

EROSION CONTROL NOTES:

- A. THE EROSION AND SEDIMENTATION CONTROL PLAN IS COMPRISED OF THIS DRAWING, THE STANDARD DETAILS, THE PLAN NARRATIVE, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- B. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORMWATER MANAGEMENT SHALL OBTAIN A COPY OF EROSION AND SEDIMENTATION CONTROL PLAN AND BECOME FAMILIAR WITH ITS CONTENTS.
- C. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED BY THE MDEP EROSION CONTROL & SEDIMENT BMP MANUAL. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- D. BMP'S AND CONTROLS SHALL CONFORM TO FEDERAL AND STATE REQUIREMENTS OR MANUAL OF PRACTICES, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY, ENGINEER OR OWNER.
- E. CONTRACTOR SHALL MINIMIZE AREA OF DISTURBED SOIL TO ACCESS AT ONE TIME TO THE GREATEST EXTENT PRACTICAL. AS AREAS BECOME STABLE, ADDITIONAL AREAS MAY BE DISTURBED. GRUBBING SHALL START UPHILL AND BE STABILIZED AS WORK CONTINUES.
- F. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE RETAINED AND PROPERLY TREATED OR DISPOSED. CLEANING, MAINTENANCE, AND REPAIR AREAS SHALL BE PROTECTED BY A TEMPORARY PERIMETER BERM. SHALL NOT OCCUR WITHIN 150 FEET OF ANY WATERWAY, WATER BODY OR WETLAND, AND IN AREAS LOCATED AS FAR AS PRACTICAL FROM STORM SEWER INLETS. USE OF DETERGENTS FOR LARGE SCALE WASHING IS PROHIBITED. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE TO CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- H. FUGITIVE DUST EMISSIONS ARE PROHIBITED BY MDEP. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER OIL-BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- I. RUBBISH, TRASH, GARBAGE, LITTER OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- J. ALL STORMWATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN AND IN THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.
- K. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED SHALL BE SEEDED NO LATER THAN 24 HOURS FROM THE LAST DAY OF CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS OR PRIOR TO ANY STORM EVENT. APPLICATION RATES AND MATERIALS USED SHALL BE THE SAME AS FOR PERMANENT SEEDING EXCEPT SEED MIXTURE SHALL BE ANNUAL RYEGRASS. MULCHING WILL BE 2 BALES PER 1000 SF TO COVER 75%-90% OF GROUND SURFACE. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE SEEDED WITH PERMANENT OR DORMANT SEEDING ACCORDING TO MAINE BMP'S. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO DETAILS FOR SEEDING NOTES.
- M. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCE IS NOT SUFFICIENT FOR REMOVAL OF DIRT OR MUD, THEN THE AREA MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. USE ONLY INGRESS/EGRESS LOCATION PROVIDED.
- N. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- O. CONTRACTOR OR SUBCONTRACTOR WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE STORMWATER STRUCTURES AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEM IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- P. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP BY THE CONTRACTOR.
- Q. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- R. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, BARK MULCH BERMS, SEDIMENT BASINS, HAY BALES, STONE CHECK DAMS, ETC.) TO PREVENT EROSION.
- S. ALL CONSTRUCTION AREAS SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION. CONTRACTOR SHALL PUMP STANDING WATER TO SEEDER AREAS TO HELP IRRIGATE NEW GRASS GROWTH AND TO MAXIMIZE VOLUME CAPACITY OF SEDIMENT BASINS PRIOR TO STORM EVENTS.
- U. EROSION CONTROL MEASURES MUST BE ADJUSTED AS NECESSARY TO ENSURE ZERO DISCHARGE OF TURBID WATER.
- V. ADD TEMPORARY DITCH STABILIZATION AS NECESSARY TO PREVENT EROSION.
- W. EROSION CONTROL MESH IS REQUIRED ON ALL CONSTRUCTED SLOPES STEEPER THAN 3 TO 1.
- X. CONSTRUCTION AREAS, TRAILERS, PORTA-POTTIES, AND LAYDOWN AREAS MUST BE FENCED OFF WITH TEMPORARY CONSTRUCTION FENCING TO KEEP PEOPLE FROM ENTERING THE WORK ZONE.
- Y. ALL GROUND COVER WITHIN THE PANEL ARRAY MUST BE RETURNED TO A MEADOW BUFFER. ANY AREAS NOT MEETING THE STANDARD OF A MEADOW BUFFER MUST BE REPAIRED AND RESEEDED.

WINTER CONSTRUCTION NOTES

FOR WORK PROPOSED DURING THE WINTER SEASON (TYPICALLY NOVEMBER 1 - APRIL 15), THE CONTRACTOR SHALL ADHERE TO THE FOLLOWING PRACTICES:

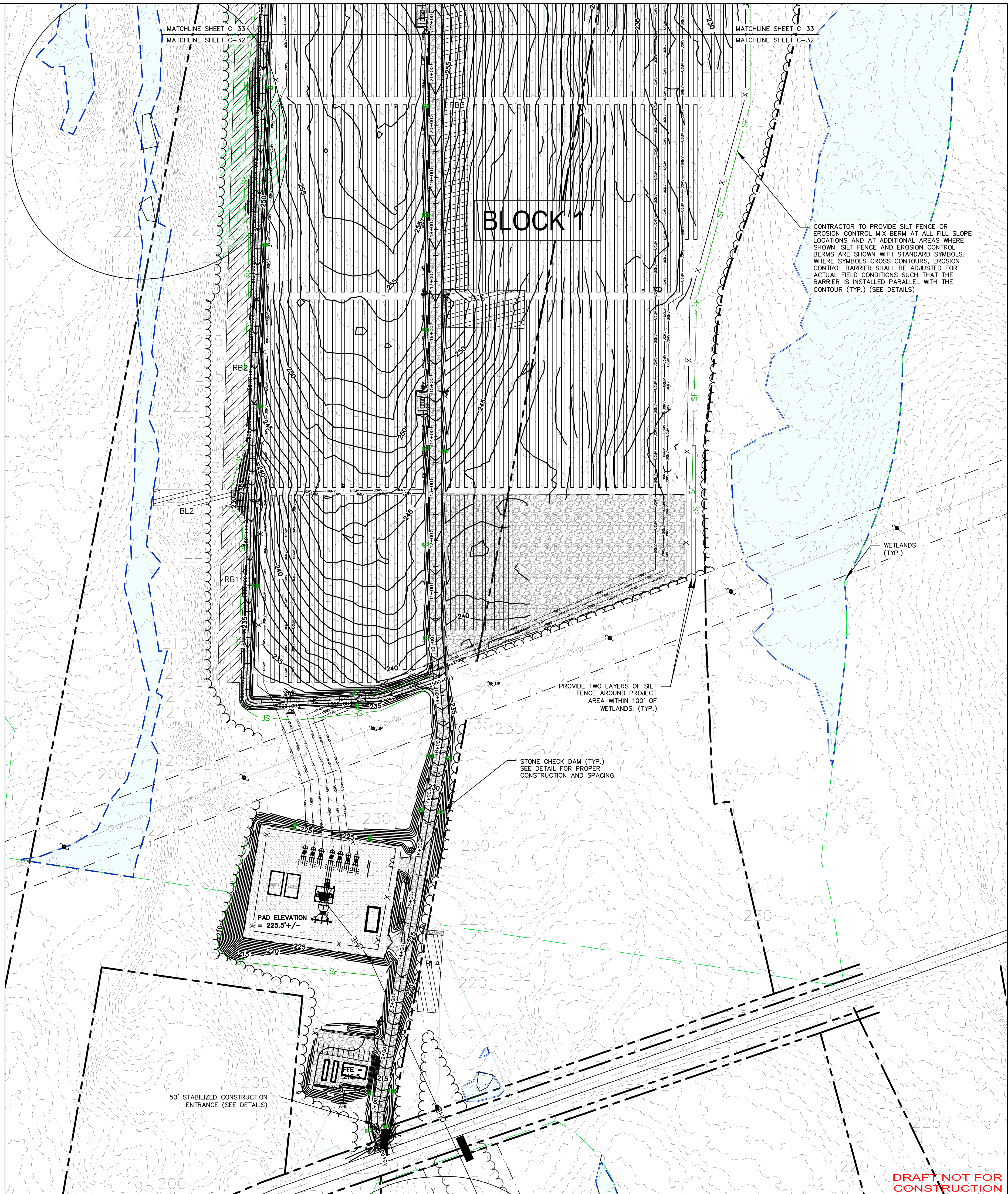
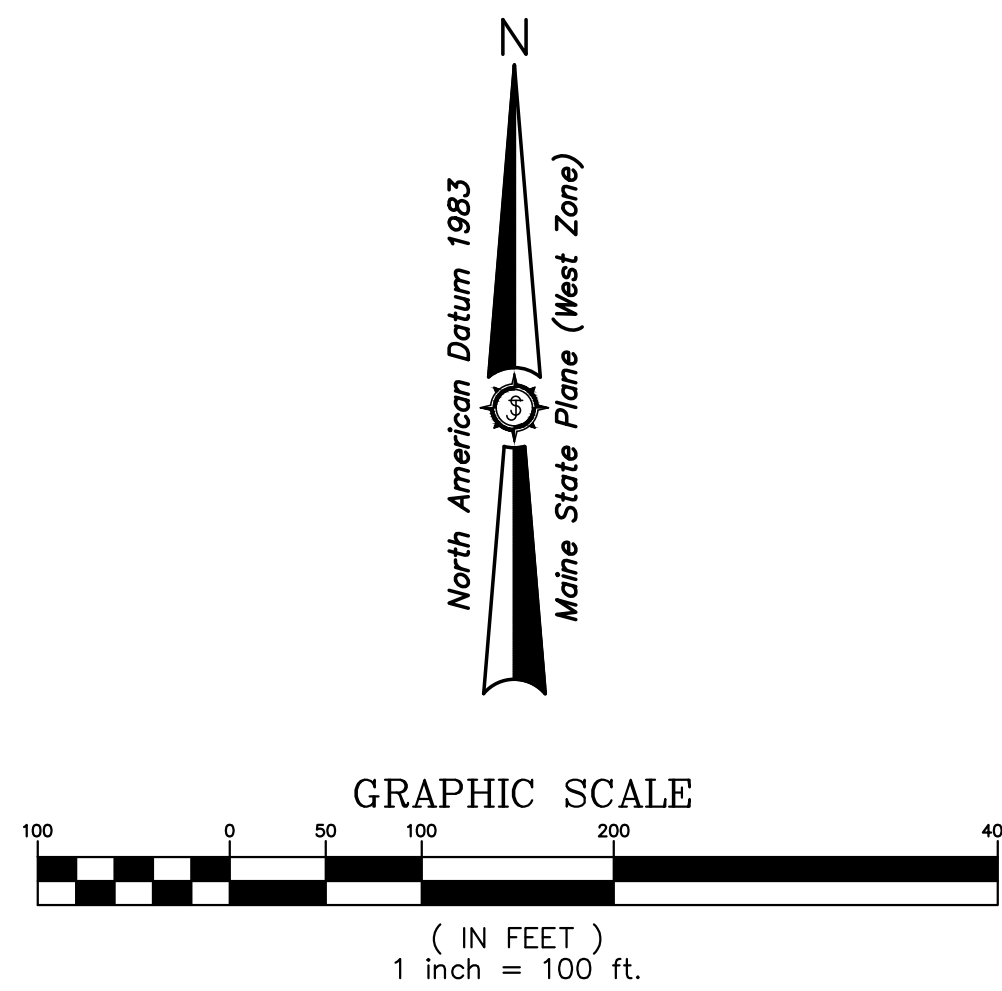
1. A PLAN AND SCHEDULE OF ACTIVITIES SHALL BE SUBMITTED TO THE PERMITTEE FOR APPROVAL PRIOR TO ANY WORK BEING DONE.
2. LIMIT THE TOTAL AREA OF EXPOSED SOIL TO THAT IN WHICH EARTH WORK CAN BE COMPLETED WITHIN 15 DAYS AND MULCHED WITHIN ONE DAY PRIOR TO A SNOW EVENT.
3. EXPOSED SOIL MAY BE LEFT BARE FOR NO MORE THAN 15 DAYS.
4. MULCH ALL EXPOSED SOIL WHERE NO ACTIVITY IS SCHEDULED WITHIN 7 DAYS AND PRIOR TO A FORECASTED SNOW EVENT OF MORE THAN 1 INCH.
5. WHERE PRACTICABLE, MULCH SHOULD BE APPLIED AT THE END OF EACH DAY'S WORK FOR AREAS THAT ARE FINAL GRADED. OTHERWISE, MULCH THE FOLLOWING DAY.
6. DO NOT APPLY MULCH OVER MORE THAN 1 INCH OF SNOW.
7. HAY OR STRAW MULCH SHALL BE APPLIED AT 140 LBS/1000 S.F. (APPROX. 4 BALES) AND SO THAT THE GROUND SURFACE IS NOT VISIBLE THROUGH THE MULCH.
8. ECM IS THE PREFERRED MULCHING MATERIAL AND SHALL BE APPLIED AT A MINIMUM 4 INCH THICKNESS, WITH HIGHER AMOUNTS AS DESCRIBED HEREIN.
9. ECM IS THE PREFERRED EROSION CONTROL BARRIER. IF ECM IS NOT AVAILABLE, INSTALLATION OF SILT FENCE ON FROZEN GROUND MAY BE MODIFIED FROM ILLUSTRATIONS AND DETAIL DRAWINGS TO SUBSTITUTE SIX INCHES OF SUITABLE NON-ORGANIC MATERIAL OVER THE BOTTOM OF THE SILT FENCE IN LIEU OF TRENCHING AND BACKFILLING FABRIC.
10. A DOUBLE ROW OF EROSION CONTROL BARRIER WILL BE USED WHERE REQUIRED WITHIN 100 FEET OF WETLANDS AND WATER BODIES.
11. INSPECTION OF EROSION CONTROL MEASURES AND ANY NEEDED REPAIR/REPLACEMENT OF WHICH SHALL OCCUR EACH DAY.
12. ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS/ACRE OF MULCH, SECURED WITH ANCHOR NETTING, ELSEWHERE, THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
13. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
14. AFTER NOVEMBER 15, INCOMPLETE ROADS AND EQUIPMENT PAD AREAS, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL.
15. PERMANENT SEEDING IS NOT REQUIRED DURING THE WINTER SEASON; HOWEVER, IF DONE, THE CONTRACTOR SHALL FOLLOW PROCEDURES FOR DORMANT SEEDING. THE PERMANENT SEED MIX SHALL BE APPLIED AT THREE TIMES THE STANDARD RATE AND MULCHED. RE-VEGETATION SUCCESS MUST BE INSPECTED BY THE CONTRACTOR IN THE FOLLOWING SPRING (AFTER APRIL 15) AND RE-SEEDING AS NECESSARY IF VEGETATIVE COVER IS LESS THAN 75 PERCENT. ACCEPTANCE OF DORMANT SEEDING AS SUCCESSFUL WILL NOT OCCUR UNTIL AFTER JUNE 1 OF THE FOLLOWING SPRING.

SEEDING NOTES:

- TEMPORARY SEEDING NOTES**
1. ANY DISTURBED AREAS TO BE LEFT IN ROUGH GRADED FORM FOR MORE THAN 30 DAYS (7 DAYS FOR SENSITIVE AND CRITICAL AREAS) BUT LESS THAN ONE GROWING SEASON SHALL BE LIMED, FERTILIZED, TEMPORARILY SEEDED AND MULCHED OR OTHERWISE STABILIZED.
 2. EXPOSED OR BARE SOIL IN SENSITIVE AND CRITICAL AREAS ARE TO BE MULCHED AT THE COMPLETION OF WORK, EACH DAY, IF SIGNIFICANT RAINFALL IS PREDICTED.
 3. APPLICATION RATES AND MATERIALS USED SHALL BE THE SAME AS FOR PERMANENT SEEDING EXCEPT SEED MIXTURE SHALL BE ANNUAL RYEGRASS.
- PERMANENT SEEDING NOTES**
1. DURING PERIODS FROM APRIL 15 TO SEPTEMBER 15, AREAS DISTURBED SHALL BE PERMANENTLY SEEDED WITH A LOW GROWING SEED MIX AT A RATE OF 1.0 LB/1,000 SF.

MAINTENANCE:

1. ALL MEASURES STATED ON THIS EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MAINTAINED IN FULL FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETE PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
 - a. ALL SEEDER AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND OF GRASS IS MAINTAINED. ERODED AREAS SHOULD BE FILLED, RESEEDED, AND WATERED AS NEEDED.
 - b. SILT FENCES AND EROSION CONTROL BERMS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITION IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCE WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
 - c. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
 - d. A MAINTENANCE LOG WILL BE UPDATED FOLLOWING EACH INSPECTION AND KEPT ON FILE. THIS SHALL INCLUDE DATE, INSPECTOR NAME, PROBLEMS FOUND AND ACTION TAKEN.



CONTRACTOR TO PROVIDE SILT FENCE OR EROSION CONTROL MIX BERM AT ALL FILL SLOPE LOCATIONS AND AT ADDITIONAL AREAS WHERE SHOWN. SILT FENCE AND EROSION CONTROL BERMS ARE SHOWN WITH STANDARD SYMBOLS. WHERE SYMBOLS CROSS CONTOURS, EROSION CONTROL BARRIER SHALL BE ADJUSTED FOR ACTUAL FIELD CONDITIONS SUCH THAT THE BARRIER IS INSTALLED PARALLEL WITH THE CONTOUR (TYP.) (SEE DETAILS)

PROVIDE TWO LAYERS OF SILT FENCE AROUND PROJECT AREA WITHIN 100' OF WETLANDS. (TYP.)

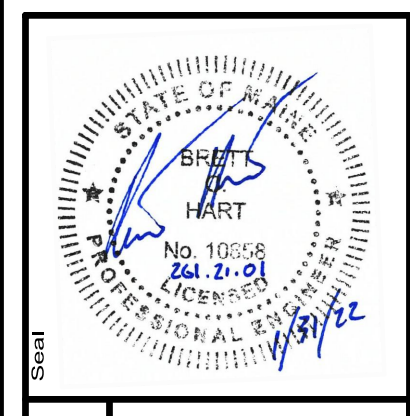
STONE CHECK DAM (TYP.) SEE DETAIL FOR PROPER CONSTRUCTION AND SPACING.

50' STABILIZED CONSTRUCTION ENTRANCE (SEE DETAILS)

Drawn By	AVD/MS
Checked By	BCH
Date	01/13/2022
Scale	

THREE CORNERS SOLAR, LLC
 30 DANFORTH ST SUITE 210
 PORTLAND, ME 04101
 ROUTE 139 UNITY TWP., ME

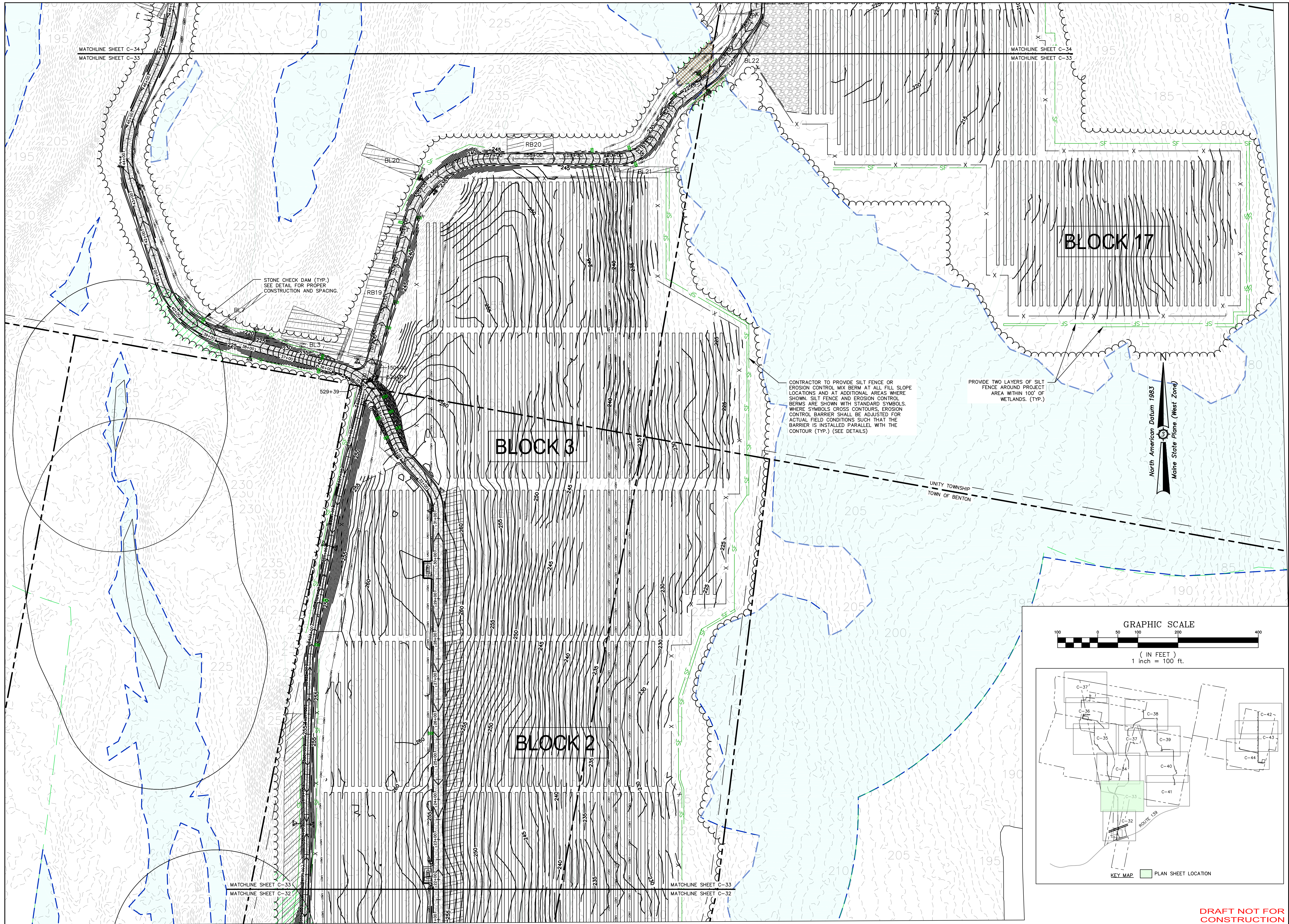
Drawn By: AVD/MS
 Checked By: BCH
 Date: 01/13/2022
 Scale:
 Project No: 261.21.01
 Project Name: THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN



261.21.01
 ENGINEERING SURVEYING
Sewal
 The evolution of expertise
 www.sewal.com
 1 800 648 4202

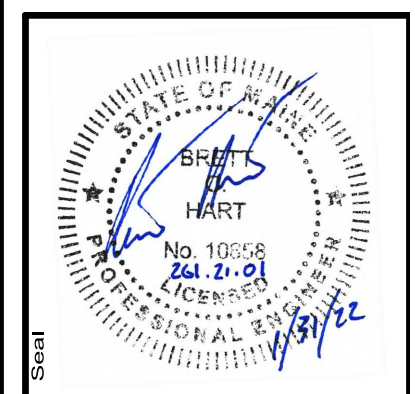
Permit
 Sheet No. C-32

DRAFT NOT FOR CONSTRUCTION



Drawn By	AVD/MS
Checked By	JAO
Date	

Developed By	BCH
Scale	AS SHOWN
Project Location	PORTLAND, ME 04101
Project Name	THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN
Approved	BCH
Checked	JAO



Project No. 261.21.01

ENGINEERING SURVEYING

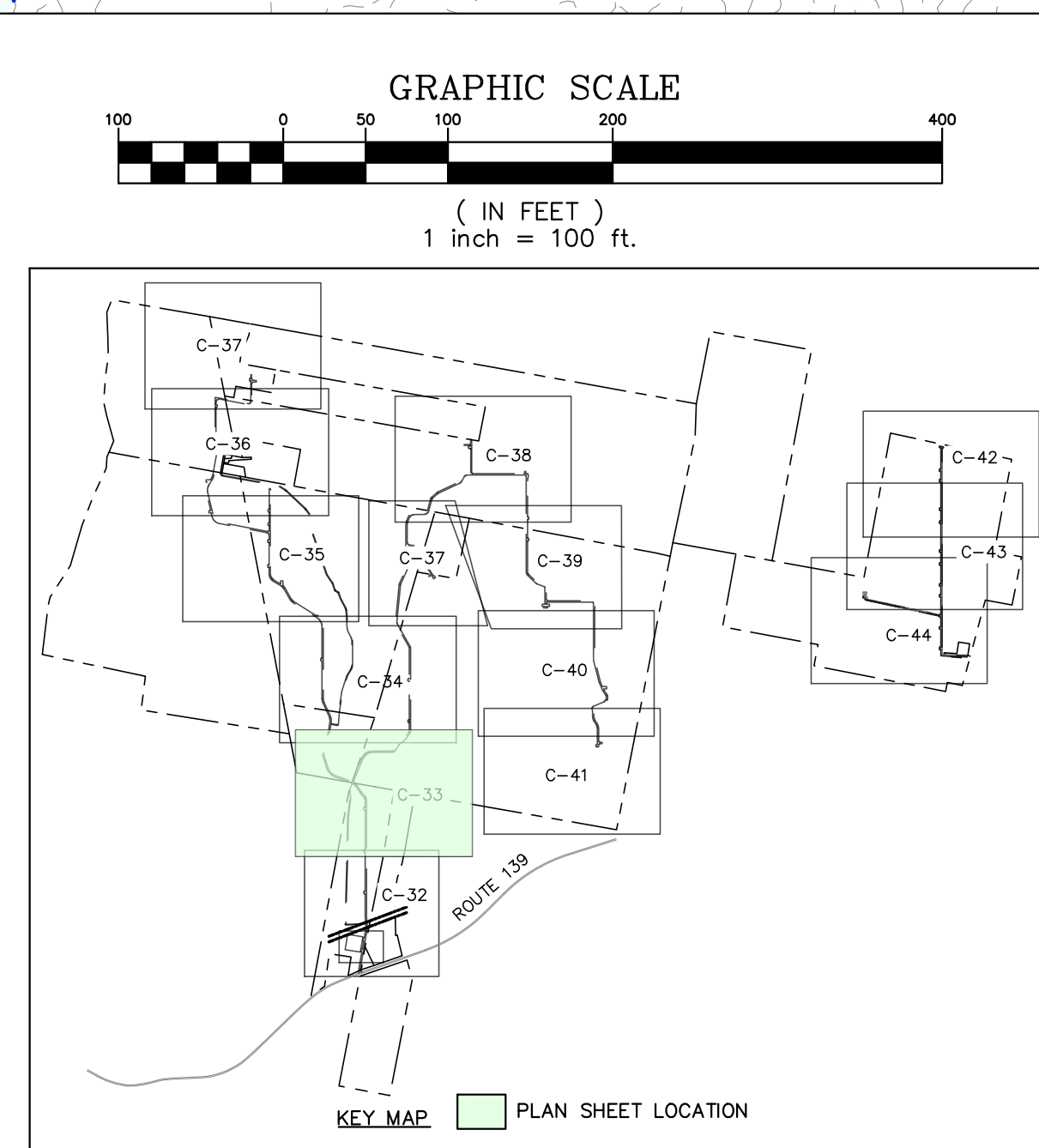
Sewal

The evolution of expertise

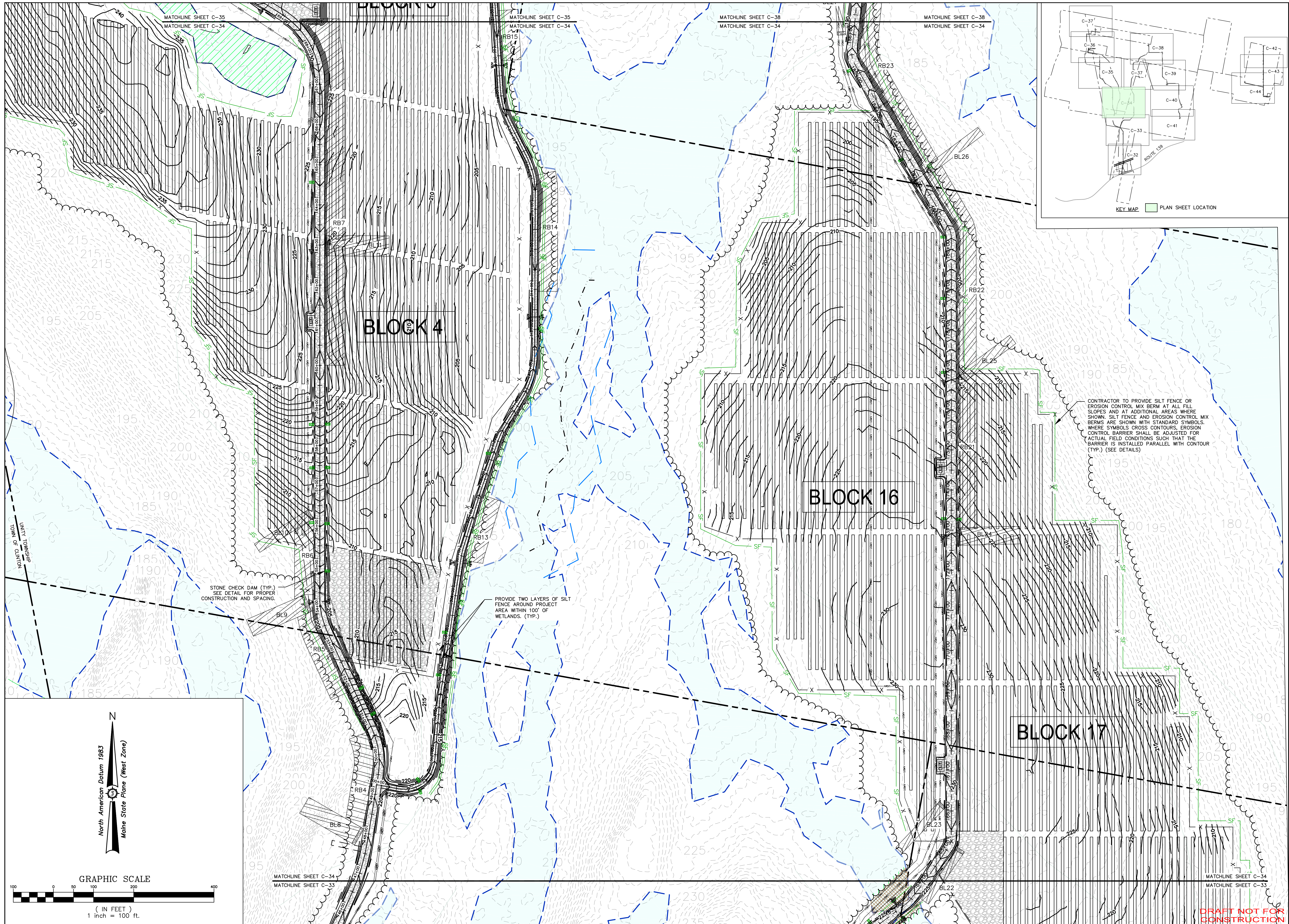
www.sewal.com

1 800 648 4202

Phase	PERMIT
Sheet No.	C-33



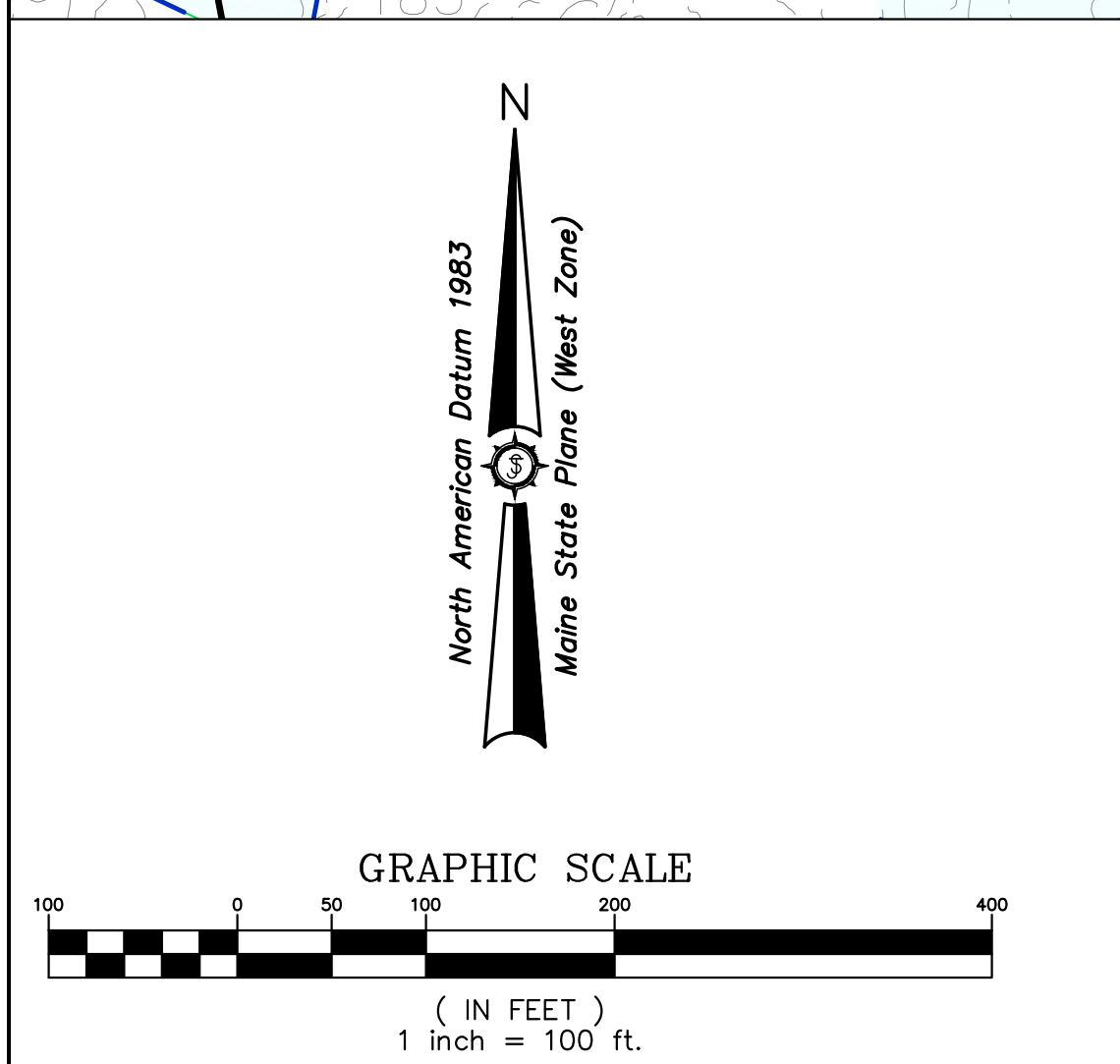
DRAFT NOT FOR CONSTRUCTION



CONTRACTOR TO PROVIDE SILT FENCE OR EROSION CONTROL MIX BERM AT ALL FILL SLOPES AND AT ADDITIONAL AREAS WHERE SHOWN. SILT FENCE AND EROSION CONTROL MIX BERMS ARE SHOWN WITH STANDARD SYMBOLS. WHERE SYMBOLS CROSS CONTOURS, EROSION CONTROL BARRIERS SHALL BE ADJUSTED FOR ACTUAL FIELD CONDITIONS SUCH THAT THE BARRIER IS INSTALLED PARALLEL WITH CONTOUR (TYP.) (SEE DETAILS)

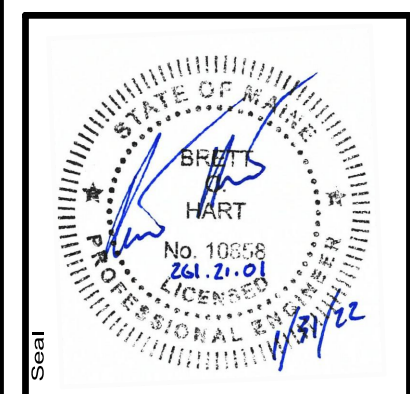
STONE CHECK DAM (TYP.) SEE DETAIL FOR PROPER CONSTRUCTION AND SPACING.

PROVIDE TWO LAYERS OF SILT FENCE AROUND PROJECT AREA WITHIN 100' OF WETLANDS. (TYP.)



Drawn By	AVD/MS
Check By	BCH
Date	01/13/2022
Scale	
Approved	BCH
Checked	JAO

Client	THREE CORNERS SOLAR, LLC
Address	30 DANFORTH ST SUITE 210 PORTLAND, ME 04101
Project Location	ROUTE 139 UNITY TWP, ME
Project Description	THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN



261.21.01

ENGINEERING SURVEYING

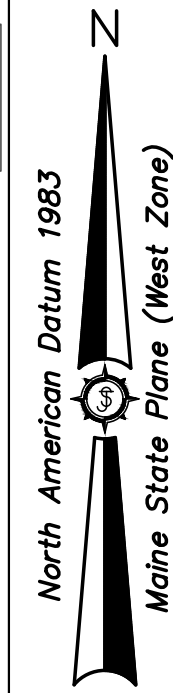
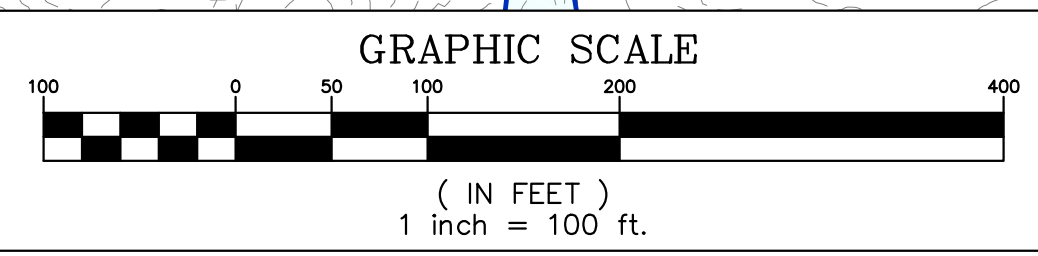
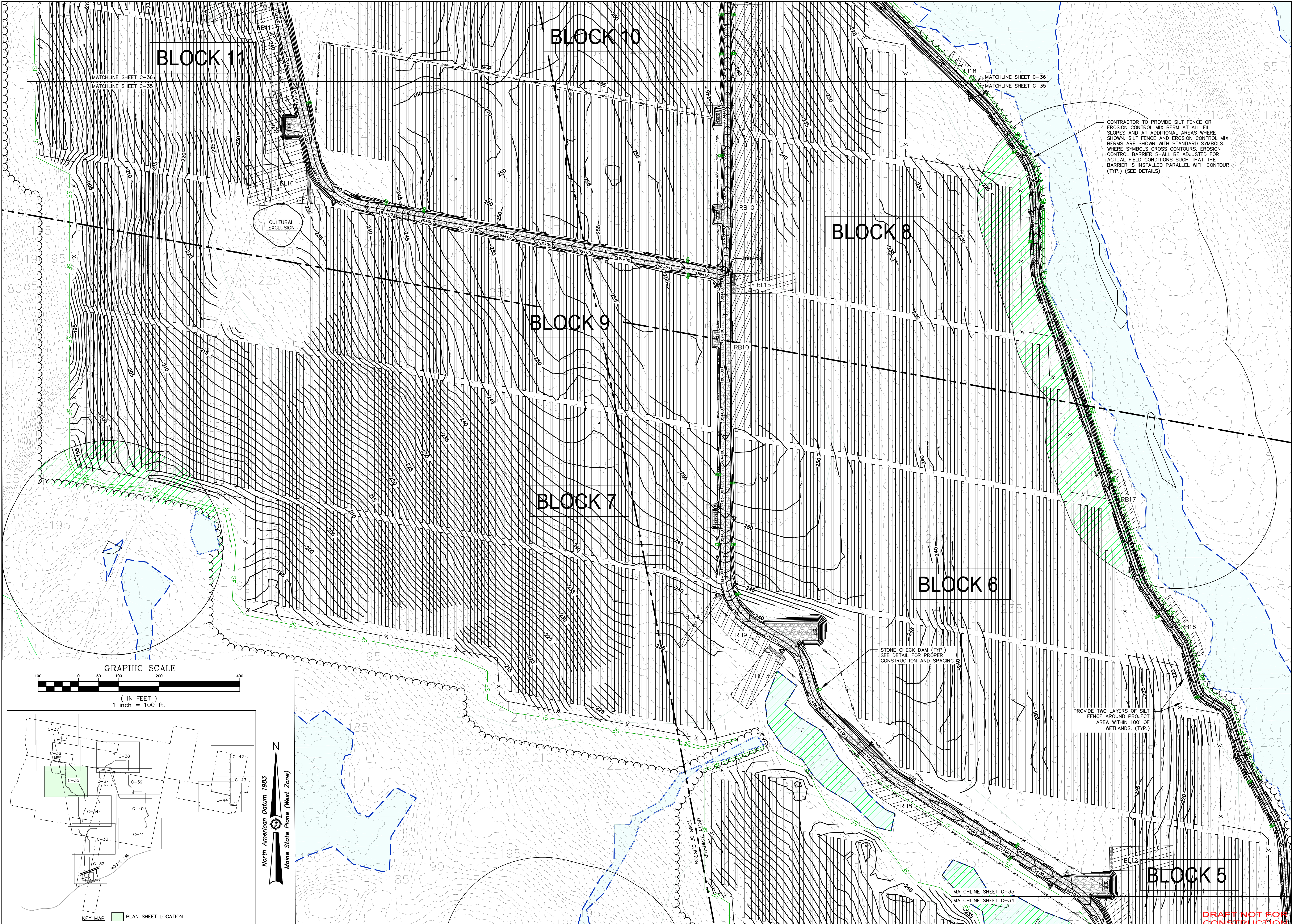
Sewal

The evolution of expertise

www.sewal.com 1 800 648 4202

Phase	PERMIT
Sheet No.	C-34

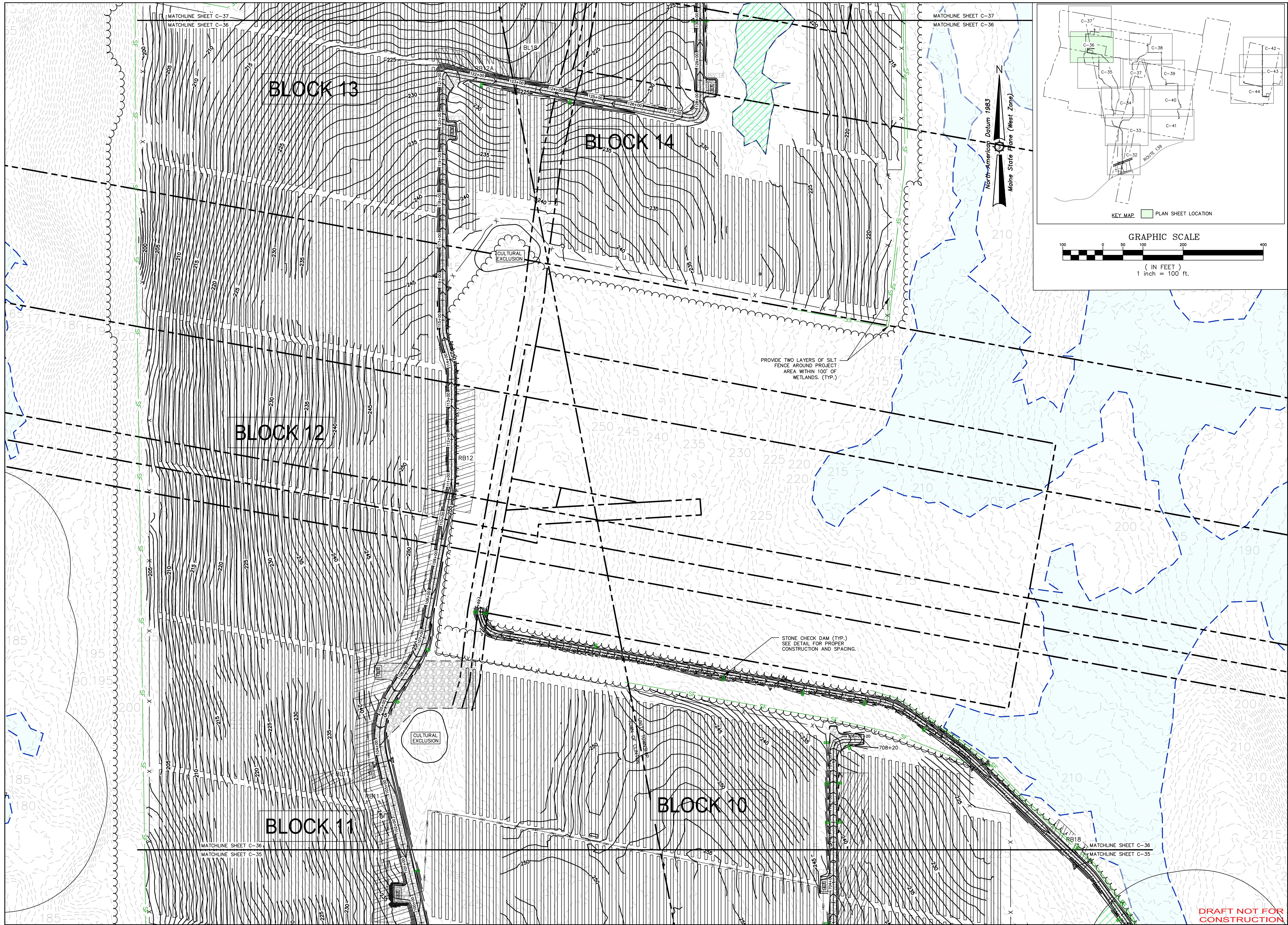
DRAFT NOT FOR CONSTRUCTION



261.21.01 PROJECT NO.		PERMIT PHASE NO.	
ENGINEERING SURVEYING www.sewal.com		SEWAL The evolution of expertise 1 800 648 4202	
THREE CORNERS SOLAR, LLC 30 DANFORTH ST SUITE 210 PORTLAND, ME 04101 PROJECT LOCATION ROUTE 139 UNITY TWP, ME DRAWING DESCRIPTION THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN		DEVELOPED BY BCH DATE 01/31/2022 SCALE	DRAWN BY AVD/MS APPROVED BCH JAO

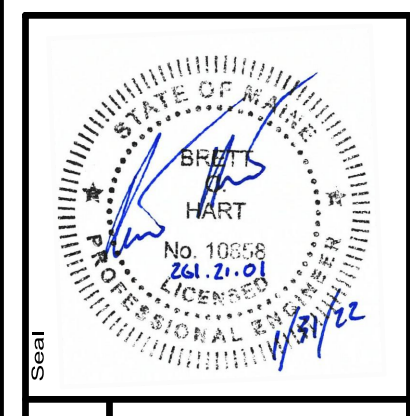
DRAFT NOT FOR CONSTRUCTION

C-35



Drawn By	AVD/MS
Checked By	JAO

Drawn By	AVD/MS
Checked By	JAO
Project Location	PORTLAND, ME 04101
Project Name	THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN
Scale	1" = 100'
Project No.	261.21.01
Sheet No.	C-36



261.21.01

ENGINEERING SURVEYING

Sewal
The evolution of expertise

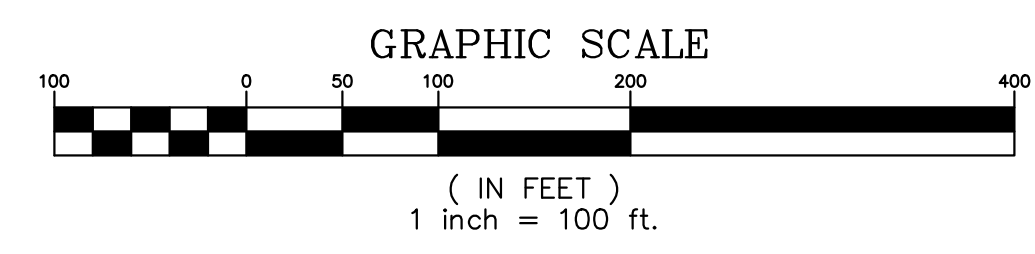
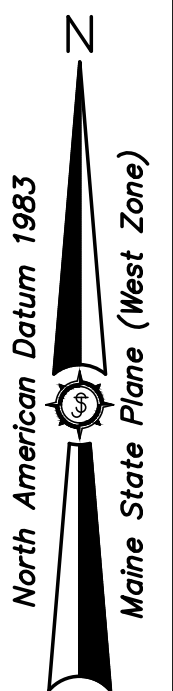
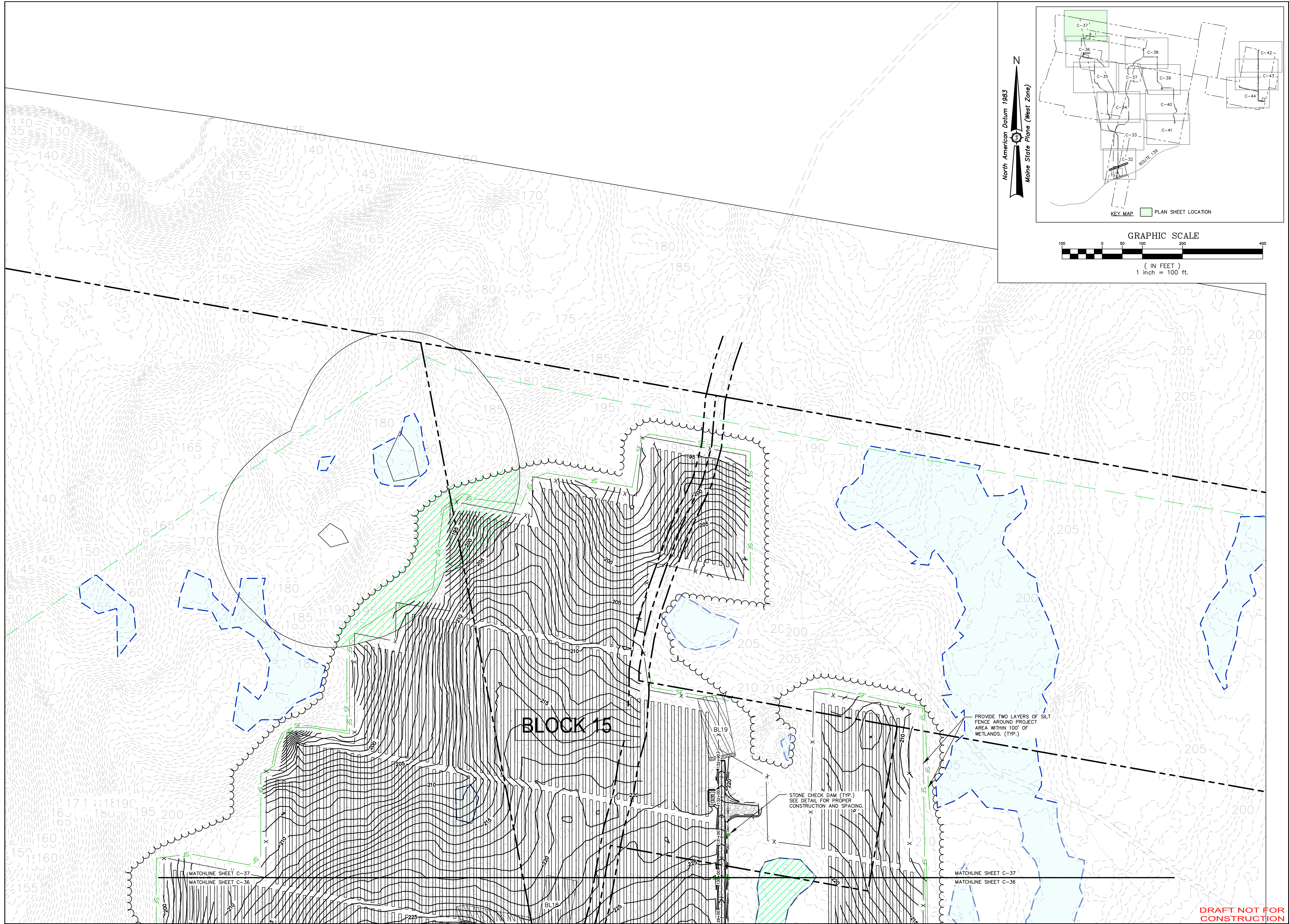
www.sewal.com

1 800 648 4202

Phase: **PERMIT**

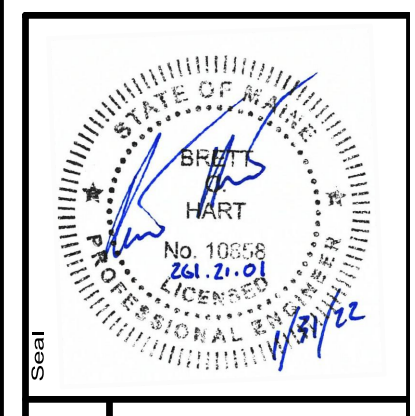
Sheet No.: **C-36**

DRAFT NOT FOR CONSTRUCTION



Date	Drawn By	Description

Drawn By AVD/MS	Checked By JAO
Developed By BCH	Approved BCH
Date 01/19/2022	Scale
Project Location PORTLAND, ME 04101	
Client THREE CORNERS SOLAR, LLC	
Drawing Description THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN	
Project Name ROUTE 139 UNITY TWP, ME	



Project No. **261.21.01**

Phase **PERMIT**

Engineer **ENGINEERING**

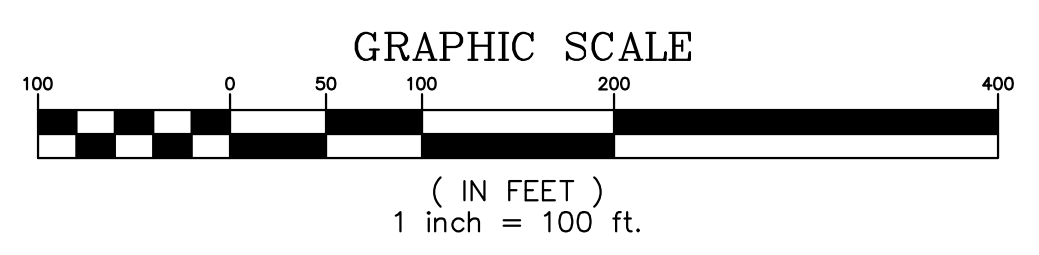
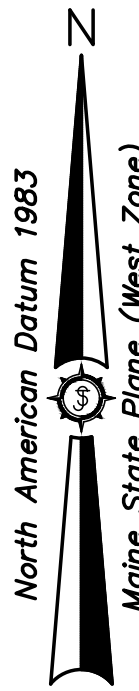
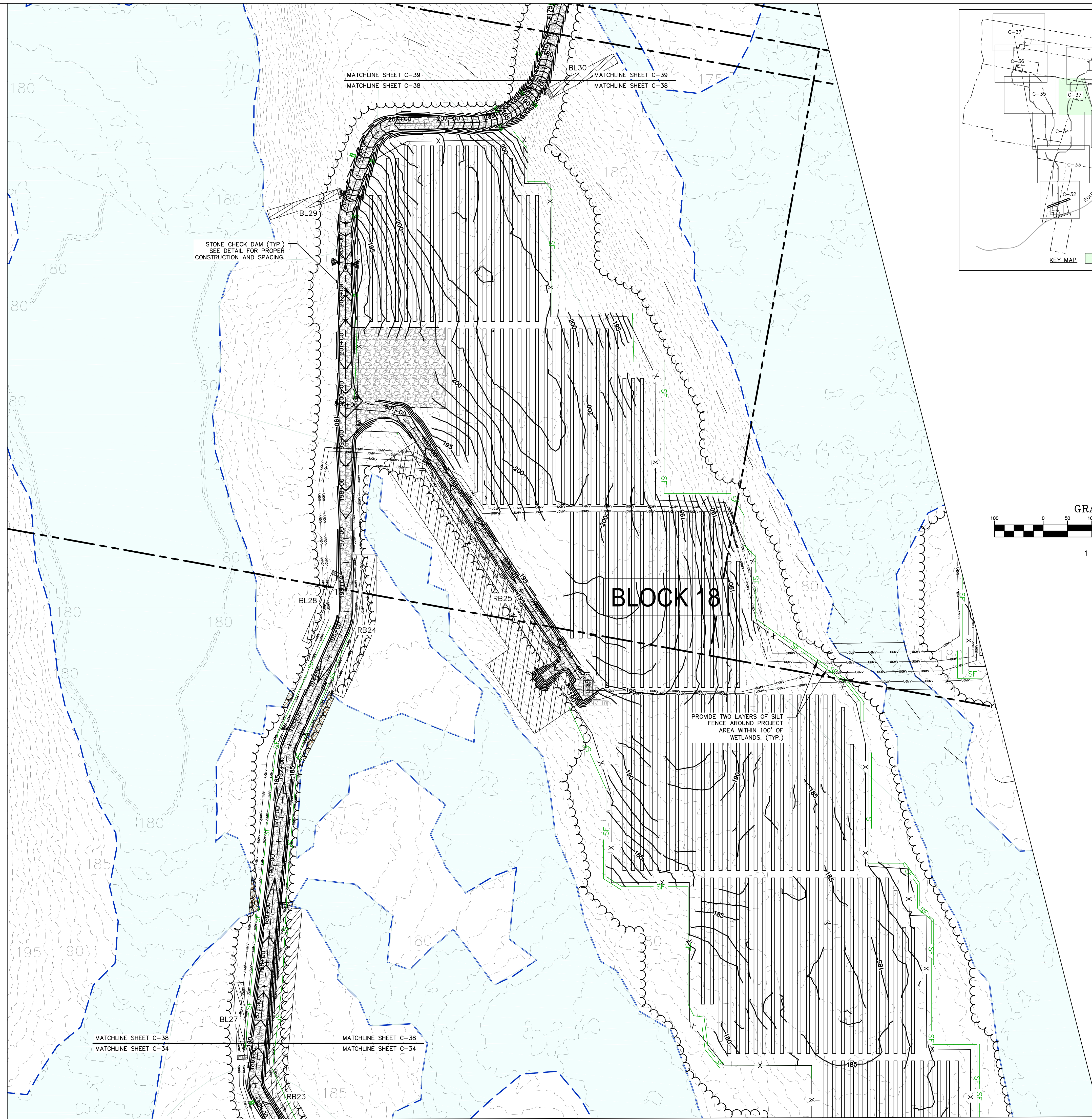
Sewal SURVEYING

The evolution of expertise

www.sewal.com 1 800 648 4202

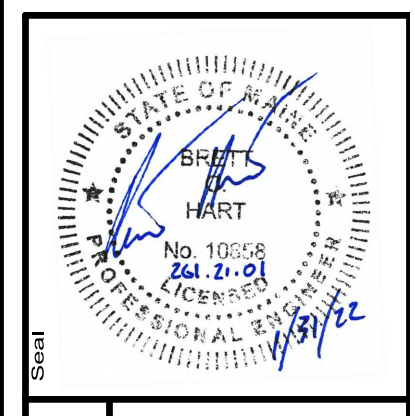
Sheet No.	C-37
-----------	-------------

DRAFT NOT FOR CONSTRUCTION



Date	Drawn By	Description

Drawn By AVD/MS	Checked By JAO
Scale 01/31/2022	Approved BCH
Project Location PORTLAND, ME 04101	Project Name THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN
Client THREE CORNERS SOLAR, LLC	Project Address 30 DANFORTH ST SUITE 210 ROUTE 139 UNITY TWP., ME



261.21.01

ENGINEERING SURVEYING

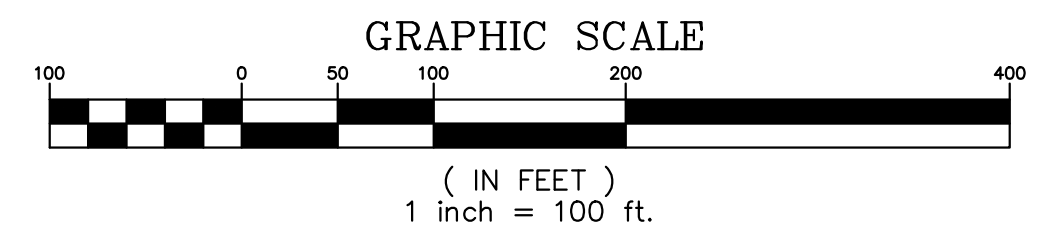
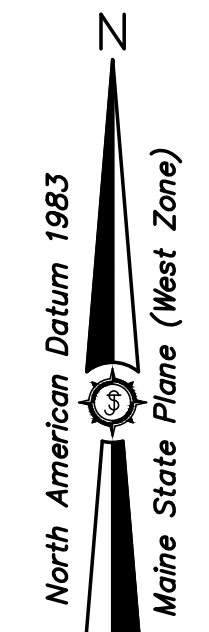
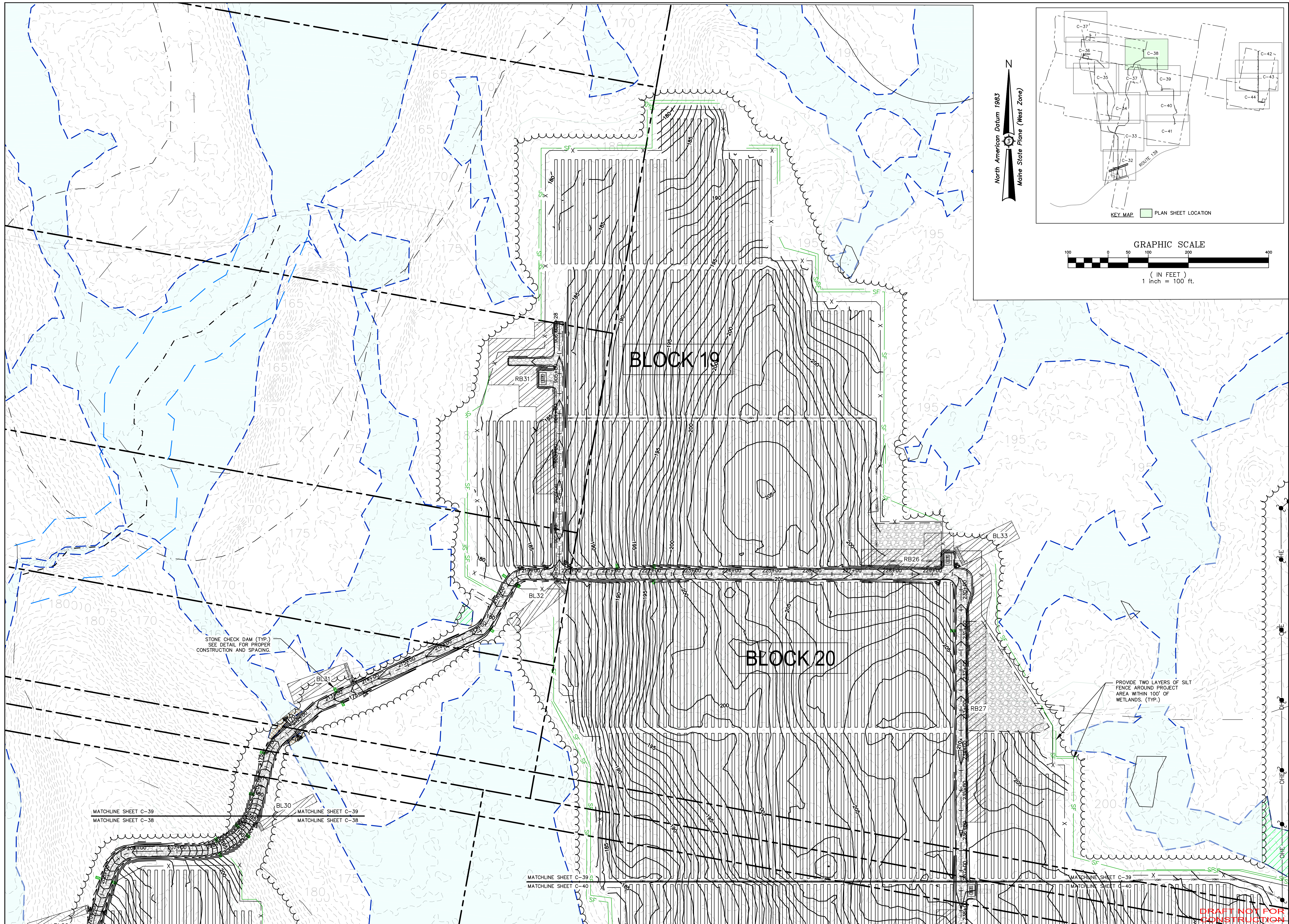
Sewall
The evolution of expertise

www.sewall.com 1 800 648 4202

Phase
PERMIT

Sheet No.
C-38

DRAFT NOT FOR CONSTRUCTION



STONE CHECK DAM (TYP.)
SEE DETAIL FOR PROPER
CONSTRUCTION AND SPACING.

PROVIDE TWO LAYERS OF SILT
FENCE AROUND PROJECT
AREA WITHIN 100' OF
WETLANDS. (TYP.)

MATCHLINE SHEET C-39
MATCHLINE SHEET C-38

MATCHLINE SHEET C-39
MATCHLINE SHEET C-38

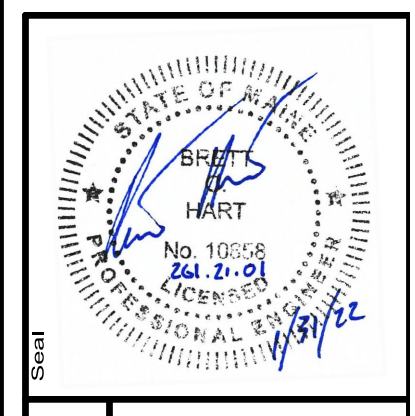
MATCHLINE SHEET C-39
MATCHLINE SHEET C-40

MATCHLINE SHEET C-39
MATCHLINE SHEET C-40

DRAFT NOT FOR
CONSTRUCTION

Drawn By	AVD/MS
Checked By	JAO

Drawn By	AVD/MS
Checked By	JAO
Project Location	PORTLAND, ME 04101
Project Name	THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN
Scale	1" = 100'
Date	01/31/2022
Project No.	261.21.01
Sheet No.	C-39



261.21.01

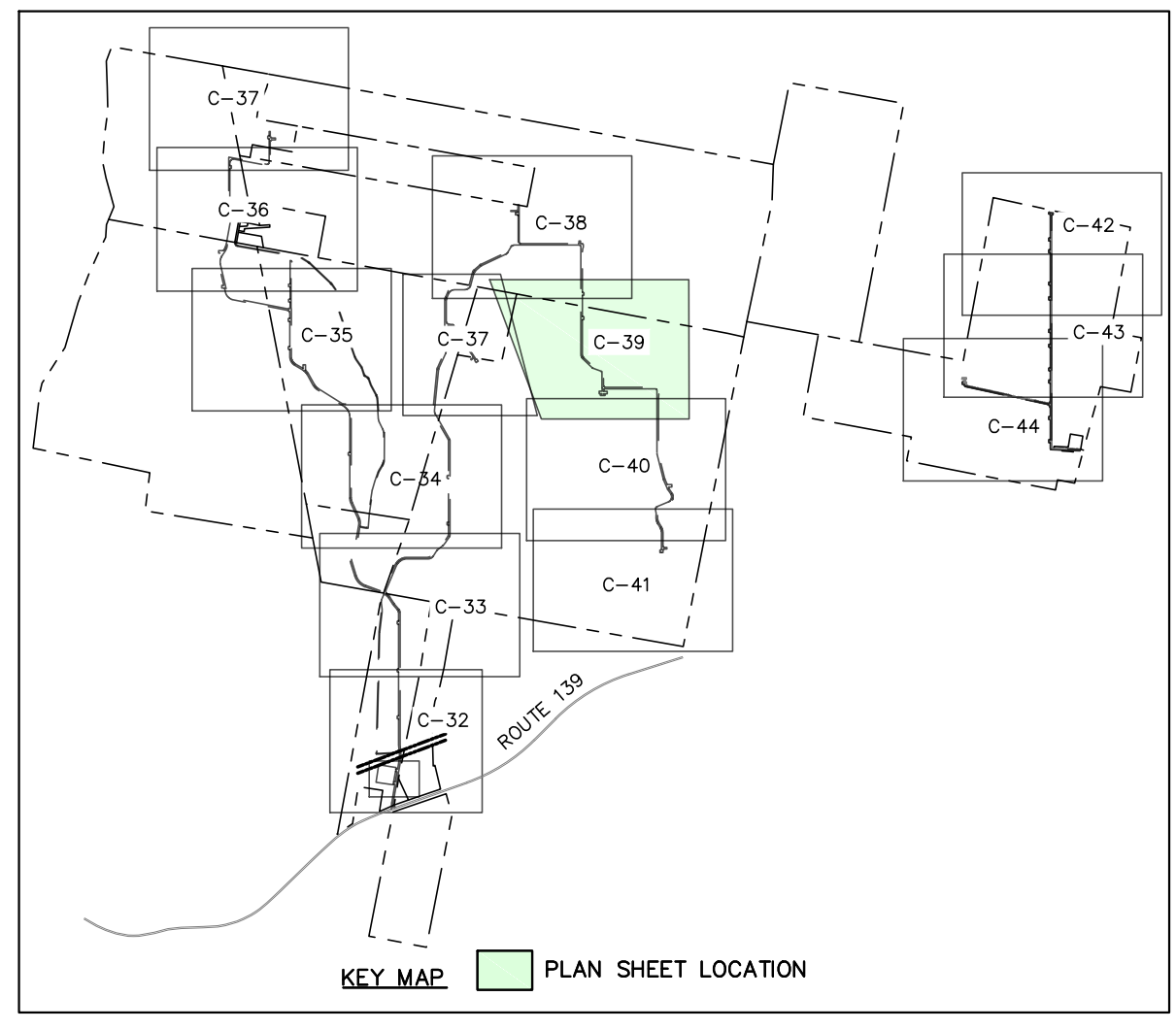
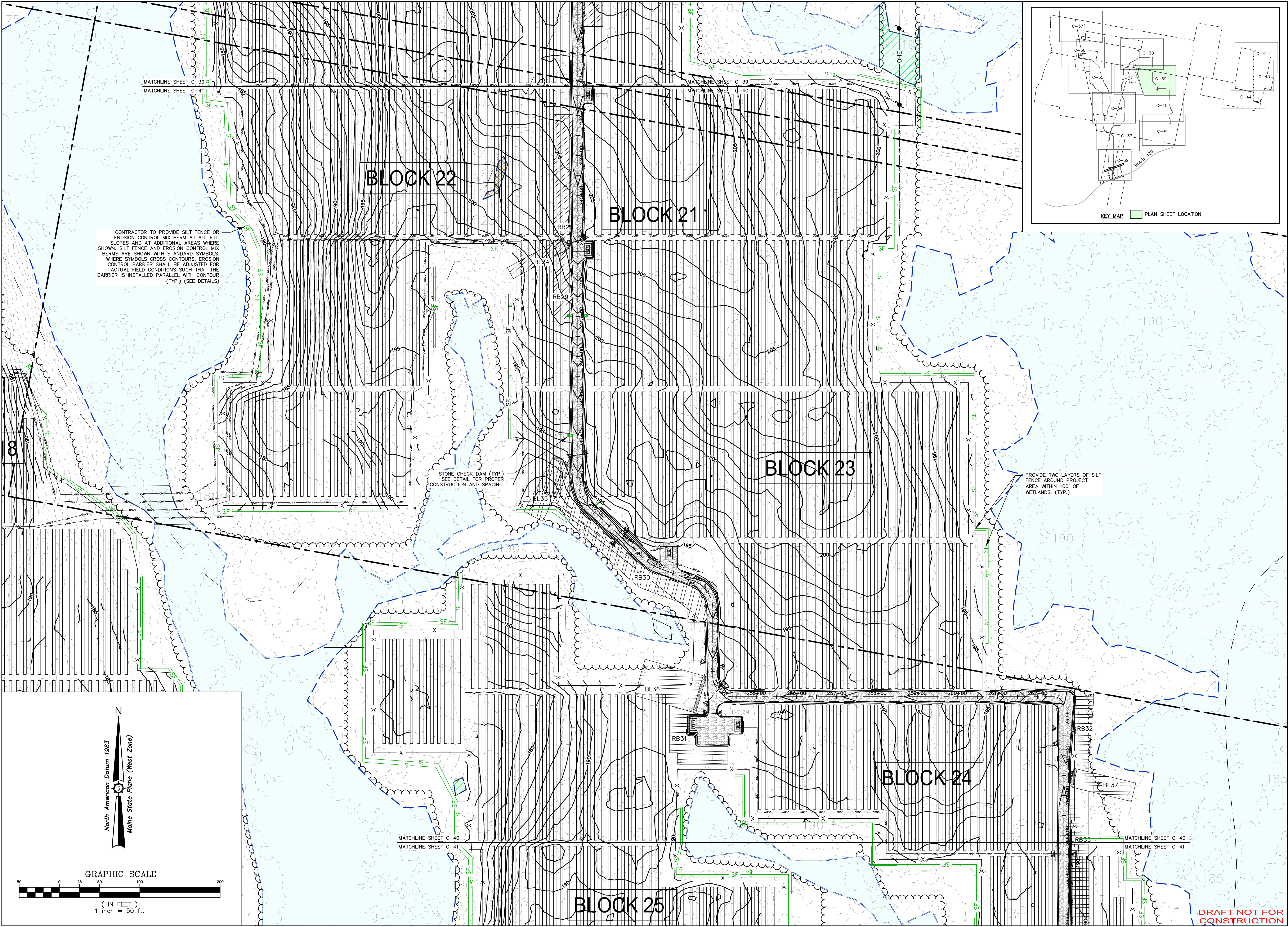
ENGINEERING SURVEYING

Sewall

The evolution of expertise

www.sewall.com 1 800 648 4202

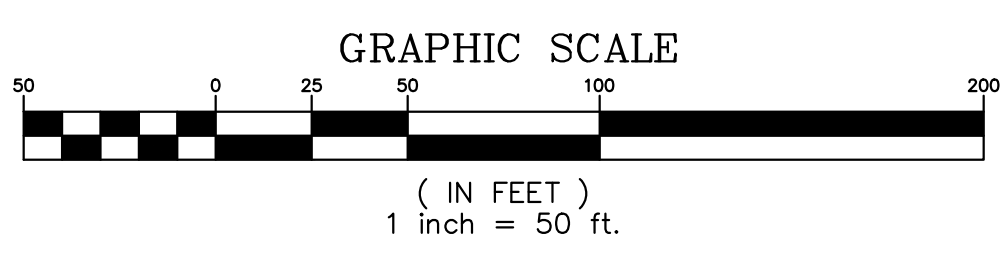
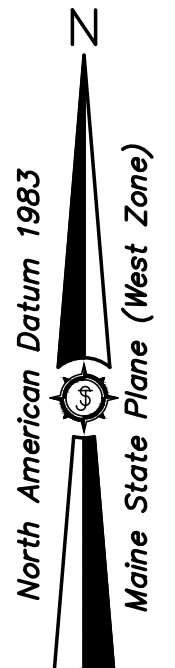
Permit No.	PERMIT
Sheet No.	C-39



CONTRACTOR TO PROVIDE SILT FENCE OR EROSION CONTROL MIX BERM AT ALL FILL SLOPES AND AT ADDITIONAL AREAS WHERE SHOWN. SILT FENCE AND EROSION CONTROL MIX BERMS ARE SHOWN WITH STANDARD SYMBOLS. WHERE SYMBOLS CROSS CONTOURS, EROSION CONTROL BARRIER SHALL BE ADJUSTED FOR ACTUAL FIELD CONDITIONS SUCH THAT THE BARRIER IS INSTALLED PARALLEL WITH CONTOUR (TYP.) (SEE DETAILS)

STONE CHECK DAM (TYP.)
SEE DETAIL FOR PROPER CONSTRUCTION AND SPACING.

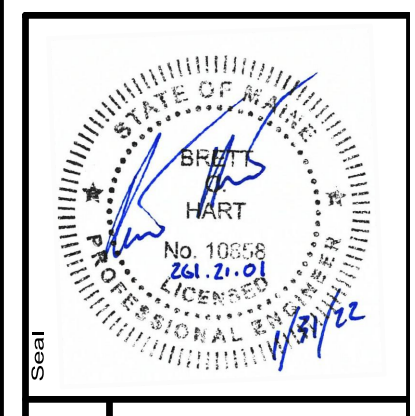
PROVIDE TWO LAYERS OF SILT FENCE AROUND PROJECT AREA WITHIN 100' OF WETLANDS. (TYP.)



Date	
Drawn By	AVD/MS
Checked By	BCH
Project Location	PORTLAND, ME 04101
Scale	AS SHOWN
Approved	BCH
Checked	JAO

THREE CORNERS SOLAR, LLC
 30 DANFORTH ST SUITE 210
 PORTLAND, ME 04101
ROUTE 139 UNITY TWP., ME

Project Location
 Drawing Description
THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN



261.21.01

ENGINEERING SURVEYING

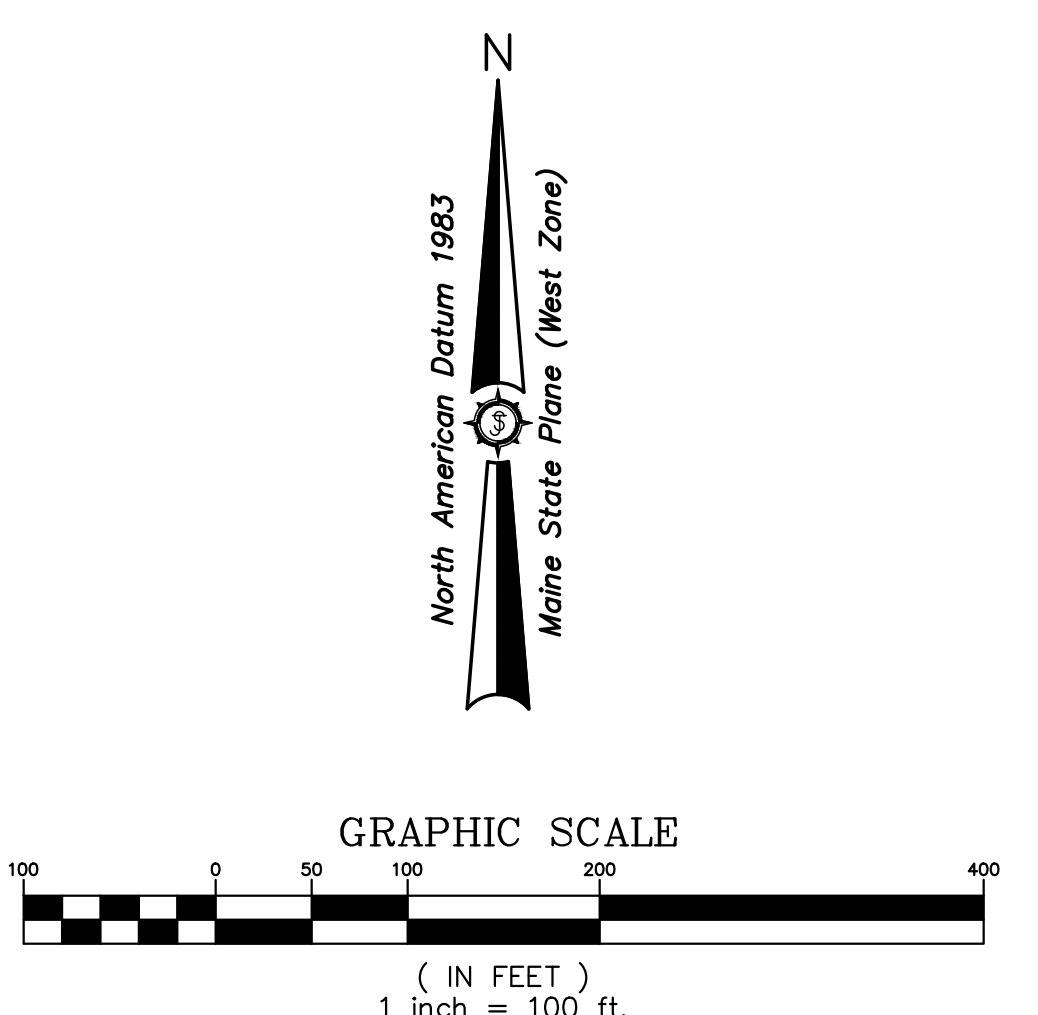
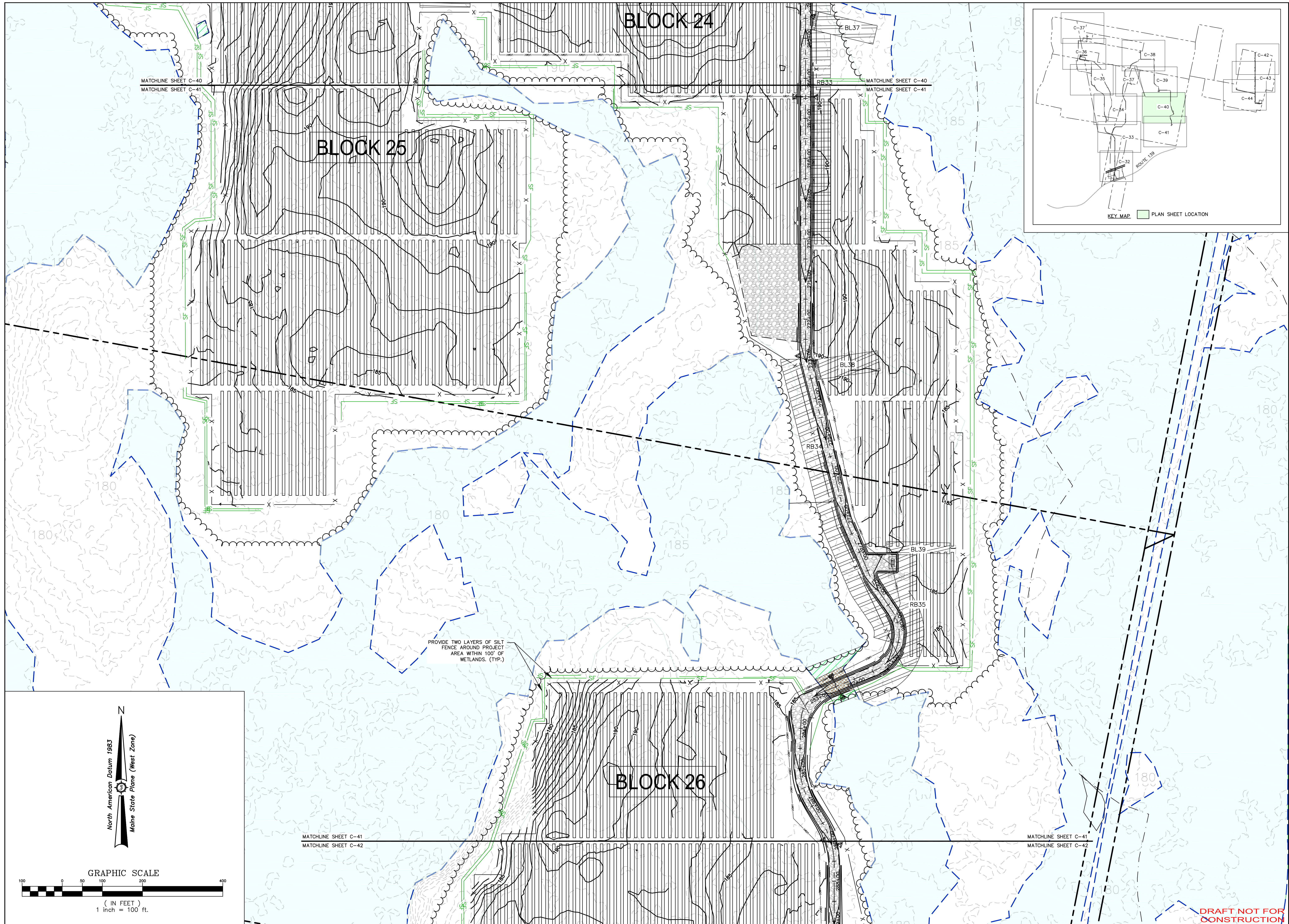
Sewal
The evolution of expertise

www.sewal.com 1 800 648 4202

Permit No. **PERMIT**

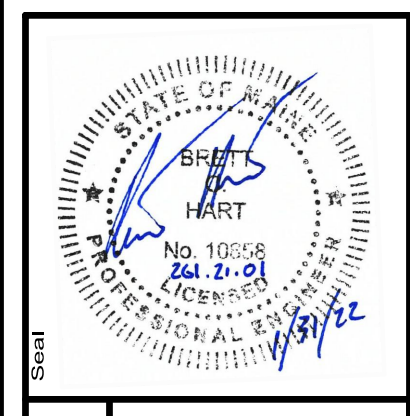
Sheet No. **C-40**

DRAFT NOT FOR CONSTRUCTION



PROVIDE TWO LAYERS OF SILT FENCE AROUND PROJECT AREA WITHIN 100' OF WETLANDS. (TYP.)

Project No. 261.21.01 Phase PERMIT Sheet No. C-41		Drawn By AND/MS Scale 01/31/2022 Approved By BCH Checked By JAO	
Project Location ROUTE 139 UNITY TWP., ME		Client THREE CORNERS SOLAR, LLC 30 DANFORTH ST SUITE 210 PORTLAND, ME 04101	
Drawing Description THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN		Date	



261.21.01

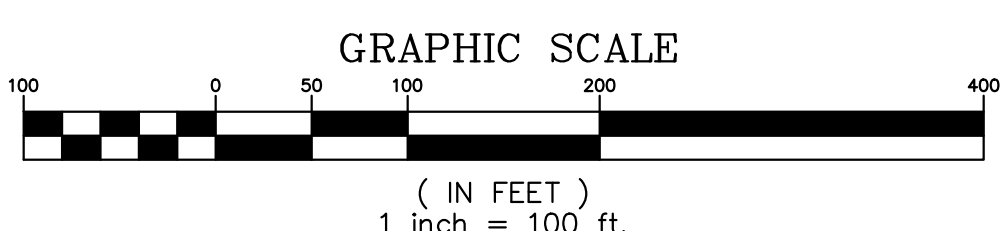
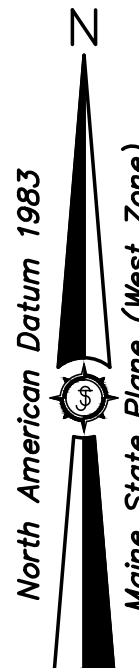
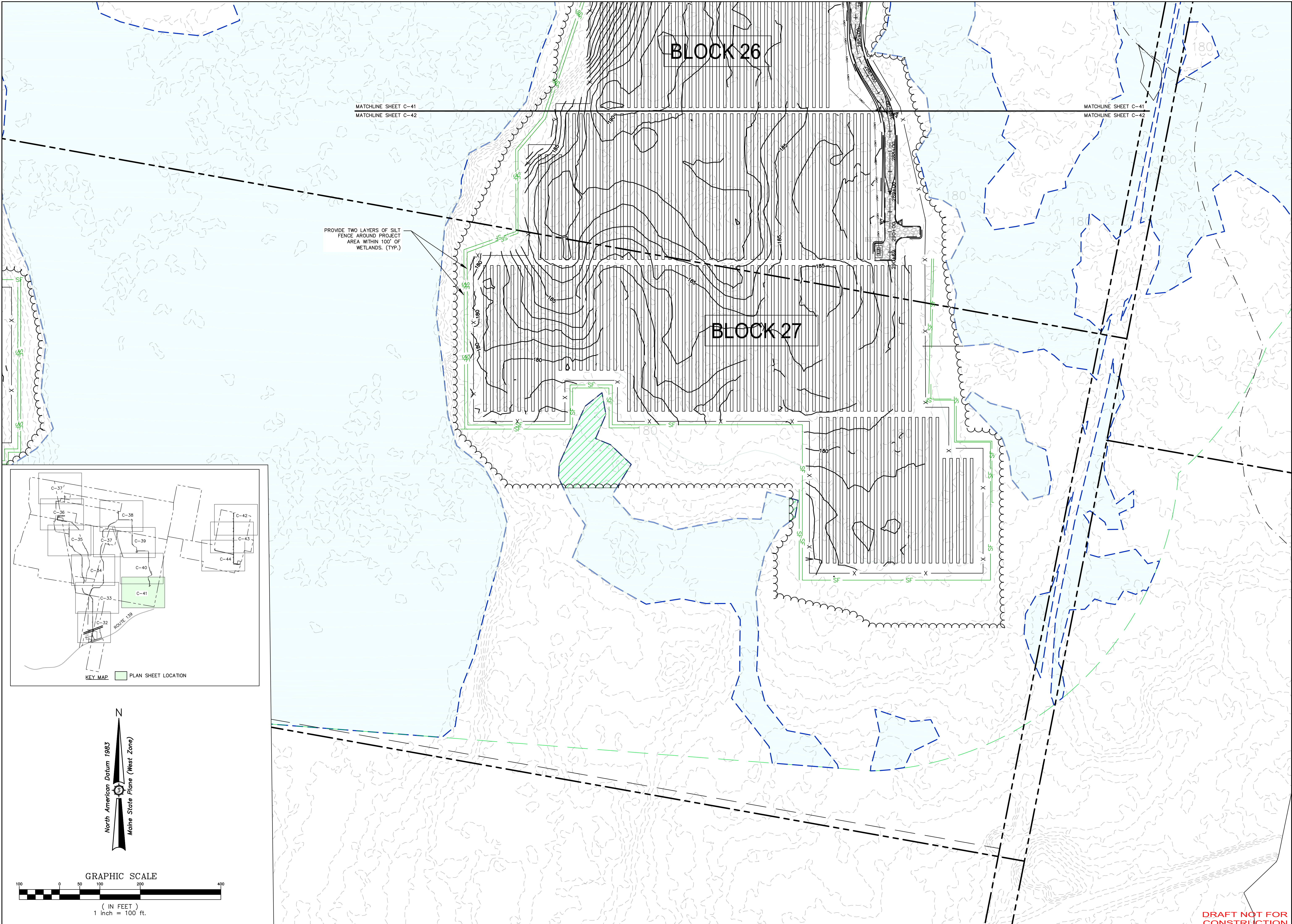
ENGINEERING SURVEYING

Sewall

The evolution of expertise

www.sewall.com 1 800 648 4202

DRAFT NOT FOR CONSTRUCTION



PROVIDE TWO LAYERS OF SILT FENCE AROUND PROJECT AREA WITHIN 100' OF WETLANDS. (TYP.)

BLOCK 26

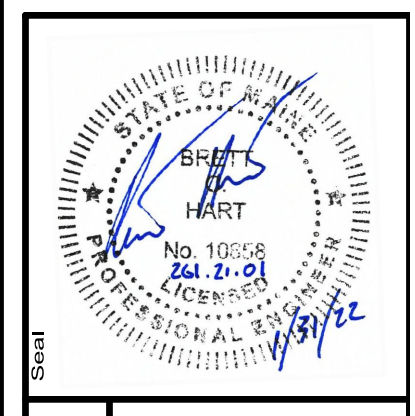
BLOCK 27

MATCHLINE SHEET C-41
MATCHLINE SHEET C-42

MATCHLINE SHEET C-41
MATCHLINE SHEET C-42

Drawn By	AVD/MS
Checked By	JAO
Date	

Drawn By	AVD/MS
Checked By	JAO
Date	01/31/2022
Scale	
Project Location	PORTLAND, ME 04101
Project Name	THREE CORNERS SOLAR, LLC
Project Description	THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN
Project Address	30 DANFORTH ST SUITE 210 ROUTE 139 UNITY TWP, ME



261.21.01

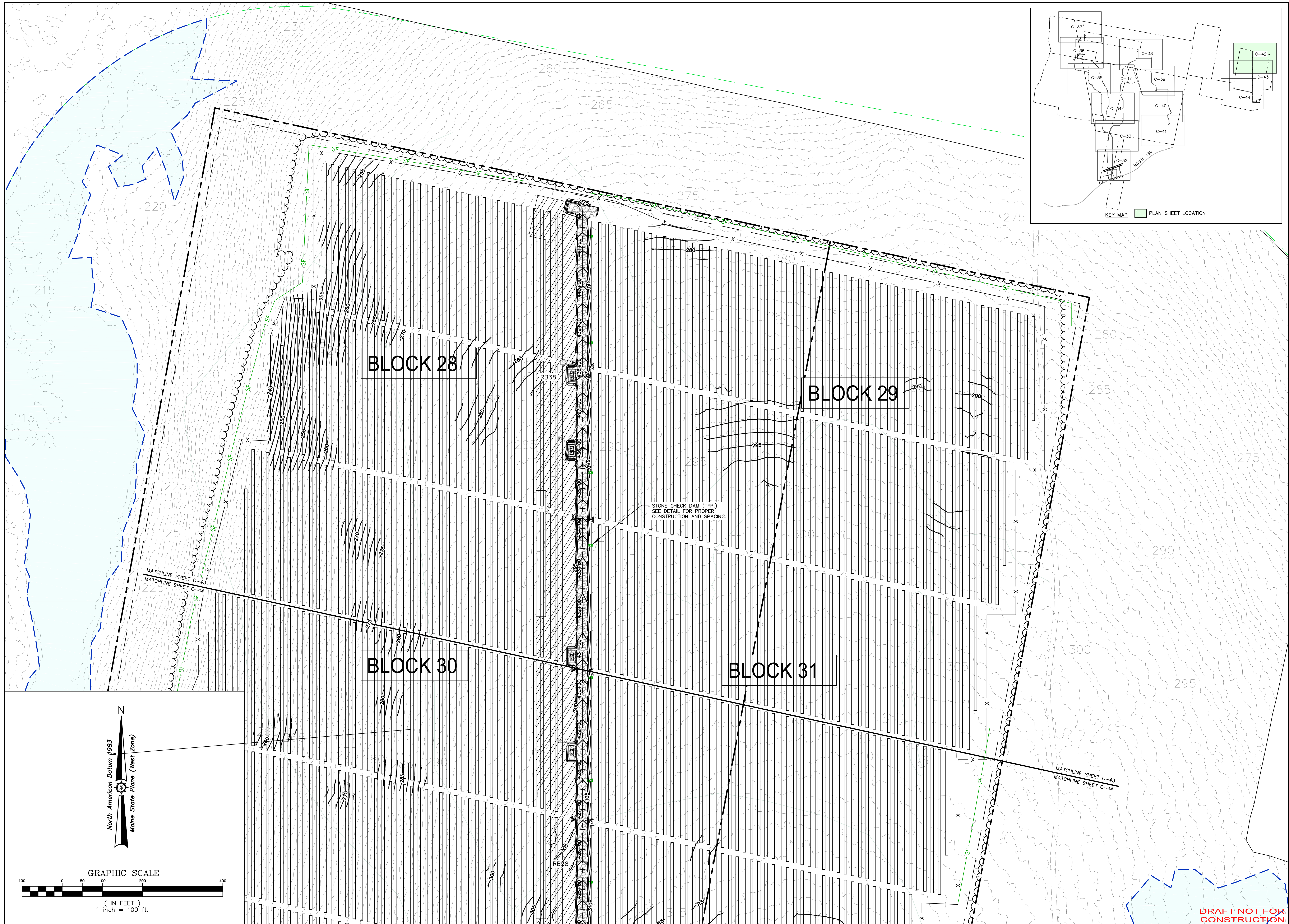
ENGINEERING SURVEYING

Sewall
The evolution of expertise

www.sewall.com 1 800 648 4202

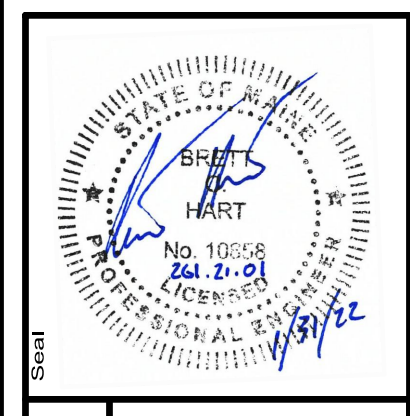
Phase	PERMIT
Sheet No.	C-42

DRAFT NOT FOR CONSTRUCTION



Drawn By	AVD/MS
Checked By	JAO
Date	

Drawn By	AVD/MS
Checked By	JAO
Date	01/31/2022
Scale	
Project Location	PORTLAND, ME 04101
Client	THREE CORNERS SOLAR, LLC
Project Name	THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN
Project Address	ROUTE 139 UNITY TWP, ME



261.21.01

ENGINEERING SURVEYING

Sewall

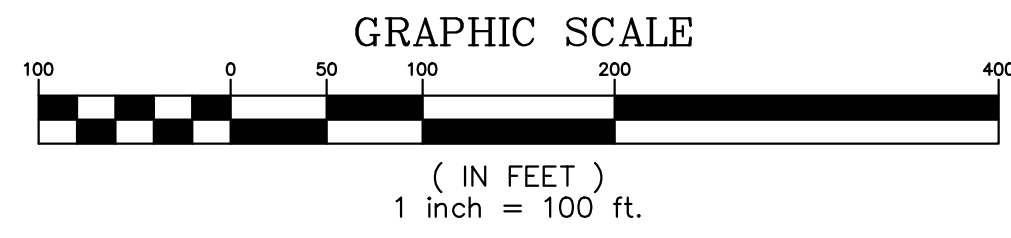
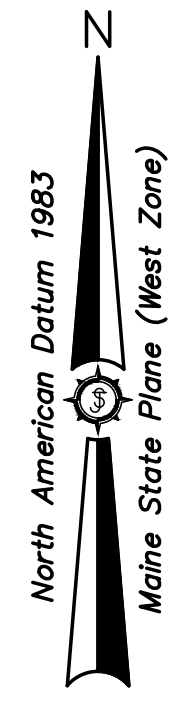
The evolution of expertise

www.sewall.com

1 800 648 4202

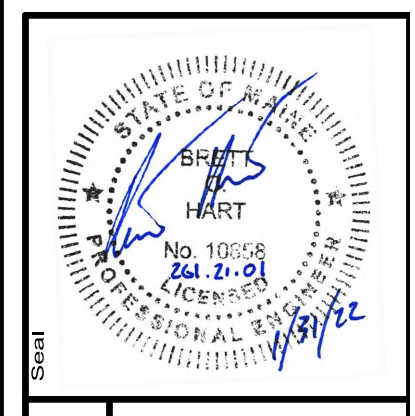
Phase	PERMIT
Sheet No.	C-43

DRAFT NOT FOR CONSTRUCTION



Drawn By	AVD/MS
Checked By	JAO

Drawn By	AVD/MS
Checked By	JAO
Project No.	261.21.01
Project Name	THREE CORNERS SOLAR, LLC
Project Location	30 DANFORTH ST SUITE 210 PORTLAND, ME 04101
Project Description	THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN



261.21.01

ENGINEERING SURVEYING

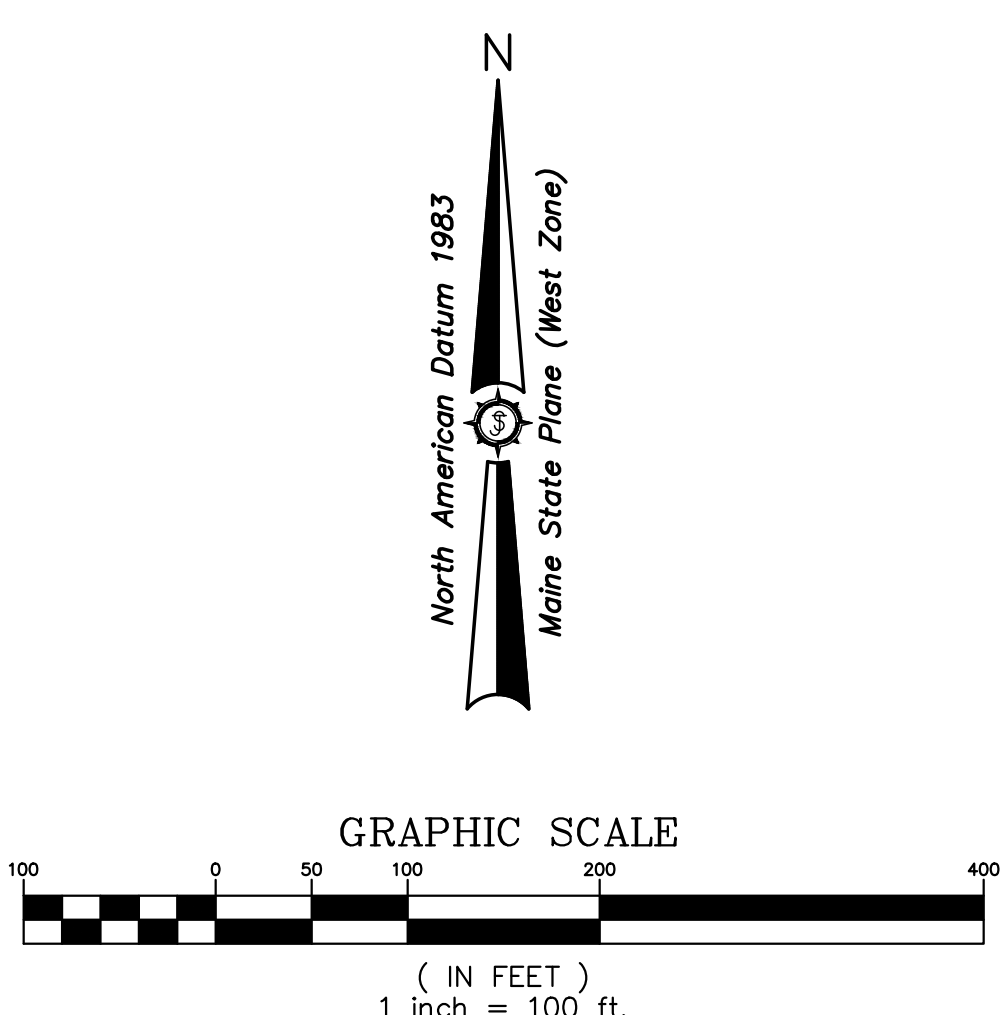
Sewal

The evolution of expertise

www.sewal.com 1 800 648 4202

Phase	PERMIT
Sheet No.	C-44

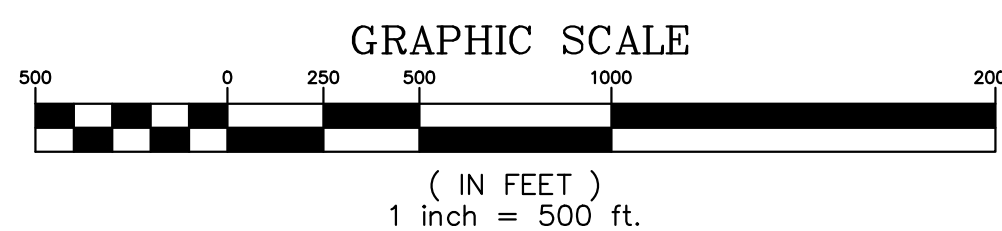
DRAFT NOT FOR CONSTRUCTION



Drawn By AVD/MS	Checked By JAO
Design Date 01/31/2022	Scale
Project Location PORTLAND, ME 04101	
Client THREE CORNERS SOLAR, LLC	
Project Name THREE CORNERS SOLAR ENERGY PROJECT: EROSION AND SEDIMENTATION CONTROL PLAN	
Project Address 30 DANFORTH ST SUITE 210 ROUTE 139 UNITY TWP, ME	
Professional Seal STATE OF MAINE ENGINEERING No. 10558 Paul J. Hart 12/22	
Project No. 261.21.01	Phase PERMIT
Company Sewal ENGINEERING	Website www.sewal.com
Phone 1 800 648 4202	
Sheet No. C-45	

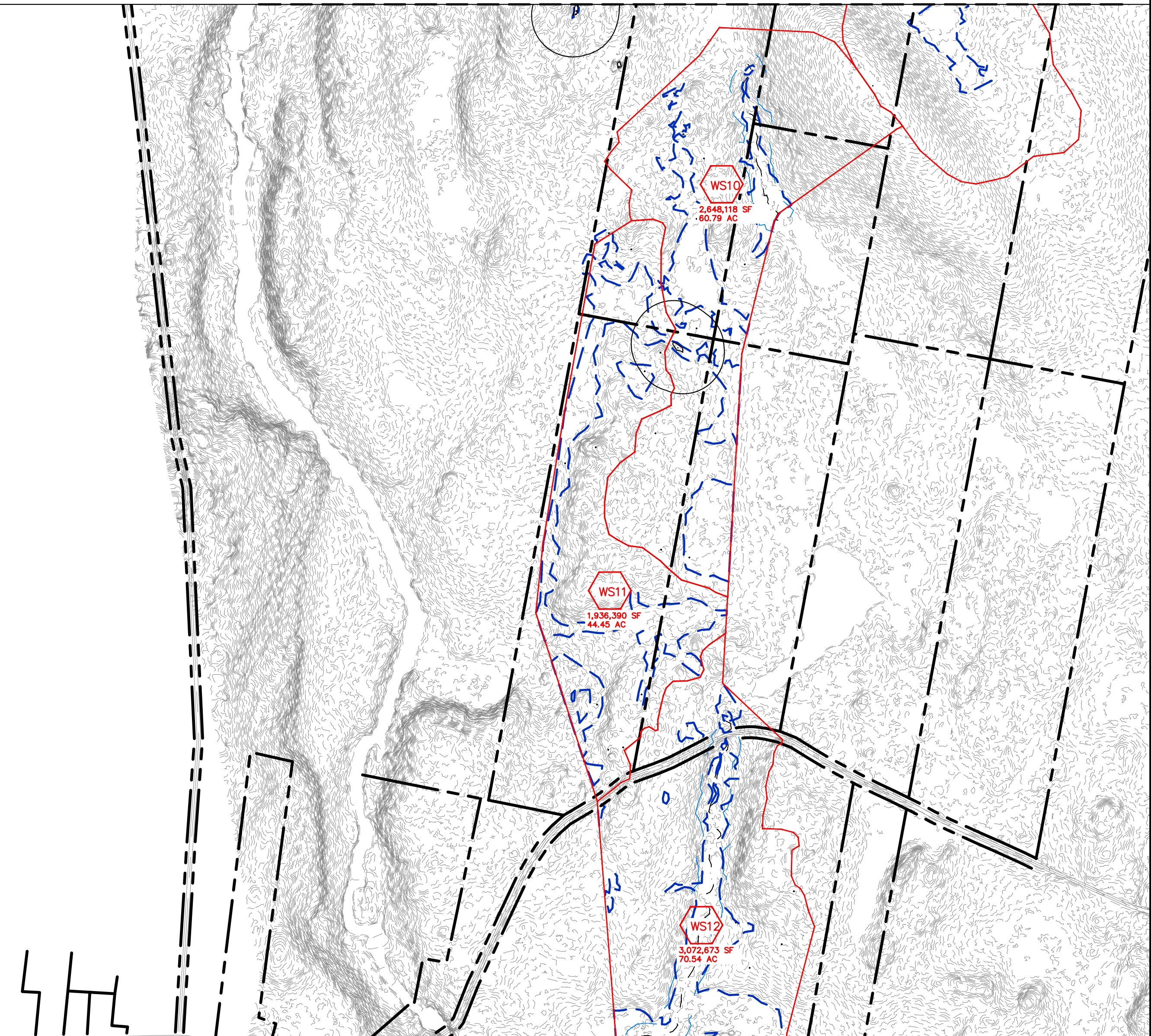
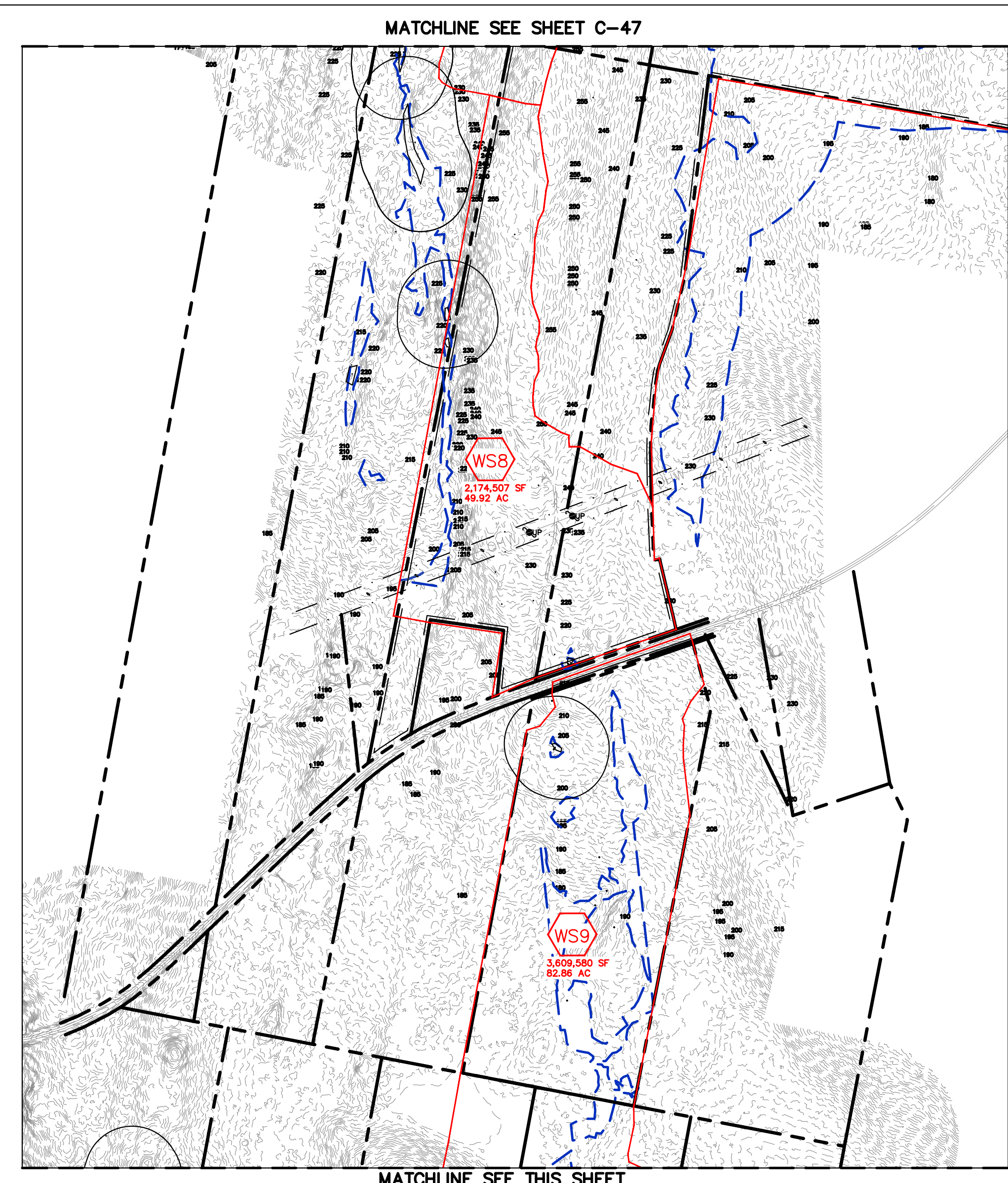
DRAFT NOT FOR CONSTRUCTION

North American Datum 1983
Maine State Plane (West Zone)



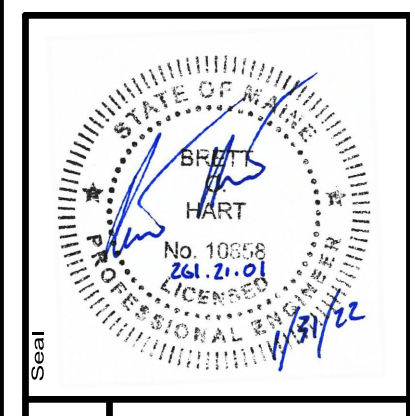
LINE LEGEND

- 1 SUBCATCHMENT LABEL
- SUBCATCHMENT LINE



Date	Drawn By	Description

Drawn By AVD/MS	Checked By JAO
BCH	BCH
Date 01/31/2022	Scale
Project Location PORTLAND, ME 04101	
Project Name THREE CORNERS SOLAR ENERGY PROJECT: PRE-DEVELOPMENT DRAINAGE PLAN	
Client THREE CORNERS SOLAR, LLC	
Address 30 DANFORTH ST SUITE 210 ROUTE 139 UNITY TWP, ME	



Project No. 261.21.01

Phase PERMIT

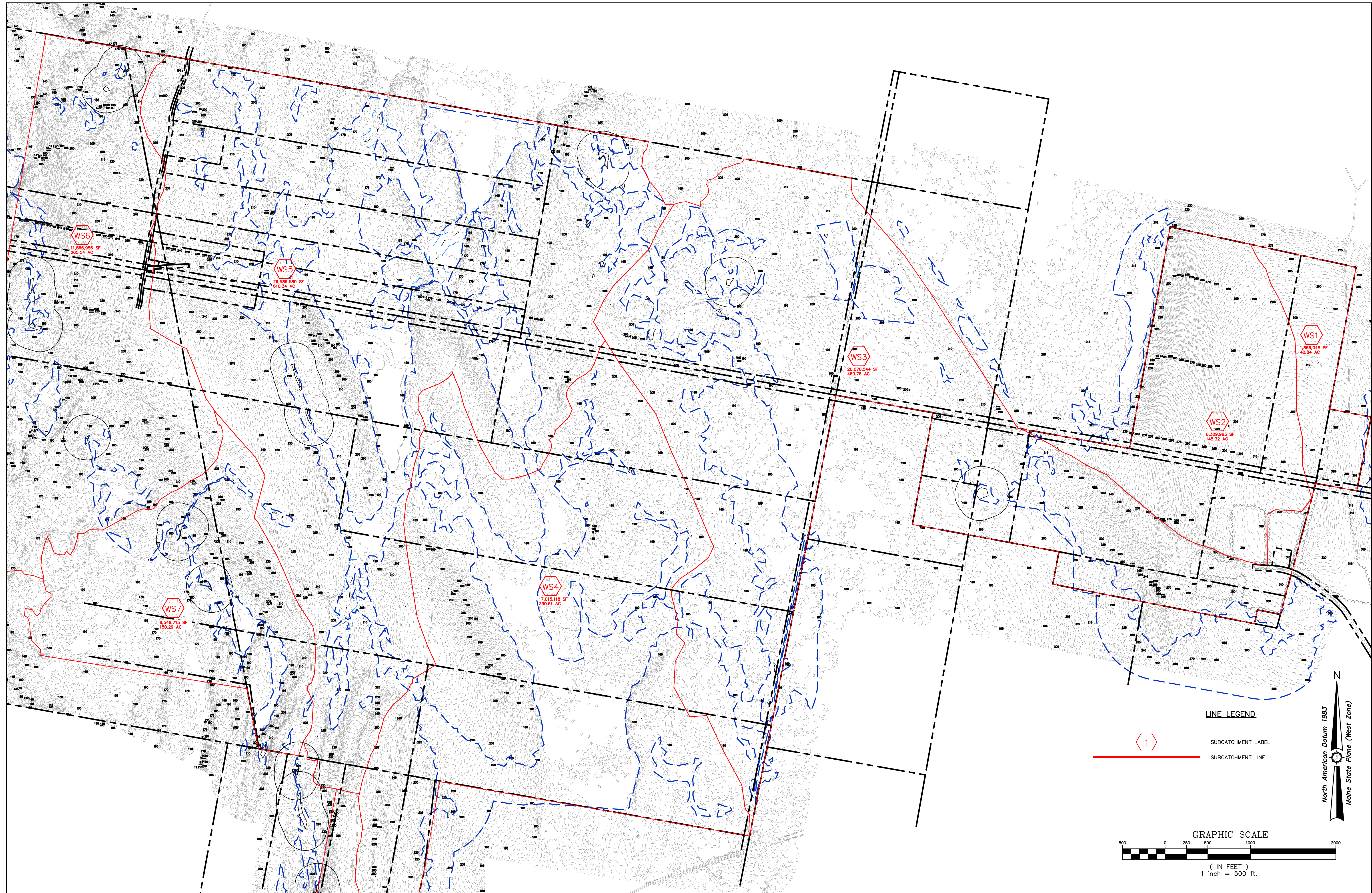
Sheet No. C-46

ENGINEERING SURVEYING

Sewal
The evolution of expertise

www.sewal.com 1 800 648 4202

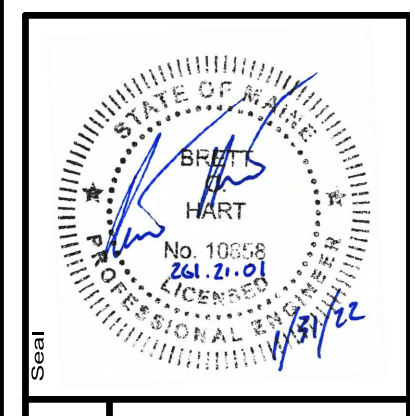
DRAFT NOT FOR CONSTRUCTION



MATCHLINE SEE SHEET C-46

Drawn By	AVD/MS
Checked By	JAO
Date	

Drawn By	AVD/MS
Checked By	JAO
Date	01/31/2022
Scale	
Project No.	261.21.01
Project Location	PORTLAND, ME 04101
Project Name	THREE CORNERS SOLAR, LLC
Project Description	THREE CORNERS SOLAR ENERGY PROJECT: PRE-DEVELOPMENT DRAINAGE PLAN



261.21.01

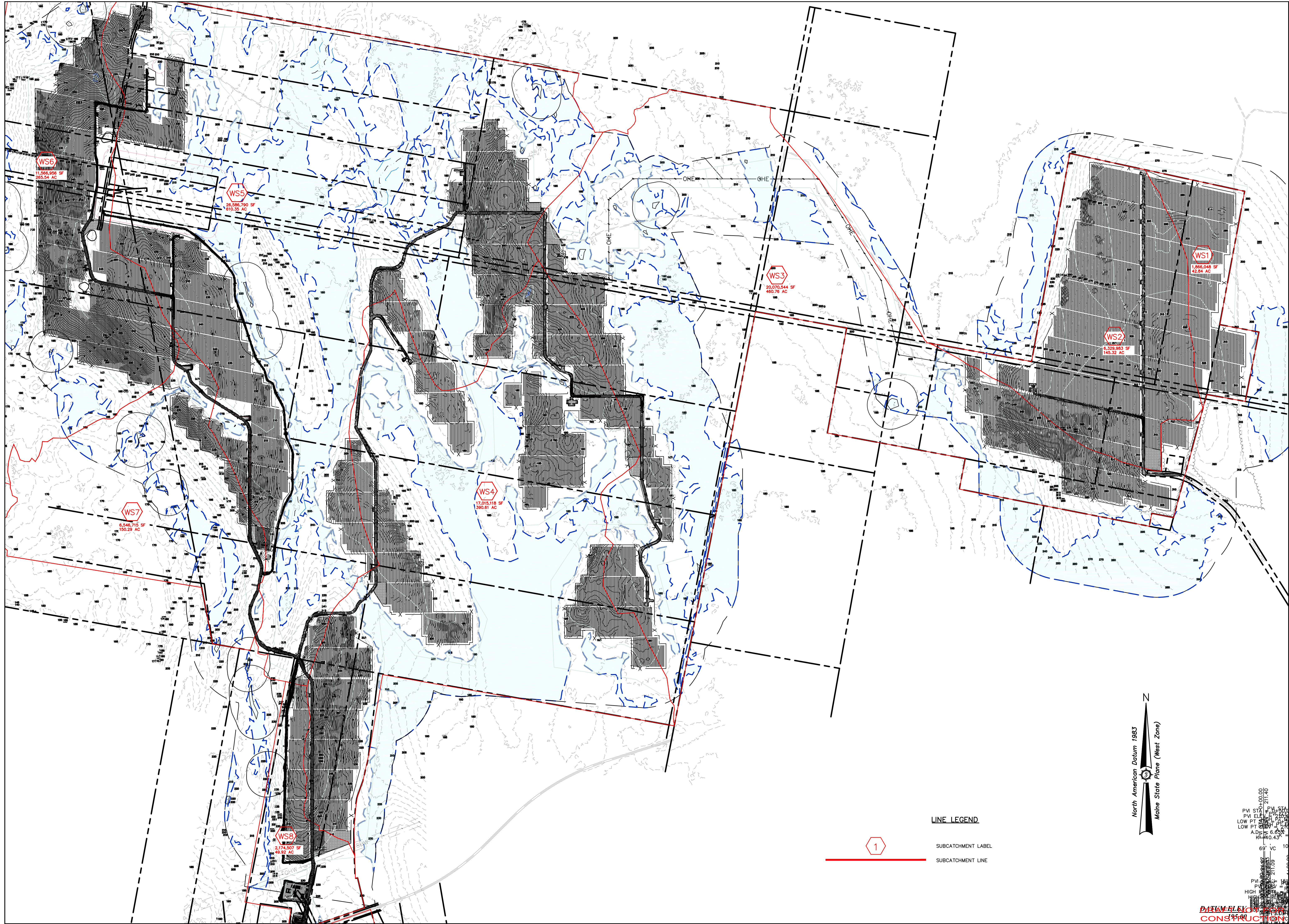
ENGINEERING SURVEYING

Sewall
The evolution of expertise

www.sewall.com 1 800 648 4202

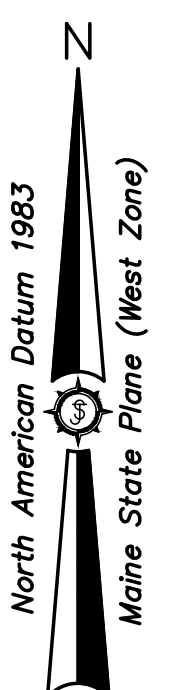
Phase	PERMIT
Sheet No.	C-47

DRAFT NOT FOR CONSTRUCTION



LINE LEGEND

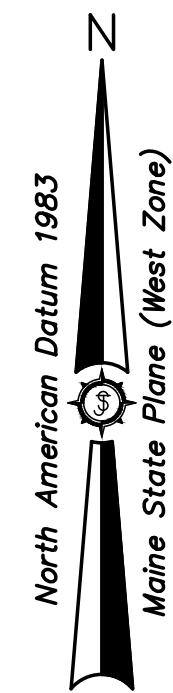
- 1 SUBCATCHMENT LABEL
- SUBCATCHMENT LINE



PVI STA 20+00.00
 PVI ELEV 231.740
 LOW PT STA 20+00.00
 LOW PT ELEV 231.740
 A.D. 6.60%
 K=40.4
 69' VC
 PVI STA 20+00.00
 PVI ELEV 231.740
 HIGH PT STA 20+00.00
 HIGH PT ELEV 231.740

PERMITS
CONSTRUCTION

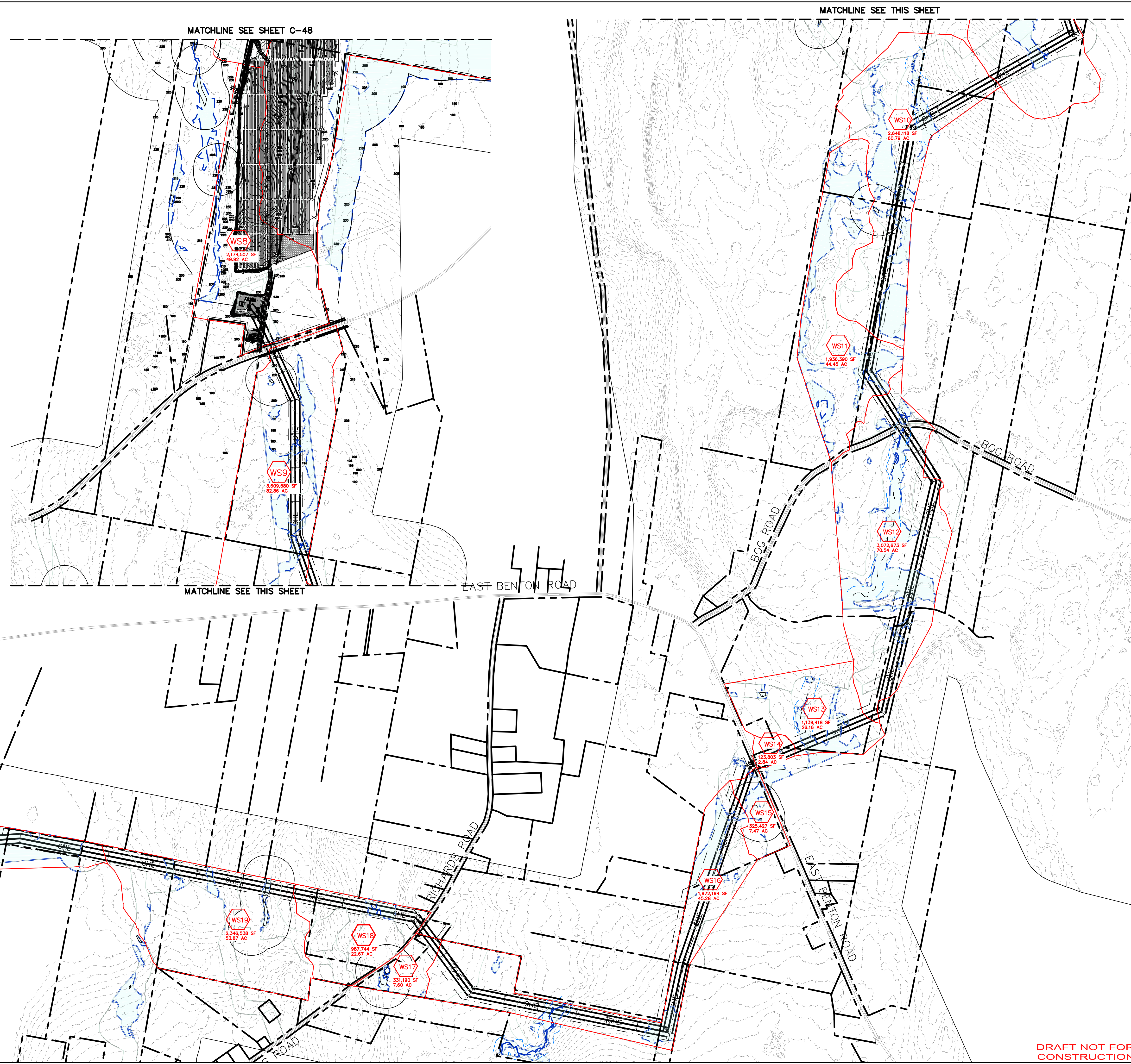
Project No. 261.21.01	Drawn By AWD/MS	Checked By JAO	Date
Project Location THREE CORNERS SOLAR, LLC 30 DANFORTH ST SUITE 210 PORTLAND, ME 04101 ROUTE 139 UNITY TWP, ME	Date 01/31/2022	Scale 	Approved
Drawing Description THREE CORNERS SOLAR ENERGY PROJECT: POST DEVELOPMENT DRAINAGE PLAN			
		SURVEYING ENGINEERING The evolution of expertise www.sewal.com 1 800 648 4202	
PERMIT		C-48	



LINE LEGEND



SUBCATCHMENT LABEL
SUBCATCHMENT LINE



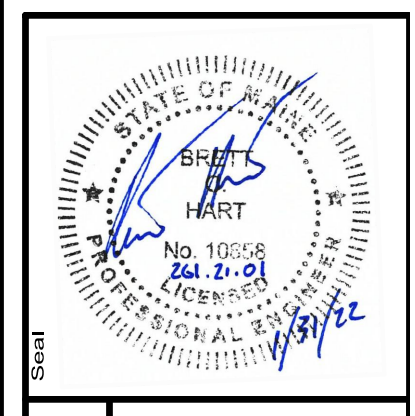
Drawn By	AVD/MS
Checked By	JAO
Date	

THREE CORNERS SOLAR, LLC
 30 DANFORTH ST SUITE 210
 PORTLAND, ME 04101
 Project Location

ROUTE 139 UNITY TWP, ME
 Scale

Approved By: **BCH**
 Checked By: **JAO**

Project Description:
**THREE CORNERS SOLAR ENERGY PROJECT:
 POST DEVELOPMENT DRAINAGE PLAN**



Project No. **261.21.01**

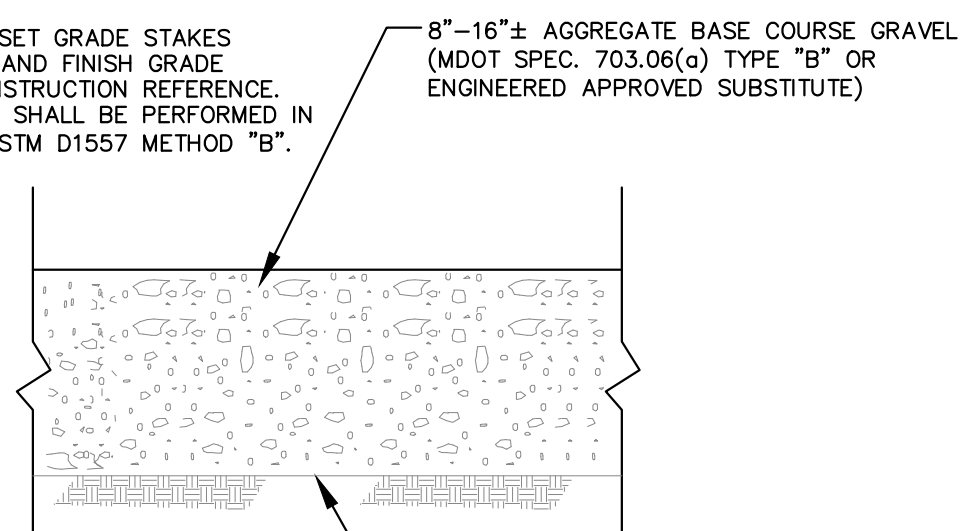
Phase **PERMIT**

Sheet No. **C-49**

ENGINEERING SURVEYING
Sewal
 The evolution of expertise
 www.sewal.com 1 800 648 4202

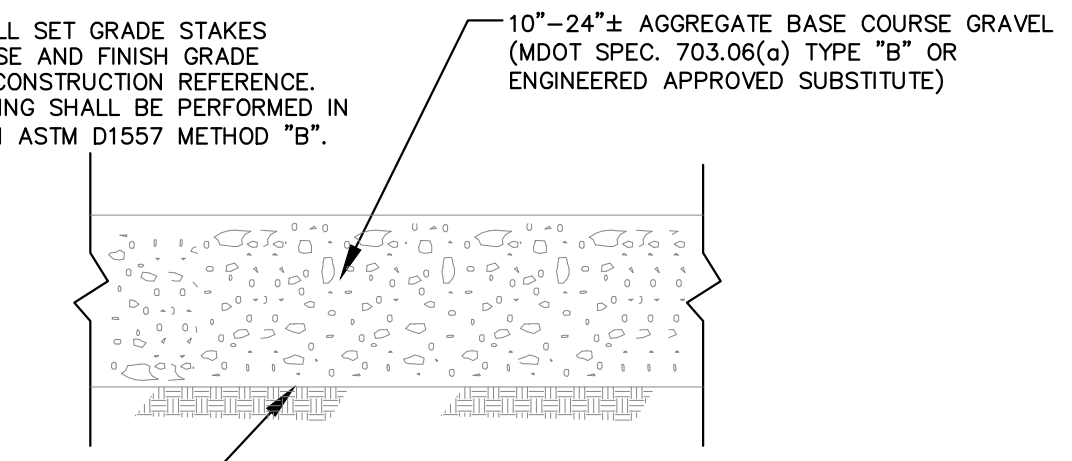
DRAFT NOT FOR CONSTRUCTION

- NOTE:
 1. COMPACT GRAVEL BASE, BASE COURSE TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION
 2. CONTRACTOR SHALL SET GRADE STAKES MARKING SUB-BASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.
 3. COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D1557 METHOD "B".

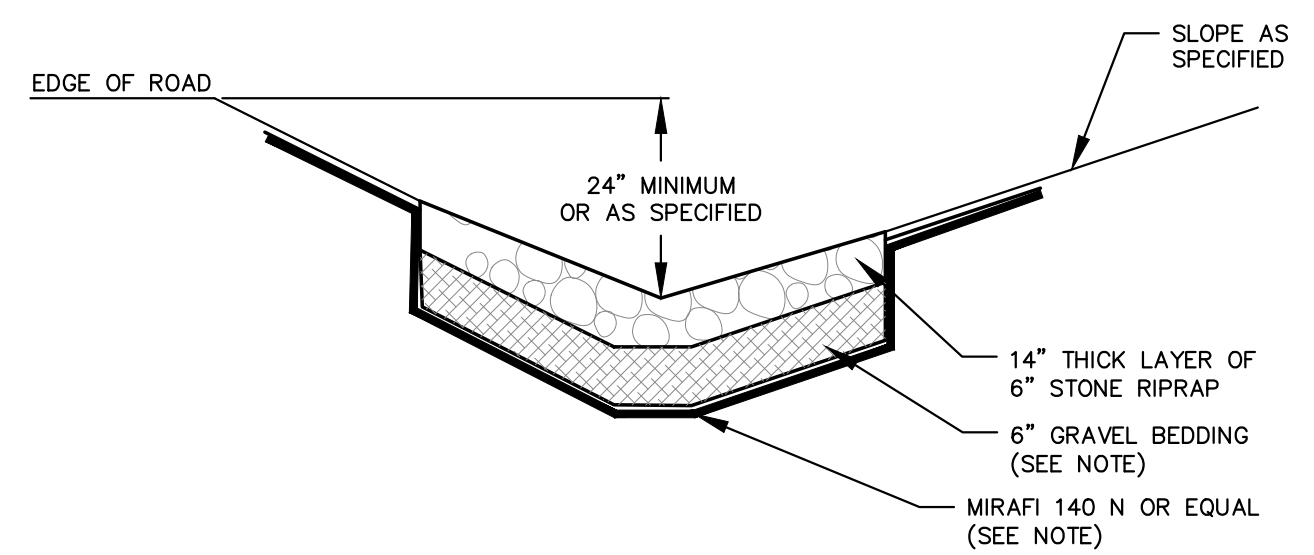


GRAVEL EQUIPMENT PAD SECTION
NOT TO SCALE

- NOTE:
 1. COMPACT GRAVEL BASE, BASE COURSE TO 95% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION
 2. CONTRACTOR SHALL SET GRADE STAKES MARKING SUB-BASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.
 3. COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D1557 METHOD "B".



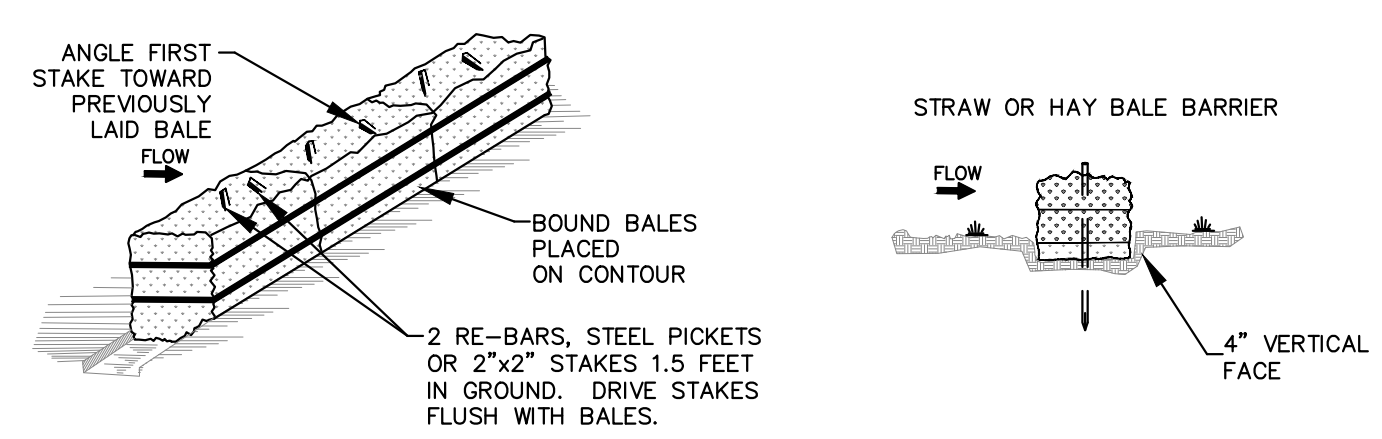
TYPICAL ACCESS ROAD SECTION
NOT TO SCALE



TEMPORARY LAYDOWN YARD SECTION
NOT TO SCALE

- NOTE:
 1. STONE DITCH PROTECTION SHALL BE USED ON ALL DITCHES EXCEEDING 6% GRADE AND ALL DITCHES DOWN STREAM OF THESE GRADES TO THE NEAREST CULVERT, DITCH TURNOUT OR LEVEL SPREADER.
 2. 6" GRAVEL BEDDING MAY BE ELIMINATED IF MIRAFI 180N GEOTEXTILE OR EQUAL IS UTILIZED. STONE WEIGHT IS LESS THAN 230 lbs., AND DROP HEIGHT IS LESS THAN 3 FEET.
 3. GEOTEXTILE MAY BE ELIMINATED AS DETERMINED BY ENGINEER IF BASE OF DITCH IS CONSTRUCTED FROM BLAST ROCK.
 4. ALL DITCHES EXPERIENCING GROUNDWATER FLOW SHALL HAVE STONE PROTECTION.
 5. EXTEND STONE DITCH PROTECTION ON FORESLOPE AND BACKSLOPES ABOVE GROUNDWATER SEEPAGE LIMIT.

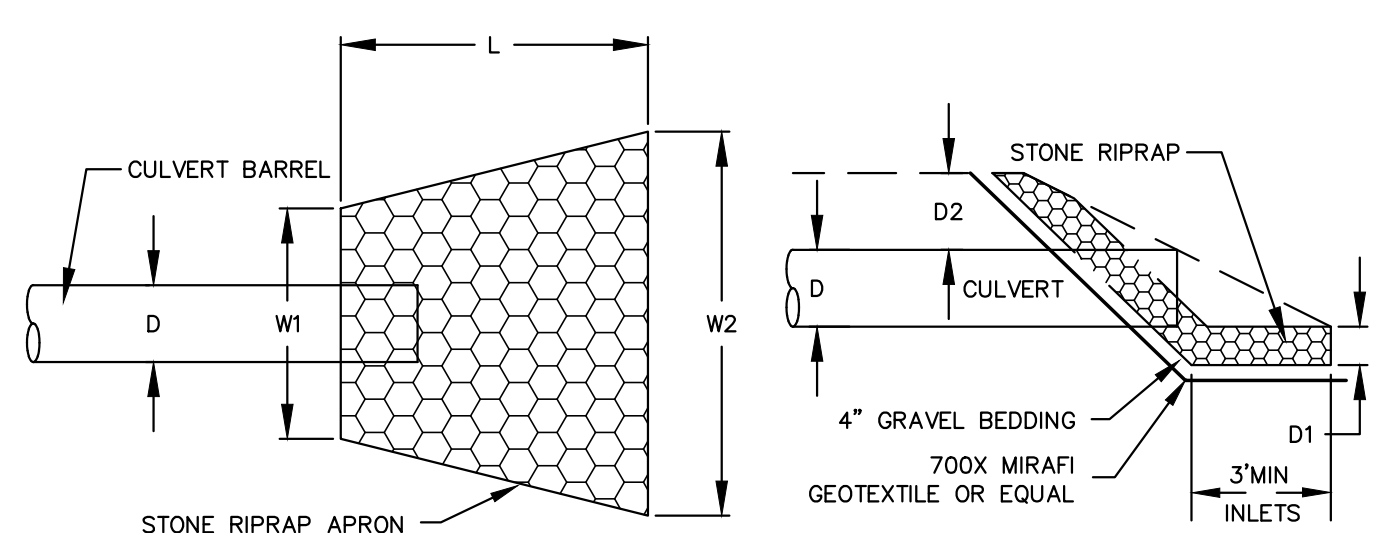
TYPICAL STONE DITCH PROTECTION DETAIL
NOT TO SCALE



ANCHORING DETAIL **EMBEDDING DETAIL**
CONSTRUCTION SPECIFICATIONS

- BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF FOUR INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- INSPECT FREQUENTLY AND REPAIR OR REPLACE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

HAYBALE DETAIL
NOT TO SCALE



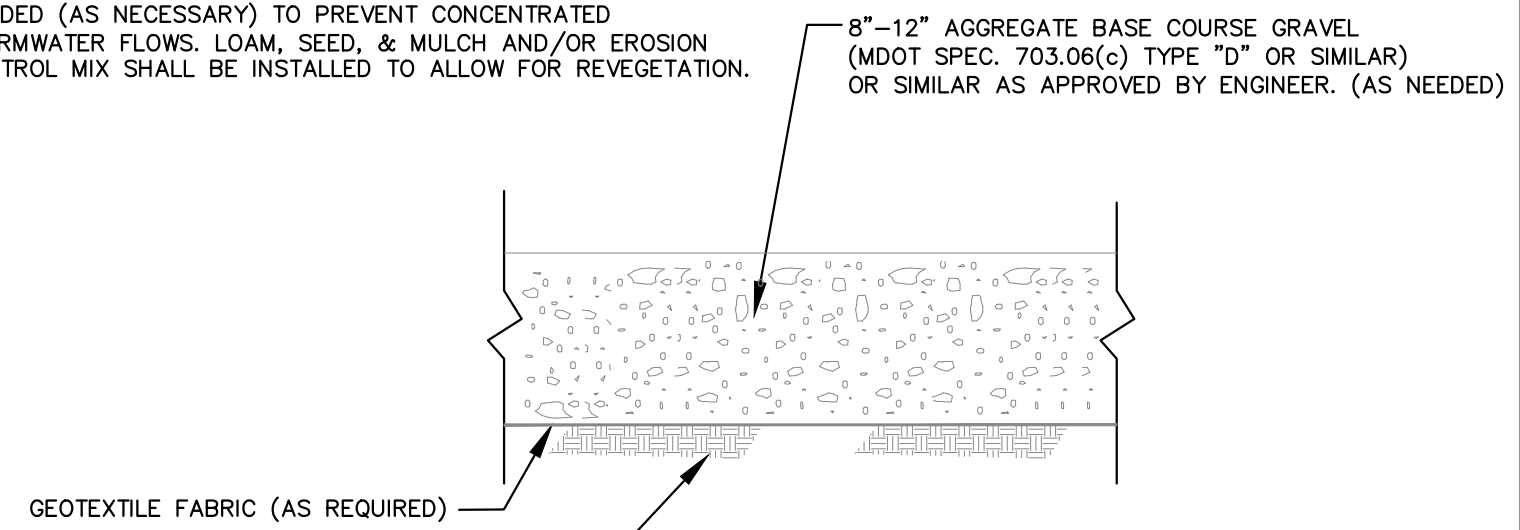
NOTES:
 1. THE RIPRAP APRON SHALL BE CONSTRUCTED WITH NO SLOPE ALONG ITS LENGTH.

D	W1	W2	L	d50
15"	4'	14'	10'	4"
18"	5'	15'	10'	6"
24"	6'	16'	12'	6"

D	D1	D2 INLET	D2 OUTLET
15"	9"	24"	12"
18"	13.5"	24"	12"
24"	13.5"	36"	12"

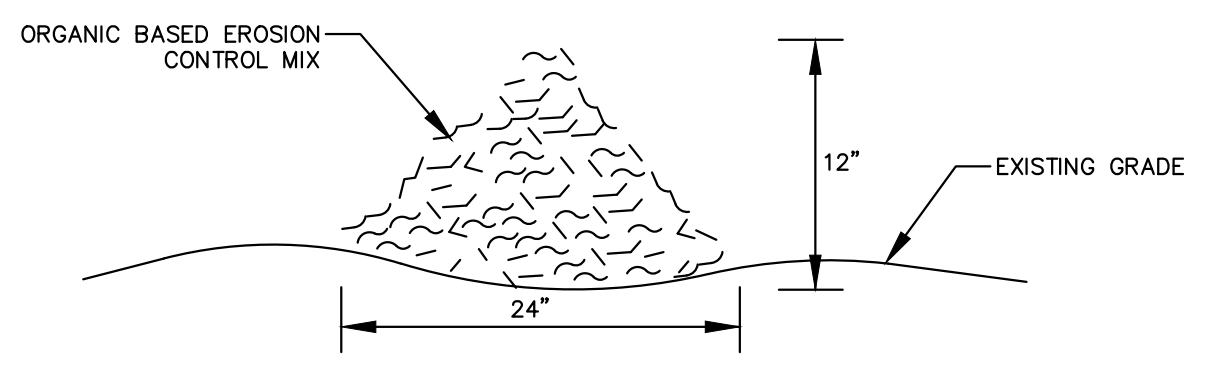
CULVERT OUTLET DETAIL PLAN VIEW **CULVERT INLET/OUTLET DETAIL PLAN VIEW**
NOT TO SCALE

- NOTES:
 1. COMPACT GRAVEL AS NECESSARY.
 2. EARTHWORK (CUT & FILL) MAY BE PERFORMED WITHIN LAYDOWN AREA TO PROVIDE TERRAIN SUITABLE FOR LAYDOWN/STAGING PURPOSES.
 3. UPON COMPLETION OF CONSTRUCTION, THE AREA WILL BE GRADED (AS NECESSARY) TO PREVENT CONCENTRATED STORMWATER FLOWS. LOAM, SEED & MULCH AND/OR EROSION CONTROL MIX SHALL BE INSTALLED TO ALLOW FOR REVEGETATION.



TEMPORARY DEWATERING SEDIMENT BASIN
NOT TO SCALE

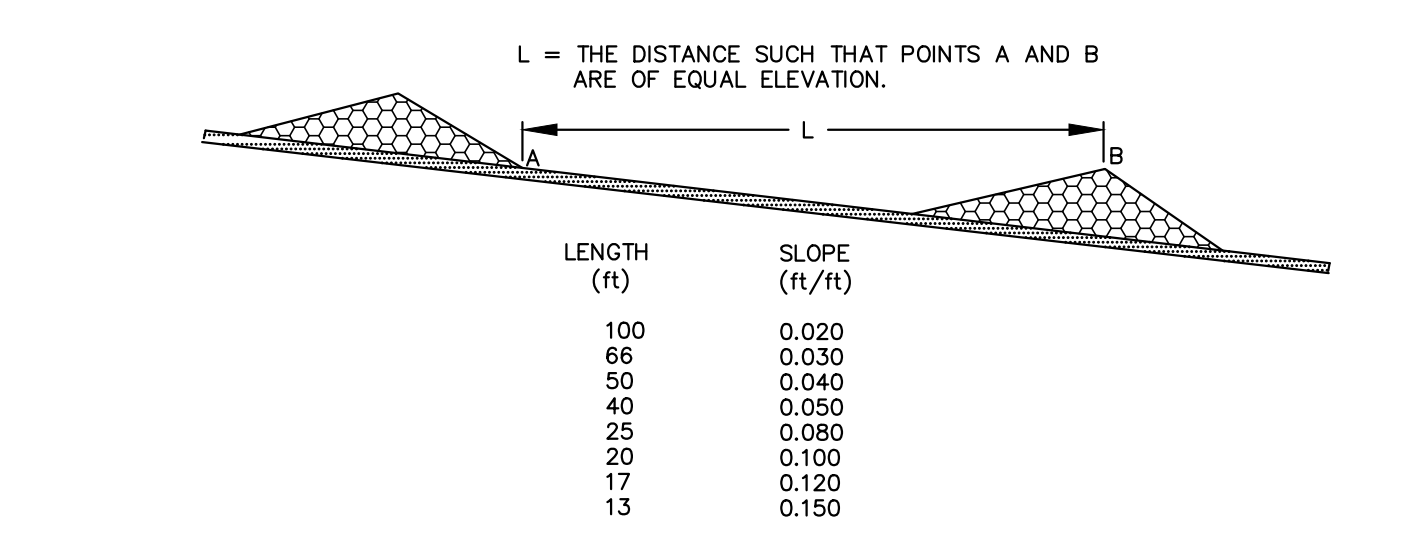
- EROSION CONTROL MIX (ECM)**
 EROSION CONTROL MIX SHALL CONTAIN A WELL-GRADED MIXTURE OF PARTICLE SIZES AND MAY CONTAIN ROCKS LESS THAN 4" IN DIAMETER. EROSION CONTROL MIX SHOULD BE FREE OF REFUSE, PHYSICAL CONTAMINANTS, AND MATERIAL TOXIC TO PLANT GROWTH SUCH AS FLY ASH OR YARD SCRAPING. LARGE PORTIONS OF SILTS, CLAYS OR FINE SANDS ARE NOT ACCEPTABLE IN THE MIX. THE MIX COMPOSITION SHOULD MEET THE FOLLOWING STANDARDS:
 • THE ORGANIC MATTER CONTENT SHOULD BE BETWEEN 80% AND 100% DRY WEIGHT BASIS.
 • PARTICLE SIZE BY WEIGHT SHOULD BE 100% PASSING A 6" SCREEN AND 70% TO 85% PASSING A 0.75" SCREEN.
 • THE ORGANIC PORTION NEEDS TO BE FIBROUS AND ELONGATED.
 • SOLUBLE SALTS CONTENT SHALL BE <4.0 mmhos/cm.
 • THE PH SHOULD BE BETWEEN 5.0 AND 8.0.



- COMPOSITION**
 EROSION CONTROL MIX SHALL BE MANUFACTURED ON OR OFF THE PROJECT SITE SUCH THAT ITS COMPOSITION IS IN ACCORDANCE WITH THE MDEP MAINE EROSION AND SEDIMENT CONTROL BMP MANUAL, LAST REVISED OCTOBER 2016 OR LATER. IT MUST CONSIST PRIMARILY OF ORGANIC MATERIAL, SEPARATED AT THE POINT OF GENERATION, AND MAY INCLUDE: SHREDDED BARK, STUMP GRINDINGS, COMPOSTED BARK, OR ACCEPTABLE MANUFACTURED PRODUCTS. WOOD AND BARK CHIPS, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS WILL NOT BE ACCEPTABLE AS THE ORGANIC COMPONENT OF THE MIX.

- INSTALLATION:**
 1. THE BARRIER MUST BE PLACED ACROSS THE SLOPE, ALONG THE CONTOUR.
 2. EXISTING GROUND SHALL BE PREPARED SUCH THAT THE BARRIER MAY LIE NEARLY FLAT ALONG THE GROUND TO AVOID THE CREATION OF VOIDS AND BRIDGES IN ORDER TO MINIMIZE THE POTENTIAL OF WASH OUTS UNDER THE BARRIER.
 3. THE BARRIER SHALL BE A MINIMUM OF 1 FOOT HIGH (AS MEASURED ON THE UPHILL SIDE) AND 2 FEET WIDE FOR SLOPES LESS THAN 5% IN GRADE AND SHALL BE WIDER TO ACCOMMODATE THE ADDITIONAL RUNOFF.
 4. EROSION CONTROL MIX MAY BE INSTALLED WHERE SILT FENCE IS ILLUSTRATED ON THE DESIGN PLANS IN AREAS EXCEPT IN, BUT NOT LIMITED TO, THE FOLLOWING AREAS: WETLAND AREAS, AT POINTS OF CONCENTRATED FLOW, BELOW CULVERT OUTLET APRONS, AROUND CATCH BASINS AND CLOSED STORM SYSTEMS AND AT THE BOTTOM OF STEEP SLOPES THAT ARE MORE THAN 50 FEET FROM TOP TO BOTTOM.

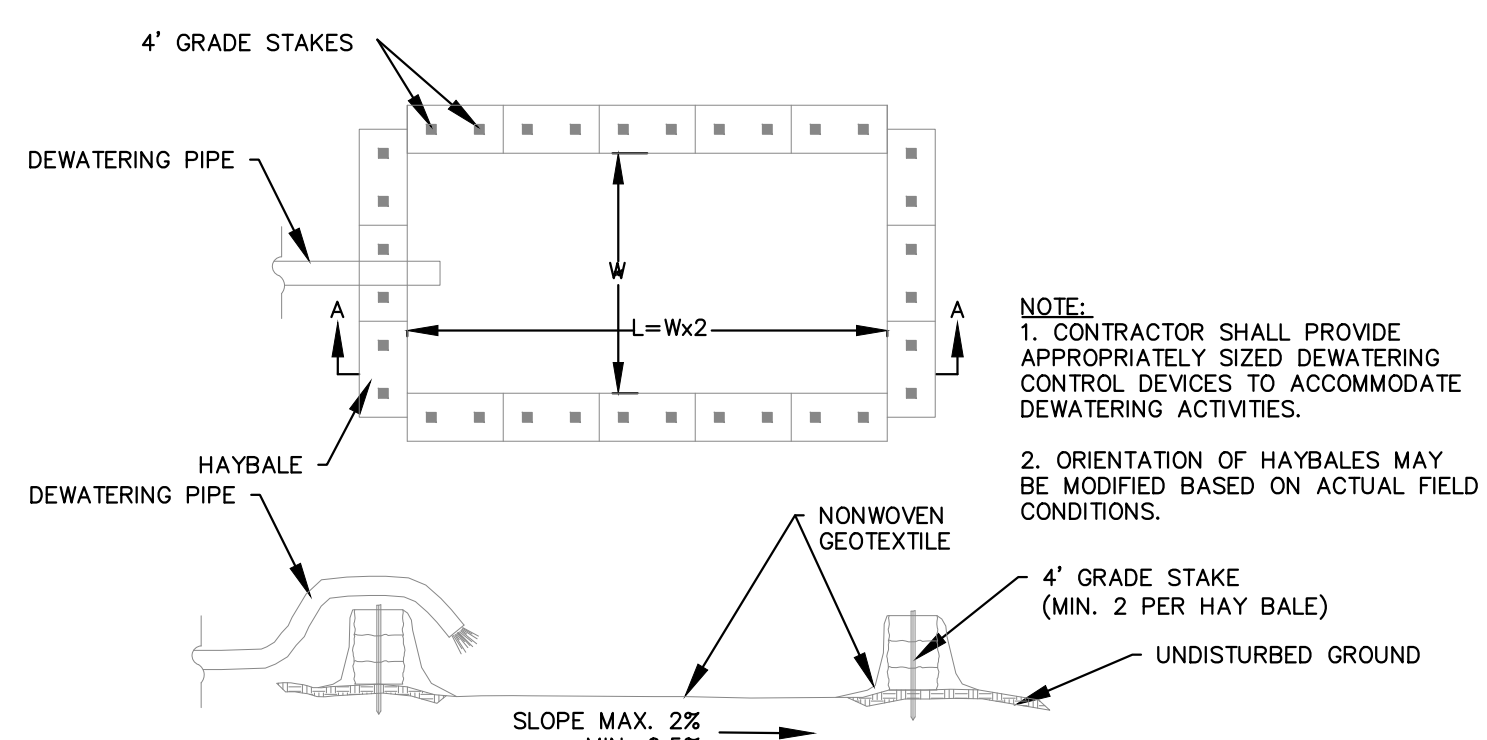
EROSION CONTROL MIX BERM
NOT TO SCALE



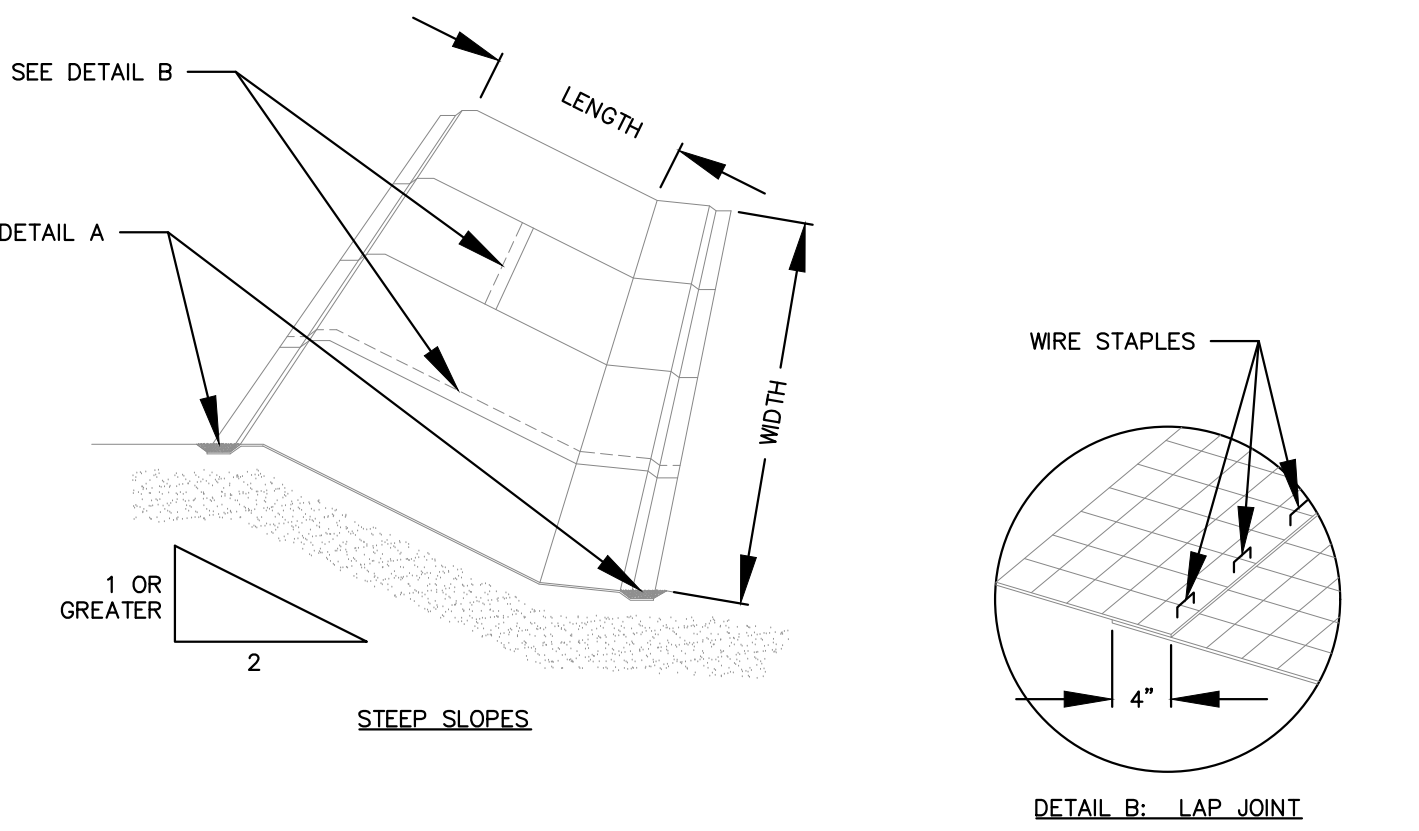
STONE CHECK DAM DETAILS
NOT TO SCALE

L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.

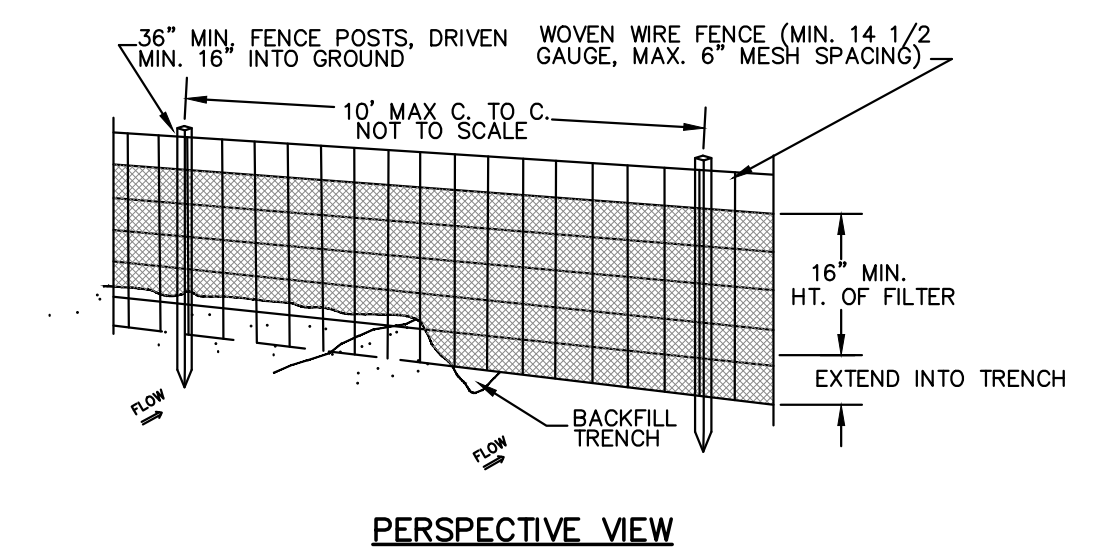
LENGTH (ft)	SLOPE (H/H)
100	0.020
66	0.030
50	0.040
40	0.050
25	0.080
20	0.100
17	0.120
13	0.150



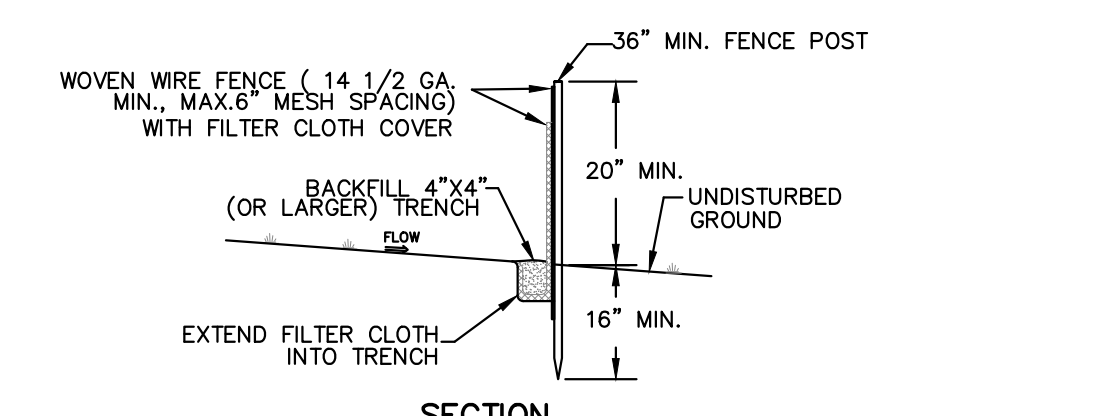
TEMPORARY DEWATERING SEDIMENT BASIN
NOT TO SCALE



SLOPE APPLICATION-FOR EROSION CONTROL MESH
NOT TO SCALE



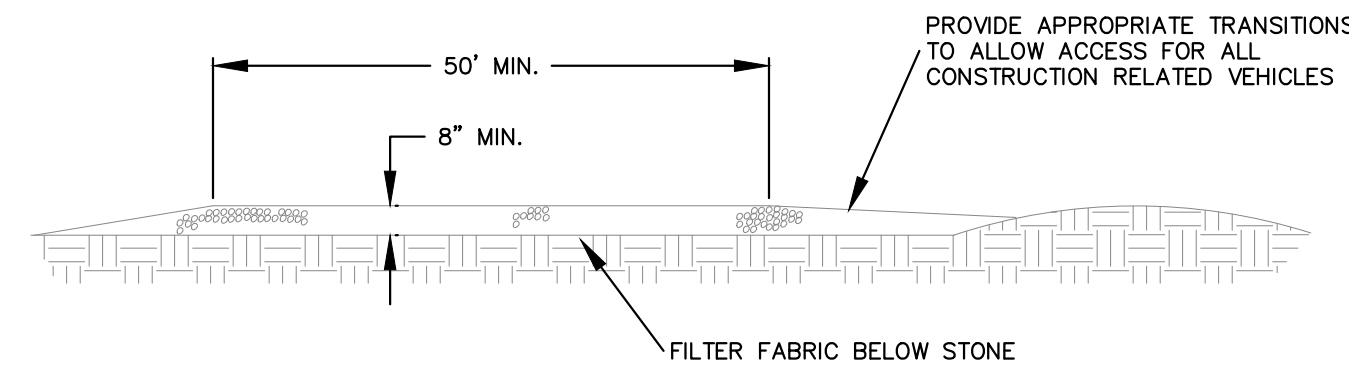
PERSPECTIVE VIEW



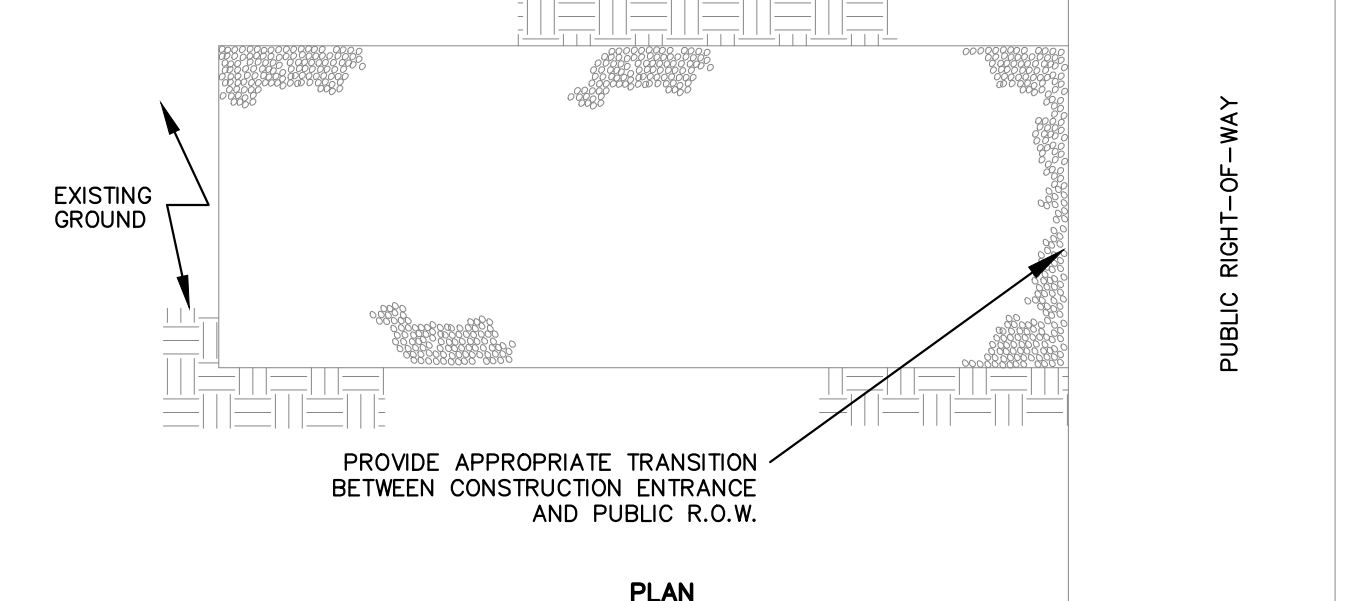
SECTION

- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
NOTE: THE CONTRACTOR HAS THE OPTION TO NOT USE WOVEN WIRE MESH IF STAKE SPACERS ARE REDUCED TO 6" O.C.
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP OF MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 - POSTS: STEEL EITHER 1 OR U TYPE OR 2" HARDWOOD
 - FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING
 - FILTER CLOTH: FILTER X, MARAFI 100X, STABI-LINKA T140N OR APPROVED EQUAL
 - PREFABRICATED UNIT: GEOFAB, ENVROFENCE, OR APPROVED EQUAL

SILT FENCE DETAIL
NOT TO SCALE



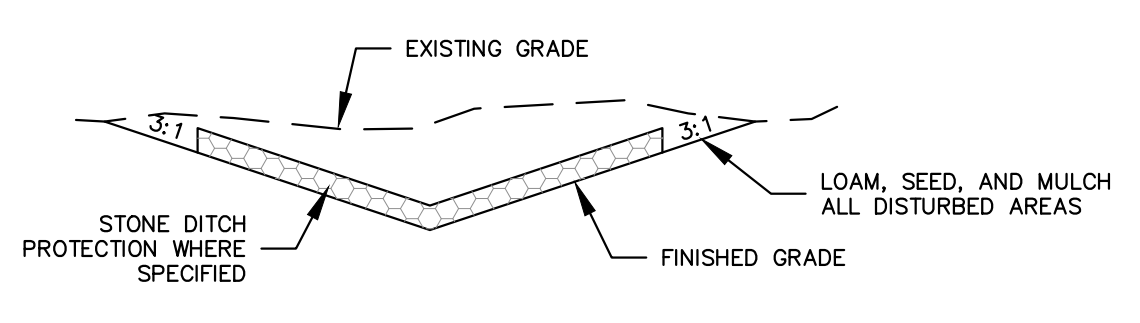
PROFILE



PLAN

- NOTES:
 1. STONE SIZE - USE 2"-3" CRUSHED STONE.
 2. LENGTH - AS SHOWN ON GRADING PLAN, MIN. 50 FEET.
 3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
 4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINT OF INGRESS OR EGRESS.
 5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

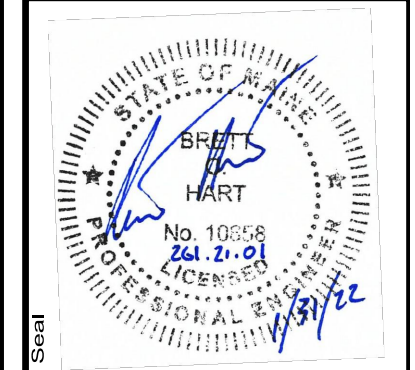
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



TYPICAL DITCH CROSS SECTION
NOT TO SCALE

Scale	
Drawn By	AVD/MS
Checked	JAO
Drawn By	BCH
Date	01/31/2022
Scale	Scale
Project Location	PORTLAND, ME 04101
Project Name	ROUTE 139 UNITY TWP, ME
Approved	BCH
Checked	JAO

THREE CORNERS SOLAR, LLC
 30 DANFORTH ST, SUITE 210
 PORTLAND, ME 04101
ROUTE 139 UNITY TWP, ME
 Drawing Description
DETAILS



261.21.01
Sewall
 ENGINEERING SURVEYING
 The evolution of expertise
 www.sewall.com
 1 800 648-4202

Phase
PERMIT
 Sheet No.
D-1

DRAFT NOT FOR CONSTRUCTION

