND BACKFILLING THAT CAN BE COMPLETED THE SAME DAY.
- D. TRENCH FLOORS WILL BE SPACED IN ACCORDANCE WITH STANDARD CONSTRUCTION DETAIL #13-4.
- E. WATER WHICH ACCUMULATES IN AN OPEN TRENCH WILL BE COMPLETELY REMOVED BY PUMPING ACCORDING TO LOCAL CONSERVATION DISTRICT REGULATIONS PRIOR TO PIPE PLACEMENT OR BACKFILLING.
- F. ON THE DAY FOLLOWING PIPE PLACEMENT AND TRENCH BACKFILLING, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS AND APPROPRIATE TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL MEASURES/FACILITIES WILL BE INSTALLED. SEEDING AND MULCHING OF ALL DISTURBED AREAS WILL BE DONE IMMEDIATELY.

UTILITY TRENCH EXCAVATING GUIDELINES WILL REMAIN IN EFFECT WITH THE FOLLOWING EXCEPTIONS:

- 1. DAILY BACKFILLING OF THE TRENCH MAY BE DELAYED FOR SIX DAYS.
- 2. IF DAILY BACKFILLING IS DELAYED, THE DISTURBED AREA WILL BE GRADED TO FINAL CONTOURS.

FOR UTILITIES THAT REQUIRE TESTING BEFORE THE TRENCH IS BACKFILLED, ALL OF THE ABOVE ITEMS REQUIRE APPROPRIATE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES OR FACILITIES TO BE INSTALLED AND THE AREAS SEEDED AND MULCHED IMMEDIATELY.

DEVELOPER:  
AHOLD DELHAIZE SR PA AH1, LLC  
SHADY LANE  
CARLISLE, PA 17013  
PHONE NO.: 908-219-1185  
REP.: KAREN JENKINS

## CHAPTER 93 RECEIVING WATER COURSE:

- 1. THE RECEIVING WATER COURSE IS LETORT SPRING RUN WHICH IS DESIGNATED AS A FISHING AND HIGH QUALITY COLD WATER FISHERY, BY THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, CHAPTER 93.

## ENGINEER'S ROLE NOTES:

- 1. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY CHANGES IN DESIGN PLANS UNLESS WRITTEN CONSENT IS GIVEN BY THE OWNER. CONTRACTOR AND/OR OWNER WILL BE HELD RESPONSIBLE FOR ANY FIELD MODIFICATIONS MADE WITHOUT WRITTEN CONSENT OF THE ENGINEER. ALL UTILITIES SHOWN ON PLANS ARE IN APPROXIMATE LOCATIONS BASED ON PA. ONE-CALL FLAGGING, OR AVAILABLE UTILITY MAPS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE EXACT LOCATIONS AND DEPTH OF ALL UTILITIES PRIOR TO ANY CONSTRUCTION.
- 2. ENGINEER WILL NOT SUPERVISE, DIRECT, CONTROL OR HAVE AUTHORITY OVER OR BE RESPONSIBLE FOR CONTRACTOR'S MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OF CONSTRUCTION, OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENT THERETO, OR FOR ANY FAILURE OF CONTRACTOR TO COMPLY WITH LAWS AND REGULATIONS APPLICABLE TO THE PERFORMANCE OF THE WORK. ENGINEER WILL NOT BE RESPONSIBLE FOR CONTRACTOR'S FAILURE TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 3. ENGINEER WILL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF CONTRACTOR OR OF ANY SUBCONTRACTOR, ANY SUPPLIER, OR OF ANY OTHER INDIVIDUAL OR ENTITY PERFORMING ANY OF THE WORK.

## EROSION AND SEDIMENTATION CONTROL PLAN SHADY LANE, MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA DECEMBER, 2025

### EROSION AND SEDIMENTATION CONTROL PLAN NOTES:

- 1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN AND E&S BMPS APPROVED BY THE REVIEWING AGENCY. THE APPROVED E&S PLAN AND DATE APPROVED BY THE REVIEWING AGENCY MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- 2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARED, THE PCSM PLAN PREPARED, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- 3. FOR E&S ACTIVITIES, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- 4. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- 5. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- 6. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING SHALL NOT OCCUR IN ANY PHASE OF THE PROJECT UNLESS E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
- 7. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND MAINTAINED AS CLEARED AND GRADED AREAS.
- 8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAP(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLEEVES SHALL BE TIGHTLY OR LATENTLY SECURED.
- 9. EROSION CONTROL DISCOVERED DURING CONSTRUCTION PRACTICES THAT HAVE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OWNER AND/OR OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- 10. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS (45 PA. CODE 2601.1 ET SEQ., 271.1 ET SEQ., 272.1 ET SEQ., 273.1 ET SEQ.) NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- 11. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED AND MAINTAINED AS A BORROW AREA. ALL BORROW AREAS MUST BE MAINTAINED AS CLEAN FILL. FORM FF-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- 12. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THE PUMPING AND DRAINING AREAS.
- 13. VEHICLES AND EQUIPMENT MAY ENTER DIRECTLY ONTO SHADY LANE.
- 14. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGROUTING, RELEVELING, REGRADING AND RETAINING MUST BE PERFORMED IMMEDIATELY. THE E&S PLAN FAILS TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- 15. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATES THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION. INSPECTIONS SHALL BE LOGGED ON THE MOST CURRENT DEP FORM 3800-TM-BOW/2071D AND KEPT ON SITE AT ALL TIMES.
- 16. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN THE EVENT OF A SPILL, IMMEDIATELY WASHED, SHOVED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- 17. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- 18. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES. THE SCARIFIED SOIL AREAS PRIOR TO PLACEMENT OF TOPSOIL AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM 2 INCHES OF TOPSOIL.
- 19. ALL FILLS SHALL BE COMPAKTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBLIMATION OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPAKTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CONTRACT DOCUMENTS.
- 20. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- 21. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- 22. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF THE PROJECT.
- 23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- 24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- 25. SEEPAGE SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD SEEPAGE CONTROL PLAN OR OTHER APPROVED METHOD.
- 26. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- 27. THE CONTRACTOR SHALL STABILIZE DISTURBED AREAS DURING CONSTRUCTION OF A PROJECT. THE OPERATOR SHALL STABILIZE DISTURBED AREAS DURING NON-GERMINATING MONTHS. MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- 28. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION, CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.

OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION, CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.

E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED. THE APPROVED E&S PLAN AND E&S BMPS APPROVED BY THE REVIEWING AGENCY SHALL BE MAINTAINED AS A RECORD OF THE E&S ACTIVITIES.

FOR COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL CONVERSION OF THE E&S BMPS.

AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT SYSTEMS. THE CONTRACTOR SHALL MAINTAIN THE E&S BMPS UNTIL THE E&S BMPS SHALL BE STABILIZED IMMEDIATELY IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

3. FOR E&S ACTIVITIES, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

4. THE CONTRACTOR SHALL MAINTAIN THE E&S BMPS UNTIL THE E&S BMPS SHALL BE STABILIZED IMMEDIATELY IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

5. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

6. THE CONTRACTOR SHALL MAINTAIN THE E&S BMPS UNTIL THE E&S BMPS SHALL BE STABILIZED IMMEDIATELY IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

7. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

8. THE CONTRACTOR SHALL MAINTAIN THE E&S BMPS UNTIL THE E&S BMPS SHALL BE STABILIZED IMMEDIATELY IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

9. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

10. THE CONTRACTOR SHALL MAINTAIN THE E&S BMPS UNTIL THE E&S BMPS SHALL BE STABILIZED IMMEDIATELY IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

11. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

12. THE CONTRACTOR SHALL MAINTAIN THE E&S BMPS UNTIL THE E&S BMPS SHALL BE STABILIZED IMMEDIATELY IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

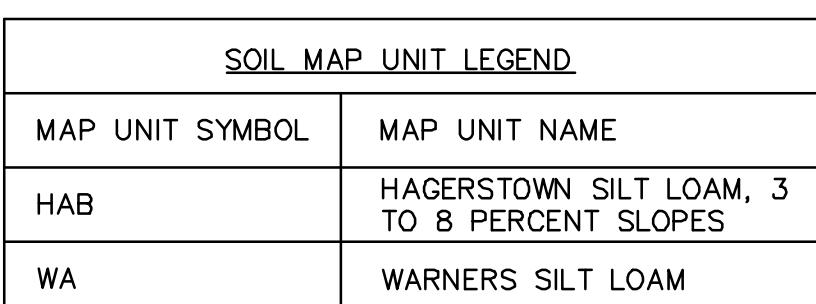
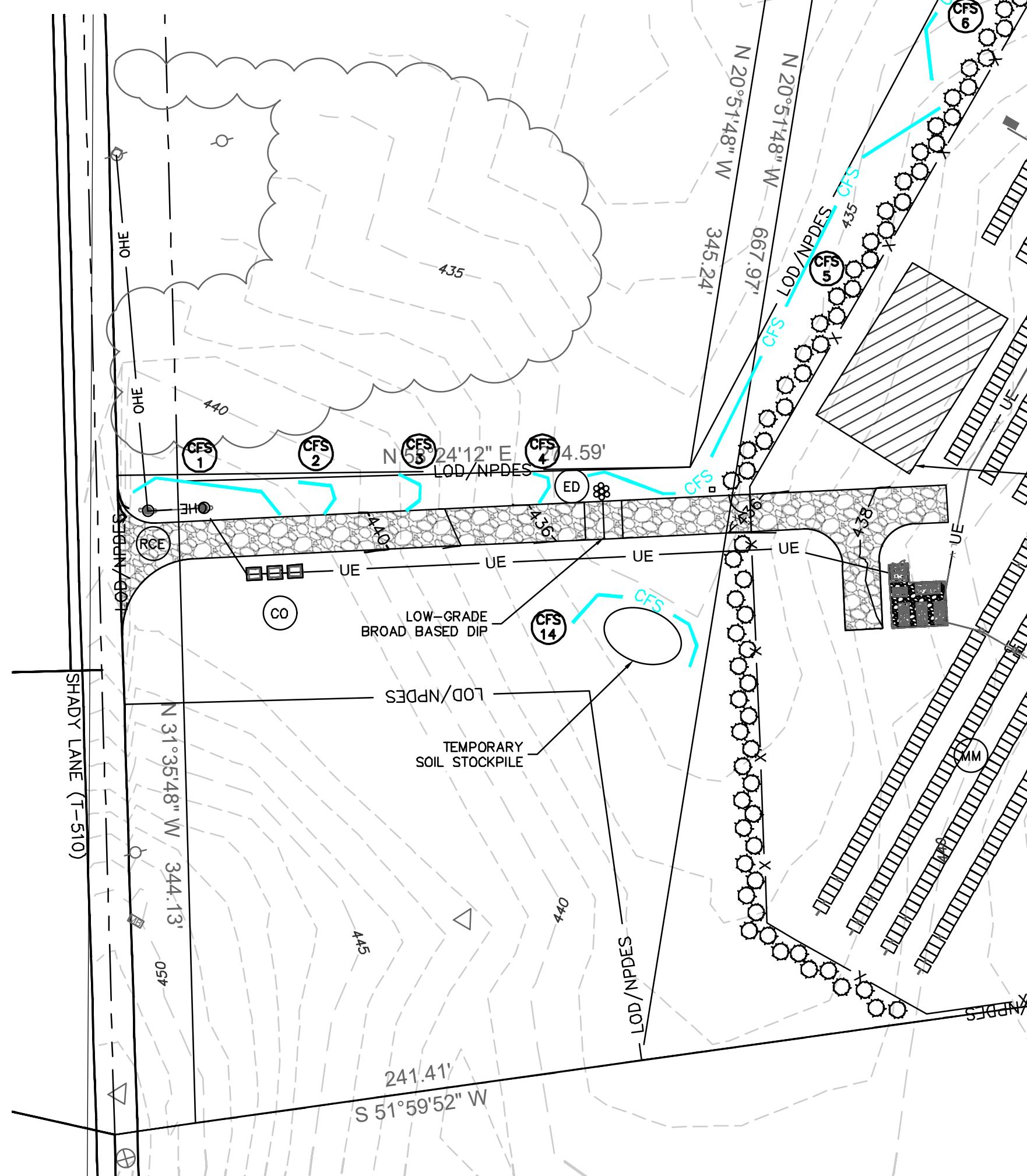
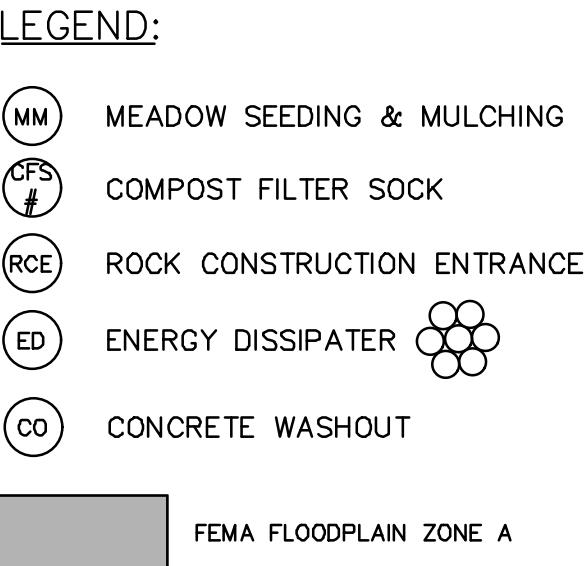
13. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

14. THE CONTRACTOR SHALL MAINTAIN THE E&S BMPS UNTIL THE E&S BMPS SHALL BE STABILIZED IMMEDIATELY IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

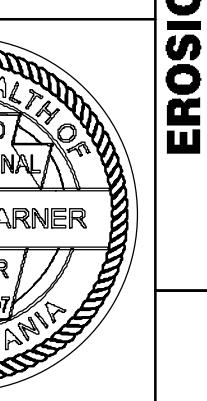
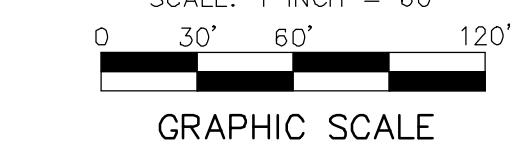
15. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.

16. THE CONTRACTOR SHALL MAINTAIN THE E&S BMPS UNTIL THE E&S BMPS SHALL BE STABILIZED IMMEDIATELY IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

Barrier Number	Diameter (in)	Location	Slope Percent	Slope Length Above Barrier (ft)
CFS 1	12	See Sheet C701	2.9	342
CFS 2	12	See Sheet C701	3.3	302
CFS 3	12	See Sheet C701	5.0	60
CFS 4	18	See Sheet C701	3.8	344
CFS 5	24	See Sheet C701	2.3	732
CFS 6	24	See Sheet C701	2.6	568
CFS 7	18	See Sheet C701	2.9	516
CFS 8	32	See Sheet C701	1.5	1109
CFS 9	18	See Sheet C701	2.1	577
CFS 10	18	See Sheet C701	2.2	500
CFS 11	18	See Sheet C701	2.9	483
CFS 12	24	See Sheet C701	3.7	403
CFS 13	12	See Sheet C701	1.4	291
CFS 14	24	See Sheet C701	3.9	355

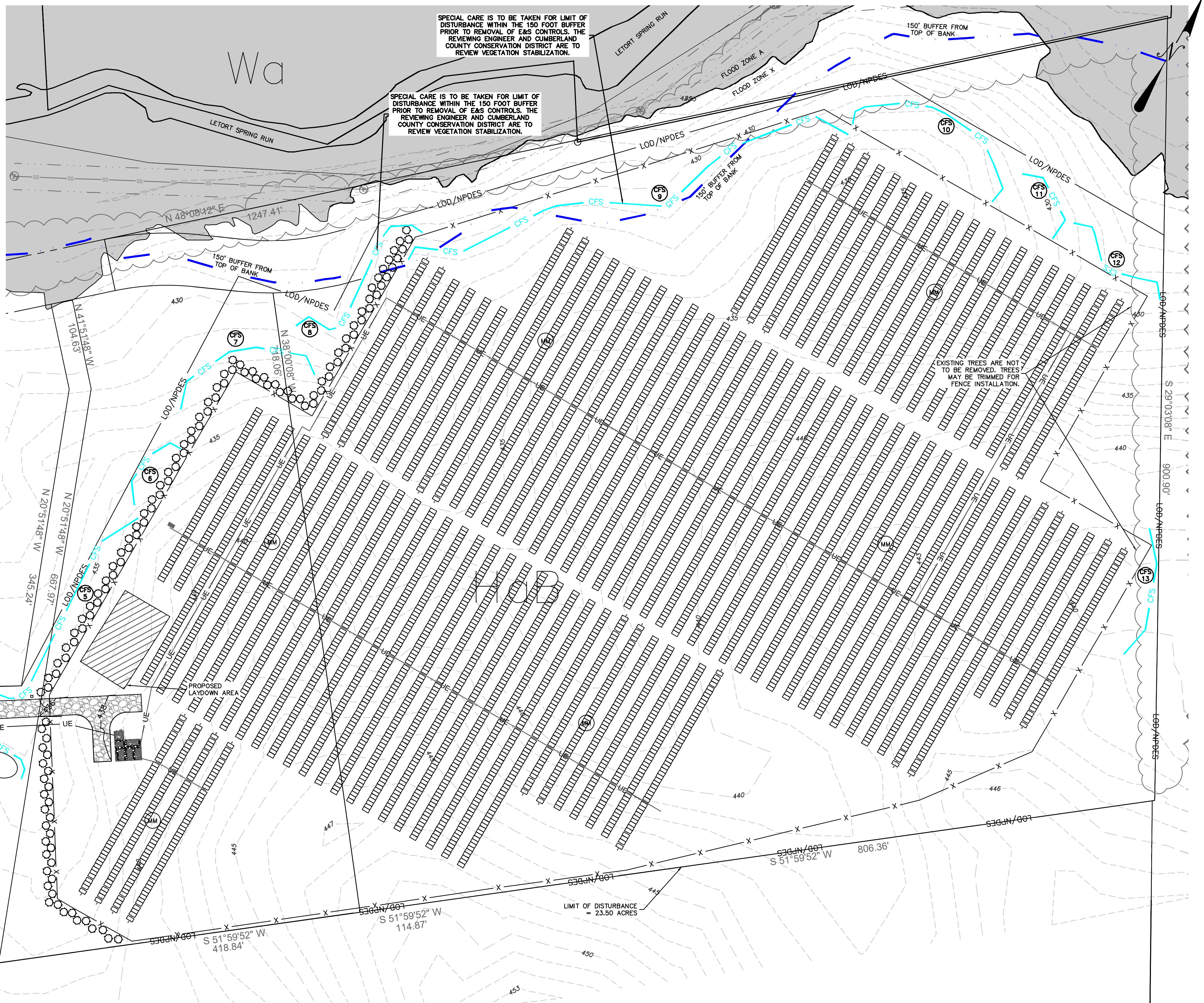


<u>LEGEND</u>	
SAN	— SANITARY
ST	— STORM
MH	— MANHOLE
TOP	— TOP OF CASTING
INV	— INVERT / FLOW LINE
WV	— WATER VALVE
GV	— GAS VALVE
GM	— GAS METER
EM	— ELECTRIC METER
S.R.	— STATE ROUTE
TELE	— TELEPHONE
RCP	— REINFORCED CONCRETE PIPE
CPP	— CORRUGATED PLASTIC PIPE
— G —	— GAS LINE
— W —	— WATER LINE
— T —	— SUBSURFACE TELEPHONE LINE
— E —	— SUBSURFACE ELECTRIC LINE
— OH —	— OVERHEAD WIRES
— — 908 — —	— EXISTING CONTOURS
	— EXISTING INLET
	— EXISTING MANHOLE
=====	— EXISTING SEWER
— X — X —	— FENCE
	— 150' BUFFER FROM TOP OF BANK
	— COMPOST FILTER SOCK



**EROSION AND SEDIMENTATION CONTROL PLAN  
HOLD DELHAIZE SOLAR DEVELOPMENT**

SR PA AH1, LLC  
*situated in*  
MINDI ESEY TOWNSHIP CLIMBERI AND COUNTY  
NO. 01



CALL BEFORE YOU DIG  
IN PENNSYLVANIA  
1-800-242-1776  
DESIGN SN: 20253422860

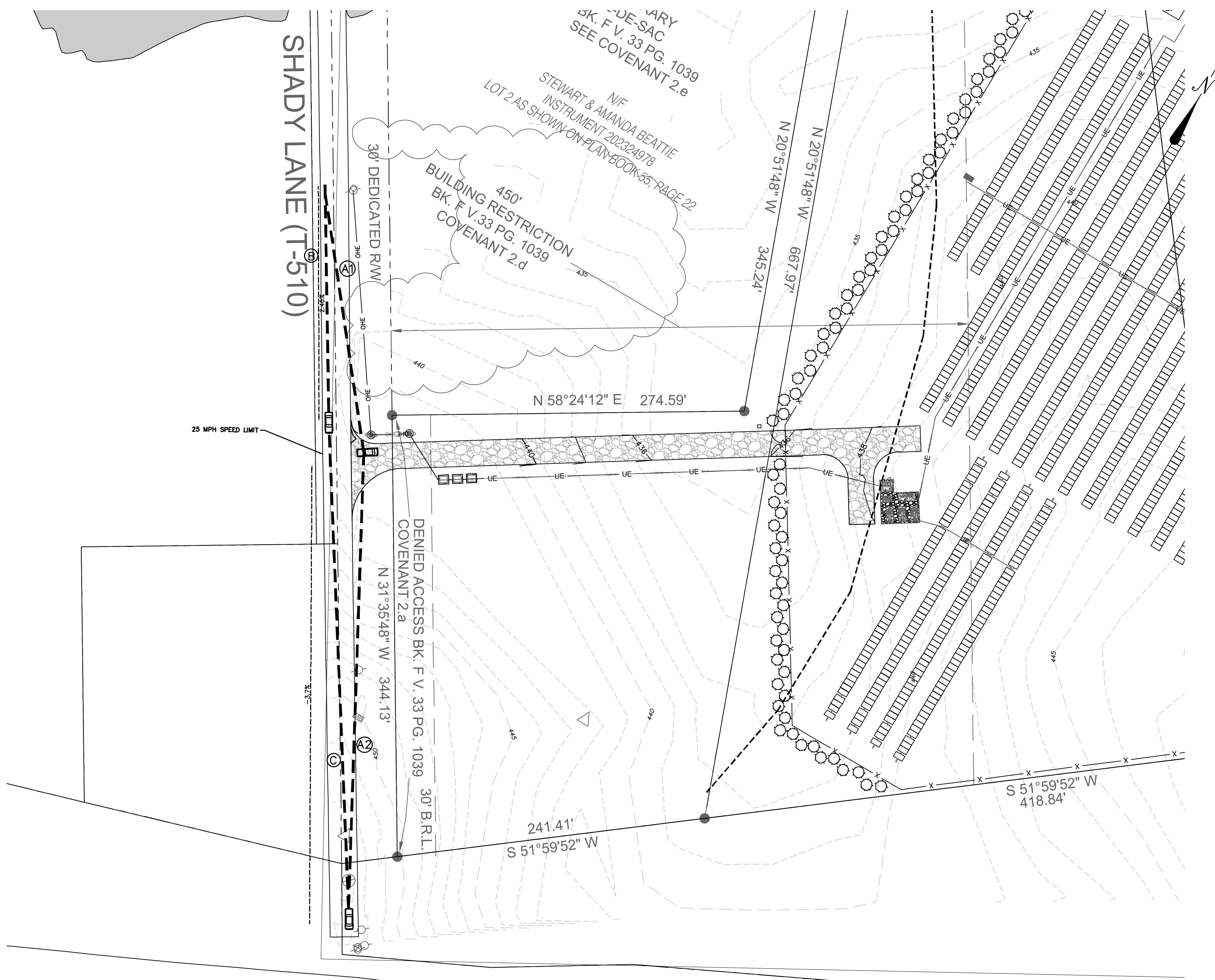
Know what's below  
Call before you dig

THE GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED IN THE SITE NO MORE THAN TEN DAYS AND NO LESS THAN THREE DAYS IN ADVANCE OF EXCAVATION (PA ACT 287 OF 1974 AMENDED BY ACT 50 OF 2017). PA STATE LAW REQUIRES 3 WORKING DAYS NOTICE









CALL BEFORE YOU DIG  
IN PENNSYLVANIA  
1-800-242-1776  
DESIGN SN: 20253422860

Know what's below  
Call before you dig

# SHADY LANE (T-510)

# SIGHT DISTANCE PLAN

# NET DISTANCE PLAN TO MAXIMIZE SOLAR DEVELOPMENT

prepared for  
SR PA AH1, LLC  
situated in  
CLIMBERBEE TOWNSHIP  
ESEXY TOWNSHIP BERNNTSKY VANNIA

# STRATEGIC DISTANCE PLAN TO MAXIMIZE SOLAR DEVELOPMENT

SR PA AH1, LLC  
*prepared for  
situated in*  
CLIMBERI AND COUNTY  
DI ESEY TOWNSHIP  
BENNINGTON ^

112

MANHOLD D

NEW JERSEY TOWNS

# SIGHT DISTANCE PLAN

## SHADY LANE (T-510)

SCALE: 1 INCH = 40'



0 20' 40' 80'

GRAPHIC SCALE

DRIVEWAY SIGHT DISTANCE SCHEDULE		
	REQUIRED SIGHT DISTANCE	AVAILABLE SIGHT DISTANCE
A1	143'	205'
A2	153'	356'
B	143'	174'
C	153'	369'

#### LEGEND

<u>LEGEND</u>	
SAN	- SANITARY
ST	- STORM
MH	- MANHOLE
TOP	- TOP OF CASTING
INV	- INVERT / FLOW LINE
WV	- WATER VALVE
GV	- GAS VALVE
GM	- GAS METER
EM	- ELECTRIC METER
S.R.	- STATE ROUTE
TELE	- TELEPHONE
RCP	- REINFORCED CONCRETE PIPE
CPP	- CORRUGATED PLASTIC PIPE
	— G — - GAS LINE
	— W — - WATER LINE
	— T — - SUBSURFACE TELEPHONE LINE
	— E — - SUBSURFACE ELECTRIC LINE
	— OH — - OVERHEAD WIRES
	— - 908 - - EXISTING CONTOURS
	 - EXISTING INLET
	 - EXISTING MANHOLE
	===== - EXISTING SEWER
	— X — X — - FENCE