

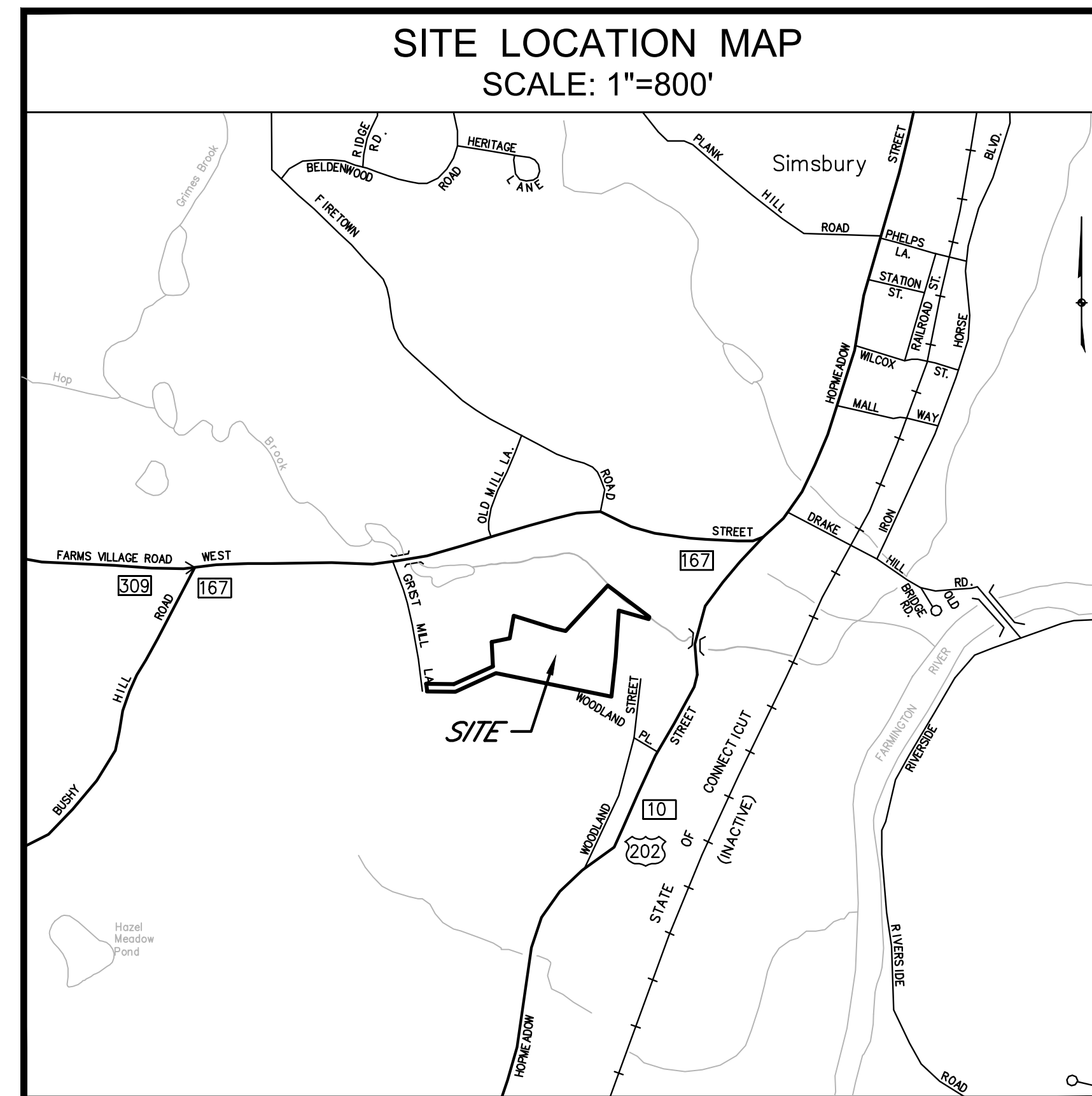
PROPOSED BUILDING ADDITION

100 GRIST MILL ROAD, SIMSBURY, CT

PREPARED FOR

ENSIGN-BICKFORD AEROSPACE & DEFENSE CO.

640 HOPMEADOW STREET, SIMSBURY, CT



DATE: NOVEMBER 2, 2023

GHA PROJECT # 113-65

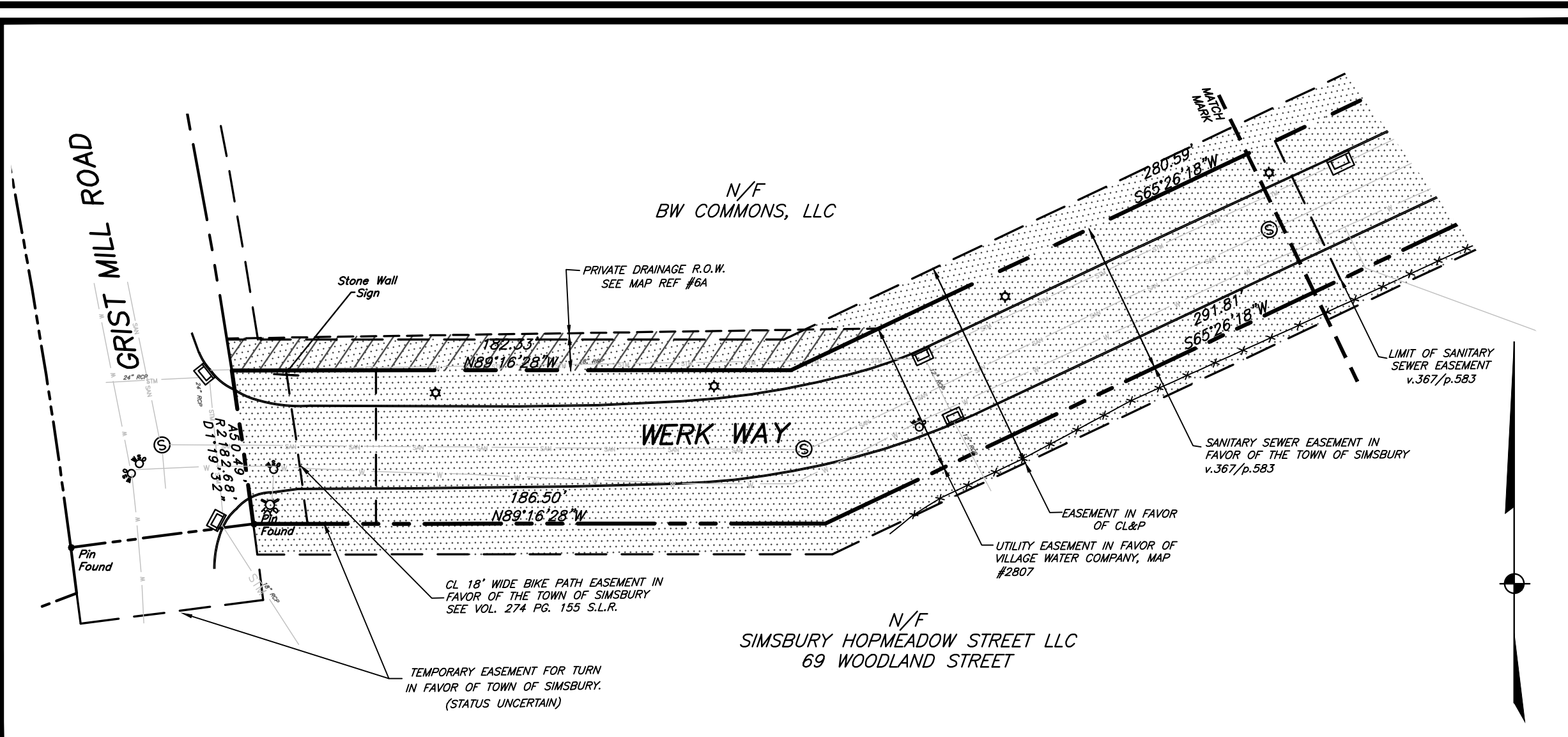
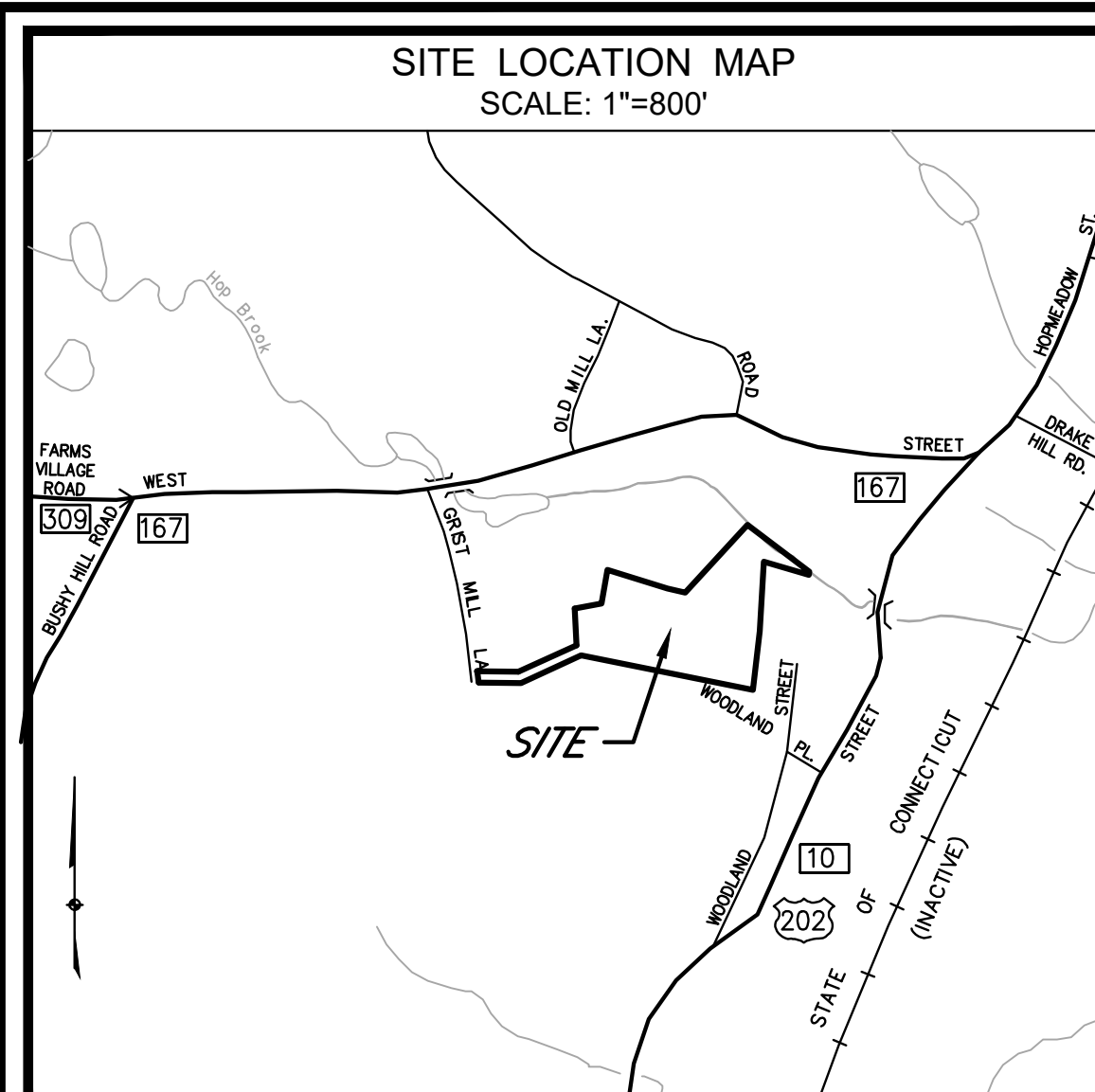


PROFESSIONAL LAND SURVEYORS & CIVIL ENGINEERS
26 BROADWAY NORTH HAVEN, CT 06473; TEL: 203.239.4217 - WWW.GODFREYHOFFMAN.COM
1783 FARMINGTON AVENUE, UNIONVILLE, CT 06085; TEL: 860.673.0444 - WWW.HODGELLCC.COM

**ENSIGN-BICKFORD
AEROSPACE & DEFENSE CO.**
OWNER: ENSIGN-BICKFORD AEROSPACE & DEFENSE CO.; 640 HOPMEADOW ST., SIMSBURY, CT
APPLICANT: ENSIGN-BICKFORD AEROSPACE & DEFENSE CO.; 640 HOPMEADOW ST., SIMSBURY, CT

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C-3.1	EROSION & SEDIMENTATION CONTROL DETAILS & NOTES

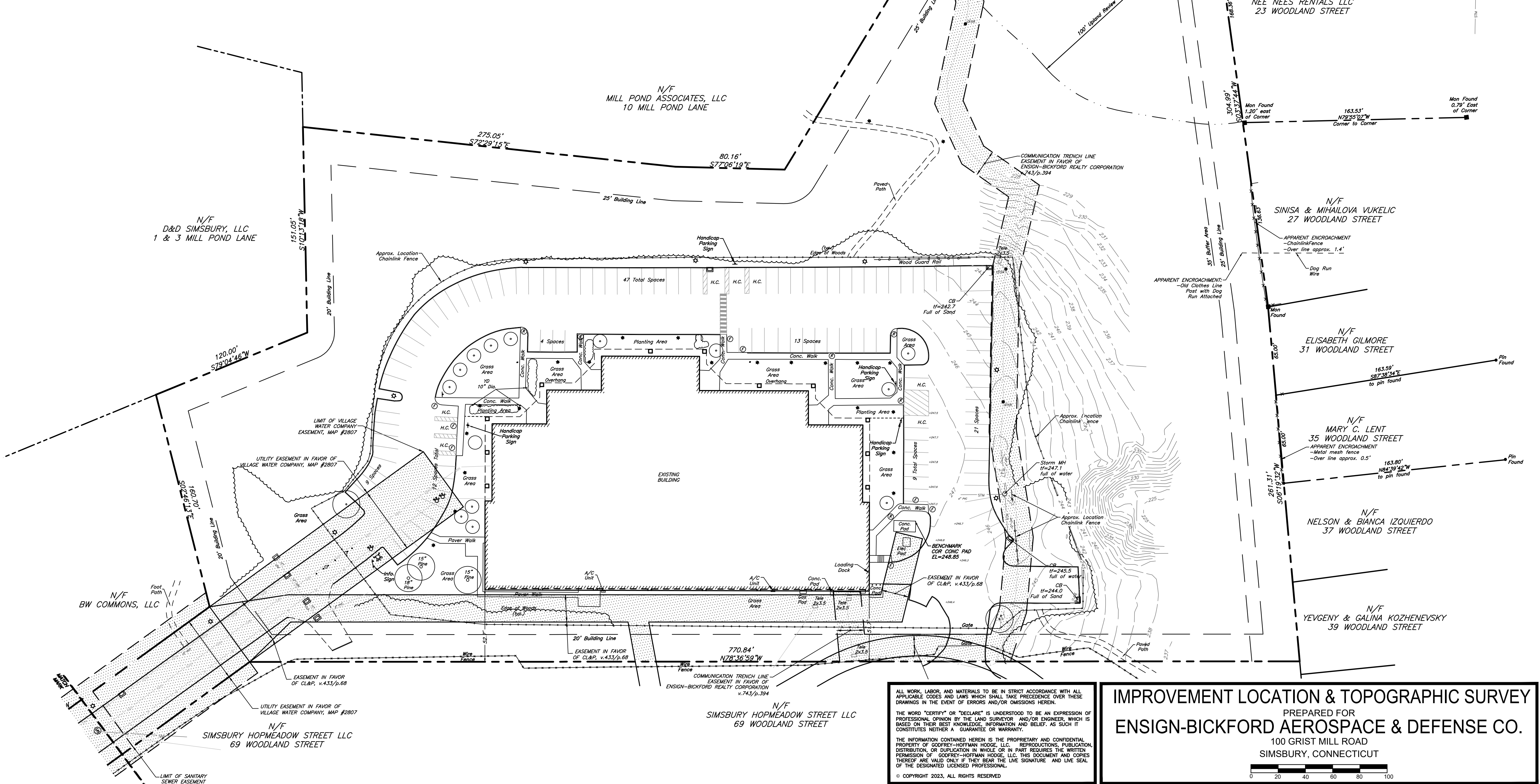


LEGEND

	Property / Street Line		Concrete Monument / TO BE SET
	Easement / Right of Way Line		Iron Pipe / TO BE SET
	Stone Wall		Now or Formerly
	Wire / Chain Link Fence		Ramp/Flush
	Wood / Rail Fence		Type 'C'-L' Catch Basin
	Water Course		Utility Pole
	Existing Contour		Fire Hydrant
	PROPOSED CONTOUR		Light Pole
	PROPOSED SILTENCE		Walk Light
	UGS Underground Electric Line		Wetlands
	OHW Overhead Wires		Existing Spot Grade
	GAS Gas Line		Hatch
	SSM Sanitary Sewer Line		WC Water Gate
	STW Storm Sewer Line		GC Gas Gate
	W Telephone Line		Existing Text - Lower Case "italic" Letters
	Water Line		
	Tree Line		
	Existing Structure		
	PROPOSED CONSTRUCT.		

NOTES:

- THIS MAP AND SURVEY HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300B-1, THRU 20-300B-20, THE ANTI-SURVEY STATUTES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT, EFFECTIVE JUNE 21, 1996, AMENDED OCTOBER 26, 2018.
 - THE HORIZONTAL ACCURACY CONFORMS TO CLASS "2-2", AND THE TOPOGRAPHIC ACCURACY CONFORMS TO CLASS "2-2".
 - THE SURVEY DETERMINATION CATEGORY IS A "RESURVEY".
 - THE TYPE OF SURVEY IS A "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY".
 - WETLANDS DELINEATED BY DAWSON ENVIRONMENTAL, LLC ON 2/15/2023 AND FIELD LOCATED BY GODFREY-HOFFMAN HODGE, LLC ON 02/27/2023.
- ALL MONUMENTATION FOUND OR SET IS DEPICTED ON THIS MAP.
- THE NORTH ARROW BEARINGS, AND COORDINATES ARE BASED UPON THE CONNECTICUT STATE PLANE COORDINATE SYSTEM, AND 83 UTILIZING THE SUPERIOR INSTRUMENTS GPS NETWORK.
- ELEVATIONS, CONTOURS, AND SPOT SHOTS ARE BASED UPON NAVD 88, ADJUSTMENT 96, UTILIZING THE STATE OF CONNECTICUT ACOGN GPS NETWORK.
- ALL BUILDING OFFSETS ARE MEASURED TO FACE OF SIDING UNLESS OTHERWISE NOTED HEREON.
- REFERENCE MAP(S):
 - RESURVEY MAP PARCEL 25 LAND OWNED BY ENSIGN-BICKFORD REALTY CORPORATION EASTERLY OF GRISTMILL ROAD - SIMSBURY, CONNECTICUT SCALE 1"=40' NOVEMBER 1997, REV. 7-23-07 SHEET 1, 2 OF 2 HODGE SURVEYING ASSOCIATES, P.C.
 - IMPROVEMENT LOCATION SURVEY PROPERTY OF GRISTMILL PARTNERS, LLC 100 GRISTMILL ROAD - SIMSBURY, CONNECTICUT SCALE 1"=40' DATED: 11/25/13 HODGE, LL TOPOGRAPHIC PLAN & PROFILE L-11 SITE 25 THE POWDER FOREST PREPARED FOR ENSIGN-BICKFORD REALTY CORP SIMSBURY, CONNECTICUT SCALE 1"=40' DATED: MARCH 31, 1989 REVISED TO 12/15/2009.
 - GENERAL SUBDIVISION PLAN SECTION 1 PARCEL 25 SHEET 1, 2 OF 2 POWDER FOREST BUSINESS PARK EASTERLY OF GRISTMILL ROAD - SIMSBURY, CONNECTICUT SCALE 1"=40' OCTOBER 1997 HODGE SURVEYING ASSOCIATES, P.C.
- PROPERTY IS LOCATED IN ZONING DISTRICT 1-2. TOTAL AREA=0.91ac WITH 1.02a ACRES OF BUFFER AREA.
- PROPERTY IS SUBJECT TO AND TOGETHER WITH THE FOLLOWING:
 - RIGHTS, RESTRICTIONS, ENCUMBRANCES, COVENANTS, EASEMENTS, ETC. AS PER THE RECORD MAY APPEAR.
 - ELECTRICAL DISTRIBUTION SYSTEM EASEMENT IN FAVOR OF THE CONNECTICUT LIGHT & POWER COMPANY DATED JULY 26, 1994 AND RECORDED JULY 27, 1994 IN v.433/p.68.
 - DECLARATION OF EASEMENTS, COVENANTS, AND RESTRICTIONS BY ENSIGN-BICKFORD REALTY CORP. DATED DECEMBER 2, 1983 AND RECORDED DECEMBER 9, 1983 IN v.271/p.246; AS AMENDED AND RESTATED IN AN AMENDED AND RESTATED DECLARATION OF EASEMENTS, COVENANTS AND RESTRICTIONS FOR THE POWDER FOREST BUSINESS PARK, DATED DECEMBER 8, 1997 AND RECORDED IN v.479/p.795; AS FURTHER AMENDED BY SECOND AMENDMENT TO DECLARATION OF EASEMENTS, COVENANTS AND RESTRICTIONS FOR THE POWDER FOREST BUSINESS PARK, DATED NOVEMBER 12, 2000 AND RECORDED IN v.433/p.227 OF THE SIMSBURY LAND RECORDS. REFER TO CERTIFICATE UNDER DECLARATION DATED JANUARY 6, 1998 AND RECORDED JANUARY 7, 1998 IN v.481/p.116; AS FURTHER AMENDED BY A THIRD AMENDMENT DATED JUNE 7, 2005 AND RECORDED IN v.690/p.418. (FOR RELEASE AND TERMINATION OF DECLARATIONS STATED HEREIN SEE v.891/p.883-871)
 - SANITARY SEWER EASEMENT IN FAVOR OF THE TOWN OF SIMSBURY RECORDED FEBRUARY 6, 1990 IN v.367/p.583.
 - RIGHTS IN THE VILLAGE WATER CO. AS SHOWN ON MAP NO. 2807 ON FILE IN THE OFFICE OF THE TOWN CLERK OF THE TOWN OF SIMSBURY.
 - COMMUNICATION EASEMENT AGREEMENT DATED AUGUST 20, 2007 AND RECORDED IN v.743/p.394.
 - SPECIAL EXCEPTION DATED JANUARY 2, 2014 AND RECORDED APRIL 15, 2014.
- PROPERTY IS LOCATED IN FLOOD ZONES "X" (AREAS DETERMINED TO BE OUTSIDE THE 100 YEAR FLOOD PLAIN), "AE SHADY" (AREAS DETERMINED IN THE 100 YEAR FLOOD PLAIN) AND "AE FLOODWAY" (AREAS DETERMINED TO BE IN THE CHANNEL OF A STREAM) AS DEPICTED ON F.I.R.M. MAP NO. 090000031F DATED, SEPTEMBER 26, 2008.
- THE SUBJECT PROPERTY IS DESIGNATED AS MAP 0-11, BLOCK 103, LOT 005-25 ON THE SIMSBURY ASSESSOR'S RECORDS.
- TOTAL NUMBER OF PARKING SPACES= 111. (8 HANDICAP SPACES) (NOTE: PARKING STRIP AT TIME OF SURVEY EXTREMELY FADED IS SOME AREA WHICH MAY AFFECT PARKING COUNT)
- UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON MAY HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES. FROM PUBLIC TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE LOCATIONS OF WHICH ARE UNKNOWN TO GODFREY-HOFFMAN ASSOCIATES. THE SIZE, LOCATION AND DISTANCES OF ALL SUCH FEATURES MUST BE FIELD OBTAINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-955-4465.



TO: ENSIGN-BICKFORD AEROSPACE & DEFENSE CO.
 TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS
 MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

ADAM HOFFMAN, L.S. #15168

NOT VALID WITHOUT LIVE SIGNATURE AND SEAL.



ALL WORK, LABOR, AND MATERIALS TO BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND LAWS WHICH SHALL TAKE PRECEDENCE OVER THESE DRAWINGS IN THE EVENT OF ERRORS AND/OR OMISSIONS HEREIN.

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IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY

PREPARED FOR
ENSIGN-BICKFORD AEROSPACE & DEFENSE CO.

100 GRISTMILL ROAD
 SIMSBURY, CONNECTICUT

SCALE: 1"=40'

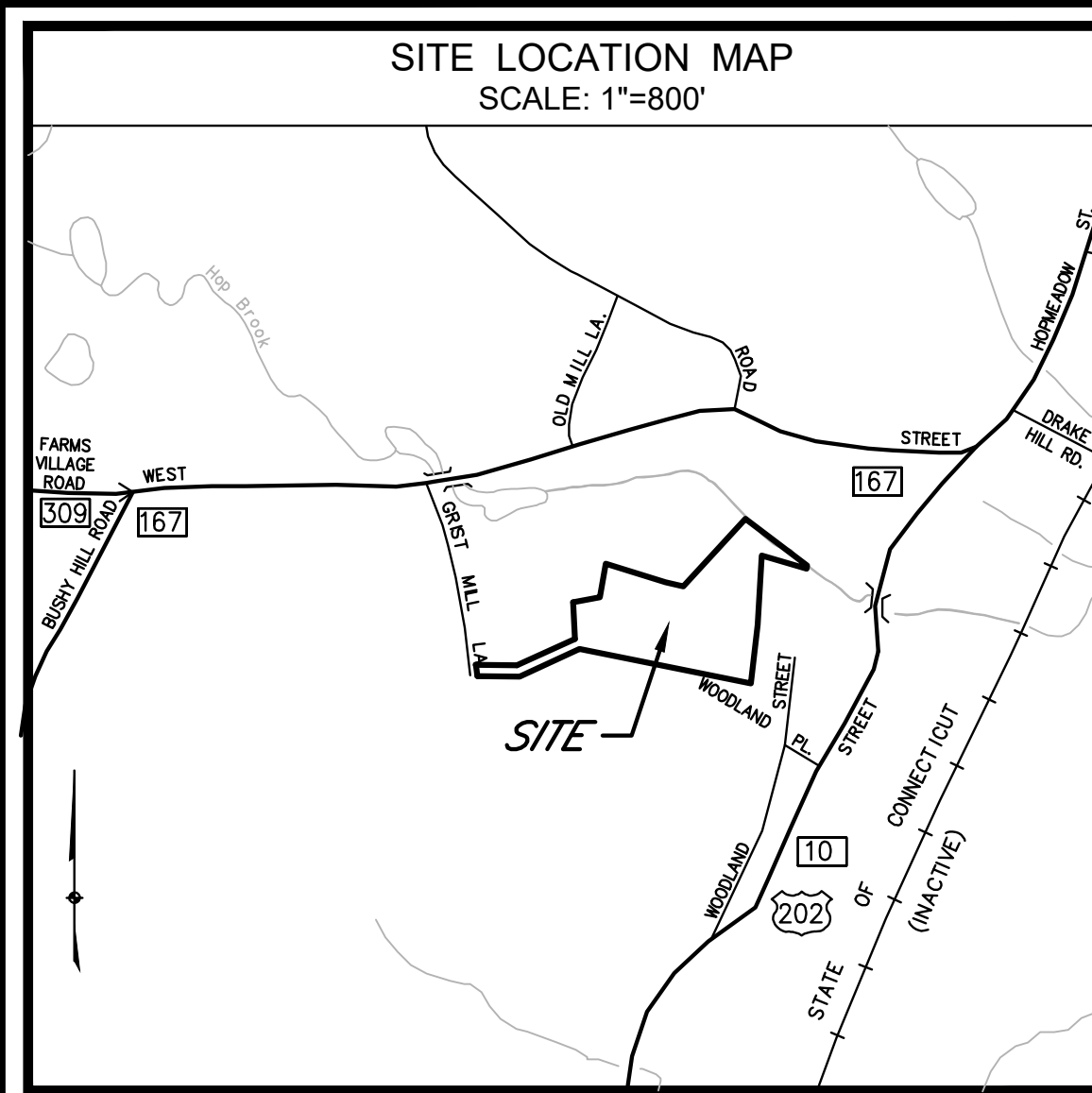
DRAWN BY: KRG
 CHECKED BY: AH
 DATE: 02-27-2023
 SCALE: 1"=40'
 PROJECT: 113-65
 DRAWING: 1 of 1

NO.	DATE	REVISION DESCRIPTION
1	11/2/23	REVISION EASEMENT

GODFREY HOFFMAN HODGE, LLC

PROFESSIONAL LAND SURVEYORS & CIVIL ENGINEERS

26 BROADWAY NORTH AVENUE, CT 06473 TEL: 203.239.4217 WWW.GODFREYHOFFMAN.COM
 1785 FARMINGTON AVENUE, UNIONVILLE, CT 06085 TEL: 860.873.3444 WWW.HODGELLIC.COM



LEGEND

	Property / Street Line		Concrete Monument / TO BE SET
	Easement / Right of Way Line		Iron Pipe
	Stone Wall		Iron Pin / TO BE SET
	Wire / Chain Link Fence		N/F
	Wood / Rail Fence		Now or Formerly
	Water Course		Ramp/Flush
	Existing Contour		Type 'C-1' Catch Basin / PROPOSED
	PROPOSED CONTOUR		Type 'C' Catch Basin / PROPOSED
	PROPOSED SILLING		UTILITY POLE
	Underground Electric Line		FIRE HYDRANT
	Overhead Electric Line		LIGHT POLE
	GAS		WELLHEAD
	Sanitary Sewer Line		EXISTING SPOT GRADE
	Storm Sewer Line		PROPOSED SPOT GRADE
	Telephone Line		HATCH
	Water Line		GATE
	Tree Line		GATE
	Existing Structure		GATE
	PROPOSED CONST. ENTRANCE		GATE

PARKING CRITERIA

USE	AREA / UNITS	RATIO	SPACES REQUIRED
EXISTING CORPORATE OFFICE HEADQUARTERS	40,706 S.F.	1.5 SPACES / 500 S.F.	122
PROPOSED ONE STORY BUILDING ADDITION	3,024 S.F.	1.5 SPACES / 500 S.F.	9
TOTAL SPACES REQUIRED:			131
TOTAL SPACES PROVIDED:			167

ACCESSIBLE PARKING SPACES	REQUIRED	PROVIDED
	7 SPACES	8 SPACES

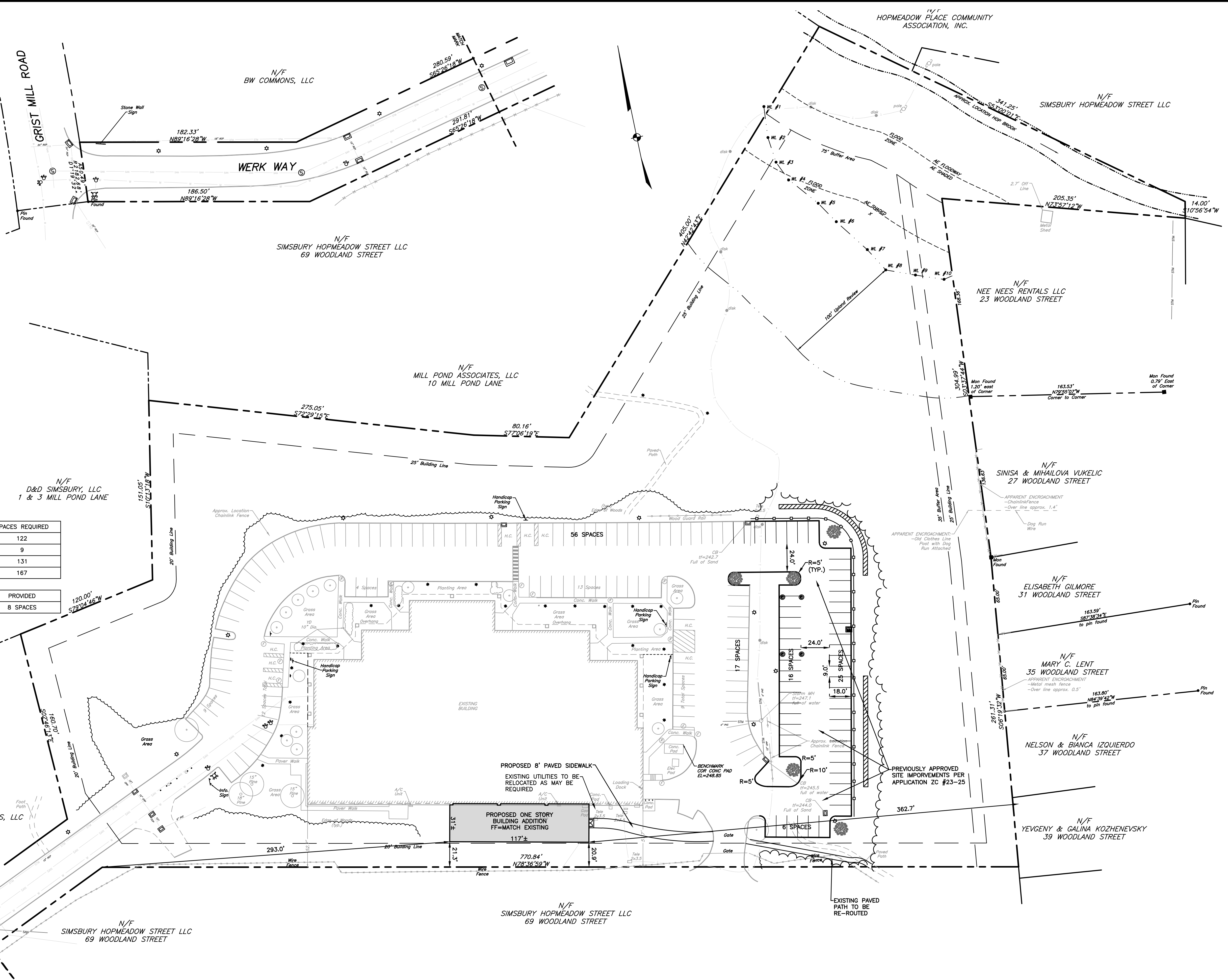
BULK REQUIREMENTS

APPLICANT: ENSIGN-BICKFORD AEROSPACE & DEFENSE CO.
 OWNER: ENSIGN-BICKFORD AEROSPACE & DEFENSE CO.
 ZONE: INDUSTRIAL I-2
 USE: CORPORATE OFFICE HEADQUARTERS

	EXISTING	REQUIRED	PROPOSED
MINIMUM LOT AREA (SQ.FT.)	388,150	NO MIN.	N/C
MINIMUM LOT FRONTAGE (FT.)	-	N/A	-
MINIMUM FRONT YARD (FT.)	N/A	25	N/C
MINIMUM REAR YARD (FT.)	51.7	25	20.9
MINIMUM SIDE YARD EACH (FT.)	N/A	20	N/C
MAXIMUM HEIGHT (FT.)	≤40	40	<40
MAXIMUM IMPERVIOUS COVERAGE (%)	32.8	45	33.8

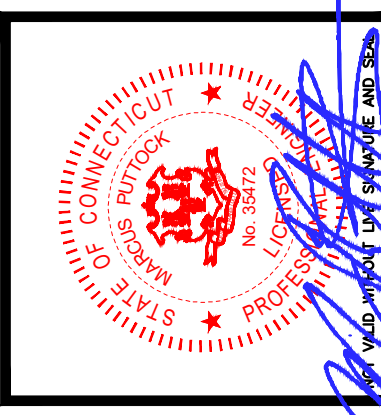
MAP REFERENCE:

PROPERTY LINE AND EXISTING CONDITIONS INFORMATION OBTAINED FROM MAP PREPARED BY GODFREY-HOFFMAN HODGE, LLC, 26 BROADWAY NORTH HAVEN, CT 06473, ENTITLED "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY"; PREPARED FOR ENSIGN-BICKFORD AEROSPACE & DEFENSE; 100 GRIST MILL ROAD, SIMSBURY, CONNECTICUT; DATED 2-27-2023, REVISED TO 11/2/2023.



IMPORTANT NOTE:
 ADDITIONAL UNDERGROUND UTILITIES MAY EXIST. PRIOR TO ANY EXCAVATION OR CONSTRUCTION, CONTACT:
 "CALL BEFORE YOU DIG" 1-800-922-4455

GODFREY-HOFFMAN HODGE, LLC
 PROFESSIONAL LAND SURVEYORS & ENGINEERS
 26 BROADWAY NORTH HAVEN, CT 06473 TEL: 203-239-2371 WWW.GODFREYHOFFMAN.COM
 1783 FARMINGTON AVENUE, UNIONVILLE, CT 06866 TEL: 860-673-0444 WWW.HODGELL.COM



ALL WORK, MEASUREMENTS AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE SURVEYING AND MAPPING ACTS OF THE STATE OF CONNECTICUT. THE WORD "VERIFY" OR "VERIFY" IS UNDERSTOOD TO BE THE OBLIGATION OF THE CONTRACTOR TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED BY THE SURVEYOR. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF GODFREY-HOFFMAN HODGE, LLC. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF GODFREY-HOFFMAN HODGE, LLC. © COPYRIGHT 2022. ALL RIGHTS RESERVED.

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

PROPOSED BUILDING ADDITION
 100 GRIST MILL ROAD
 SIMSBURY, CT

PREPARED FOR:
ENSIGN-BICKFORD AEROSPACE & DEFENSE CO.
 640 HOPMEADOW ST.
 SIMSBURY, CT

SITE PLAN

DRAWN BY: MP/CB
 CHECKED BY: MP
 SCALE: 1"=40'
 PROJECT: 113-65
 DATE: 11/2/2023

C-1.0

GENERAL NOTES:

- HAYBALE FILTERS OR SILTATION FENCE WILL BE INSTALLED AT ALL CULVERT OUTLETS AND ALONG THE TOE OF ALL CRITICAL CUT AND FILL SLOPES.
- CULVERT DISCHARGE AREAS WILL BE PROTECTED WITH RIPRAP CHANNELS; ENERGY DISSIPATORS WILL BE PROVIDED AS NECESSARY.
- CATCH BASINS WILL BE PROTECTED WITH HAYBALE FILTERS OR SILTATION FENCE THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CONNECTICUT EROSION & SEDIMENT CONTROL HANDBOOK.
- EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
- ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED.
- SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
- CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE CITY LAND USE OFFICE OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
- AFFECTED PORTIONS OF OFF-SITE ROADS MUST BE SWEEPED CLEAN WHEN REQUIRED OR AT LEAST ONCE A WEEK DURING CONSTRUCTION. DUST CONTROL TO BE ACHIEVED WITH COVERING TRUCK LOADS, SWEEPING ROADS, WATERING AS REQUIRED, OR AS ORDERED BY THE SITE ENGINEER.
- BRUSH SHALL BE CHIPPED AND REMOVED FROM SITE. GRIND STUMPS OR TRANSPORT OFF-SITE; DO NOT BURY TOPSOIL FROM DISTURBED AREAS SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING.
- AFTER EACH STORM EVENT OR ONCE WEEKLY, ALL SEDIMENT AND EROSION CONTROLS WILL BE INSPECTED. ANY CORRECTIVE ACTIONS TO MITIGATE ENVIRONMENTAL CONCERNS WILL BE ORDERED BY THE SITE ENGINEER OR SITE E&S CONTROL MONITOR.
- ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES WILL BE MAINTAINED IN EFFECTIVE CONDITION UNTIL ALL UPLAND AREAS ARE FULLY STABILIZED. UPON COMPLETION OF WORK, ALL TEMPORARY SEDIMENT CONTROL DEVICES SUCH AS SILT FENCE AND HAYBALES SHOULD BE REMOVED FROM THE SITE AND SEDIMENT REMOVED FROM ALL ON-SITE CATCH BASINS AND DISPOSED OF LEGALLY.
- NO CONSTRUCTION OR CONSTRUCTION EQUIPMENT WILL BE ALLOWED ON THE DOWNHILL SIDE OF THE SILT FENCE AS SHOWN ON PLANS, EXCEPT DURING CONSTRUCTION OF ANY ITEMS SHOWN DOWNHILL OF SILT FENCE.

SEQUENCE OF OPERATIONS:

- FLAG LIMITS OF CONSTRUCTION. SCHEDULE PRE-CONSTRUCTION MEETING WITH REPRESENTATIVES OF THE OWNER, CONTRACTOR, ENGINEER AND LOCAL AUTHORITY.
- HOLD PRE-CONSTRUCTION MEETING PRIOR TO ANY SITE DISTURBANCE. REVIEW EROSION CONTROL PLAN AND DISCUSS SCHEDULING OF SITE INSPECTIONS DURING CONSTRUCTION ACTIVITIES.
- INSTALL CONSTRUCTION ENTRANCE.
- INSTALL PERIMETER EROSION AND SEDIMENTATION CONTROLS IN ACCORDANCE WITH THE E&S CONTROL PLAN.
- BEGIN EXCAVATION AND CONSTRUCTION OF FILL EMBANKMENTS. ESTABLISH SUB-GRADE ELEVATIONS FOR TOPSOIL AREAS, & SIDEWALK AS REQUIRED AND PREPARE BUILDING PAD.
- BEGIN BUILDING CONSTRUCTION.
- INSTALL UNDERGROUND UTILITIES (SANITARY, WATER SERVICE, STORM DRAIN SYSTEM AND OTHER UTILITIES) TO WITHIN 5 FEET OF THE BUILDING.
- PREPARE SUB-BASE, SLOPES, SIDEWALK AND OTHER AREAS OF DISTURBANCE FOR FINAL GRADING.
- PLACE TOPSOIL WHERE REQUIRED. COMPLETE PERIMETER LANDSCAPING.
- UPON SUBSTANTIAL COMPLETION OF THE BUILDING, COMPLETE THE BALANCE OF THE SITE WORK AND STABILIZATION OF ALL OTHER DISTURBED AREAS. INSTALL FIRST COURSE OF PAVING.
- WHEN ALL OTHER WORK HAS BEEN COMPLETED, REPAIR AND SWEEP ALL PAVED AREAS FOR THE FINAL COURSE OF PAVING. INSPECT THE DRAINAGE SYSTEM AND CLEAN AS NEEDED.
- INSTALL FINAL COURSE OF PAVEMENT.
- AFTER SITE IS STABILIZED REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS.

OPERATION & MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES

- SILTATION FENCE
 - ALL SILTATION FENCES SHALL BE INSPECTED AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.
 - SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.
- HAYBALES
 - ALL HAYBALE RINGS SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY MADE AS NEEDED.
 - DEPOSITS SHALL BE REMOVED AND CLEANED-OUT IF ONE HALF OF THE ORIGINAL HEIGHT OF THE BALES BECOMES FILLED WITH SEDIMENT.

CONTINGENCY EROSION PLAN:

SHOULD UNFORESEEN EROSION OR SEDIMENTATION PROBLEMS ARISE, THE DESIGN ENGINEER OF RECORD AND LOCAL ENFORCEMENT AGENT SHALL BE NOTIFIED IMMEDIATELY. AN INSPECTION OF THE AFFECTED AREA(S) SHALL BE PROMPTLY PERFORMED. A REMEDIAL ACTION PLAN SHALL BE FORMULATED WITH THE LOCAL ENFORCEMENT AGENT'S APPROVAL. THE SITE CONTRACTOR SHALL THEN IMPLEMENT THE RECOMMENDED COURSE OF ACTION WHICH HAS BEEN DETERMINED BY BOTH THE ENGINEER AND LOCAL ENFORCEMENT AGENT.

DUST CONTROL:

THE CONTRACTOR SHALL PROVIDE DUST CONTROL THROUGHOUT THE PROJECT UNTIL SUCH TIME AS ALL DISTURBED AREAS HAVE BEEN STABILIZED. THE CONTRACTOR SHALL UTILIZE METHODS ACCEPTABLE TO THE TOWN ENVIRONMENTAL ENFORCEMENT OFFICER. THE FOLLOW OPERATIONS SHALL BE PERFORMED AS A MINIMUM:

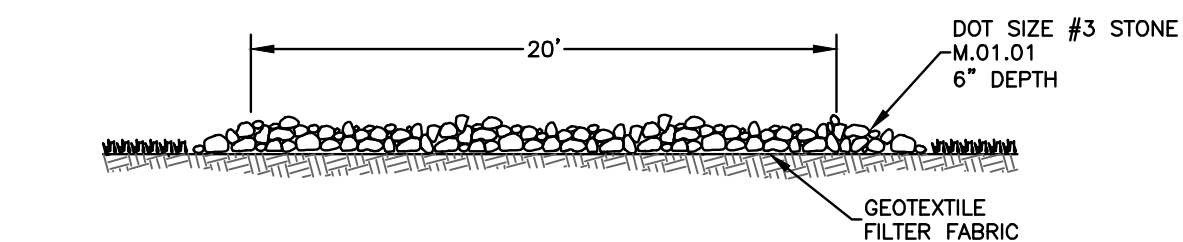
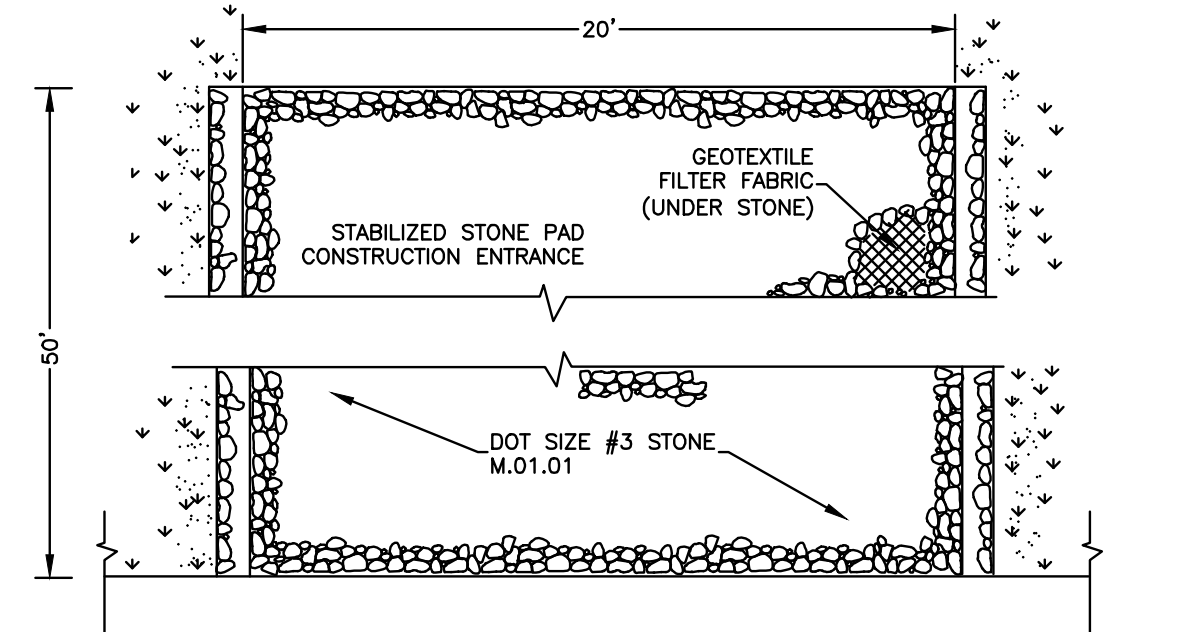
- PERIODICALLY MOISTEN EXPOSED SOIL AREAS WITH WATER ON UNPAVED SURFACES.
- USE OF MECHANICAL SWEEPING ON PAVED AREAS WHERE DUST AND FINE MATERIALS ACCUMULATE AS A RESULT OF TRUCK TRAFFIC, PAVEMENT SAW CUTTING SPILLAGE, AND WIND OR WATER DEPOSITION FROM ADJACENT DISTURBED AREAS. SWEEP DAILY IN HEAVILY TRAFFICKED AREAS AS WARRANTED.
- REPEAT APPLICATION OF DUST CONTROL MEASURES WHEN DUST CONDITIONS BECOME EVIDENT.

TOPSOIL (TO)

MATERIALS:

TOPSOIL SHALL INCLUSIVELY MEAN A SOIL:

MEETING ONE OF THE FOLLOWING SOIL TEXTURES CLASSIFIED ESTABLISHED BY THE USDA CLASSIFICATION SYSTEM BASED UPON THE PROPORTION OF SAND, SILT AND CLAY SIZE PARTICLES AFTER PASSING A 2 MM SIEVE AND SUBJECTED TO A PARTICLE SIZE ANALYSIS: LOAMY SAND, INCLUDING COARSE, LOAMY FINE, AND LOAMY VERY FINE SAND, SANDY LOAM, INCLUDING COARSE, FINE AND VERY FINE SANDY LOAM, LOAM, OR SILT LOAM WITH NOT MORE THAN 60% SILT, CONTAINING NOT LESS THAN 6% AND NOT MORE THAN 20% ORGANIC MATTER AS DETERMINED BY LOSS-ON-IGNITION OF OVEN DRIED SAMPLES DRIED AT 105 DEGREES CENTIGRADE; POSSESSING A PH RANGE OF 6.0-7.5, EXCEPT IF THE VEGETATIVE PRACTICE BEING USED SPECIFICALLY REQUIRES A LOWER PH, THEN THE PH MAY BE ADJUSTED ACCORDINGLY; HAVING SOLUBLE SALTS NOT EXCEEDING 500 PPM, AND THAT IS LOOSE AND FRIABLE AND FREE FROM REFUSE, STUMPS, ROOTS, BRUSH, WEEDS, FROZEN PARTICLES, ROCKS AND STONES OVER 1 1/4" IN DIAMETER, AND ANY MATERIAL THAT WILL PREVENT THE FORMATION OF A SUITABLE SEEDBED AND PREVENT SEED GERMINATION AND PLANT GROWTH. TOPSOIL MAY OF NATURAL ORIGIN OR MANUFACTURED BY BLENDING COMPOSTED ORGANIC MATERIALS WITH ORGANIC DEFICIENT SOILS, MINERAL SOILS, SAND AND LIME SUCH THAT THE RESULTING SOIL MEETS THE MATERIAL SPECIFICATIONS ABOVE.

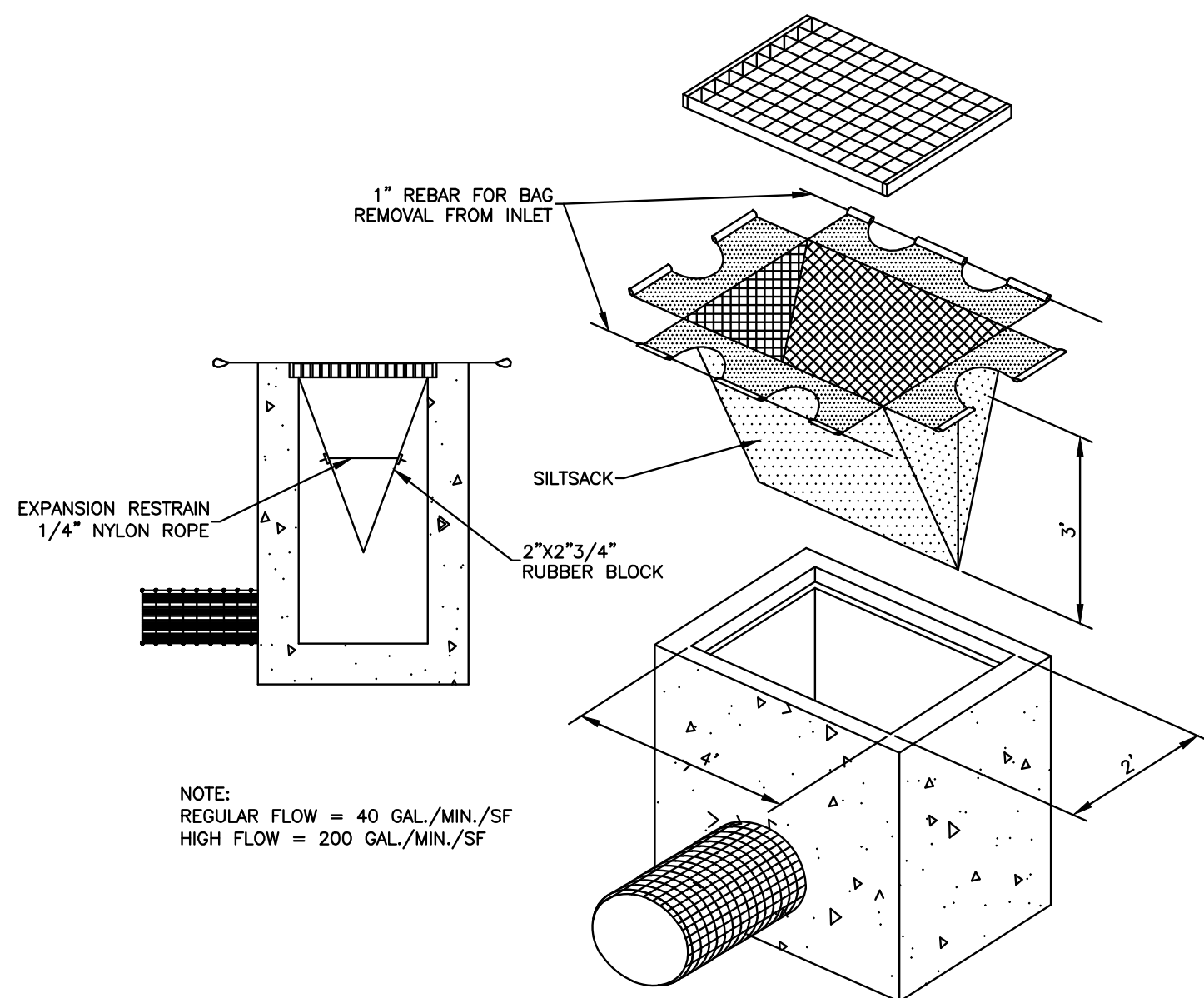


CONSTRUCTION ENTRANCE NOTES:

- MATERIALS
 - STONE: USE ANGULAR STONE SIZED ACCORDING TO THE STANDARDS SET BY ASTM C-33, SIZE NO. 2 OR 3, OR DOT STANDARD SPECIFICATIONS SECTION M.01.01, SIZE #3.
 - GEOTEXTILE: FIBERS USED IN THE GEOTEXTILE SHALL CONSIST OF SYNTHETIC POLYMERS COMPOSED OF AT LEAST 85% BY WEIGHT POLYPROPYLENES, POLYESTERS, AND POLYAMIDES, POLYETHYLENE, POLYOLEFINS, OR POLYVINYLIDENE-CHLORIDES. THE FIBERS SHALL BE FORMED IN A STABLE NETWORK OF FILAMENTS OR YARNS RETAINING DIMENSIONAL STABILITY RELATIVE TO EACH OTHER. THE GEOTEXTILE USED SHALL BE SPECIFICALLY INTENDED FOR "ROAD STABILIZATION" APPLICATIONS AND SHALL BE CONSISTENT WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE INTENDED USE.
- DIMENSIONS SHALL BE AS INDICATED ON THE DETAIL.
- CONSTRUCTION: CLEAR THE AREA OF THE ENTRANCE OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. AT POORLY DRAINED LOCATIONS INSTALL SUBSURFACE DRAINAGE INSURING THE OUTLETS TO THE DRAINS ARE FREE-FLOWING. IF USING GEOTEXTILE IN PLACE OF A FREE DRAINING MATERIAL, UNROLL THE GEOTEXTILE IN A DIRECTION PARALLEL TO THE ROADWAY CENTERLINE IN A LOOSE MANNER PERMITTING IT TO CONFORM TO THE SURFACE IRREGULARITIES WHEN THE STONE IS PLACED. THE GEOTEXTILE MAY BE TEMPORARILY SECURED WITH PINS RECOMMENDED OR PROVIDED BY THE MANUFACTURER BUT THEY SHALL BE REMOVED PRIOR TO PLACEMENT OF THE STONE. PLACE THE GEOTEXTILE AS SPECIFICALLY INTENDED FOR "ROAD STABILIZATION" APPLICATIONS AND SHALL BE CONSISTENT WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE INTENDED USE.
- MAINTENANCE: MAINTAIN THE ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF THE SEDIMENT ONTO PAVED SURFACES. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND. ROADS ADJACENT TO THE CONSTRUCTION SITE SHALL BE LEFT CLEAN AT THE END OF EACH DAY. IF THE CONSTRUCTION ENTRANCE IS BEING PROPERLY MAINTAINED AND THE ACTION OF A VEHICLE TRAVELING OVER THE STONE PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE SEDIMENT, THEN EITHER (1) INCREASE THE LENGTH OF THE CONSTRUCTION ENTRANCE, OR (2) MODIFY THE CONSTRUCTION ACCESS ROAD SURFACE, OR (3) INSTALL WASHING RACKS AND ASSOCIATED SETTLING AREA OR SIMILAR DEVICES BEFORE THE VEHICLE ENTERS PAVED SURFACES.

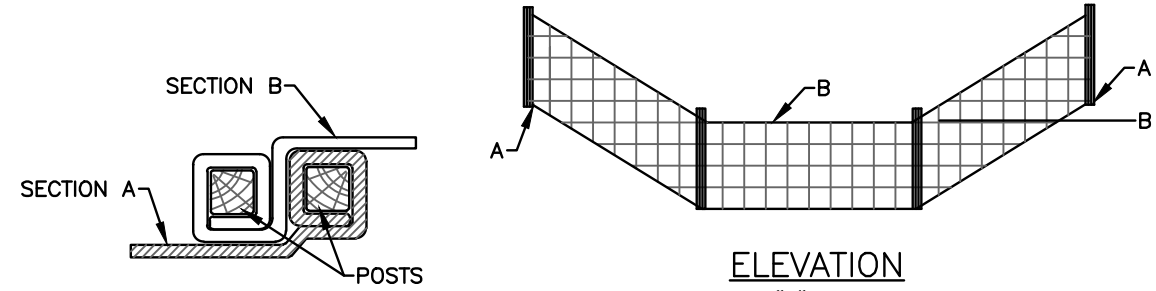
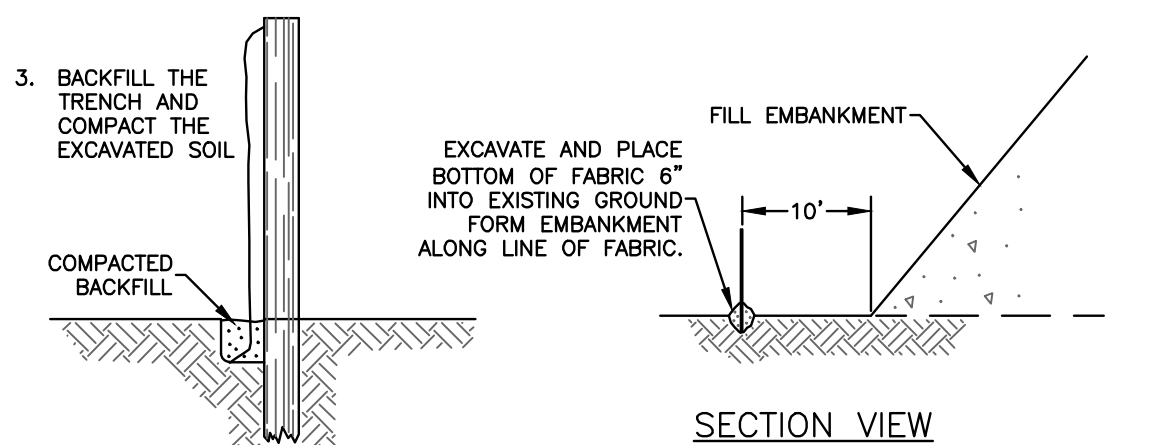
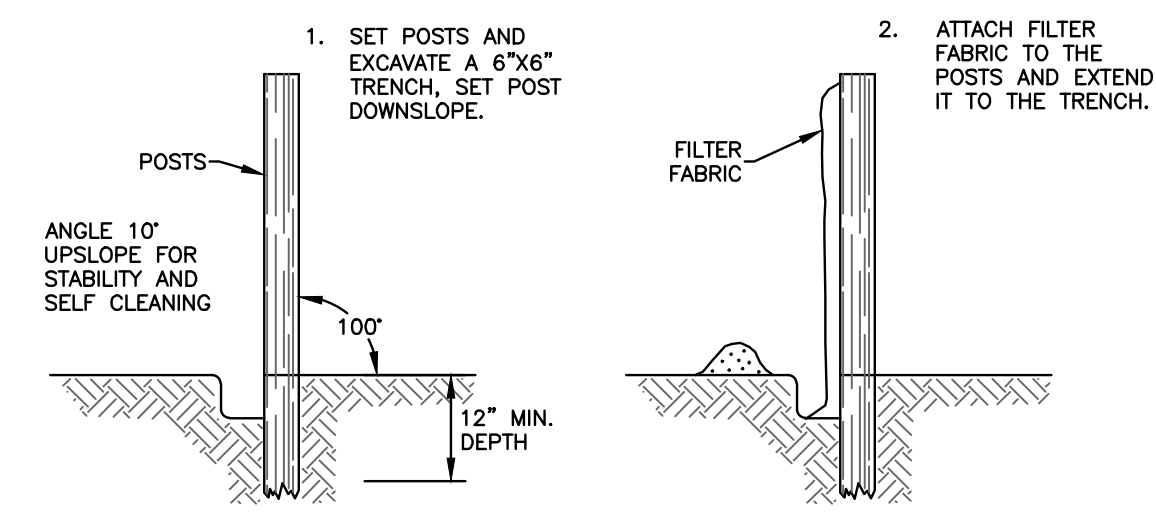
CONSTRUCTION ENTRANCE

NOT TO SCALE

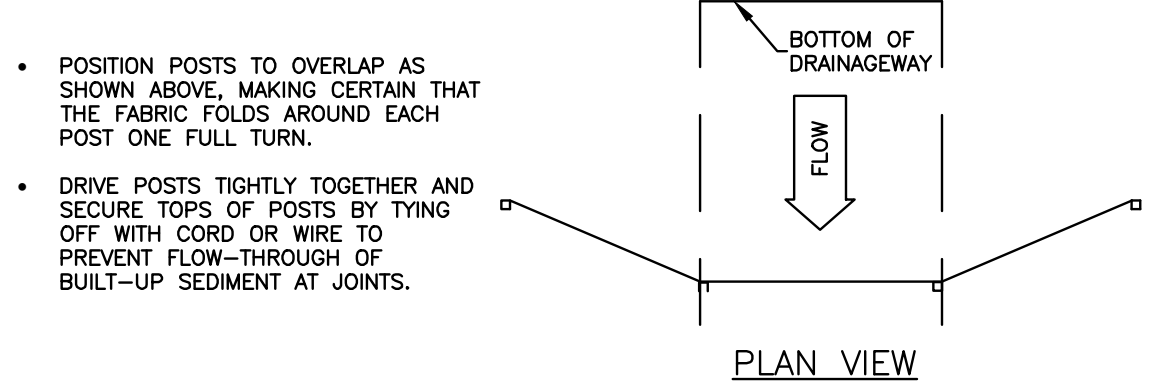


SILTSACK DETAIL

NOT TO SCALE



DETAIL OF FENCE JOINT (Top View)



SILT FENCE NOTES:

MATERIALS:

GEOTEXTILE FABRIC: GEOTEXTILE FABRIC SHALL BE A PERVIOUS SHEET OF POLYPROPYLENE, NYLON, POLYESTER, ETHYLENE OR SIMILAR FILAMENTS AND SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

PHYSICAL PROPERTY	TEST METHOD	MINIMUM REQUIREMENT
FILTERING EFFICIENCY	ASTM 5141	75% (MINIMUM)
GRAB TENSILE STRENGTH	ASTM D4632	100 LBS.
ELONGATION @ FAILURE	ASTM D4632	75%
MULLEN BURST STRENGTH	ASTM D3786	250 PSI
PUNCTURE STRENGTH	ASTM 4833	50 LBS.
APPARENT OPENING SIZE	ASTM D4751	NO LESS THAN 0.90 MM AND NO GREATER THAN 0.60 MM
FLOW RATE	ASTM D4491	0.2 GAL/FT ² /MIN.
PERMATIVITY	ASTM D4491	0.05 SEC. -1 (MIN.)
ULTRAVIOLET RADIATION STABILITY %	ASTM D4355	70% AFTER 500 HOURS OF EXPOSURE (MIN.)

SUPPORTING POSTS: POSTS SHALL BE AT LEAST 42" LONG MADE OF EITHER 1.5 INCH SQUARE HARDWOOD STAKES OR SHALL BE POSTS WITH PROJECTIONS FOR FASTENING THE GEOTEXTILE POSSESSING A MINIMUM STRENGTH OF 0.5 POUNDS PER LINEAR FOOT.

INSTALLATION:

TRENCH EXCAVATION: EXCAVATE A TRENCH 6 INCHES DEEP AND 6 INCHES WIDE ON THE UPHILL SIDE OF THE FENCE LOCATION. FOR SLOPE AND SWALE INSTALLATIONS, EXTEND THE ENDS OF THE TRENCH UPHILL SO THAT THE BOTTOM END OF THE FENCE WILL BE HIGHER THAN THE TOP OF THE LOWEST PORTION OF THE FENCE.

SUPPORT POSTS: INSTALL SUPPORT POSTS ON THE DOWNHILL SIDE OF THE TRENCH TO A MINIMUM DEPTH OF 12 INCHES TO ORIGINAL GROUND. SUPPORT POSTS SHALL BE SPACED NO GREATER THAN 10 FEET APART. SUPPORT POSTS SHOULD BE INSTALLED CLOSER THAN 10 FEET ON STEEP SLOPES OR WHEN CONCENTRATED FLOWS ARE ANTICIPATED.

GEOTEXTILE FILTER FABRIC: STAPLE OR SECURE THE GEOTEXTILE TO THE SUPPORT POSTS PER MANUFACTURER'S INSTRUCTION SUCH THAT AT LEAST 6 INCHES OF GEOTEXTILE LIES WITHIN THE TRENCH. THE HEIGHT OF THE FENCE SHALL NOT EXCEED 30 INCHES.

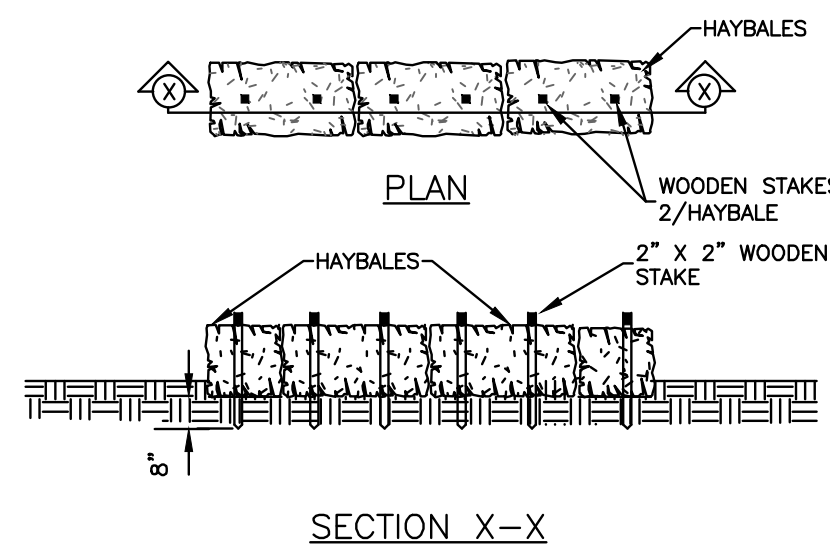
BACKFILL & COMPACTION: BACKFILL TRENCH WITH TAMPED SOIL OR AGGREGATE OVER THE GEOTEXTILE.

MAINTENANCE:

SILT FENCE SHOULD BE INSPECTED AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCHES OR GREATER. SEDIMENT DEPOSITS ARE TO BE REMOVED. FENCE SHOULD BE REPAIRED OR REPLACES WITHIN 24 HOURS OF OBSERVED FAILURE.

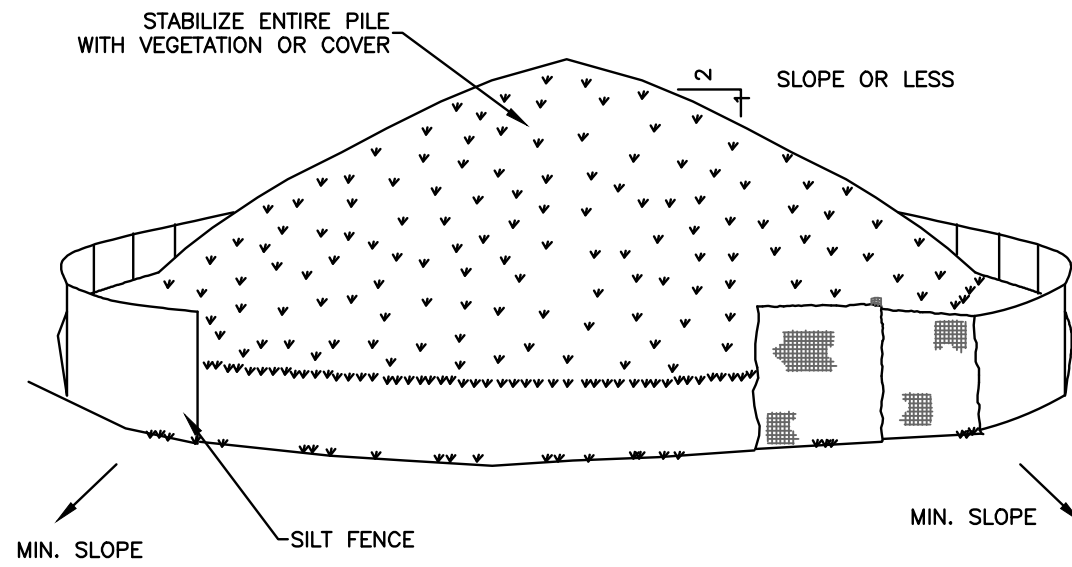
GEOTEXTILE SILT FENCE (GSF):

NOT TO SCALE



STAKED HAYBALES

NOT TO SCALE

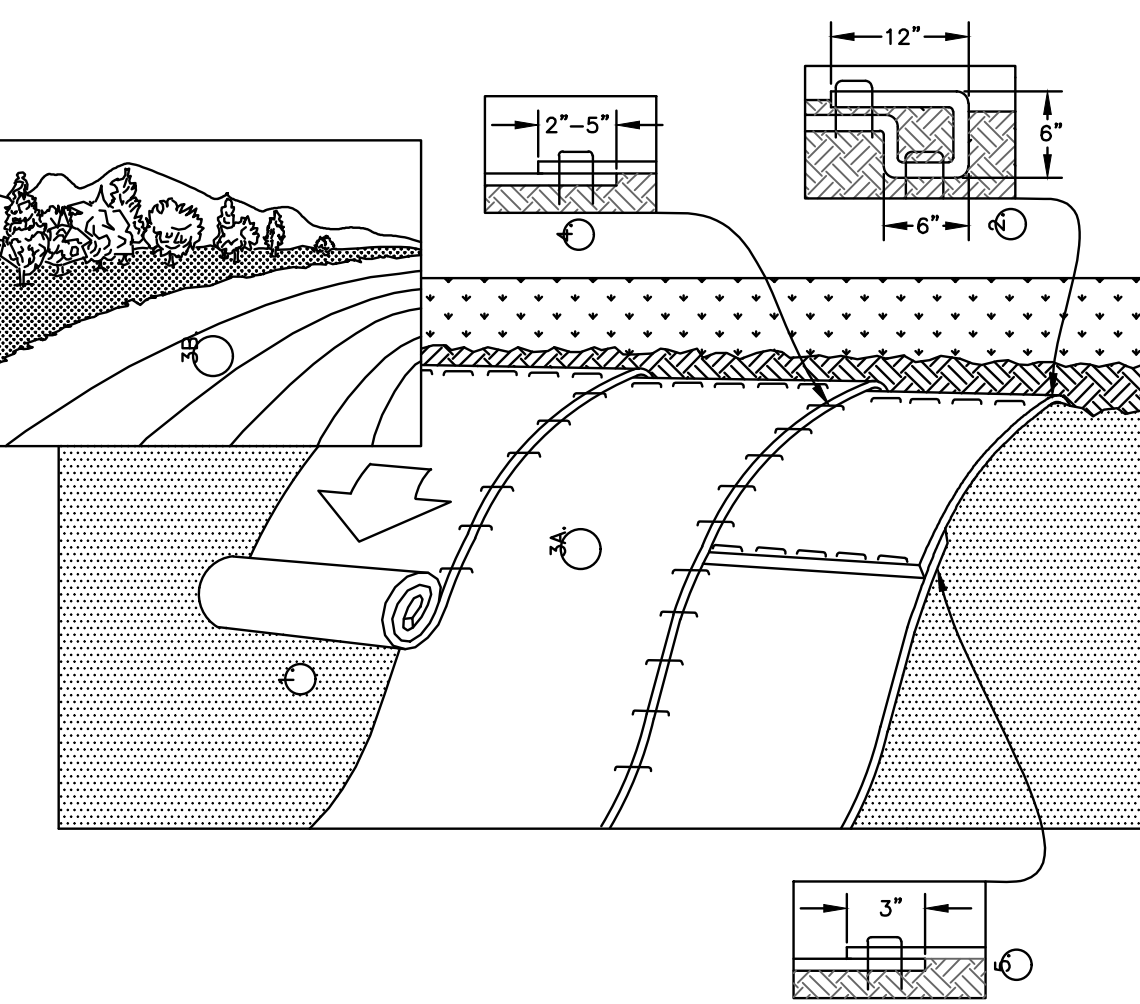


INSTALLATION NOTES:

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 2 HORIZONTAL TO 1 VERTICAL.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVER.

SOIL STOCKPILING

NOT TO SCALE



INSTALLATION PROCEDURE:

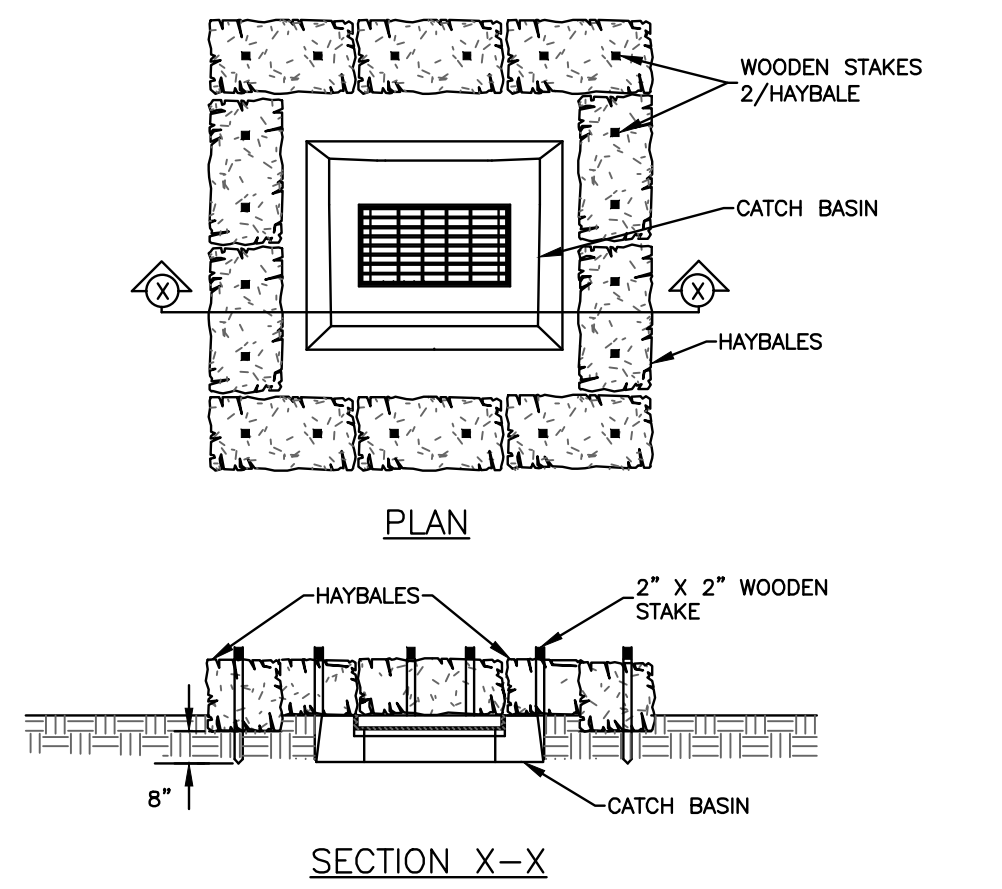
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. 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.
- ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE STAPLE 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 BLANKET WIDTH.

EROSION CONTROL BLANKET NOTES:

- EROSION CONTROL BLANKET TO BE INSTALLED ON ALL SLOPES 3 HORIZONTAL TO 1 VERTICAL OR STEEPER.
- IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS

EROSION CONTROL BLANKET

NOT TO SCALE



HAYBALES AT CATCH BASIN

NOT TO SCALE

GODFREY & HOFFMAN
HODGE, LLC
 PROFESSIONAL LAND SURVEYORS & CIVIL ENGINEERS
 1000-000-0000
 1000-000-0000
 1000-000-0000

STATE OF CONNECTICUT
 PROFESSIONAL ENGINEER
 LICENSE NO. 10000
 EXPIRES 12/31/2023

ALL WORK, LABOR, AND MATERIALS TO BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS OF THE STATE OF CONNECTICUT AND ANY OTHER APPLICABLE CODES, ORDINANCES, AND REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ENFORCEMENT AGENT. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ADJACENT PROPERTIES AND UTILITIES FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATION OF ANY DAMAGE TO ADJACENT PROPERTIES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT PROPERTIES AND UTILITIES.

NO.	DATE	REVISION	SCHEDULE	DESCRIPTION

PROJECT:

PROPOSED BUILDING ADDITION

100 GRIST MILL ROAD
 SIMSBURY, CT

PREPARED FOR:

ENSIGN-BICKFORD AEROSPACE & DEFENSE CO.

640 HOPMEADOW ST.
 SIMSBURY, CT

EROSION & SEDIMENTATION CONTROL DETAILS & NOTES

DRAWN BY: MP/CB
 CHECKED BY: MP
 SCALE: AS NOTED
 PROJECT: 113-65
 DATE: 11/2/2023

C-3.1