



March 25, 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 17, 2020, enclosed on behalf of Derby Fuel Cell, LLC (the "Company") is an electronic copy of the Company's responses to the Council's questions 1-4 in the above-referenced matter.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Jennifer D. Arasimowicz".

Jennifer D. Arasimowicz
Executive Vice President, General Counsel, Chief
Administrative Officer and Corporate Secretary

Enclosures

c: Service list

Interrogatory CSC-1

Derby Fuel Cell, LLC

Witness: Bob Kent

Petition No. 1372

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Q-CSC-1: 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 provide the final site plan with associated information in accordance with Condition 1a.

A-CSC-1: **The final site plans (referenced as Appendix D) were inadvertently omitted. FuelCell Energy, Inc. ("FCE") regrets this oversight and they are enclosed herewith.**

Interrogatory CSC-2

Derby Fuel Cell, LLC

Witness: Bob Kent

Petition No. 1372

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- Q-CSC-2: Condition 1b of the Council's Declaratory Ruling requires that the D&M Plan include "Plans for gravel base (or as applicable) to support any necessary cranes during construction." Please provide such information.
- A-CSC-2: **The site base will have sandy gravel/gravel that has a load-bearing pressure capacity of 5,000 lbs. per square foot (per CABO One- and Two- Family Dwelling Code; 1995). On an as-needed basis, wooden mats may be placed under steel plates to further distribute the load.**

Interrogatory CSC-3

Derby Fuel Cell, LLC

Witness: Bob Kent

Petition No. 1372

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Q-CSC-3: In response to Council interrogatory 9c dated June 28, 2019, Derby Fuel Cell, LLC (DFC) indicated that the 100-year (or 1% annual occurrence) flood elevation is 25 feet. On page 3 of the D&M Plan, DFC indicates that it is 26 feet. Which is correct? Is the 500-year flood elevation still approximately 33.5 feet?

A-CSC-3: Per the Federal Emergency Management Agency map (Appendix A; Map Number 09009C0403H) and the 100-year flood zone, the flood elevation level is 26 feet near the Shelton/Derby dam, decreasing in a southerly direction to 25 feet across the property. Thus, FCE hereby calculates that the flood level at the project site is 25.5 feet and confirms that the 500-year flood plain is approximately 33.5 feet. FCE also notes that the proposed Top-of-Curb elevation would be 30 feet, which is 4.5-feet above the Base Flood Elevation.

Interrogatory CSC-4

Derby Fuel Cell, LLC

Witness: Bob Kent

Petition No. 1372

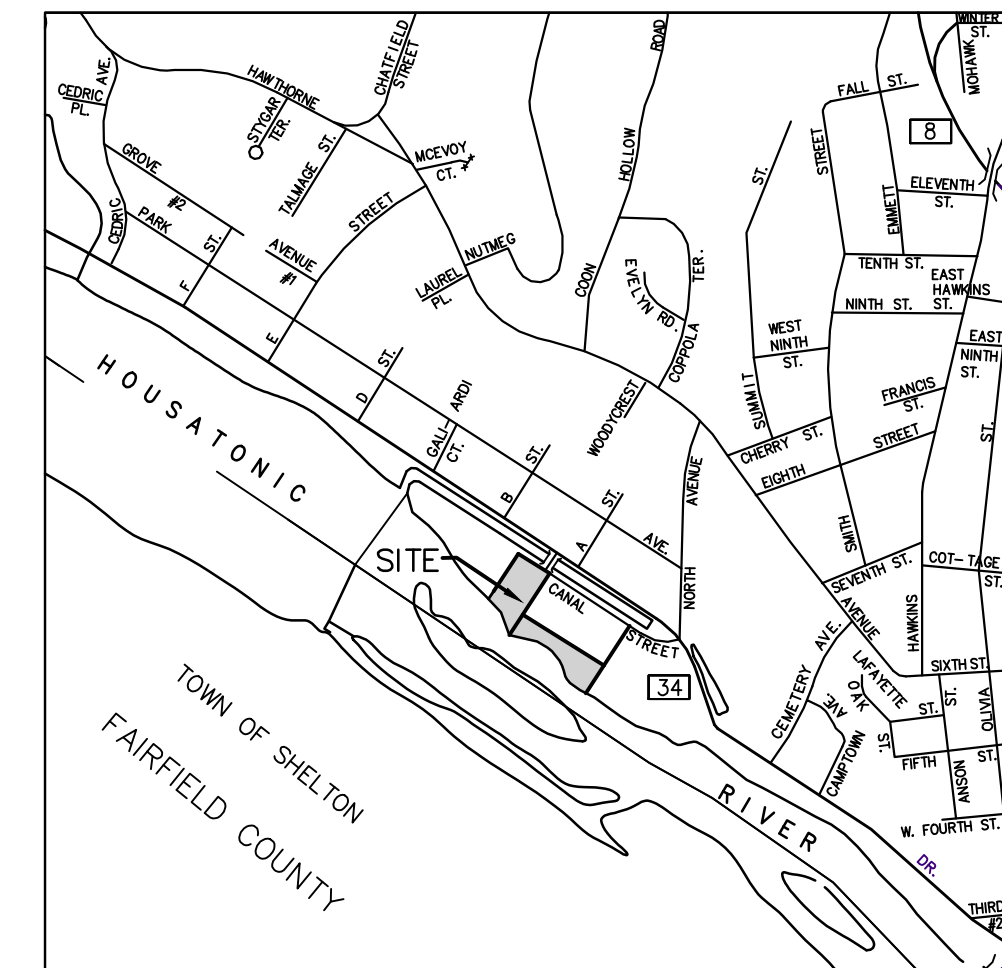
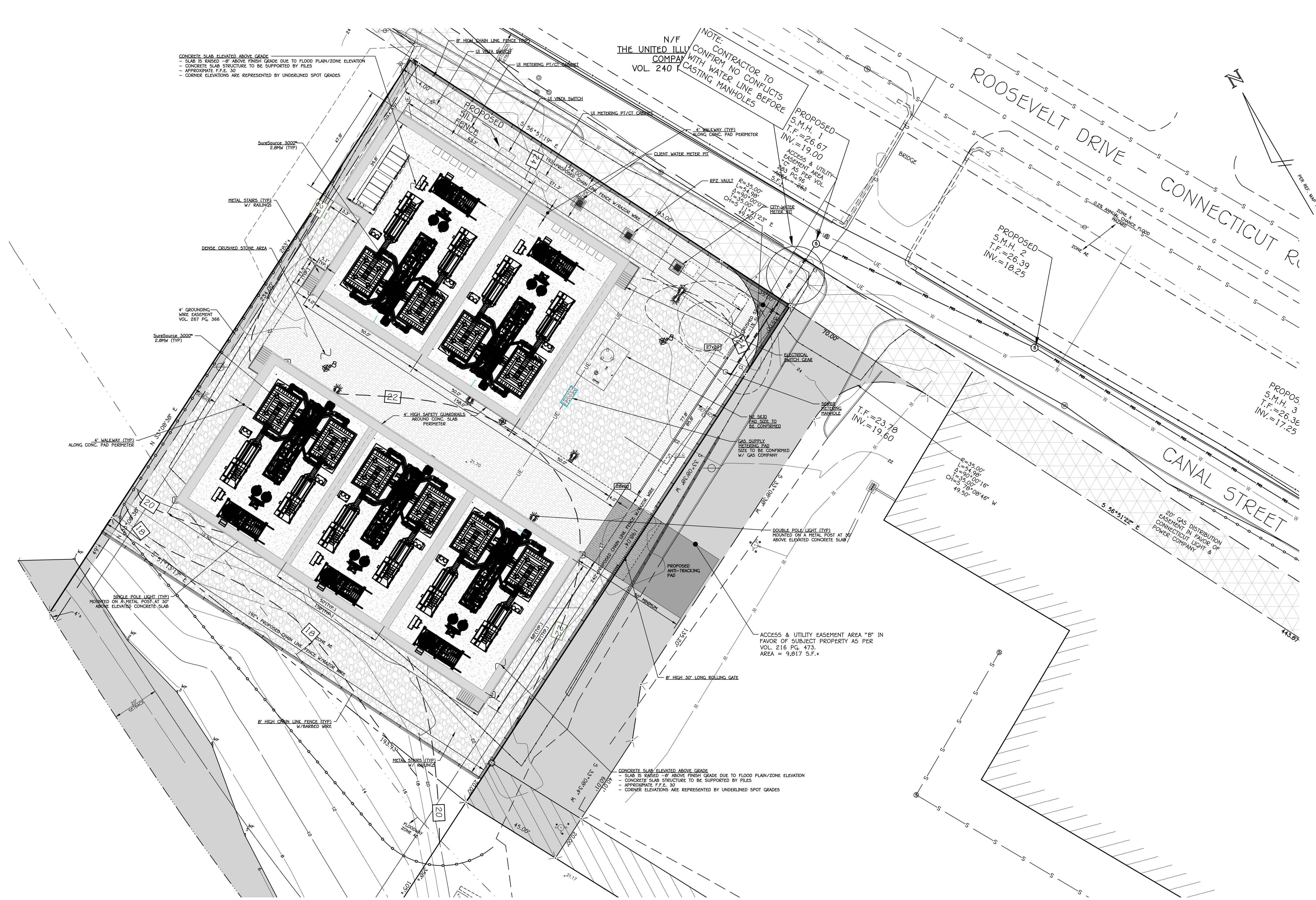
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Q-CSC-4: Approximately when does DFC plan to commence construction? Approximately when would construction be completed?

A-CSC-4: **Start of construction is estimated to be May, 2020, subject to any changes as may be necessitated by the impacts of the novel coronavirus (COVID-19) outbreak. Assuming commencement of construction in May, 2020 and no material schedule impacts or delays, completion of construction is estimated to be May, 2021.**

CONCRETE SLAB ELEVATED ABOVE GRADE
 - SLAB IS RASSED UP ABOVE FINISH GRADE DUE TO FLOOD PLAIN/ZONE ELEVATION
 - CONCRETE SLAB STRUCTURE TO BE SUPPORTED BY PILES
 - APPROXIMATE F.F.E. 30
 - CORNER ELEVATIONS ARE REPRESENTED BY UNDERLINED SPOT GRADES

N/F THE UNITED ILLU COMPANY VOL. 240
 NOTE: CONTRACTOR TO CONFIRM NO CONFLICTS WITH WATER LINE BEFORE CASTING MANHOLES



LOCATION MAP
 SCALE: 1" = 1000'

- NOTES:
- REFERENCE IS MADE TO THE FOLLOWING MAPS:
 - RIGHT OF WAY SURVEY, MAP SHOWING EASEMENT ACQUIRED FROM, DERBY CELLULAR Z PRODUCTS, INC., BY THE CITY OF DERBY, FOR THE PLAN, FOR THE BRIDGE OVER DERBY CANAL, SCALE: 1:250 METERS, DATE: JULY 2003, BY: MILONE & MacBROOM.
 - PROPERTY & TOPOGRAPHIC MAP OF HOUSATONIC INDUSTRIAL PARK, LAND NOW OR FORMERLY, THE CONNECTICUT DEVELOPMENT AUTHORITY, ROOSEVELT DRIVE, DERBY, CONNECTICUT, SCALE: 1"=20', DATE: 6/8/03, BY: DECARLO & DOLL.
 - SURVEY PREPARED FOR, VANITA ASSOCIATES, INC., 200 ROOSEVELT DRIVE, DERBY, CONNECTICUT, SCALE: 1"=40', DATE: DECEMBER 19, 1990, BY: E.G. SHELTON & ASSOCIATES
 - THE SHELTON CANAL COMPANY, BERLIN, CONN., PLAN SHOWING LAND AND EASEMENT TO BE CONVEYED TO THE CITY OF DERBY, AND EASEMENT AREA TO BE RESERVED, SCALE: 1"=50', DATE: APRIL 22, 1986, REVISED THRU: 3/19/87, BY: NORTHEAST UTILITIES SERVICE COMPANY, SYSTEM REAL ESTATE DEPARTMENT.
 - MAP SHOWING LAND TO BE CONVEYED TO, THE UNITED ILLUMINATING COMPANY, BY THE SHELTON CANAL COMPANY, CANAL STREET, DERBY, CONNECTICUT, SCALE: 1"=20', DATE: JUNE 22, 1992, BY: GORDON BELIDES, P.E. & L.S.
 - B.F. GOODRICH CO., DERBY, CONN., SCALE: 1"=40', DATE: JULY 14, 1975, REVISED THRU: OCT. 27, 1978, BY: NOWAKOWSKI & O'BRYMACHOW
 - THE VICTORY TEXTILE PRINTING CORPORATION, DERBY, CONN., SCALE: 1"=40', DATE: NOVEMBER 15, 1972, REVISED THRU: OCT. 25, 1974, BY: NOWAKOWSKI & O'BRYMACHOW
 - FOR SUBJECT PROPERTY, REFERENCE IS MADE TO THE FOLLOWING DEED ON FILE IN THE TOWN OF DERBY LAND RECORDS AS VOL. 596 PG. 316 AND LISTED ON ASSESSOR'S MAP 9, BLOCK 4 AS LOTS 3B & 4B
 - FLOOD HAZARD ZONE BOUNDARIES SHOWN HEREON TAKEN FROM FEMA FLOOD INSURANCE RATE MAP, NEW HAVEN COUNTY, CONNECTICUT, MAP NUMBER 0901C0309F, EFFECTIVE DATE: JUNE 18, 2010
 - THE STONEWALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES OF COURSE BETWEEN PRINCIPAL POINTS OF COURSE INDICATED.
 - CONTOURS AND SPOT ELEVATIONS SHOWN HEREON TAKEN BY FIELD SURVEY AND BASED ON
 - CALL BEFORE YOU DIG (1-800-922-4455) SHALL BE CONTACTED PRIOR TO PROJECT INITIATION.
 - DESIGN ENGINEER/LAND SURVEYOR TO SET A STABLE BENCHMARK AND STAKE & OFFSET SEPTIC SYSTEM PRIOR TO INSTALLATION. INSTALLER TO NOTIFY ENGINEER (3) BUSINESS DAYS BEFORE INSTALLATION.
 - DESIGN ENGINEER/LAND SURVEYOR TO CONDUCT AN AS-BUILT SURVEY OF THE SEPTIC SYSTEM PRIOR TO BACKFILL. INSTALLER TO NOTIFY ENGINEER (3) BUSINESS DAYS BEFORE SYSTEM COMPLETION.

- LEGEND
- UTILITY POLE
 - EXISTING CONTOURS
 - EXISTING SPOT ELEVATION
 - PROPOSED SPOT ELEVATION
 - PROPOSED CONTOUR
 - BCLC BITUMINOUS CONCRETE LIP CURBING
 - W.S.O. WATER SHUTOFF
 - W.G. WATER GATE
 - PR5 PROPOSED SEWER LINE
 - S EXISTING SEWER LINE
 - G EXISTING GAS LINE
 - UE EXISTING UNDERGROUND ELECTRIC
 - W EXISTING WATER LINE

NOTE
 ANY MODIFICATIONS TO THE LOCATION OR ELEVATION OF THE SEPTIC SYSTEM COMPONENTS SHOWN HEREON (INCLUDING CURTAIN DRAINS IF SHOWN) ARE SUBJECT TO THE WRITTEN APPROVAL OF THE DESIGN ENGINEER. THE DESIGN ENGINEER WILL NOT BE RESPONSIBLE FOR ANY CHANGES MADE WITHOUT SUCH WRITTEN APPROVAL.

STUART J. FAIRBANK
 CONN. P.E. #20206

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LAND & MARINE
 SURVEYING
 ENGINEERING
 PLANNING

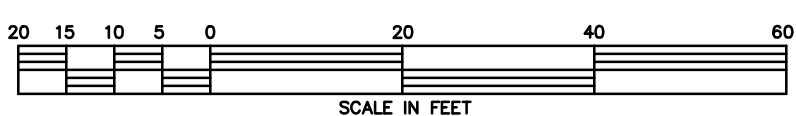
ANGUS McDONALD
 GARY SHARPE
 & ASSOCIATES, INC.
 SINCE 1966

P.O. BOX 608, 233 BOSTON POST ROAD
 OLD SAYBROOK, CONNECTICUT 06475
 TEL. (860) 388-4471 FAX (860) 388-3882

SEDIMENTATION AND EROSION CONTROL PLAN

SITE DEVELOPMENT PLAN
 PROPERTY OF
 I.D.A. PROPERTIES, LLC
 CANAL STREET
 DERBY, CONNECTICUT

DATE: JANUARY 28, 2020 SCALE: 1"=20'
 DR'N DO'D CK'D APP'D
 SHEET 2 of 3 JOB NO. 186391
 REVISIONS:



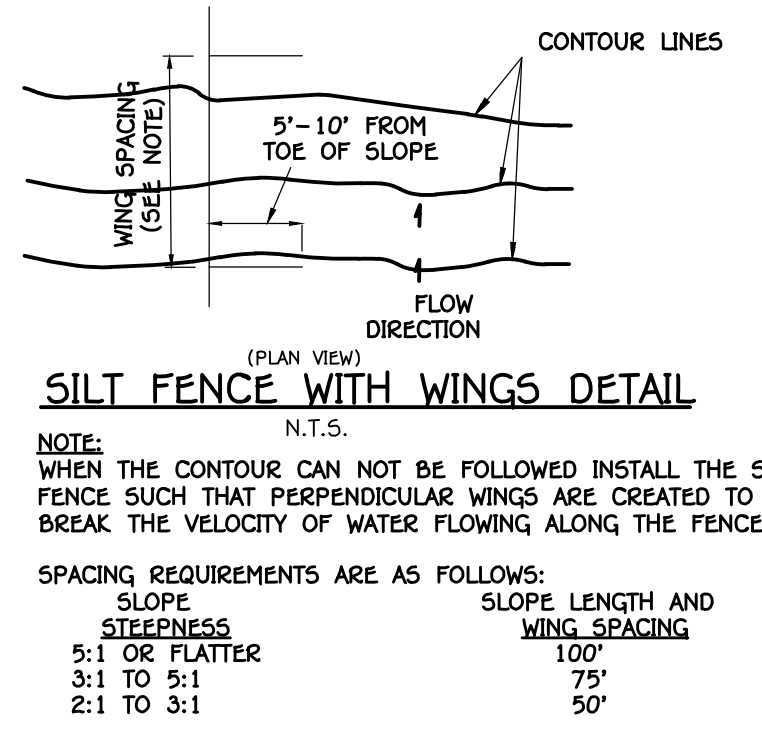
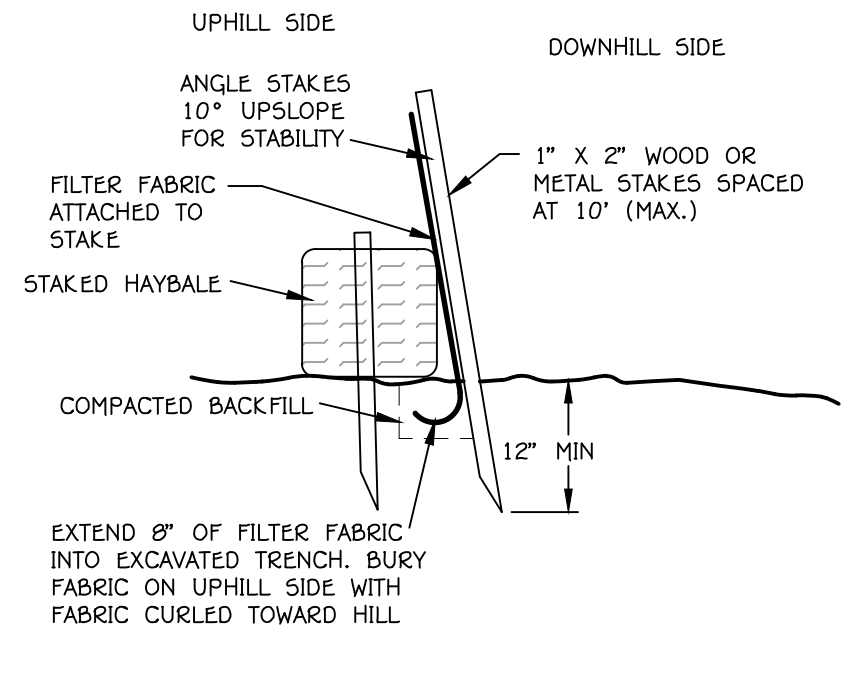
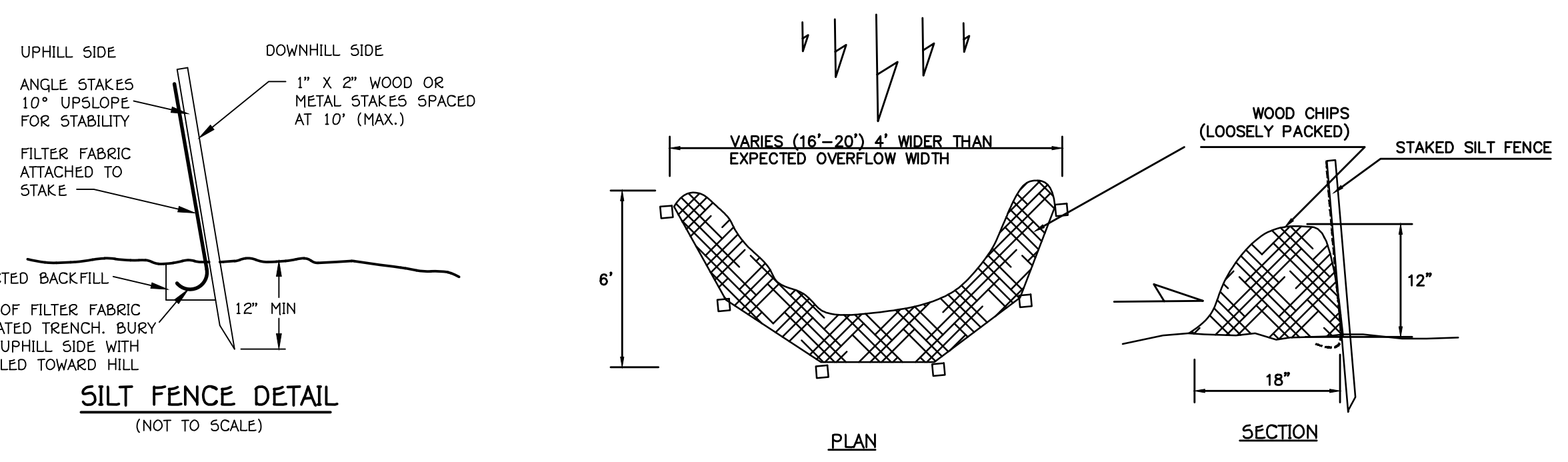
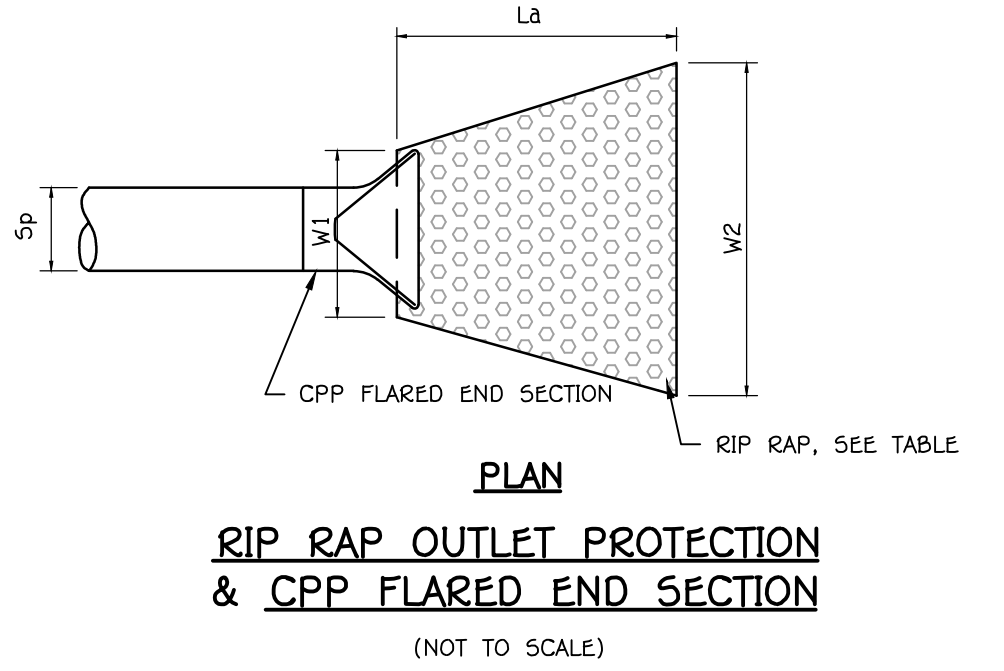
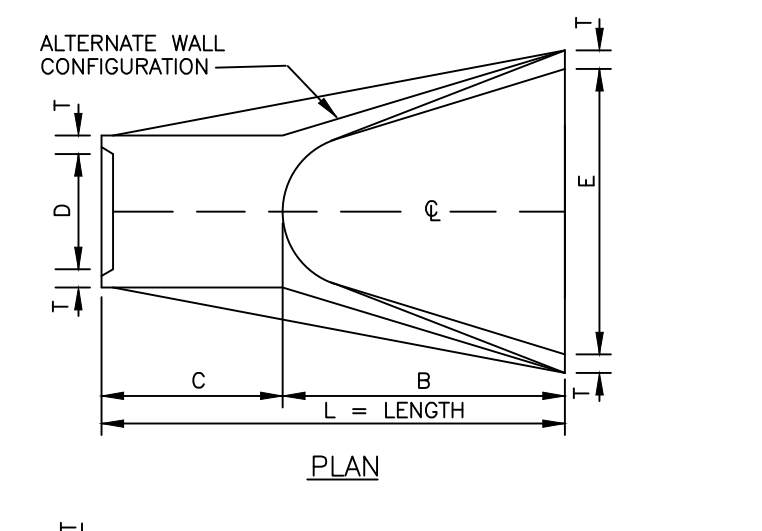


TABLE OF DIMENSIONS								
D	T	A	B	C	E	L	HV	WT.
15"	2'-1/4"	6"	2'-3"	3'-10"	2'-0"	6'-1"	3:1	730



SEDIMENTATION AND EROSION CONTROL MEASURES

1. CLEAR TREES, BRUSH FROM AREA TO BE GRADED.
2. INSTALL SILT FENCE EROSION BARRIER (SEE PLAN).
3. 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 LBS/1000 SQ. FT.
 CREEPING RED FESCUE 2.25 LBS/1000 SQ. FT.
 PERENNIAL RYEGRASS .50 LBS/1000 SQ. FT.
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 ON-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.
 3. 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:
 A. CATCH BASIN SUMPS
 B. OUTLETS
 C. DETENTION / RETENTION BASIN
 D. OUTLET STRUCTURES
 E. SURFACE SAND FILTER
 2. LONG TERM MAINTENANCE IS INTENDED TO PREVENT TRANSPORT OF SEDIMENTS INTO 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 OTHER DEBRIS SUCH AS PAPER, STICKS, LITTER, ETC. WHENEVER THESE ITEMS ARE FOUND.
 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.

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 CONTRACTOR.
2. 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 PROBLEMS.
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 86 ACRE INDUSTRIALLY ZONED SITE CONTAINING MULTIPLE EXISTING INDUSTRIAL BUILDINGS, OVERHEAD ELECTRICAL SERVICE, WATER SUPPLY AND GAS WILL BE INSTALLED IN THE DRIVEWAY.

NOTE:
 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

1. PRIOR TO COMMENCING CONSTRUCTION, CONTACT TOWN LAND USE DEPARTMENT FOR PRE-CONSTRUCTION MEETING ON SITE. DURING CONSTRUCTION, TOWN INSPECTOR TO BE NOTIFIED 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON EACH ITEM BELOW AND BEFORE INSPECTIONS ARE DESIRED.
2. 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 TO BE SWEEPED PRIOR TO ANY RAIN EVENT TO PREVENT SEDIMENT ENTERING PUBLIC DRAINAGE SYSTEMS.
3. ENGINEER TO FLAG THE LIMITS OF CLEARING.
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. 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 AVAILABLE ON-SITE.
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 ACCUMULATED IN BASINS TO BE REMOVED AFTER STORM EVENTS TO PRESERVE THE VOLUME OF THE SEDIMENT BASIN FOR FUTURE STORM EVENTS. STABILIZE TOP AND EXTERIOR OF BASINS IMMEDIATELY FOLLOWING BASIN FORMATION BY SEEDING.
6. STRIP AND STOCKPILE TOP SOIL. ROUGH GRADE SITE. STOCKPILE SOIL IN AREAS DESIGNATED ON THE PLAN.
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.
10. INSTALL OTHER UNDERGROUND UTILITIES SUCH AS SEPTIC TANKS AND WATER LINES.
11. INSPECT/MAINTAIN/REPAIR SEDIMENTATION AND EROSION CONTROL MEASURES.
12. 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.
14. FINISH GRADE AND SEED ANY REMAINING DISTURBED AREAS.
15. EXCAVATE SOIL STOCKPILES IN A LOCATION DESIGNATED ON THE S&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.
17. IT IS ANTICIPATED THAT CONSTRUCTION WILL CONTINUE WITH THE FOLLOWING TIMETABLE, BEGIN SPRING 2012, FINISH EARLY FALL 2013.

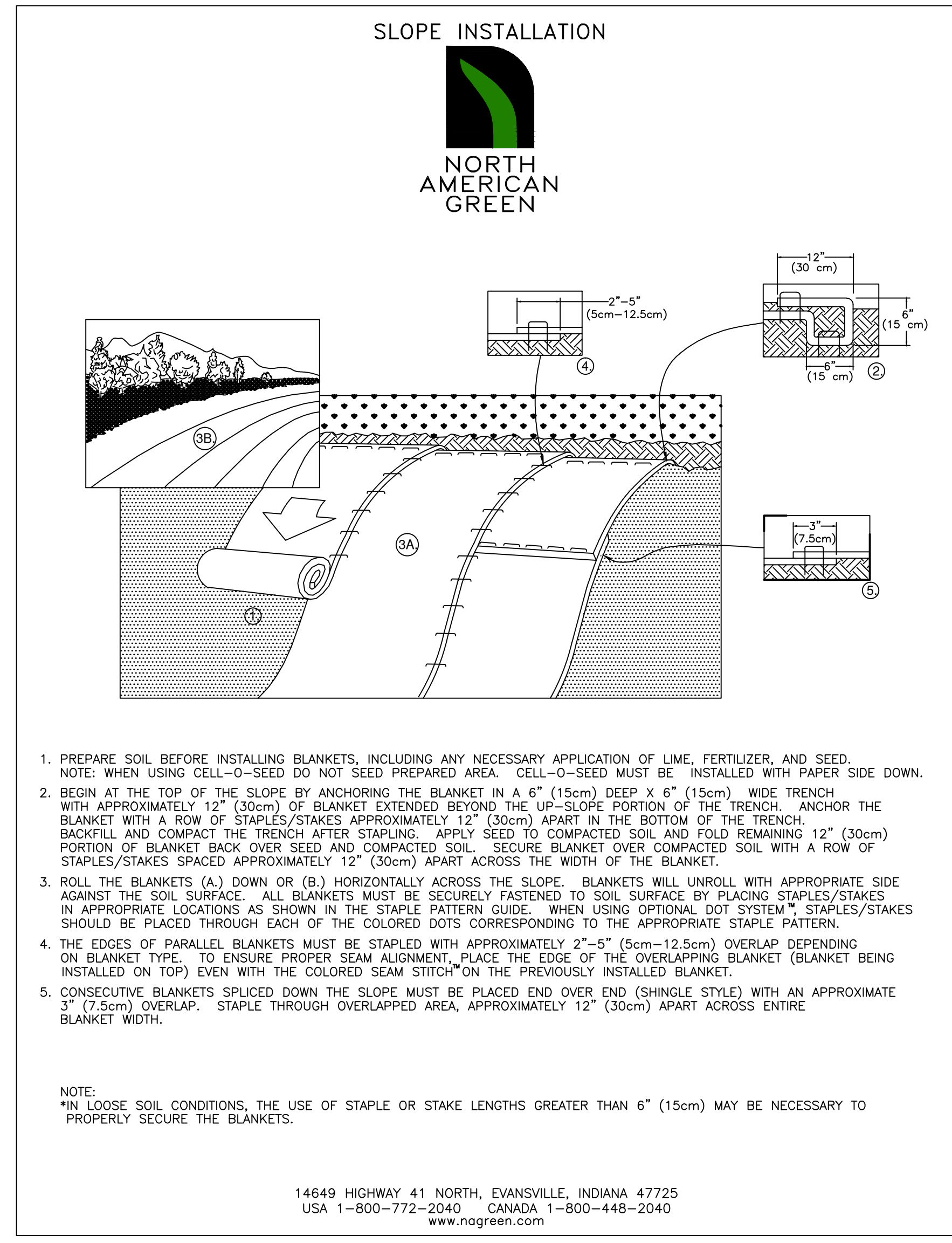
EROSION CONTROL PLACEMENT AND REMOVAL-

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 STOCKPILE DETAIL.

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.



EROSION CONTROL BLANKET DETAIL (NOT TO SCALE)

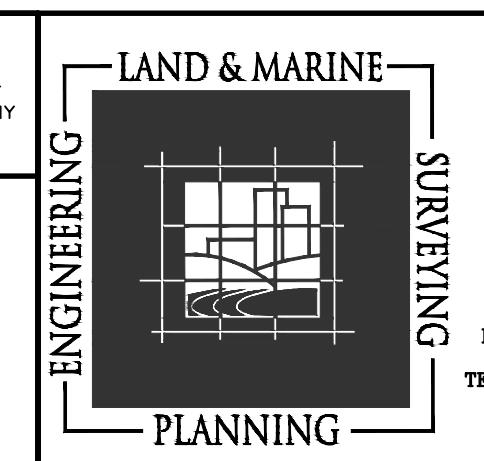
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-0-SEED DO NOT SEED PREPARED AREA. CELL-0-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (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.
3. 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.
4. 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.
5. 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 BLANKET WIDTH.

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

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STUART J. FAIRBANK
 CONN. P.E. #20206

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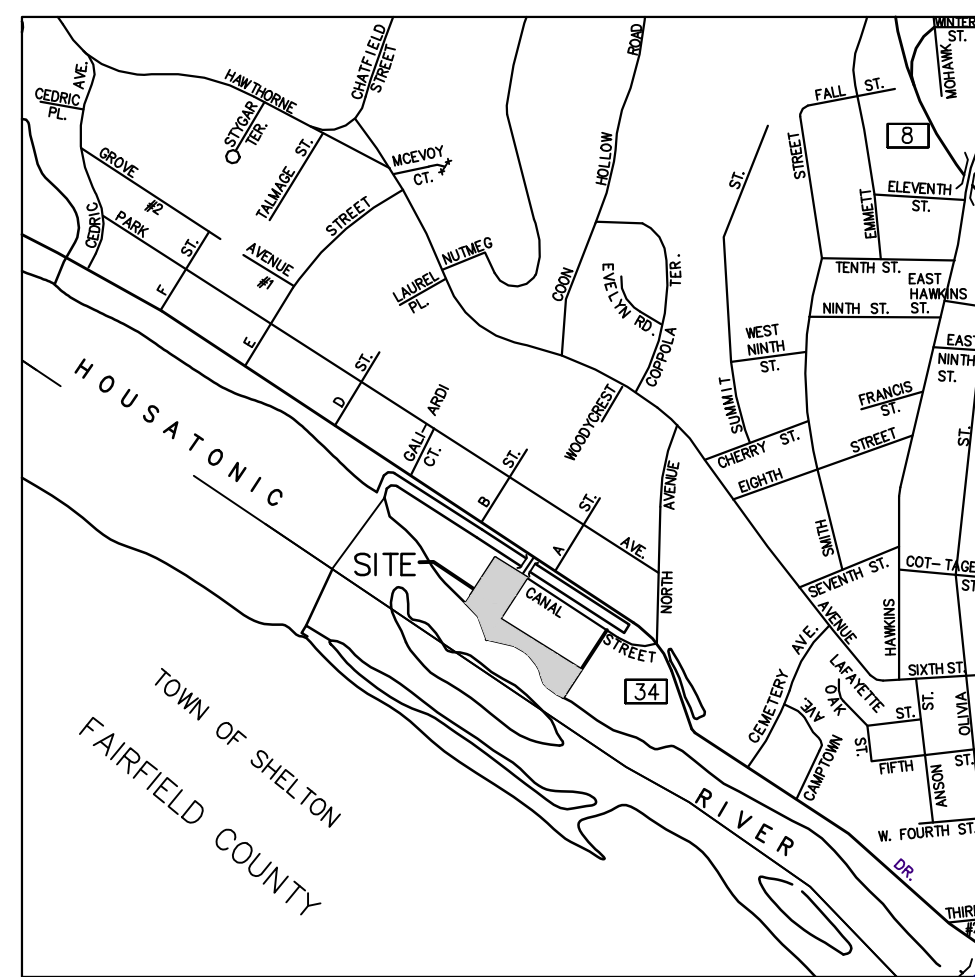


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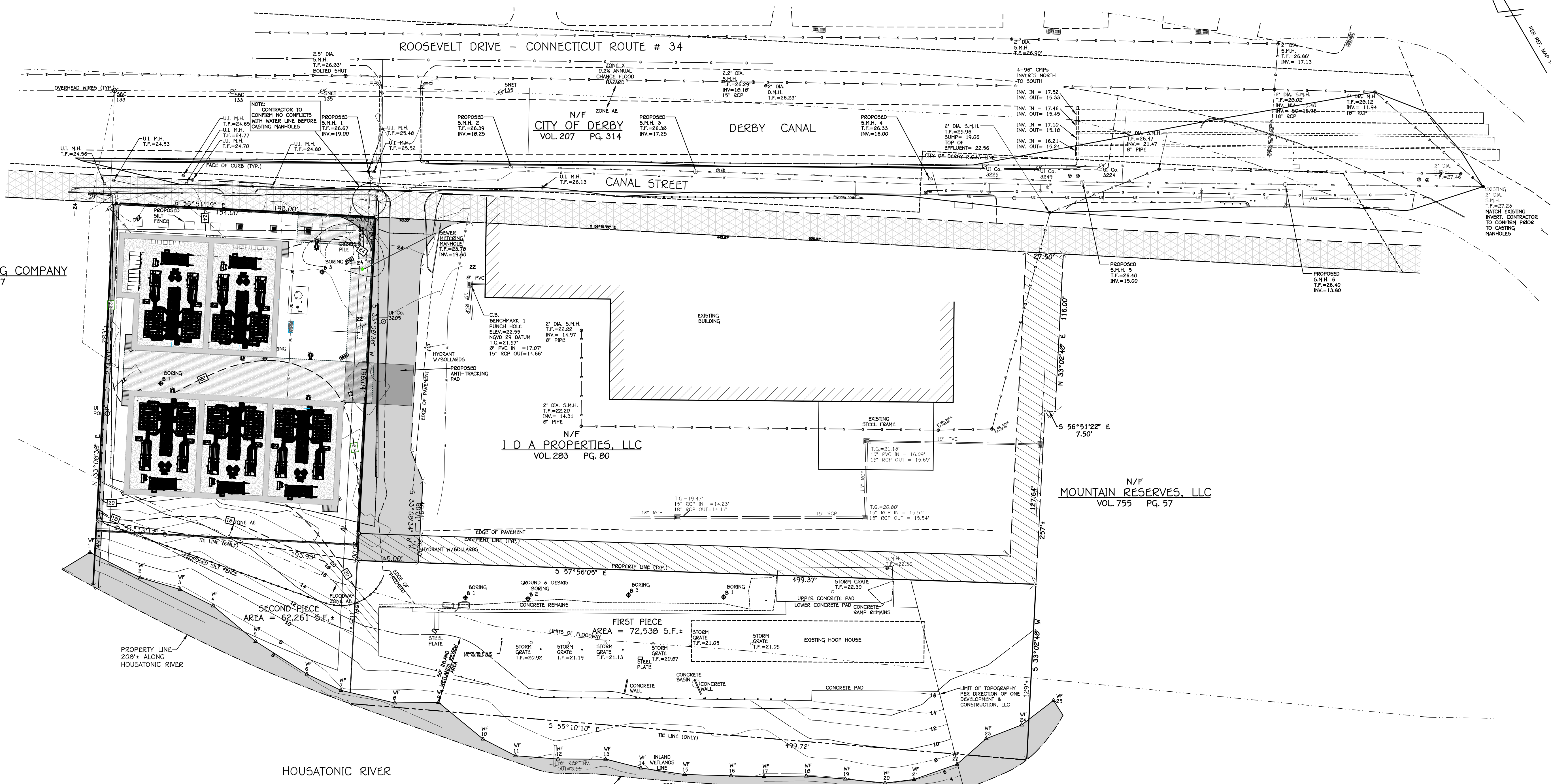
SITE DEVELOPMENT PLAN
 PROPERTY OF
L.D.A. PROPERTIES, LLC
 CANAL STREET
 DERBY, CONNECTICUT

DATE: JANUARY 28, 2020 SCALE: 1"=20'
 DR'N DO'D CK'D APP'D
 SHEET 3 of 3 JOB NO. 186391
 REVISIONS:



LOCATION MAP
 SCALE: 1"=1000'

N/F
THE UNITED ILLUMINATING COMPANY
 VOL. 240 PG. 357



NOTES:

1. REFERENCE IS MADE TO THE FOLLOWING MAPS:

- RIGHT OF WAY SURVEY, MAP SHOWING EASEMENT ACQUIRED FROM, DERBY CELLULAR Z PRODUCTS, INC., BY THE CITY OF DERBY, FOR THE PLAN, FOR THE BRIDGE OVER DERBY CANAL. SCALE: 1:250 METERS, DATE: JULY 2003, BY: MILONE & MacBROOM.
- PROPERTY & TOPOGRAPHIC MAP OF HOUSATONIC INDUSTRIAL PARK, LAND NOW OR FORMERLY, THE CONNECTICUT DEVELOPMENT AUTHORITY, ROOSEVELT DRIVE, DERBY, CONNECTICUT, SCALE: 1"=20', DATE: 6/8/83, BY: DECARLO & DOLL.
- SURVEY PREPARED FOR, VANIA ASSOCIATES, INC., 200 ROOSEVELT DRIVE, DERBY, CONNECTICUT, SCALE: 1"=40', DATE: DECEMBER 19, 1990, BY: E.G. SHELONIS & ASSOCIATES
- THE SHELTON CANAL COMPANY, BERLIN, CONN., PLAN SHOWING LAND AND EASEMENT TO BE CONVEYED TO THE CITY OF DERBY, AND EASEMENT AREA TO BE RESERVED, SCALE: 1"=50', DATE: APRIL 22, 1986, REVISED THRU: 3/19/87, BY: NORTHEAST UTILITIES SERVICE COMPANY, SYSTEM REAL ESTATE DEPARTMENT.
- MAP SHOWING LAND TO BE CONVEYED TO, THE UNITED ILLUMINATING COMPANY, BY THE SHELTON CANAL COMPANY, CANAL STREET, DERBY, CONNECTICUT, SCALE: 1"=20', DATE: JUNE 22, 1992, BY: GORDON BELIDES, P.E. & L.S.
- B.F. GOODRICH CO., DERBY, CONN., SCALE: 1"=40', DATE: JULY 14, 1975, REVISED THRU: OCT. 27, 1978, BY: NOWAKOWSKI & O'BYMACHOW
- THE VICTORY TEXTILE PRINTING CORPORATION, DERBY, CONN., SCALE: 1"=40', DATE: NOVEMBER 15, 1972, REVISED THRU: OCT. 25, 1974, BY: NOWAKOWSKI & O'BYMACHOW

- FOR SUBJECT PROPERTY, REFERENCE IS MADE TO THE FOLLOWING DEED ON FILE IN THE TOWN OF DERBY LAND RECORDS AS VOL. 596 PG. 316 AND LISTED ON ASSESSOR'S MAP 9, BLOCK 4 AS LOTS 3B & 4B
- FLOOD HAZARD ZONE BOUNDARIES SHOWN HEREON TAKEN FROM FEMA FLOOD INSURANCE RATE MAP, NEW HAVEN COUNTY, CONNECTICUT, MAP NUMBER 09001C0305F, EFFECTIVE DATE: JUNE 18, 2010
- THE STONEWALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES OF COURSE BETWEEN PRINCIPAL POINTS OF COURSE INDICATED.

LEGEND

- UTILITY POLE
- EXISTING CONTOURS
- EXISTING SPOT ELEVATION
- FIRE HYDRANT
- EDGE OF WETLAND/FLAG NUMBER
- RETAINING WALL
- BCLC BITUMINOUS CONCRETE LIP CURBING
- W.S.O. WATER SHUTOFF
- W.G. WATER GATE
- PROPOSED SEWER LINE
- UNDERGROUND ELECTRIC LINE
- SEWER LINE
- GAS LINE
- WATER LINE

NOTE

ANY MODIFICATIONS TO THE LOCATION OR ELEVATION OF THE SEPTIC SYSTEM COMPONENTS SHOWN HEREON (INCLUDING CURTAIN DRAINS IF SHOWN) ARE SUBJECT TO THE WRITTEN APPROVAL OF THE DESIGN ENGINEER. THE DESIGN ENGINEER WILL NOT BE RESPONSIBLE FOR ANY CHANGES MADE WITHOUT SUCH WRITTEN APPROVAL.

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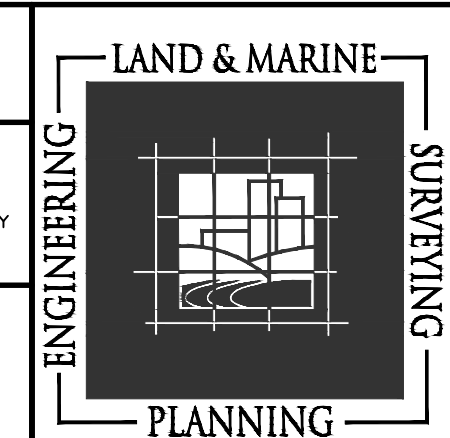
PROGRESS PLAN

BOUNDARY LINES OF ADJOINING PROPERTIES ARE SHOWN FOR GENERAL INFORMATION PURPOSES ONLY AND ARE NOT TO BE CONSTRUED AS BEING ACCURATELY LOCATED OR DEPICTED.

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SEDIMENTATION AND EROSION CONTROL PLAN

SITE DEVELOPMENT PLAN
 PROPERTY OF
I.D.A. PROPERTIES, LLC
 CANAL STREET
 DERBY, CONNECTICUT

DATE: JANUARY 28, 2020 SCALE: 1"=40'
 DRN DO'D [CK'D] APP'D
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