

A&B EXCAVATION

69 FITCH HILL RD & LEFFINGWELL RD

MONTVILLE, CT

ZONING COMPLIANCE CHART

ZONING DISTRICT: LI

ITEM	REQUIRED	PROPOSED
LOT AREA	40,000 SF	1,482,199 SF
LOT FRONTAGE	100 FT	201 FT
FRONT YARD SETBACK	50 FT	50 FT
SIDE YARD SETBACK	30 FT	65 FT & 34 FT
REAR YARD SETBACK	30 FT	710 FT
BUILDING HEIGHT	N/A	N/A

PARKING CALCULATIONS

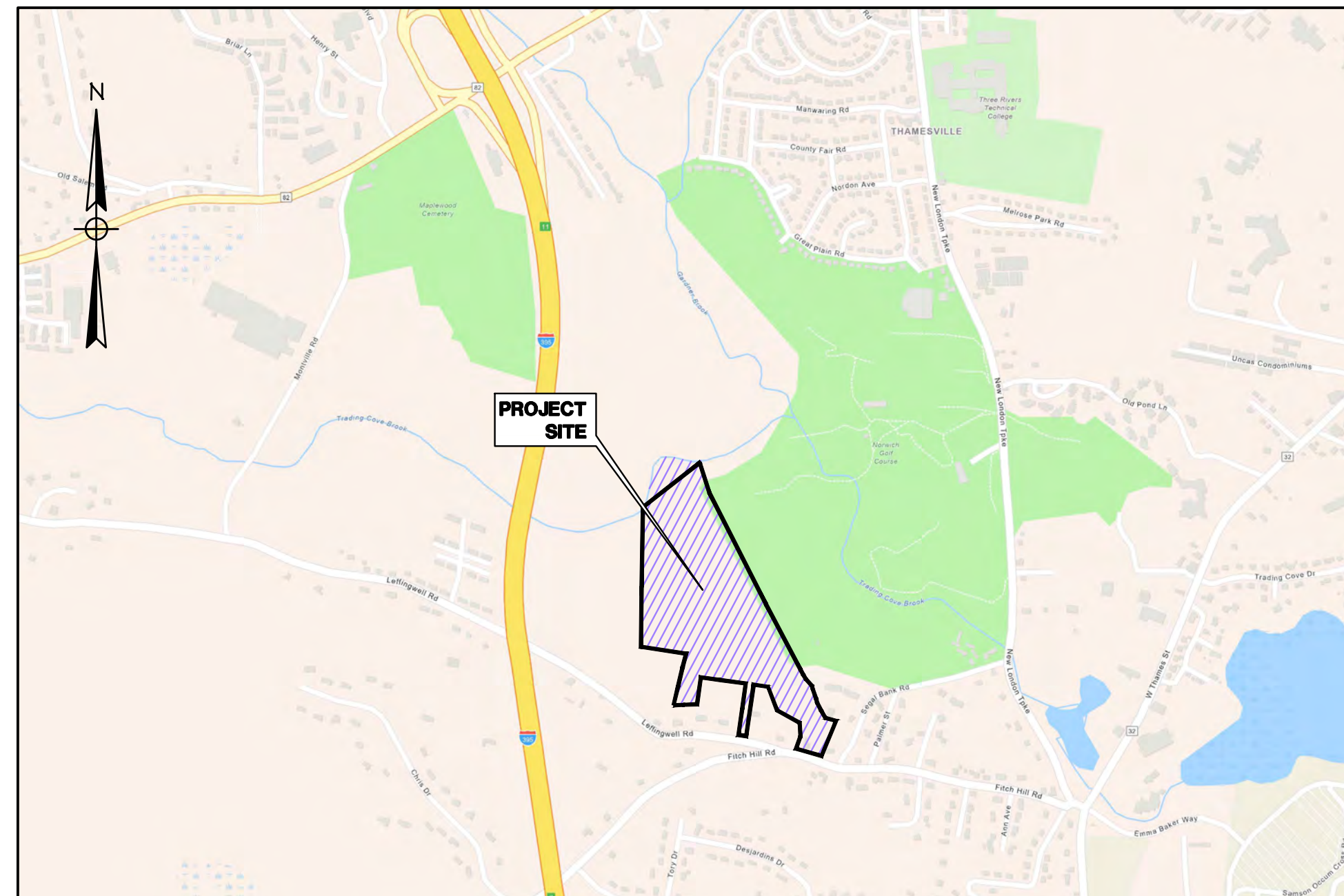
BUILDING 1
6,000 SF @ 1 SPACE/1,000 SF = 6 SPACES
6 SPACES PROVIDED

BUILDING 2
19,920 SF @ 1 SPACE/1,000 SF = 20 SPACES
26 SPACES PROVIDED

BUILDING 3
19,920 SF @ 1 SPACE/1,000 SF = 20 SPACES
26 SPACES PROVIDED

FRONT OFFICE BUILDING
4,566 SF OFFICE SPACE
@ 1 SPACE/250 SF = 18 SPACES

1,916 SF STORAGE/WAREHOUSE
@ 1 SPACE/1,000 SF = 2 SPACES
20 SPACES PROVIDED



LOCATION MAP
SCALE: 1" = 1000'

INDEX TO DRAWINGS

DRAWING NO.	DESCRIPTION OF DRAWINGS
1	COVER
2-3	BOUNDARY SURVEY
4	SITE PLAN
5-6	GRADING/E&S PLANS
7	SEPTIC PLAN
8	SITE DETAILS
9	SEPTIC DETAILS
10	E&S DETAILS
11	PLANTING PLAN

OWNER/APPLICANT:
ANDREW PETROWSKI
37 COVE RD
UNCASVILLE, CT 06382

ADDRESS:
69 FITCH HILL RD & LEFFINGWELL RD
MONTVILLE, CT

MAP/LOT:
#062-036-000

MAY 25, 2023
MAY 5, 2023
APRIL 2023



GREEN SITE DESIGN
— LLC —
317 Main Street Norwich, Connecticut
(860) 892-1380 Fax (860) 886-9165

EROSION & SEDIMENT CONTROL PLAN CERTIFIED BY THE VOTE OF THE MONTVILLE PLANNING & ZONING COMMISSION

CHAIRMAN OR SECRETARY OF THE COMMISSION _____ DATE _____

I HAVE REVIEWED THE WETLANDS ON THE PROPERTY IN THE FIELD AND HAVE REVIEWED THE WETLANDS AS SHOWN ON THE PLAN AND FIND THAT THEY SUBSTANTIALLY REPRESENT THE WETLANDS AS DELINEATED IN THE FIELD.

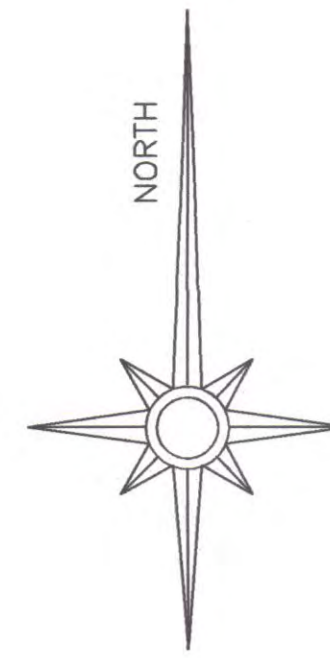
JOSEPH R. THEROUX _____ DATE _____
CERTIFIED SOIL SCIENTIST

LEGEND

	PROPERTY LINE
	EDGE OF PAVEMENT
	DRAINAGE
	WATER
	SEWER
	GAS
	ELECTRIC
	CONTOUR
	TREE LINE
	GUIDERAIL
	SIGNS
	CATCH BASIN
	IRON PIN, IRON PIPE
	FIRE HYDRANT
	ELECTRIC MANHOLE
	SEWER MANHOLE
	GAS GATE, WATER GATE
	LAMP

MATCH TO SHEET 2

SEE SHEET 2 OF 2 FOR SURVEY NOTES AND REFERENCES



N/F SERVICE STATION EQUIPMENT INC. 33 LEFFINGWELL ROAD VOLUME 532 PAGE 358

N/F SERVICE STATION EQUIPMENT INC. 33 LEFFINGWELL ROAD VOLUME 532 PAGE 358

N/F JOSE ALVAREZ & JEREIDI ALVAREZ 21 LEFFINGWELL ROAD VOLUME 654 PAGE 748

N/F VI T TRUONGCAO & LAN N LA 17 LEFFINGWELL ROAD VOLUME 373 PAGE 568

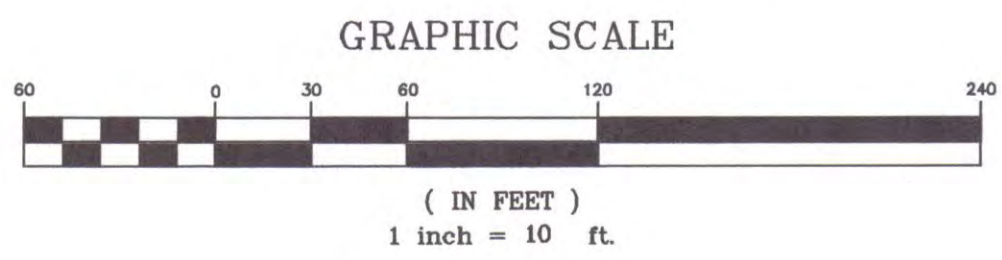
N/F JIN WEN CHEUNG & LAI PING LI 9 LEFFINGWELL ROAD VOLUME 529 PAGE 544

N/F ROBERT M COGGESHALL & KATHY L COGGESHALL 73 OLD FITCH HILL ROAD VOLUME 488 PAGE 192

N/F GOLF HILL ESTATES 18 OLD FITCH HILL ROAD

N/F JESSE DEVELOPMENT 14 OLD FITCH HILL ROAD VOLUME 495 PAGE 1099

N/F ROBERT M COGGESHALL & KATHY L COGGESHALL 9 OLD FITCH HILL ROAD VOLUME 101 PAGE 658



LEGEND
THE FOLLOWING SYMBOLS/ABBREVIATIONS MAY APPEAR ON THIS DRAWING

AC	ACRES	HTB	HIGH TIDE BUSH
BF	BASEMENT FLOOR	SP	SPARTINA PATENS
BIT	BITUMINOUS	SA	SPARTINA ALTERNAFLORA
BCLC	BITUMINOUS CONCRETE LIP CURBING	TBR	TO BE REMOVED
CONC	CONCRETE	TYP	TYPICAL
DIA	DIAMETER	⊕ P-5	SOIL PERC TEST LOCATION
DB	DISTRIBUTION BOX	⊕ THB	SOIL DEEP TEST LOCATION
EOP	EDGE OF PAVEMENT	⊕ W	WELL
ELEV	ELEVATION	⊕ H	HYDRANT
FF	FINISHED FIRST FLOOR	⊕ T	TREE
LF	LINEAR FOOT	---	BUILDING SETBACK LINE
(MIN)	MINIMUM	---	CLEARING LIMIT LINE
M/L	MORE OR LESS	---	EXISTING TREELINE
N/F	NOW OR FORMERLY	---	EXISTING CONTOUR
PVC	POLY VINYL CHLORIDE	---	NEW CONTOUR
SCH40	SCHEDULE 40	---	SEDIMENT FENCE
5.4x	SPOT ELEVATION	---	STORM DRAIN PIPE
SF	SQUARE FEET	---	STONE WALL
TR	TO REMAIN	S	SANITARY SEWER
		W	WATER

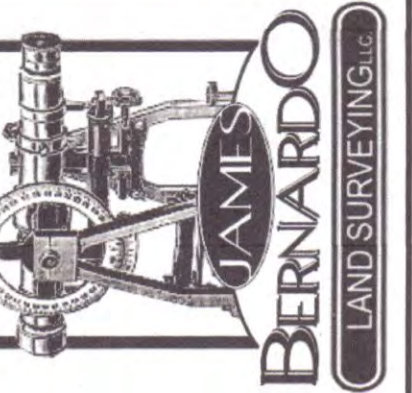
TOTAL AREA=1,477,400 SQ FT M/L
33.9 ACRES M/L



TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

James Bernardo
JAMES BERNARDO LICENSE #70121 DATE 7-14-2022

JAMES BERNARDO
LAND SURVEYING, LLC
102A SPITHEAD ROAD
WATERFORD, CONNECTICUT 06385
(860) 447-0236
WWW.JBSURVEYING.COM

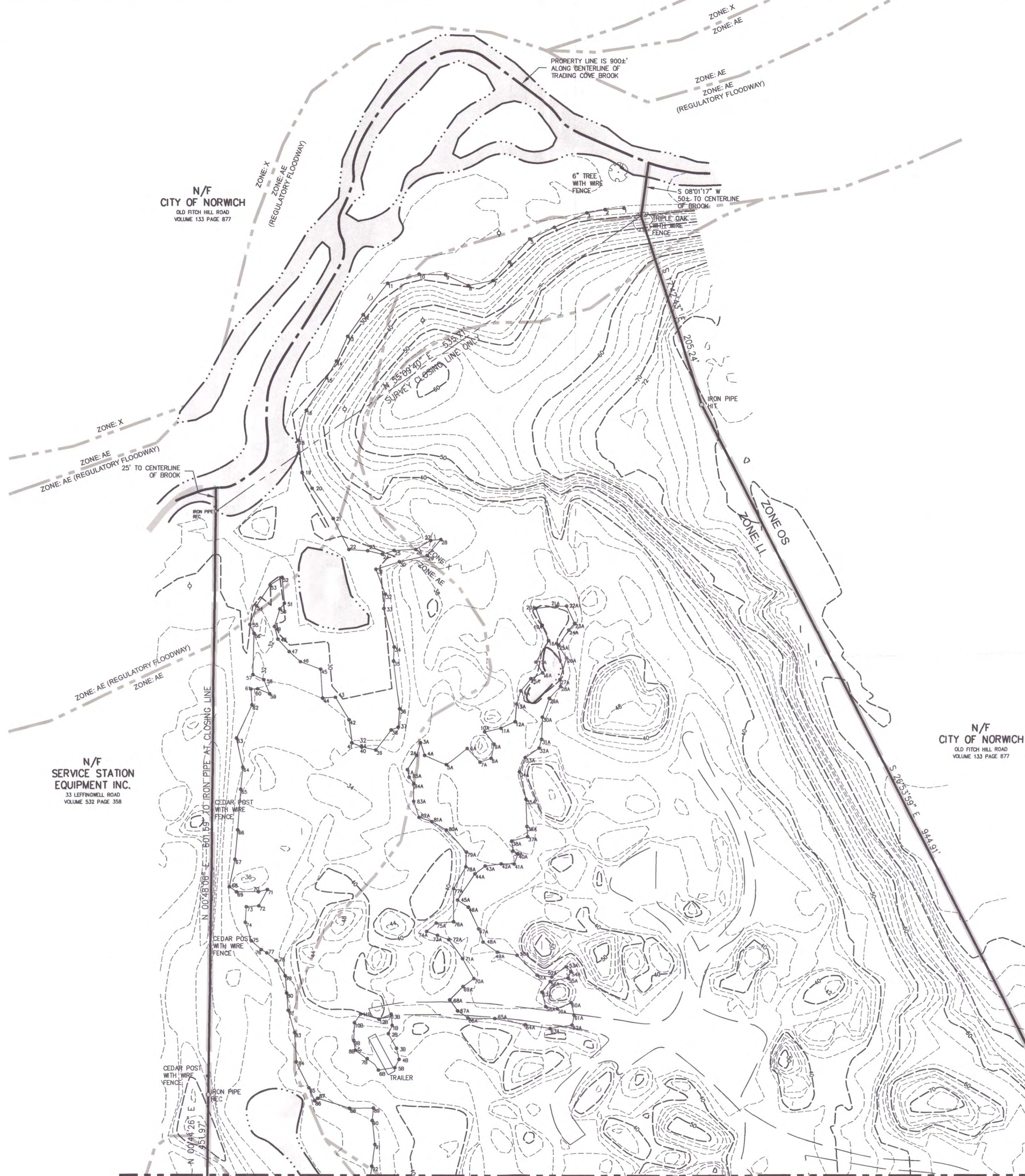
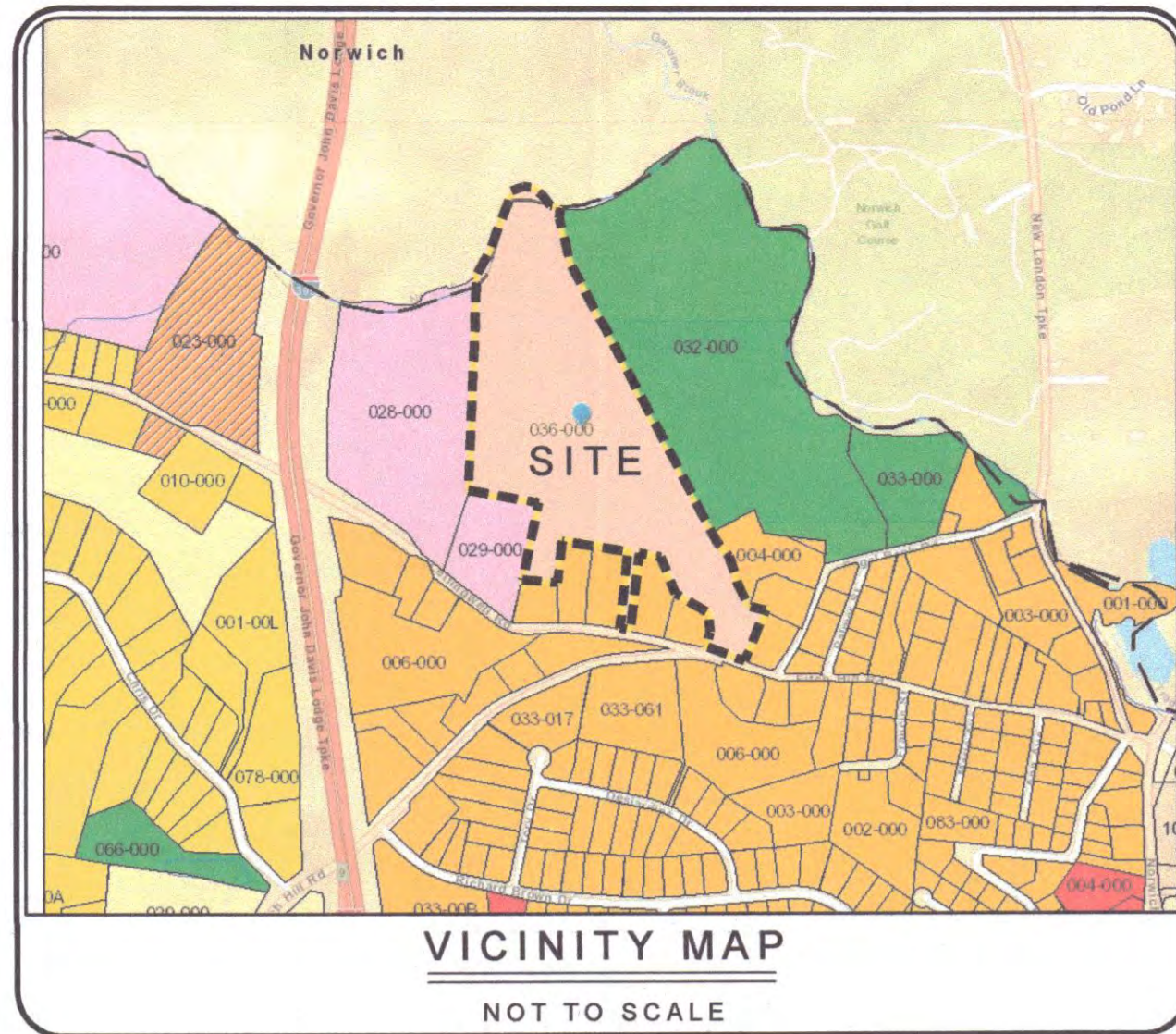


NOTICE: THESE DOCUMENTS ARE PROTECTED UNDER A COPYRIGHT © 2022. THESE DRAWINGS OR ANY INFORMATION CONTAINED HEREIN SHALL NOT BE DUPLICATED IN PART OR WHOLE FOR ANY OTHER PROJECT, LOCATION, OR OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE SURVEYOR. THESE DRAWINGS SHALL REMAIN THE PROPERTY OF THE SURVEYOR.

LR	DESCRIPTION	DATE
A	FLOOD ZONE LINES ADDED AND NOTE 5 REVISED	7-14-2022
REVISIONS		

BOUNDARY & TOPOGRAPHIC SURVEY
PROPERTY OF
ANDREW PETROWSKI
FOR PROPERTY LOCATED AT
**69 FITCH HILL ROAD
& LEFFINGWELL ROAD**
TOWN OF MONTVILLE - COUNTY OF NEW LONDON - CONNECTICUT

Sheet No.
S-01
SHEET 1 OF 1
Scale:
1" = 60'
Date
JULY 1, 2022
Project No.
21101-1

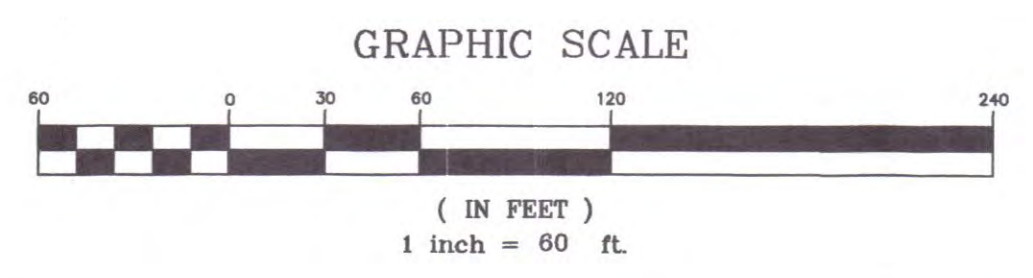


- NOTES:
- THIS PLAN AND THE SURVEY IT IS BASED ON HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20-300B MINIMUM STANDARDS OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS. THE TYPE OF SURVEY IS AN IMPROVEMENT LOCATION SURVEY. THE BOUNDARY DETERMINATION CATEGORY IS DEPENDENT RESURVEY AND THE HORIZONTAL ACCURACY CONFORMS TO CLASS A-2. TOPOGRAPHIC SURVEY IS CLASS T-D AND THE VERTICAL ACCURACY CONFORMS TO CLASS V-2.
 - NO DECLARATION IS EXPRESSED OR IMPLIED BY THIS MAP OR COPIES THEREOF UNLESS THE PRINT BEARS THE IMPRESSION TYPE SEAL AND ORIGINAL LIVE SIGNATURE OF THE SURVEYOR WHOSE NAME AND REGISTRATION NUMBER APPEARS BELOW OR THEREON.
 - REFERENCE IS MADE TO TOWN OF MONTVILLE LAND EVIDENCE RECORDS VOLUME 675 AT PAGE 312 FOR A WARRANTY DEED DATED SEPTEMBER 30, 2021 REGARDING RECORD TITLE TO THE SUBJECT PROPERTY.
 - THE PROPERTY SHOWN HEREON IS SUBJECT TO, OR MAY BE BENEFITTED BY THE FOLLOWING:
 - SEE VOLUME 474 AT PAGE 936 FOR A WELL EASEMENT AGREEMENT BY AND BETWEEN FITCH HOMESTEAD, LLC AND ROBERT M. COOGESHALL DATED SEPTEMBER 9, 2005.
 - NO RECORD WAS FOUND ON FILE IN THE MONTVILLE LAND RECORDS FOR THE DRAINAGE DISCHARGE PIPE FROM LEFFINGWELL ROAD.
 - THE SUBJECT PROPERTY IS LOCATED ENTIRELY WITHIN THE LIGHT INDUSTRIAL (LJ) ZONE DISTRICT.
 - BY GRAPHICAL DEPICTION ONLY, THIS PARCEL LIES WITHIN FLOOD HAZARD ZONES: AE (REGULATORY FLOODWAY), AE, X (0.2% ANNUAL CHANCE) & X AS SHOWN ON "NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NEW LONDON COUNTY, CONNECTICUT PANEL 351, COMMUNITY: TOWN OF MONTVILLE MAP NUMBER: 09010C0213G MAP EFFECTIVE: 7/18/2011, FEDERAL EMERGENCY MANAGEMENT AGENCY".
 - THE SUBJECT PROPERTY IS SHOWN ON THE MONTVILLE TAX ASSESSOR MAP 62 AS LOT 36 AND HAS AN ASSIGNED STREET ADDRESS OF 69 FITCH HILL ROAD
 - BEARINGS AND COORDINATES NOTED HEREON ARE REFERENCED TO THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (NAD 83) EPOCH 2011 (2010.0). ELEVATIONS DEPICTED HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONNECTICUT PANEL 351, COMMUNITY: TOWN OF MONTVILLE MAP NUMBER: 09010C0213G MAP EFFECTIVE: 7/18/2011, FEDERAL EMERGENCY MANAGEMENT AGENCY".
 - THE INLAND WETLANDS SHOWN HEREON WERE DELINEATED IN THE FIELD BY JOSEPH R. THEROUX CERTIFIED SOIL SCIENTIST AND FIELD LOCATED BY JAMES BERNARDO LAND SURVEYING, LLC.

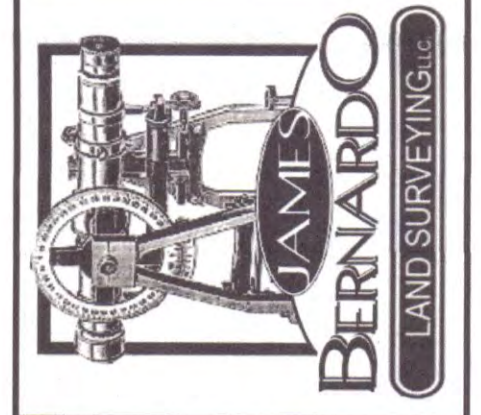
LATITUDE = N41.303892795°
 LONGITUDE = W72.050613875°
 ELLIPSOID HEIGHT = -10.7997 METERS
 - THIS PLAN REPRESENTS THE LOCATION OF THE BOUNDS AND SITE CONDITIONS DETERMINED BY FIELD SURVEY ON MARCH 30, 2022. RECORD TITLE AND ADJOINER INFORMATION WAS OBTAINED FROM TAX ASSESSOR AND LAND EVIDENCE RECORDS ON MAY 3, 2022.
 - UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROLE TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO JAMES BERNARDO LAND SURVEYING, LLC. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
 - THE INLAND WETLANDS SHOWN HEREON WERE DELINEATED IN THE FIELD BY JOSEPH R. THEROUX CERTIFIED SOIL SCIENTIST AND FIELD LOCATED BY JAMES BERNARDO LAND SURVEYING, LLC.
- MAP REFERENCES:
- PLAN OF PROPERTIES OF THE THAMES HOTEL CORPORATION AND JOHN S. DAWSON MONTVILLE & NORWICH CONNECTICUT SCALE: 1"=100' CHANDLER, PALMER & KING ADDITIONS: SEPTEMBER 1977 NOVEMBER 1975 SHEET 2 OF 2 (BOOK: 5 PAGE: 37).
 - KORENIEWICZ SUBDIVISION "SITE DEVELOPMENT PLAN" PREPARED FOR KAREN COMEROSKI 17 LEFFINGWELL ROAD MONTVILLE, CONNECTICUT SCALE: 1"=30' APRIL, 2002 I.D. NO. 02-675 SHEET 1 OF 1 REVISED 4-18-02 BY BOUNDARIES, LLC (DRAWING #1809).
 - SUBDIVISION PLAN MADE FOR HELEN COOGESHALL & WARREN COOGESHALL OWNERS & DEVELOPERS FITCH HILL & OLD FITCH HILL RDS MONTVILLE, CONN. SCALE: 1"=20' BY JAMES F. MCNALLY LS MAR. 20, 1987 (BOOK: 8 PAGE: 89).
 - SUBDIVISION PLAN PROPERTY OF HELEN COOGESHALL FITCH HILL ROAD & LEFFINGWELL ROAD MONTVILLE, CONNECTICUT DATE: FEBRUARY 16, 1980 SCALE: 1"=40' SHEET 1 OF 1 BY CHANDLER, PALMER & KING (DRAWING #1183).
 - GOFF HILL ESTATES OLD FITCH HILL ROAD, MONTVILLE, CT. SITE PLAN JAVEE DEVELOPMENT, LLC DATE: APRIL 2005 SCALE: 1"=20' REVISED: 9/5/05 BY CLA ENGINEERS, INC. (FILE #2063).
 - FAIRWAY ESTATES OLD FITCH HILL ROAD, MONTVILLE, CT. SURVEY/LOT LINE RECONFIGURATION PLAN JAVEE DEVELOPMENT, LC DATE: JAN. 2003 SCALE: 1"=40' BY CLA ENGINEERS, INC.
 - IMPROVEMENT LOCATION AND TOPOGRAPHIC SURVEY "LOT LINE REVISION PLAN" PREPARED FOR MARTIN MCINNEY 33 LEFFINGWELL ROAD MONTVILLE, CONNECTICUT SCALE: 1"=40' JULY 2007 JOB I.D. NO. 04-1055 BY BOUNDARIES, LLC. (DRAWING #2322).

LEGEND
THE FOLLOWING SYMBOLS/ABBREVIATIONS MAY APPEAR ON THIS DRAWING

AC	ACRES	HTB	HIGH TIDE BUSH
BF	BASEMENT FLOOR	SP	SPARTINA PATENS
BIT	BITUMINOUS	SA	SPARTINA ALTERNAFLORA
BCLC	BITUMINOUS CONCRETE LIP CURBING	TBR	TO BE REMOVED
CONC	CONCRETE	TYP	TYPICAL
DIA	DIAMETER	STP	SOIL PERC TEST LOCATION
DB	DISTRIBUTION BOX	SDP	SOIL DEEP TEST LOCATION
EOP	EDGE OF PAVEMENT	W	WELL
ELEV	ELEVATION	H	HYDRANT
FF	FINISHED FIRST FLOOR	T	TREE
LF	LINEAR FOOT	BSL	BUILDING SETBACK LINE
(MIN)	MINIMUM	CLL	CLEARING LIMIT LINE
M/L	MORE OR LESS	EL	EXISTING TREELINE
N/F	NOW OR FORMERLY	EX	EXISTING CONTOUR
PVC	POLY VINYL CHLORIDE	NC	NEW CONTOUR
SCH40	SCHEDULE 40	SF	SEDIMENT FENCE
S.4x	SPOT ELEVATION	SDP	STORM DRAIN PIPE
SF	SQUARE FEET	SW	STONE WALL
TR	TO REMAIN	S	SANITARY SEWER
		W	WATER



JAMES BERNARDO
LAND SURVEYING, LLC
102A SPITHEAD ROAD
WATERFORD, CONNECTICUT 06385
(860) 447-0236
WWW.JBSURVEY.COM



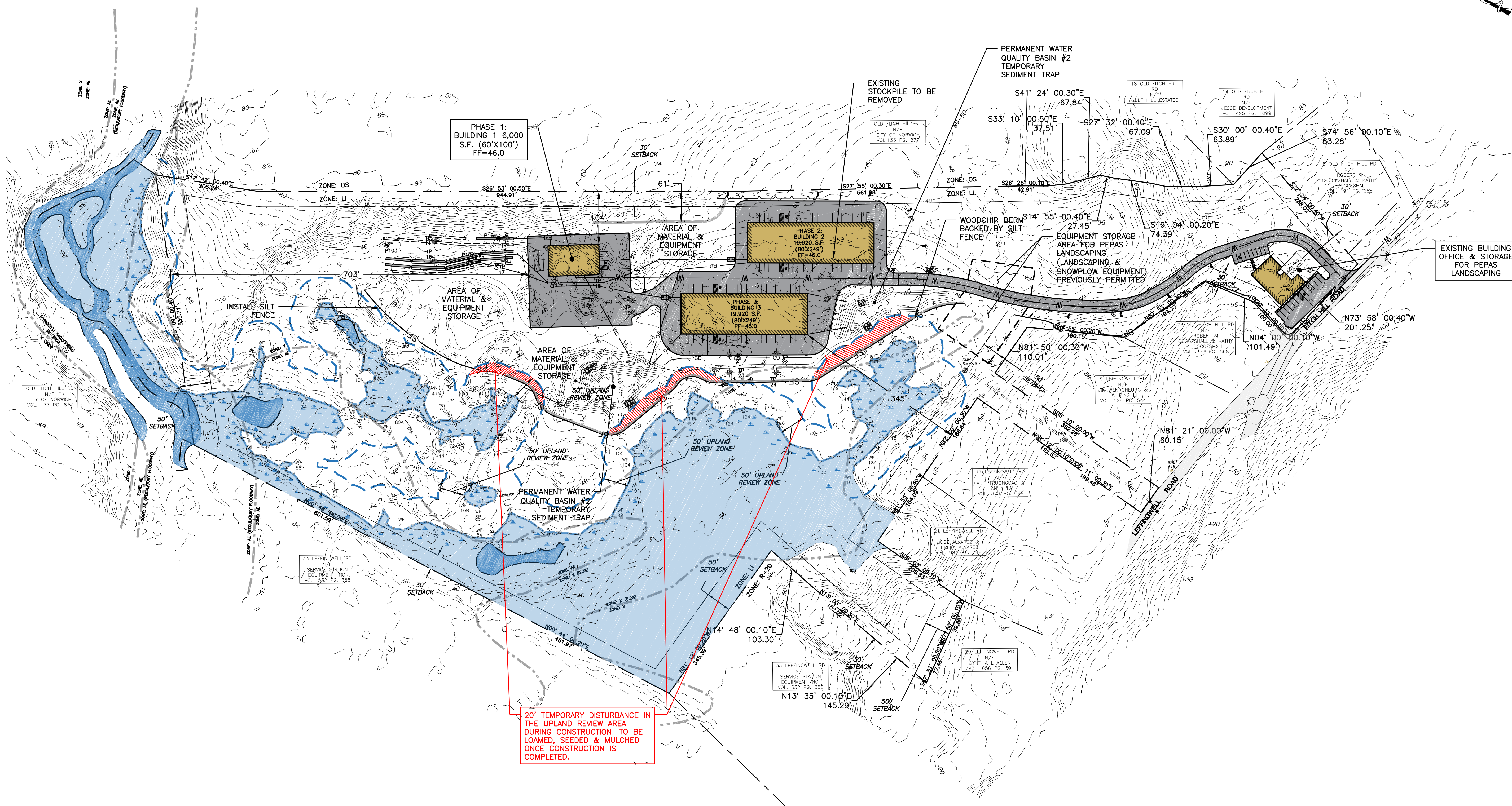
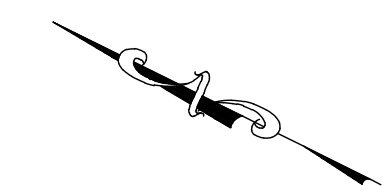
NOTICE: THESE DOCUMENTS ARE PROTECTED UNDER A COPYRIGHT © 2022. THESE DOCUMENTS CONTAIN INFORMATION THAT IS UNLAWFUL TO REPRODUCE IN PART OR WHOLE FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE SURVEYOR. THESE DRAWINGS ARE THE PROPERTY OF THE SURVEYOR.

LTR	DESCRIPTION	DATE
A	FLOOD ZONE LINES ADDED AND NOTE 5 REVISED	7-14-2022

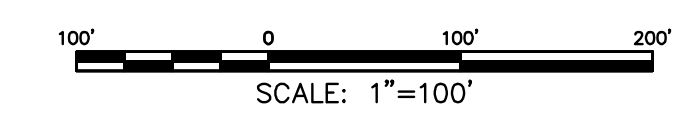
REVISIONS		
LTR	DESCRIPTION	DATE

BOUNDARY & TOPOGRAPHIC SURVEY
PROPERTY OF
ANDREW PETROWSKI
FOR PROPERTY LOCATED AT
**69 FITCH HILL ROAD
& LEFFINGWELL ROAD**
TOWN OF MONTVILLE - COUNTY OF NEW LONDON - CONNECTICUT

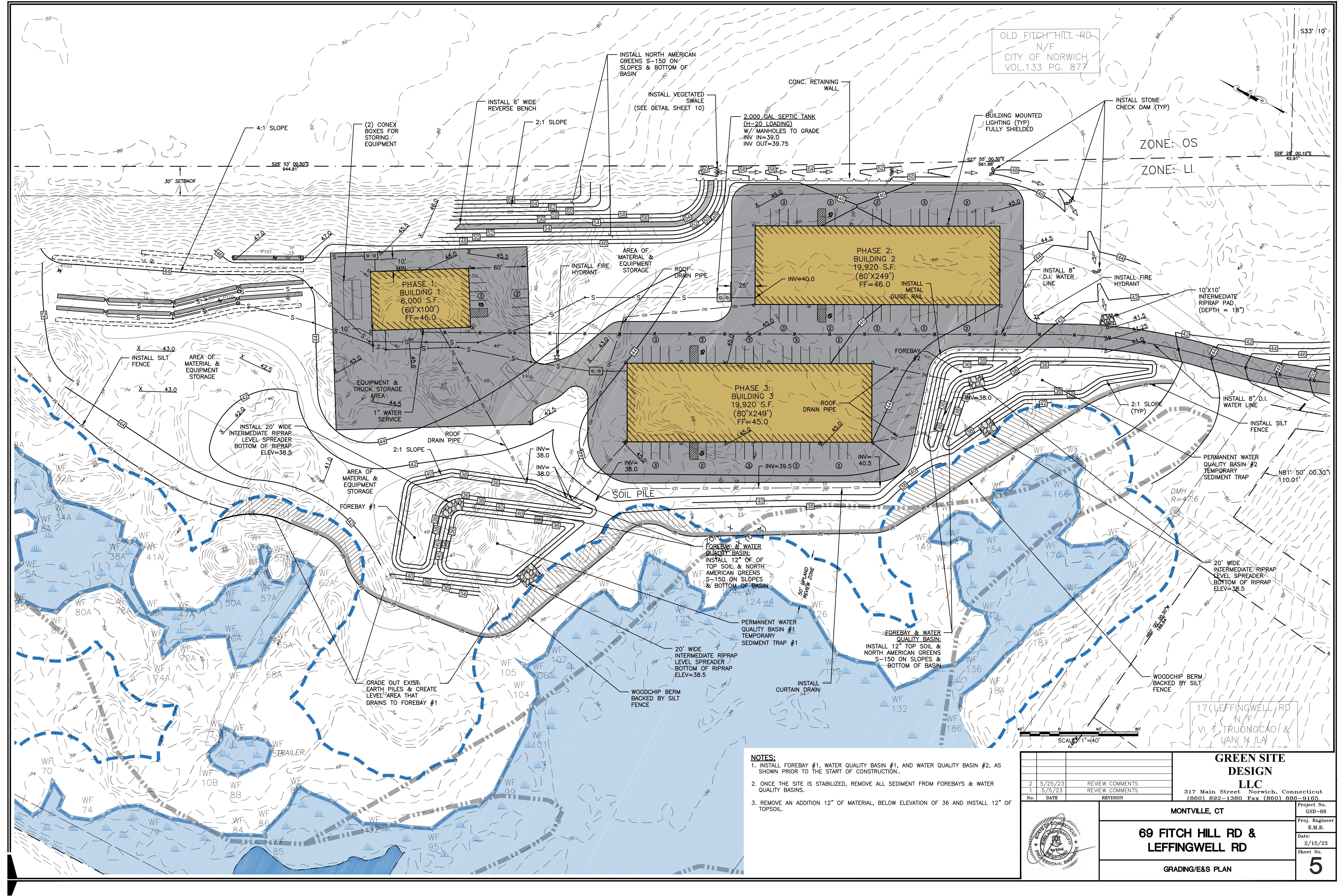
Sheet No.
S-02
SHEET 2 OF 2
Scale:
1"=60'
Date
JULY 1, 2022
Project No.
21101-1



20' TEMPORARY DISTURBANCE IN THE UPLAND REVIEW AREA DURING CONSTRUCTION TO BE LOAMED, SEEDED & MULCHED ONCE CONSTRUCTION IS COMPLETED.



REVISION			GREEN SITE DESIGN LLC	
2	5/25/23	REVIEW COMMENTS	317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165	
1	5/5/23	REVIEW COMMENTS		
No.	DATE	REVISION	MONTVILLE, CT	
			69 FITCH HILL RD & LEFFINGWELL RD SITE PLAN	
			Project No. GSD-68 Proj. Engineer E.M.B. Date: 2/15/23 Sheet No. 4	



OLD FITCH HILL RD
N/F
CITY OF NORWICH
VOL.133 PG. 877

ZONE: OS
ZONE: LI

17 LEFFINGWELL RD
N/F
VI & TRUONG CAO /
LANI N (LA)

- NOTES:**
1. INSTALL FOREBAY #1, WATER QUALITY BASIN #1, AND WATER QUALITY BASIN #2, AS SHOWN PRIOR TO THE START OF CONSTRUCTION.
 2. ONCE THE SITE IS STABILIZED, REMOVE ALL SEDIMENT FROM FOREBAYS & WATER QUALITY BASINS.
 3. REMOVE AN ADDITION 12" OF MATERIAL, BELOW ELEVATION OF 36 AND INSTALL 12" OF TOPSOIL.

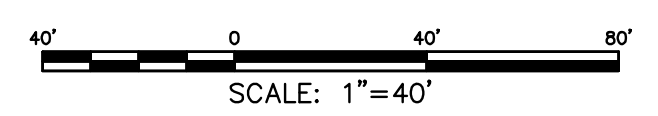
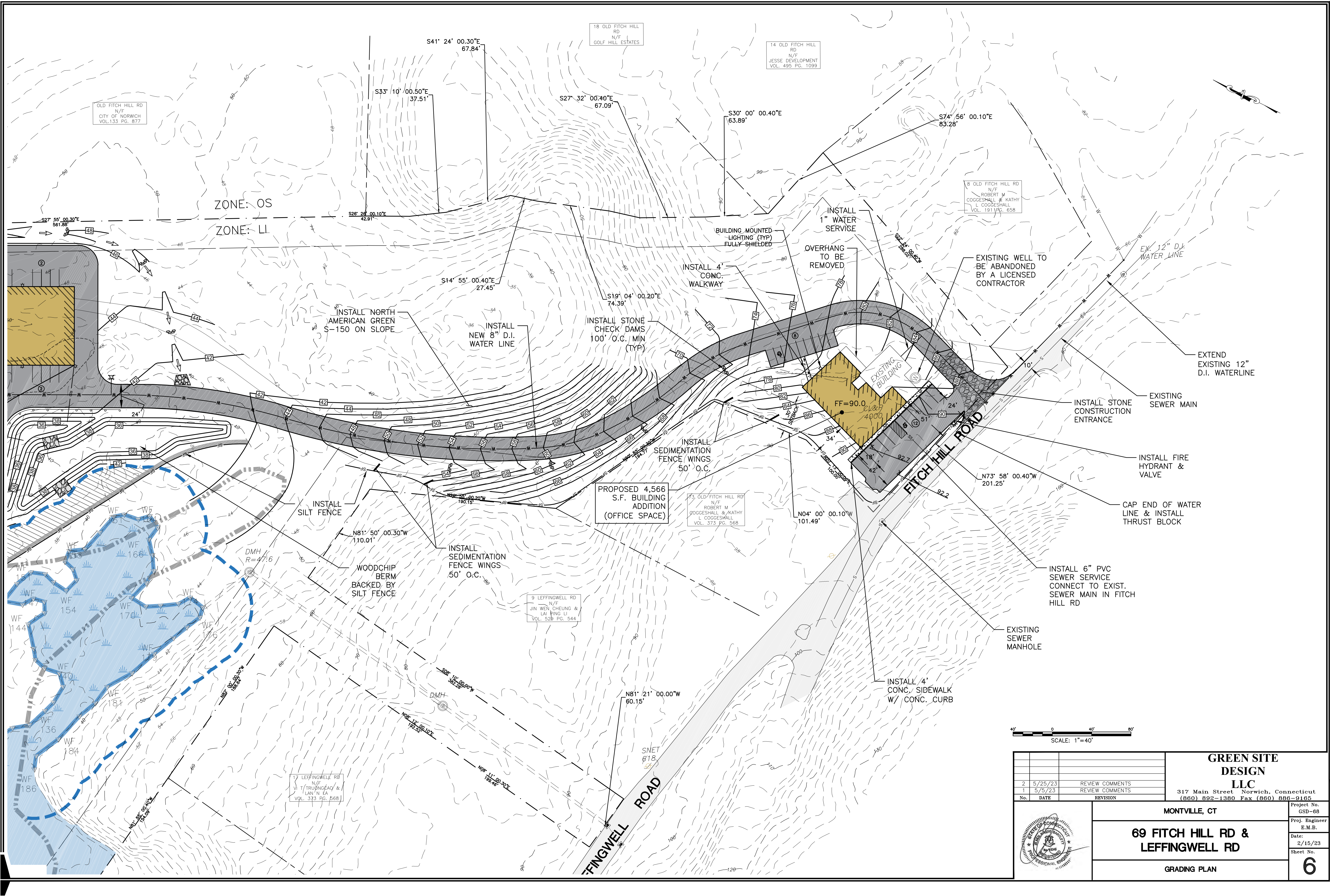
No.	DATE	REVISION
2	5/25/23	REVIEW COMMENTS
1	5/5/23	REVIEW COMMENTS

GREEN SITE DESIGN LLC
317 Main Street Norwich, Connecticut
(860) 892-1380 Fax (860) 886-9165



MONTVILLE, CT
69 FITCH HILL RD & LEFFINGWELL RD
GRADING/E&S PLAN

Project No. GSD-68
Proj. Engineer E.M.B.
Date: 2/15/23
Sheet No. **5**



No.	DATE	REVISION
2	5/25/23	REVIEW COMMENTS
1	5/5/23	REVIEW COMMENTS

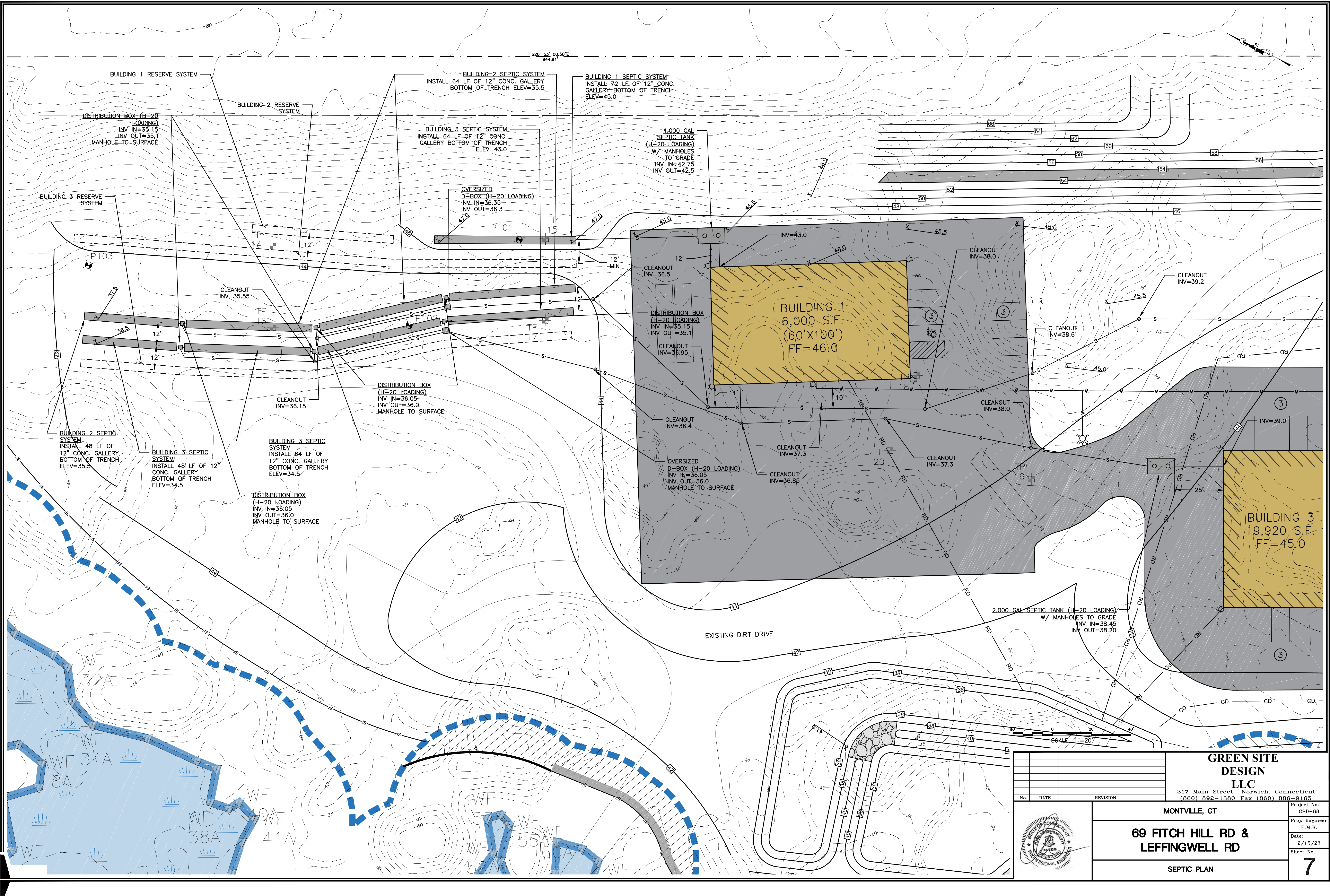
GREEN SITE DESIGN LLC
 317 Main Street Norwich, Connecticut
 (860) 892-1380 Fax (860) 886-9165



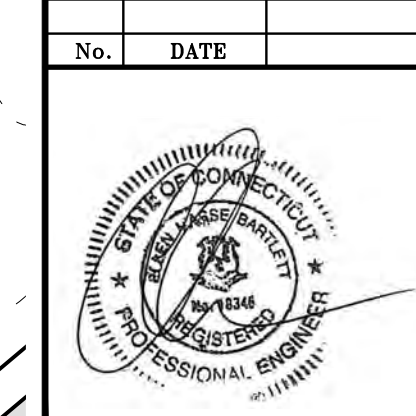
MONTVILLE, CT
69 FITCH HILL RD & LEFFINGWELL RD
 GRADING PLAN

Project No. GSD-68
 Proj. Engineer E.M.B.
 Date: 2/15/23
 Sheet No. **6**

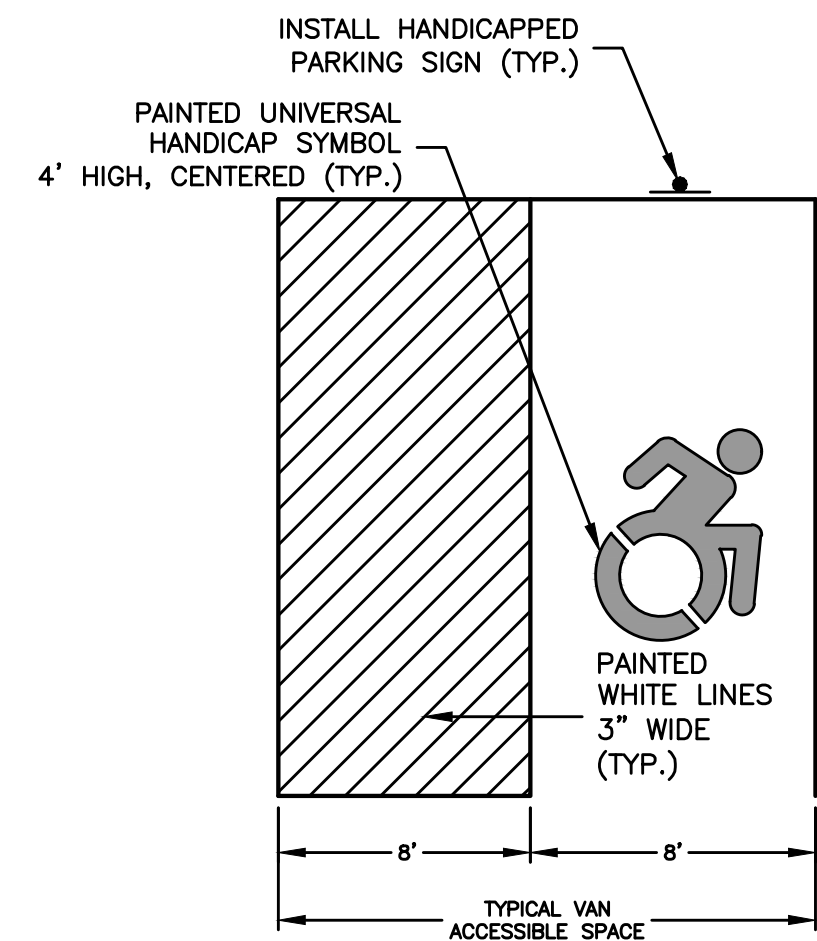
Y:\PROJECTS\68 - Petrowski Site Plan\Drawings\GSD-68 - Petrowski Site Plan V12.dwg, 6/2/2023 2:51:28 PM, DWG To PDF.pc3



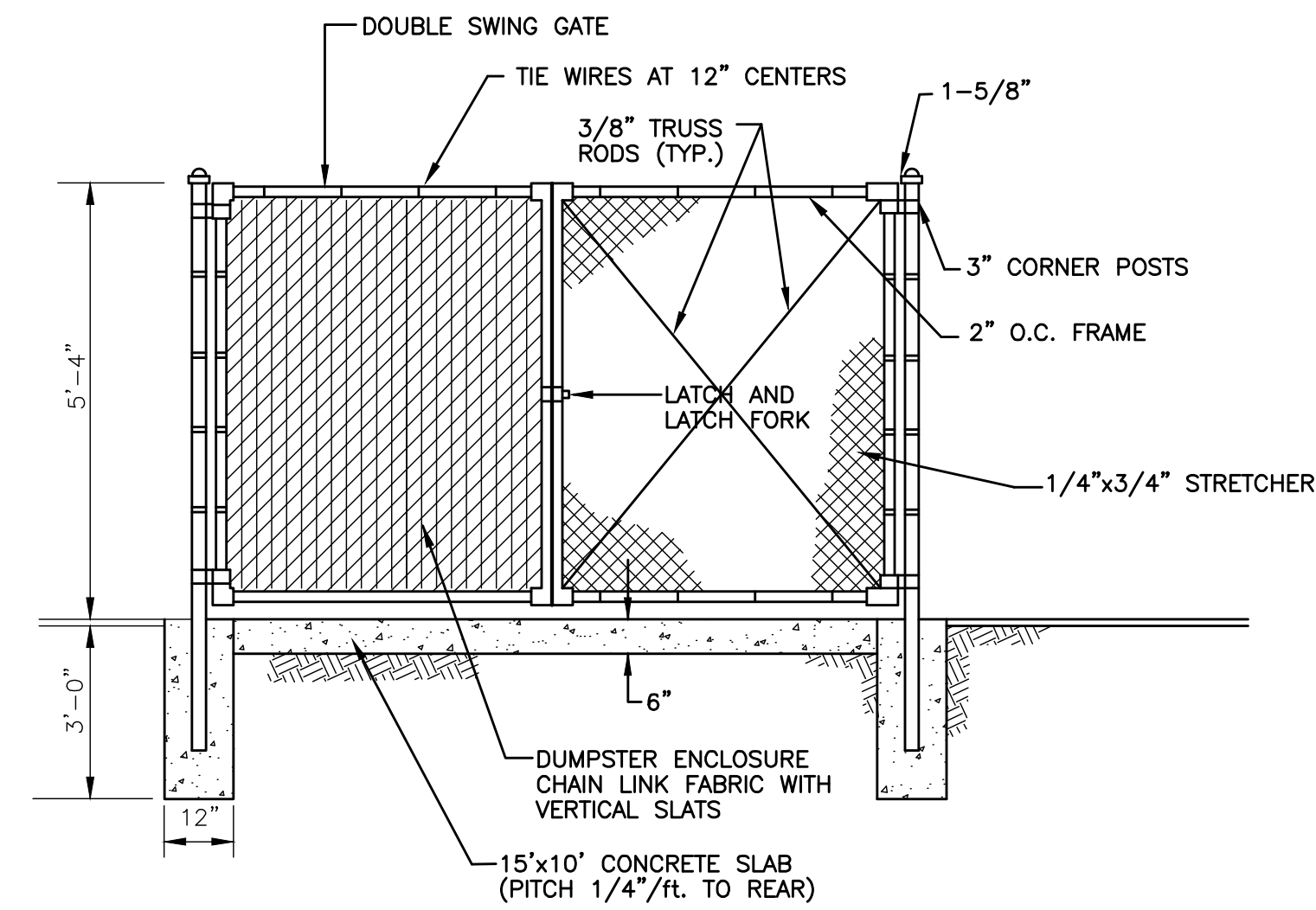
		GREEN SITE DESIGN LLC 317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165		Project No. GSD-68
		MONTVILLE, CT		Proj. Engineer E.M.B.
69 FITCH HILL RD & LEFFINGWELL RD		Date: 2/15/23		Sheet No. 7
SEPTIC PLAN				



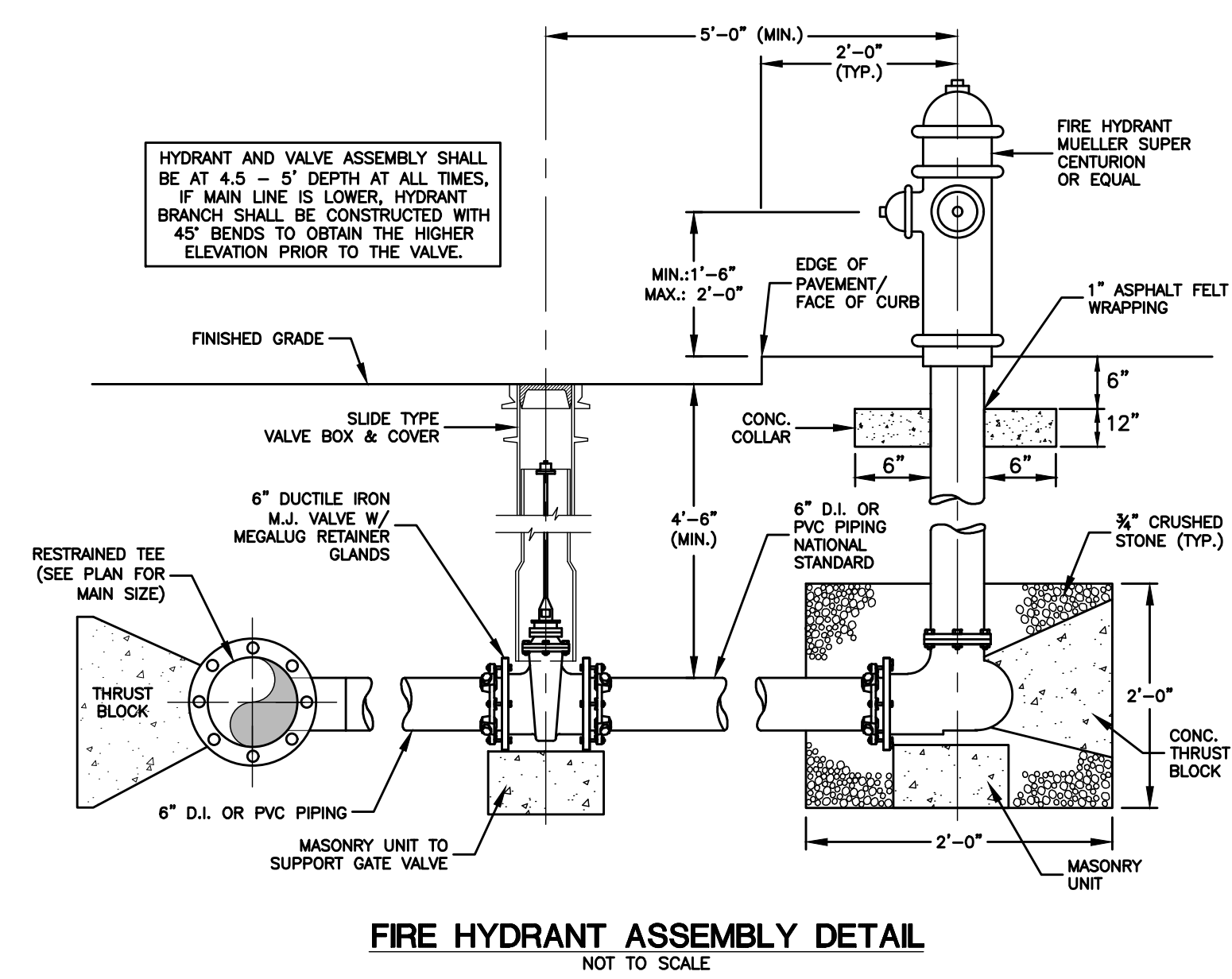
No. DATE REVISION
 Project No. GSD-68
 Proj. Engineer E.M.B.
 Date: 2/15/23
 Sheet No. 7



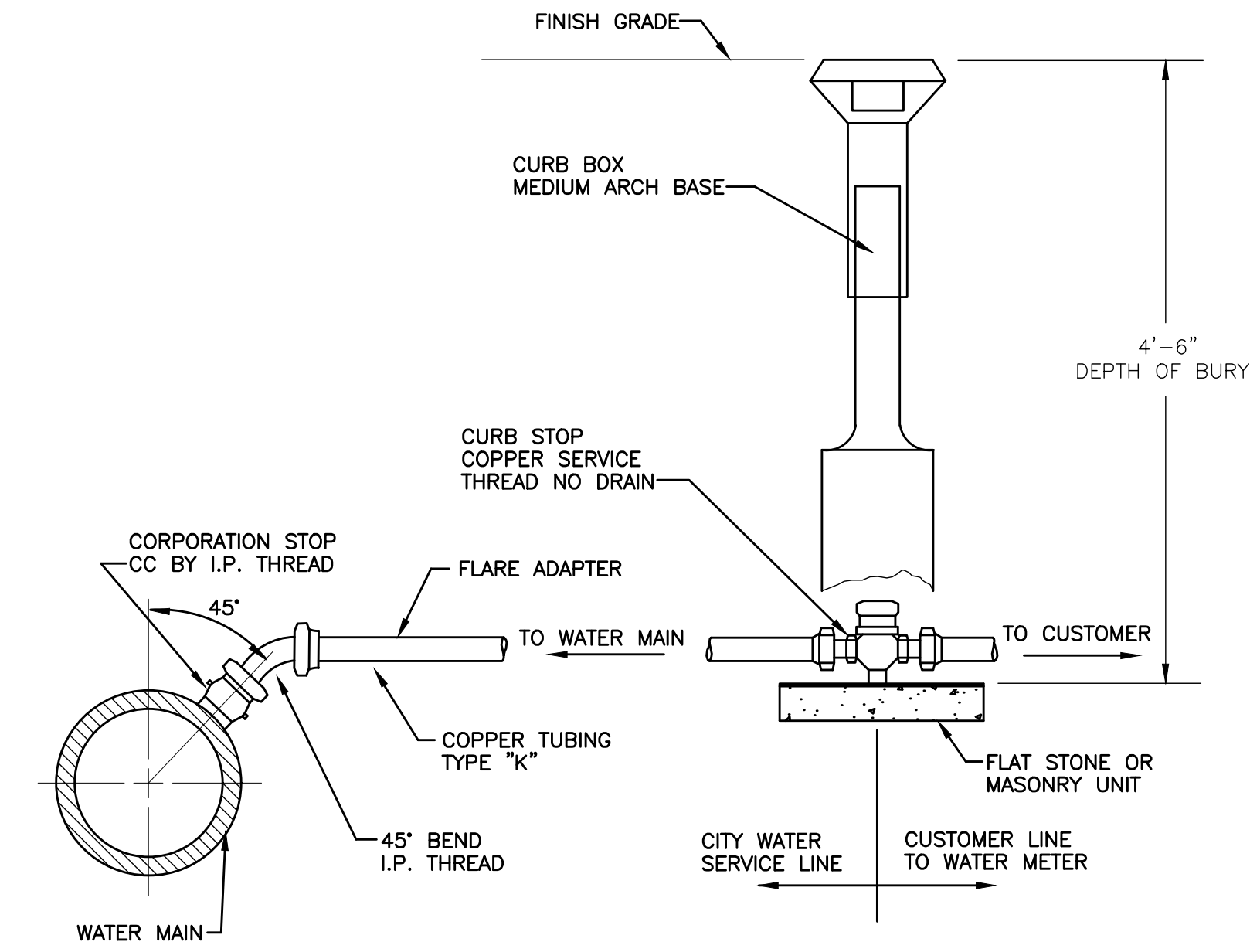
TYPICAL HANDICAP VAN PARKING SPACE
NOT TO SCALE



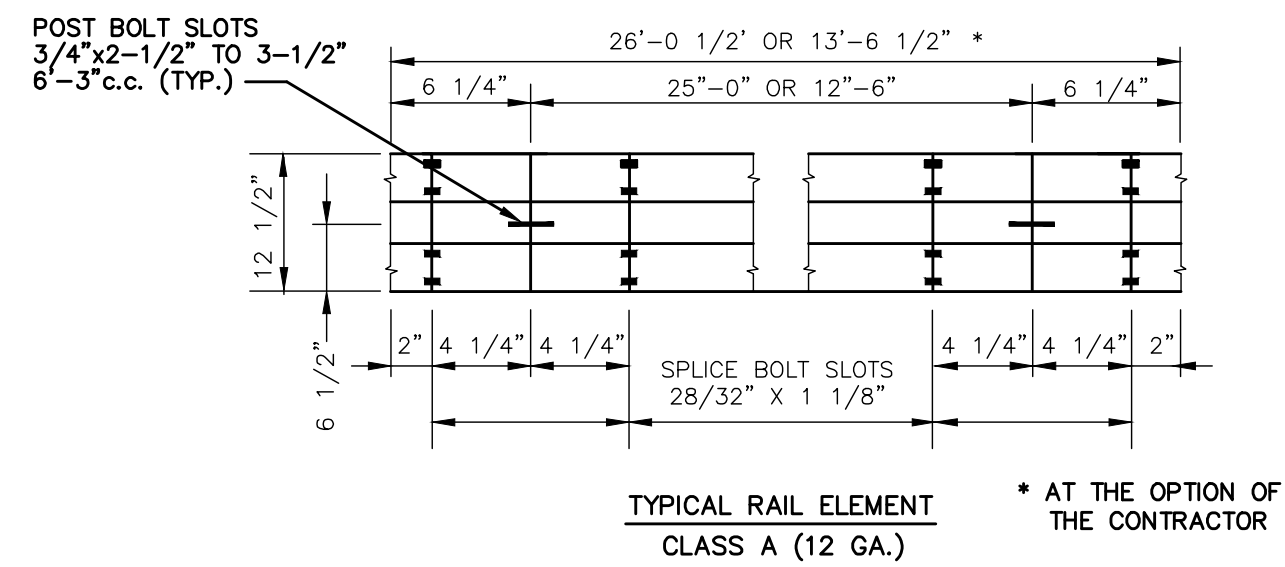
CHAIN LINK FENCE/DUMPSTER ENCLOSURE
NOT TO SCALE



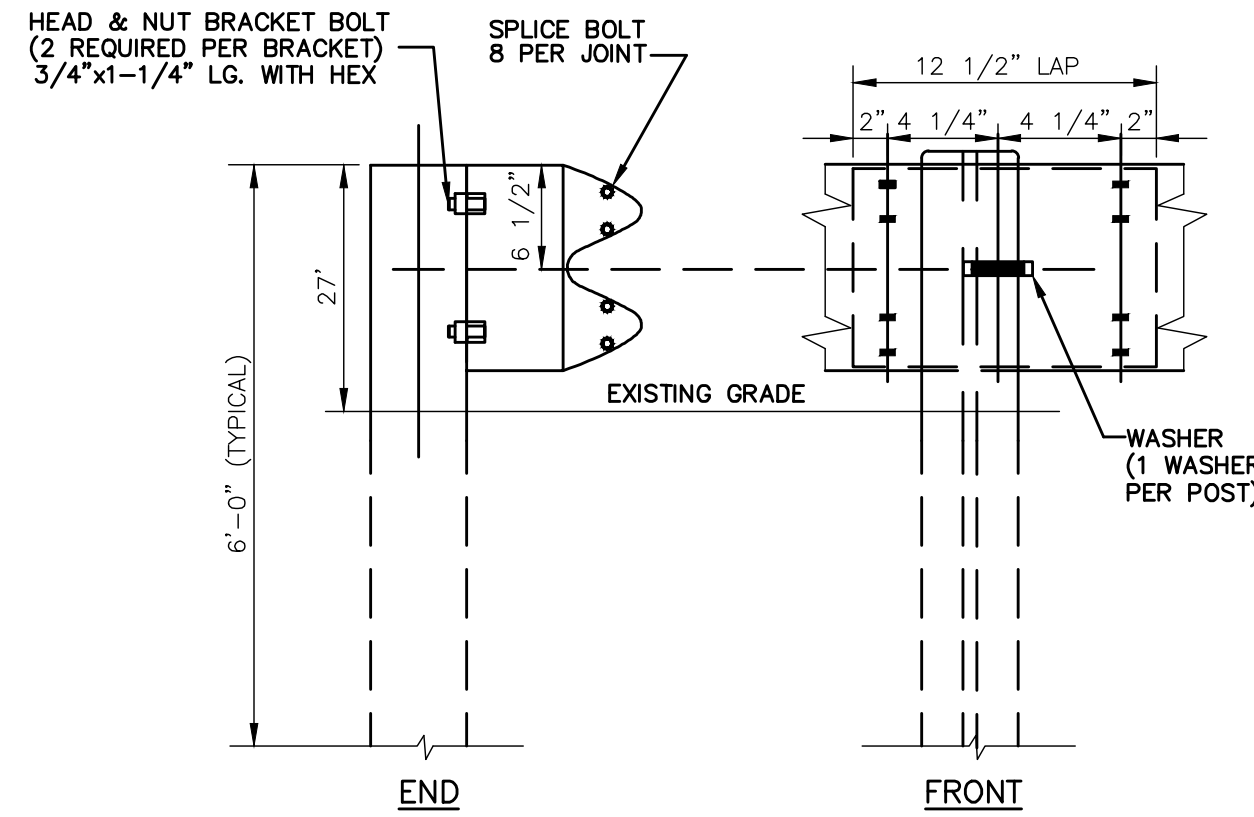
FIRE HYDRANT ASSEMBLY DETAIL
NOT TO SCALE



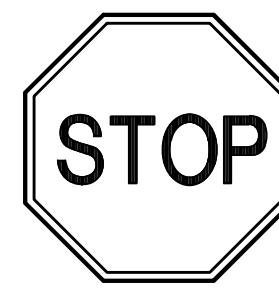
WATER SERVICE CONNECTION DETAIL
NOT TO SCALE



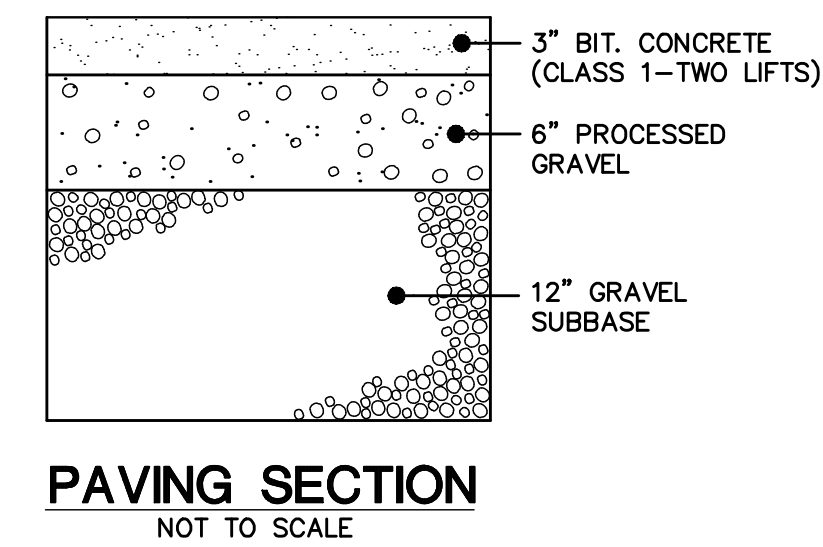
TYPICAL RAIL ELEMENT
CLASS A (12 GA.)



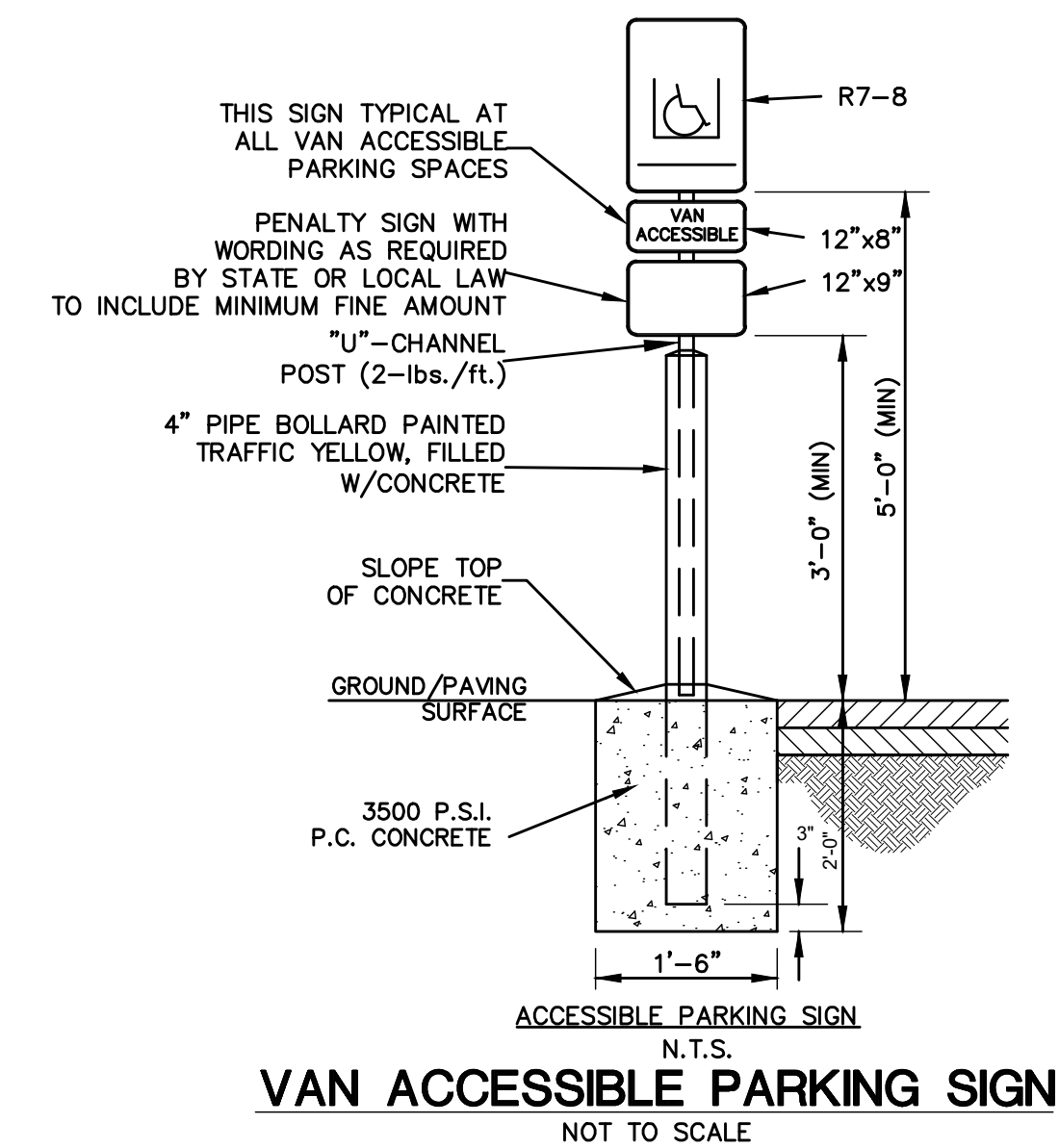
METAL BEAM RAIL
NOT TO SCALE



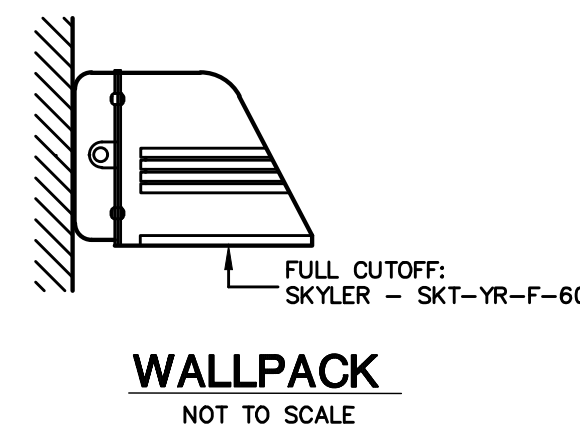
TRAFFIC SIGNAGE
NOT TO SCALE



PAVING SECTION
NOT TO SCALE



VAN ACCESSIBLE PARKING SIGN
NOT TO SCALE



WALLPACK
NOT TO SCALE

GREEN SITE DESIGN LLC		
317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165		
MONTVILLE, CT		
69 FITCH HILL RD & LEFFINGWELL RD		
SITE DETAILS		
No.	DATE	REVISION
Project No. GSD-68		Proj. Engineer E.M.B.
Date: 2/15/23		Sheet No. 8

PERC TEST DATA

PERC #101 4/19/2023 PRE-SOAK, 10:54:00-10:54:55 AM BOTTOM OF HOLE AT 24" INTERVAL: 12-24"			PERC #102 4/19/2023 PRE-SOAK, 9:33-9:36 AM BOTTOM OF HOLE AT 26" INTERVAL: 14-26"			PERC #103 4/19/2023 PRE-SOAK, 10:11 AM BOTTOM OF HOLE AT 24" INTERVAL: 12-24"					
TEST 1	TIME	DEPTH (IN)	CHANGE (IN)	TIME	DEPTH (IN)	CHANGE (IN)	TIME	DEPTH (IN)	CHANGE (IN)		
12:59:00	12"	-0.0		9:43:00	10.5"	-1.0	13:29	12"	-0.0		
12:59:54	24"	-12.0		9:43:30	11.5"	-1.0	13:31	13.5"	-1.5		
END OF TEST 1				9:44:00	12.5"	-1.0	13:33	14.5"	-1.0		
TEST 2	TIME	DEPTH (IN)	CHANGE (IN)	9:44:30	13"	-0.5	13:35	15.5"	-1.0		
13:04:00	12"	-0.0		9:45:00	13.5"	-0.5	13:37	16"	-0.5		
13:04:54	24"	-12.0		9:45:30	14"	-0.5	13:39	16.5"	-0.5		
END OF TEST 2				*CAVED IN AT 19"			13:41	17.5"	-1.0		
TEST 3	TIME	DEPTH (IN)	CHANGE (IN)	END OF TEST 1			13:43	18"	-0.5		
13:06:00	12"	-0.0		MIN=9:43:00-9:45:30 = 2.5 MIN			13:45	18.5"	-0.5		
13:06:56	24"	-12.0		IN=12" TO 19" = 7"			13:47	19"	-0.5		
END OF TEST 3				2.5 MIN/7" = 0.36 MPI			13:49	19.5"	-0.5		
TEST 4	TIME	DEPTH (IN)	CHANGE (IN)	9:50:00	12"	-0.0	13:51	20"	-0.5		
13:10:00	12"	-0.0		9:50:30	14"	-2.0	13:53	20.5"	-0.5		
13:10:55	24"	-12.0		9:51:00	16"	-2.0	13:55	21"	-0.5		
END OF TEST 4				9:51:30	17"	-1.0	13:57	21.5"	-0.5		
TEST 5	TIME	DEPTH (IN)	CHANGE (IN)	9:52:00	18"	-1.0	13:59	22"	-0.5		
13:13:00	12"	-0.0		9:52:30	19"	-1.0					
13:13:58	24"	-12.0		*CAVED IN AT 19"							
END OF TEST 5				END OF TEST 2							
AVERAGE OF TESTS 1-5 = (0.90+0.90+0.97+0.92+0.97)/5 = 0.93 MPI			9:55:00 17" -0.0			9:55:30 19" -2.0			9:56:00 20" -1.0		
IN=12" TO 24" = 12"			9:56:30 21" -1.0			9:57:00 22" -1.0			9:57:30 23" -1.0		
0.93 MIN/12" = 0.08 MPI			*CAVED IN AT 23"			END OF TEST 3			MIN=9:55:00 TO 9:57:30 = 2.5 MIN		
			END OF TEST 2			IN=17" TO 23" = 6"			2.5 MIN/6" = 0.42 MPI		
						AVERAGE OF TESTS 1-3 = (0.36+0.36+0.36)/3 = 0.38 MPI					

TEST HOLE DATA

TEST HOLES RECORDED BY CHRISTOPHER MADDEN, MARCH 03 2023

TH #14	0-14" BROWN LOAMY SAND TOPSOIL	14-96" LIGHT BROWN FINE SAND	NO BEDROCK	NO WATER	NO MOTTLING	NO ROOTS	NO RESTRICTIVE
TH #15	0-16" BROWN LOAMY SAND TOPSOIL	16-98" STRATIFIED GREY BROWN SAND AND GRAVEL	NO BEDROCK	NO WATER	NO MOTTLING	NO ROOTS	NO RESTRICTIVE
TH #16	0-12" BROWN LOAM SAND TOPSOIL	12-96" LIGHT BROWN FINE SAND	NO BEDROCK	WATER 44"	MOTTLING 40"	NO ROOTS	RESTRICTIVE 40"
TH #17	0-96" STRATIFIED SAND AND GRAVEL, NO TOPSOIL		NO BEDROCK	WATER 48"	MOTTLING 29"	NO ROOTS	RESTRICTIVE 29"
TH #18	NO TOPSOIL	0-70" GREY AND BROWN CLAY	NO BEDROCK	NO WATER	MOTTLING 11"	NO ROOTS	RESTRICTIVE 11"
TH #19	0-10" BROWN LOAMY SAND TOPSOIL	10-84" STRATIFIED BROWN AND LIGHT BROWN SAND W/SILT	NO BEDROCK	NO WATER	NO MOTTLING	NO ROOTS	NO RESTRICTIVE

SEPTIC SYSTEMS DESIGN

BUILDING #1: A&B EXCAVATION
6,000 SF A&B EXCAVATION (20% OFFICE & 80% INDUSTRIAL)
1,200 SF OFFICE = (1,200/200)(20) = 120 GPD
4,800 SF INDUSTRIAL = (4,800*0.1) = 480 GPD
TOTAL = 600 GPD

BUILDINGS #2 & 3: FLEX SPACE
19,920 SF FLEX SPACE - INDUSTRIAL
19,920 SF (0.1) = 1,992 GPD

PRIMARY SYSTEM
PERCOLATION RATE: 0-10 MINUTES
LEACHING AREA REQUIRED: 1,992 GPD/1.5" = 1,328 SF
*NON-PROBLEMATIC SEWER SYSTEMS

USE 12" CONC. GALLERIES
EFFECTIVE LEACHING AREA OF TRENCH = 5.9 SF/LF
REQUIRED LENGTH = 1,328 SF/5.9 SF/LF = 226 LF
USE ONE ROW OF 240 LF

MLSS CALCULATION
RESTRICTIVE LAYER = (29+40)/2 = 34"
SLOPE = 3%
HP=34 FF=2,080/300=6.9 PF=1.0
MLSS = (34)(6.9)(1.0) = 235 FT

SEPTIC/SELECT FILL

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES, THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER. SELECT FILL EXCEEDING 6% PASSING THE #200 SIEVE BASED ON A WET SIEVE TEST CANNOT BE APPROVED BY THE DESIGN ENGINEER.

- THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THREE (3) INCH SIEVE.
- UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE.
- NOTE: THIS IS THE GRAVEL PORTION OF THE SAMPLE.
- THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
- THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA.

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70-100	70-100
#40	10-50	10-75
#100	0-20	0-5
#200	0-5	0-2.5

PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%. THE SELECT FILL MUST BE TESTED AFTER PLACEMENT AND MUST HAVE A PERCOLATION RATE AT LEAST AS FAST AS THE DESIGN RATE OF LESS THAN 20 MIN/INCH

SEPTIC SYSTEM GENERAL NOTES

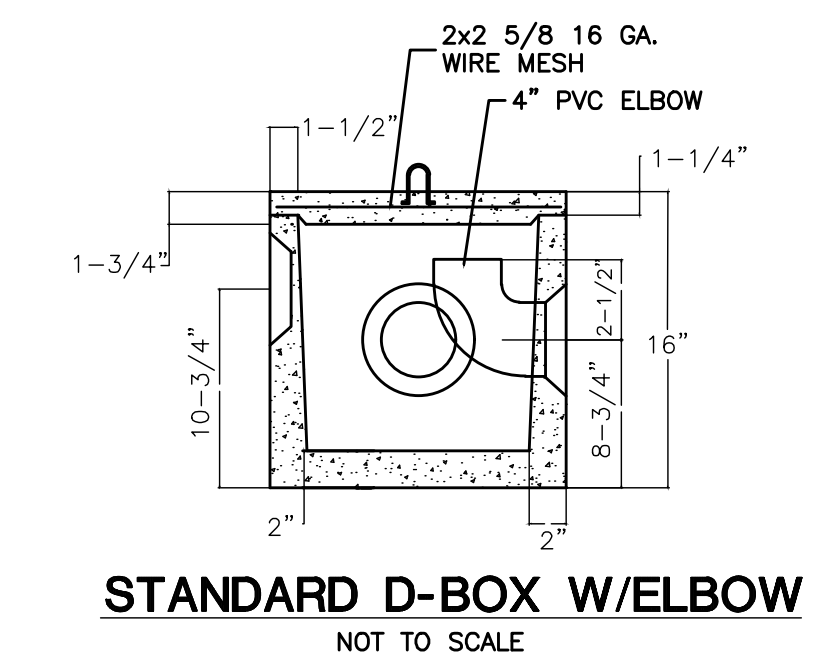
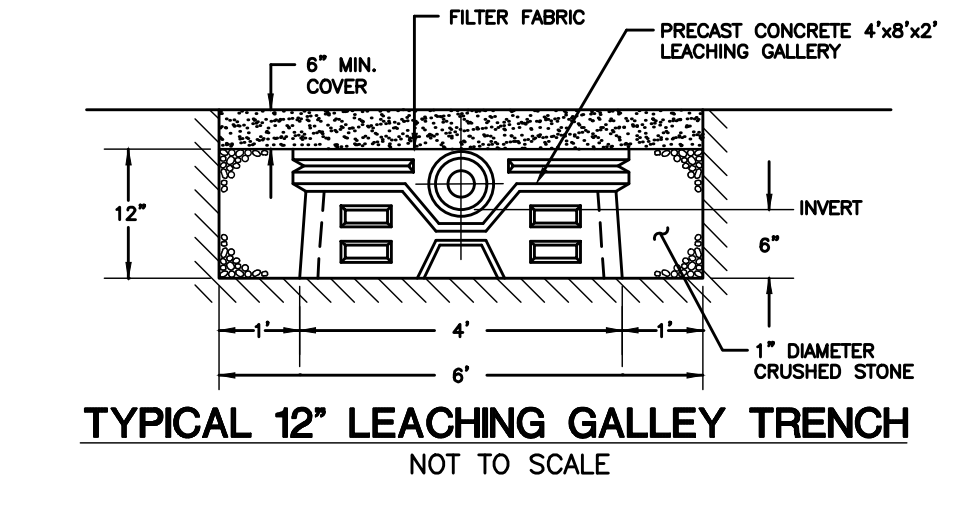
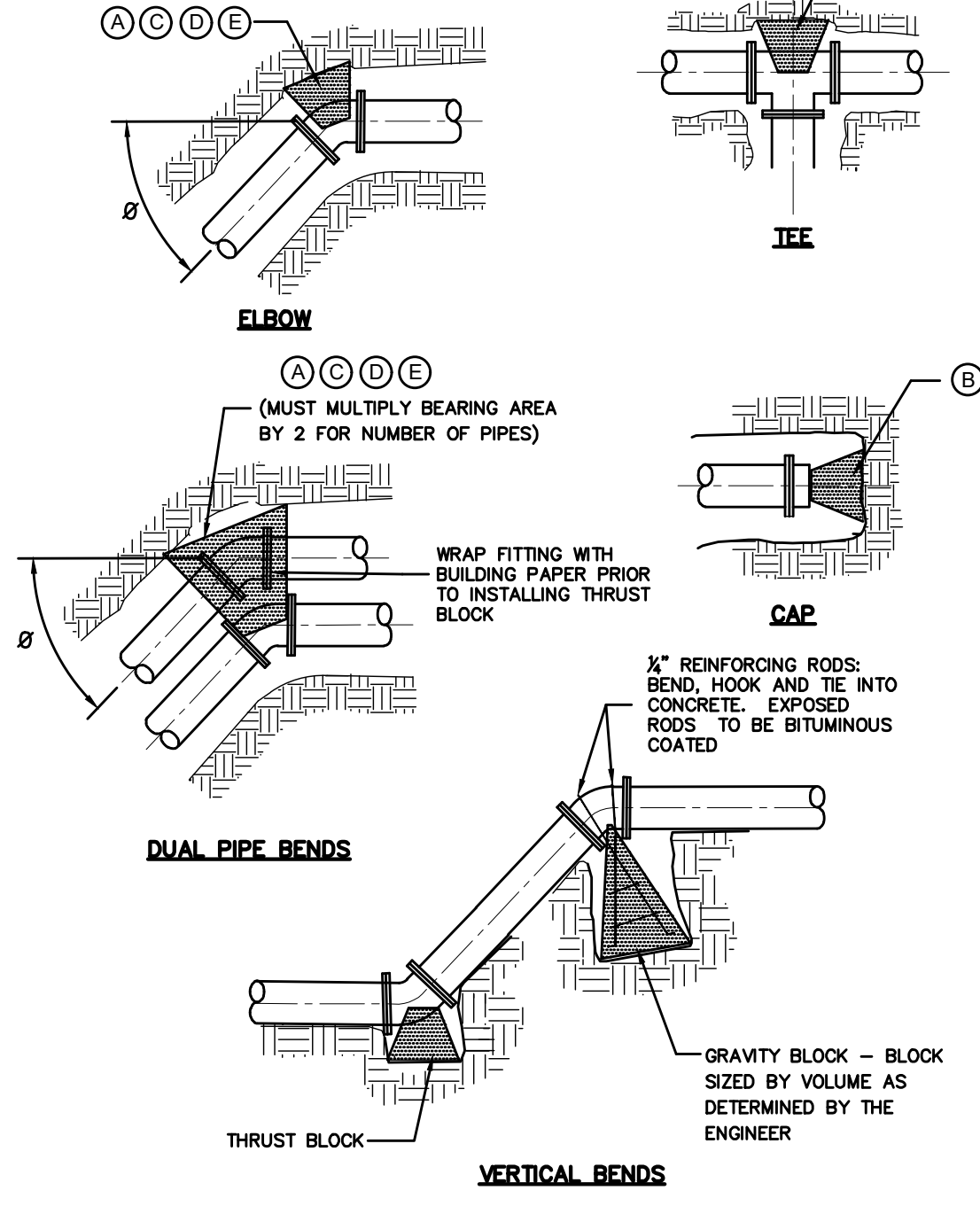
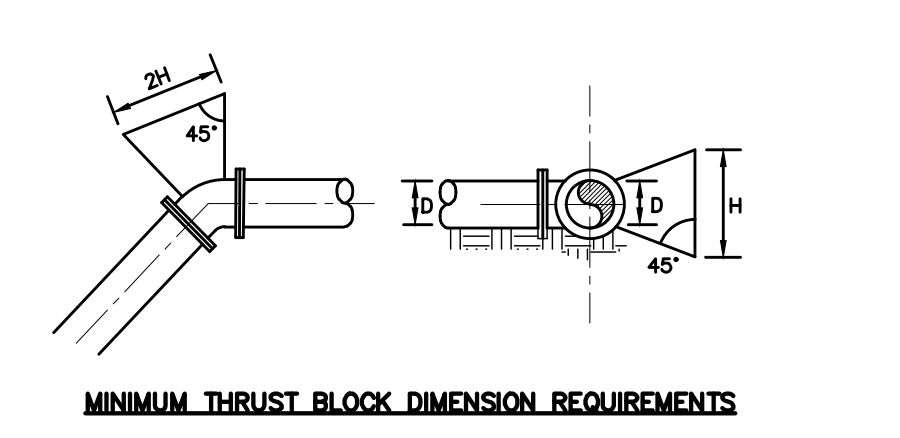
- TOPOGRAPHIC INFORMATION ON THIS PLAN PROVIDED BY CLA ENGINEERS
- PROPOSED HOUSE AND SEPTIC SYSTEM TO BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
- ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE, SELECT FILL) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEM.
- AFTER THE FILL IS PLACED AND COMPACTED, IT MUST BE PERC TESTED PRIOR TO INSTALLATION OF ALL THE SEPTIC SYSTEMS.
- WHERE SEWER LINE CROSSES WATER LINE, THERE ARE TO BE NO JOINTS WITHIN 5 FEET ON EITHER SIDE OF THE WATER LINE, INCLUDING SERVICES.
- SEWER LINE FROM FOUNDATION WALL TO SEPTIC SHALL BE 4" SCHEDULE 40 PVC - ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE.
- TRENCHES SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING OF 8 FEET.
- PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO ASTM D-3034 AND SDR-35.
- IF BLASTING IS REQUIRED A PRE-BLAST SURVEY WILL BE REQUIRED. CALL BEFORE YOU DIG: 1-800-922-4455.
- THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM.
- A VERTICAL BENCHMARK SHALL BE PROVIDED WITHIN 50 FEET OF THE PROPOSED HOUSE LOCATION PRIOR TO THE START OF CONSTRUCTION.
- CLEAR AND GRUB THE AREA WHERE THE SEPTIC SYSTEM AND HOUSE ARE TO BE CONSTRUCTED. ALL TOPSOIL IS TO BE STRIPPED AND STOCKPILED FOR FUTURE USE.
- ALL FILL MATERIAL SHALL BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
- TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES.
- ALL EXISTING UTILITIES TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION.

SQUARE FEET OF CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL
AREAS SHOWN ARE BASED ON 200 PSI TEST PRESSURE (SEE NOTE BELOW)

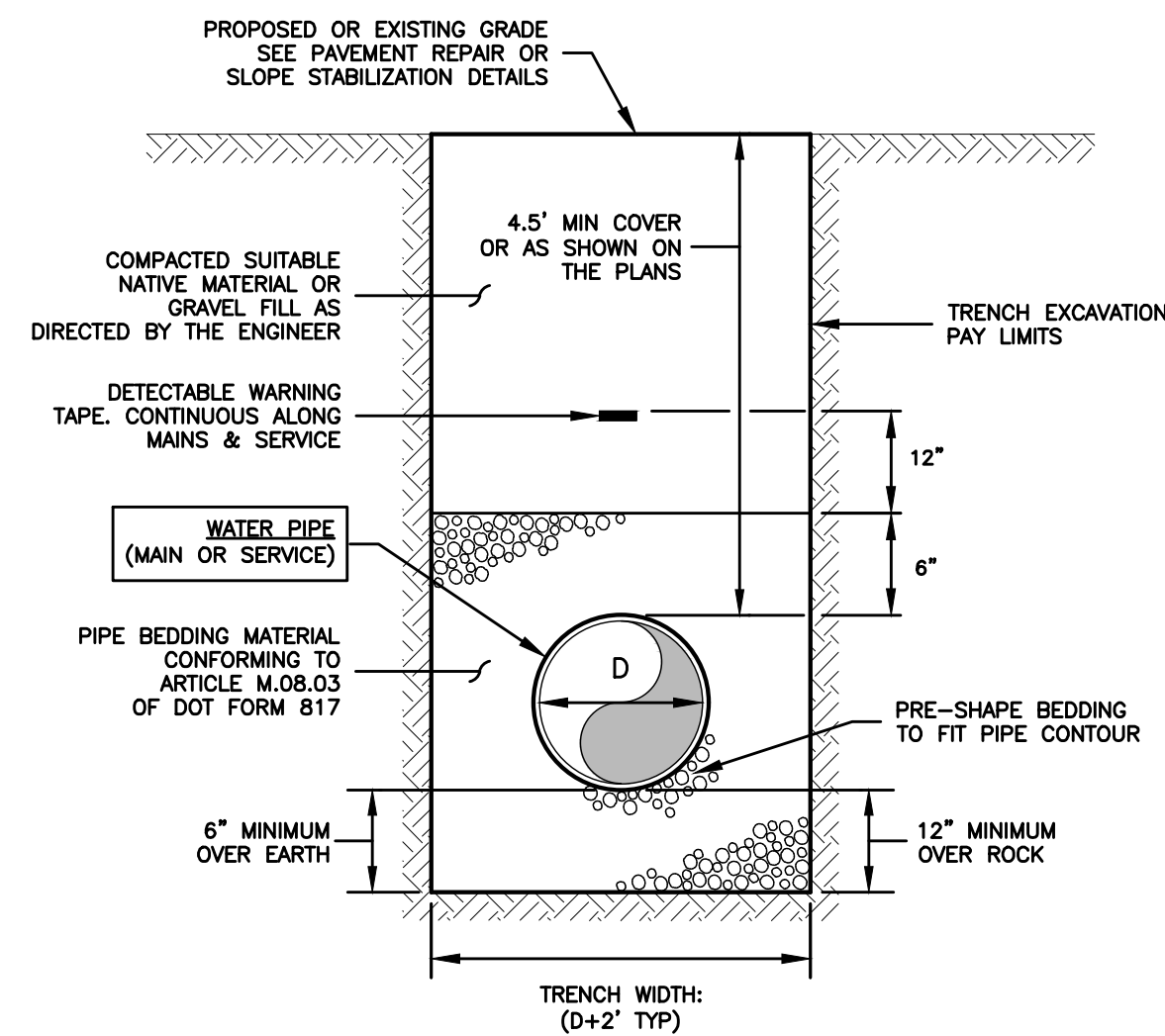
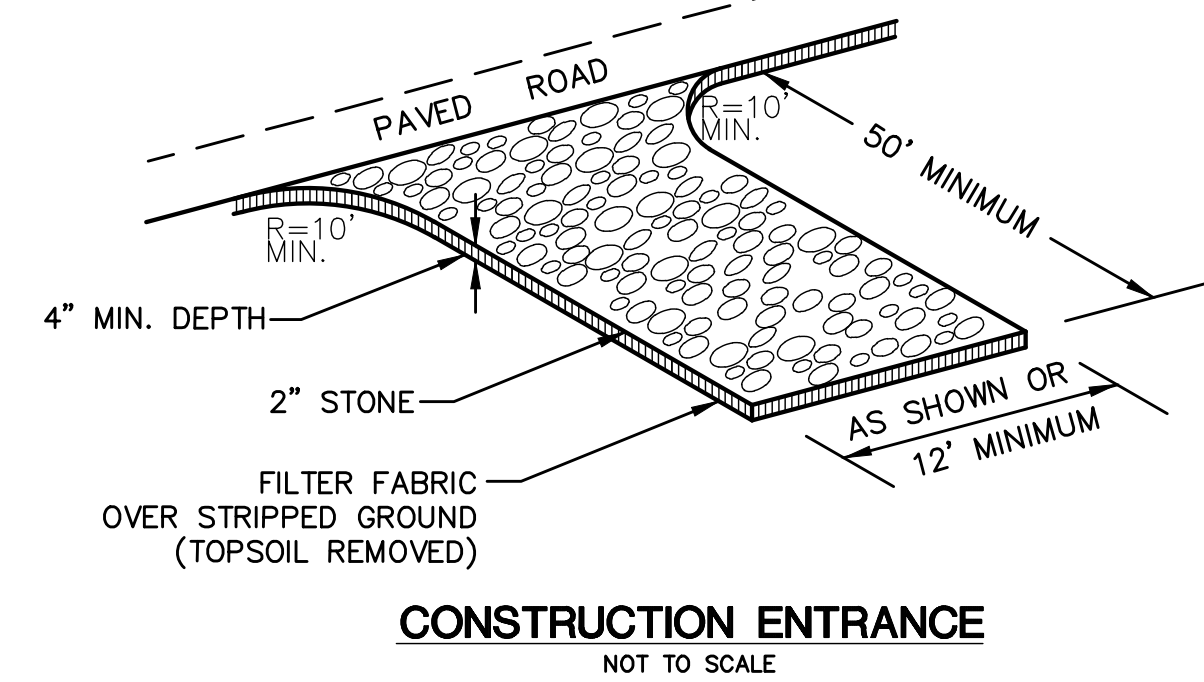
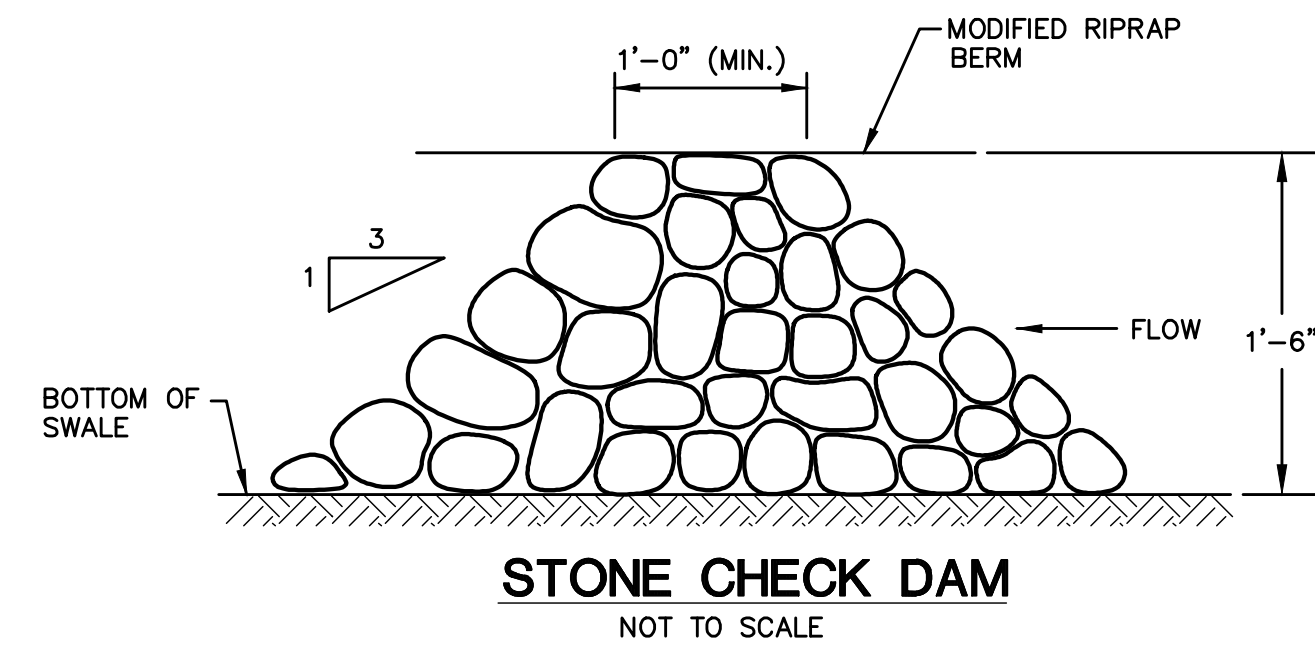
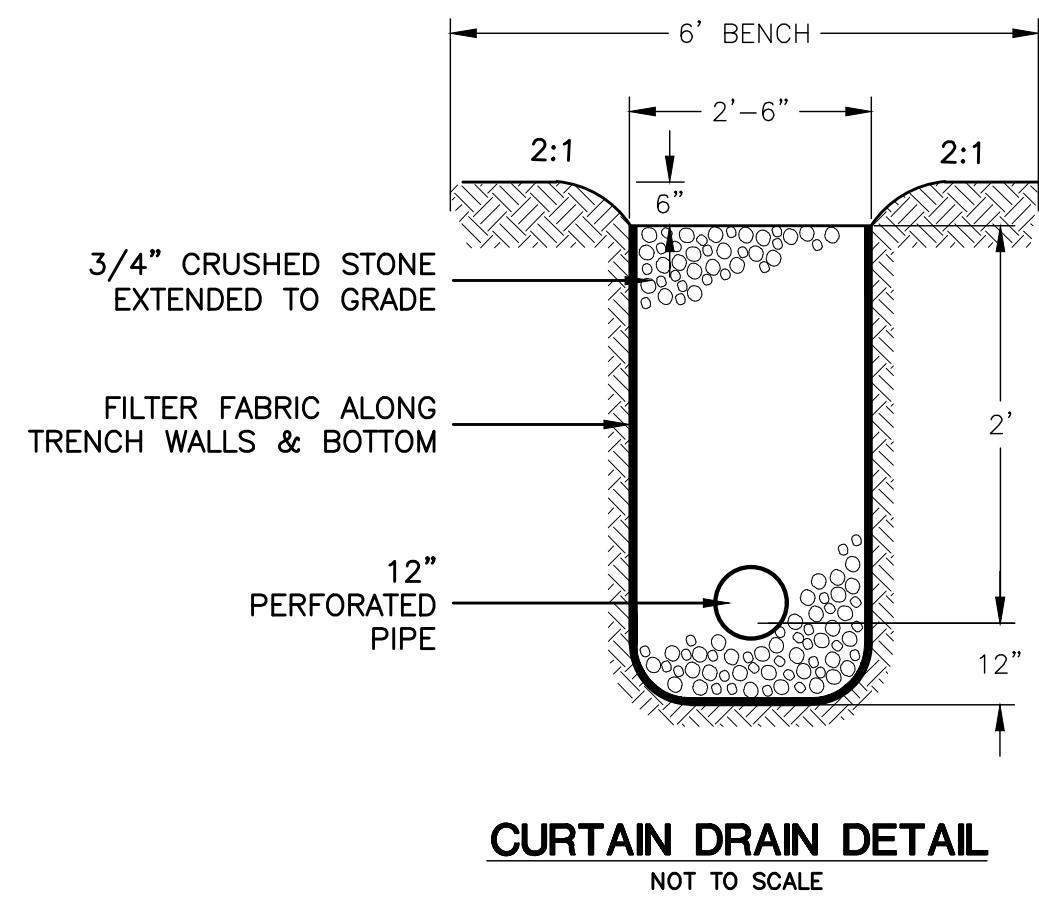
REACTION TYPE	PIPE SIZE							
	4"	6"	8"	10"	12"	16"	18"	24"
A	1.8	4.4	7.8	11.2	17.2	30.8	36.0	69.2
B	1.4	3.2	5.6	8.4	12.2	21.8	27.8	49.5
C	1.0	2.4	4.2	6.0	9.4	16.6	19.4	37.6
D	0.6	1.2	2.2	3.0	4.8	8.6	10.0	19.2
E	0.2	0.6	1.0	1.6	2.4	4.2	5.0	9.6

OTHER TEST PRESSURES FOR THE ABOVE REACTIONS
SQUARE FEET OF CONCRETE THRUST BLOCKING FOR OTHER TEST PRESSURES IS DIRECTLY PROPORTIONAL TO THE ABOVE TABLE. FOR INSTANCE, AT 100 PSI TEST PRESSURE THE ABOVE NUMBERS ARE HALVED. THE ABOVE NUMBERS REPRESENT MINIMUM ALLOWABLE SIZES FOR THRUST BLOCKS

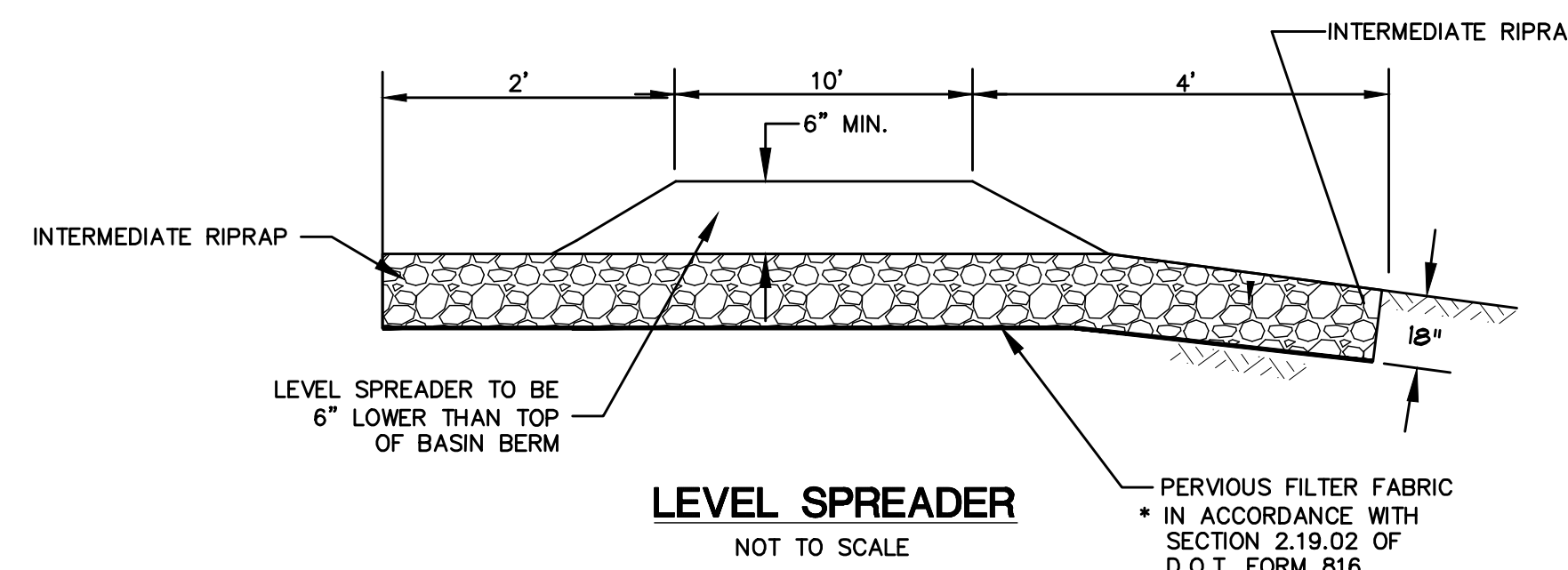
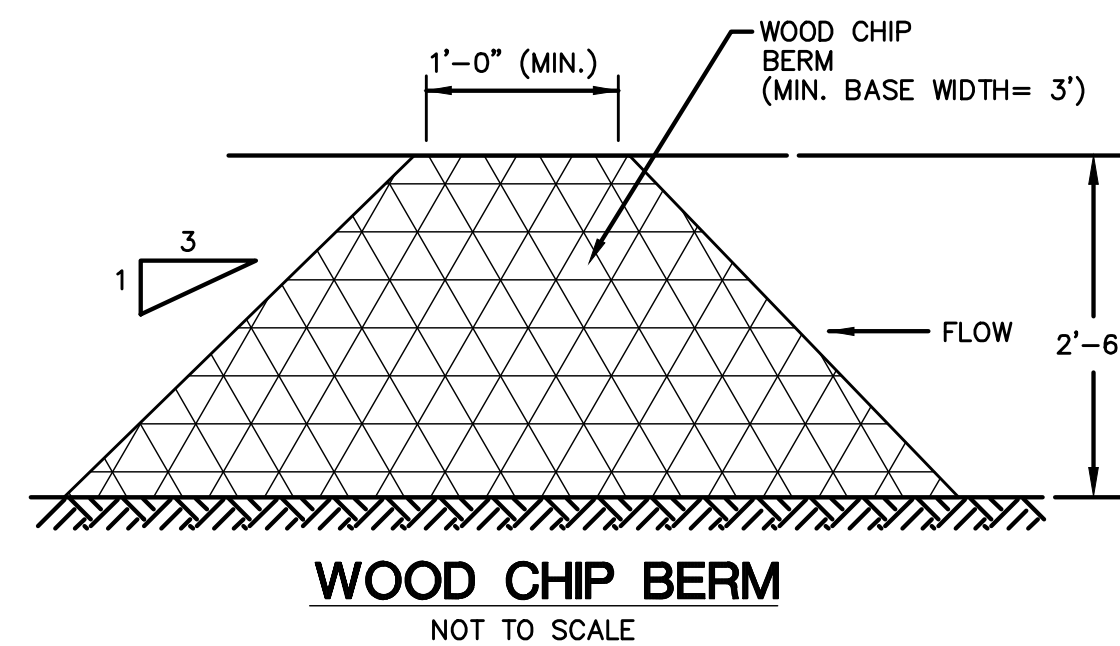
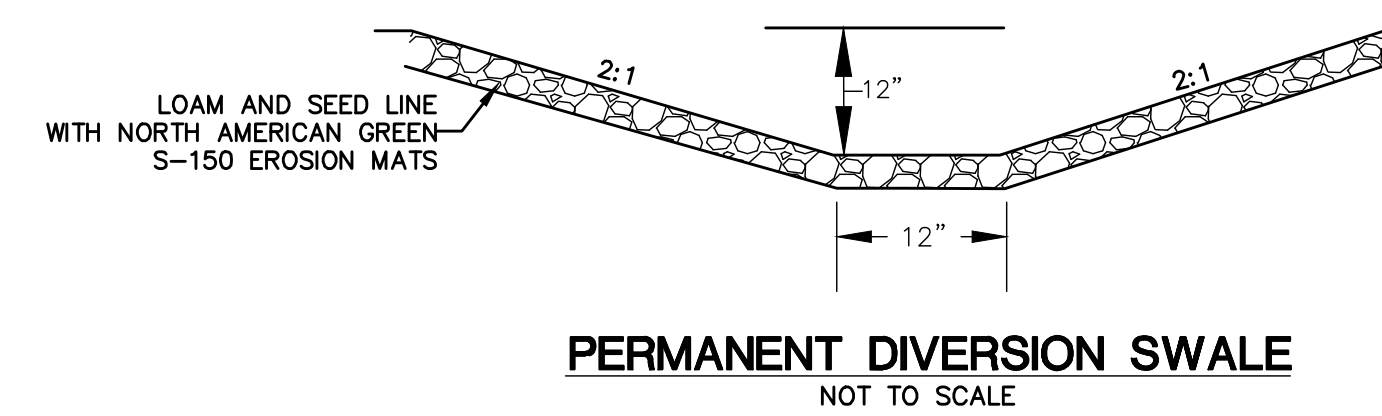
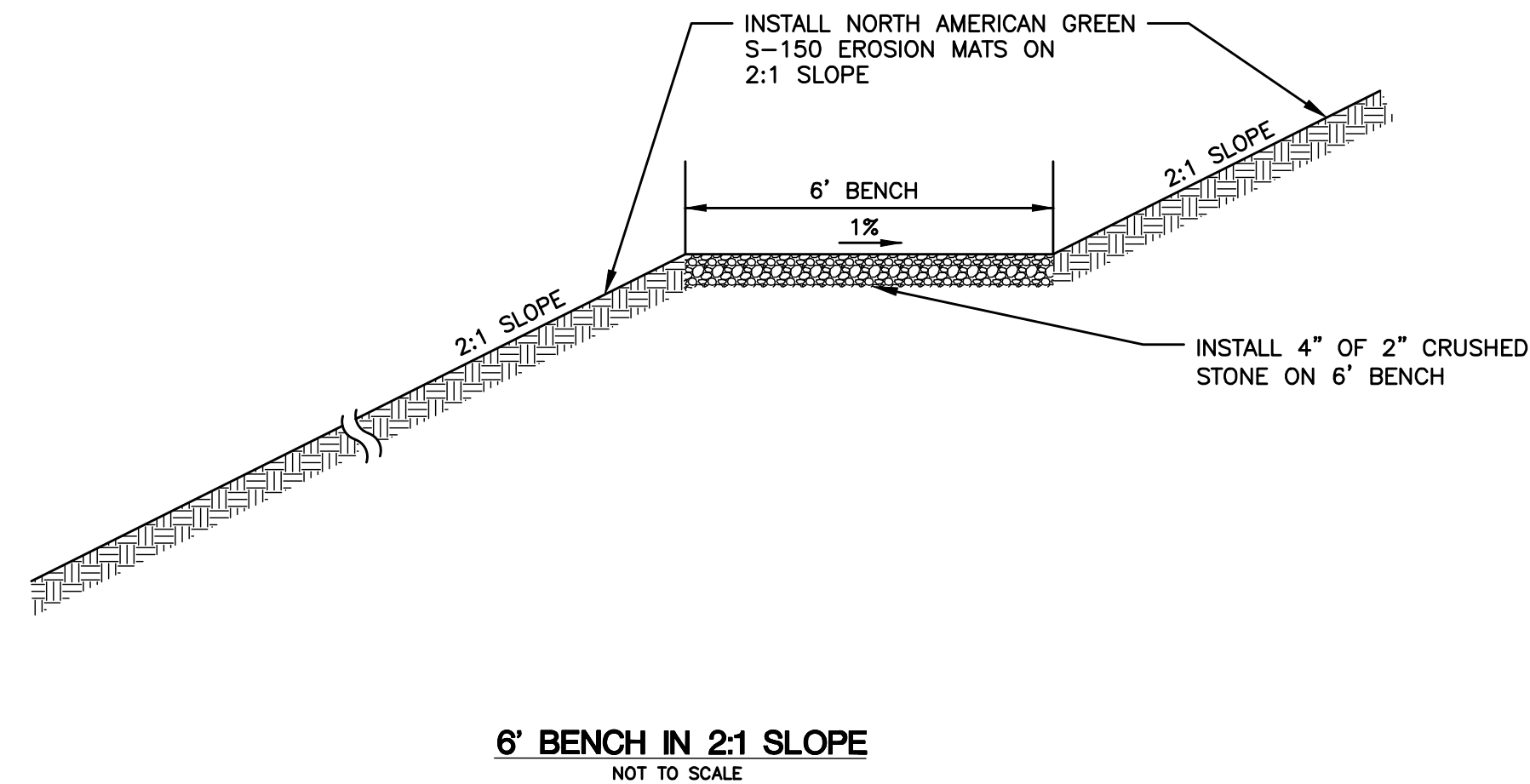
- NOTES:
- FOUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE.
 - ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING. PLACE BOARD IN FRONT OF ALL CAPS BEFORE POURING THRUST BLOCK.
 - REQUIREMENTS OF THE ABOVE TABLE PRESUME MINIMUM SOIL BEARING OF ONE TON PER SQUARE FOOT, AND MAY BE VARIED BY THE ENGINEER TO MEET OTHER CONDITIONS ENCOUNTERED.
 - TEST PRESSURE FOR WATER MAINS SHALL BE 200 PSI.



GREEN SITE DESIGN LLC		
317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165		
MONTVILLE, CT		
69 FITCH HILL RD & LEFFINGWELL RD		
SEPTIC DETAILS		
No.	DATE	REVISION
Project No. GSD-68		Proj. Engineer E.M.B.
Date: 2/15/23		Sheet No. 9



- NOTES:**
1. D=INSIDE DIAMETER OF PIPE
 2. TRENCH WIDTHS NOTED ARE SET TO ESTABLISH PAY LIMITS ONLY.
 3. ALL EXCAVATIONS MUST MEET OSHA STANDARDS.
 4. CONTRACTOR TO PROVIDE COMPACTION ON ALL TRENCH BACKFILLS, EXCAVATIONS AND PAVEMENT BASES TO NOT LESS THAN 90% OF THE DRY DENSITY FOR THAT MATERIAL.
 5. BEDDING MATERIAL TO CONFORM TO M.08.03.1 AS PER CT DOT FORM 817.



POLLUTION PREVENTION PLAN

1. **POLLUTION PREVENTION TEAM**
THE OWNERS WILL BE RESPONSIBLE FOR CARRYING OUT THE PROVISIONS OF THIS PLAN.

PARKING LOTS, DRIVEWAYS AND OTHER IMPERVIOUS SURFACES SHALL BE SWEEP CLEAN OF SAND AND LITTER AND ANY OTHER POLLUTANTS AT LEAST TWICE A YEAR.
A. BETWEEN NOVEMBER 15 AND DECEMBER 15 (AFTER LEAF FALL)
B. DURING APRIL (AFTER SNOW MELT) NO WASHING VEHICLES OR EQUIPMENT IN PARKING AREAS.
2. **MAINTENANCE AND INSPECTION**
A. MONTHLY INSPECTION OF STORM WATER STRUCTURES AND OUTFALLS.
B. CLEAN SEDIMENT AND DEBRIS FROM STRUCTURES AND OUTFALLS ONCE A YEAR DURING APRIL.
C. SUBMIT MAINTENANCE & INSPECTION REPORT TO THE PLANNING DEPARTMENT AND THE DIRECTOR OF PUBLIC WORKS
3. CLEAN SEDIMENT AND DEBRIS FROM BASIN ONCE A YEAR, DURING APRIL
4. **SPILL OR ACCIDENTAL DISCHARGE**
COMPLY WITH STATE AND FEDERAL REGULATIONS TO CONTAIN AND CLEAN UP ANY SPILL OR DISCHARGE AND DISPOSE OF MATERIALS AT AN APPROVED FACILITY.

CONTACT CONNECTICUT DEEP OIL AND CHEMICAL SPILL RESPONSE DIVISION (860) 424-3338 AND THE MONTVILLE MAYOR.

IN THE EVENT A SPILL OCCURS THE FOLLOWING STEPS SHOULD BE PERFORMED AS SOON AS POSSIBLE:
A. STOP THE SOURCE OF THE SPILL
B. CONTAIN THE SPILL
C. COVER SPILL WITH ABSORBENT MATERIAL SUCH AS KITTY LITER, SAWDUST OR OIL ABSORBENT PADS. DO NOT USE STRAW.
D. DISPOSE OF ABSORBER IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
5. BEST MANAGEMENT PRACTICES FOR FUTURE UPKEEP OF THE SITE WILL INCLUDE NON-CHEMICAL LAWN CARE & MINIMAL USE OF FERTILIZERS, DE-ICING OR WINTER OPERATIONS WITHOUT THE USE OF CALCIUM, AND NO EXTERIOR WASHING OF VEHICLES OR DISCHARGING OF INTERIOR WASH WATER.

OPERATION AND MAINTENANCE OF DRAINAGE SYSTEM

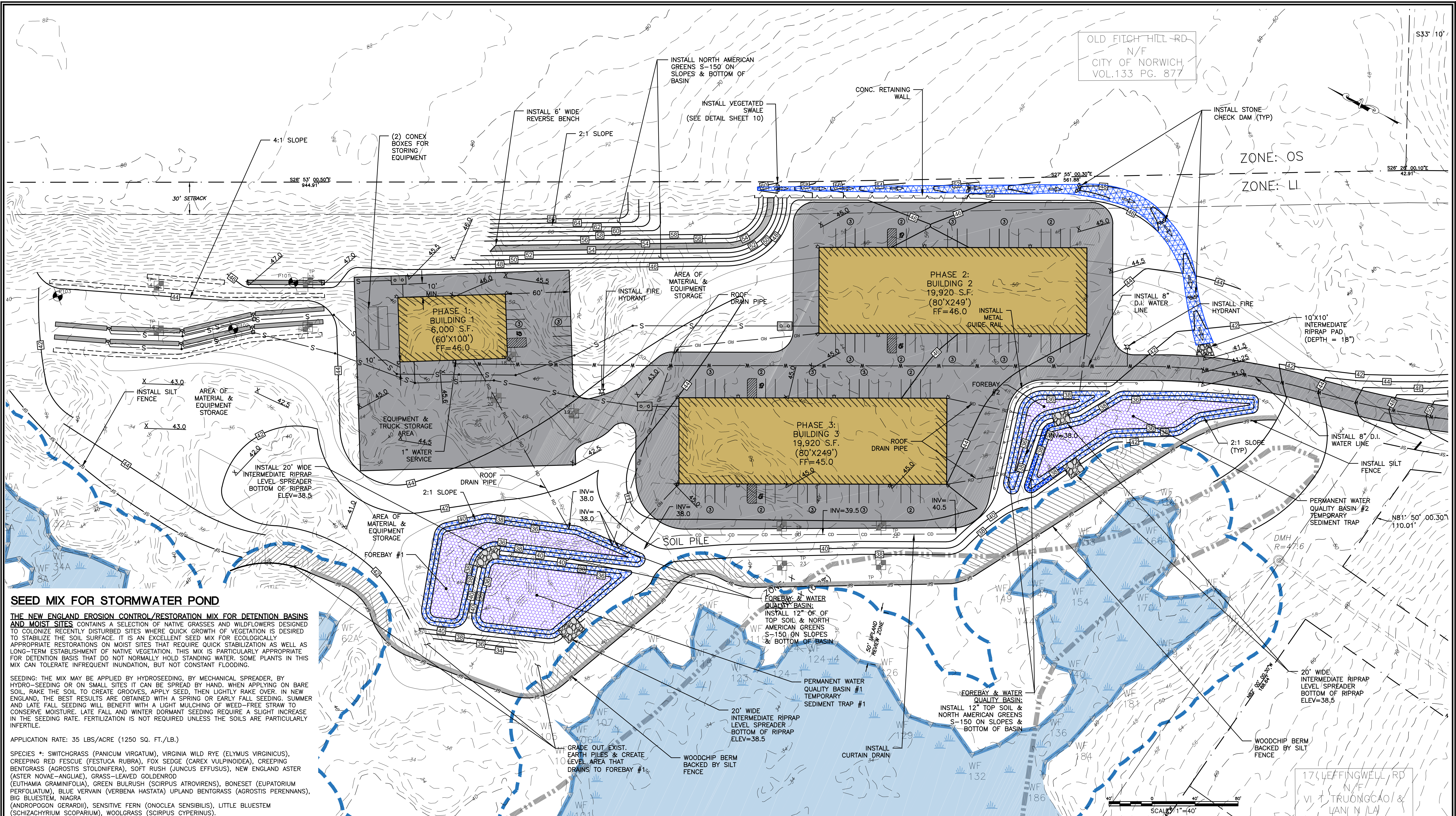
1. THE PROPERTY OWNER IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE DRAINAGE SYSTEM.
2. ALL STORMWATER BASINS AND RIPRAP LEVEL SPREADERS SHALL BE CLEANED OUT TWICE A YEAR, IN THE FALL AFTER THE LEAVES HAVE FALLEN AND IN THE SPRING AND ALL SEDIMENTS ARE TO BE REMOVED.
3. THE STORMWATER BASINS SHALL BE MOWED TWICE A YEAR.

EROSION CONTROL & SEDIMENTATION NARRATIVE

1. PRIOR TO THE INSTALLATION OF ANY EROSION AND SEDIMENT CONTROL MEASURES, THE OWNER AND CONTRACTOR SHALL MEET WITH THE TOWN OF MONTVILLE ZONING ENFORCEMENT OFFICER
2. STAKE LIMITS OF CLEARANCE
3. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON SHEETS 5 & 6 PRIOR TO SITE DISTURBANCE. ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED TO BE NECESSARY BY THE ZONING ENFORCEMENT OFFICER.
4. INSTALL CONSTRUCTION ENTRANCE PER DETAIL.
5. THE CONTRACTOR SHALL CONTACT THE ZONING ENFORCEMENT OFFICER FOR INSPECTION OF THE SEDIMENT AND EROSION CONTROL MEASURES. PRIOR TO SITE DISTURBANCE CONSTRUCTION SHALL NOT BEGIN UNTIL SUCH TIME AS THE ZONING ENFORCEMENT OFFICER HAS REVIEWED AND APPROVED THE INSTALLATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES.
6. CONTRACTOR TO INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES, SEDIMENTATION BASINS & SWALES AT LEAST WEEKLY AND AFTER EVERY STORM EVENT AND REPAIR AND MAINTAIN AS NECESSARY.
7. CLEARING & GRUBBING OF THE AREA TO BE GRADED, TOPSOIL TO BE REMOVED & STOCKPILED IN AN AREA OF BUILDING & SURROUNDED WITH SILT FENCE.
8. CONSTRUCT WATER QUALITY BASINS TO FUNCTION AS TEMPORARY SEDIMENT TRAPS PRIOR TO ROUGH GRADING OF THE SITE.
9. INSTALL DIVERSION SWALES AS SHOWN ON SHEET 5 AND DETAIL ON THIS SHEET.
10. ROUGH GRADE SITE, EXCAVATE FOR BUILDING FOOTINGS, INSTALL SEPTIC & UTILITIES.
11. BUILDING CONSTRUCTION TO PROCEED.
12. INSTALL SEPTIC SYSTEM & UTILITIES.
13. TOPSOIL SHALL BE RE-APPLIED TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES.
14. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED.
15. ONCE THE SITE IS STABILIZED, REMOVE ALL SEDIMENT FROM FOREBAYS & WATER QUALITY BASIN
16. REMOVE AN ADDITIONAL 12" OF MATERIAL BELOW ELEVATION 36 AND INSTALL 12" OF TOP SOIL.
17. SEEDING SHOULD TAKE PLACE BETWEEN APRIL 1 AND JUNE 1 OR AUGUST 15 AND OCTOBER 1.
18. THE FOLLOWING SEEDING MIXTURES SHALL BE PROVIDED ON ALL DISTURBED AREAS.
KENTUCKY BLUE GRASS 20 LB's/AC
CREEPING RED FESCUE 20 LB's/AC
PERENNIAL RYEGRASS 5 LB's/AC
19. UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO CONNECTICUT GUIDELINES FOR SOIL AND SEDIMENT CONTROL.

		GREEN SITE DESIGN LLC	
		317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165	
		MONTVILLE, CT	
		69 FITCH HILL RD & LEFFINGWELL RD	
		E&S DETAILS	
		10	





SEED MIX FOR STORMWATER POND

THE NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES CONTAINS A SELECTION OF NATIVE GRASSES AND WILDFLOWERS DESIGNED TO COLONIZE RECENTLY DISTURBED SITES WHERE QUICK GROWTH OF VEGETATION IS DESIRED TO STABILIZE THE SOIL SURFACE. IT IS AN EXCELLENT SEED MIX FOR ECOLOGICALLY APPROPRIATE RESTORATIONS ON MOIST SITES THAT REQUIRE QUICK STABILIZATION AS WELL AS LONG-TERM ESTABLISHMENT OF NATIVE VEGETATION. THIS MIX IS PARTICULARLY APPROPRIATE FOR DETENTION BASINS THAT DO NOT NORMALLY HOLD STANDING WATER. SOME PLANTS IN THIS MIX CAN TOLERATE INFREQUENT INUNDATION, BUT NOT CONSTANT FLOODING.

SEEDING: THE MIX MAY BE APPLIED BY HYDROSEEDING, BY MECHANICAL SPREADER, BY HYDRO-SEEDING OR ON SMALL SITES IT CAN BE SPREAD BY HAND. WHEN APPLYING ON BARE SOIL, RAKE THE SOIL TO CREATE GROOVES, APPLY SEED, THEN LIGHTLY RAKE OVER. IN NEW ENGLAND, THE BEST RESULTS ARE OBTAINED WITH A SPRING OR EARLY FALL SEEDING. SUMMER AND LATE FALL SEEDING WILL BENEFIT WITH A LIGHT MULCHING OF WEED-FREE STRAW TO CONSERVE MOISTURE. LATE FALL AND WINTER DORMANT SEEDING REQUIRE A SLIGHT INCREASE IN THE SEEDING RATE. FERTILIZATION IS NOT REQUIRED UNLESS THE SOILS ARE PARTICULARLY INFERTILE.

APPLICATION RATE: 35 LBS/ACRE (1250 SQ. FT./LB.)

SPECIES *: SWITCHGRASS (PANICUM VIRGATUM), VIRGINIA WILD RYE (ELYMUS VIRGINICUS), CREEPING RED FESCUE (FESTUCA RUBRA), FOX SEDGE (CAREX VULPINOIDEA), CREEPING BENTGRASS (AGROSTIS STOLONIFERA), SOFT RUSH (JUNCUS EFFUSUS), NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE), GRASS-LEAVED GOLDENROD (EUTHAMIA GRAMINIFOLIA), GREEN BULRUSH (SCIRPUS ATROVIRENS), BONESET (EUPATORIUM PERFORIATUM), BLUE VERVAIN (VERBENA HASTATA) UPLAND BENTGRASS (AGROSTIS PERENNANS), BIG BLUESTEM, NIAGRA (ANDROPOGON GERARDII), SENSITIVE FERN (ONOCLEA SENSIBILIS), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), WOOLGRASS (SCIRPUS CYPERINUS).

SEED MIX FOR PERIMETER SLOPES

THE NEW ENGLAND NATIVE WARM SEASON GRASS MIX CONTAINS A BROAD SPECTRUM OF NATIVE WARM SEASON GRASSES TO ENSURE THAT A VARIETY OF THE SPECIES WILL SURVIVE IN THE SANDY AND DROUGHTY CONDITIONS TYPICALLY FOUND ALONG ROADSIDES, GRAVEL MINE RECLAMATION AREAS, AND OTHER LOW-FERTILITY, WELL-DRAINED SOIL CONDITIONS. THIS MIX IS SOMEWHAT SLOW TO GERMINATE AND ESTABLISH DURING THE FIRST YEAR OF PLANTING, BUT IT WILL PRODUCE GOOD COVER BY THE END OF THE SECOND GROWING SEASON AND ESTABLISH LONG-LIVING NATIVE STANDS. COOL SEASON RYE GRASS AND FESCUE HAVE BEEN ADDED AS A "STARTER" SEED FOR EROSION CONTROL. THIS MIX HAS EXCELLENT HEAT AND DROUGHT TOLERANCE, AND GROWS WELL IN WELL-DRAINED SOILS. WARM SEASON GRASSES PROVIDE EXCELLENT YEAR-ROUND COVER AND FOOD FOR WILDLIFE, PARTICULARLY AS WINTER COVER FOR SMALL ANIMALS.

SEEDING: THIS MIX MAY BE APPLIED BY HYDRO SEEDING ON SLOPES, BY MECHANICAL SPREADER, OR ON SMALL SITES IT MAY BE SPREAD BY HAND. IN NEW ENGLAND, THE BEST RESULTS ARE OBTAINED WITH A MID-LATE SPRING SEEDING. APPLICATION RATE: 23 LBS/ACRE (1900 SQ. FT./LB)

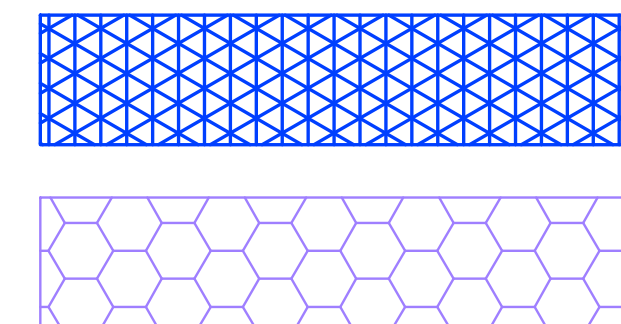
NOTES:

1. INSTALL FOREBAY #1, WATER QUALITY BASIN #1, AND WATER QUALITY BASIN #2. AS SHOWN PRIOR TO THE START OF CONSTRUCTION.
2. ONCE THE SITE IS STABILIZED, REMOVE ALL SEDIMENT FROM FOREBAYS & WATER QUALITY BASINS.
3. REMOVE AN ADDITION 12" OF MATERIAL, BELOW ELEVATION OF 36 AND INSTALL 12" OF TOPSOIL.

THE FOLLOWING SEEDING MIXTURES SHALL BE PROVIDED ON ALL DISTURBED AREAS.

KENTUCKY BLUE GRASS	20 LB's/AC
CREEPING RED FESCUE	20 LB's/AC
PERENNIAL RYEGRASS	5 LB's/AC

NOTE: SITE GRADING SEEDING TO BE USED IN ALL DISTURBED AREAS



PERIMETER SLOPES SEED MIX

WETLAND MIX (NEW ENGLAND EROSION CONTROL/RESTORATION FOR MOIST SITES)

OLD FITCH HILL RD
N/F
CITY OF NORWICH
VOL.133 PG. 877

ZONE: OS
ZONE: LI

GREEN SITE DESIGN LLC
317 Main Street Norwich, Connecticut
(860) 892-1380 Fax (860) 886-9165

69 FITCH HILL RD & LEFFINGWELL RD

PLANTING PLAN

Project No. GSD-68
Proj. Engineer E.M.B.
Date: 2/15/23
Sheet No. **11**

