SITE DEVELOPMENT PLAN SOLAR ENERGY ARRAY BOUTILIER ROAD IN LEICESTER, MASSACHUSETTS SEPTEMBER 10, 2018 REVISIONS THROUGH NOVEMBER 9, 2018



ZPT ENERGY SOLUTIONS II, LLC BRENDON GOVE 6 PARK AVENUE WORCESTER, MASSACHUSETTS 01605 TEL: (774) 314-2549

OWNER

NICHOLAS A. CASELLO 21 BOUTILIER ROAD LEICESTER, MASSACHUSETTS 01524

CIVIL ENGINEER & LAND SURVEYOR:

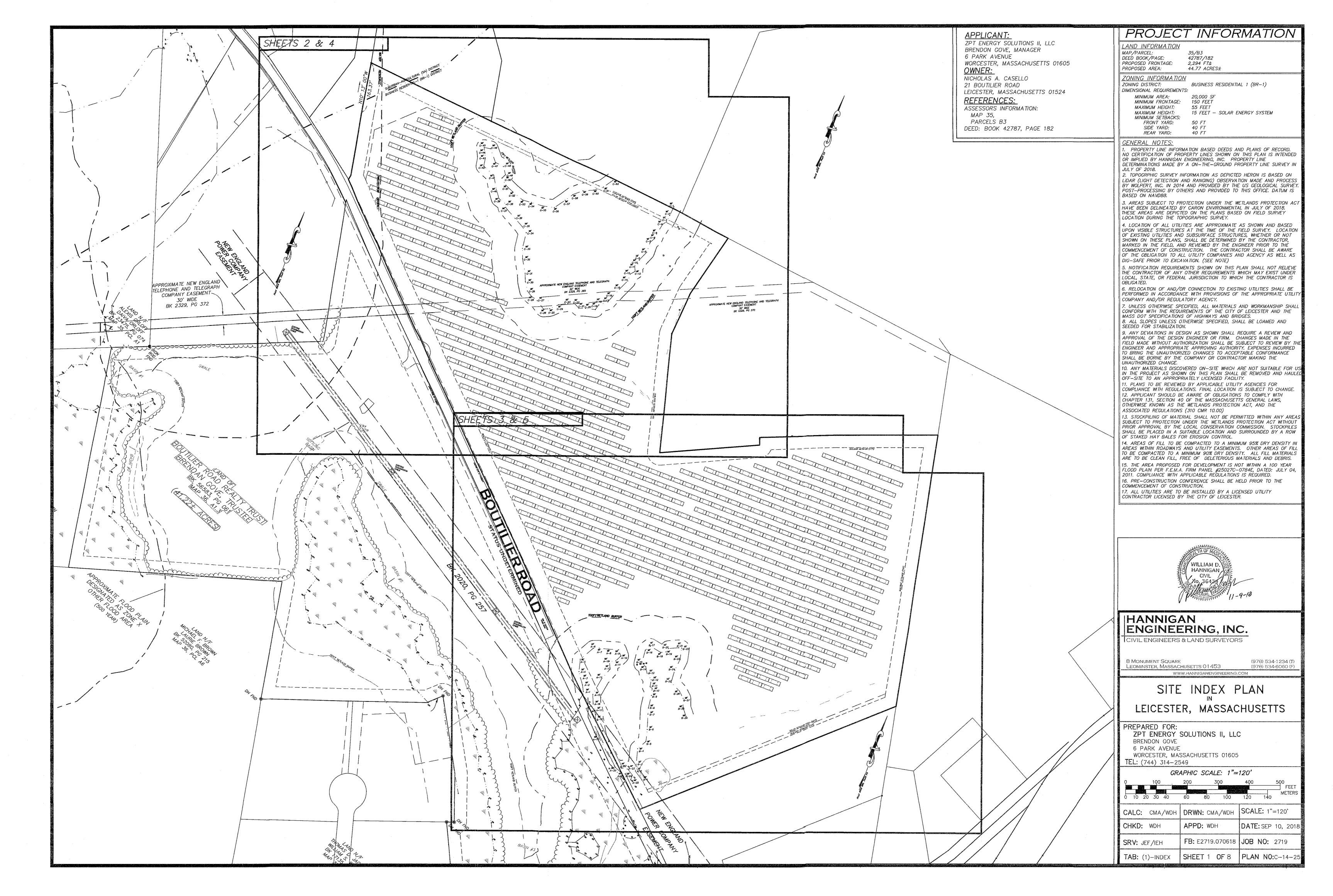
HANNIGAN ENGINEERING, INC. 8 MONUMENT SQUARE LEOMINSTER, MASSACHUSETTS 01453 TEL: (978) 534-1234

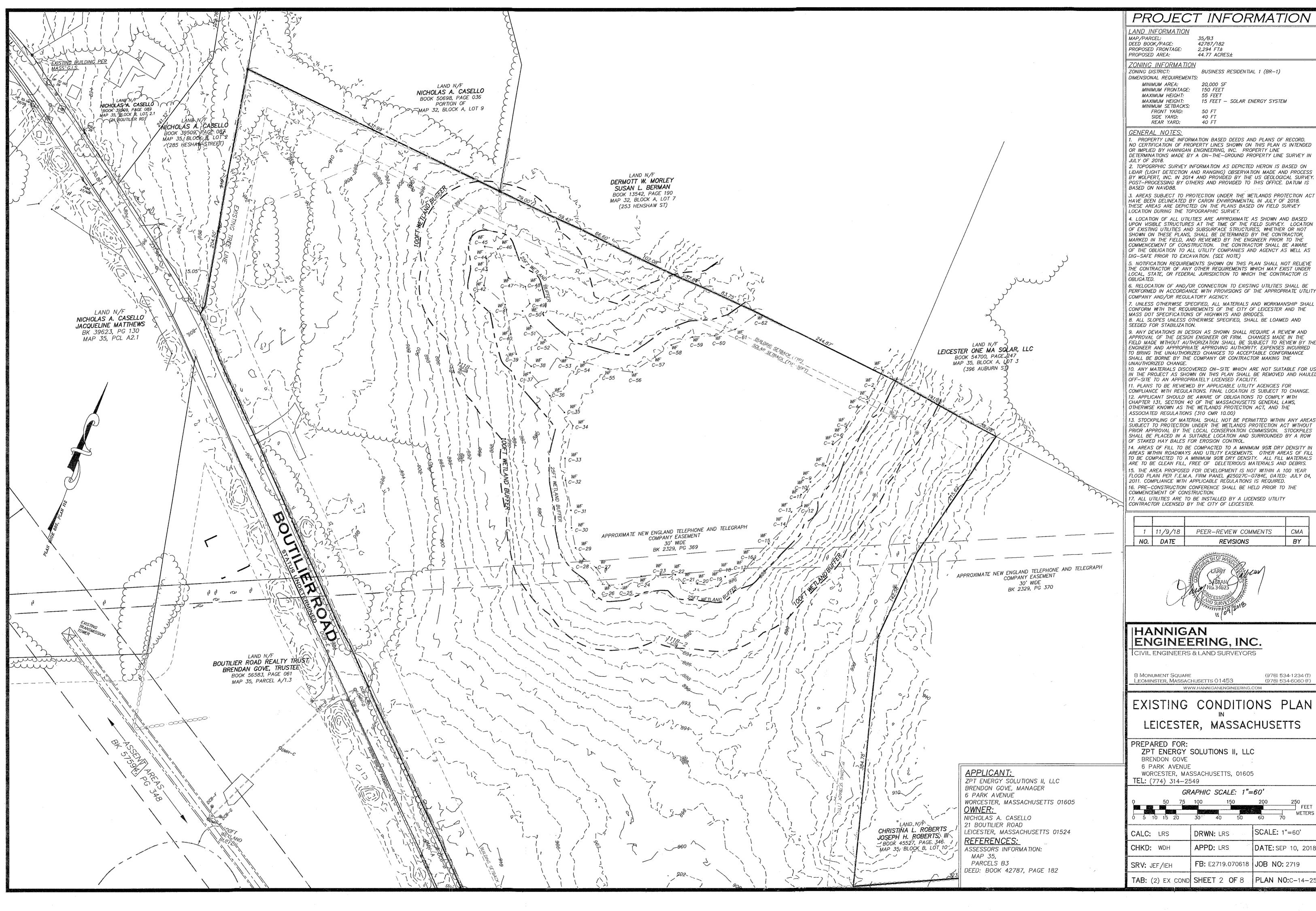
WICINITY MAP SCALE: 1" = 1000'

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PERMITTINGSET



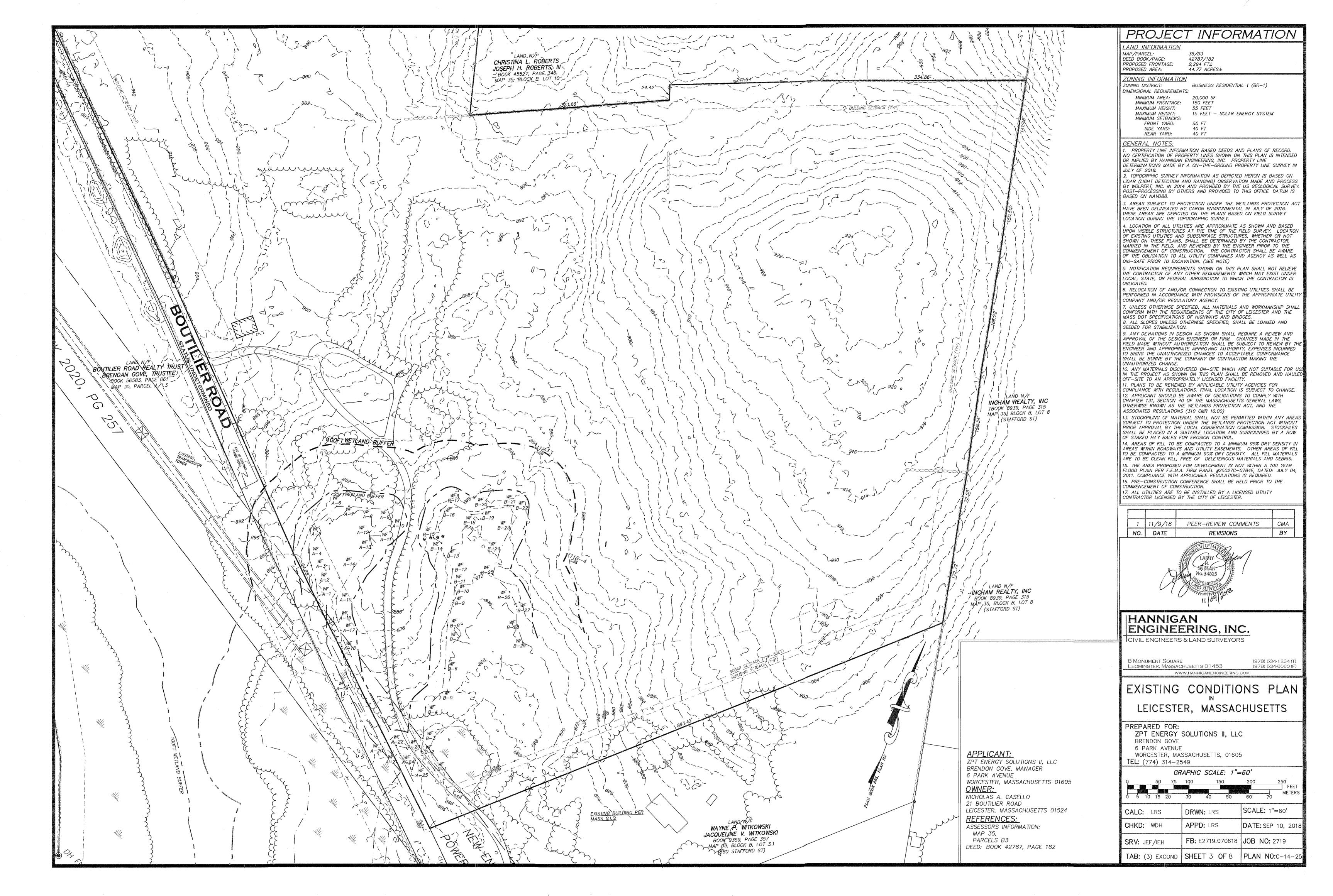


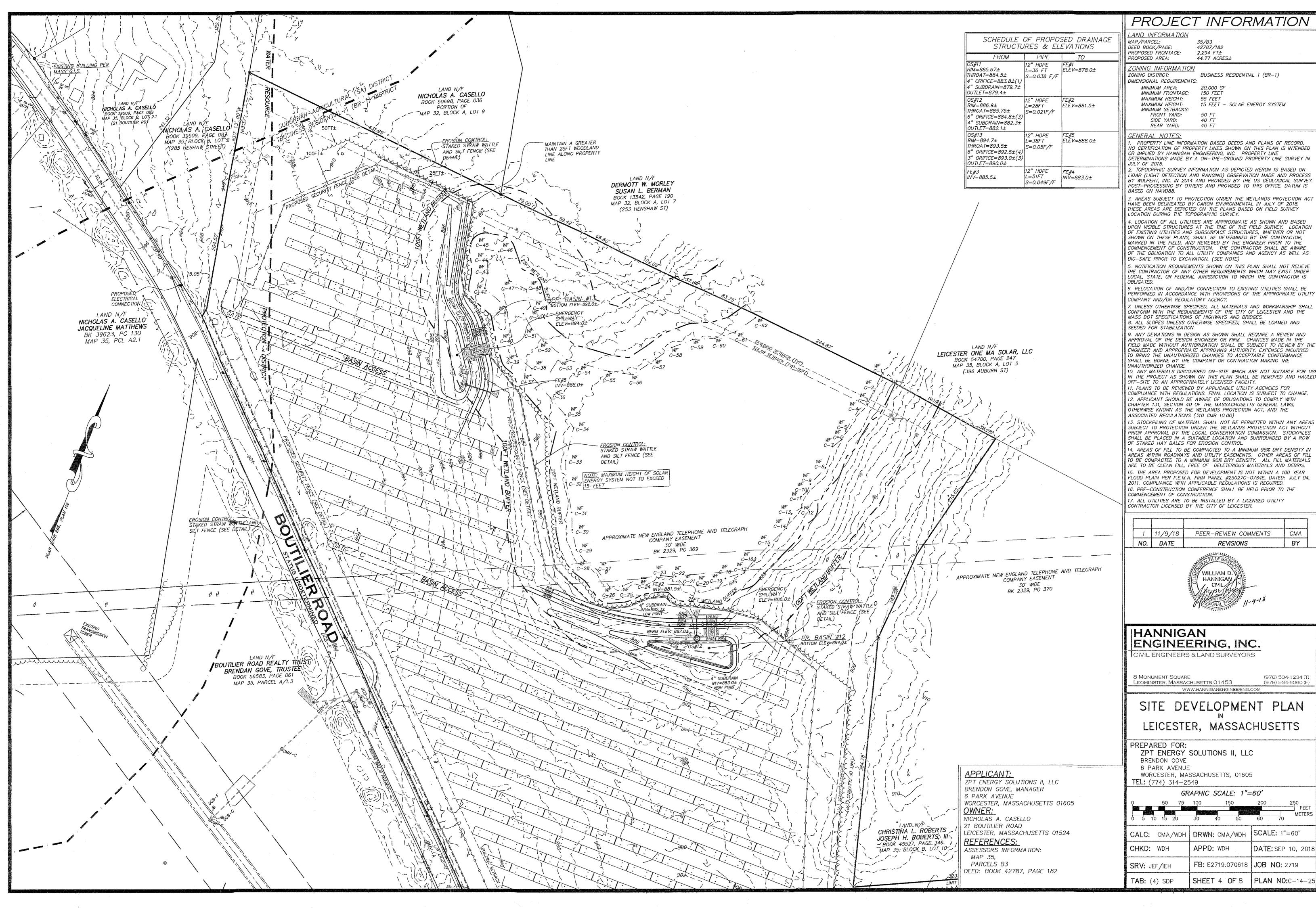
LIDAR (LIGHT DETECTION AND RANGING) OBSERVATION MADE AND PROCESS BY WOLPERT, INC. IN 2014 AND PROVIDED BY THE US GEOLOGICAL SURVEY. POST-PROCESSING BY OTHERS AND PROVIDED TO THIS OFFICE. DATUM IS

PERFORMED IN ACCORDANCE WITH PROVISIONS OF THE APPROPRIATE UTILITY

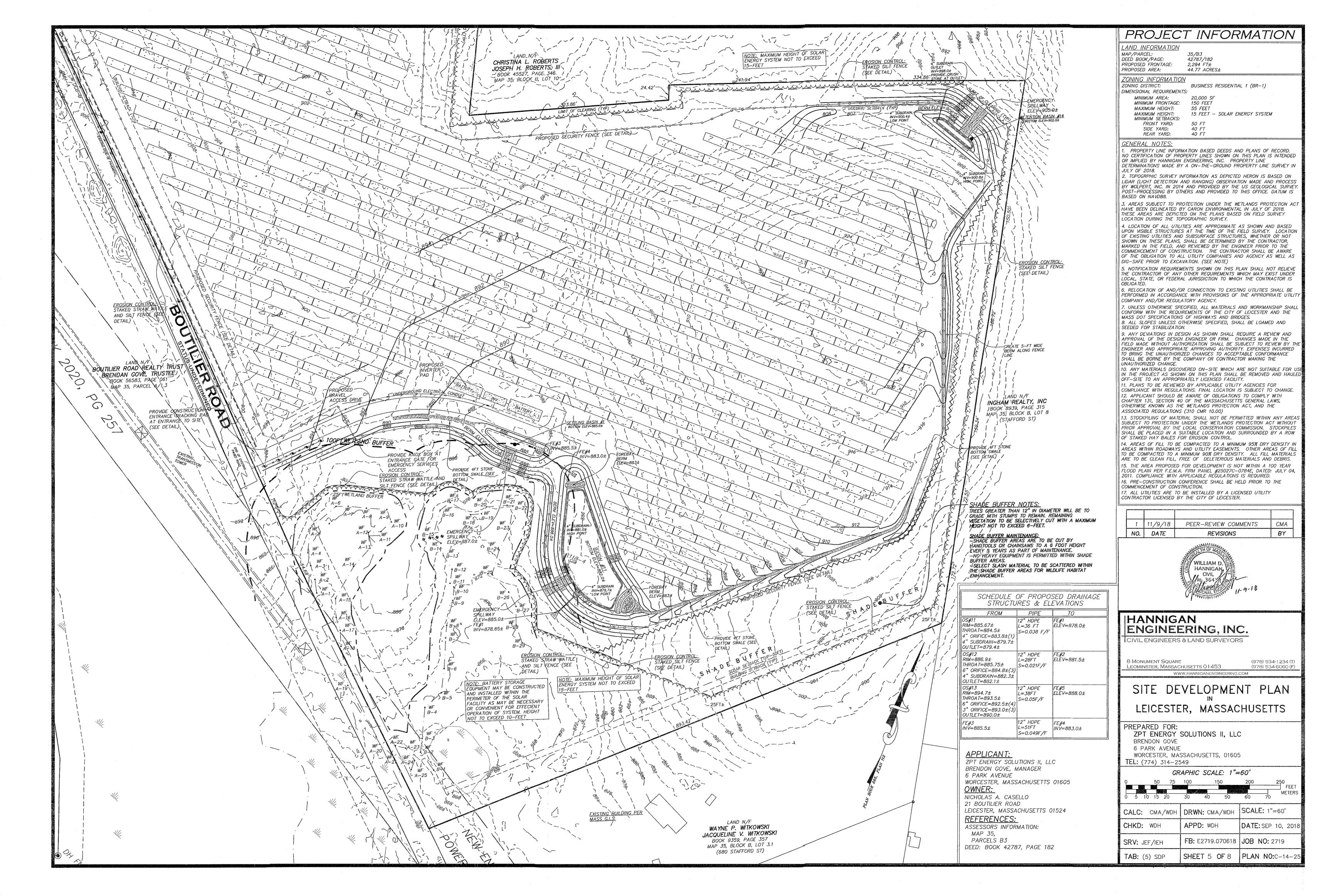
10. ANY MATERIALS DISCOVERED ON-SITE WHICH ARE NOT SUITABLE FOR US IN THE PROJECT AS SHOWN ON THIS PLAN SHALL BE REMOVED AND HAULED

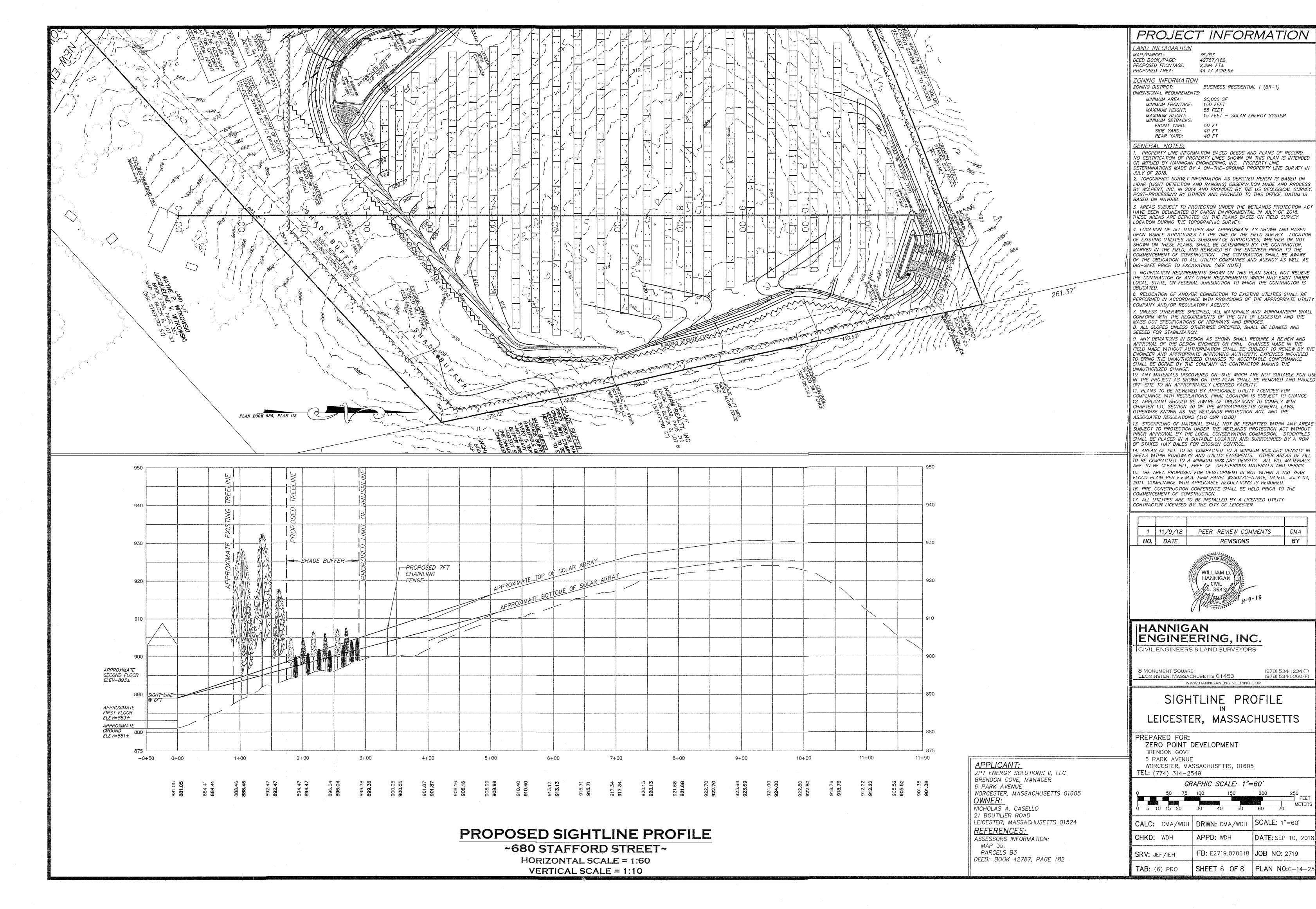
	0 5 10 15 20	30 40 50	60 70 METERS
	CALC: LRS	DRWN: LRS	SCALE: 1"=60'
2000	CHKD: WDH	APPD: LRS	DATE: SEP 10, 201
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DATE: SEP 10, 2018





EROSION & SEDIMENTATION CONTROL PLAN GENERAL:

THE PURPOSE OF THIS PLAN IS TO PRESENT A PREVENTIVE METHOD OF CONSTRUCTION TO MINIMIZE THE IMPACT OF THE CONSTRUCTION ACTIVITIES UPON WETLAND AND OTHER SENSITIVE AREAS. THE DATA CONTAINED ON THIS PLAN IS INTENDED TO SUPPLEMENT THE DEVELOPER OR CONTRACTORS' EXPERTISE AND IS NOT MEANT TO CIRCUMVENT LOGICAL DECISIONS REQUIRED BY A VARIETY OF FIELD CONDITIONS INCLUDING WEATHER AND THE TYPE OF EQUIPMENT AVAILABLE TO THE CONTRACTOR.

P. THE CONTRACTOR IS TO BE AWARE OF THE REQUIREMENTS AND OBLIGATIONS TO COMPLY WITH CHAPTER 131, SECTION 40 OF THE MASSACHUSETTS GENERAL LAWS, OTHERWISE KNOWN AS THE WETLANDS PROTECTION ACT, AND ITS ASSOCIATED REGULATIONS (310 CMR 10.00). CERTAIN PERMITS IN THE FORM OF AN ORDER OF CONDITIONS, OR OTHER FORMAT, MAY BE REQUIRED FOR THE CONSTRUCTION AS DEPICTED ON THIS PLAN. THESE PERMITS SHALL BE REVIEWED AND ADHERED TO BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL ALSO MAINTAIN COPIES OF ALL PERMITS ON SITE AT ALL TIMES.

3. IF CHANGES IN THE PROJECT ARE REQUIRED DUE TO FIELD CONDITIONS THE DEVELOPER/CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER FOR REVIEW OF THESE CONDITIONS. UPON REVIEW, AND PRIOR TO THE IMPLEMENTATION OF ANY CHANGE, THE CONTRACTOR AND THE ENGINEER SHALL MEET WITH THE APPROPRIATE LOCAL AND/OR STATE OFFICIAL, OR ITS AGENT, TO DETERMINE IF THE CHANGE REQUIRES MODIFICATION TO EXISTING APPROVED PERMITS.

4. ALTERATION AND/OR DESTRUCTION OF WETLAND AREAS WITHOUT PRIOR CONSENT OF THE CONSERVATION COMMISSION IS PROHIBITED. SILTATION PLUMES ILLICIT DISCHARGES OR INADVERTANT ALTERATION SHALL BE CONSIDERED AS ACTIVITIES NOT PERMITTED BY THE ORDER AND SHALL BE REPORTED TO THE CONSERVATION COMMISSION ALONG WITH THE PROPOSED MITIGATIVE MEASURES.

5. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE EROSION AND SEDIMENT CONTROL BARRIER SHALL BE INSTALLED AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN THE EROSION CONTROL BARRIER UNTIL ALL WORK IS COMPLETE AND ALL AREAS HAVE BEEN STABILIZED. THE REMOVAL OF SEDIMENT CONTROL DEVICES SHALL BE ONLY UPON THE APPROVAL OF THE CONSERVATION COMMISSION.

6. EROSION AND SEDIMENTATION CONTROL DEVICES, SUCH AS CHECK DAMS, SEDIMENT BASINS, ETC. ARE TO BE INSTALLED AS SHOWN ON THE SITE DEVELOPMENT PLANS WITH ASSOCIATED DETAILS, AS APPROPRIATE.

CONSTRUCTION OPERATIONS SHALL NOT CAUSE NOTICEABLE SEDIMENTATION PLUMES TO OCCUR ON OR SURROUNDING THE PROJECT. SHOULD SEDIMENT EXTEND BEYOND THE EROSION CONTROL BARRIERS, THE CONTRACTOR SHALL STOP WORK AND INSTALL ADDITIONAL MITIGATION MEASURES TO PREVENT FURTHER SEDIMENTATION.

B. NO MATERIAL SUBJECT TO EROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF ANY WETLAND AREAS WITHOUT PROPER EROSION AND SEDIMENTATION DEVICES IN PLACE.

9. EQUIPMENT SHALL NOT BE PARKED WITHIN WETLAND OR BUFFER AREAS EXCEPT DURING ACTUAL OPERATIONS REQUIRING SAID EQUIPMENT. 10. ACCUMULATED SEDIMENT ALONG EROSION CONTROL BARRIERS SHALL BE PERIODICALLY REMOVED AND DISPOSED OF BY THE CONTRACTOR AS REQUIRED BY THE CONSERVATION COMMISSION OR AS DIRECTED BY THE ENGINEER.

EROSION CONTROL METHODS:

I. IT IS OF GREAT IMPORTANCE THAT CONCENTRATION OF RUNOFF BE AVOIDED IN ORDER TO PREVENT THE TRANSPORT OF SEDIMENT.

2. THE PRIMARY EROSION CONTROL METHOD TO BE UTILIZED IS TO LIMIT THE AREA OF DISTURBANCE DURING CONSTRUCTION ACTIVITIES. THIS IS ACCOMPLISHED BY PROMPT STABILIZATION OF DISTURBED AREAS UPON COMPLETION OF SEQUENCES OF CONSTRUCTION.

3. EROSION AND SEDIMENT CONTROL DEVICES SUCH AS HAY BALES, SILT FENCES, DIVERSION BERMS, ETC. SHALL BE UTILIZED FOR THE PROTECTION OF THE AREAS BEYOND THE LIMIT OF CONSTRUCTION.

DEMARCATION OF SENSITIVE AREAS:

1. IT IS RECOMMEND THAT BARRIERS BE PLACED ON THE SITE TO CONTROL THE LIMITS OF THE DISTURBANCE. AS AN EXAMPLE, HAY BALE BARRIERS PROVIDE SUCH DEMARCATION AND OTHER METHODS SUCH AS LOG BARRIERS, ROPE WITH FLAGGING, ETC. MAY BE UTILIZED.

THAT ONLY THE MINIMUM AREA NEEDED TO BE ALTERED IS DISTURBED.

. ACCESS TO THE SITE SHALL BE MADE IN THE AREA OF A PERMANENT DRIVEWAY OR ROADWAY UNLESS DOING SO WOULD RESULT IN A TRAFFIC

CARE SHOULD BE TAKEN IN THE OPERATION OF EQUIPMENT, SUCH

2. AN AREA OF CRUSHED STONE SHALL BE PLACED AT THE DRIVEWAY ENTRANCE TO INSURE THAT MUD IS NOT TRACKED ONTO THE EXISTING ROAD (SEE CONSTRUCTION ENTRANCE DETAIL). IF MUD IS INADVERTENTLY TRACKÈD ONTO THE ROAD, IT SHOULD BE PROMPTLY REMOVED.

LABORERS VEHICLES SHALL BE PARKED IN A DESIGNATED AREA AS TO MINIMIZE DISTURBED SURFACES AND TO INSURE THAT RUTS ARE NOT CREATED AND WHICH COULD CARRY WATER TO A WETLAND OR OTHER SENSITIVE AREA.

4. SUITABLE MEASURES SHALL BE TAKEN TO INSURE THAT LARGE DELIVERY TRUCKS SERVICING THE SITE DO NOT DAMAGE TO AREAS OF EXISTING VEGETATION OR CAUSE DISTURBANCE TO STABILIZED AREAS.

ORDERLY CONSTRUCTION PROCEDURES:

THE CONTRACTOR SHALL PERFORM SITE CONSTRUCTION IN A MANNER WHICH WILL INSURE THE STABILIZATION OF AREAS IN PROXIMITY OF OR TRIBUTARY TO WETLAND AREAS AS SOON AS POSSIBLE.

2. EROSION CONTROL DEVICES SUCH AS HAY BALE BARRIERS, SILT FENCES AND MULCH SHALL BE BROUGHT TO THE SITE AND STOCKPILED PRIOR TO INITIATING CONSTRUCTION.

3. THE CONTRACTOR SHALL PROVIDE AREAS FOR THE TEMPORARY STORAGE OF CONSTRUCTION DEBRIS. CONSTRUCTION DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE FOR AN EXTENDED PERIOD OF TIME.

1. LAND CLEARING SHALL BE PERFORMED IN PHASES CONSISTENT WITH ACTUAL CONSTRUCTION REQUIREMENTS. FINAL LAND CLEARING SHALL BE LIMITED TO RETURN TO GRADE SLOPES 2. TREES SHALL BE CUT FOR ENTIRE SITE LEAVING SUMPS IN PLACE TO

MAINTAIN SOIL STABILIZATION. 3. STUMPS SHALL BE PULLED AND STOCKPILED FOR GRINDING.

4. BRUSH AND BRANCHES SHOULD BE CHIPPED AND UTILIZED FOR WOOD MULCH IF PRACTICAL.

. VEHICLES UTILIZED IN THE CLEARING OPERATION SHOULD NOT TRAVERSE WETLANDS OR FLOWING BROOKS OR STREAMS WITHOUT PRIOR APPROVAL FROM THE LOCAL CONSERVATION COMMISSION OR AGENT.



PERIMETER SIGNAGE NO SCALE

12" x 9" SIGNS TO BE PLACED ALONG FENCELINE AT 50 FT INTERVALS

ROUGH GRADING:

1. THE ROUGH GRADING OF THE SITE SHALL FOLLOW THE FILL AND FXCAVATION SEQUENCES AS DESCRIBED ON THE CONSTRUCTION PHASING PLANS. SLOPES SHALL BE MAINTAINED AWAY FROM WETLANDS AND SENSITIVE AREAS AS MUCH IS PRACTICAL.

2. DURING THIS PROCESS THE EROSION POTENTIAL IS HIGH, SUFFICIENT EROSION CONTROL BARRIERS SHOULD BE KEPT IN PROXIMITY TO THE WORK AREA TO ALLOW QUICK ACTION SHOULD EROSION BECOME AN ISSUE AND TO INSURE THAT NO SEDIMENT REACHES WETLANDS OR OTHER SENSITIVE AREAS.

3. IN AREAS OF CUT AND/OR FILL WHERE SLOPES COULD DIVERT WATER TOWARD WETLAND AREAS, DIVERSION TRENCHES AND/OR SWALES SHOULD BE CONSIDERED AND IMPLEMENTED TO DIVERT WATER AWAY FROM THESE AREAS.

4. STEEP SIDE SLOPES IN EXCAVATION OR FILL SHOULD BE AVOIDED. DISTURBED AREAS SHALL BE STABILIZED BY LOAMING AND SEEDING OR RIPRAPPED IMMEDIATELY AFTER THE FINISH GRADE HAS BEEN MET. IF FINAL GRADING DOFS NOT OCCUR DURING THE GROWING SEASON. THESE AREAS SHALL BE MULCHED WITH HAY WITH A TACKIFIER, IF NECESSARY SLOPED AREAS MAY REQUIRE ADDITIONAL CONTROLS SUCH AS EROSION CONTROL SOCKS OR HAYBALES.

6. A GROUND COVER SUFFICIENT TO RETAIN SOILS IN A STABILIZED CONDITION MUST BE PROVIDED WITHIN 14 WORKING DAYS, SEASON PFRMITTING. ON ANY PORTION OF THE TRACT UPON WHICH FURTHER ACTIVE CONSTRUCTION IS NOT BEING UNDERTAKEN.

1. IF DRAINAGE PIPES OR SWALES ARE TO BE INSTALLED, THEY SHALL BE CONSTRUCTED FROM DOWNSTREAM UP AND CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF OUTFALL RIPRAP AND OTHER MITIGATIVE MEASURES SHOWN ON THE PLAN.

2. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, HAY BALES OR OTHER SUITABLE METHODS TO ENTRAP SEDIMENT SHALL BE PLACED 3. THE TOE OF EMBANKMENTS SHALL BE STABILIZED IMMEDIATELY,

CREATION OF DETENTION BASIN:

MULCHED AND TACKED DOWN BY SUITABLE MEANS.

THE DETENTION BASIN HAS BEEN PLACED AS A SEPARATE ITEM TO EMPHASIZE THE IMPORTANCE OF EROSION CONTROL DURING ITS CONSTRUCTION.

AS WELL AS FOR THE SITE IS THE RAPID STABILIZATION OF ALL SURFACES, SECONDARY IN IMPORTANCE IS THE CONCENTRATION OF RUNOFF BE AVOIDED IN ORDER TO PREVENT THE TRANSPORT OF 3. DURING CONSTRUCTION, THE FILL AND EXCAVATION SEQUENCES

THE PRIMARY EROSION CONTROL METHOD FOR BASIN CONSTRUCTION.

SHOWN ON THE CONSTRUCTION PHASING PLANS, ALONG WITH THE DETAILS PROVIDED IN THIS PLAN SET SHALL BE UTILIZED. THESE SEQUENCES REQUIRE THAT SLOPED AREAS LEFT FOR ANY PERIOD OF TIME NOT SLOPED TOWARDS THE WETLAND OR SENSITIVE AREA, BUT RATHER BACK INTO THE FILL MATERIAL.

THE BASIN BERM IS TO BE CONSTRUCTED BY EQUIPMENT WORKING ON STABLE MATERIAL ONLY. HAY BALES SHALL BE PLACED AT THE TOE OF SLOPE UNTIL SURFACES ARE STABILIZED.

5. NO EXCAVATION WITHIN THE BASIN SHALL COMMENCE UNTIL THE BERM IS IN PLACE.

6. CARE SHOULD BE TAKEN TO INSURE THAT ORGANIC MATERIAL REMOVED FROM THE BASIN AREA IS RESERVED FOR FINISH GRADING AND THE STABILIZATION OF DISTURBED AREAS.

7. IF DEWATERING IS NECESSARY, PUMPING TO A SETTLING BASIN SHALL BE PERMITTED IF SETTLING BASIN IS CONSTRUCTED, MAINTAINED AND OPFRATED FFFECTIVELY.

B. AT NO TIME SHALL RUNOFF CARRYING SEDIMENT BE ALLOWED TO FLOW TO THE WETLANDS OR SENSITIVE AREAS.

9. THE WORK AREA SHALL REMAIN FREE OF LITTER AND DEBRIS AT ALL TIMES AND MONITORED ON A DAILY BASIS TO ENSURE COMPLIANCE. 10. ALL MATERIALS STOCKPILED SHALL BE LOCATED, MULCHED OR OTHERWISE TREATED TO INSURE THAT MATERIALS CONTAINED, THEREIN, AREA NOT CARRIED INTO THE WETLANDS.

11. ANY MATERIALS BLOWN OR CARRIED BY WATER AWAY FROM THE CONSTRUCTION SITE OR INTO THE WETLAND AREAS SHALL BE PROMPTLY REMOVED AS REQUIRED BY THE LOCAL CONSERVATION COMMISSION. 12. A GEOTECHNICAL FILTER FABRIC SHALL BE PLACED OVER THE BASIN SUBDRAIN DURING CONSTRUCTION TO PREVENT SEDIMENT FROM ENTERING AND CLOGGING THE DRAIN. THE FABRIC SHALL BE REMOVED FOR BASIN PREPARATION FOR FINAL STABILIZATION.

GRUBBING AND STRIPPING:

PROTECTED AND SUPPLEMENTED.

1. TOP SOIL SHALL BE RETAINED AND STOCKPILED FOR LANDSCAPING

P. GRUBBING AND STRIPPING OF SLOPES LEADING TO WETLAND AREAS SHOULD NOT BE UNDERTAKEN DURING PERIODS OF INTENSE RAINFALL. 3. TOP SOIL STOCKPILE LOCATIONS ARE DEPICTED ON THE SITE DEVELOPMENT PLAN, THE EROSION CONTROL PLAN, AND/OR THE CONSTRUCTION PHASING PLAN AND SHALL BE ADHERED TO. 4. WHEN WORKING IN THE VICINITY OF WETLANDS, TOP SOIL SATURATED WITH WATER SHALL BE REMOVED, AND CONTAINED PRIOR TO BEING USED. 5. AREAS LEADING TO WETLANDS SHALL HAVE HAY BALE BARRIERS INSTALLED ACROSS THEM IN ARCS POINTING DOWN THE HILL AT INTERVALS SUFFICIENT TO MITIGATE RUNOFF CARRYING SEDIMENT. 6. DURING PERIODS OF INTENSE RAINFALL, OR IF THE PROJECT IS TO BE LEFT FOR A PERIOD OF TIME, CONSIDERATION SHOULD BE GIVEN TO SUPPLEMENT HAY BALE BARRIERS WITH EITHER CRUSHED STONE OR ARMORED BARRIERS. CONSIDERATION MAY ALSO BE GIVEN TO DIVERTING RUNOFF INTO TEMPORARY SEDIMENTATION CONTROL AREAS.

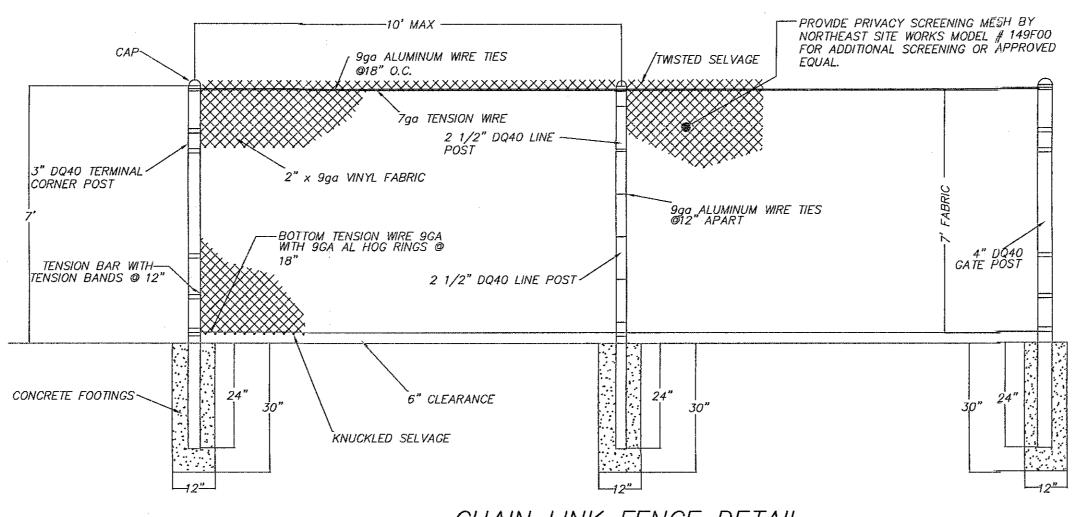
7. WHENEVER PRACTICAL, NATURAL VEGETATION SHALL BE RETAINED,

6' SPACING

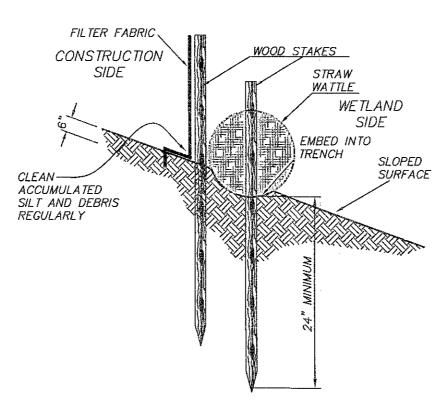
SPLICE 3' SPACING

ANCHOR

PATTERN_



CHAIN LINK FENCE DETAIL NO SCALE



STRAW WATTLE DETAIL NO SCALE

"FACILITY NAME" OWNER CONTACT INFORMATION (###) ### - #### OPERATOR CONTACT INFORMATION (###) ### — #### EMERGENCY CONTACT INFORMATION

(###) ### — ####

TYPICAL PROJECT SIGN NO SCALE 24" x 24" SIGNS TO BE PLACED AT ENTRANCE OF PROJECT

DETAIL OF

TOP TRENCH

MIDIH

LATERAL SPLICE ANCHOR

PATTERN

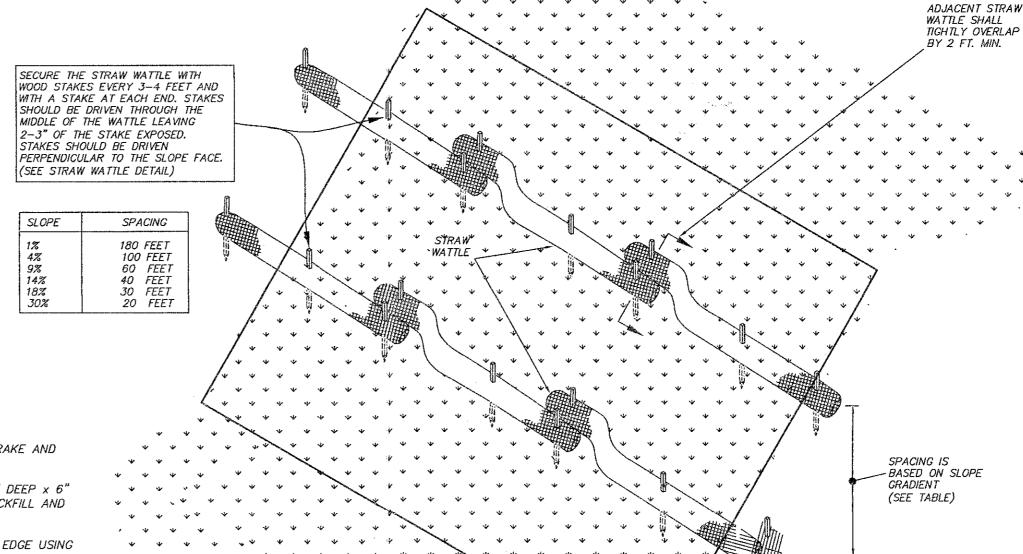
BOTTOM TRENCH AND

AS TOP TRENCH)

12" COMPACTED GRANULAR BASE M1.03.0- TYPE A SUB-BASE MATERIAL, CLEAN FILL COMPACTED TO 95% DRY DENSITY ∼UNDISTURBED EARTH OR SUITABLE MATERIAL 🦯 COMPACTED TO 95% DRY DENSITY

GRAVEL ACCESS LANE SECTION (FOR ACCESS TO PANELS AND DETENTION BASIN)

NO SCALE - 14FT WIDE



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EROSION CONTROL SLOPE DETAIL

AND ANCHORS PROCEDURES FOR INSTALLATION OF EROSION CONTROL BLANKET: PREPARE SLOPES WITH FINAL GRADING AND LOAM PLACEMENT. RAKE AND SMOOTH FINAL SURFACE, APPLY APPLICABLE SEED MIX. 2) START AT THE TOP OF SLOPE BY ANCHORING BLANKETS IN A 6" DEEP x 6" WIDE ANCHOR TRENCH. PLACE BLANKETS, STAPLE (8" STAPLES), BACKFILL AND COMPACT WITH FABRIC OVERLAP OF 12". 3) ROLL BLANKETS DOWN THE SLOPE. STAPLE THE OPEN BLANKET EDGE USING ONE ROW OF STAPLES AT 2' INTERVALS. THE INTERIOR OF THE BLANKET SHOULD BE STAPLED USING A 2' WIDE x 3' HIGH STAPLE PATTERN. BE SURE TO LAY BLANKETS LOOSLY ON THE GROUND ALLOWING A GOOD CONTACT BETWEEN SOIL

> 4) USE AN 6" OVERLAP BETWEEN BLANKET SPLICES. USE A SINGLE ROW OF STAPLES TO ANCHOR BLANKETS TOGETHER.

5) PROVIDE 6"x 6" ANCHOR TRENCH AT TOE OF SLOPE. 6) EROSION CONTROL BLANKET TYPE SHALL BE PROPERLY SELECTED FOR SOIL

CONDITIONS AND MAXIMUM ALLOWABLE SLOPE. 7) ANY/ALL METALLIC ANCHORS SHALL BE PROMPTLY REMOVED ONCE THE VEGETATIVE COVER HAS BEEN ESTABLISHED.

8) GRASS SEED VARIETY SHALL BE PROPERLY CHOSEN FOR SPECIFIC SITE CONDITIONS (SHADE OR SUN, ETC.)

ANCHORS (SAME SPACING EROSION CONTROL BANKET PLACEMENT NO SCALE

TOP OF EROSION

CONTROL BLANKET

-- BASED ON SLOPE **+ + + + + + + +** * * * * * * * * * * * * *

COLOR OF ALL MATERIALS

ARE GALVANIZED

GATE POSTS 4"

LINE POSTS 2.5"

TERMINAL POSTS 3"

TENSION BANDS @ 12"

WIRE TO MATCH FABRIC.

BOTTOM TENSION WIRE WITH 9ga AL HOG RINGS

DOME CAPS RAIL ENDS

FABRIC 2" MESH WITH 9ga

COATED STEEL CHAIN LINK

FABRIC AS PER ASTM F668

INSTALL WARNING TA

AND TRACER WIRE 12'

BELOW FINISH GRADE

ELECTRICAL LINE

FILTER CLOTH

* * *

* * * *

* * * * *

(WHERE REQUIRED) TO BE PLACED AGAINST

SECTION IN PAVEMENT

12 MIN.

9" MIN. 15

12" MAX.

FOR PAVEMENT SURFACE TREATMEN

(THIS SHEET)

177777

SECTION IN SHOULDER

4" MINIMUM LOAM WITH

APPROPRIATE SEEDING

(SEE SPECIFICATIONS

COMPACTED IN 6" LIFTS 6" MAXIMUM STONE SIZE

SAND BACKFILL MATERIAL

NO ROCK, LEDGE, OR

TO BE WITHIN 6" OF PIPE

STEEL CORE GALVANIZED

with 9ga PVC EXTRUDED

POLY VINYL CHLORIDE

9ga TIE WIRES WITH STEEL CORE

3" BRACE BANDS

WIRE 9ga TENSION

APPLICANT: ZPT ENERGY SOLUTIONS II. LLC BRENDON GOVE, MANAGER 6 PARK AVENUE WORCESTER, MASSACHUSETTS 01605 OWNER: NICHOLAS A. CASELLO 21 BOUTILIER ROAD

LEICESTER, MASSACHUSETTS 01524

SENSITIVE AREA -EXISTING GRADE WHEN HE FINISH GRADE --- MAINTAIN EXCAVATED AREA SHOULD BE AS REQUIRED TO INSURE ENTRAPMENT SENSITIVE AREA WITH FACE AS FROM DISTURBED HOWN IN PHASE 1 WITH FINISH OF WATER FROM DISTURBED BASE GRADES PHASE III PHASE IV -- EXISTING GRADE *** FINISH GRADE -FINISH GRADE-EXCAVATE AS SHOWN IN PHASE 2 LEAVE 2 FOOT HIGH BERM UNTIL GRASS IS ESTABLISHED AREA IS STABILIZED AT TOE OF BERM LOAM AND SEED & MULCH BERM AREA FILL SEQUENCE NO SCALE PHASE II—A PHASE I PLACE MATERIAL WITH EXISTING GRADE — EXCAVATE AREAS SENSITIVE AREAS ONLY AS REQUIRED PRIOR TO PLACEMENT OF MATERIALS GRUB AND STRIP SITE LEAVING DIKES OF UNDISTURBED MATERIAL OR GRADE TO ENTRAP RUNOFF ON A LOCALIZED INSTALL SEDIMENT
BASIS. ENTRAPMENT DEVICES IN PROXIMITY OF DISTURBANCE IF MATERIAL CANNOT BE PHASE II—B PHASE III PLACED AS IN PHASE 2-A PLACE MATERIAL WITH SLOPE PROTECT STEEP SLOPES O SENSITIVE AREA. BUT FROM EROSION EROSION POTENTIAL IS PRESENT, FORM DIKES DIVERT DEVICE TO LIMIT

EXCAVATION SEQUENCE

PHASE II

-EXISTING GRADE

UNDISTURBED AREA CAPABLE

OF ALLOWING SEDIMENTATION.

SHALL ALWAYS

SLOPE AWAY FROM

PHASE I

NO SCALE

LOAM AND SEED EXCAVATED AREAS

SLOPES AND MULCH

IF REQUIRED

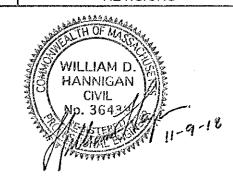
DEVICE TO RETAIN

AS SOON AS POSSIBLE

PEER-REVIEW COMMENTS 1 11/9/18 CMANO. DATE BY **REVISIONS**

SENSITIVE AREAS

PORTION OF SLOPE



HANNIGAN ENGINEERING. INC. CIVIL ENGINEERS & LAND SURVEYORS

8 MONUMENT SQUARE (978) 534-1234 (T) LEOMINSTER, MASSACHUSETTS 01453 (978) 534-6060 (F WWW.HANNIGANENGINEERING.COM

CONSTRUCTION DETAILS LEICESTER, MASSACHUSETTS

PREPARED FOR: ZPT ENERGY SOLUTIONS II, LLC BRENDON GOVE 6 PARK AVENUE

WORCESTER, MASSACHUSETTS, 01605 TEL: (774) 314-2549

SCALE: NA DRWN: CMA/WDH **CALC:** cma/wdh APPD: WDH **DATE: SEPT 10, 201** CHKD: WDH **FB:** E2719.070618 **| JOB NO:** 2719 SRV: JEF/IEH SHEET 7 OF 8 PLAN NO:C-14-

