

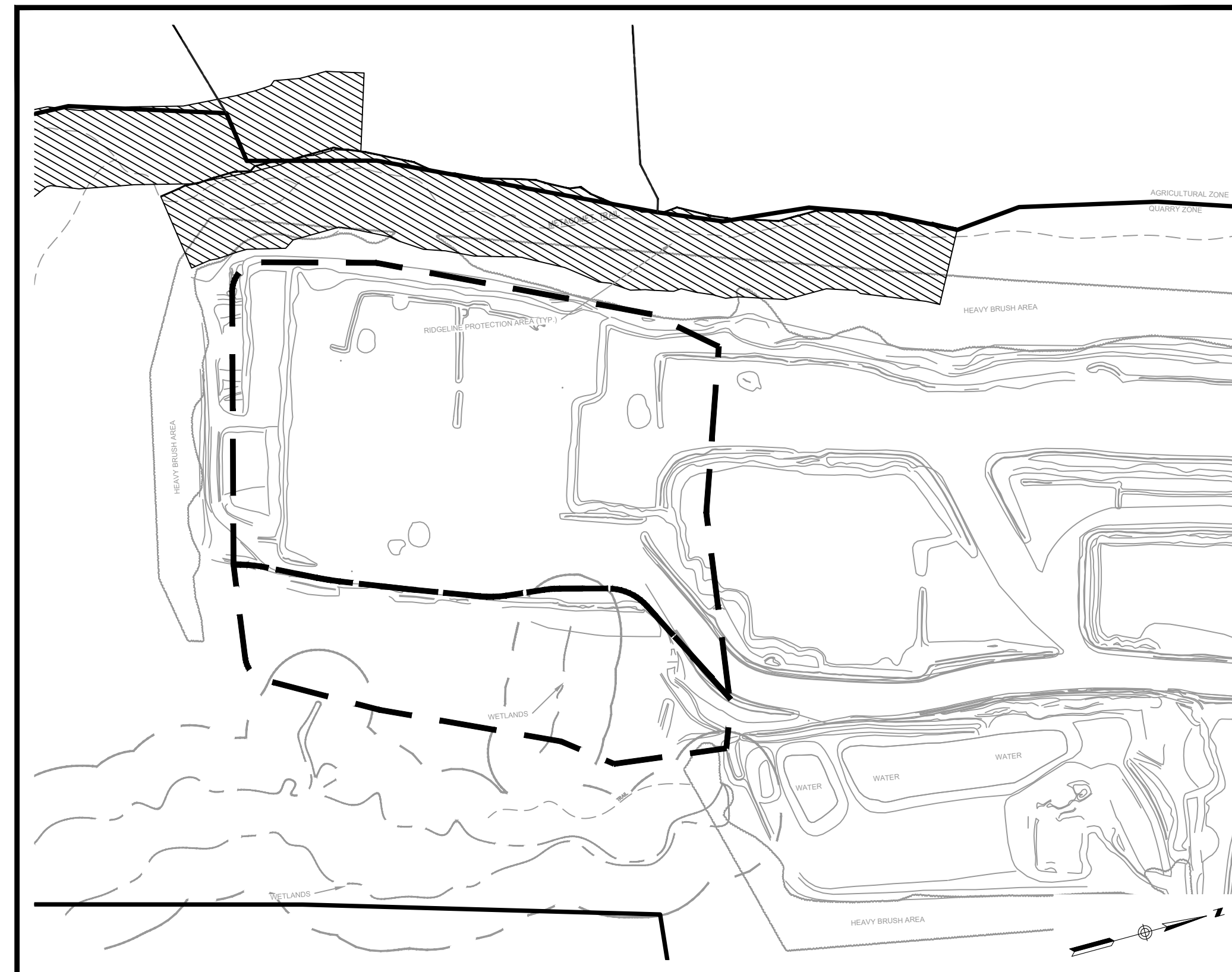
GALASSO QUARRY PERMIT RENEWAL

60 SOUTH MAIN STREET
EAST GRANBY, CT

MAY 9, 2024



LOCATION MAP
SCALE: 1"=1,000±



DRAWING INDEX		
SHEET NO	DRAWING	SHEET TITLE
1		COVER SHEET
2	1 OF 2	TOPOGRAPHIC SURVEY (BY OTHERS)
3	2 OF 2	TOPOGRAPHIC SURVEY (BY OTHERS)
4	C-1	OVERALL SITE AREA KEY MAP
5	C-2	EXISTING CONDITIONS PLAN
6	C-3	SITE PREPARATION PLAN
7	C-4	SITE LAYOUT PLAN
8	C-5	OVERALL GRADING PLAN
9	C-6	DETAILED GRADING PLAN
10	C-7	EXCAVATION PLAN
11	C-8	EXCAVATION CROSS SECTIONS

Property Owner:

GALASSO HOLDINGS, LLC
60 SOUTH MAIN STREET
EAST GRANBY, CT

Applicant:

GALASSO MATERIALS, LLC
60 SOUTH MAIN STREET
EAST GRANBY, CT

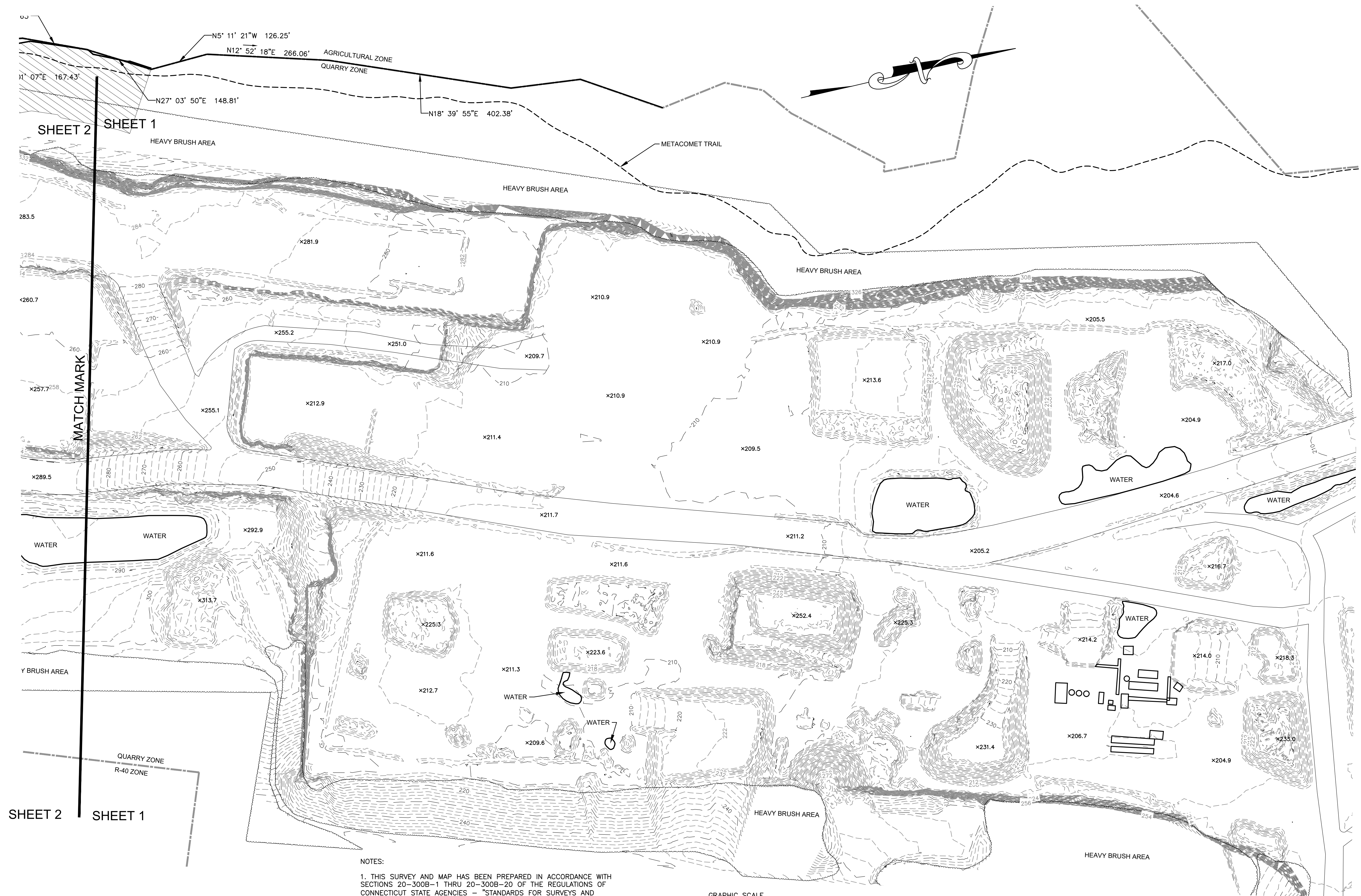
Prepared By:

Engineer:

Loureiro Engineering Associates, Inc.
100 Northwest Drive · Plainville, Connecticut 06062
Phone: 860-747-6181 · Fax: 860-747-8822
An Employee Owned Company · www.Loureiro.com



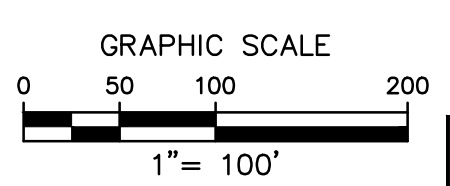
Engineering • Construction • EH&S • Energy
Waste • Facility Services • Laboratory



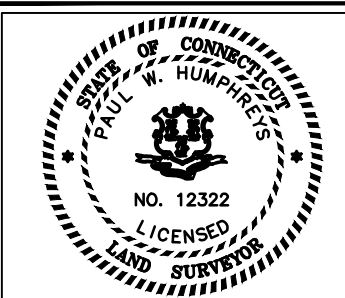
TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

By *Paul W. Humphreys*
 PAUL W. HUMPHREYS, LS
 LIC. NO. 12322

- NOTES:
1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS REVISED OCT 26, 2018 ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUG. 29, 2019. THIS IS A TOPOGRAPHIC SURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND VERTICAL ACCURACY T-3 AND IS INTENDED TO DEPICT THE CONFIGURATION OF THE EARTH'S SURFACE AND THE LOCATION OF NATURAL AND ARTIFICIAL OBJECTS THEREON.
 2. NO PROPERTY LINES OPINION OR BOUNDARY OPINION ARE SHOWN ON THIS SURVEY.
 3. CONTOURS ARE GENERATED FROM A DRONE FLIGHT ON APRIL 28, 2024
 4. GROUND CONTROL PROVIDED BY CLOSE, JENSEN & MILLER. POST PROCESSING PROVIDED BY AEROTAS
 5. CONTOUR INTERVAL 2' AND 10'
 6. THIS SURVEY IS NOT VALID WITHOUT A LIVE SIGNATURE AND EMBOSSED SEAL.



No.	Date	Description
1	5/9/24	WETLANDS REVISED

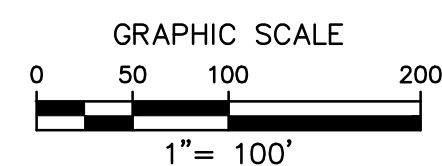
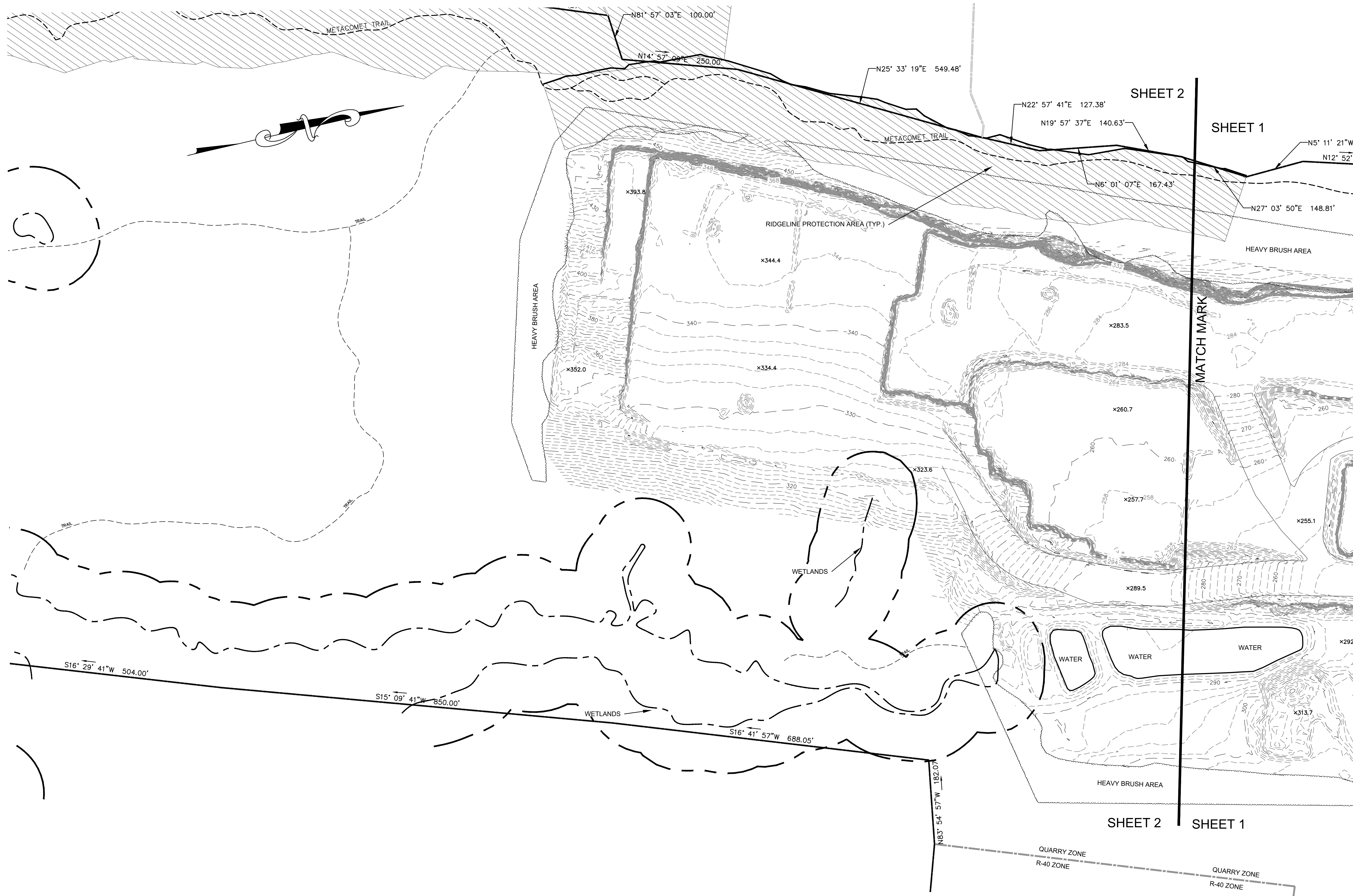


C. J. M.
Close, Jensen & Miller, P. C.
 Consulting Engineers, Land Planners & Surveyors
 1137 Silas Deane Highway, Wethersfield, Conn. 06109, Tel. (860)563-9375

TOPOGRAPHIC SURVEY
 PREPARED FOR
GALASSO MATERIALS, LLC
 60 SOUTH MAIN STREET
 EAST GRANBY CONNECTICUT

Compiled	
P.C. Check	
Designed	
Drawn	
Checked	
Scale	1"=20'
Date	5/8/24
Sheet	Of
1	2
Job No.	
File No.	

D:\CADD\2024\GALASSO_MATERIALS_LL_C\GALASSO_MATERIALS_LL_C_SURVEY_2024.dwg



No.	Date	Description

No.	Date	Description

C. J. M.
Close, Jensen & Miller, P. C.
 Consulting Engineers, Land Planners & Surveyors
 1137 Silas Deane Highway, Wethersfield, Conn. 06109, Tel. (860)563-9375

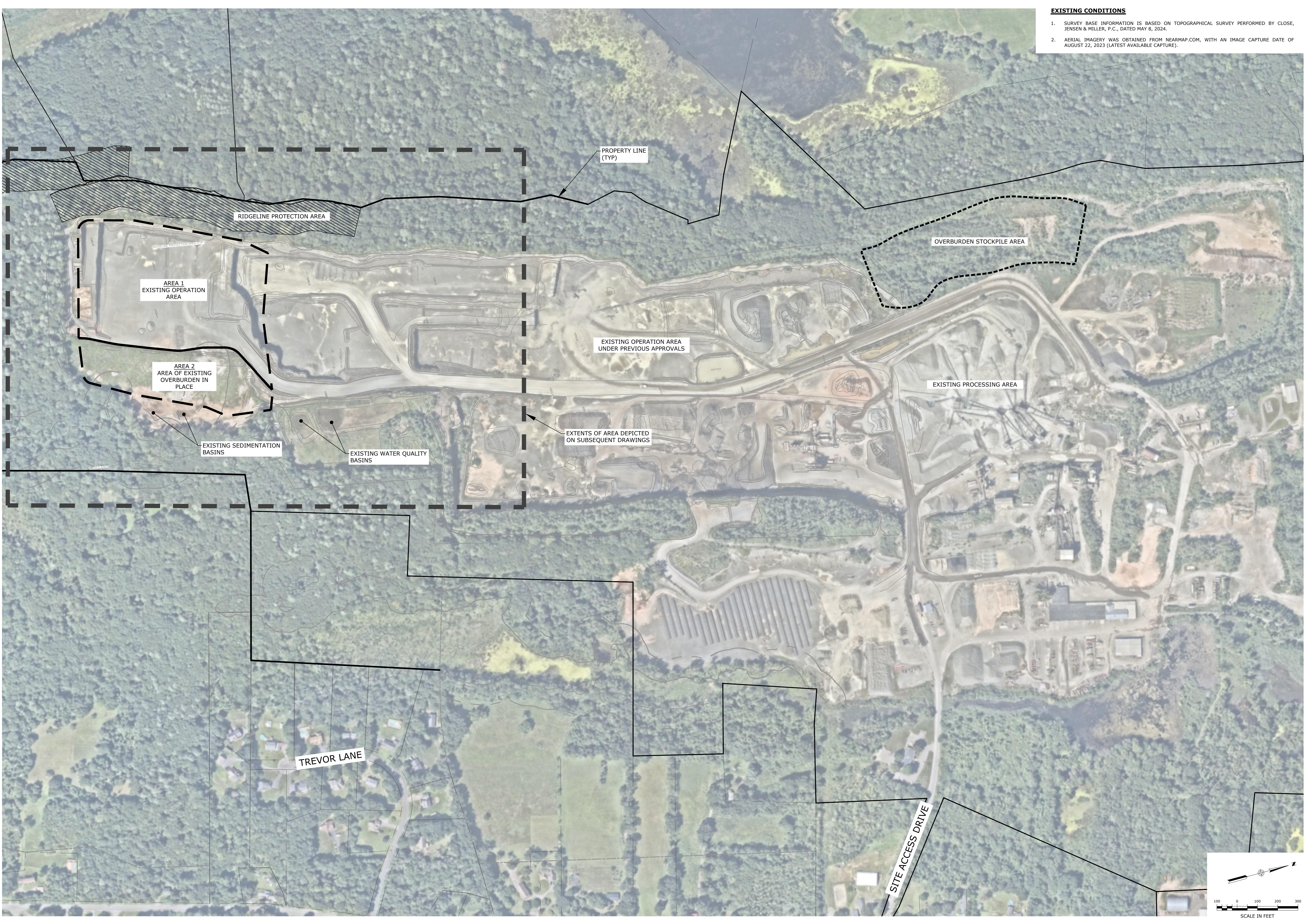
TOPOGRAPHIC SURVEY
 PREPARED FOR
GALASSO MATERIALS, LLC
 60 SOUTH MAIN STREET
 EAST GRANBY CONNECTICUT

Compiled	
P.C. Check	
Designed	
Drawn	
Checked	
Scale	1"=100'
Date	5/8/24
Sheet	Of
2	2
Job No.	
File No.	

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CADD DWG: GALASSO_MATERIALS_LL_CADD_SURVEY_2024.dwg

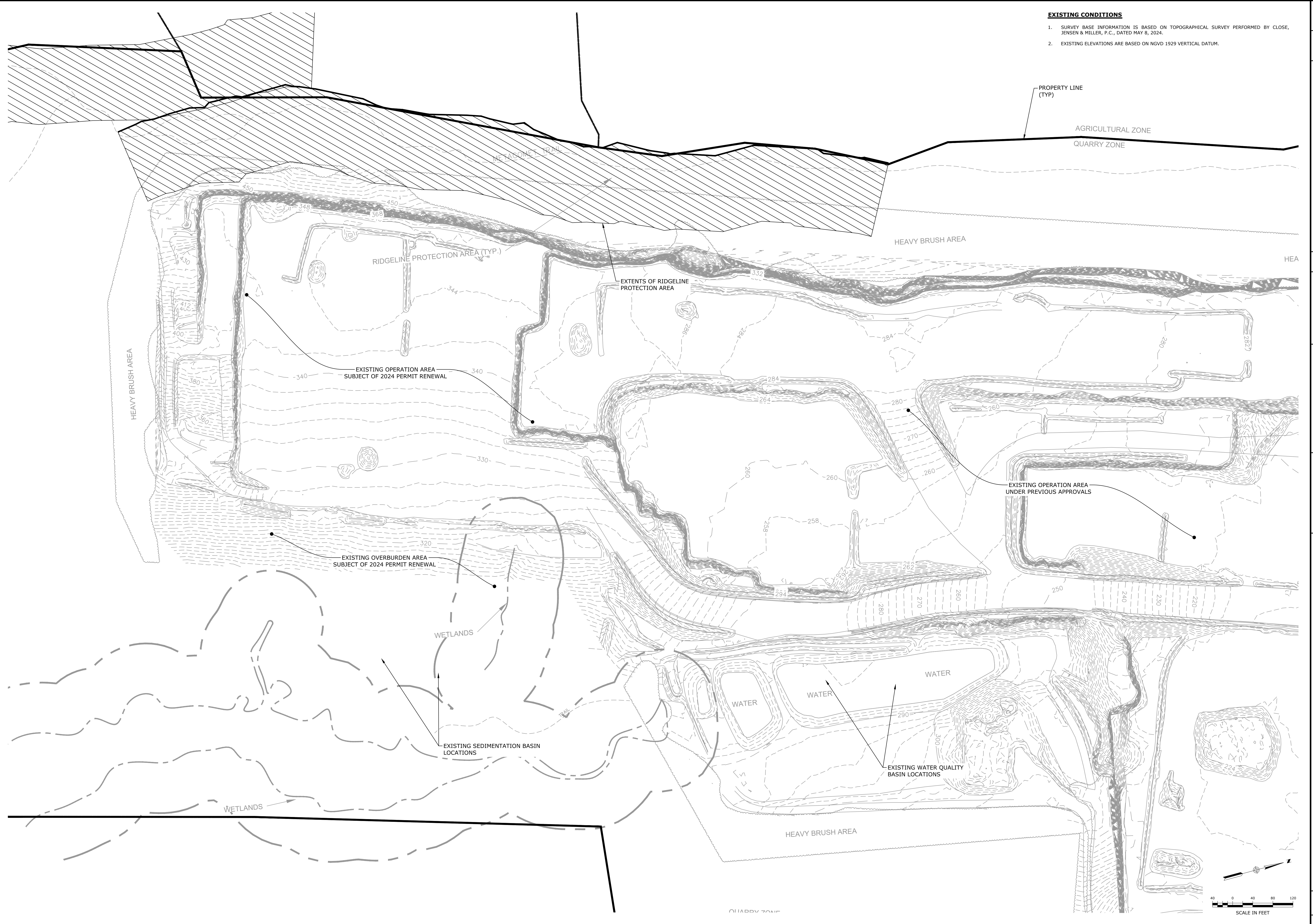
V:\ACT\LAST GRANBY\MAIN ST. 60 GALASSO 2024 QUARRY PERMIT RENEWAL\DWG\EXISTING CONDITIONS P.L\PLANS\JOB - 4 COUSAL SITE AREA KEY MAP.dwg, 5/9/2024 9:15 AM by TCCREIFFING/BRAND



- EXISTING CONDITIONS**
1. SURVEY BASE INFORMATION IS BASED ON TOPOGRAPHICAL SURVEY PERFORMED BY CLOSE, JENSEN & MILLER, P.C., DATED MAY 8, 2024.
 2. AERIAL IMAGERY WAS OBTAINED FROM NEARMAP.COM, WITH AN IMAGE CAPTURE DATE OF AUGUST 22, 2023 (LATEST AVAILABLE CAPTURE).

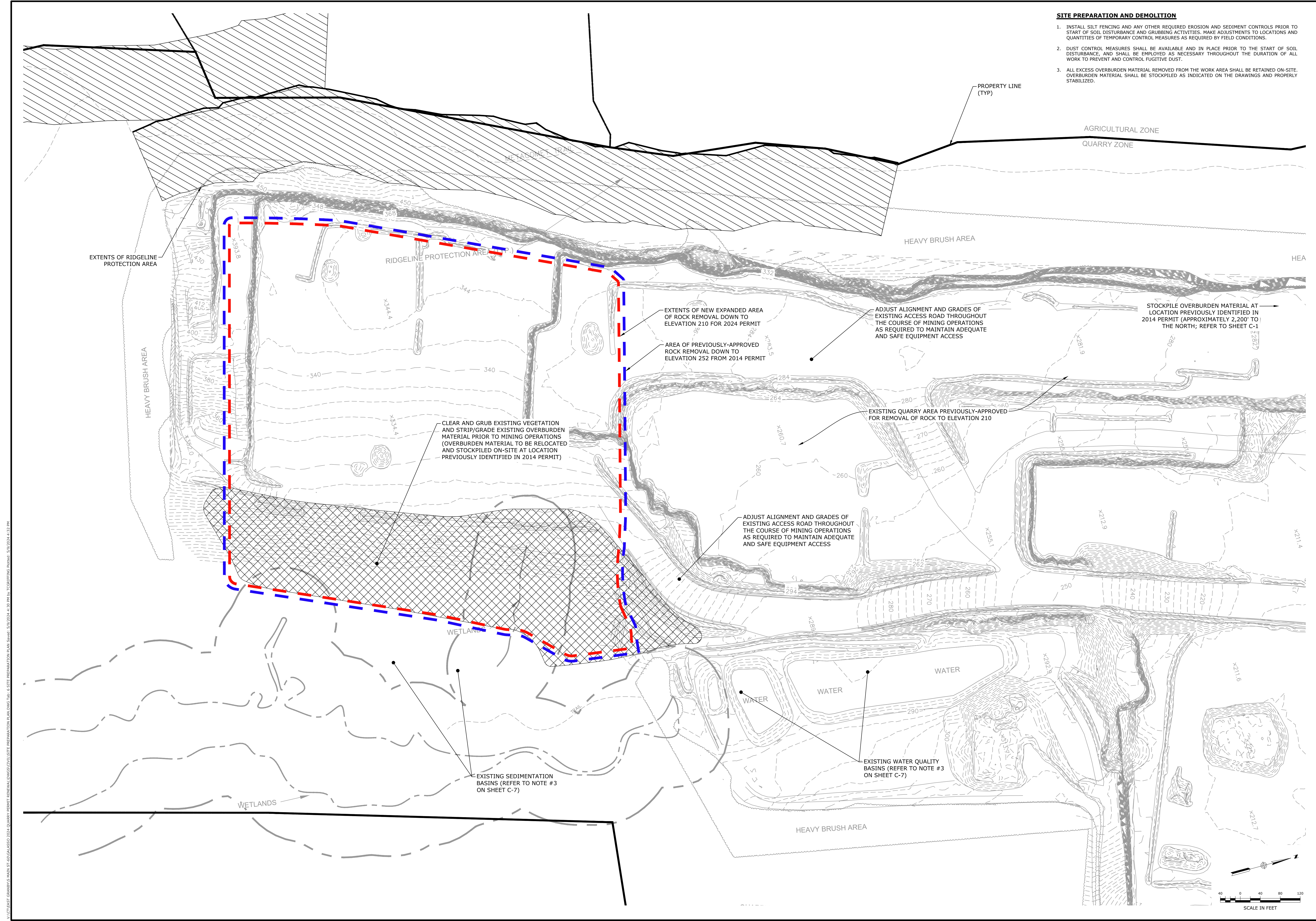
<p>OVERALL SITE AREA KEY MAP</p> <p>GALASSO QUARRY PERMIT RENEWAL 60 SOUTH MAIN STREET, EAST GRANBY, CT GALASSO MATERIALS, LLC 80 SOUTH MAIN STREET, EAST GRANBY, CT</p>		<p>SCALE: 1" = 200'</p> <p>CDS NO. 032GM4.03</p> <p>DATE 05/09/2024</p> <p>APPROVED BY TRW</p>		<p>DATE</p> <p>DESCRIPTION OF REVISION</p> <p>REV.</p> <p>DATE</p> <p>APPR.</p>
<p>DRAWING: C-1</p> <p>SHEET NO. 4 OF 11 SHEETS</p>				

V:\ACT\EST GRANBY'S MAIN ST. QUARRY PERMIT RENEWAL\DWG\EXISTING CONDITIONS PLAN.DWG, 5/9/2024 9:16 AM by TCG/BJF/BJF, 5/9/2024 4:13 PM



- EXISTING CONDITIONS**
1. SURVEY BASE INFORMATION IS BASED ON TOPOGRAPHICAL SURVEY PERFORMED BY CLOSE, JENSEN & MILLER, P.C., DATED MAY 8, 2024.
 2. EXISTING ELEVATIONS ARE BASED ON NGVD 1929 VERTICAL DATUM.

EXISTING CONDITIONS PLAN	
GALASSO QUARRY PERMIT RENEWAL 60 SOUTH MAIN STREET, EAST GRANBY, CT GALASSO MATERIALS, LLC 60 SOUTH MAIN STREET, EAST GRANBY, CT	
SCALE: 1" = 80' DRAWN BY: TCG DATE: 05/09/2024	STAMP: [Professional Engineer Seal] LOUREIRO ENGINEERING ASSOCIATES, INC. WATER & FACILITY SERVICES • LABORATORY 80 SOUTH MAIN STREET, EAST GRANBY, CT 06026 TEL: 860-747-6118 • FAX: 860-747-6822 WWW.LOUREIROENGINEERING.COM © LOUREIRO ENGINEERING ASSOCIATES, INC. ALL RIGHTS RESERVED 2024
SHEET NO. 5 NO. OF SHEETS 11	APPROVED BY: TRW DATE: 05/09/2024 DESCRIPTION OF REVISION: [Blank]

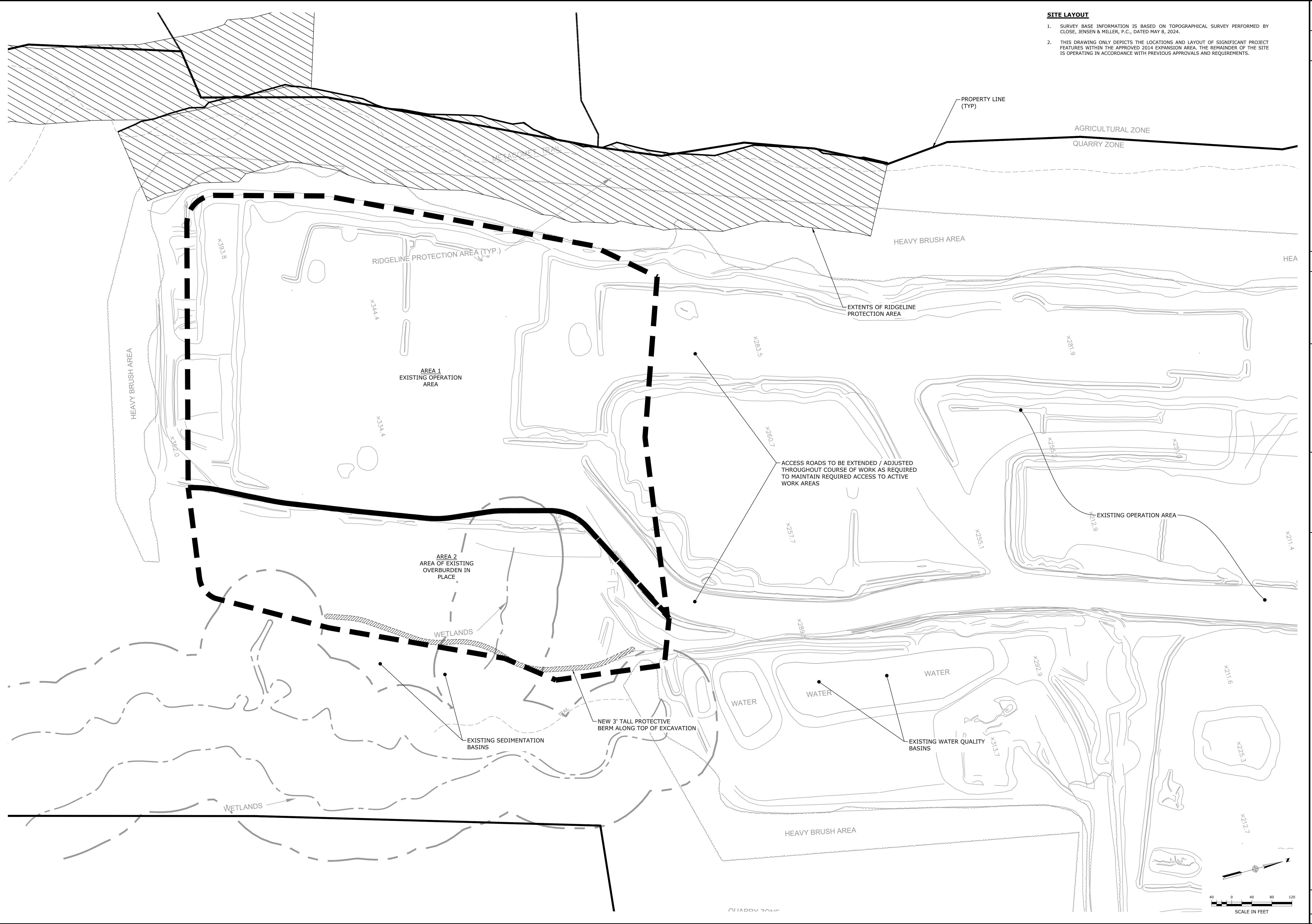


- SITE PREPARATION AND DEMOLITION**
1. INSTALL SILT FENCING AND ANY OTHER REQUIRED EROSION AND SEDIMENT CONTROLS PRIOR TO START OF SOIL DISTURBANCE AND GRUBBING ACTIVITIES. MAKE ADJUSTMENTS TO LOCATIONS AND QUANTITIES OF TEMPORARY CONTROL MEASURES AS REQUIRED BY FIELD CONDITIONS.
 2. DUST CONTROL MEASURES SHALL BE AVAILABLE AND IN PLACE PRIOR TO THE START OF SOIL DISTURBANCE, AND SHALL BE EMPLOYED AS NECESSARY THROUGHOUT THE DURATION OF ALL WORK TO PREVENT AND CONTROL FUGITIVE DUST.
 3. ALL EXCESS OVERBURDEN MATERIAL REMOVED FROM THE WORK AREA SHALL BE RETAINED ON-SITE. OVERBURDEN MATERIAL SHALL BE STOCKPILED AS INDICATED ON THE DRAWINGS AND PROPERLY STABILIZED.

V:\ACT\LAST GRANBY'S MAIN ST. 60 GALASSO QUARRY PERMIT RENEWAL\DWG\CIVIL\SITE PREPARATION PLAN\DWG_T01_6 SITE PREPARATION PLAN.dwg, 5/9/2024 4:30 PM by: TCR/STEFING/PLM, 5/9/2024 4:32 PM

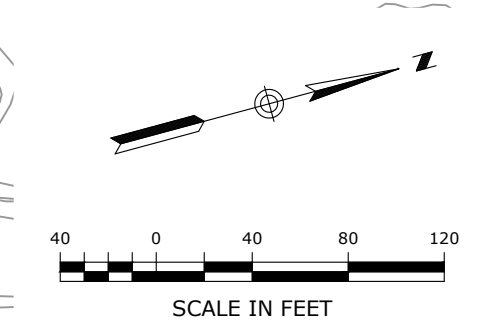
SITE PREPARATION PLAN GALASSO QUARRY PERMIT RENEWAL 60 SOUTH MAIN STREET, EAST GRANBY, CT GALASSO MATERIALS, LLC 60 SOUTH MAIN STREET, EAST GRANBY, CT	C-3 SHEET NO. 6 NO. OF SHEETS 11
SCALE: 1" = 80' CONTA. NO.: 032GM4.03 DRAWN BY: TCG APPROVED BY: TRW	DATE: 05/09/2024 DATE: 05/09/2024
Loureiro Loureiro Engineering Associates, Inc. Water & Facility Services • Laboratory Environmental • Construction • Energy	
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	STAMP DATE REV. DESCRIPTION OF REVISION

V:\ACT\EST GRANBY'S MAIN ST. 60\GALASSO 2024 QUARRY PERMIT RENEWAL\DWG\SITE LAYOUT PLAN.DWG, Thu: 5/9/2024 9:20 AM, by: TCS@GSEIENG.COM, 5/9/2024 4:13 PM



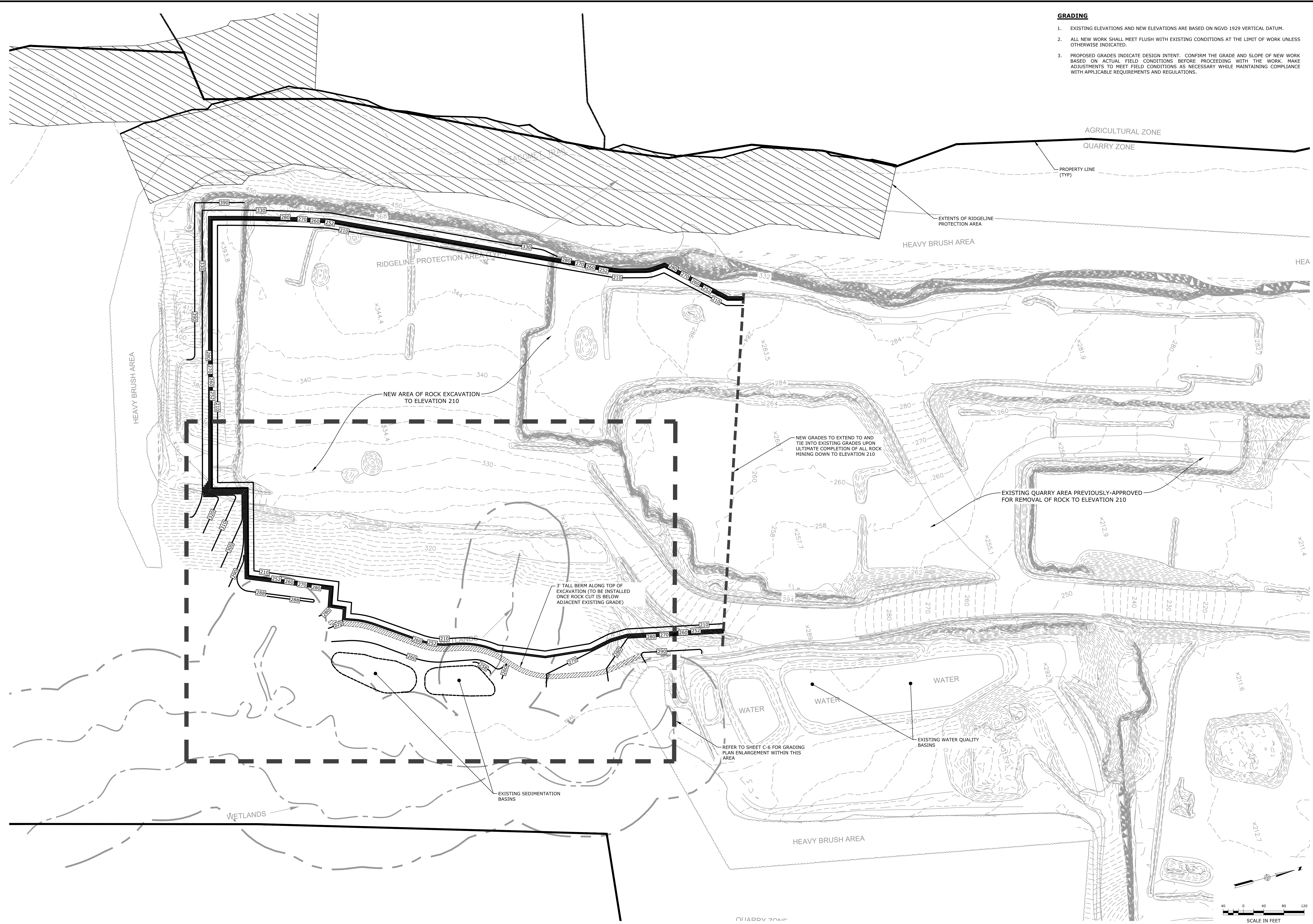
- SITE LAYOUT**
1. SURVEY BASE INFORMATION IS BASED ON TOPOGRAPHICAL SURVEY PERFORMED BY CLOSE, JENSEN & MILLER, P.C., DATED MAY 8, 2024.
 2. THIS DRAWING ONLY DEPICTS THE LOCATIONS AND LAYOUT OF SIGNIFICANT PROJECT FEATURES WITHIN THE APPROVED 2014 EXPANSION AREA. THE REMAINDER OF THE SITE IS OPERATING IN ACCORDANCE WITH PREVIOUS APPROVALS AND REQUIREMENTS.

<p>Loureiro Engineering Associates, Inc. Water • Facility Services • Laboratory Environmental • Construction • EPC • Energy</p> <p>60 South Main Street, East Granby, CT 06026 Phone: 860-747-6181 • Fax: 860-747-6822 An Employee-Owned Company • www.loureiro.com © Loureiro Engineering Associates, Inc. All Rights Reserved 2024</p>	
<p>SCALE 1" = 80'</p> <p>COMP. NO. 032GM4.03</p>	<p>DATE 05/09/2024</p> <p>DRAWN BY TCG</p> <p>APPROVED BY TRW</p>
<p>SITE LAYOUT PLAN</p> <p>GALASSO QUARRY PERMIT RENEWAL 60 SOUTH MAIN STREET, EAST GRANBY, CT GALASSO MATERIALS, LLC 60 SOUTH MAIN STREET, EAST GRANBY, CT</p>	
<p>DRAWING C-4</p> <p>SHEET NO. 7 NO. OF SHEETS 11</p>	
<p>DATE</p> <p>REV.</p> <p>DESCRIPTION OF REVISION</p>	



V:\ACT\EST GRANBY'S MAIN ST. GALASSO 2024 QUARRY PERMIT BENEATH\DWG\CVL\GRADING PLAN.DWG (SHEET 5) 05/09/2024 4:22 PM BY TCG\BTP\BTP.dwg, 5/9/2024 4:12 PM

- GRADING**
- EXISTING ELEVATIONS AND NEW ELEVATIONS ARE BASED ON NGVD 1929 VERTICAL DATUM.
 - ALL NEW WORK SHALL MEET FLUSH WITH EXISTING CONDITIONS AT THE LIMIT OF WORK UNLESS OTHERWISE INDICATED.
 - PROPOSED GRADES INDICATE DESIGN INTENT. CONFIRM THE GRADE AND SLOPE OF NEW WORK BASED ON ACTUAL FIELD CONDITIONS BEFORE PROCEEDING WITH THE WORK. MAKE ADJUSTMENTS TO MEET FIELD CONDITIONS AS NECESSARY WHILE MAINTAINING COMPLIANCE WITH APPLICABLE REQUIREMENTS AND REGULATIONS.



STAMP		DATE	DESCRIPTION OF REVISION

Loureiro
Water • Facility Services • Laboratory

Loureiro Engineering Associates, Inc.
Engineers • Architects • Surveyors • Geotechnical • Energy

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140 Main Street • East Granby, CT 06026 • Phone: 860-747-9118 • Fax: 860-747-9822

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SCALE	1" = 80'	DATE	05/09/2024
CONTRACT NO.	032GM4.03	DRAWN BY	TCG
		APPROVED BY	TRW

OVERALL GRADING PLAN

GALASSO QUARRY PERMIT RENEWAL
 60 SOUTH MAIN STREET, EAST GRANBY, CT

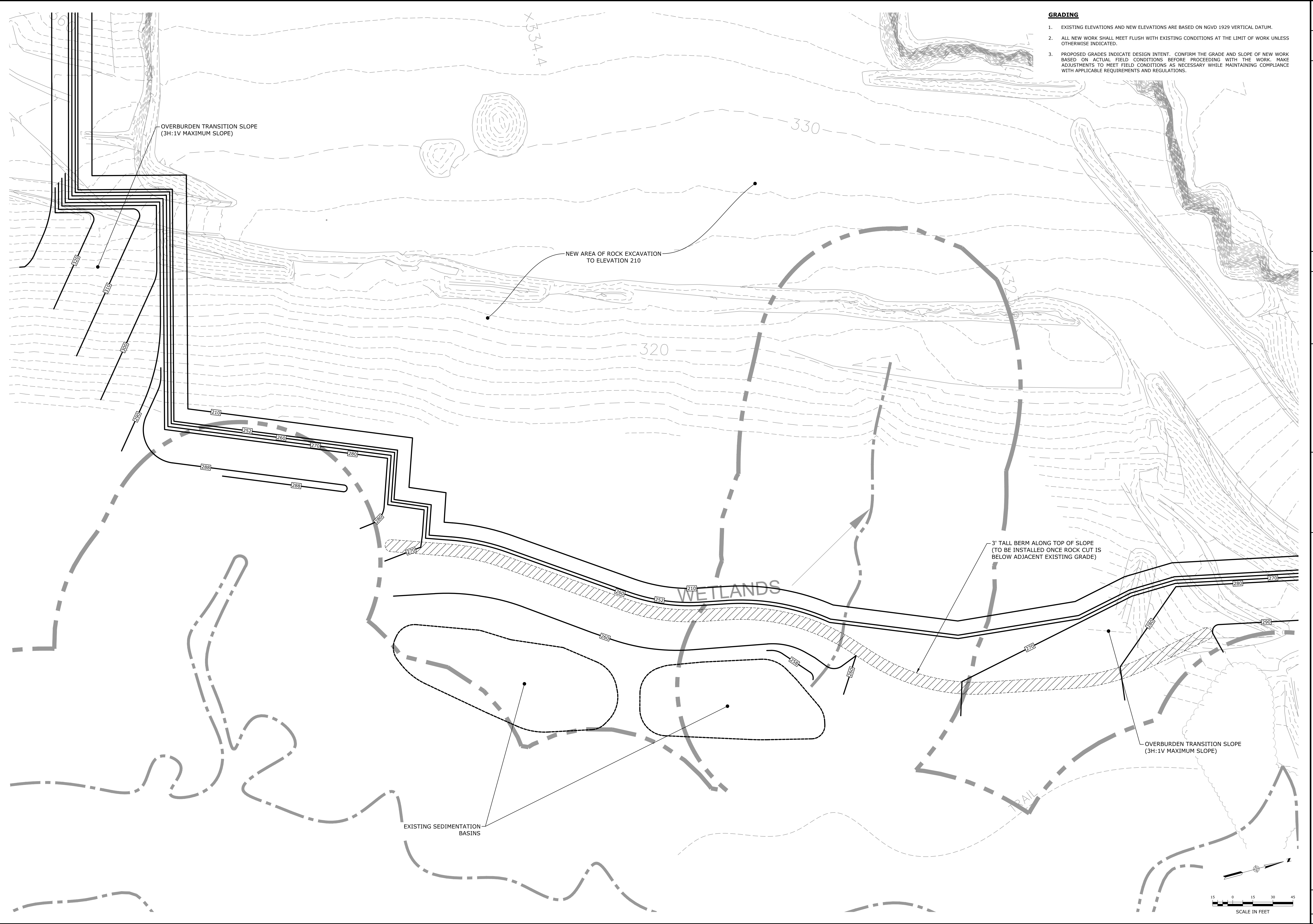
GALASSO MATERIALS, LLC
 60 SOUTH MAIN STREET, EAST GRANBY, CT

DRAWING

C-5

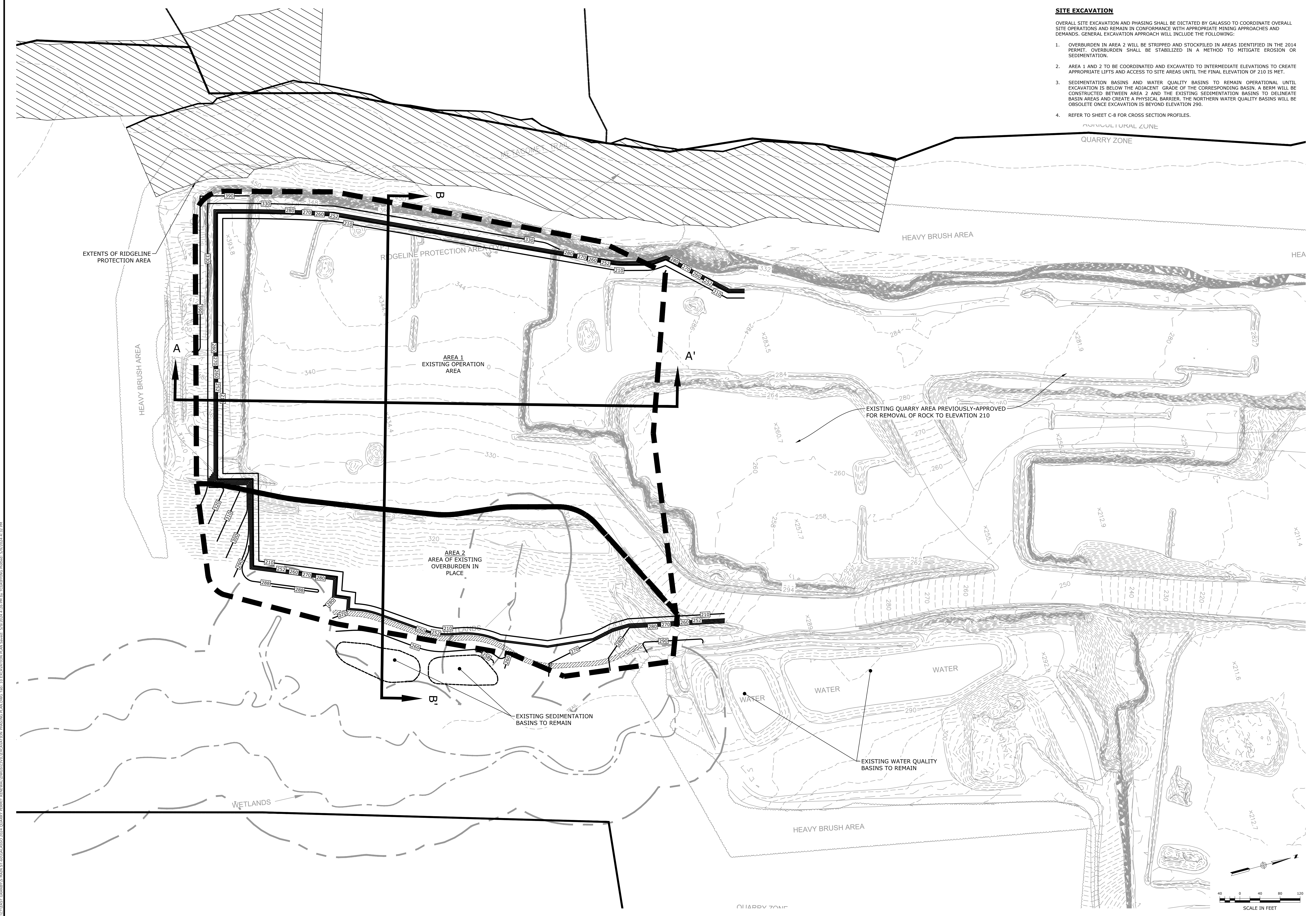
SHEET NO. 8 NO. OF SHEETS 11

V:\ACT\LAST GRANBY'S MAIN ST. 60 GALASSO QUARRY PERMIT RENEWAL\DWG\CT\GRADING PLAN.DWG, 5/9/2024 4:13 PM by TCG/STEFING/PROJENL, 5/9/2024 4:13 PM



- GRADING**
- EXISTING ELEVATIONS AND NEW ELEVATIONS ARE BASED ON NGVD 1929 VERTICAL DATUM.
 - ALL NEW WORK SHALL MEET FLUSH WITH EXISTING CONDITIONS AT THE LIMIT OF WORK UNLESS OTHERWISE INDICATED.
 - PROPOSED GRADES INDICATE DESIGN INTENT. CONFIRM THE GRADE AND SLOPE OF NEW WORK BASED ON ACTUAL FIELD CONDITIONS BEFORE PROCEEDING WITH THE WORK. MAKE ADJUSTMENTS TO MEET FIELD CONDITIONS AS NECESSARY WHILE MAINTAINING COMPLIANCE WITH APPLICABLE REQUIREMENTS AND REGULATIONS.

STAMP		DATE		REV.		DESCRIPTION OF REVISION	
SCALE 1" = 30' COMP. NO. 032GM4.03		DATE 05/09/2024		DATE 05/09/2024			
DRAWN BY TCG		APPROVED BY TRW					
DETAILED GRADING PLAN GALASSO QUARRY PERMIT RENEWAL 60 SOUTH MAIN STREET, EAST GRANBY, CT GALASSO MATERIALS, LLC 60 SOUTH MAIN STREET, EAST GRANBY, CT				DRAWING C-6			
SHEET NO. 9		NO. OF SHEETS 9		DATE		APPR.	



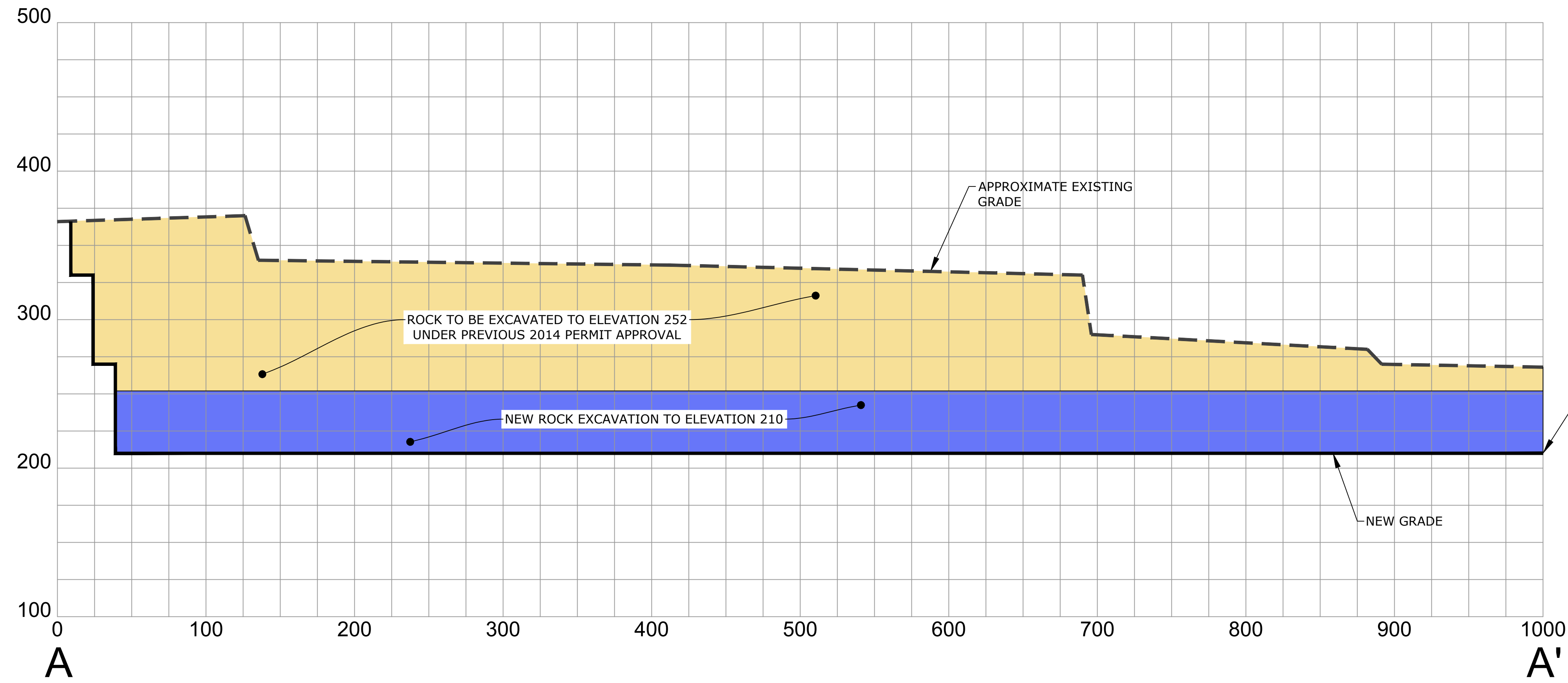
- SITE EXCAVATION**
- OVERALL SITE EXCAVATION AND PHASING SHALL BE DICTATED BY GALASSO TO COORDINATE OVERALL SITE OPERATIONS AND REMAIN IN CONFORMANCE WITH APPROPRIATE MINING APPROACHES AND DEMANDS. GENERAL EXCAVATION APPROACH WILL INCLUDE THE FOLLOWING:
- OVERBURDEN IN AREA 2 WILL BE STRIPPED AND STOCKPILED IN AREAS IDENTIFIED IN THE 2014 PERMIT. OVERBURDEN SHALL BE STABILIZED IN A METHOD TO MITIGATE EROSION OR SEDIMENTATION.
 - AREA 1 AND 2 TO BE COORDINATED AND EXCAVATED TO INTERMEDIATE ELEVATIONS TO CREATE APPROPRIATE LIFTS AND ACCESS TO SITE AREAS UNTIL THE FINAL ELEVATION OF 210 IS MET.
 - SEDIMENTATION BASINS AND WATER QUALITY BASINS TO REMAIN OPERATIONAL UNTIL EXCAVATION IS BELOW THE ADJACENT GRADE OF THE CORRESPONDING BASIN. A BERM WILL BE CONSTRUCTED BETWEEN AREA 2 AND THE EXISTING SEDIMENTATION BASINS TO DELINEATE BASIN AREAS AND CREATE A PHYSICAL BARRIER. THE NORTHERN WATER QUALITY BASINS WILL BE OBSOLETE ONCE EXCAVATION IS BEYOND ELEVATION 290.
 - REFER TO SHEET C-8 FOR CROSS SECTION PROFILES.

V:\ACT\EST GRANBY'S MAIN ST. 400 GALASSO 2024 QUARRY PERMIT RENEWAL\DWG\EXCAVATION PLAN\Sheet 5-03 2024 4 26 PM by TCG\TTC\TTC.dwg, 5/9/2024 4:32 PM

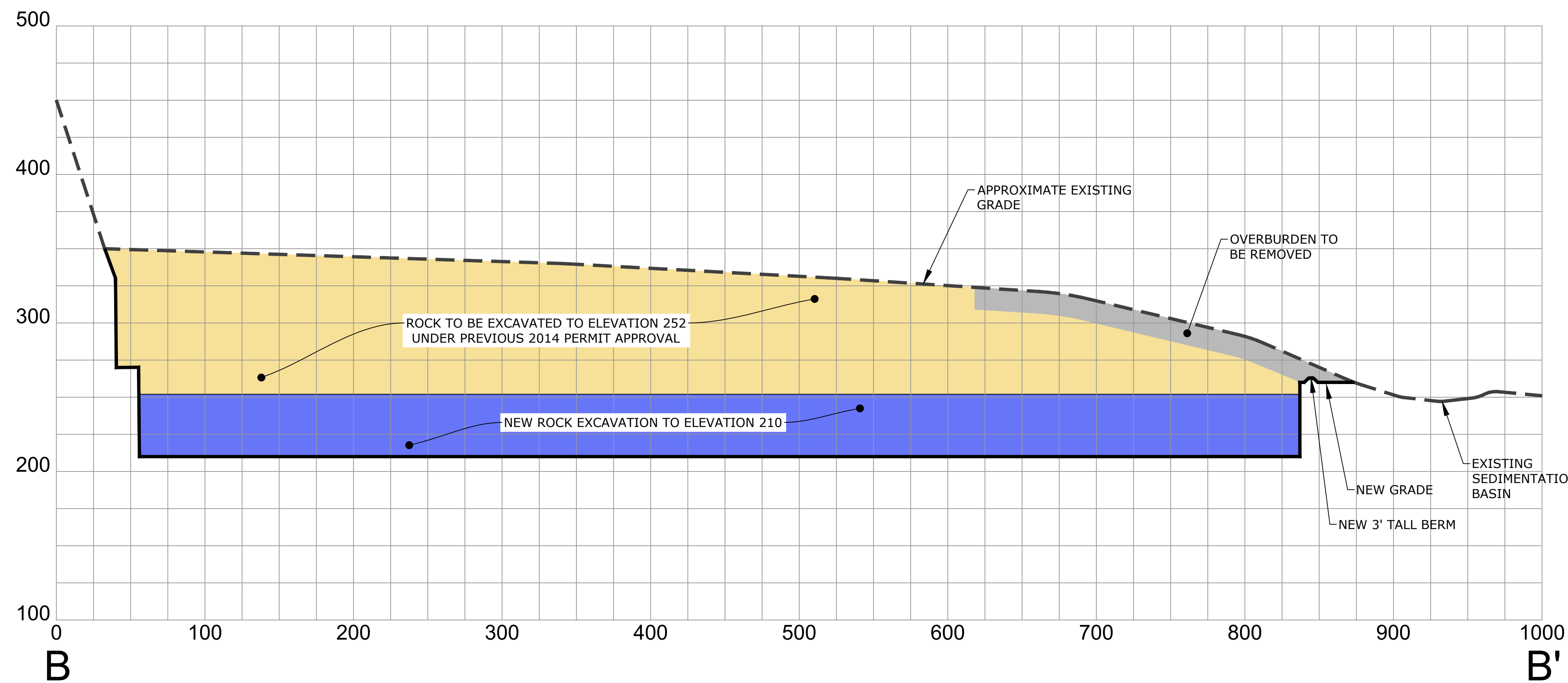
	Loureiro <small>Water & Facility Services • Laboratory Environmental • Construction • Energy</small>	SCALE 1" = 80' <small>CONV. NO. 032GM4.03</small>	DATE 05/09/2024 <small>DRAWN BY TCG</small>	DATE 05/09/2024 <small>APPROVED BY TRW</small>	DESCRIPTION OF REVISION DATE REV.
EXCAVATION PLAN GALASSO QUARRY PERMIT RENEWAL 60 SOUTH MAIN STREET, EAST GRANBY, CT GALASSO MATERIALS, LLC 60 SOUTH MAIN STREET, EAST GRANBY, CT					
DRAWING C-7					
SHEET NO. 10	NO. OF SHEETS	NO. OF SHEETS 11			

CROSS SECTION ALIGNMENT

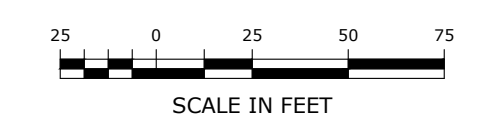
REFER TO SHEET C-7 FOR IDENTIFICATION OF ALIGNMENTS USED FOR CROSS SECTIONS.



SECTION A - A'
SCALE: 1"=50'



SECTION B - B'
SCALE: 1"=50'



STAMP		DATE	APPR.
STATE OF CONNECTICUT			
DEPARTMENT OF CONSTRUCTION			
REGISTERED PROFESSIONAL ENGINEER			
No. 10123			
Description of Revision		REV.	
Loureiro Engineering Associates, Inc. Water • Facility Services • Laboratory Estimating • Construction • EPC • Energy		DATE 05/09/2024	DATE 05/09/2024
DRAWN BY TCG		APPROVED BY TRW	
SCALE 1"=50'		COMP. NO. 032GM4.03	
EXCAVATION CROSS SECTIONS		GALASSO QUARRY PERMIT RENEWAL 60 SOUTH MAIN STREET, EAST GRANBY, CT GALASSO MATERIALS, LLC 60 SOUTH MAIN STREET, EAST GRANBY, CT	
DRAWING C-8		SHEET NO. 11	NO. OF SHEETS 11

V:\ACT\EAST GRANBY'S MAIN ST. 60 GALASSO 2024 QUARRY PERMIT RENEWAL\DWG\EXCAVATION CROSS SECTIONS.DWG: 11 EXCAVATION CROSS SECTIONS: Sheet: 5/9/2024 1:04 AM by: TCG/BEFFING: 5/9/2024 4:33 PM