

April 2, 2020

VIA EMAIL

Ms. Melanie Bachman Executive Director Connecticut Siting Council Ten Franklin Square New Britain, CT 06051

Re: **PETITION NO. 1372** – Derby Fuel Cell, LLC petition for a declaratory ruling, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the proposed construction, maintenance and operation of a 14.0-megawatt fuel cell facility and associated equipment to be located at 200 Roosevelt Drive, Derby, Connecticut.

Dear Ms. Bachman:

Pursuant to the Council's request dated March 27, 2020, enclosed on behalf of Derby Fuel Cell, LLC (the "Company"), is an electronic copy of the Company's responses to the Council's Set Two questions 5-7 in the above-referenced matter.

Very truly yours,

Jennifer D. Arasimowicz

Executive Vice President, General Counsel,

Chief Administrative Officer and Corporate Secretary

Enclosures

c: Service list

FuelCell Energy 3 Great Pasture Road Danbury, CT 06810 www.fuelcellenergy.com



Interrogatory CSC-5

Derby Fuel Cell, LLC Witness: Bob Kent

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Q-CSC-5:

Condition 1a of the Connecticut Siting Council's (Council) July 19, 2019 declaratory ruling (Declaratory Ruling) requires that the Development and Management Plan (D&M Plan) include "A final site plan including, but not limited to, fuel cell units, related equipment, transformer locations (both dry and insulating fluid-filled) with containment measures as necessary, perimeter fence, concrete pads..." Please identify the transformer locations on the site plan and indicate if any containment measures are necessary for any insulating fluid-filled transformers, if applicable.

A-CSC-5:

Only air-cooled (dry) transformers will be used at the Derby Fuel Cell Site. These transformers are not oil-filled and thus do not require any containment. An updated Site Plan is attached that specifically indicates the location of the transformers.

FuelCell Energy 3 Great Pasture Road Danbury, CT 06810 www.fuelcellenergy.com



Interrogatory CSC-6

Derby Fuel Cell, LLC Witness: Bob Kent

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Q-CSC-6: Referencing the Site Development Plan, Sheet 2 of 3 submitted on March 25, 2020, is

there a fence on the north side of the compound, or is the compound only fenced on

three sides? If the fence is only on three sides, please explain why.

A-CSC-6: The substation has a separate, pre-existing fence on the northern side of the property.

The project will tie into this pre-existing fence, which is why a new fence is not shown

in that location.

FuelCell Energy 3 Great Pasture Road Danbury, CT 06810 www.fuelcellenergy.com



Interrogatory CSC-7

Derby Fuel Cell, LLC Witness: Bob Kent

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Q-CSC-7: Referencing the Site Development Plan, Sheet 2 of 3 submitted on March 25, 2020, the

compound dimension lines indicate "Proposed Chain Link Fence w/Razor Wire," and the note at the bottom of the drawing says "8' High Chain Link Fence (TYP) with Barbed Wire." Please clarify if the fence would have barbed wire, razor wire, or a combination

of both?

A-CSC-7: For aesthetic reasons, barbed/razor wire on top of the fence was omitted from the Site

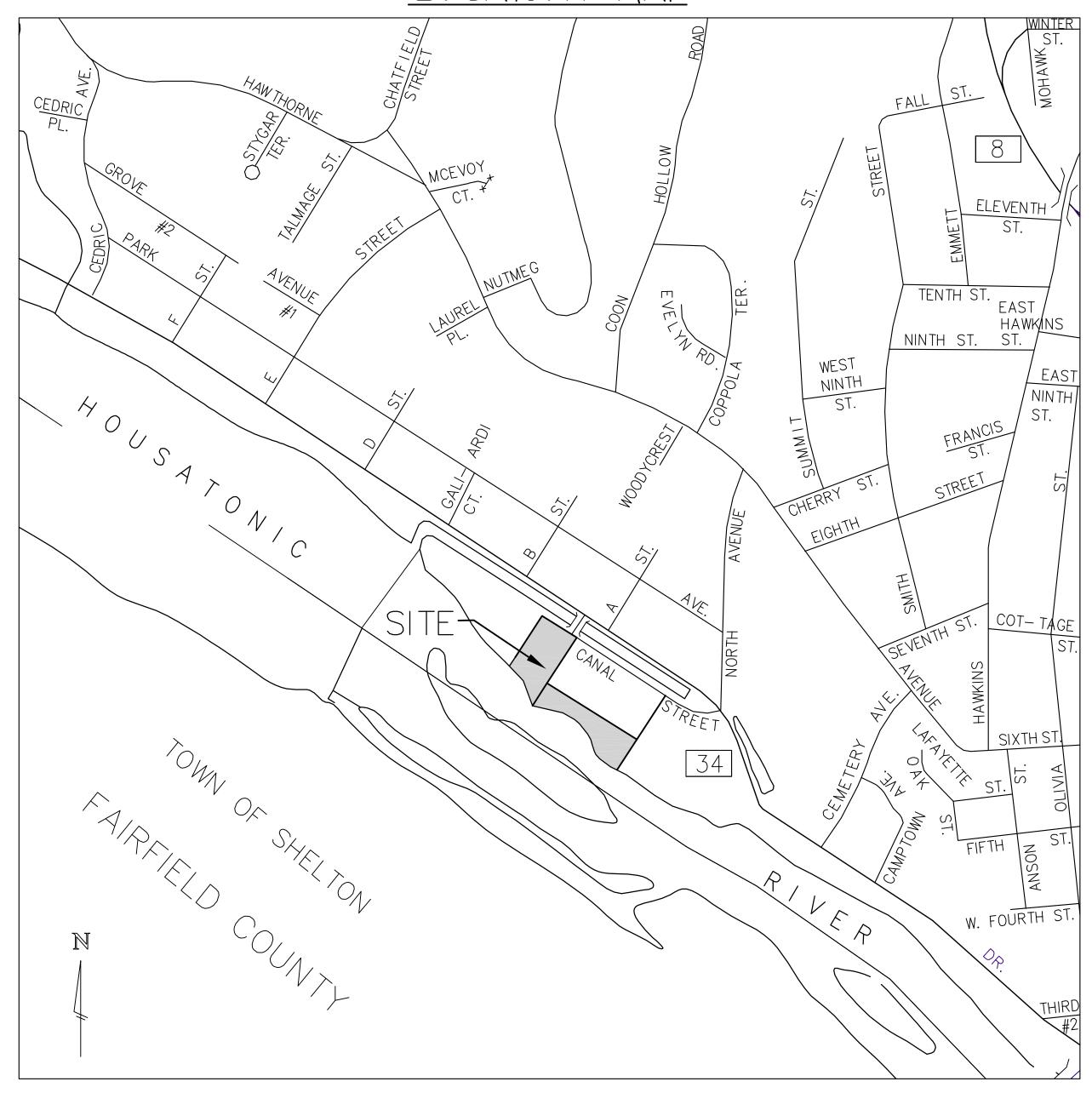
Development Plan. This call-out has been updated to reflect the final design

intent. Please see attached updated drawing.

Derby Fuel Cell, LLC Petition No. 1372 April 2, 2020

14Mwh 200 ROOSEVELT AVE DERBY, CT

LOCATION MAP

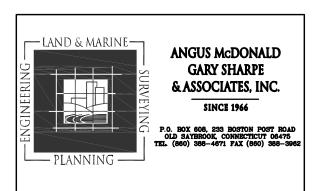


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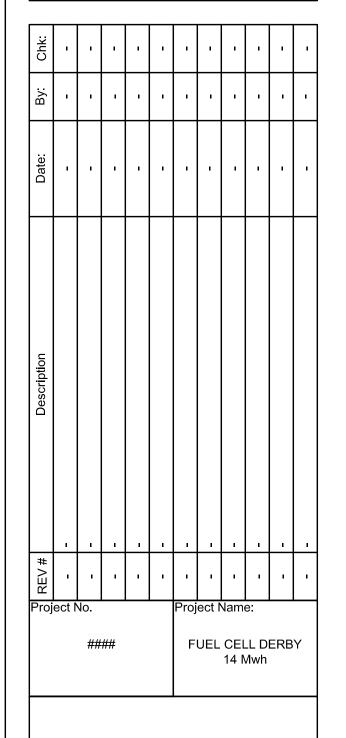
Drawing List	
Sheet Number	Sheet Title
T-1	Title Page
C-100	Existing Conditions
C-200	Proposed Site Plan
C - 201	Utility Plan
C-202	Erosion & Sediment Control
C - 300	Details

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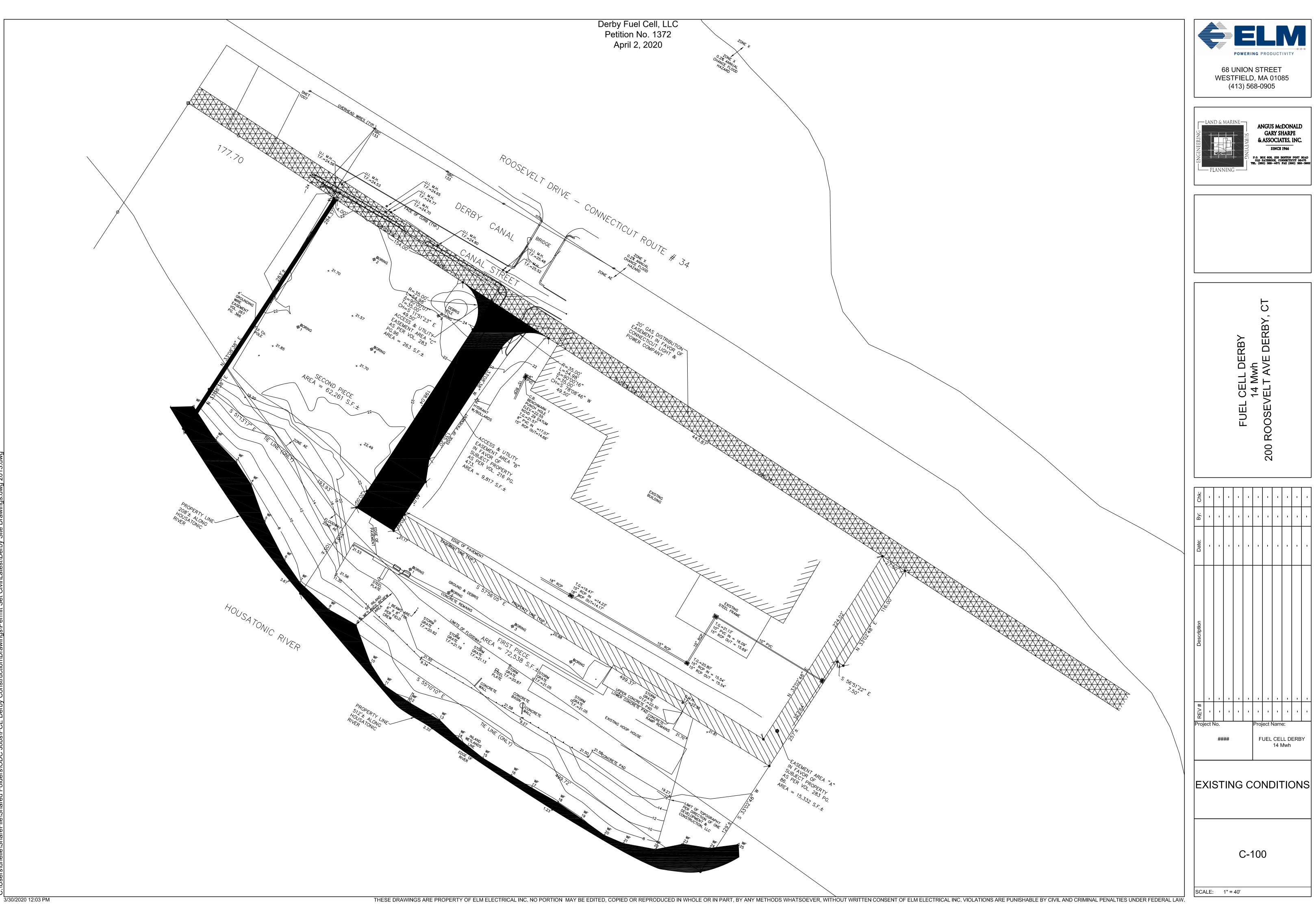
FUEL CELL DERBY 14 Mwh 200 ROOSEVELT AVE DERBY, C

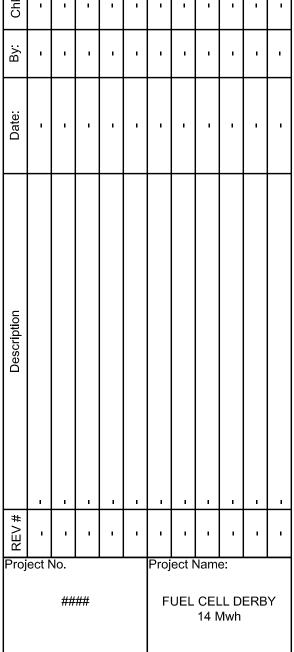


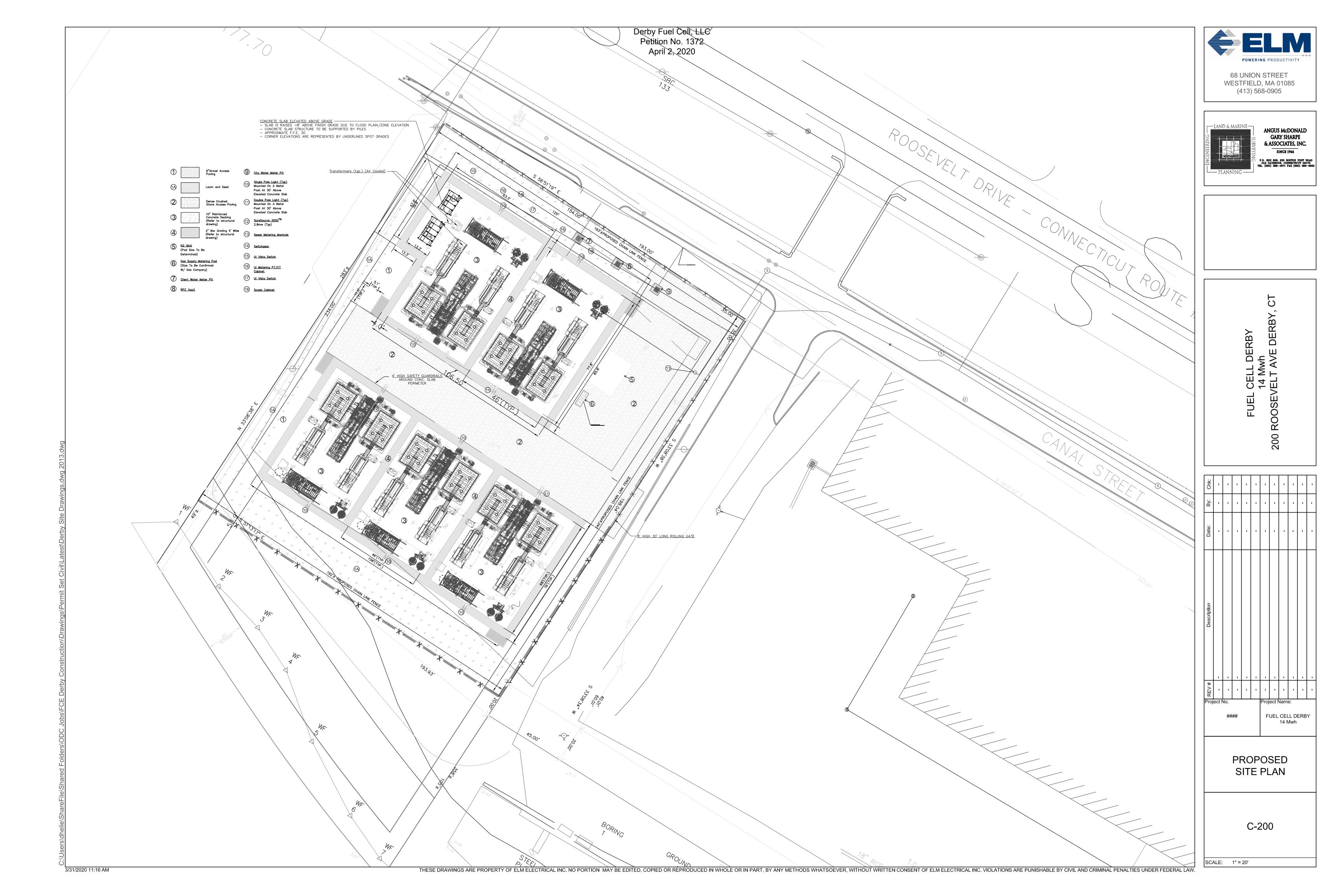
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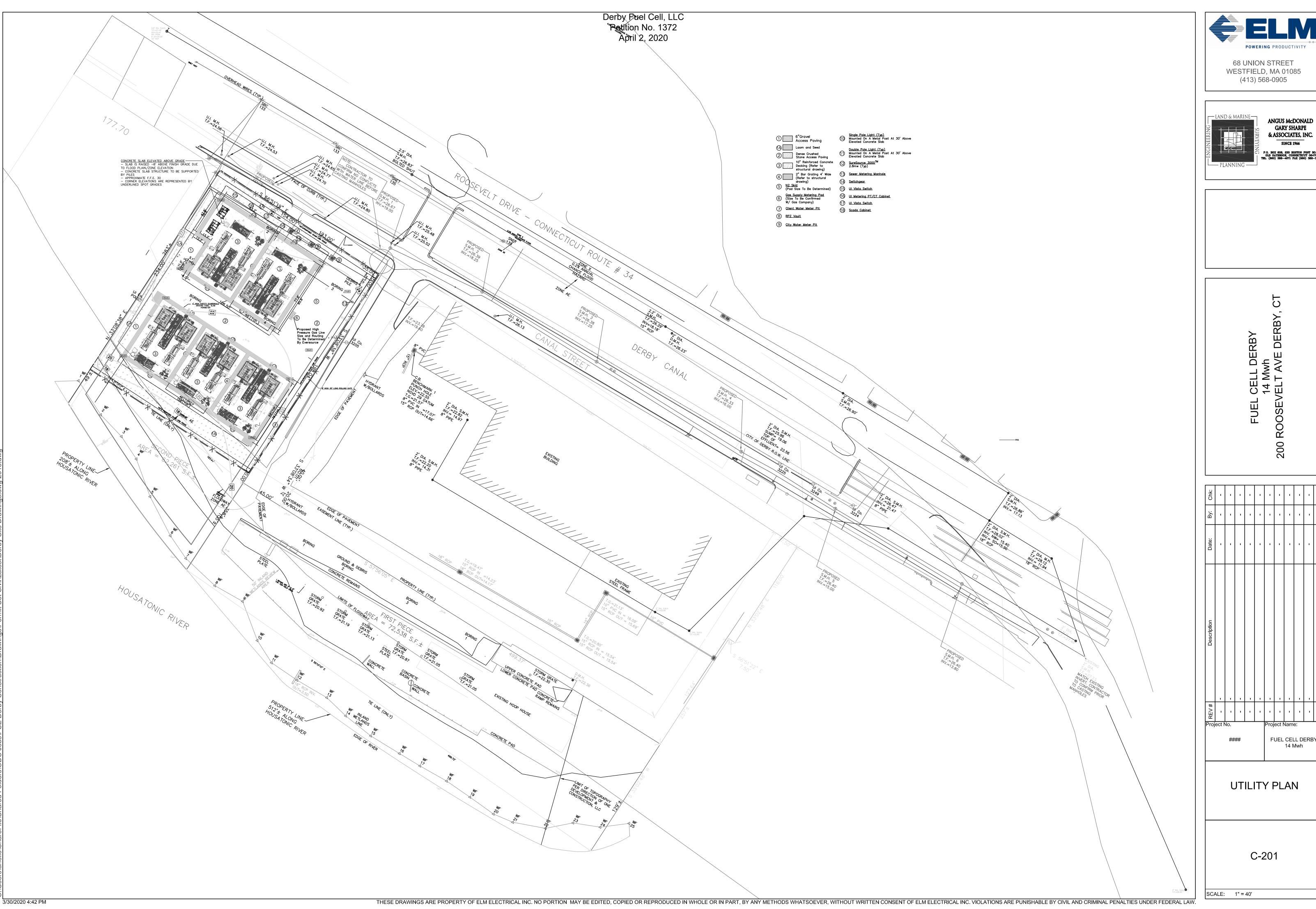
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SCA



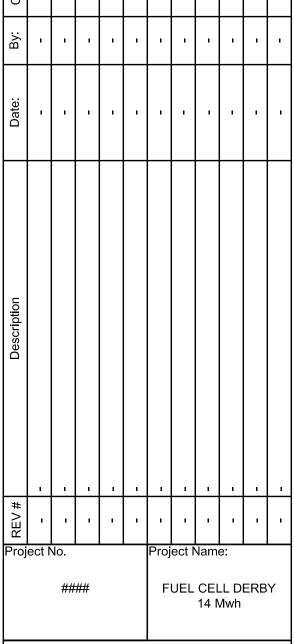


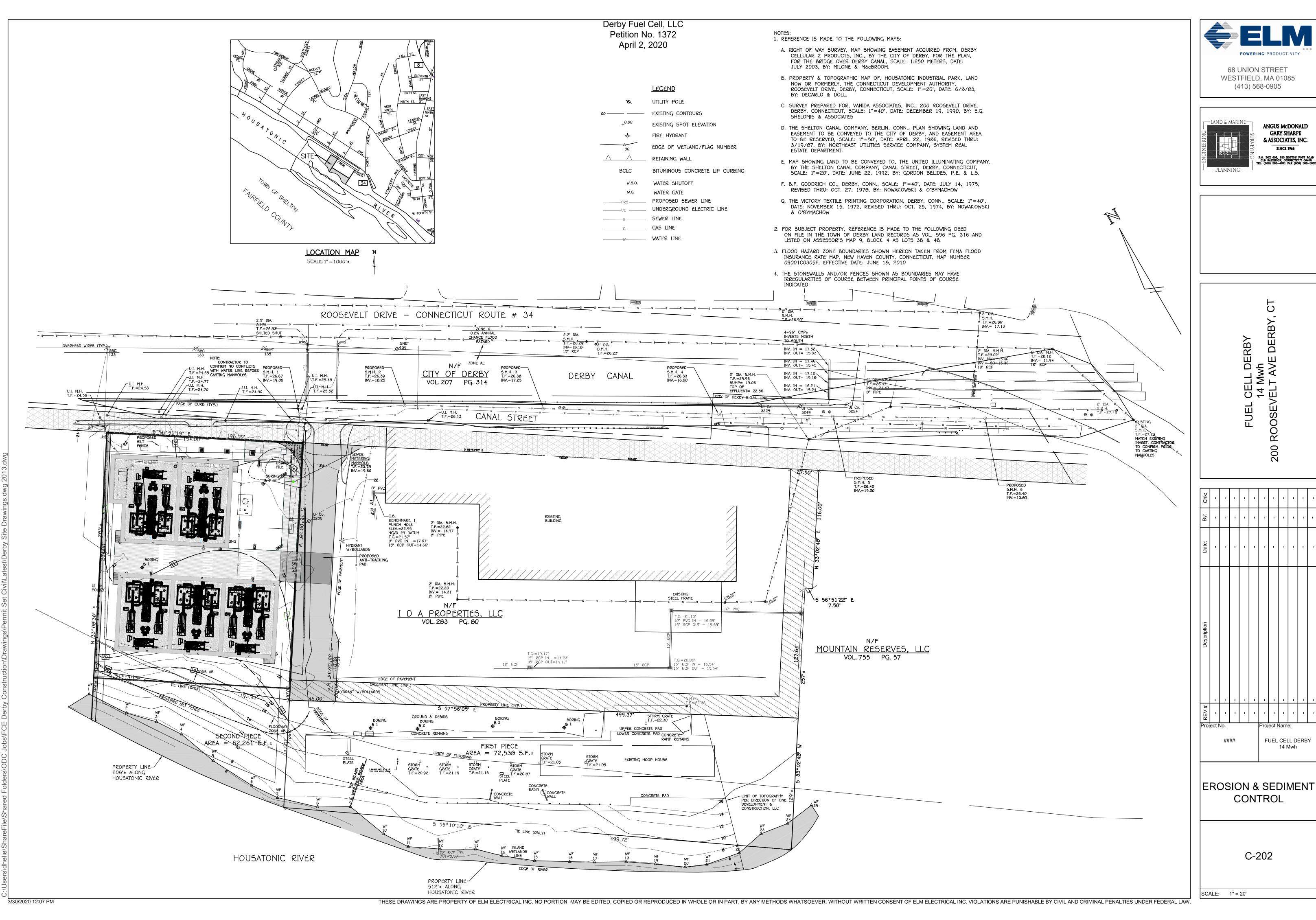




ELM

GARY SHARPE & ASSOCIATES, INC. SINCE 1966





& ASSOCIATES, INC. P.O. BOX 608, 233 BOSTON POST ROAD OLD SAYBROOK, CONNECTICUT 06475 TEL (660) 388-4671 FAX (860) 388-396

FUEL CELL DERBY

SEDIMENTATION AND EROSION CONTROL MEASURES

- CLEAR TREES, BRUSH FROM AREA TO BE GRADED. INSTALL SILT FENCE EROSION BARRIER (SEE PLAN
- . FILL AND GRADE ONLY THOSE AREAS SHOWN ON PLAN. 4. REMOVE ALL STONES, STUMPS, ETC. FROM GRADED AREA, THEN PLACE
- LOAM TO A DEPTH OF 4" OR MORE. 5. DURING SEED BED PREPARATION, APPLY FERTILIZER AT THE RATE OF 7.5 LBS. PER 1000 SQUARE FEET USING 10-10-10 OR EQUIVALENT.

 6. SEED ALL EXPOSED AREAS WITH THE FOLLOWING SEED MIXTURE:
- KENTUCKY BLUEGRASS
 2.25 LB5/1000 SQ. FT.

 CREEPING RED FESCUE
 2.25 LB5/1000 SQ. FT.
 .50 LB5/1000 SQ. FT. PERENNIAL RYEGRASS
- 7. AFTER SEEDING, MULCH SHOULD BE APPLIED TO EXPOSED AREAS. STRAW AND HAY MULCHES REQUIRE ANCHORING. THIS MAY BE ACCOMPLISHED BY THE USE OF A MULCHING ANCHORING TOOL, LIQUID MULCH BINDER, OR BY DRIVING TRACKED EQUIPMENT UP AND DOWN THE SLOPE KEEPING THE
- TRACK CLEATS PERPENDICULAR TO THE SLOPE. 8. WHERE VEGETATIVE COVER HAS NOT BEEN ESTABLISHED PRIOR TO OCTOBER 30, APPLY JUTE MESH AS PER CONNECTICUT GUIDELINES FOR
- SOIL EROSION AND SEDIMENT CONTROL. 9. ALL INSTALLED SEDIMENTATION AND EROSION CONTROL MEASURES MUST BE MAINTAINED UNTIL THE AREA IS ESTABLISHED. INSPECTIONS SHOULD BE MADE AT LEAST ONCE A WEEK AND AFTER EACH RAIN.

MAINTENANCE SCHEDULE

SHORT TERM (DURING CONSTRUCTION)

PERIMETER EROSION CONTROL DEVICES (HAY BALES, SILT FENCES, AND TEMPORARY VEGETATIVE STABILIZATION MEASURES) ARE TO BE INSPECTED AFTER EACH SIGNIFICANT RAINFALL AND REPAIRED OR REPLACED AS NECESSARY TO FUNCTION AS ORIGINALLY INTENDED. IN GENERAL, DAILY INSPECTIONS BY THE INDIVIDUAL DESIGNATED AT THE PRE-CONSTRUCTION MEETING ARE TO BE MADE IN THE COURSE OF N-SITE CONSTRUCTION ACTIVITIES AND ANY NECESSARY REPAIRS ARE TO BE EFFECTIVE A LOG BOOK DETAILING THE DATE & TIME OF THE INSPECTIONS AS WELL AS CORRECTIVE MEASURES IMPLEMENTED SHALL BE KEPT ON SITE.

1. THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL SHALL GOVERN THE INSTALLATION AND REPAIR OF ALL EROSION CONTROL MEASURES. 2. ALL SEDIMENT COLLECTED AND/OR REMOVED FROM ANY OF THE STORMWATER MANAGEMENT CONTROL DEVICES WILL BE DISPOSED OF IN ACCORDANCE WITH THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION GUIDELINES GOVERNING SUCH ACTION. B. EACH AREA OF THE SITE, AS COMPLETED, WILL BE GRADED AND STABILIZED WITH PERMANENT VEGETATION IN ACCORDANCE WITH THE APPROVED SITE PLAN.

LONG TERM STORMWATER MAINTENANCE 1. ALL DRAINAGE SYSTEMS ON THE SITE ARE TO BE INSPECTED EVERY SIX MONTHS OR MORE FREQUENTLY AS CONDITIONS DICTATE. INSPECTIONS SHALL OCCUR AFTER EVERY MAJOR STORM IN THE FIRST FEW MONTHS AFTER CONSTRUCTION. INSPECTION WILL CONSIST OF THE FOLLOWING ITEMS AS A MINIMUM:

B. OUTLETS C. DETENTION / RETENTION BASIN

A. CATCH BASIN SUMPS

D. OUTLET STRUCTURES E. SURFACE SAND FILTER

2. LONG TERM MAINTENANCE IS INTENDED TO PREVENT TRANSPORT OF SEDIMENTS NTO THE DRAINAGE SYSTEM THROUGH ADHERENCE TO THE FOLLOWING

PROCEDURES: A. CATCH BASIN SUMPS ARE TO BE CLEANED WHEN THE LEVEL OF SEDIMENT THEREIN REACHES ONE FOOT BELOW THE INVERT OF THE EXIT PIPE. B. CATCH BASIN SUMPS AND RETENTION / DETENTION BASINS SHALL BE CLEANED OF ALL TO BE SWEPT PRIOR TO ANY RAIN EVENT TO PREVENT SEDIMENT ENTERING PUBLIC DRAINAGE SYSTEMS. THER DEBRIS SUCH AS PAPER, STICKS, LITTER, ETC. WHENEVER THESE ITEMS ARE FOUND. 3. ENGINEER TO FLAG THE LIMITS OF CLEARING. C. DOWNSTREAM AREAS ARE TO BE INSPECTED ANNUALLY FOR THE OCCURRENCE

OF EROSION SO THAT CORRECTIVE MEASURES MAY BE IMPLEMENTED. D. AREAS AROUND THE RETENTION BASIN SHOULD BE CHECKED ANNUALLY FOR INVASIVE SPECIES AND REMOVED IF FOUND.

E. FILTERING PRACTICES SHOULD BE INSPECTED AFTER EVERY MAJOR STORM IN THE FIRST FEW MONTHS FOLLOWING CONSTRUCTION. THE FILTER SHOULD BE INSPECTED AT LEAST 6 MONTHS THEREAFTER. INSPECTIONS SHOULD FOCUS ON: CHECK THE FILTER FOR STANDING WATER OR OTHER EVIDENCE OF CLOGGING

CHECK THE FOREBAY FOR SEDIMENT ACCUMULATION. TRASH AND DEBRIS CHECK INLETS, OUTLETS, AND OVERFLOW SPILLWAY FOR BLOCKAGE, STRUCTURAL

INTEGRITY, AND EVIDENCE OF EROSION. SEDIMENT SHOULD BE REMOVED FROM THE FOREBAY WHEN IT ACCUMULATES TO A DEPTH OF MORE THAN 12 INCHES OR 10 PERCENT

OF THE PRETREATMENT VOLUME. THE FOREBAY OUTLET DEVICES SHOULD BE CLEANED WHEN DRAWDOWN TIMES EXCEED 36 HOURS. SEDIMENT SHOULD BE REMOVED FROM THE FILTER BED WHEN THE ACCUMULATION EXCEEDS ONE INCH OR WHEN THERE IS EVIDENCE THAT THE INFILTRATION CAPACITY OF THE FILTER BED HAS BEEN SIGNIFICANTLY REDUCED.

TEMPORARY SEEDING PROCEDURES

1. INSTALL EROSION CONTROL MEASURES AS SHOWN ON PLANS. 2. GRADE SITE ACCORDING TO PLANS. SEED DISTURBED AREAS WITHIN 7 DAYS WHERE WORK IS EXPECTED TO BE MORE THAN 30 DAYS BUT LESS THAN

3. SEED ALL EXPOSED AREAS WITH THE FOLLOWING SEED MIXTURE: ANNUAL RYEGRASS .60 LBS/1000 SQ. FT.

.40 LB5/1000 5Q. FT. BUCKWHEAT 4. AFTER SEEDING, MULCH SHOULD BE APPLIED TO EXPOSED AREAS. STRAW AND HAY MULCHES REQUIRE ANCHORING. THIS MAY BE ACCOMPLISHED BY THE USE OF A MULCH ANCHORING TOOL, LIQUID MULCH BINDER, OR BY DRIVING TRACKED EQUIPMENT UP AND DOWN THE SLOPE KEEPING THE TRACK CLEATS PERPENDICULAR TO THE SLOPE. 5. WHERE VEGETATIVE COVER HAS NOT BEEN ESTABLISHED PRIOR TO OCTOBER 30 OR

WHEN CONSTRUCTION TAKES PLACE BETWEEN OCTOBER 1 AND APRIL 1. APPLY JUTE

MESH AS PER "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL". PERMANENT SEEDING PROCEDURES

1. REMOVE ALL STONES, STUMPS, ETC. FROM AREA PRIOR TO SEEDING. 2. PLACE TOPSOIL OVER ALL AREAS TO BE SEEDED TO A DEPTH OF 4" (MINIMUM). 3. APPLY FERTILIZER AND LIMESTONE AT THE FOLLOWING RATES: FERTILIZER 7.5 LBS/1000 SF

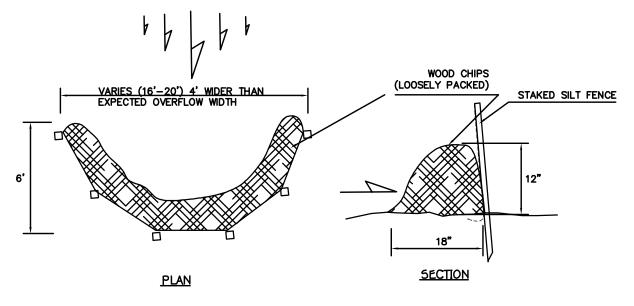
13.5 LBS/1000 SF LIMESTONE WORK LIME AND FERTILIZER INTO SOILS TO A DEPTH OF 4 INCHES. 4. SEED ALL EXPOSED AREAS WITH THE FOLLOWING SEED MIXTURE:

KENTUCKY BLUEGRASS 0.45 LBS/1000 SQ. FT. CREEPING RED FESCUE 0.45 LB5/1000 SQ. FT. 0.10 LB5/1000 SQ. FT. PERENNIAL RYEGRASS 5. AFTER SEEDING, MULCH SHOULD BE APPLIED TO EXPOSED AREAS. STRAW AND HAY

MULCHES REQUIRE ANCHORING. THIS MAY BE ACCOMPLISHED BY THE USE OF A MULCH ANCHORING TOOL, LIQUID MULCH BINDER, OR BY DRIVING TRACKED EQUIPMENT UP AND DOWN THE SLOPE KEEPING THE TRACK CLEATS PERPENDICULAR TO THE SLOPE. 6. WHERE VEGETATIVE COVER HAS NOT BEEN ESTABLISHED PRIOR TO OCTOBER 30 OR WHEN CONSTRUCTION TAKES PLACE BETWEEN OCTOBER 1 AND APRIL 1, APPLY JUTE

MESH AS PER "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL". ALL SEEDING MUST BE DONE BETWEEN APRIL 1 AND SEPTEMBER 30.

PRIOR TO THE INITIATION OF ANY WORK ON SITE, ALL SUBCONTRACTORS SHALL MEET AT THE WESTBROOK TOWN HALL WITH TOWN LAND USE OFFICIALS TO GAIN AN UNDERSTANDING OF THE SITE, FOLLOWING THE MEETING THERE SHALL BE A SITE WALK. THE CONTRACTORS SHALL ALSO PROVIDE CONTACT INFORMATION TO LAND USE OFFICIALS AND DESIGNATE THE INDIVIDUAL RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURES.



DETENTION POND OVERFLOW TEMPORARY SEDIMENTATION TRAP (NOT TO SCALE)

THE FOLLOWING INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR AT THE TIME OF THE MEETING:

- 1. CURRENT PLANS OF EACH ITEM OR TASK TO BE COMPLETED BY THE
- COPIES OF TOWN APPROVALS. 3. ANY OTHER INFORMATION NECESSARY TO INFORM THE CONTRACTOR
- OF HIS RESPONSIBILITIES. 4. CONTACT PERSONS AND TELEPHONE NUMBERS TO CALL FOR INSTRUCTIONS IN CASE OF QUESTIONS OR PROBLEMS.

GENERAL SEDIMENTATION AND EROSION CONTROL MEASURES

- 1. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE PROVIDED IN ACCORDANCE WITH THE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION DATED MAY 2002 AND IN ACCORDANCE WITH THESE PLANS.

 2. MAINTENANCE OF EROSION CONTROL MEASURES FOR CONSTRUCTION OF ALL ROADS.
- DRAINAGE FACILITIES AND MAJOR SITE WORK SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR HIS ASSIGNS. 3. ALL EROSION CONTROL BARRIERS WILL BE INSPECTED BY THE TOWN AND ADDITIONAL
- MEASURES SHALL BE INSTALLED DURING CONSTRUCTION IF DEEMED NECESSARY BY THE TOWN OR ITS AUTHORIZED AGENT. 4. ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION WHENEVER POSSIBLE.
- 5. LIMITS OF DISTURBANCE OF NATURAL GROUND COVER FOR ALL SITE IMPROVEMENTS IS TO BE KEPT TO AN ABSOLUTE MINIMUM DURING CONSTRUCTION. 6. EROSION CONTROL BARRIERS ARE TO BE PLACED DOWNHILL OF ALL CONSTRUCTION IN
- ACCORDANCE WITH THESE PLANS.

 7. DEVELOPER WILL MAINTAIN A 100-FOOT ROLL OF SILT FENCE AND 20 HAY BALES ON SITE FOR ANY EMERGENCIES OR REPAIRS. 8. EROSION AND SEDIMENTATION BARRIERS SHALL BE MAINTAINED UNTIL VEGETATION COVER IS ESTABLISHED. ALL DISTURBED AREAS REQUIRING REVEGETATION SHALL BE
- GRADED, LOAMED AND SEEDED AT THE EARLIEST POSSIBLE TIME TO PREVENT EROSION 9. THE SITE SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAIN TO ENSURE THAT ALL SEDIMENTATION AND EROSION CONTROL MEASURES ARE STILL WORKING PROPERLY.

ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY. SEDIMENTATION & EROSION CONTROL NARRATIVE THIS PROJECT INCLUDES THE CONSTRUCTION OF APPROXIMATELY 107,000 S.F. OF NEW BUILDINGS AND ASSOCIATED DRAINAGE & PARKING FACILITIES. DEVELOPMENT IS PROPOSED ON AN 06 ACRE INDUSTRIALLY ZONED SITE CONTAINING MULTIPLE EXISTING INDUSTRIAL BUILDINGS. OVERHEAD ELECTRICAL SERVICE,

WATER SUPPLY AND GAS WILL BE INSTALLED IN THE DRIVEWAY. ANY UNSUITABLE EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE. EXCESS MATERIAL USEABLE FOR FUTURE DEVELOPMENT SHALL BE STOCKPILED IN AREAS SHOWN ON THE SITE DEVELOPMENT PLAN.

OVERALL CONSTRUCTION SEQUENCE PRIOR TO COMMENCING CONSTRUCTION, CONTACT TOWN LAND USE DEPARTMENT FOR PRE-CONSTRUCTION MEETING ON SITE. DURING CONSTRUCTION, TOWN INSPECTOR TO BE NOTIFIED 40

HOURS PRIOR TO COMMENCEMENT OF WORK ON EACH ITEM BELOW AND BEFORE INSPECTIONS ARE . INSTALL CONSTRUCTION ENTRANCES AS SHOWN ON ANTI-TRACKING APRON DETAIL. WHENEVER SEDIMENT ACCUMULATES ON ANTI-TRACKING APRON, APRON TO BE REPAIRED TO CLEAN CONDITION TO

PREVENT TRACKING OF MATERIALS ONTO PUBLIC ROAD. ANY MATERIALS TRACKED ON A PUBLIC ROAD ARE

4. INSTALL SILT FENCE SEDIMENT BARRIERS AS SHOWN ON PLAN IN ACCORDANCE WITH DETAILS. SILT FENCE IS TO BE CLEANED AND MAINTAINED WHENEVER SEDIMENT EXCEEDS 1/3 THE HEIGHT OF THE SILT FENCE AND AFTER EACH RAIN. WHEREVER SILT FENCE HAS FAILED, OR WHERE SILT EXCEEDS 1/3 THE HEIGHT OF THE SILT FENCE, REMOVE ACCUMULATED SEDIMENT AND REPAIR SILT FENCE IN ACCORDANCE WITH DETAIL. IF INSTRUCTED BY ENGINEER OR TOWN REPRESENTATIVE, INSTALL SECOND ROW OF SILT FENCE UPHILL OR DOWNHILL OF PRIMARY SILT FENCE AS INSTRUCTED AND BACK UP WITH WOOD CHIPS IF

5. EXCAVATE TEMPORARY SEDIMENTATION BASINS IN LOCATIONS SHOWN ON PLAN OR IN OTHER AREAS WHEN DIRECTED BY TOWN INSPECTOR OR ENGINEER. SEDIMENTATION BASIN OUTLETS TO BE CONSTRUCTED IN ACCORDANCE WITH DETAILS. ADDITIONAL SEDIMENT BASINS SHOULD BE SIZED FOR A MINIMUM OF 134 CUBIC YARDS PER ACRE OF DISTURBED AREA WITHIN THE RESPECTIVE DRAINAGE BASIN. SEDIMENT EXCAVATED FROM THE BASIN SHALL BE STOCKPILED IN DESIGNATED STOCKPILE AREAS. ALL ACCUMULATED SEDIMENT IN BASINS TO BE REMOVED AFTER STORM EVENTS TO PRESERVE THE VOLUME OF THE SEDIMENT SASIN FOR FUTURE STORM EVENTS. STABILIZE TOP AND EXTERIOR OF BASINS IMMEDIATELY FOLLOWING . STRIP AND STOCKPILE TOP SOIL. ROUGH GRADE SITE. STOCKPILE SOIL IN AREAS DESIGNATED ON

7. EXCAVATE AND INSTALL BUILDING FOUNDATION.

OVERALL CONSTRUCTION SEQUENCE (CONTINUED) 8. ALL STOCKPILED EARTH MATERIALS TO HAVE DOUBLE ROW OF SILT FENCE ENCIRCLING THE STOCKPILE, EXCEPT THAT SILT FENCE ON THE UPHILL SIDE MAY BE ELIMINATED IF THE SLOPE IS SUFFICIENT TO PREVENT EROSION AROUND THE SILT FENCE. 9. INSTALL CATCH BASINS AND STORM DRAINAGE PIPE STARTING AT THE FURTHEST DOWNSTREAM POINT AND PROCEED UPHILL. KEEP FLOW OUT OF DRAINAGE SYSTEM DURING CONSTRUCTION. INSTALL OTHER UNDERGROUND UTILITIES SUCH AS SEPTIC TANKS AND WATER LINES.

INSPECT/MAINTAIN/REPAIR SEDIMENTATION AND EROSION CONTROL MEASURES. . PLACE BASE MATERIAL FOR PAVED AREAS IN ACCORDANCE WITH GRADING PLANS. ANY SLOPES EXCEEDING TWO HORIZONTAL TO ONE VERTICAL, AS WELL AS ANY LOCATIONS INDICATED BY THE TOWN'S REPRESENTATIVE, SHALL HAVE ADDITIONAL SILT FENCE PLACED TO PREVENT EXCESSIVE EROSION. 13. PLACE PROCESSED GRAVEL AND BRING TO FINISH GRADE ALL AREAS. 4. FINISH GRADE AND SEED ANY REMAINING DISTURBED AREAS.

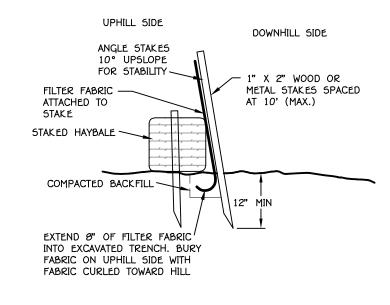
15. EXCESS SOIL SHALL BE STOCKPILED IN A LOCATION DEPICTED ON THE 5&E PLAN OR WHERE INDICATED BY THE TOWN'S REPRESENTATIVE, EXCEPT THAT NO STOCKPILING SHALL TAKE PLACE LESS THAN 100' FROM INLAND WETLANDS WITHOUT THE APPROVAL OF THE COMMISSION. 16. WHERE VEGETATION CANNOT BE ESTABLISHED IMMEDIATELY, AS PER THE PRECEDING TWO OPERATIONS PLACE JUTE MESH OR AN EROSION CONTROL BLANKET ON EXPOSED SLOPES TO PREVENT EROSION. JUTE MESH OR EROSION CONTROL BLANKET TO BE PROVIDED IN ALL AREAS WHERE EXPOSED AREAS WILL NOT BE VEGETATED PRIOR TO SEPTEMBER 15TH, AND WILL REMAIN OPEN THROUGHOUT THE WINTER. 7. IT IS ANTICIPATED THAT CONSTRUCTION WILL CONTINUE WITH THE FOLLOWING TIMETABLE, BEGIN SPRING 2012. FINISH EARLY FALL 2013.

EROSION CONTROL PLACEMENT AND REMOVAL-

IN ADDITION TO THE MEASURES SPECIFIED ABOVE, ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED BY THE TOWN'S REPRESENTATIVE WILL BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. ALL INSTALLED CONTROLS SHALL BE MAINTAINED IN ACCORDANCE WITH THESE NOTES AND THE DETAILS SHOWN HEREON, AND SHALL BE CLEANED OR REPAIRED WHEN NECESSARY AFTER EACH STORM OR AS DIRECTED BY THE ENGINEER. CERTIFIED E&S INSPECTOR, OR TOWN'S REPRESENTATIVE. ANY ACCUMULATED SEDIMENT REMOVED FROM IN OR AROUND ANY CONTROL TO BE STOCKPILED IN AN APPROVED AREA, WITH THE STOCKPILE TO BE SURROUNDED WITH TWO ROWS OF SILT FENCE AS PER THE

AREAS WHERE EROSION CONTROL MEASURES HAVE BEEN REMOVED AND WHICH BECOME DISTURBED AS A RESULT OF THE REMOVAL, SHALL BE STABILIZED USING THE MEASURES APPROPRIATE TO VEGETATIVE COVER IN THAT LOCATION. ANTI-TRACKING APRONS - ANTI-TRACKING APRONS NEED NOT BE REMOVED, BUT SHALL REMAIN IN PLACE UNTIL PROCESSED GRAVEL IS PLACED ON THE ROAD SURFACE. PROCESSED GRAVEL IN THE AREA OF THE ANTI-TRACKING APRON SHALL BE OF THE QUALITY SUFFICIENT TO PREVENT TRACKING OF MATERIALS ONTO THE ADJACENT PUBLIC ROAD.

DUST CONTROL- WATER SHALL BE APPLIED BY TANK TRUCK TO EXPOSED AREAS ON PROPOSED ROADS AS NECESSARY. NO CALCIUM CHLORIDE SHALL BE APPLIED.

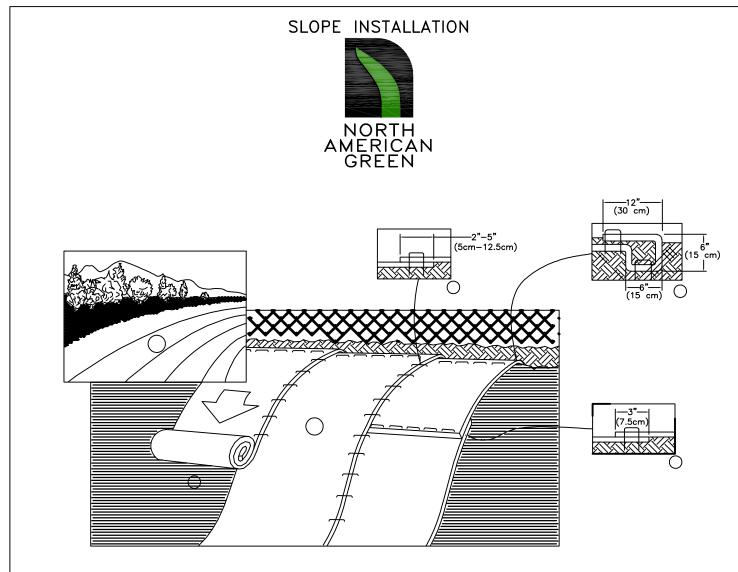


SILT FENCE WITH HAYBALE DETAIL

(NOT TO SCALE)

FLOW DIRECTION <u>SILT FENCE WITH WINGS DETAIL</u> NOTE: WHEN THE CONTOUR CAN NOT BE FOLLOWED INSTALL THE SILT FENCE SUCH THAT PERPENDICULAR WINGS ARE CREATED TO THE VELOCITY OF WATER FLOWING ALONG THE FENCE SPACING REQUIREMENTS ARE AS FOLLOWS: WING SPACING

CONTOUR LINES



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN. REGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP—SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH.

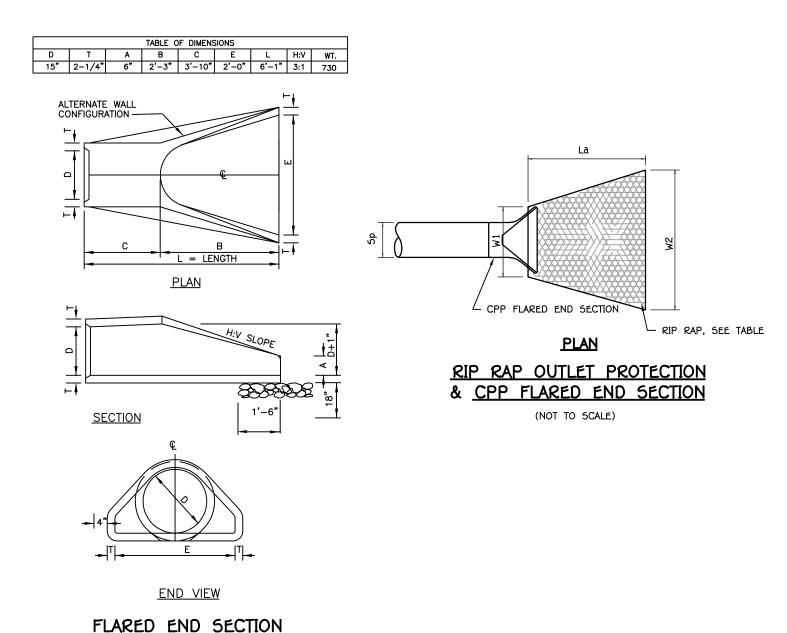
 BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN. . THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH™ON THE PREVIOUSLY INSTALLED BLANKET.
- CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE

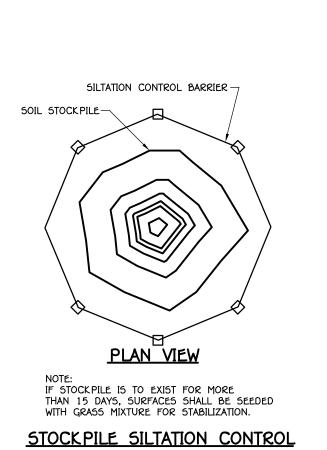
**IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

14649 HIGHWAY 41 NORTH, EVANSVILLE, INDIANA 47725 USA 1-800-772-2040 CANADA 1-800-448-2040

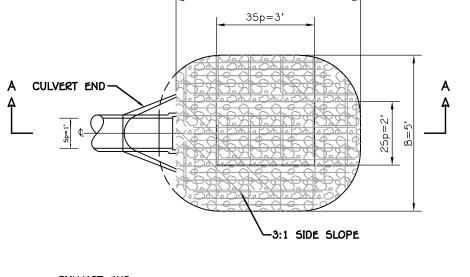
EROSION CONTROL BLANKET DETAIL

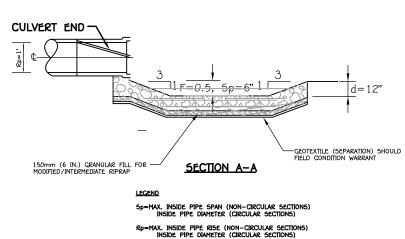
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(NOT TO SCALE)

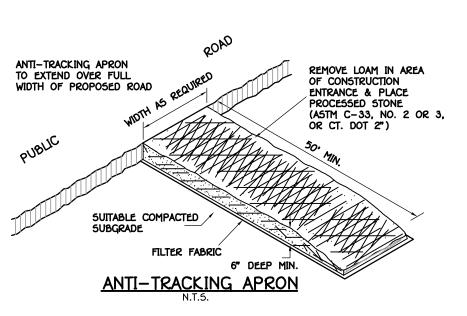


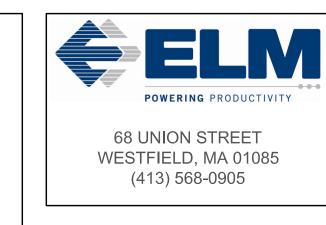


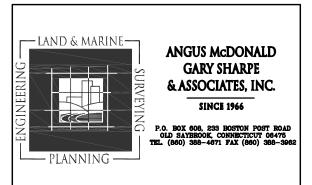
d=300mm (12 IN.) MODIFIED RIPRAP

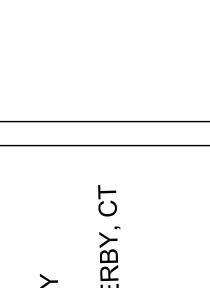
TYPE 1 F=0.5 Rp

TYPE I PREFORMED SCOUR HOLE

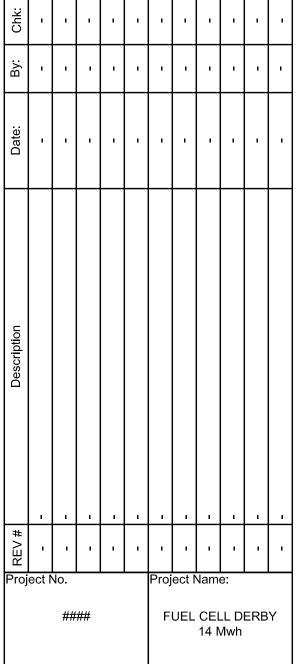








DERB



DETAILS

C-300

SCALE: 1" = 20'

3/30/2020 12:14 PM

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