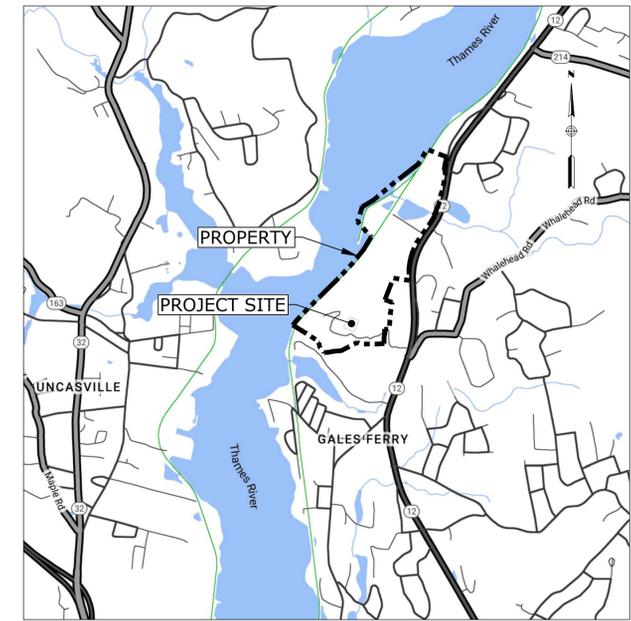


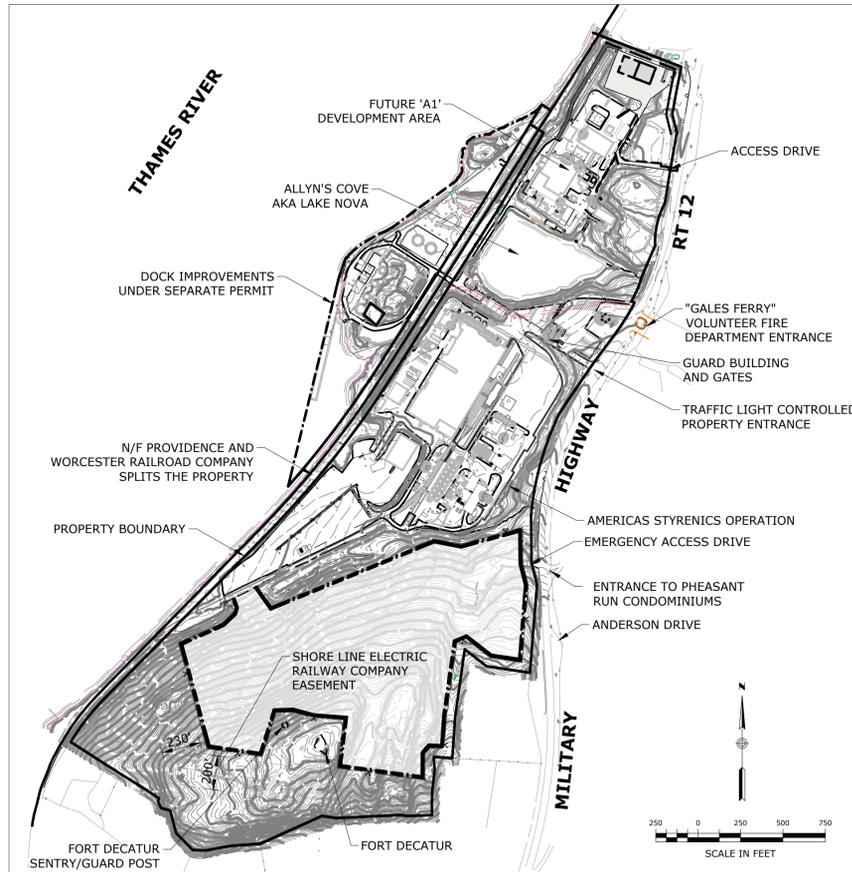
GALES FERRY INTERMODAL INDUSTRIAL SITE PREPARATION PLANS

1737 & 1761 ROUTE 12
GALES FERRY, CT 06335

APRIL 3, 2023



LOCATION MAP
SCALE: 1"=±2,000'



PROPERTY MAP AND ADJACENT FEATURES



DRAWING INDEX		
SHEET NO.	DRAWING	TITLE
1	-	COVER SHEET
2	C-1	NOTES LEGEND AND ABBREVIATIONS
1 of 2	BY CME	PROPERTY AND TOPOGRAPHIC SURVEY
2 of 2	BY CME	PROPERTY AND TOPOGRAPHIC SURVEY
3	C-2	EXISTING CONDITIONS PLAN
4	C-3	OVERALL SITE PLAN
5	C-4	GRADING AND DRAINAGE PLAN
6	C-5	SOIL EROSION & SEDIMENT CONTROL - OVERALL PHASING
7	C-6	SOIL EROSION & SEDIMENT CONTROL - PHASE 1
8	C-7	SOIL EROSION & SEDIMENT CONTROL - PHASE 2
9	C-8	SOIL EROSION & SEDIMENT CONTROL - PHASE 3
10	C-9	SOIL EROSION & SEDIMENT CONTROL - PHASE 4
11	C-10	SOIL EROSION & SEDIMENT CONTROL - FINAL
12	C-11	WETLAND MITIGATION PLAN
13	C-12	DETAILS

PZC PERMIT # _____	DATE OF APPROVAL _____	EXPIRATION DATE _____
PZC CHAIRMAN OR SECRETARY _____	DATE _____	
IWWC PERMIT # _____	DATE OF APPROVAL _____	
IWWC CHAIRMAN _____	DATE _____	

Property Owner / Applicant:

GALES FERRY INTERMODAL LLC
549 SOUTH STREET
QUINCY, MA 02169



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

MAP REFERENCES

- "RIGHT OF WAY AND TRACK MAP OPERATED BY THE NORWICH AND WORCESTER R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM WORCESTER TO GROTON STATION 3379+20 TO STATION 3405+60 TOWN OF LEDYARD, STATE OF CONN." SCALE 1"=50' DATE: JUNE 30, 1915 REVISED THROUGH OCTOBER 9, 1947, OFFICE OF VALUATION ENGINEER, BOSTON MASS. MAP NO. V.5063 / 129.
- "RIGHT OF WAY AND TRACK MAP OPERATED BY THE NORWICH AND WORCESTER R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM WORCESTER TO GROTON STATION 3405+60 TO STATION 32+00, TOWN OF LEDYARD, STATE OF CONN." SCALE 1"=50' DATE: JUNE 30, 1915, OFFICE OF VALUATION ENGINEER, BOSTON MASS. MAP NO. V.5063 / 130.
- "RIGHT OF WAY AND TRACK MAP OPERATED BY THE NORWICH AND WORCESTER R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM WORCESTER TO GROTON STATION 32+00 TO STATION 58+40 TOWN OF LEDYARD, STATE OF CONN." SCALE 1"=50' DATE: JUNE 30, 1915 REVISED THROUGH APRIL 11, 1951, OFFICE OF VALUATION ENGINEER, BOSTON MASS. MAP NO. V.5063 / 131.
- "RIGHT OF WAY AND TRACK MAP OPERATED BY THE NORWICH AND WORCESTER R.R. CO. OPERATED BY THE NEW YORK NEW HAVEN AND HARTFORD R.R. CO. FROM WORCESTER TO GROTON STATION 58+40 TO STATION 84+80 TOWN OF LEDYARD, STATE OF CONN." SCALE 1"=50' DATE: JUNE 30, 1915 REVISED THROUGH APRIL 11, 1951, OFFICE OF VALUATION ENGINEER, BOSTON MASS. MAP NO. V.5063 / 132.

MAP REFERENCES-CONTINUED

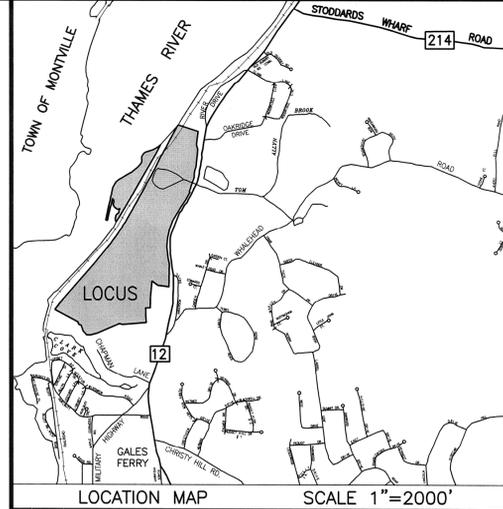
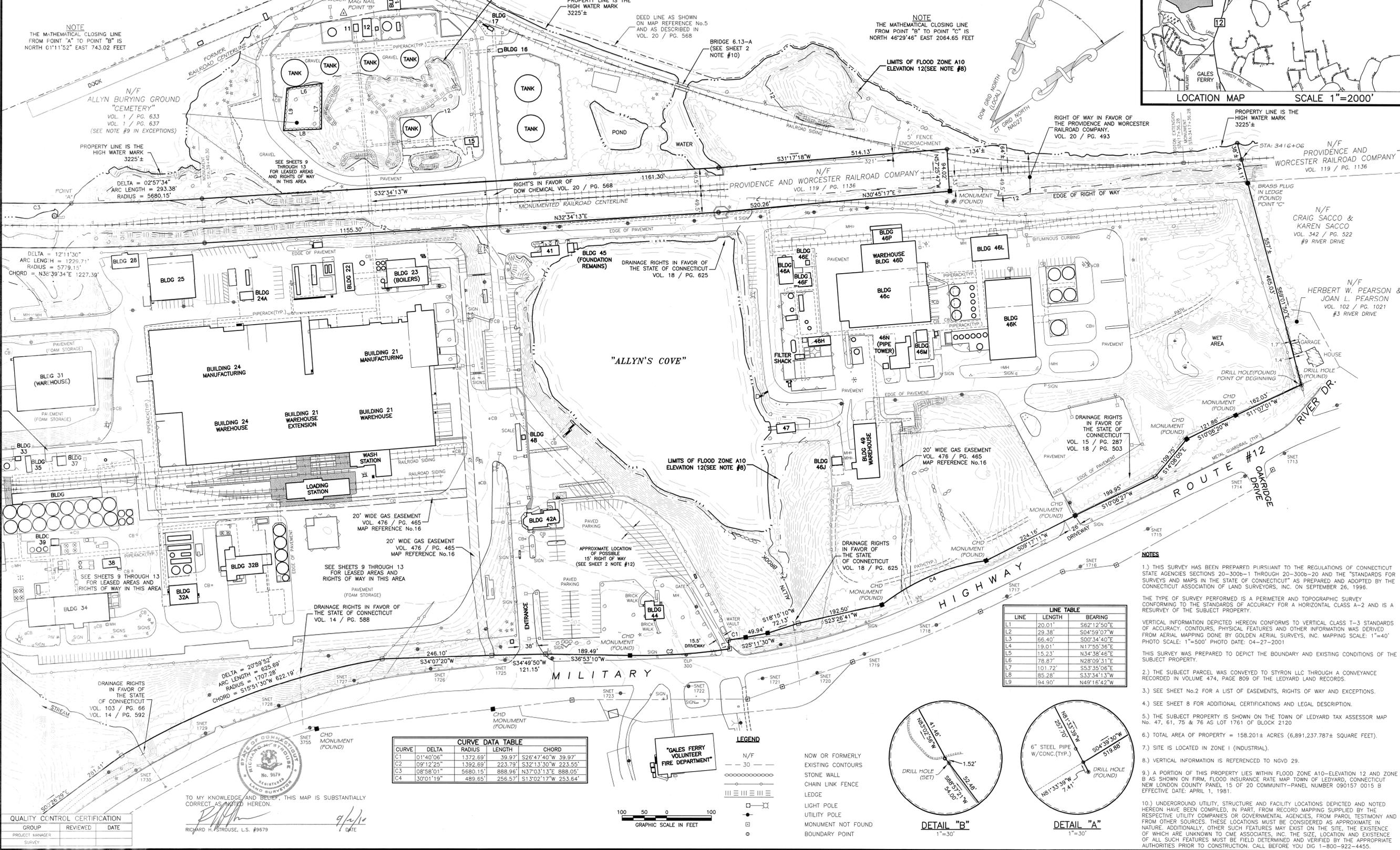
- "NORWICH AND WORCESTER RAILROAD REAL ESTATE & RIGHT OF WAY DEPARTMENT LAND IN LEDYARD, CONN. TO BE CONVEYED TO THE DOW CHEMICAL COMPANY" SCALE 1"=200' DATE: SEPTEMBER 1950 REVISED THROUGH OCTOBER 1950, ON FILE AS MAP NO. BA.
- "LOCATION OF THE RIGHT OF WAY OF THE CONNECTICUT LIGHT & POWER COMPANY ACROSS THE PROPERTY OF THE DOW CHEMICAL COMPANY, TOWN OF LEDYARD, COUNTY OF NEW LONDON, STATE OF CONNECTICUT" SCALE 1"=200' DATE: APRIL 17, 1951.
- "MAP OF PROPERTY OWNED BY THE DOW CHEMICAL COMPANY LOCATED AT ALLYN'S POINT ON THE WEST SIDE OF ROUTE 12 AND EAST OF THE NEW YORK NEW HAVEN & HARTFORD RAILROAD CO. LEDYARD, CONN." SCALE: 1"=100' DATE: JULY 1952 REVISED AUGUST 1953, G.L. BILDERBECK CONSULTING ENGINEERS, NEW LONDON, CONN.
- "MAP SHOWING PROPERTY OWNED BY DOW CHEMICAL COMPANY, ALLYN'S POINT, LEDYARD, CONN." SCALE: 1"=100' DATE: DECEMBER 1953, G.L. BILDERBECK, CONSULTING ENGINEERS, NEW LONDON, CONN. ON FILE AS MAP NO. 43A.

MAP REFERENCES-CONTINUED

- "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF LEDYARD NORWICH-GROTON ROAD FROM ALLYN'S BROOK NORTHERLY TO LEDYARD-PRESTON TOWN LINE" SCALE 1"=40' DATE: NOVEMBER 5, 1957, SHEETS 1 THROUGH 3 OF 9 PROJECT NUMBER: 71-16. THESE MAPS SUPERSEDE PROJECT 71-05, SHEET 3 REVISED AUGUST 25, 1967.
- "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF LEDYARD GROTON-NORWICH ROAD GALES FERRY ROAD TO LEDYARD-PRESTON TOWN LINE" SCALE 1"=40' DATE: NOVEMBER 5, 1957, SHEETS 1 THROUGH 4 OF 4 PROJECT NUMBER 71-15. THESE MAPS SUPERSEDE PROJECT 71-04, SHEET 1 REVISED THROUGH MAY 17, 2004.
- "PLAN SHOWING LANDS NOW AND FORMERLY OF H. WINTHROP HURLBUTT LEDYARD, CONNECTICUT" SCALE 1"=100' DATE: OCTOBER 1964, GEORGE H. DIETER, LAND SURVEYOR, ON FILE AS MAP # 226.
- "PLAN OF PROPERTY TO BE CONVEYED TO THE TOWN OF LEDYARD BY THE DOW CHEMICAL COMPANY, TOWN OF LEDYARD, CONN." SCALE: 1"=100' DATE: APRIL 1972, CHANDLER, PALMER & KING, NORWICH, CONN.

MAP REFERENCES-CONTINUED

- "PLAN SHOWING PARCELS OF LAND WITH BUILDINGS PROPERTY OF JAMES L. LEWIS AND ALICE L. LEWIS, FENWAY AT WEST END CHAPMAN LANE LEDYARD, CONNECTICUT" SCALE 1"=20' DATE: JUNE 1976, GEORGE H. DIETER, LAND SURVEYOR, ON FILE AS MAP # 672.
- "TOPOGRAPHICAL PLAN, PLAN OF A PORTION OF DOW CHEMICAL CO. ALLYN'S POINT PLANT GALES FERRY, CONN." SCALE: 1"=40' DATE: JULY 9, 1984 REVISIONS THROUGH AUGUST 28, 1984, CHANDLER, PALMER & KING, NORWICH, CONN.
- "MONUMENTED PROPERTY SURVEY MAP DEPICTING LAND OF GALES FERRY MARINA, INC. A PORTION OF LAND OF JAMES L. LEWIS AND LUCILLE A. LUPINACCO, CHAPMAN LANE, GALES FERRY, LEDYARD, CONNECTICUT" SCALE: 1"=40' DATE: MARCH 26, 1994 REVISED APRIL 19, 1994, DAVID L. STEIN, LAND SURVEYOR, WESTBROOK, CONNECTICUT, ON FILE AS MAP #1753.
- "COMPILATION PLAN MAP SHOWING EASEMENT AREA TO BE GRANTED TO THE YANKEE GAS SERVICES COMPANY ACROSS THE PROPERTY OF DOW CHEMICAL COMPANY (ALLYN'S POINT PLANT) #1761 ROUTE 12 GALES FERRY-LEDYARD CONNECTICUT SCALE: 1"=60' SHEET 1 OF 1 DATE: 03-04-2010 YANKEE FILE #00048, BY CME ASSOCIATES, INC. ON FILE AS MAP #2629.



NOTE
THE MATHEMATICAL CLOSING LINE FROM POINT "A" TO POINT "B" IS NORTH 61°15'22" EAST 743.02 FEET

DELTA = 12°11'30"
ARC LENGTH = 1229.71'
RADIUS = 5779.15'
CHORD = N36°39'34"E 1227.39'

DELTA = 20°59'52"
ARC LENGTH = 625.69'
RADIUS = 1707.28'
CHORD = S15°51'30"W 622.19'

QUALITY CONTROL CERTIFICATION

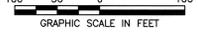
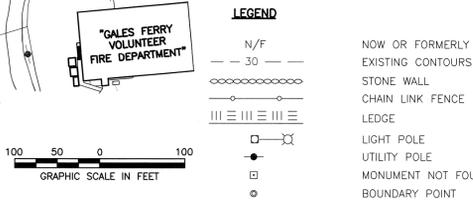
GROUP	REVIEWED	DATE
PROJECT MANAGER		
SURVEY		

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

RICHARD H. STROUSE, L.S. #9679

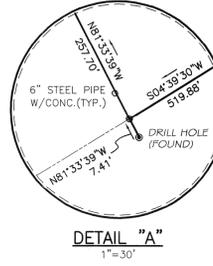
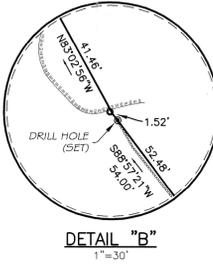
CURVE DATA TABLE

CURVE	DELTA	RADIUS	LENGTH	CHORD
C1	01°40'06"	1372.69'	39.97'	S26°47'40"W 39.97'
C2	09°12'25"	1392.69'	223.79'	S32°13'30"W 223.55'
C3	08°58'01"	5680.15'	888.96'	N37°03'13"E 888.05'
C4	30°01'19"	489.65'	256.57'	S13°02'17"W 253.64'



LINE TABLE

LINE	LENGTH	BEARING
L1	20.01'	S62°12'50"E
L2	29.38'	S04°59'07"W
L3	66.40'	S00°34'40"E
L4	19.01'	N17°55'36"E
L5	15.23'	N34°38'46"E
L6	78.87'	N28°09'31"E
L7	101.72'	S53°35'08"E
L8	85.28'	S33°34'13"W
L9	94.90'	N49°16'42"W



- NOTES**
- THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.
 - THE TYPE OF SURVEY PERFORMED IS A PERIMETER AND TOPOGRAPHIC SURVEY CONFORMING TO THE STANDARDS OF ACCURACY FOR A HORIZONTAL CLASS A-2 AND IS A RESURVEY OF THE SUBJECT PROPERTY.
 - VERTICAL INFORMATION DEPICTED HEREON CONFORMS TO VERTICAL CLASS T-3 STANDARDS OF ACCURACY. CONTOURS, PHYSICAL FEATURES AND OTHER INFORMATION WAS DERIVED FROM AERIAL MAPPING DONE BY GOLDEN AERIAL SURVEYS, INC. MAPPING SCALE: 1"=40' PHOTO SCALE: 1"=500' PHOTO DATE: 04-27-2001
 - THIS SURVEY WAS PREPARED TO DEPICT THE BOUNDARY AND EXISTING CONDITIONS OF THE SUBJECT PROPERTY.
 - THE SUBJECT PARCEL WAS CONVEYED TO STYRON LLC THROUGH A CONVEYANCE RECORDED IN VOLUME 474, PAGE 809 OF THE LEDYARD LAND RECORDS.
 - SEE SHEET NO.2 FOR A LIST OF EASEMENTS, RIGHTS OF WAY AND EXCEPTIONS.
 - SEE SHEET 8 FOR ADDITIONAL CERTIFICATIONS AND LEGAL DESCRIPTION.
 - THE SUBJECT PROPERTY IS SHOWN ON THE TOWN OF LEDYARD TAX ASSESSOR MAP NO. 47, 61, 75 & 76 AS LOT 1761 OF BLOCK 2120
 - TOTAL AREA OF PROPERTY = 158.201± ACRES (6,891,237.787± SQUARE FEET).
 - SITE IS LOCATED IN ZONE I (INDUSTRIAL).
 - VERTICAL INFORMATION IS REFERENCED TO NGVD 29.
 - A PORTION OF THIS PROPERTY LIES WITHIN FLOOD ZONE A10-ELEVATION 12 AND ZONE B AS SHOWN ON FIRM, FLOOD INSURANCE RATE MAP TOWN OF LEDYARD, CONNECTICUT NEW LONDON COUNTY PANEL 15 OF 20 CME ASSOCIATES, INC. 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.

CME Associates, Inc.

CME

32 Crabtree Lane, Woodstock, CT 06281
55 Main Street, Suite 340 Norwich, CT 06360
333 East River Drive, East Hartford, CT 06108
50 Elm Street, Southbridge, MA 01550
Phone 888-291-3227
www.cmeengineering.com

PROPERTY AND TOPOGRAPHIC SURVEY
PREPARED FOR
STYRON LLC
"ALLYN'S POINT PLANT"
#1737 & 1761 MILITARY HIGHWAY - ROUTE 12, GALES FERRY
LEDYARD, CONNECTICUT

REVISIONS

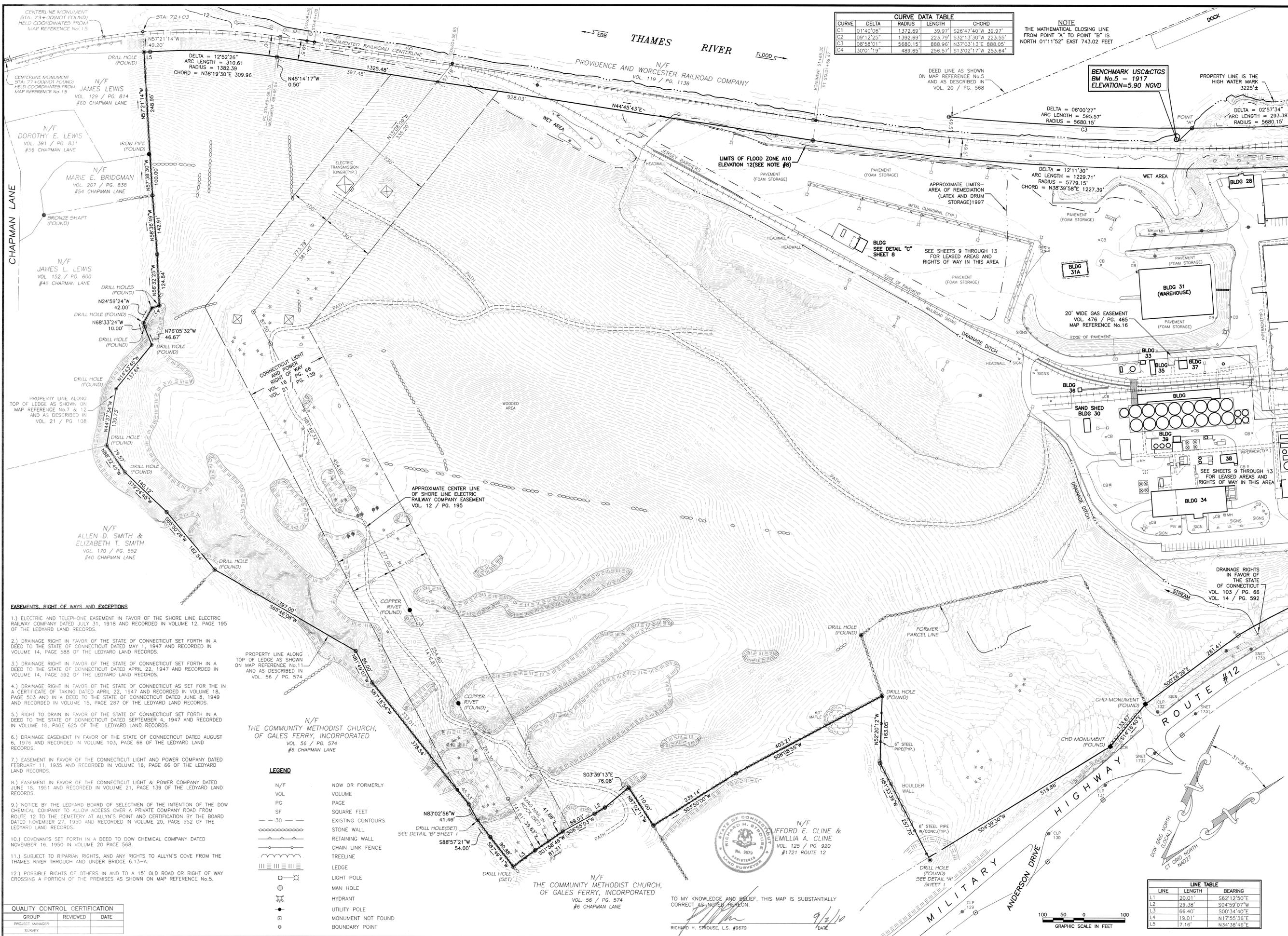
NO.	DATE	DESCRIPTION	BY

JOB DATA

PROJECT	2010063.DWG
BOOK NO.	4173
DESIGNED	
DRAWN	
CHECKED	
CODE FILE	2010063 CB 4-21-2010
FILE	2010063.DWG

DATE: SEPT. 2, 2010
SCALE: 1" = 100'
PROJECT: #2010063

SHEET
1 OF 13



CURVE	DELTA	RADIUS	LENGTH	CHORD
C1	01°40'08"	1372.69'	39.97'	526°47'40"W 39.97'
C2	09°12'25"	1392.69'	223.79'	532°13'30"W 223.55'
C3	08°58'01"	5680.15'	888.96'	N37°03'13"E 888.00'
C4	30°01'19"	489.65'	256.57'	S13°02'17"W 253.64'

NOTE
THE MATHEMATICAL CLOSING LINE FROM POINT "A" TO POINT "B" IS NORTH 01°11'52" EAST 743.02 FEET

BENCHMARK USC&CTGS
BM No.5 - 1917
ELEVATION=5.90 NGVD

DEED LINE AS SHOWN ON MAP REFERENCE No.5 AND AS DESCRIBED IN VOL. 20 / PG. 568

DELTA = 06°00'27"
ARC LENGTH = 595.57'
RADIUS = 5680.15'

DELTA = 02°57'34"
ARC LENGTH = 293.38'
RADIUS = 5680.15'

DELTA = 12°11'30"
ARC LENGTH = 1229.71'
RADIUS = 5779.15'
CHORD = N38°39'58"E 1227.39'

BLDG SEE DETAIL "C" SHEET 8
SEE SHEETS 9 THROUGH 13 FOR LEASED AREAS AND RIGHTS OF WAY IN THIS AREA

SEE SHEETS 9 THROUGH 13 FOR LEASED AREAS AND RIGHTS OF WAY IN THIS AREA

SEE SHEETS 9 THROUGH 13 FOR LEASED AREAS AND RIGHTS OF WAY IN THIS AREA

EASEMENTS, RIGHT OF WAYS AND EXCEPTIONS

- 1.) ELECTRIC AND TELEPHONE EASEMENT IN FAVOR OF THE SHORE LINE ELECTRIC RAILWAY COMPANY DATED JULY 31, 1918 AND RECORDED IN VOLUME 12, PAGE 195 OF THE LEDYARD LAND RECORDS.
- 2.) DRAINAGE RIGHT IN FAVOR OF THE STATE OF CONNECTICUT SET FORTH IN A DEED TO THE STATE OF CONNECTICUT DATED MAY 1, 1947 AND RECORDED IN VOLUME 14, PAGE 588 OF THE LEDYARD LAND RECORDS.
- 3.) DRAINAGE RIGHT IN FAVOR OF THE STATE OF CONNECTICUT SET FORTH IN A DEED TO THE STATE OF CONNECTICUT DATED APRIL 22, 1947 AND RECORDED IN VOLUME 14, PAGE 592 OF THE LEDYARD LAND RECORDS.
- 4.) DRAINAGE RIGHT IN FAVOR OF THE STATE OF CONNECTICUT AS SET FORTH IN A CERTIFICATE OF TAKING DATED APRIL 22, 1947 AND RECORDED IN VOLUME 18, PAGE 503 AND IN A DEED TO THE STATE OF CONNECTICUT DATED JUNE 8, 1949 AND RECORDED IN VOLUME 15, PAGE 287 OF THE LEDYARD LAND RECORDS.
- 5.) RIGHT TO DRAIN IN FAVOR OF THE STATE OF CONNECTICUT SET FORTH IN A DEED TO THE STATE OF CONNECTICUT DATED SEPTEMBER 4, 1947 AND RECORDED IN VOLUME 18, PAGE 625 OF THE LEDYARD LAND RECORDS.
- 6.) DRAINAGE EASEMENT IN FAVOR OF THE STATE OF CONNECTICUT DATED AUGUST 6, 1976 AND RECORDED IN VOLUME 103, PAGE 66 OF THE LEDYARD LAND RECORDS.
- 7.) EASEMENT IN FAVOR OF THE CONNECTICUT LIGHT AND POWER COMPANY DATED FEBRUARY 11, 1935 AND RECORDED IN VOLUME 16, PAGE 66 OF THE LEDYARD LAND RECORDS.
- 8.) EASEMENT IN FAVOR OF THE CONNECTICUT LIGHT & POWER COMPANY DATED JUNE 18, 1951 AND RECORDED IN VOLUME 21, PAGE 139 OF THE LEDYARD LAND RECORDS.
- 9.) NOTICE BY THE LEDYARD BOARD OF SELECTMEN OF THE INTENTION OF THE DOW CHEMICAL COMPANY TO ALLOW ACCESS OVER A PRIVATE COMPANY ROAD FROM ROUTE 12 TO THE CEMETERY AT ALLYN'S POINT AND CERTIFICATION BY THE BOARD DATED NOVEMBER 27, 1950 AND RECORDED IN VOLUME 20, PAGE 552 OF THE LEDYARD LAND RECORDS.
- 10.) COVENANTS SET FORTH IN A DEED TO DOW CHEMICAL COMPANY DATED NOVEMBER 16, 1950 IN VOLUME 20 PAGE 568.
- 11.) SUBJECT TO RIPARIAN RIGHTS, AND ANY RIGHTS TO ALLYN'S COVE FROM THE THAMES RIVER THROUGH AND UNDER BRIDGE 6.13-A.
- 12.) POSSIBLE RIGHTS OF OTHERS IN AND TO A 15' OLD ROAD OR RIGHT OF WAY CROSSING A PORTION OF THE PREMISES AS SHOWN ON MAP REFERENCE No.5.

PROPERTY LINE ALONG TOP OF LEDGE AS SHOWN ON MAP REFERENCE No.11 AND AS DESCRIBED IN VOL. 56 / PG. 574

N/F THE COMMUNITY METHODIST CHURCH, OF GALES FERRY, INCORPORATED VOL. 56 / PG. 574 #6 CHAPMAN LANE

LEGEND

N/F	NOW OR FORMERLY
VL	VOLUME
PG	PAGE
SF	SQUARE FEET
---	EXISTING CONTOURS
---	STONE WALL
---	RETAINING WALL
---	CHAIN LINK FENCE
---	TREELINE
---	LEDGE
○	LIGHT POLE
○	MAN HOLE
○	HYDRANT
○	UTILITY POLE
○	MONUMENT NOT FOUND
○	BOUNDARY POINT

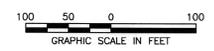
QUALITY CONTROL CERTIFICATION

GROUP	REVIEWED	DATE
PROJECT MANAGER		
SURVEY		

N/F THE COMMUNITY METHODIST CHURCH, OF GALES FERRY, INCORPORATED VOL. 56 / PG. 574 #6 CHAPMAN LANE

N/F RICHARD E. CLINE & EMILIA A. CLINE VOL. 125 / PG. 920 #1721 ROUTE 12

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
RICHARD H. STROUSE, L.S. #9679 DATE 9/2/10



LINE TABLE

LINE	LENGTH	BEARING
L1	20.01'	S62°12'50"E
L2	29.38'	S04°59'07"W
L3	66.40'	S00°34'40"E
L4	19.01'	N17°55'36"E
L5	7.16'	N34°39'46"E

CME Associates, Inc.

CME

32 Crabtree Lane Woodstock, CT 06281
55 Main Street, Suite 340 Norwich, CT 06360
333 East River Drive, East Hartford, CT 06108
50 Elm Street, Southington, MA 01550
Phone 888-291-3227
www.cmeengineering.com

PROPERTY AND TOPOGRAPHIC SURVEY
PREPARED FOR
STYRON LLC
"ALLYN'S POINT PLANT"
#1737 & 1761 MILITARY HIGHWAY - ROUTE 12, GALES FERRY
LEDYARD, CONNECTICUT

JOB DATA

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DRAWN	CB	
CHECKED	RHS	
COCOD FILE	2010063 CB 4-21-2010	
FILE	2010063_BND.dwg	

REVISIONS

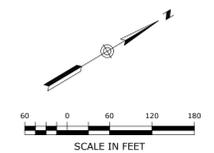
NO.	DATE	DESCRIPTION	BY

DATE: SEPT. 2, 2010
SCALE: 1" = 100'
PROJECT: #2010063

SHEET
2 OF 13



P2C PERMIT # _____	DATE OF APPROVAL _____	EXPIRATION DATE _____
P2C CHAIRMAN OR SECRETARY _____	DATE _____	
IWWC PERMIT # _____	DATE OF APPROVAL _____	
IWWC CHAIRMAN _____	DATE _____	



INDUSTRIAL SITE PREPARATION PLAN:
 EXISTING CONDITIONS PLAN

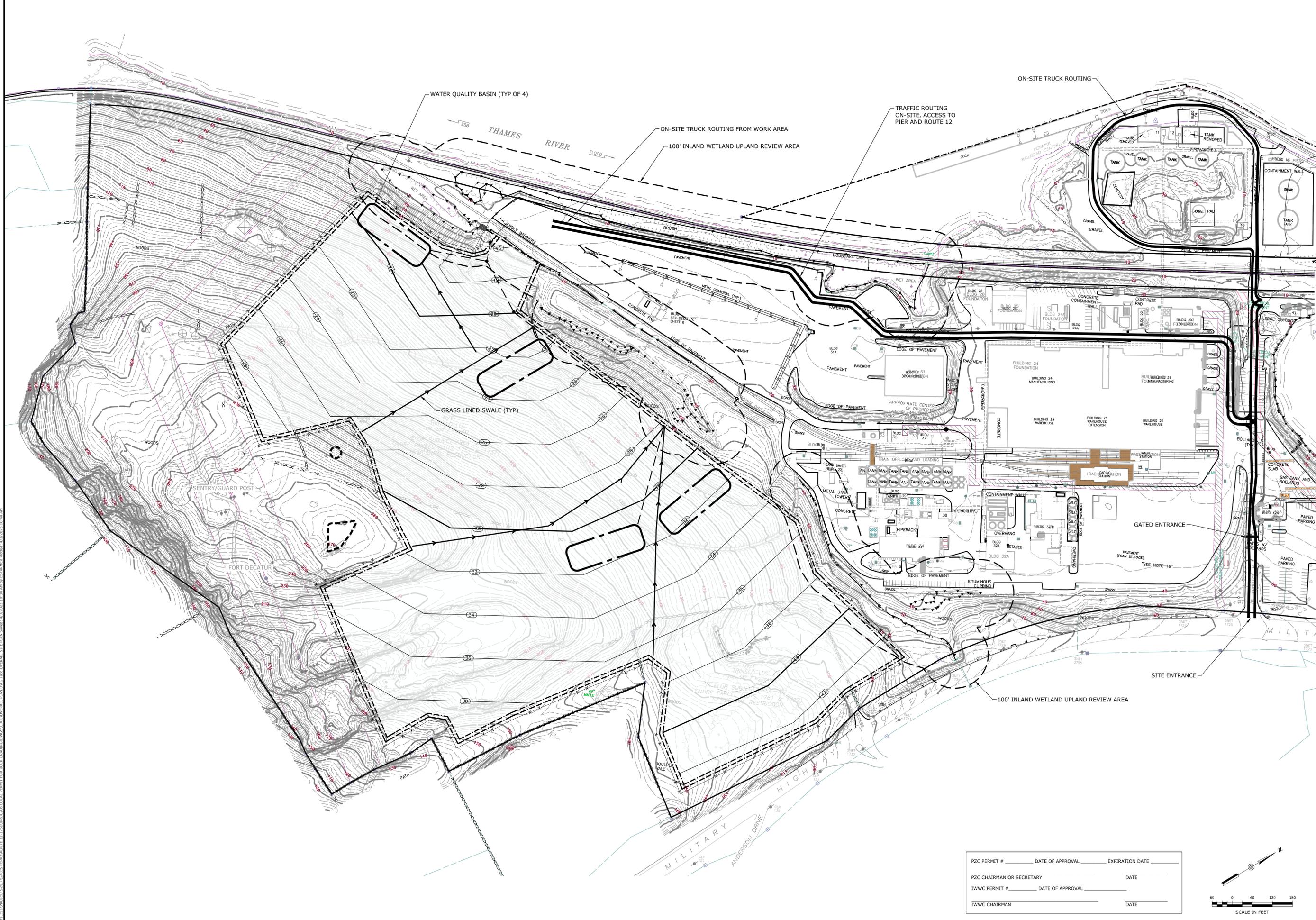
GALES FERRY INTERMODAL
 1757 & 1761 ROUTE 12, GALES FERRY, CT 06335
GALES FERRY INTERMODAL LLC
 389 SOUTH STREET, DANIELSON, CT 06248

DRAWING NO. **C-2**
 SHEET NO. 3 NO. OF SHEETS 13

SCALE 1" = 120'
 CONTA. NO. 0451C2.05
 DATE 04/03/2023
 DRAWN BY ESP
 APPROVED BY SRM

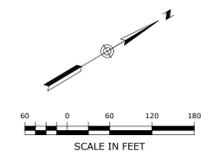
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STATE OF CONNECTICUT
 REGISTERED PROFESSIONAL ENGINEER
 No. 19281
 DATE _____
 DESCRIPTION OF REVISION _____
 REV. _____



W:\PROJECTS\GALES FERRY\ROUTE 12\1215\ASSET\LOCAL PERMIT FOR ROCK GRADING\DWG\OVERALL PLAN.DWG, OVERALL SITE PLAN SHEET, 04/03/2023, 10:38 AM by ESTUARIES, Revised: 04/03/2023, 10:40 AM

P2C PERMIT # _____	DATE OF APPROVAL _____	EXPIRATION DATE _____
P2C CHAIRMAN OR SECRETARY _____	DATE _____	
IWWC PERMIT # _____	DATE OF APPROVAL _____	
IWWC CHAIRMAN _____	DATE _____	



INDUSTRIAL SITE PREPARATION PLAN:
OVERALL SITE PLAN

GALES FERRY INTERMODAL
1797 & 1761 ROUTE 12, GALES FERRY, CT 06335
GALES FERRY INTERMODAL LLC
359 SOUTH STREET, DANIELSON, CT 06248

SCALE 1" = 120'

DRAWN BY: ESP

DATE: 04/03/2023

CONTRACT NO. 0451C2.05

APPROVED BY: SRM

DATE: 04/03/2023

PROFESSIONAL ENGINEER



Loureiro
Loureiro Engineering Associates, Inc.
Water & Facility Services & Laboratory
1000 Main Street, Danvers, VT 05440
Tel: 802-747-0410 Fax: 802-747-8822
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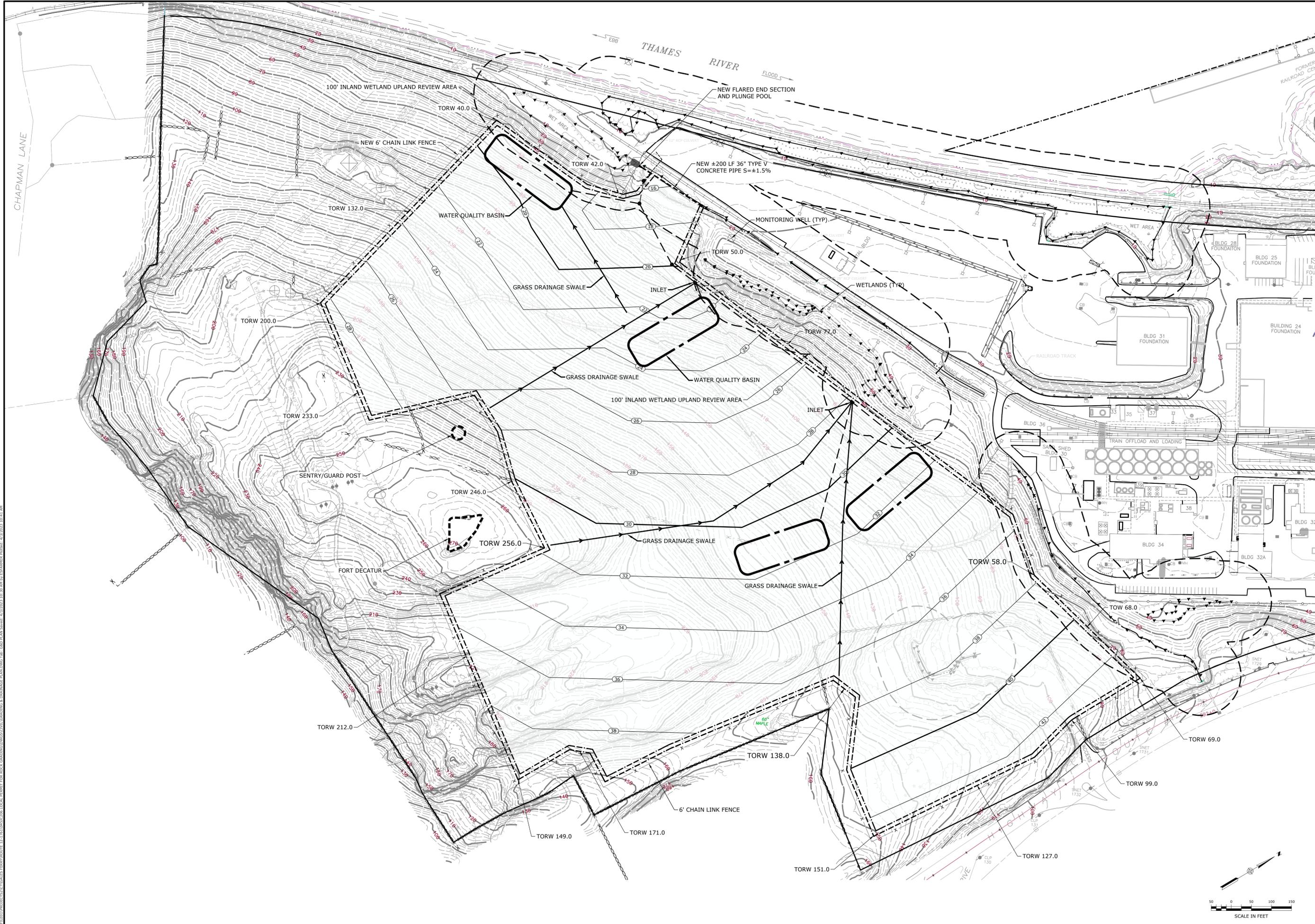
REV.	DESCRIPTION OF REVISION	DATE	APP.

DRAWING

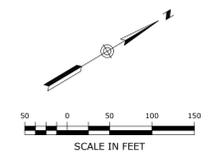
C-3

SHEET NO. 4

NO. OF SHEETS 13



W:\PLANS\PROJECTS\GALES FERRY\ROUTE 12\1215\ASB\LOCAL PREP FOR ROCK GRADING\CONTOUR GRADING & DRAINAGE PLAN.DWG.TB1 CAD PLAN Sheet: 4/17/2023 10:30 AM by ESTABRER.Drew: 4/17/2023 10:44 AM

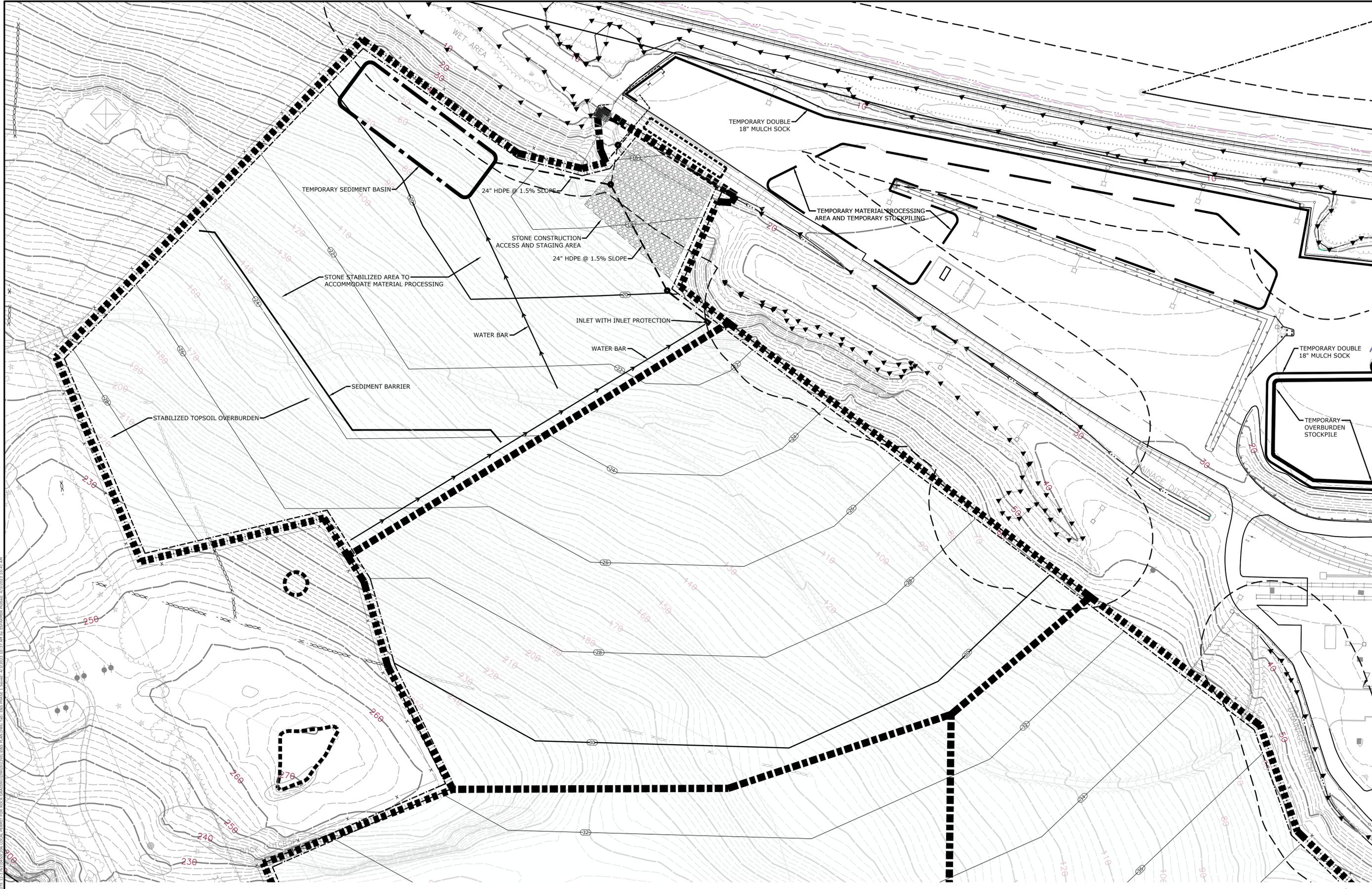


INDUSTRIAL SITE PREPARATION PLAN: GRADING AND DRAINAGE PLAN	
GALES FERRY INTERMODAL 1737 & 1761 ROUTE 12, GALES FERRY, CT 06335	GALES FERRY INTERMODAL LLC 353 SOUTH STREET, DANBURY, CT 06810
SCALE: 1" = 100' DRAWING NO.: 0451C2.016	DATE: 04/03/2023 DRAWN BY: ESP APPROVED BY: SRM
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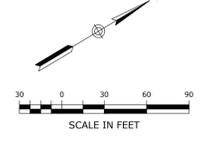
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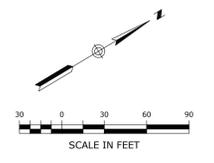


INDUSTRIAL SITE PREPARATION PLAN: SOIL EROSION & SEDIMENT CONTROL - PHASE 1										
<p>GALES FERRY INTERMODAL 1757 & 1761 ROUTE 12, GALES FERRY, CT 06335</p> <p>GALES FERRY INTERMODAL LLC 383 SOUTH STREET, DANVILLE, VA 02819</p>	<p>SCALE: 1" = 60'</p> <p>CRAWL NO. 0451C2.06</p> <p>DATE: 04/03/2023</p> <p>DRAWN BY: ESP</p> <p>APPROVED BY: SRM</p>									
<p>INDUSTRIAL SITE PREPARATION PLAN: SOIL EROSION & SEDIMENT CONTROL - PHASE 1</p> <p>C-6</p> <p>SHEET NO. 7 NO. OF SHEETS 13</p>										
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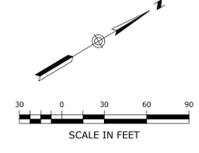


INDUSTRIAL SITE PREPARATION PLAN: SOIL EROSION & SEDIMENT CONTROL - PHASE 3	
GALES FERRY INTERMODAL 1737 & 1761 ROUTE 12, GALES FERRY, CT 06335 GALES FERRY INTERMODAL LLC <small>383 SOUTH STREET, SUITE 101, DANVERS, MA 01923</small>	
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INDUSTRIAL SITE PREPARATION PLAN: SOIL EROSION & SEDIMENT CONTROL - PHASE 4	
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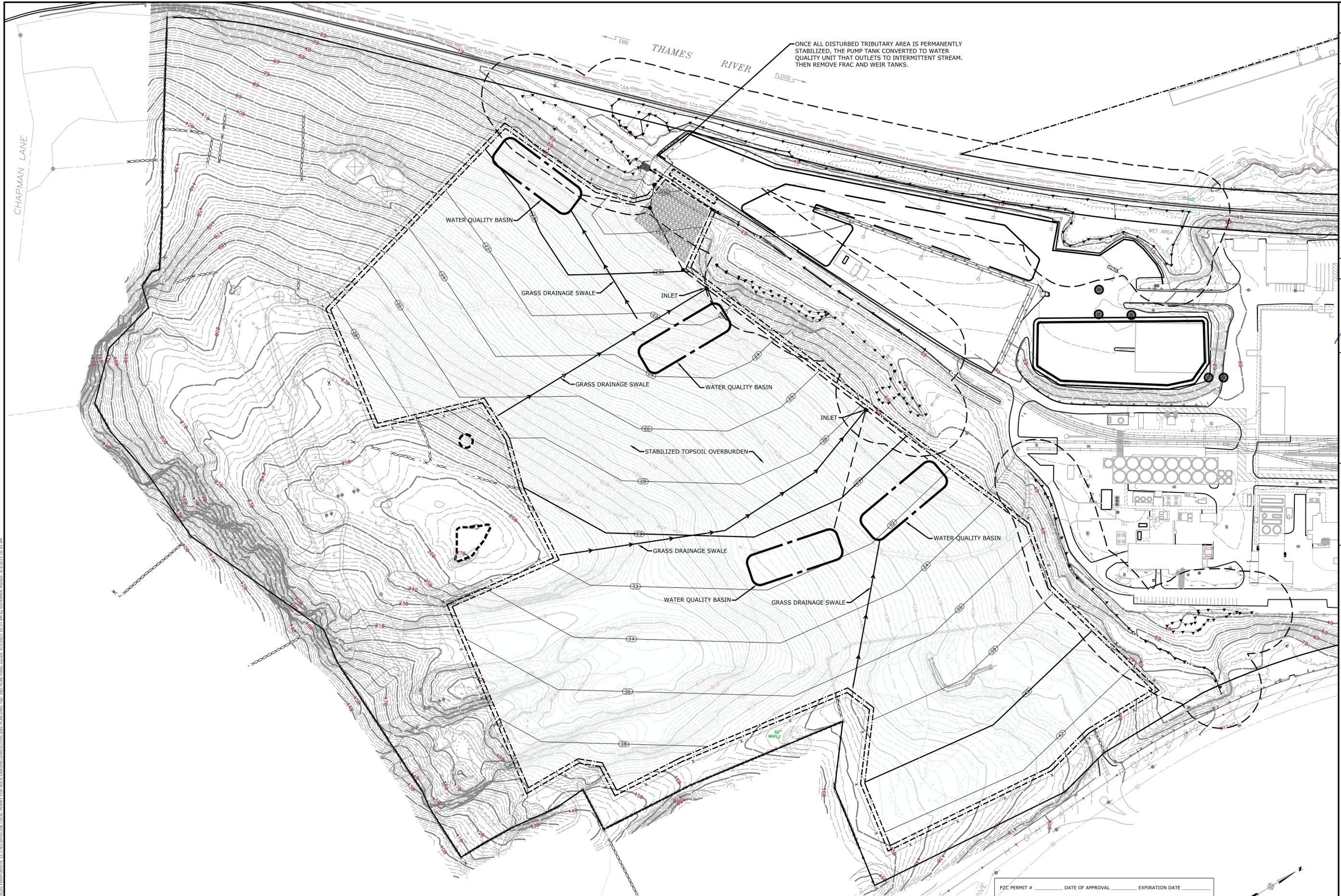
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\\PLT01\PROJECTS\CT\GALES FERRY\ROUTE 12\1215\ASB\LOCAL PERMIT FOR ROCK GRADING\DWG\CUTLINE.PLAN.DWG.TXD: ENG P\AN FINAL SHEET: 4/13/2023 10:37 AM BY: ESTABRHEB.DRW: 4/13/2023 10:42 AM



ONCE ALL DISTURBED TRIBUTARY AREA IS PERMANENTLY STABILIZED, THE PUMP TANK CONVERTED TO WATER QUALITY UNIT THAT OUTLETS TO INTERMITTENT STREAM. THEN REMOVE FRAC AND WEIR TANKS.

**INDUSTRIAL SITE PREPARATION PLAN:
SOIL EROSION & SEDIMENT CONTROL - FINAL**

GALES FERRY INTERMODAL
1737 & 1761 ROUTE 12, GALES FERRY, CT 06335
GALES FERRY INTERMODAL LLC
353 SOUTH STREET, SUITE 101, WASHINGTON, MA 02463

SCALE
1" = 100'

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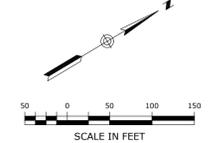
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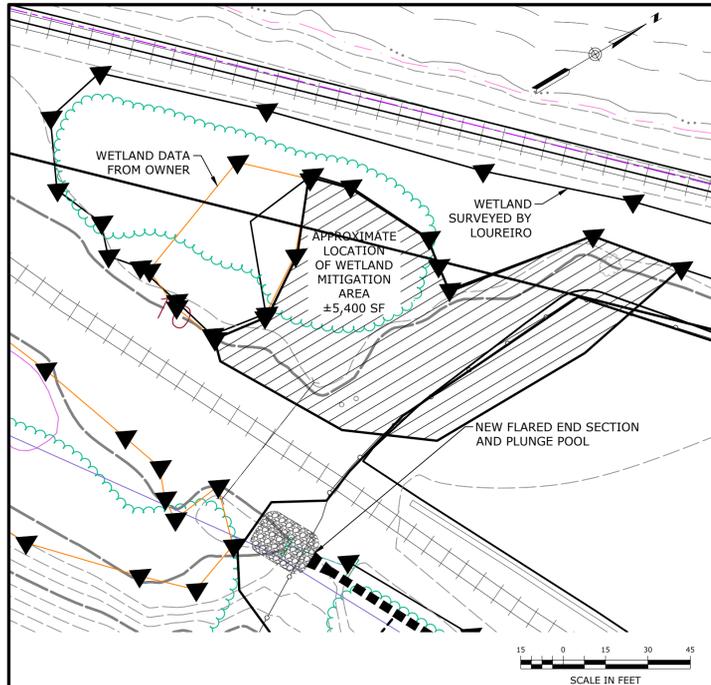
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New England Conservation/Wildlife Mix		
Botanical Name	Common Name	Indicator
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Sorghastrum nutans</i>	Indian Grass	UPL
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Chamaecrista fasciculata</i>	Partridge Pea	FACU
<i>Desmodium canadense</i>	Showy Tick Trefoil	FAC
<i>Asclepias tuberosa</i>	Butterfly Milkweed	NI
<i>Bidens frondosa</i>	Beggar Ticks	FACW
<i>Eupatorium purpureum (Eutrochium maculatum)</i>	Purple Joe Pye Weed	FAC
<i>Rudbeckia hirta</i>	Black Eyed Susan	FACU-
<i>Aster pilosus (Symphyotrichum pilosum)</i>	Heath (or Hairy) Aster	UPL
<i>Solidago juncea</i>	Early Goldenrod	

PRICE PER LB. \$39.50 MIN. QUANTITY 2 LBS. TOTAL: \$79.00 APPLY: 25 LBS/ACRE :1750 sq ft/lb

The New England Conservation/Wildlife Mix provides a permanent cover of grasses, wildflowers, and legumes. For both good erosion control and wildlife habitat value. The mix is designed to be a no maintenance seeding, and is appropriate for cut and fill slopes, detention basin side slopes, and disturbed areas adjacent to commercial and residential projects. New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

Table 3. Herbs							Wetland Creation Area	Totals
Scientific Name	Zone	Common Name	Form	NWI*	Spacing			
Hydrologic Zones: Zone A: Saturated/Shallow inundation; Zone B: seasonally saturated, moist; Zone C: moderately well drained, usually moist; Zone D: well-drained								
<i>Asclepias incarnata</i>	A,B	Swamp milkweed	2" plug	OBL	2'OC	50	50	
<i>Carex lupulina</i>	B	Hop sedge	2" plug	FACW	2'OC	100	100	
<i>Eutrochium purpureum</i>	B	Purple Joe Pye weed	2" plug	FAC	3'OC	50	50	
<i>Juncus canadensis</i>	A,B	Canada rush	2" plug	OBL	2'OC	50	50	
<i>Mimulus ringens</i>	B	Monkey-flower	2" plug	OBL	2'OC	50	50	
<i>Monarda fistulosa</i>	C	Wild bergamot	2" plug	UPL	3'OC	50	50	
<i>Panicum virgatum</i>	C	Switchgrass	2" plug	FAC	3'OC	100	100	
<i>Oenothera sensibilis</i>	C	Sensitive fern	6" pot	FAC	2'OC	20	20	
<i>Vernonia hastata</i>	B	Blue vervain	2" plug	FACW	3'OC	50	50	
<i>Vernonia noveboracensis</i>	B	New York Ironweed	2" plug	FACW	3'OC	50	50	
<i>Zizia aurea</i>	B	Golden alexanders	2" plug	FAC	3'OC	50	50	
Total:						620	620	

* NWI Status (National Wetland Inventory; National Wetland Plant List: Northcentral & Northeast)

- NOTES:**
- Plant between May 15 and June 30 for herbaceous species. July planting will need watering through end of August.
 - Purchased woody material may be installed either in the spring (April 15 to June 15), or in the fall (August 15 to October 15)
 - Plant in same species groupings of three to six shrubs, ten to twenty for herbs
 - Use seed mixes from New England Wetland Plants, Inc., South Hadley, MA (see Table 4), at specified seeding rate.
 - No seeding or plants in 3" diameter circle around each shrub and tree, 1" around plugs; mulch with shredded bark
 - Water and weed as needed during first growing season.

Table 1. Trees							Wetland Creation Area	Totals
Scientific Name	Zone	Common Name	Size	Shade tolerant?	NWI*	Form		
FULL SIZE TREES								
<i>Nyssa sylvatica</i>	B,C	Black gum	4'-6"	Y	FAC	nursery pot	1	1
<i>Quercus palustris</i>	B,C	Pin Oak	4'-6"	Y	FACW	nursery pot	2	2
<i>Acer rubrum</i>	D	Red maple	4'-6"	Y	FACU-	nursery pot	2	2
Total:							5	5
SMALL TREES/LARGE SHRUBS								
<i>Amelanchier canadensis</i>	C,D	Shadblow	3'-4"	Y/N	FAC	nursery pot	2	2
<i>Salix discolor</i>	B,C	Pussy willow	3'-4"	Y	FACW	nursery pot	4	4
<i>Juniperus virginiana</i>	C,D	Red cedar	3'-4"	Y	UPL	nursery pot	8	8
Total:							14	14

Table 2. Shrubs							Wetland Creation Area	Totals
Scientific Name	Zone	Common Name	Size	Shade tolerant?	NWI*	Form		
MEDIUM TO LOW SHRUBS								
<i>Aronia arbutifolia</i>	B,C	Chokeberry	3'-4"	N	FACW	pot	6	6
<i>Clethra alnifolia</i>	B,C	Sweet pepperbush	3'-4"	Y	FAC+	pot	6	6
<i>Corylus americana</i>	C,D	American hazelnut	3'-4"	Y	FACU-	pot	6	6
<i>Ilex verticillata</i>	B,C	Winterberry	3'-4"	Y	FACW+	pot	8	8
<i>Lyonia ligustrina</i>	B,C	Maleberry	3'-4"	Y/N	FACW	pot	8	8
<i>Morella pennsylvanica</i>	C,D	Bayberry	3'-4"	N	FAC	pot	8	8
<i>Vaccinium corymbosum</i>	B	Highbush blueberry	3'-4"	Y	FACW	pot	10	10
<i>Viburnum lentago</i>	C	Nannyberry	3'-4"	Y	FAC	pot	10	10
<i>Spiraea latifolia</i>	B,C	Meadowsweet	3'-4"	N	FAC+	pot	30	30
<i>Swida racemosa</i>	B,C	Gray dogwood	3'-4"	Y	FAC	pot	15	15
<i>Rosa palustris</i>	A	Swamp rose	3'-4"	Y	OBL	pot	5	5
Total:							112	112

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IWCC CHAIRMAN _____ DATE _____

New England Wetmix (Wetland Seed Mix)		
Botanical Name	Common Name	Indicator
<i>Carex vulpinoidea</i>	Fox Sedge	OBL
<i>Carex scoparia</i>	Blunt Broom Sedge	FACW
<i>Carex lurida</i>	Lurid Sedge	OBL
<i>Carex lupulina</i>	Hop Sedge	OBL
<i>Poa palustris</i>	Fowl Bluegrass	FACW
<i>Bidens frondosa</i>	Beggar Ticks	FACW
<i>Scirpus atrovirens</i>	Green Bulrush	OBL
<i>Asclepias incarnata</i>	Swamp Milkweed	OBL
<i>Carex crinita</i>	Fringed Sedge	OBL
<i>Vernonia noveboracensis</i>	New York Ironweed	FACW+
<i>Juncus effusus</i>	Soft Rush	FACW+
<i>Aster lateriflorus (Symphyotrichum lateriflorum)</i>	Starved/Calico Aster	FACW
<i>Iris versicolor</i>	Blue Flag	OBL
<i>Glyceria grandis</i>	American Mannagrass	OBL
<i>Mimulus ringens</i>	Square Stemmed Monkey Flower	OBL
<i>Eupatorium maculatum (Eutrochium maculatum)</i>	Spotted Joe Pye Weed	OBL

PRICE PER LB. \$135.00 MIN. QUANTITY 1 LBS. TOTAL: \$135.00 APPLY: 18 LBS/ACRE :2500 sq ft/lb

The New England Wetmix (Wetland Seed Mix) contains a wide variety of native seeds that are suitable for most wetland restoration sites that are not permanently flooded. All species are best suited to moist ground as found in most wet meadows, scrub shrub, or forested wetland restoration areas. The mix is well suited for detention basin borders and the bottom of detention basins not generally under standing water. The seeds will not germinate under inundated conditions. If planted during the fall months the seed mix will germinate the following spring. During the first season of growth several species will produce seeds while other species will produce seeds after the second growing season. Not all species will grow in all wetland situations. This mix is comprised of the wetland species most likely to grow in created/restored wetlands and should produce more than 75% ground cover in two full growing seasons.

The wetland seeds in this mix can be sown by hand, with a hand-held spreader, or hydro-seeded on large or hard to reach sites. Lightly rake to insure good seed-to-soil contact. Seeding can take place on frozen soil, as the freezing and thawing weather of late fall and late winter will work the seed into the soil. If spring conditions are drier than usual watering may be required. If sowing during the summer months supplemental watering will likely be required until germination. A light mulch of clean, weed free straw is recommended.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

Table 4: Seed Mixes for Wetland Mitigation Area			Total (lbs per seed mix)
Seed Mix	Wetland Creation Area		
NEWP Seed Mix #1	Wetland Creation Area		3
New England Wetmix	<i>(in seasonally saturated to moist areas)</i>		
1 lb/2,500 sf			
NEWP Seed Mix #2	Wetland Creation Area (moist edges)		2
New England Conservation/Wildlife Mix	<i>(also on 3:1 slopes above wetland)</i>		
1 lb/1,750 sf			
TOTAL:			5

NOTES:

- Mix 1:1 with filler (coarse sand, kitty litter) to help correctly divide seed packages and for even spreading.
- Mixes contain seeds with a range of hydrologic tolerances, so different species will thrive in different areas.
- Plants will set seed and spread further, increasing in density, becoming concentrated in most suitable areas.
- Mulch (do not seed) areas under and around plug & shrub clusters, to exclude weeds and hold moisture. (Coverage specified assumes area occupied by mulched woody plantings has been subtracted.)
- A late fall seeding will require 20% more seed, because some seed will be lost to wash off and herbivory, but germination rates will actually be higher the following spring, due to the cold winter stratification of the seed.

Source:
New England Wetland Plants, 14 Pearl Lane, South Bradley, Massachusetts; phone: 413-548-8000

MITIGATION PLAN FOR CREATION OF WETLAND HABITATS

IMPLEMENTATION NOTES

1.0 INTRODUCTION

EMERGENT AND SCRUB-SHRUB WETLAND (I.E., WET MEADOW/MARSH AND SHRUB SWAMP) CREATION BY EXCAVATION, AND HERBACEOUS AND WOODY PLANTINGS, WILL TAKE PLACE AT ONE LOCATION ON THE SUBJECT SITE, AT THE SOUTHWESTERN PORTION OF THE OVERALL PROPERTY, SOUTHERLY OF AN EXISTING PAVED STORAGE AREA, EASTERLY OF EXISTING RAILROAD TRACKS, AND IMMEDIATELY ADJACENT AND TO THE NORTH OF A DELINEATED WETLAND, WHICH DOES NOT HAVE A SURFACE WATER CONNECTION TO THE TIDAL WATERS OF THE THAMES RIVER.

A PORTION OF THE SELECTED WETLAND MITIGATION SITE IS CURRENTLY PAVED. SOILS RANGE FROM WELL DRAINED, TO MODERATELY WELL DRAINED FINE SANDY LOAMS TO LOAMY SAND. BASED ON PRELIMINARY SOIL EXPLORATION THE SITE WAS PREVIOUSLY A WETLAND, WITH A FOOT OR MORE OF FILL PLACED OVER PRE-EXISTING POORLY DRAINED WETLAND SOILS.

THOUGH SOME GOOD-QUALITY NATIVE VEGETATION OF FORESTED WETLAND HABITATS DOMINATE THE ADJACENT EXISTING WETLAND, THE SELECTED CREATION AREA HAS LOW HABITAT VALUE, INCLUDING DOMINANCE BY INVASIVE PLANTS (E.G., MULTIFLORA ROSE, MUGWORT, ASIATIC BITTERSWEET, TREE OF HEAVEN, ETC.).

IN-KIND MITIGATION (I.E., CREATION) IS PROPOSED TO OFF-SET LOST FUNCTIONS & VALUES FROM THE CURRENTLY PROPOSED PERMANENT WETLAND IMPACT (I.E., +/- 1,700 SQUARE FEET) (I.E., "WETLAND Z") THE GOAL IS TO CREATE ECOLOGICAL COMMUNITIES WITH AT LEAST COMPARABLE, AND PREFERABLY HIGHER, FUNCTIONS AND COMPLIMENTARY WETLAND COVER TYPES TO THE WETLAND THAT WOULD BE IMPACTED. THE INITIAL TARGET COVER TYPE RATIO FOR THE WETLAND REPLICATION SHALL BE 1/2 EMERGENT (I.E., WET MEADOW, MARSH) AND 1/2 SCRUB SHRUB HABITATS. APPROXIMATELY 5,400 SQUARE FEET OF PRODUCTIVE WETLAND CAN BE CREATED AT THIS LOCATION.

THE WETLAND CREATION GOAL IS 100% COVER, AND 95% COVER BY NATIVE SPECIES, BY THE END OF THE FIVE-YEAR (5) MONITORING PERIOD. PLANT SPECIES WERE SELECTED TO ENCOMPASS THE FOLLOWING CRITERIA: FOOD PLANTS FOR CATERPILLARS, BEETLES, AND OTHER INSECTS; FRUIT, SEED, AND NUT PRODUCTION IN DIFFERENT SEASONS, INCLUDING PERSISTENT WINTER FRUIT AND SPRING SEEDS, FORAGE FOR VERTEBRATE HERBIVORES; SUITABLE MICRO-HABITATS FOR OVERWINTERING INSECTS; AND NECTAR AND POLLEN THROUGHOUT THE GROWING SEASON (SEE TABLE 3). SPECIES ALREADY PRESENT IN NEARBY WETLAND HABITATS, ESPECIALLY WOODY SPECIES, WERE SELECTED FIRST, AS THEY ARE ALREADY USED BY THE LOCAL FAUNAL ASSEMBLAGE.

2.0 WETLAND CREATION

PREPARATION

- ORDER THE TRAYS OF HERBACEOUS PLUGS AND THE SEED MIX, FOR DELIVERY RIGHT AFTER COMPLETION OF GRADING. STORE IN SHADE WHEN THEY ARRIVE.
- EARTHWORK FOR THE WETLAND CREATION AREA WILL TAKE PLACE IN APRIL /MAY, OR IN AUGUST, SO THAT PLANTINGS CAN BE INSTALLED IMMEDIATELY AFTERWARDS, EITHER IN LATE SPRING OR VERY EARLY FALL SEASONS.
- A MINIMUM OF 10 INCHES OF TOPSOIL (AFTER COMPACTION) SHALL BE USED. SOIL TEXTURE SHALL BE LOAM OR FINER. ORGANIC MATTER CONTENT SHALL BE A MINIMUM OF 10 PERCENT BY WEIGHT (I.E., LOSS AT IGNITION), AS TESTED AT A QUALIFIED LABORATORY (E.G., UNIVERSITY OF CONNECTICUT SOILS LAB).
- IF NECESSARY, WELL-ROTTED LEAF COMPOST (I.E., TWO YEAR MINIMUM) WILL BE ADDED TO BRING THE PERCENT ORGANIC MATTER TO THE DESIRED SPECIFICATION.
- A ONE TO TWO INCH THICK "TOP-DRESSING" SHALL BE APPLIED TO THE FINAL GRADE AT THE CREATION AREA, EXCEPT IN AREAS WITH PROPOSED INUNDATION, CONSISTING OF LEAF COMPOST (2-YEAR OLD, MINIMUM).
- ADD ORGANIC, SLOW-RELEASE FERTILIZER OR OTHER AMENDMENT ONLY AS INDICATED BY THE SOIL TEST RESULTS. **NOTE** THAT NUTRIENT LEVELS SHOULD BE LOWER FOR NATURAL HABITATS THAN FOR AGRICULTURAL OR HORTICULTURAL SITES, TO PREVENT EXCESSIVE COMPETITION BY RANK WEEDS.
- INSTALL PERIMETER EROSION CONTROLS AROUND THE MITIGATION AREAS AS SHOWN ON PLAN. CORRECTLY TRENCHED AND STAKED SILT FENCE PER THE 2002 CONNECTICUT EROSION & SEDIMENTATION CONTROL GUIDELINES (2002 GUIDELINES).

EARTHWORK

- CLEAR AND GRUB THE WETLAND MITIGATION AREA.
 - REMOVE THE EXISTING TOPSOIL FROM THESE LOCATIONS & PLACE IN A DESIGNATED SOIL STOCKPILE AREA, AT LEAST FIFTY FEET AWAY. **IMPORTANT NOTE: THE TOPSOIL FROM THE MITIGATION AREA SHALL NOT BE USED, BECAUSE IT IS HEAVILY INFESTED WITH INVASIVE PLANT SPECIES.**
- SUBSOIL FROM CERTAIN PORTIONS OF THE WETLAND REPLICATION AREA, WITH HIGHER POTENTIAL FOR INVASIVE SPECIES, WILL BE TRUCKED TO OTHER UPLAND PARTS OF THE SITE, AND COULD BE STOCKPILED FOR USE IN AREAS OF MAINTAINED LAWN.
- EXCAVATION, GRADING, AND TRANSPANTING** WILL TAKE PLACE UNDER THE DIRECTION OF THE WETLAND SCIENTIST. GRADING WILL BE BASED ON CONDITIONS OBSERVED AT THE FIELD BY THE WETLAND SCIENTIST WHO MAY MAKE SMALL IN-FIELD ADJUSTMENTS TO ACHIEVE THE DESIRED WETLAND HYDROLOGY.
- GRADING FOR THE WETLAND REPLICATION AREA WILL ENTAIL THE REMOVAL OF FILL OVER PRE-EXISTING WETLANDS. THE DEPTH OF MATERIALS TO BE REMOVED, BEFORE TOPSOIL IS PLACED, WILL RANGE FROM APPROXIMATELY ONE FOOT TO OVER FIVE FEET.
- NO MACHINERY WILL BE ALLOWED WITHIN THE WETLAND CREATION AREAS WHERE TOPSOIL HAS BEEN PLACED.
- SPECIAL PROTECTIVE MEASURES SHALL BE IMPLEMENTED TO ALLOW FOR THE DISCHARGE OF SURFACE RUNOFF FROM AN EXISTING CULVERT WHICH DIRECTS WATER TO THIS THE MITIGATION AREA UNDER THE RAILROAD TRACKS, FROM A DELINEATED AREA TO THE EAST. THIS MAY INCLUDE HAYBALE CHECK DAMS REINFORCED WITH WIRE FENCING TO ENSURE THAT FLOWS WILL NOT ERODE THE MITIGATION AREA WHILE VEGETATION IS BEING ESTABLISHED. WE NOTE THAT THIS CULVERT, WHICH IS LIKELY FULLY OR PARTIALLY CLOGGED, WILL PROVIDE FOR SOME OF THE EXPECTED HYDROLOGY FOR THE CREATED WETLAND.

PLANTINGS

- ORDER THE WOODY PLANTING MATERIALS** FOR DELIVERY DURING THE PLANTING WINDOWS LISTED ABOVE (MID TO LATE SPRING OR EARLY FALL). STORE IN SHADE WHEN THEY ARRIVE AND INSTALL WITHIN THREE DAYS OF DELIVERY. MAKE SURE THAT ALL DESIRED SPECIES ARE AVAILABLE AT TIME OF ORDERING. WETLAND SCIENTIST SHALL APPROVE ANY SUBSTITUTIONS.
- CHECK DELIVERY.** MAKE SURE SPECIES, SIZES, AND QUANTITIES ARE AS SPECIFIED.
- INSTALL THE PURCHASED WOODY MATERIALS FIRST, THEN THE HERBACEOUS PLUGS.**
- WOODY PLANTINGS AND LARGE HERBACEOUS PERENNIALS** (SEE TABLE 1 THROUGH TABLE 3) SHALL BE PLANTED IN SAME-SPECIES CLUSTERS, TWO TO THREE FEET APART FOR HERBACEOUS PERENNIALS, FIVE TO SIX FEET APART, FOR SHRUBS, TEN FEET APART FOR SMALL TREE SEEDLINGS/SAPLINGS. LARGER TREES SHALL BE NO CLOSER THAN EIGHT FEET FROM A SHRUB OR SMALL TREE.
- DIG HOLES BY HAND TO MINIMIZE COMPACTION OF SOIL. MECHANICAL AUGERS ARE PROHIBITED. WATER HOLES BEFORE PLANTING, UNLESS SOIL IS ALREADY MOIST. ADD SLOW-RELEASE FERTILIZER (OSMOCOTE, MILORGRANITE OR EQUIVALENT) TO PLANTING HOLE. PLACE PLANTS INTO HOLES AND REPLACE SOIL, SO THAT THERE IS FULL COVERAGE OF ROOTS, WITH NO AIR SPACES AND LEVEL SOIL AROUND THE PLANT. HOLES SHALL BE OVERSIZED (2X THE ROOT MASS DIAMETER) AND BACKFILLED WITH LOCAL TOPSOIL OR EXTRA TOPSOIL IN AN OVERSIZED TRANSPLANT POT (NOT SUBSOIL REMOVED FROM BOTTOM PART OF HOLE).
- MULCH WITH A THREE-INCH LAYER OF WELL-ROTTED HARDWOOD MULCH TO REDUCE COMPETITION FROM MEADOW VEGETATION IN A THREE-FOOT DIAMETER CIRCLE. LEAVE A GAP OF THREE INCHES AROUND EACH TRUNK. FORM SAUCERS AROUND ALL MULCHED TREE AND SHRUB PLANTINGS. TWO TO THREE INCHES HIGH. 3/8" ACROSS FOR NURSERY STOCK. WATER RIGHT AFTER PLANTING.
- HERBACEOUS PLUGS:** PLANT IN MID TO LATE AFTERNOON, OR UNDER SHADY CONDITIONS, WATER IMMEDIATELY AFTER PLANTING. SPACE PLUGS 24 TO 36 INCHES APART, PER PLAN (SEE TABLE 3) IN THE BARE SOIL AREAS, AND SPREAD SHREDDED LEAF MULCH IN A SIX-INCH CIRCLE AROUND EACH PLUG. PLANT IN SAME-SPECIES GROUPINGS OF VARIABLE SIZE AND SHAPE.
- SEEDING:** AFTER MIXING 1:1 WITH NON-CLUMPING KITTY LITTER (CLAY BASED), SPREAD SEED OVER BARE SOIL AREAS, AVOIDING MULCHED CIRCLES AROUND PLUGS. SEEDING RATE SHALL BE HALF THAT SPECIFIED FOR THE MIX. IF GERMINATION RATES ARE LOW, OVER-SEED IN FALL IN YEAR 2.
- FOR SPRING SEEDING IN MOIST, BUT NOT SATURATED SOIL, LIGHTLY RAKE IN SEED (LESS THAN 1/4" INCH DEEP), TAMP DOWN, AND LIGHTLY MULCH WITH STRAW (FREE OF SEEDS) TO HOLD MOISTURE FOR GERMINATION. FOR FALL SEEDING, WAIT UNTIL AFTER HARD FROST; SEED MAY SIMPLY BE SOWN. SNOW AND FROST WILL INCORPORATE INTO THE SOIL. NOTE THAT COLD STRATIFICATION WILL INCREASE GERMINATION RATES OF SOME SPECIES IN A FALL SEEDING, BUT MORE SEEDS WILL ALSO BE EATEN BY WILDLIFE OR WASHED AWAY. IF SOIL IS SATURATED, BROADCAST ON SOIL SURFACE WITHOUT RAKING.
- SPREAD A THIN LAYER OF WEED-FREE STRAW MULCH OVER ALL SEEDED AREAS WITHOUT STANDING WATER, ALLOWING FOR SOME LIGHT PENETRATION.
- FOR PLUGS IN THE WET MEADOW AND FOR SEED GERMINATION, WATERING SEVERAL TIMES A WEEK IS ESSENTIAL. IN DRY WEATHER, FOR IRRIGATION, SET UP A PUMP DRAWING ON LOCAL WATER, OR FROM A WATER TANK BROUGHT TO THE SITE.

3.0 PROTECTION FROM HERBIVORY

- WOODY PLANTINGS WILL BE MONITORED DURING THE FIRST AND SECOND GROWING SEASONS AFTER PLAN IMPLEMENTATION FOR EXCESSIVE HERBIVORY. IF OBSERVED, THE WETLAND ECOLOGIST MAY PROPOSE ADDITIONAL CONTROLS/METHODS TO REDUCE HERBIVORY. DEER FENCE MAY BE CONSIDERED, AS THE MITIGATION AREA IS RELATIVELY SMALL.
- AS AN INITIAL CONTROL, THE ORGANIC, SLOW-RELEASE FERTILIZER MILORGRANITE SHALL BE USED AT EACH SHRUB/TREE PLANTING, AND ALONG THE PERIMETER OF EACH OF THE MITIGATION AREAS. THIS FERTILIZER IS A MILD TO MODERATE DETERRENT TO HERBIVORY BY DEER. APPLICATION OF MILORGRANITE SHALL TAKE PLACE THREE TIMES DURING THE FIRST GROWING SEASON. SHOULD A DETERRENT BE NECESSARY.

4.0 INITIAL FOLLOW-UP AND MAINTENANCE

- PROMPT SEEDING AND HAY MULCH APPLICATION FOLLOWING INITIAL GRADING IS KEY, TO PREVENT EROSION OF EXPOSED, RECENTLY GRADED SOILS. GRADING OF WETLAND CREATION AREAS SHOULD BE TIMED TO PRECEDE A FORECAST RAIN-FREE PERIOD, ENCOMPASSING THE SCHEDULED PLANTING DAY.
- PERIMETER SEDIMENT CONTROLS. MAINTAIN PER THE 2002 CT E&S GUIDELINES. CHECK AFTER EACH RAIN MORE THAN ONE INCH. REMOVE SILT FENCE AS SOON AS GROUND IS VEGETATED (>80% COVER) TO PREVENT IMPEDING ANIMAL MOVEMENT TO AND FROM ADJACENT SEASONALLY FLOODED AND SATURATED WETLANDS. SEDIMENT COLLECTED BY THESE DEVICES WILL BE REMOVED AND PLACED UPLAND IN A MANNER THAT PREVENTS ITS EROSION AND TRANSPORT TO A WATERWAY OR WETLAND.
- IRRIGATION: WATER ALL SEEDED AREAS, PLANTINGS AND/OR TRANSPLANTS AT LEAST WEEKLY IN DROUGHT PERIODS. MORE FREQUENT WATERING WILL INCREASE PLANTINGS' SUCCESS. FOR PLUGS, MORE FREQUENT WATERING COULD BE NEEDED.
- WEED CONTROL**
 - FOR 2-3 SEASONS FOLLOWING PLAN IMPLEMENTATION, CONTROL WEEDS IN A THREE-FOOT DIAMETER CIRCLE AROUND WOODY PLANTINGS. NECESSARY FREQUENCY WILL DEPEND ON RAINFALL AND SOIL SEED BANK, BUT AT LEAST MONTHLY FROM MAY TO JULY. MULCH HELPS CONTROL WEEDS, BUT IS NOT SUFFICIENT. THE SEED MIX AND OTHER NATURAL COLONIZERS NEEDS TO GERMINATE AND SPROUT IN THE MATRIX AROUND THE WOODY PLANTINGS.
 - AT TIME OF PLANTING MARK EACH PLANTED SHRUB OR TREE WITH A FOUR-FOOT TALL "SNOW STAKE" OR "DRIVEWAY MARKER" WITH REFLECTOR TAPE. THESE SHALL BE REMOVED AT THE END OF THE MONITORING PERIOD, BUT WILL ASSIST IN FINDING THEM. SHOULD TALL HERBACEOUS VEGETATION BEGIN TO OBTURSCURE THEM.
 - FOR CONTROL OF SMALL SEEDLINGS USE A HOE.
 - FOR LARGER WEEDS USE A WEED WHACKER (POLE HEDGE TRIMMER).
 - LANDSCAPER SHALL FOLLOW DIRECTION OF WETLAND SCIENTIST WHO SHALL PROVIDE INITIAL GUIDANCE, BUT NEED NOT REMAIN ON SITE DURING MAINTENANCE.
 - THE WETLANDS PROFESSIONAL WILL POINT OUT TO THE LANDSCAPER CERTAIN WEEDS LIKE MUGWORT, WHICH IS PREVALENT IN PORTIONS OF THE SITE, WHICH ARE BEST PULLED, TO WEAKEN ROOT SYSTEM AND REDUCE NEEDED FREQUENCY FOR WEEDING.
 - OUTSIDE THE THREE-FOOT DIAMETER CIRCLE, WEED ONLY SELECTED UNDESIRABLE COLONIZING PLANTS, INCLUDING INVASIVE SPECIES. THE WETLANDS PROFESSIONAL SHALL TRAIN THE LANDSCAPER TO RECOGNIZE AND AVOID NATIVE SPECIES SUCH AS GOLDENRODS, SUMACS, AND VIRGINIA CREEPER. INITIALLY, FLAG DESIRABLE NATIVE SPECIES AS A TRAINING AID; ALSO, FOLLOWING ANY PERSONNEL CHANGES.

6.0 INVASIVE PLANT CONTROL

- THE ECOLOGIST/WETLANDS PROFESSIONAL WILL FLAG WOODY INVASIVES TO BE REMOVED IN THE VICINITY OF THE WETLAND REPLICATION AREA (I.E., WITHIN 25 FEET) AT THE TIME OF PLAN IMPLEMENTATION, AND PREFERABLY JUST PRIOR TO ANY EARTHWORK.
- AS NEEDED, CONTROL USING TARGETED, RATHER THAN BROADCAST HERBICIDE APPLICATION METHODS. FOR SPRING TREATMENT, CUT EARLY IN GROWING SEASON (LATE APRIL TO MID MAY) AND TREAT SMALL RESPROUTS IN EARLY SUMMER USING A LOW VOLUME SPRAYER. IN EARLY FALL USE THE CUT-AND-PAINT METHOD, APPLYING HERBICIDE TO A REPLICENT CUT STEM (WITHIN 10 MINUTES) ON BROADLEAF INVASIVES. USE A SELECTIVE HERBICIDE LIKE TRICLOPYR (FOUND IN BRUSH-B-GON, GARLON 3A OR 4A, AND OTHER PRODUCTS), RATHER THAN BROAD-SPECTRUM GLYPHOSATE, TO MINIMIZE IMPACTS ON NON-TARGET PLANTS AND SOIL FAUNA.
- INVASIVE PLANT CONTROL WITHIN THE AREAS OF WETLAND REPLICATION SHALL TAKE PLACE FOR **FOUR (4) YEARS** FOLLOWING THE YEAR OF PLAN IMPLEMENTATION (I.E., YEAR 2 THROUGH YEAR 5), FOLLOWING THE PROCEDURES PROMULGATED BY THE CT DEEPS CONNECTICUT INVASIVE PLANT WORKING GROUP (CIPWG), AND/OR THE NATURE CONSERVANCY.

7.0 MONITORING

- INSPECTIONS AT THE WETLAND REPLICATION AREA SHALL BE CONDUCTED BY A QUALIFIED WETLANDS PROFESSIONAL OR ECOLOGIST DURING THE GROWING SEASON, THE THREE MONTHS FOLLOWING INSTALLATION (I.E., YEAR ONE), AND TWICE DURING EACH OF THE **FOUR (4) NEXT GROWING SEASONS**, ONCE IN LATE MAY THROUGH JUNE, AND ONCE IN EARLY FALL. ADDITIONAL INSPECTIONS MAY BE NECESSARY AT THE DISCRETION OF THE WETLANDS PROFESSIONAL TO ENSURE THE SUCCESS OF THE WETLAND CREATION.
- DURING INSPECTIONS, CHECK MITIGATION AREA FOR SEEDLINGS OF THE FOLLOWING INVASIVE SPECIES AND MECHANICALLY REMOVE: JAPANESE KNOTWEED, COMMON REED, MORROWS HONEYSUCKLE, AUTUMN OLIVE, MULTIFLORA ROSE, ASIATIC BITTERSWEET, JAPANESE BARBERRY, GLOSSY BUCKTHORN, BURNING BUSH, TREE-OF-HEAVEN, MUGWORT, AND GARLIC MUSTARD. INSPECTIONS SHALL BE DONE BY THE WETLANDS PROFESSIONAL, WHO COULD ALSO IDENTIFY OTHER INVASIVE PLANT SPECIES, BUT PERSONNEL TRAINED BY THE PROFESSIONAL IN IDENTIFICATION OF INVASIVE SEEDLINGS MAY ASSIST WITH MECHANICAL REMOVAL (WEEDING).
- COMPETING PLANTS:** IF THE WETLANDS PROFESSIONAL DETERMINES THAT EXCESSIVE NUMBERS OF SEEDLINGS OF A PARTICULAR NATIVE SPECIES HAVE GERMINATED ON SITE (E.G., CATTAIL), REMOVE THEM BY HOING OR HAND PULLING. COLONIZATION BY A VARIETY OF NATIVE SPECIES IS EXPECTED AND IS DESIRABLE.
- REMEDIAL MEASURES** SUCH AS REPLACEMENT PLANTINGS, HYDROLOGIC ADJUSTMENTS, AND DEER BROWSING PROTECTION, MAY BE RECOMMENDED AND SUPERVISED BY THE WETLANDS PROFESSIONAL AND IMPLEMENTED BY THE PROPERTY OWNER/MANAGER, FOR SIGNIFICANT PROBLEMS.
- A BRIEF REPORT TO THE TOWNS INLAND WETLANDS AND WATERCOURSES AGENCY WILL SUBMITTED BY NOVEMBER 30TH OF THE MONITORING YEAR.

INDUSTRIAL SITE PREPARATION PLAN: WETLAND MITIGATION PLAN

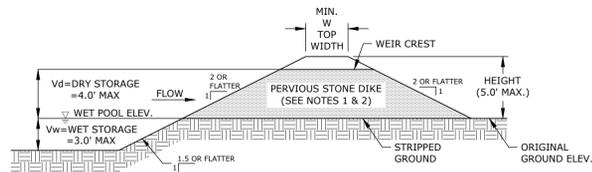
GALES FERRY INTERMODAL 1757 & 1761 ROUTE 12, GALES FERRY, CT 06335

GALES FERRY INTERMODAL LLC 349 SOUTH STREET, DANBURY, CT 06810

DRAWING C-11

SHEET NO. 12 NO. OF SHEETS 13

DATE 04/03/2023



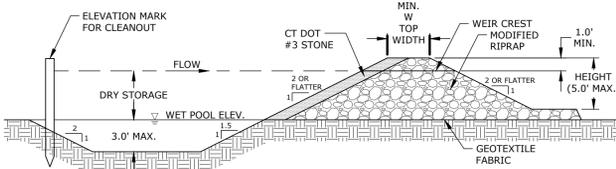
TYPICAL CROSS-SECTION

TOP WIDTH VS. HEIGHT

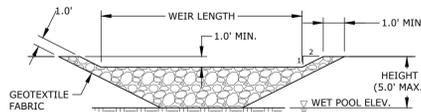
H = HEIGHT OF EMBANKMENT
W = MIN. TOP WIDTH OF EMBANKMENT

H (ft)	W (ft)
1.5	2.0
2.0	2.0
2.5	2.5
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5

- NOTES:
1. PERVIOUS STONE DIKE SHALL BE CONSTRUCTED OF CT DOT MODIFIED RIPRAP WITH #3 STONE ON FACE.
 2. NON-OVERFLOW PORTIONS AND ABUTMENTS OF TEMPORARY SEDIMENT TRAP MAY BE CONSTRUCTED OF COMPACTED EARTH FILL.



OUTLET CROSS-SECTION

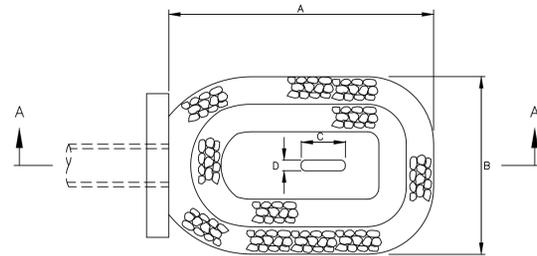


SPILLWAY DETAIL

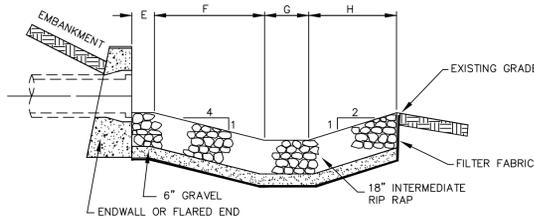
TEMPORARY SEDIMENT TRAP SHALL BE SIZED BASED ON A MINIMUM OF 134 CUBIC YARDS OF WATER STORAGE PER ACRE DRAINED, A MINIMUM WET STORAGE VOLUME EQUAL TO HALF OF THE TOTAL STORAGE VOLUME AND A MINIMUM DRY STORAGE VOLUME EQUAL TO HALF OF THE TOTAL STORAGE VOLUME.

TEMPORARY SEDIMENT TRAP DETAIL

SCALE: NONE



Plan

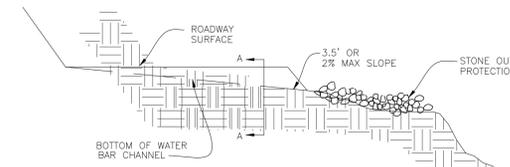


Section A-A

PIPE SIZE	A	B	C	D	E	F	G	H
15"	10'	7'	1 1/2'	1'	1'	4 1/2'	1 1/2'	3'
18"	12'	8'	2'	1'	1'	5'	2'	4'
21"	13'	9'	2 1/2'	1 1/2'	1'	7'	2 1/2'	4 1/2'
24"	17'	10'	2 1/2'	1 1/2'	1'	8'	2 1/2'	5 1/2'
30"	20'	13'	3'	2'	2'	9'	3'	6'
36"	22'	16'	3 1/2'	2'	2'	9 1/2'	3 1/2'	7'

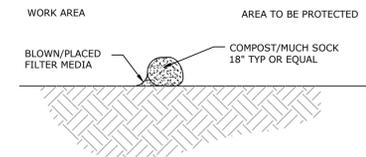
PLUNGE POOL

NOT TO SCALE



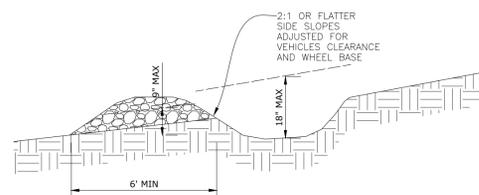
WATER BAR DETAIL

NOT TO SCALE



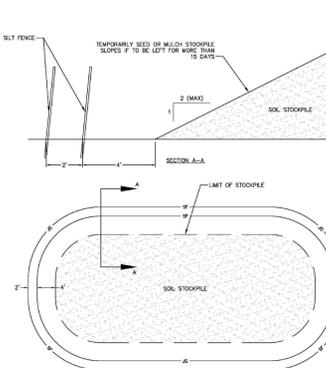
COMPOST/MULCH SOCK DETAIL

NOT TO SCALE



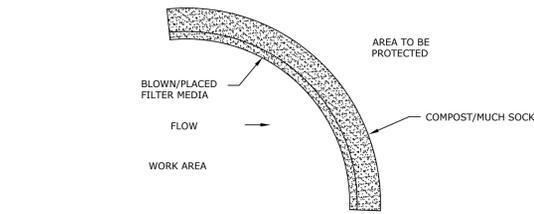
TEMPORARY SOIL STOCKPILE DETAIL

NOT TO SCALE



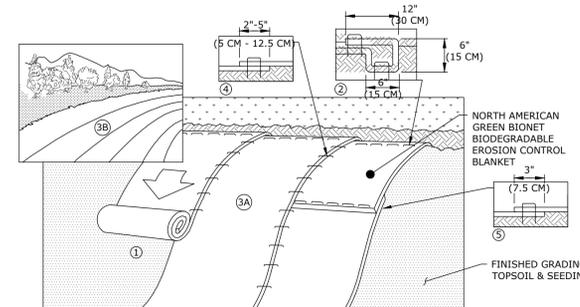
TEMPORARY SOIL STOCKPILE DETAIL

NOT TO SCALE



COMPOST/MULCH SOCK DETAIL

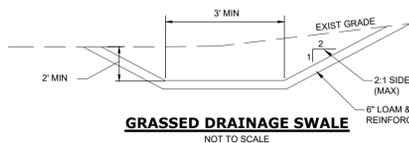
NOT TO SCALE



EROSION CONTROL BLANKET DETAIL

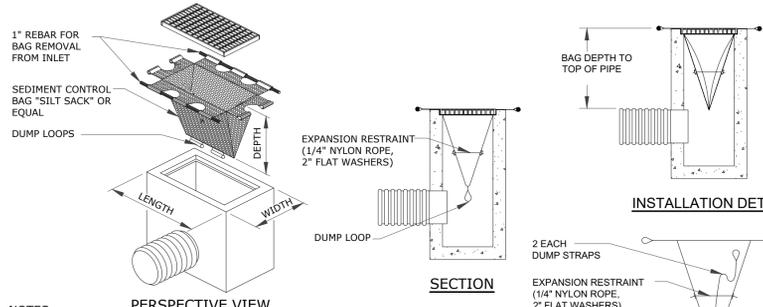
NOT TO SCALE

- NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15CM), DEEP X 6" (15CM), WIDE TRENCH WITH APPROXIMATELY 12" (30CM) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30CM) APART ACROSS THE WIDTH OF THE BLANKET. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM), MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5CM-12.5CM) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH™ ON THE PREVIOUSLY INSTALLED BLANKET. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30CM) APART ACROSS ENTIRE BLANKET WIDTH.
 5. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5CM-12.5CM) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH™ ON THE PREVIOUSLY INSTALLED BLANKET. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30CM) APART ACROSS ENTIRE BLANKET WIDTH.



GRASSED DRAINAGE SWALE

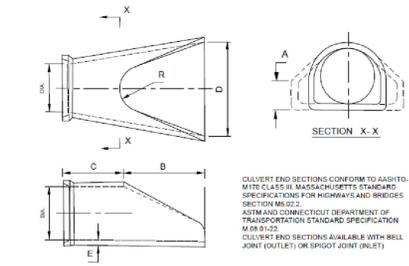
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CATCH BASIN FILTER (SILT SACK) DETAIL

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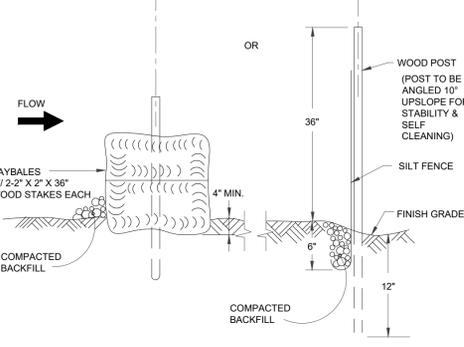
- NOTES:
1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CORRECT SIZE DEVICE FOR EACH INLET. FOR NON-STANDARD CATCH BASINS AND INLETS, THE CONTRACTOR SHALL MEASURE DIMENSIONS IN THE FIELD AND ORDER THE APPROPRIATE SIZE(S).
 2. THE INLET SEDIMENT CONTROL DEVICE SHALL BE OF HIGH FLOW DESIGN (200 GAL/MIN/FT), AS PER THE MANUFACTURER'S SPECS.
 3. THE SEDIMENT CONTROL DEVICE SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND CLEANED AND MAINTAINED A MINIMUM ONCE PER MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT. THE FILTER SHALL BE REPLACED OR CLEANED WHEN THE BAG BECOMES HALF FULL. THE FILTER SHALL BE CLEANED IN A MANNER WHICH ENSURES THAT ALL SEDIMENT REMAINS ON SITE.
 4. SUBSTITUTION OF A SHEET OF FILTER FABRIC PLACED OVER THE OPENING OF THE INLET IS NOT APPROVED.
 5. RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS, SIZE OF FILTER INLET SACK TO BE DETERMINED BY MANUFACTURER.
 6. THE FILTER DEVICE SHALL BE MANUFACTURED BY ACF ENVIRONMENTAL OR APPROVED EQUAL.



FLARED END SECTION

SCALE: NONE

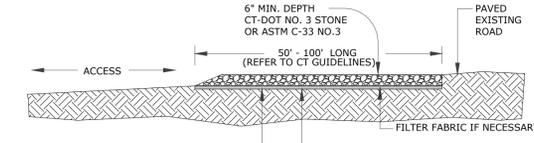
OSA	A	B	C	D	E	F
12"	4"	2.5"	2.5"	2.5"	2"	2"
15"	5"	3.5"	3.5"	3.5"	2.5"	2.5"
18"	6"	4.5"	4.5"	4.5"	3"	3"
21"	7"	5.5"	5.5"	5.5"	3.5"	3.5"
24"	8"	6.5"	6.5"	6.5"	4"	4"
27"	9"	7.5"	7.5"	7.5"	4.5"	4.5"
30"	10"	8.5"	8.5"	8.5"	5"	5"
33"	11"	9.5"	9.5"	9.5"	5.5"	5.5"
36"	12"	10.5"	10.5"	10.5"	6"	6"
39"	13"	11.5"	11.5"	11.5"	6.5"	6.5"
42"	14"	12.5"	12.5"	12.5"	7"	7"
45"	15"	13.5"	13.5"	13.5"	7.5"	7.5"
48"	16"	14.5"	14.5"	14.5"	8"	8"
51"	17"	15.5"	15.5"	15.5"	8.5"	8.5"
54"	18"	16.5"	16.5"	16.5"	9"	9"
57"	19"	17.5"	17.5"	17.5"	9.5"	9.5"
60"	20"	18.5"	18.5"	18.5"	10"	10"



TYPICAL SEDIMENT BARRIER DETAIL

SCALE: NONE

- INSTALLATION NOTES FOR HAY BALES:
1. PLACE HAY BALES ON CONTOUR AND WITH LAST HAY BALES UPSLOPE TO THAT TOP OF LAST SEVERAL HAY BALES ARE HIGHER THAN LINE OF HAY BALES.
 2. EXCAVATE TRENCH 4" MIN. AND PLACE FILL UPSLOPE OF TRENCH.
 3. PLACE HAY BALE AND STAKE FIRST STAKE AT ANGLE TOWARDS FIRST BALE. STAKES ARE 18" MIN. INTO GROUND.
 4. WEDGE LOOSE HAY BETWEEN BALES.
 5. BACKFILL & COMPACT EXCAVATED FILL ALONG UPHILL SIDE OF HAY BALE.



LONGITUDINAL SECTION

PLAN

NOTE: ALL ANTI-TRACKING PADS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH 2002 CT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL, AS AMENDED.

ANTI-TRACKING PAD DETAIL

NOT TO SCALE

PZC PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____

PZC CHAIRMAN OR SECRETARY _____ DATE _____

IWWC PERMIT # _____ DATE OF APPROVAL _____

IWWC CHAIRMAN _____ DATE _____

Reference: 2002 CT Guidelines for Erosion and Sediment Control, DEEP Bulletin 34, Figure CE-2

INDUSTRIAL SITE PREPARATION PLAN: DETAILS

GALES FERRY INTERMODAL
1757 & 1761 ROUTE 12, GALES FERRY, CT 06335
389 SOUTH STREET, DANBURY, CT 06810

SCALE: AS NOTED
AS NOTED
DATE: 04/03/2023
DRAWN BY: SRN
APPROVED BY: GFA

DATE: 04/03/2023
REV.:

DESCRIPTION OF REVISION

DATE

APPR.

NO. OF SHEETS: 13

SHEET NO.: 13

C-12