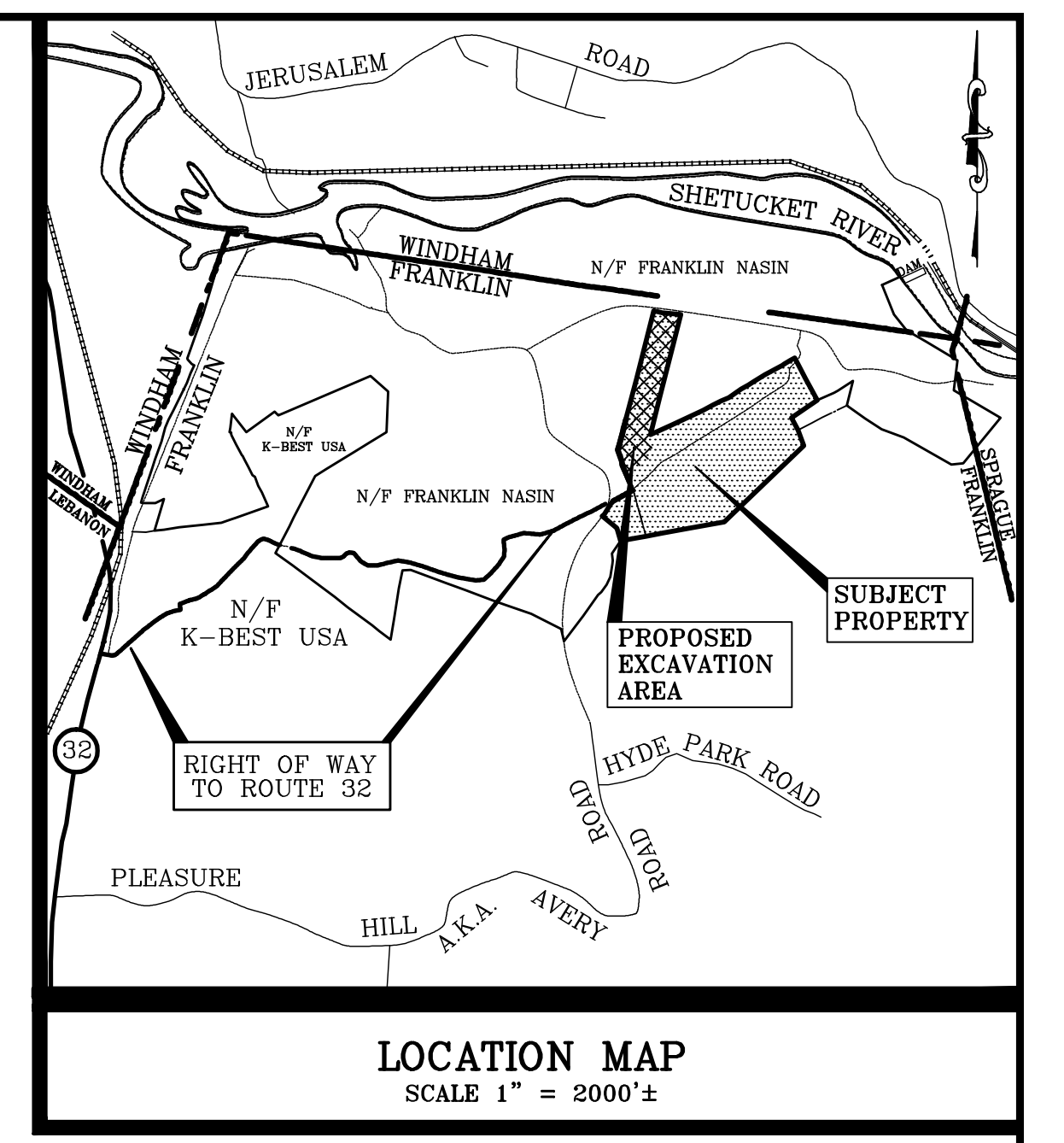
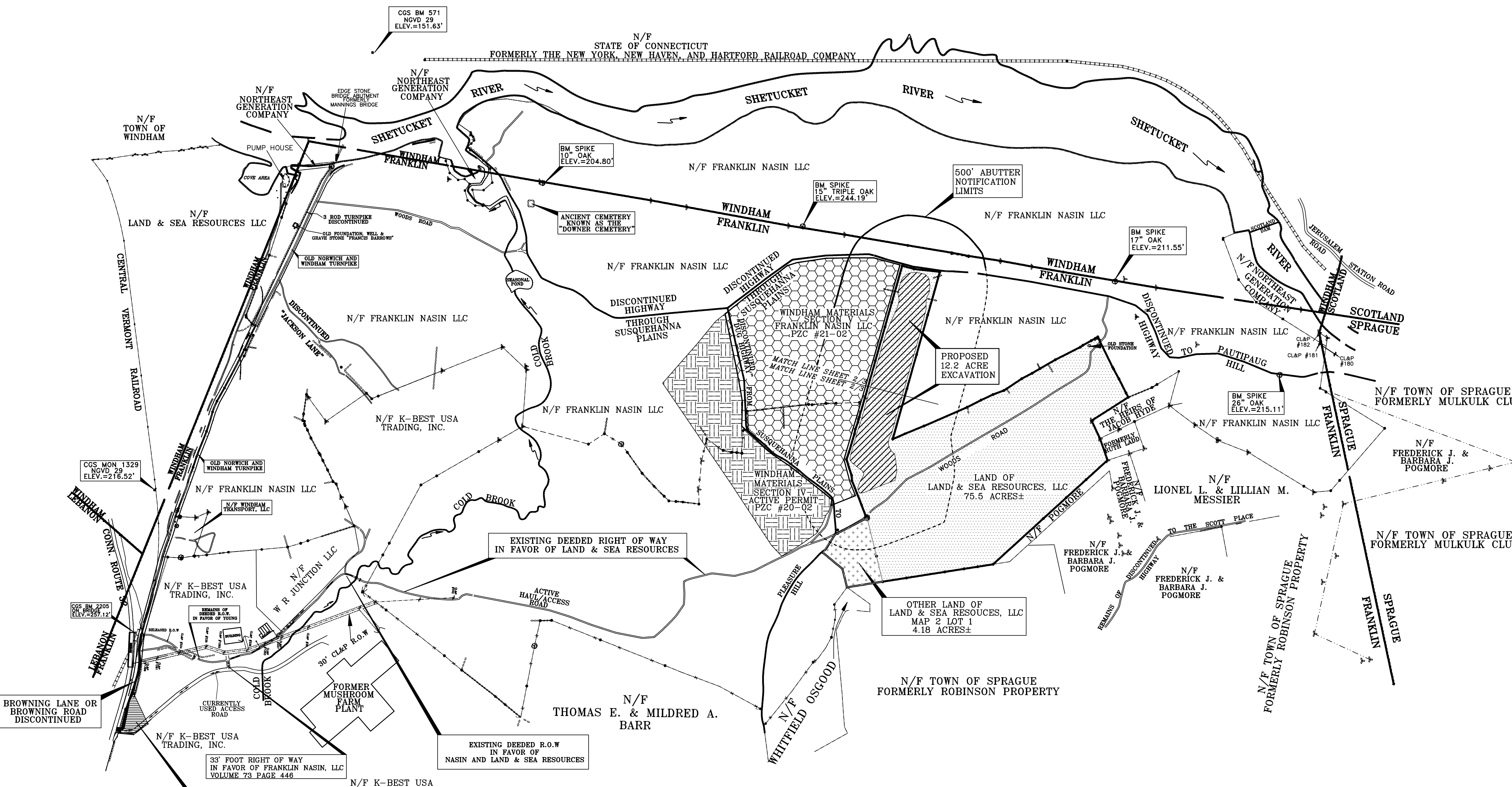


- NOTES:**
1. THIS MAP AND SURVEY WERE PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THROUGH 20-300B-20 OF THE REGULATIONS OF THE STATE OF CONNECTICUT AS WERE FILED WITH THE SECRETARY OF STATE ON JUNE 21, 1996 AND AS WERE AMENDED EFFECTIVE OCTOBER 26, 2018. THIS MAP AND SURVEY COMPRISE A TOPOGRAPHIC SURVEY MEETING THE STANDARDS FOR CLASS A-2 HORIZONTAL ACCURACY, V-2 VERTICAL ACCURACY, AND T-3 TOPOGRAPHIC SURVEY.
 2. THE CURRENT DEED FOR THIS PARCEL IS RECORDED IN VOLUME 104 AT PAGE 934 OF THE TOWN OF FRANKLIN LAND RECORDS.
 3. FOR EASEMENT RIGHTS FROM THE PROPOSED EXCAVATION PLEASE SEE VOLUME 104 PAGE 934 AND VOLUME 104 PAGE 937.
 4. THE BOUNDARY INFORMATION WAS TAKEN FROM MAPS REFERENCES 1, 2, & 3



- MAP REFERENCES:**
1. BOUNDARY SURVEY PREPARED FOR ANNIE Y. WARD LYING ON PLEASURE HILL ROAD & ROUTE #32 FRANKLIN, CT.; DATE 5/9/91; SCALE 1"=100'; DRAWN CBA; DESIGNED CBA; CHECKED JJK; JOB NO. 91-55; BOOK NO. 262; DISK NO 114 (6); SHEETS 1 & 2 OF 2 AS PREPARED BY TOWNE ENGINEERING, INC.
 2. BOUNDARY SURVEY PREPARED FOR JON O. & THERESA M. YOUNG OFF PLEASURE HILL ROAD, RTE 32 FRANKLIN, CONNECTICUT; DATE 4/22/2002; SCALE 1"=40'; BOOK NO. 394; DISC NO. 141(4); CAD DWG 02-33; DRAWN DPM; DESIGNED JHB; CHECKED DRA; SHEET NO. 1 OF 1; JOB NO. 02-33 AS PREPARED BY TOWNE ENGINEERING, INC.
 3. PERIMETER SURVEY PREPARED FOR KEITH NASIN & THE ESTATE OF MARK NASIN LYING ON SUSQUEHANNA PLAINS AND PLEASURE HILL IN THE TOWNS OF WINDHAM, FRANKLIN, AND SPRAGUE LYING EASTERLY OF CONN. ROUTE 32 AND NORTHERLY OF PLEASURE HILL ROAD JOB NO. 96-83; 9/9/2002; SHEETS 1 THRU 5 OF 5 AS PREPARED BY TOWNE ENGINEERING, INC.
 4. BOUNDARY PLAN PREPARED FOR ROBERT H. WENTWORTH CONN. RTE. 32 & BROWNING LANE FRANKLIN, CONN.; DATE 10-19-1988; SCALE 1"=100'; DRAWN MB; CHECKED MH/K; JOB NO. 87-206; BOOK NO. 173; DISK NO 37-2 206-3.DWG; SHEETS 1 THRU 4 OF 4 AS PREPARED BY TOWNE ENGINEERING, INC.
 5. COMPILATION PLAN PREPARED FOR K-BEST TRADING INC. 931 & 933 ROUTE 32 FRANKLIN, CONNECTICUT; DATE 11/06/2015; SCALE 1"=300'; BOOK NO. N/A; DISC NO. 96-73.CRD; CAD DWG 15-056.FIL; DRAWN JHB; DESIGNED JHB; CHECKED MDM; SHEET NO. 1 OF 1; JOB NO. 15-056 AS PREPARED BY TOWNE ENGINEERING, INC.
 6. PROPOSED ENVIRONMENTAL EASEMENT AREA; COMPILATION PLAN PREPARED FOR FRANKLIN ORGANIC MUSHROOMS, INC. 931 ROUTE 32 FRANKLIN, CONNECTICUT; DATE 10/28/2015; SCALE 1"=300'; BOOK N/A; DISC NO. 96-83.CRD; CAD DWG 13-050.EASE; DRAWN JHB; DESIGNED JHB; CHECKED MDM; SHEET NO. 1 OF 1; JOB NO. 13-050 AS PREPARED BY TOWNE ENGINEERING, INC.
 7. EASEMENT MAP PREPARED FOR FRANKLIN FARMS, INC. 931 ROUTE FRANKLIN, CONNECTICUT; DATE 7/19/2015; SCALE 1"=40'; BOOK N/A; DISC NO. 96-83.CRD; CAD DWG 13-050-BA; DRAWN JHB; DESIGNED JHB; CHECKED MDM; SHEET NO. 1 OF 1; JOB NO. 13-050 AS PREPARED BY TOWNE ENGINEERING, INC.
 8. MODIFIED RIGHT OF WAY PLAN PREPARED FOR FRANKLIN NASIN, LLC CT ROUTE 32 & BROWNING LANE FRANKLIN, CT; DATE 1/17/05; SCALE 1"=100'; BOOK NO. 000; DISC NO. 00(00); CAD DWG. 96-83ROW; DRAWN RAC; DESIGNED JHB; CHECKED DRA; SHEET NO. 1 OF 1; JOB NO. 96-83 AS PREPARED BY TOWNE ENGINEERING, INC.
 9. PLAN OF SURVEY IN FRANKLIN, CONNECTICUT FOR RALSTON PURINA COMPANY; DATE: AUGUST 3, 1977; DRAWN BY: C.E.B.; SCALE 1"=160'; DRAWING NO.'S 1 AND 2 OF 2; REVISED 8/15/77 AS PREPARED BY ELLSWORTH V. STANLEY 1990 PAWTUCKET AVE EAST PROVIDENCE, R.I.
 10. SECTION V - EXCAVATION PERMIT PLAN PREPARED OF WINDHAM MATERIALS CT ROUTE 32 & BROWNING LANE FRANKLIN, CT; DATE 9/16/2020; SCALE 1" = 200'; BOOK NO.395/376; DISC NO. 96-83; CAD DWG 20-26-SECT-V; DRAWN MDM/RAC; DESIGNED MDM; CHECKED JHB; SHEETS NO. 1 THRU 6 OF 6; JOB NO. 20-26 AS PREPARED BY TOWN ENGINEERING, INC.



- REGULATORY NOTES:**
1. The Applicant is familiar with the information in the Application and is aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.
 2. The Applicant gives authorization to the members and agents of the Wetlands Agency and the Planning and Zoning Commission to inspect the subject land at reasonable times both before and after a final decision is made.
 3. The Applicant certifies that:
 - A. No traffic attributable to the completion of the project on this site will use streets within an adjoining municipality to enter or exit this site.
 - B. No sewer or stormwater drainage from this project site will flow through and impact the sewage or stormwater drainage system within the adjoining municipality, nor will it impact private properties within the adjoining municipalities.

33' FOOT RIGHT OF WAY IN FAVOR OF FRANKLIN NASIN, LLC VOLUME 73 PAGE 446

ACCESS EASEMENT IN FAVOR OF LAND & SEA RESOURCES OVER LAND N/F K-BEST USA TRADING SEE VOLUME 101 PAGE 368

LEGEND

PROPERTY LINE	—
ANGLE POINT IN PROPERTY LINE (COMPUTED)	○
IRON PIN OR DRILL HOLE (SET OR FOUND)	●
CHD: CONNECTICUT HIGHWAY DEPT. (MONUMENT)	—+—
SURVEY CONTROL POINT	⊙
UTILITY POLE	⊕
EXISTING CONTOUR LINE	---
EXISTING SPOT ELEVATION	208
PROPOSED CONTOUR LINE	---
PROPOSED SPOT ELEVATION	206.6
STONE WALL	—x—x—
BOX-WIRE FENCE	—x—x—
BARBED WIRE FENCE	—x—x—
WOOD FENCE	—x—x—
CHAIN LINK FENCE	—x—x—
GUARD RAIL	—x—x—
WETLANDS SYMBOL	—x—x—
SILTATION BARRIER (SILT FENCE OR HAY BALES)	—x—x—
VIRGINIA RAIL FENCE REMAINS	—x—x—
DELINEATED INLAND WETLANDS	—x—x—
PVC: POLYVINYLCHLORIDE PIPE	—x—x—
RCP: REINFORCED CONCRETE PIPE	—x—x—
CMP: CORRUGATED METAL PIPE	—x—x—
CPP: CORRUGATED PLASTIC PIPE	—x—x—
N/F: NOW OR FORMERLY	—x—x—

I HEREBY CERTIFY THAT I HAVE READ THE FRANKLIN ZONING REGULATIONS AND THAT THESE PLANS, IN MY OPINION, MEETS THE REQUIREMENTS OF THOSE REGULATIONS

JOSEPH H. BOUCHER, M.S., L.S. #17938 DATE _____

SPECIAL PERMIT APPROVED:

EFFECTIVE DATE: _____

EXPIRATION (5 YEARS): _____

ANNUAL RENEWAL DUE: _____

FOR: FRANKLIN PLANNING & ZONING COMMISSION DATE _____

EROSION AND SEDIMENTATION CONTROL PLAN CERTIFIED BY VOTE OF THE FRANKLIN PLANNING AND ZONING COMMISSION ON _____ DATE _____

BY _____ CHAIRMAN OR SECRETARY OF THE COMMISSION OR ITS DESIGNEE

SURVEY DATA	
Survey Type	TOPOGRAPHIC SURVEY
Horizontal Accuracy	A-2
Vertical Accuracy	V-2
Topographic Accuracy	T-3
Boundary Determination	N/A
To my knowledge and belief, this map is substantially correct as noted hereon.	
Land Surveyor	License # _____ Date _____
ANY ORIGINAL OR DUPLICATION OF THIS MAP IS NOT VALID UNLESS IT BEARS THE IMPRESSION TYPE SEAL OF THE LAND SURVEYOR WHOSE NAME AND REGISTRATION NUMBER APPEAR ABOVE.	

TOWNE ENGINEERING, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
ROUTE 32 AND RICHMOND LANE, SOUTH WINDHAM CT
TEL (860) 423-6371/889-2100 FAX 423-5470

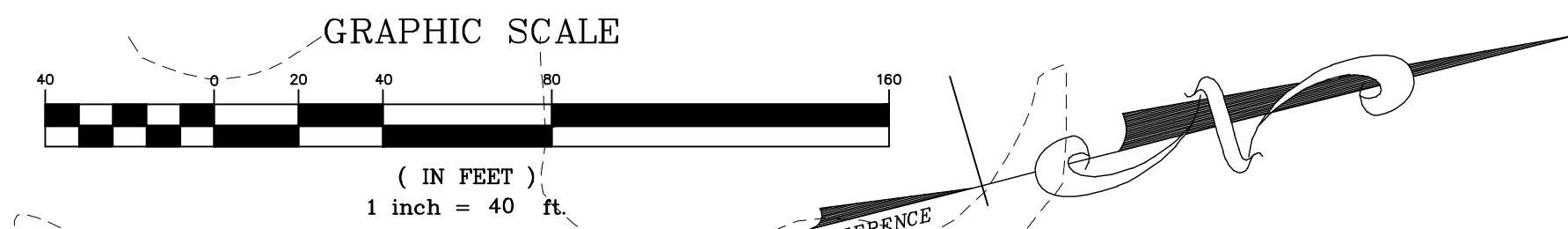
EXCAVATION PERMIT PLAN
PREPARED FOR
WINDHAM MATERIALS, LLC
PROPERTY OF
LAND & SEA RESOURCES, LLC
PLEASURE HILL ROAD FRANKLIN, CONNECTICUT

DATE	REVISIONS	BOOK NO.	DRAWN	SHEET NO.
4/30/2021		395/376	JHB	1 OF 4
		96-83	JHB	JOB NO.
SCALE		CAD DWG	CHECKED	21-012
1"=500'		21-012SH1	MDM	

PHASING NOTE:
 DUE TO THE SHAPE OF THE PROPOSED EXCAVATION IT WILL BE NECESSARY TO PHASE THIS EXCAVATION IN VERTICAL LIFTS WHICH SHALL NOT EXCEED 20 FEET. SIDE SLOPES SHALL BE ESTABLISHED AS THE DEPTH OF THE EXCAVATION PROCEEDS.

AREA CURRENTLY BEING EXCAVATED ON LAND OF FRANKLIN NASIN LLC BY WINDHAM MATERIALS LLC "SECTION IV" FRANKLIN PZC FILE #20-02

N/F FRANKLIN NASIN, LLC
 SECTION V
 FRANKLIN PZC #21-02



BERM TOPSOIL/SUBSOIL IN 20' EXCAVATION SETBACK DURING EXCAVATION AT COMPLETION OF RESTORATION PLACE BOULDERS AT 5' O.C. AT TOP OF SLOPE

PROPOSED SILTATION BARRIER TYP.

EXISTING DEEDED RIGHT OF WAY IN FAVOR OF LAND & SEA RESOURCES, LLC

N/F FRANKLIN NASIN, LLC

PROPOSED TREELINE TYP.

PROPOSED SILTATION BARRIER TYP.

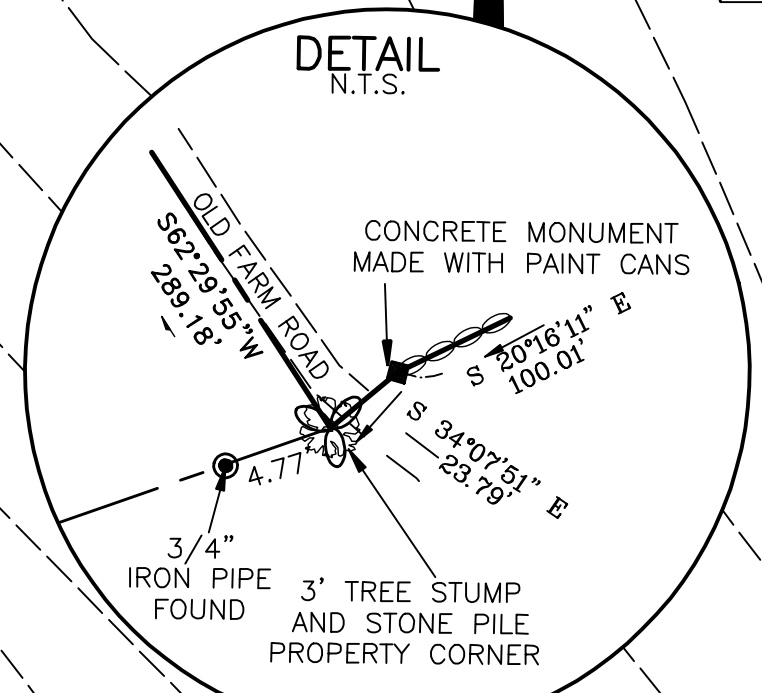
TOPSOIL STOCKPILE AREA

OTHER LAND OF LAND & SEA RESOURCES, LLC MAP 2 LOT 1 4.18 ACRES±

IMPROVE EXISTING OLD FARM ROAD TO CONNECT INTO ACTIVE HAUL ROAD FROM EXCAVATION KNOWN AS SECTION IV

BENCHMARK MAG SPIKE CONTROL POINT ELEV = 225.70

LAND OF LAND & SEA RESOURCES, LLC MAP 2 LOT 2 75.5 ACRES±



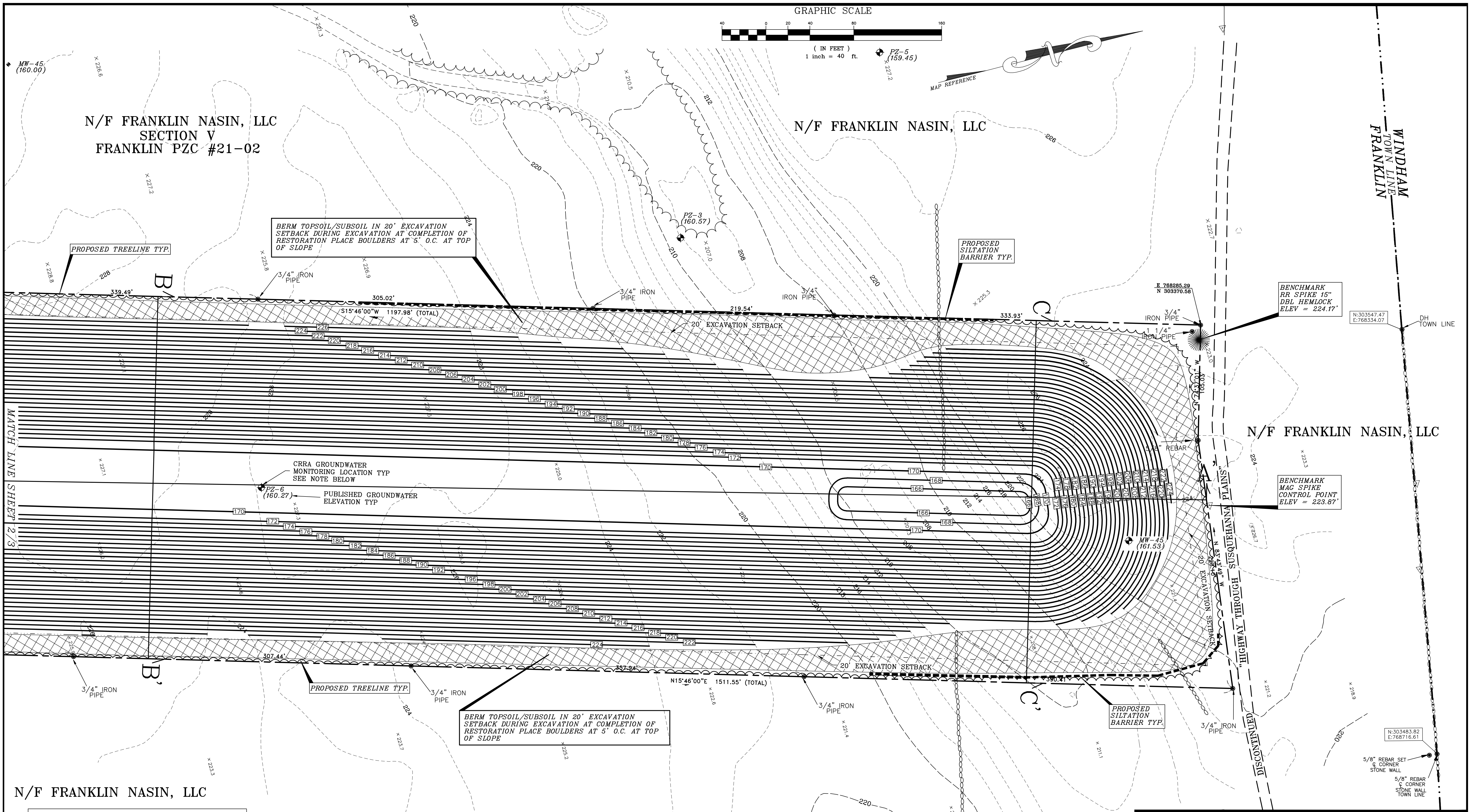
BERM TOPSOIL/SUBSOIL IN 20' EXCAVATION SETBACK DURING EXCAVATION AT COMPLETION OF RESTORATION PLACE BOULDERS AT 5' O.C. AT TOP OF SLOPE

N/F FRANKLIN NASIN, LLC

TOWNE ENGINEERING, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 ROUTE 32 AND RICHMOND LANE, SOUTH WINDHAM CT
 TEL (860) 423-6371/889-2100 FAX 423-5470

EXCAVATION PERMIT PLAN
 PREPARED FOR
WINDHAM MATERIALS, LLC
 PROPERTY OF
LAND & SEA RESOURCES, LLC
 PLEASURE HILL ROAD FRANKLIN, CONNECTICUT

DATE	REVISIONS	BOOK NO.	DRAWN	SHEET NO.
4/30/2021		N/A	JHB	2 OF 4
SCALE		DISC NO.	DESIGNED	JOB NO.
1"=40'		96-83	JHB	21-012
		CAD DWG	CHECKED	
		21-012SH2-3	MDM	



N/F FRANKLIN NASIN, LLC
SECTION V
FRANKLIN PZC #21-02

N/F FRANKLIN NASIN, LLC

N/F FRANKLIN NASIN, LLC

N/F FRANKLIN NASIN, LLC

N/F FRANKLIN NASIN, LLC

PHASING NOTE:
DUE TO THE SHAPE OF THE PROPOSED EXCAVATION IT WILL BE NECESSARY TO PHASE THIS EXCAVATION IN VERTICAL LIFTS WHICH SHALL NOT EXCEED 20 FEET. SIDE SLOPES SHALL BE ESTABLISHED AS THE DEPTH OF THE EXCAVATION PROCEEDS.

LEGEND

PROPERTY LINE	—
ANGLE POINT IN PROPERTY LINE (COMPUTED)	○
IRON PIN OR DRILL HOLE (SET OR FOUND)	●
CONCRETE MONUMENT (COMPUTED)	□
CONCRETE MONUMENT (FOUND OR SET)	■
CHD: CONNECTICUT HIGHWAY DEPT. (MONUMENT)	△
SURVEY CONTROL POINT	▲
UTILITY POLE	⊕
EXISTING CONTOUR LINE	---
EXISTING SPOT ELEVATION	221.4
PROPOSED CONTOUR LINE	206
PROPOSED SPOT ELEVATION	206.6
STONE WALL	—+—
SILTATION BARRIER (SILT FENCE OR HAY BALES)	—+—+—
N/F: NOW OR FORMERLY	

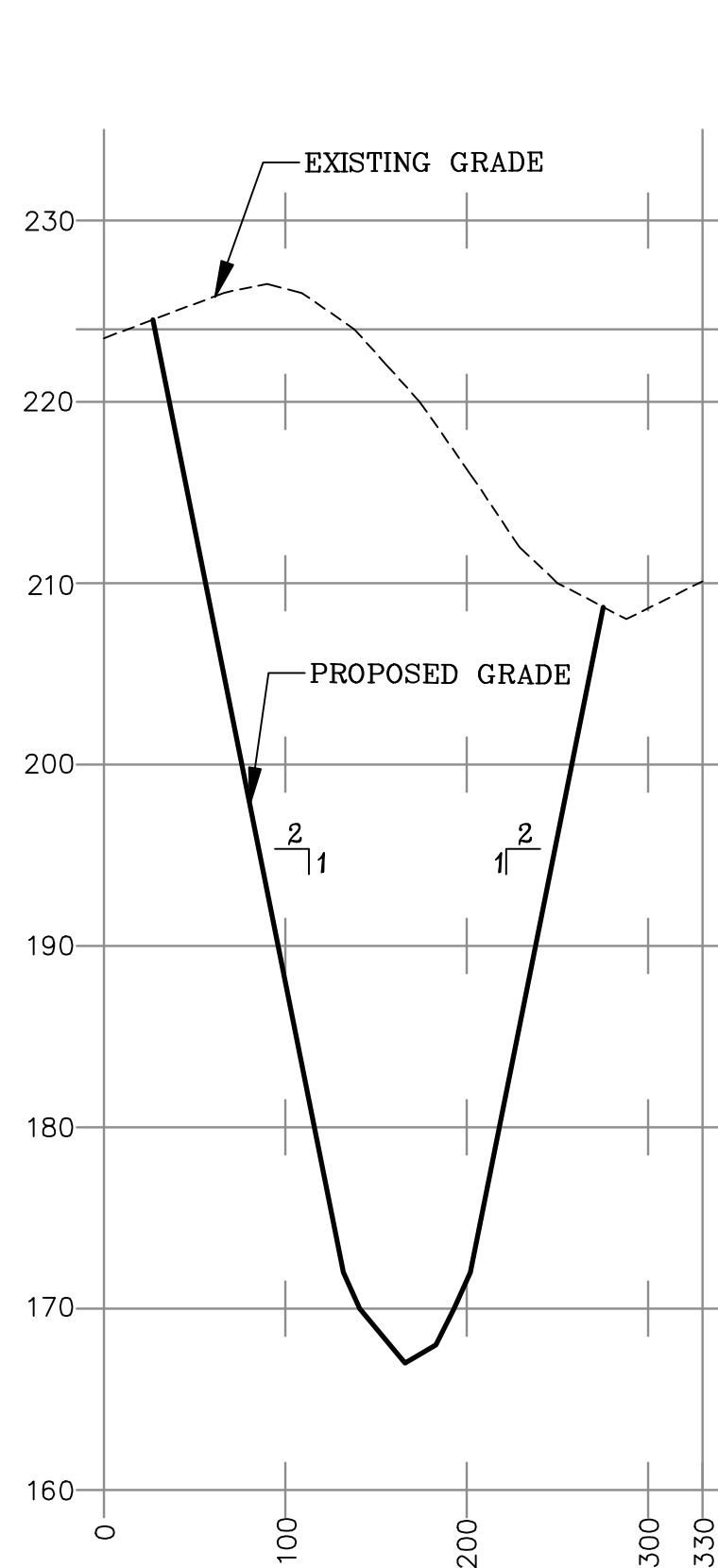
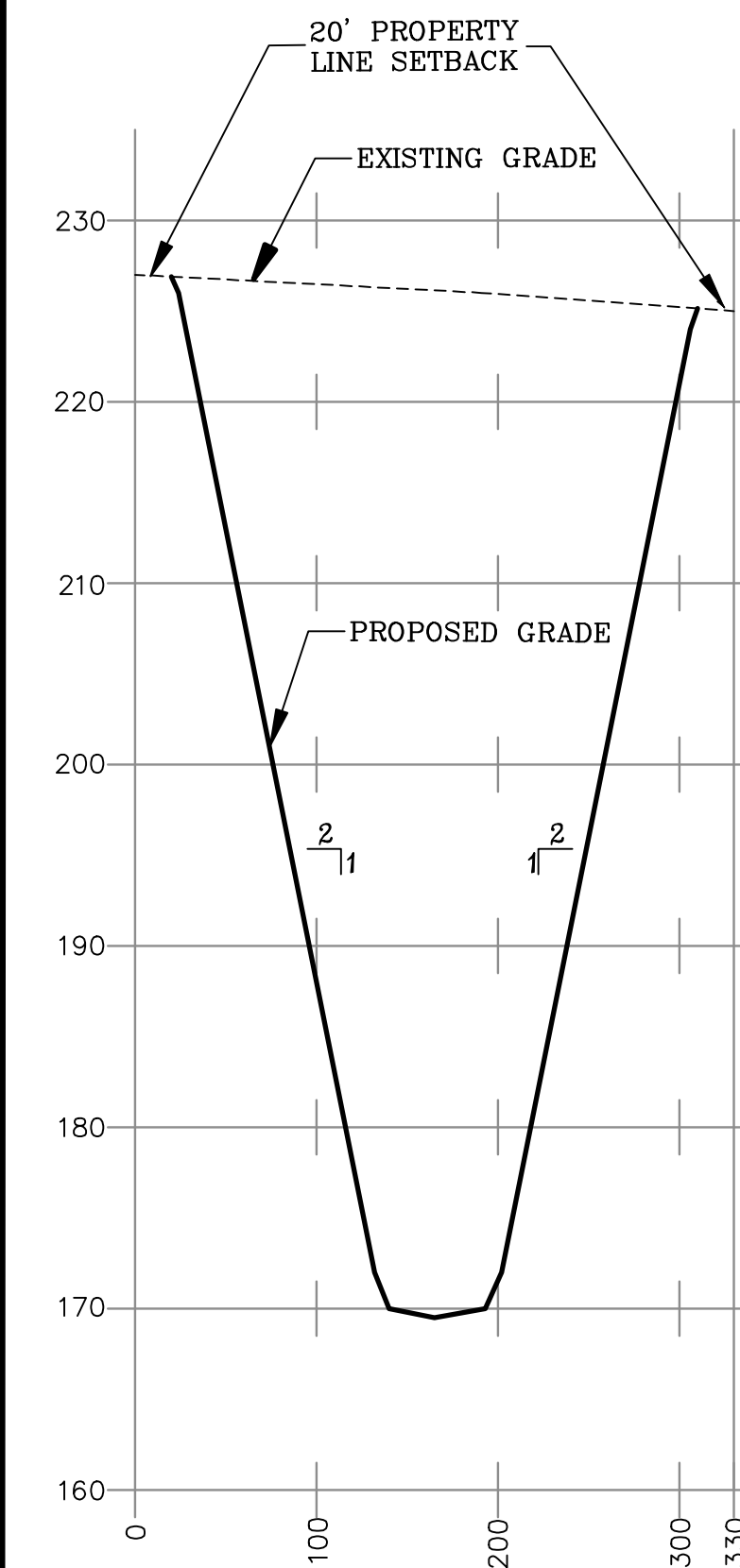
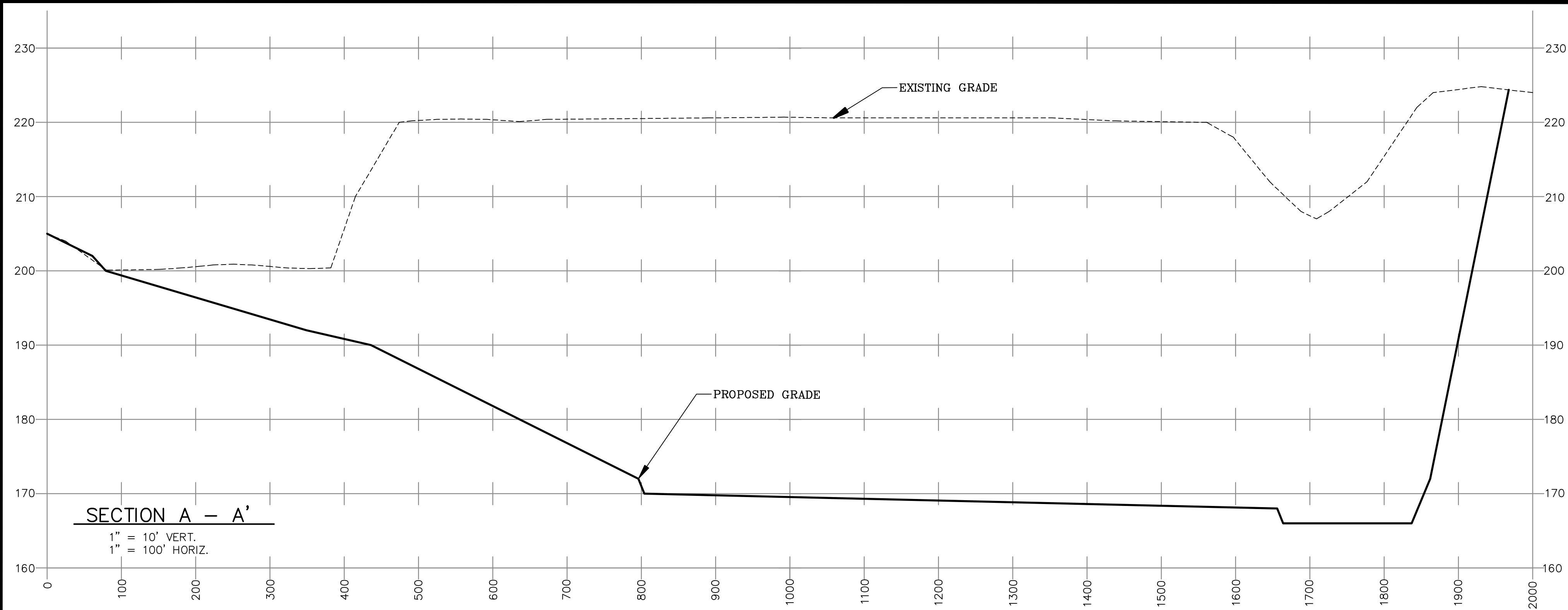
CRRA GROUND WATER READINGS:
THE GROUNDWATER ELEVATIONS SHOWN WERE TAKEN FROM A MAP ENTITLED "CONNECTICUT RESOURCES RECOVERY AUTHORITY FRANKLIN, CONNECTICUT, SECTION A-A' AND B-B' LOCATION MAP; TRC 12-01-08; PROJECT 153306-000020-00000; DRAWING C-1. THE REPORTED DATE OF THESE READINGS WAS ON NOVEMBER 24, 2008.

TOTAL AREA OF PARCEL = 75.5 ACRES
TOTAL AREA PROPOSED FOR EXCAVATION = 12.2 ACRES
TOTAL PROPOSED EXCAVATION VOLUME = 505,000 CUBIC YARDS

TOWNE ENGINEERING, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
ROUTE 32 AND RICHMOND LANE, SOUTH WINDHAM CT
TEL (860) 423-6371/889-2100 FAX 423-5470

EXCAVATION PERMIT PLAN
PREPARED FOR
WINDHAM MATERIALS, LLC
PROPERTY OF
LAND & SEA RESOURCES, LLC
PLEASURE HILL ROAD FRANKLIN, CONNECTICUT

DATE	REVISIONS	BOOK NO.	DRAWN	SHEET NO.
4/30/2021		N/A	JHB	3 OF 4
		96-83	JHB	JOB NO.
SCALE		CAD DWG	CHECKED	21-012
1"=40'		21-012SH2-3	MDM	

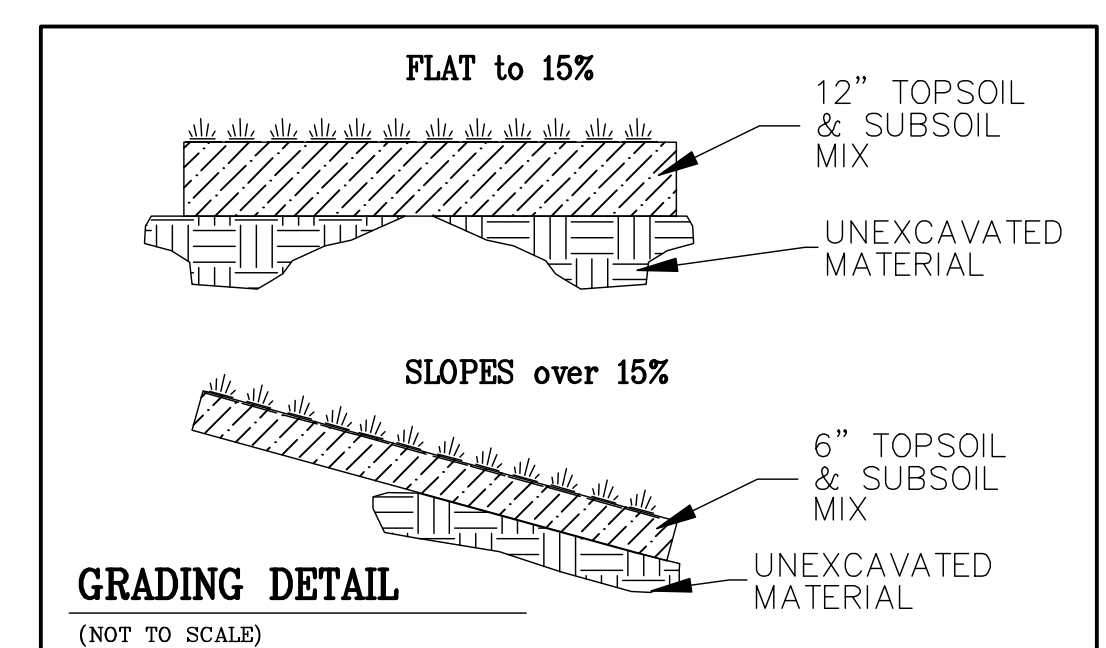
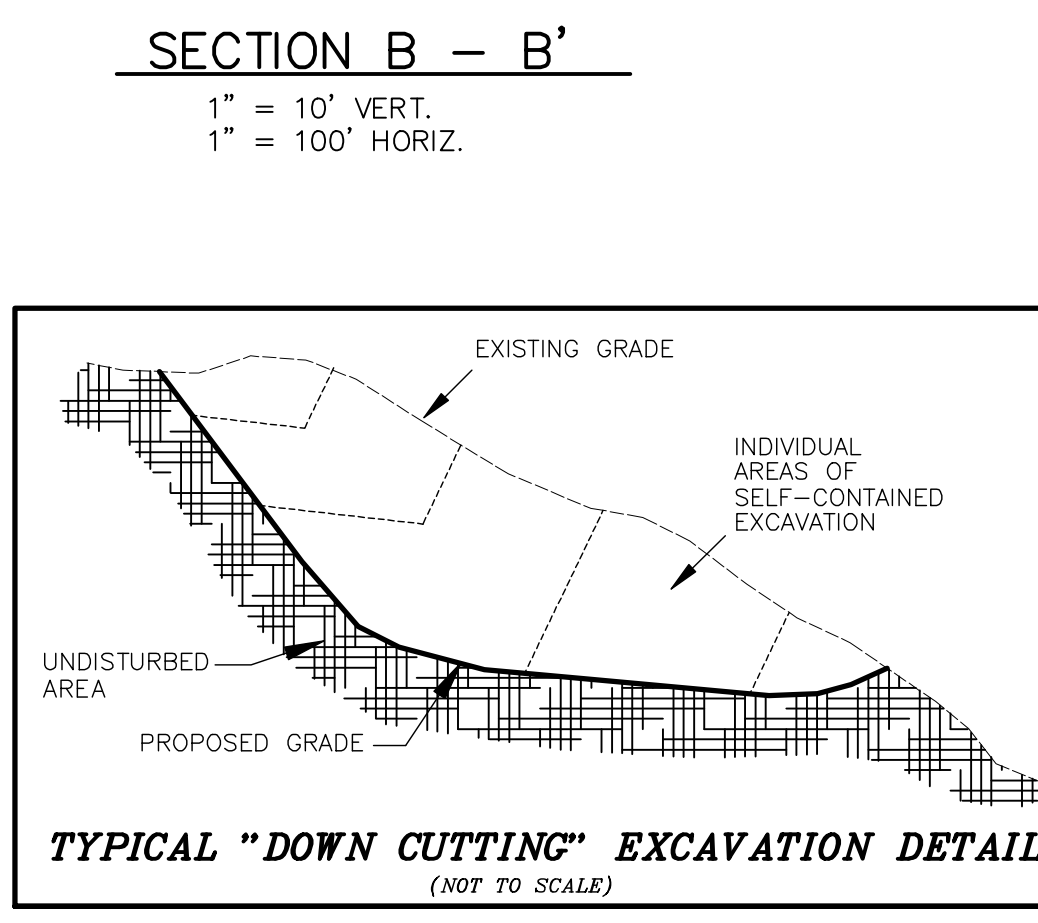
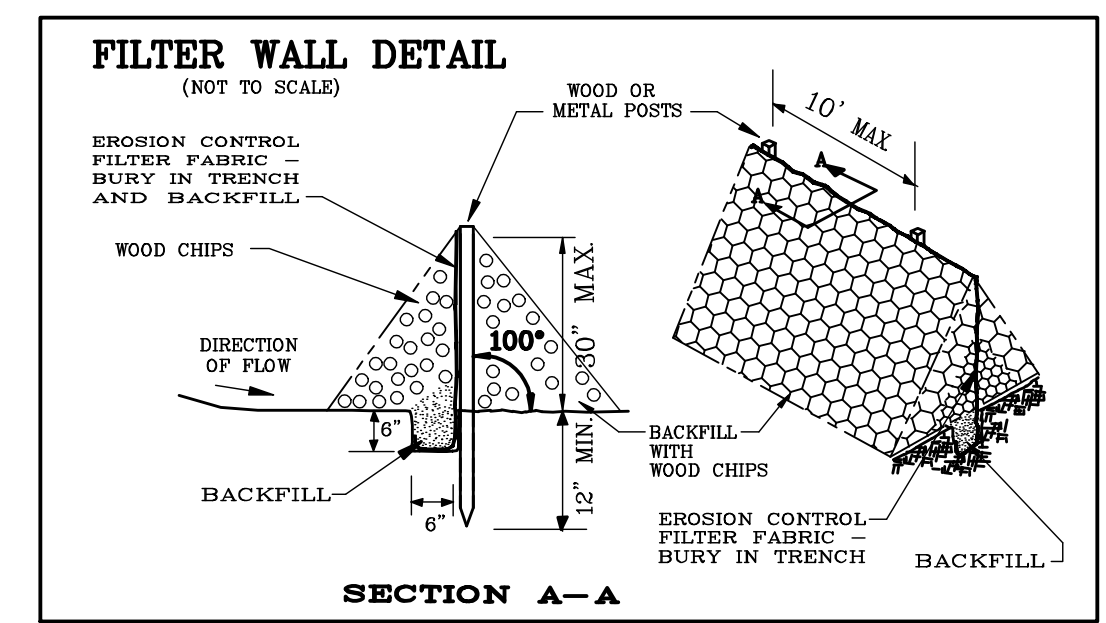
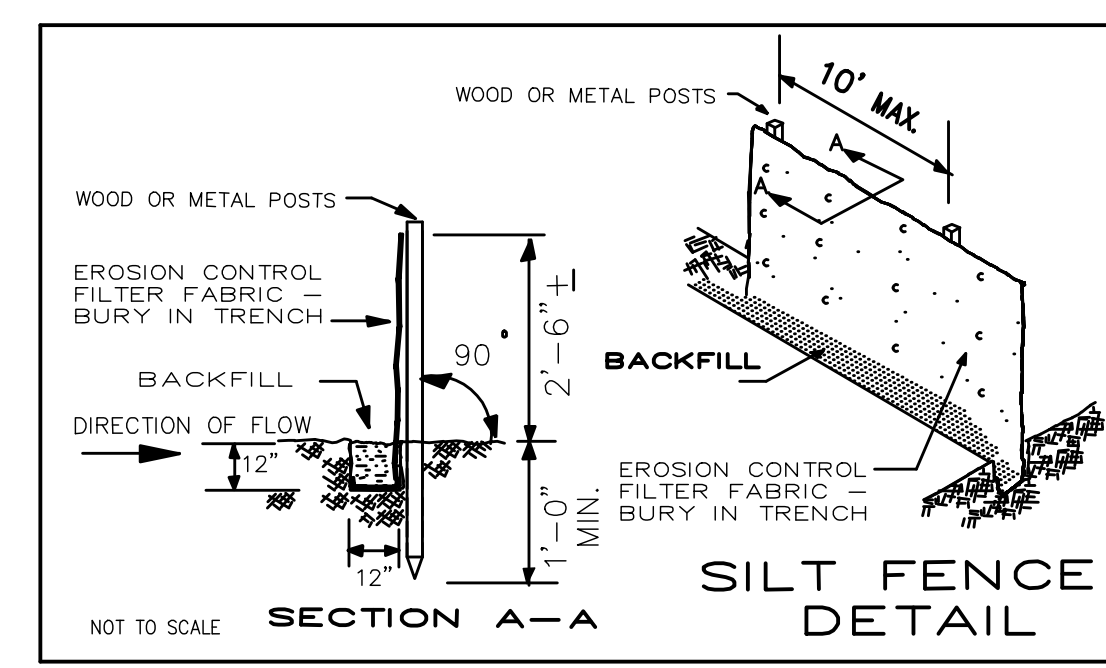
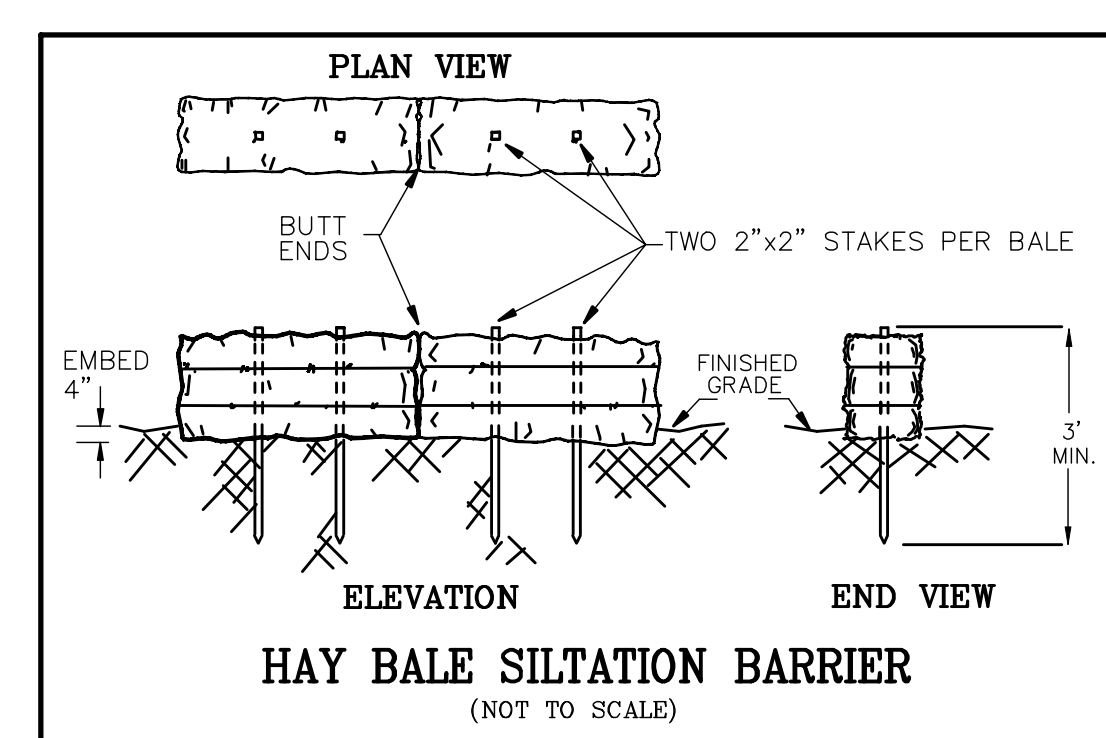


VEGETATIVE COVER FOR DISTURBED AREAS
ESTABLISHMENT PROCEDURES:
 SURFACES COMPACTED BY CONSTRUCTION EQUIPMENT SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 2" BEFORE PLACING TOPSOIL.
 TOPSOIL WILL BE PLACED AS SPECIFIED ON THESE PLANS ON ALL AREAS TO BE SEEDBED.
 *APPLY LIME AND/OR FERTILIZER ACCORDING TO SOIL TEST RESULTS INCORPORATE FERTILIZER WITH SOIL TO A DEPTH OF 3". FINE GRADE SEEDBED BEFORE APPLYING SEED.
 APPLY SEED UNIFORMLY AND COVER BY LIGHTLY RAKING TO A MINIMUM DEPTH EQUAL TO THE LARGEST DIMENSION OF THE LARGEST SEED WHERE A MIXTURE IS USED. SMOOTH AND FIRM SEEDBED BY ROLLING.
 MULCH IMMEDIATELY, USING HAY OR STRAW AT A RATE OF 3 BALES PER 1000 SQ. FT. ANCHOR MULCH WITH CELLULOSE FIBER MULCH OR EQUAL, APPLIED HYDRAULICALLY AT A RATE OF 700 LBS./ACRE.
 MATERIALS:
 FERTILIZER: COMPLETE COMMERCIAL FERTILIZER 50% ORGANIC
 LIME: RAW GROUND AGRICULTURAL LIMESTONE
 MULCH: HAY OR STRAW (FREE FROM WEED SEEDS)

AREA WHERE SEED MIX APPLIES	SEED MIX	MINIMUM APPLICATION RATE **	SEEDING DATES
PROPOSED GRASSLANDS	CONSERVATION/WILDLIFE MIX**	25 LBS./AC.	APRIL 15 - JUNE 15 AUG. 15 - SEPT. 15
BASIN AREAS	NEW ENGLAND WETMIX**	18 LBS./AC.	APRIL 15 - JUNE 15 AUG. 15 - SEPT. 15

** INCREASE (4X) RATE WHEN HYDROSEEDING.
 *** GRASS SEED MIXTURES AVAILABLE AT NEW ENGLAND WETLAND PLANTS, INC. 820 West Street Amherst, MA 01062 Phone: 413-548-8000 Fax: 413-549-4000 Email: info@newp.com, Web Address: www.newp.com

RECOMMENDED TEMPORARY SEEDINGS: WHERE FINAL GRADING IS NOT COMPLETED BY SEPT. 30, A TEMPORARY COVER WILL PROTECT THE SOIL OVER THE WINTER MONTHS.
 SEED (ALL AREAS) RATE PER 1000 SQ. FT. SEEDING DATES
 WINTER RYE 100% 5 LBS. AUG. 15-OCT. 1
 (1) ROLLING NOT RECOMMENDED ON SLOPES OF A GRADIENT STEEPER THAN 2:1.
 (2) HYDROSEEDING MAY BE USED FOR APPLYING SEED, FERTILIZER, AND FIBER MULCH IN ONE OPERATION, IN LIEU OF USING STRAW OR HAY MULCH. USE RATE OF 1400 LBS./ACRE FOR FIBER MULCH IN THIS TYPE OF OPERATION.
 (3) SHADY MIX: 100% CREEPING RED FESCUE OR 2:1 (65% - 35%) CREEPING RED FESCUE AND K-31 TALL FESCUE RESPECTIVELY, AT 5 LBS./1000 SQ.FT.
 * NOTE: ALTERNATE SUBJECT TO APPROVAL. FOR ADDITIONAL INFORMATION AND SUGGESTED ALTERNATIVES SEE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, DATED 2002



EROSION & SEDIMENTATION NARRATIVE

PROJECT DESCRIPTION:
 THIS PROJECT IS A SAND AND GRAVEL EXCAVATION ON LAND OF LAND & SEA RESOURCES, LLC. THE PROJECT AREA IS 12.2 ACRES OF THE 75.5 ACRE TRACT AND PROPOSES TO EXCAVATE APPROXIMATELY 505,000 CUBIC YARDS OF SAND AND GRAVEL.

EROSION & SEDIMENTATION CONTROL PLAN PREPARER:
 TOWNE ENGINEERING, INC.
 P.O. BOX 162
 SOUTH WINDHAM, CT 06286
 PH: 860-423-6371

PERSON RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL:
 HAROLD HOPKINS
 WINDHAM MATERIALS, LLC
 P.O. BOX 346
 WILLIMANTIC, CT 06226
 PH: 860-456-4111

CONSTRUCTION SEQUENCE:
 -MARK LIMIT OF PHASE
 -INSTALL EROSION AND SEDIMENTATION CONTROLS AS DETAILED ON THESE PLANS.
 -REMOVE TREES AND STUMPS IN THE ENTIRE AREA TO BE EXCAVATED, DISPOSE OF TREES, AND STUMPS IN ACCORDANCE WITH CURRENT CONNECTICUT DEEP REGULATIONS.

-STRIP TOPSOIL AND SUBSOIL. STOCKPILE STRIPPED SOILS IN DESIGNATED AREAS, AND RING PILE(S) WITH SILTATION BARRIER. THE CONTRACTOR SHALL TEMPORARILY SEED THE STOCKPILE(S) IF THEY ARE GOING TO REMAIN FOR THIRTY DAYS OR MORE.
 -THIS EXCAVATION WILL PROCEED NORTHERLY, DUE TO SHAPE OF THIS EXCAVATION IT WILL BE NECESSARY TO PHASE THE EXCAVATION IN VERTICAL PHASES NOT EXCEEDING 20 FEET. AS THE EXCAVATION PROCEEDS THE 2:1 SIDE SLOPES SHALL BE ESTABLISHED.

-EXCAVATION SHALL BE PERFORMED IN A "DOWN CUTTING" MANNER SO THAT ALL EXCAVATION RUNOFF WILL BE CONTAINED IN THE EXCAVATED PIT WITH MINIMAL STORMWATER RUNOFF IMPACTING UNDISTURBED AREAS.
 -AS THE EXCAVATION IS BROUGHT TO FINAL GRADE, ALL FINAL SLOPES SHALL BE GRADED TO THE DESIGNED SLOPE (AS SHOWN), AND SHALL BE STABILIZED WITH A 6 INCH MINIMUM LAYER OF TOPSOIL AND SUBSOIL MIX, SEEDBED AND MULCHED. NO MULCH SHALL BE APPLIED TO THE SLOPE UNTIL THE SEED HAS BEEN TRACKED INTO THE SOIL WITH A BULLDOZER, OFFSETTING ON EACH PASS.

-ALL FLAT AREAS (LESS THAN 15% SLOPE) BROUGHT TO FINAL GRADE SHALL BE STABILIZED WITH A 12 INCH MINIMUM LAYER OF TOPSOIL AND SUBSOIL MIX, SEED AND MULCH.
 -STABILIZATION OF THE FINAL GRADED SLOPES SHALL BE COMPLETED AT THE CONCLUSION OF THE FULL DEPTH EXCAVATION.

EROSION AND SEDIMENTATION NOTES

OPERATION AND MAINTENANCE:
 IN GENERAL, EROSION AND SEDIMENTATION CONTROL AND RESTORATION MEASURES SHALL CONFORM TO THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (D.E.P. BULLETIN #34) PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, AND TO ALL LOCAL TOWN REQUIREMENTS.
 THE CONTRACTOR SHALL MAKE DAILY INSPECTIONS OF THE SITE TO ENSURE EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES AND IMMEDIATELY MAKE NECESSARY REPAIRS. ALL SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER.

ANY NECESSARY HAY BALES OR SILT FENCE SHALL BE REPAIRED OR REPLACED WITHIN 24 HOURS OF AN OBSERVED FAILURE. FAILURE OF THE SILTATION BARRIER HAS OCCURRED WHEN SEDIMENT FAILS TO BE RETAINED BY THE BARRIER BECAUSE OF:
 -THE BARRIER HAS BEEN OVERTOPPED, UNDERCUT, OR BYPASSED BY STORMWATER RUNOFF.
 -BARRIER HAS BEEN KNOCKED OVER OR MOVED OUT OF POSITION.
 -BARRIER HAS DECOMPOSED OR HAS BEEN DAMAGED.

WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA OR WHEN GRADING ACTIVITY HAS TEMPORARILY CEASED FOR A PERIOD OF TIME EXPECTED TO EXCEED ONE MONTH, TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT CONTROL MEASURES ARE UTILIZED.

ADDITIONAL SEDIMENTATION AND/OR EROSION CONTROL MEASURES IF REQUESTED BY THE TOWN OR DESIGN ENGINEER SHALL BE INSTALLED WITHIN 24 HOURS OF ANY SUCH REQUEST.
 ALL DISTURBED AREAS SHALL BE PROTECTED WITH A MINIMUM VEGETATION COVER AS SHOWN IN ACCOMPANYING CHART.
 THE CONTRACTOR SHALL PLAN AND PERFORM ALL LAND DISTURBING ACTIVITIES IN A MANNER AS TO MINIMIZE THE EXTENT OF THE DISTURBED AREAS.

THE CONTRACTOR HEREBY ACKNOWLEDGES HIS RESPONSIBILITY TO INSTALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ON THIS SITE AND THAT HIS FAILURE TO INSTALL AND MAINTAIN THESE DEVICES COULD RESULT IN FINES OR SUSPENSION OF WORK.
 THE EROSION AND SEDIMENTATION CONTROLS SUCH AS HAY BALES OR SILT FENCE MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, EXCEPT WHERE OTHERWISE SPECIFIED.
 THE CONTRACTOR SHALL MAKE REGULAR INSPECTIONS OF THE SITE TO INSURE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES, AND WILL MAKE REPAIRS AS REQUIRED.

MAINTENANCE OF THE SEDIMENTATION/DETENTION BASINS WILL BE PERFORMED AS NECESSARY, AND AT LEAST TWICE ANNUALLY TO ENSURE THE CONTINUED INFILTRATION OF STORM WATER. ALL MAINTENANCE TO THE SEDIMENTATION/DETENTION BASINS SHALL BE PERFORMED BY THE CONTRACTOR.
 THE EROSION AND SEDIMENTATION CONTROL SHALL BE MAINTAINED UNTIL THE SITE HAS STABILIZED. SILTATION BARRIERS SHALL BE REMOVED ONCE PERMANENT STABILIZATION IS COMPLETE.

ALL STOCKPILED MATERIALS SHALL BE LOCATED IN THE SELF CONTAINED AREA, AND MUST BE RINGED WITH HAY BALES, OR SILT FENCE. ANY STOCKPILED MATERIAL REMAINING FOR MORE THAN ONE MONTH SHALL BE TEMPORARILY SEEDBED FOR STABILIZATION.

PROJECT TIME TABLE

THIS PROJECT WILL COMMENCE IN THE SUMMER OF 2021. FINAL PROJECT COMPLETION WILL DEPEND ON THE CONTRACTOR'S CURRENT DEMAND FOR SAND & GRAVEL.

GENERAL NOTES

"DOWN CUTTING" SHALL BE USED AT EMBANKMENT EXCAVATION TO KEEP STORM RUNOFF AND ASSOCIATED SILTATION CONTAINED WITHIN THE EXCAVATION.

THE EXISTING FARM ROAD GRAVEL ACCESS DRIVE TO THE EXISTING HAUL ROAD PROPERTY LINE SHALL BE MAINTAINED IN A STABLE CONDITION WITH A 3 INCH MINIMUM LAYER OF BITUMINOUS CONCRETE ROAD MILLINGS OR PROCESSED STONE AGGREGATE. ADDITIONAL MILLINGS OR STONE SHALL BE APPLIED AS NECESSARY.

NO MAJOR REPAIR OF EXCAVATING, HAULING, OR LOADING EQUIPMENT SHALL OCCUR ON SITE. NO WASHING OF ANY VEHICLE OR EQUIPMENT SHALL BE PERMITTED ON SITE.

NO STUMPS SHALL BE BURIED ON SITE. STUMPS MAY BE STOCKPILED TEMPORARILY ON SITE WITH A PORTABLE STUMP GRINDER OR MAY BE HAULED OFF SITE AND DISPOSED OF PROPERLY. TEMPORARY STOCKPILING STUMPS SHALL NOT BE DONE WITHIN THE WETLANDS REGULATED AREAS OR WITHIN 100 FEET OF THE PROPERTY LINE.

DUST SHALL BE CONTROLLED BY WATERING THE SURFACE OF THE GROUND WHENEVER DUST CONDITIONS EXIST, INCLUDING THE ACTIVE EXCAVATION AREA.

NO TOPSOIL OR SUBSOIL SHALL BE REMOVED FROM THIS SITE, UNLESS IT REMAINS SURPLUS FROM THE FINAL STABILIZATION PHASE OF WORK.

ALL PERMANENT SEEDING SHALL BE DONE WITH A GRASS DRILL OR CULTIPACKER SEEDER. IF AVAILABLE, ON STEEP SLOPE WHERE DRILLING IS NOT FEASIBLE, BROADCAST SEEDING AND TRACKING WITH A BULLDOZER IS ACCEPTABLE. THE ENTIRE SLOPE SHALL BE COVERED WITH TRACKS BY OFFSETTING EACH PASS.

HYDROSEEDING OR BROADCAST SEEDING WITHOUT TRACKING IS NOT ACCEPTABLE. ALL SEEDED AREAS SHALL BE TRACKED AND THEN MULCHED.

THE MAXIMUM PERMITTED SLOPE IS 2 TO 1. IN THE EVENT THAT STABILIZATION OF THE 3 TO 1 SLOPES BECOMES A PROBLEM, A TURF REINFORCEMENT MAT SHALL BE UTILIZED TO STABILIZE THE SLOPE. THE DESIGN ENGINEER RECOMMENDS THE CURLEX 1 WITH FIBER NET REINFORCEMENT, MANUFACTURED BY THE AMERICAN EXCELSIOR COMPANY. CONTRACTORS CAN CONTACT THE MANUFACTURER THROUGH THEIR WEBSITE AT WWW.CURLEX.COM OR BY PHONE AT 1-800-777-7845.

SMALL TREES (THOSE WITH LESS THAN A 4 INCH CALIPER) AND BRUSH SHALL BE CHIPPED, AND STORED ON SITE TO ASSIST IN MULCHING OF DISTURBED AREAS IN THE RESTORATION PHASE OF THIS PROJECT, ALONG WITH BEING UTILIZED AS A TEMPORARY SILTATION BARRIER IN AREAS WHERE NO CONCENTRATED SURFACE WATER FLOW EXISTS.

THE SITE SHALL BE STABILIZED IN THE FLAT AREAS WITH 12 INCHES OF TOPSOIL AND SUBSOIL MIX, AND 6 INCHES OF THE SAME SUBSOIL AND TOPSOIL MIX ON THE SLOPED EMBANKMENT AREAS.

NO EXCAVATION SHALL OCCUR WITHIN 4 FEET OF THE SEASONAL HIGH GROUND WATER TABLE.

ALL EQUIPMENT SHALL BE FUELED ON THE REFUELING PAD WHICH IS NEXT TO THE EXISTING SCALE HOUSE. ALL REFUELING EQUIPMENT SHALL BE EQUIPPED WITH A SPILL CLEAN UP KIT, WITH A 44 GALLON ABSORPTION CAPACITY, OR APPROVED EQUIVAL.

SITE EQUIPMENT NOTES:

THE ANTICIPATED EQUIPMENT THAT SHALL BE USED FOR THE EXCAVATION PROPOSED IN THIS PROJECT SHALL BE:

- 2 RUBBER TIRE LOADERS
- 2 BULLDOZERS
- 1 SKIDDER
- 1 STUMP GRINDER
- 1 LOGGING GRAPPLE EXCAVATOR (NEEDED FOR STUMP GRINDER)
- 1 WATER TRUCK
- 1 PORTABLE SCREENING PLANT
- 1 PORTABLE CRUSHER
- 1 HYDRAULIC EXCAVATOR WITH HOE-RAM (TO BREAK LARGE BOULDERS)
- 15 TRI-AXLE DUMP TRUCKS, (17 CU. YDS. MAX CAPACITY, 15 CU. AVERAGE LOAD)

IT IS ANTICIPATED THAT THE HOURS OF OPERATION FOR THIS PROJECT WILL BE 7 A.M. TO 5 P.M., MONDAY THROUGH FRIDAY, AND 7 A.M. TO 1 P.M. ON SATURDAY. NO WORK IS TO BE PERMITTED ON SUNDAYS OR HOLIDAYS, AND NO WORK SHALL BE PERFORMED DURING THE HOURS OF 5 P.M. TO 7 A.M.

TOWNE ENGINEERING, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 ROUTE 32 AND RICHMOND LANE, SOUTH WINDHAM CT
 TEL (860) 423-6371/889-2100 FAX 423-5470

EXCAVATION PERMIT PLAN				
PREPARED FOR				
WINDHAM MATERIALS, LLC				
PROPERTY OF				
LAND & SEA RESOURCES, LLC				
PLEASURE HILL ROAD FRANKLIN, CONNECTICUT				
DATE	REVISIONS	BOOK NO.	DRAWN	SHEET NO.
4/30/2021		N/A	JHB	4 OF 4
SCALE		96-83	JHB	JOB NO.
AS SHOWN		CAD DWG	CHECKED	21-012
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