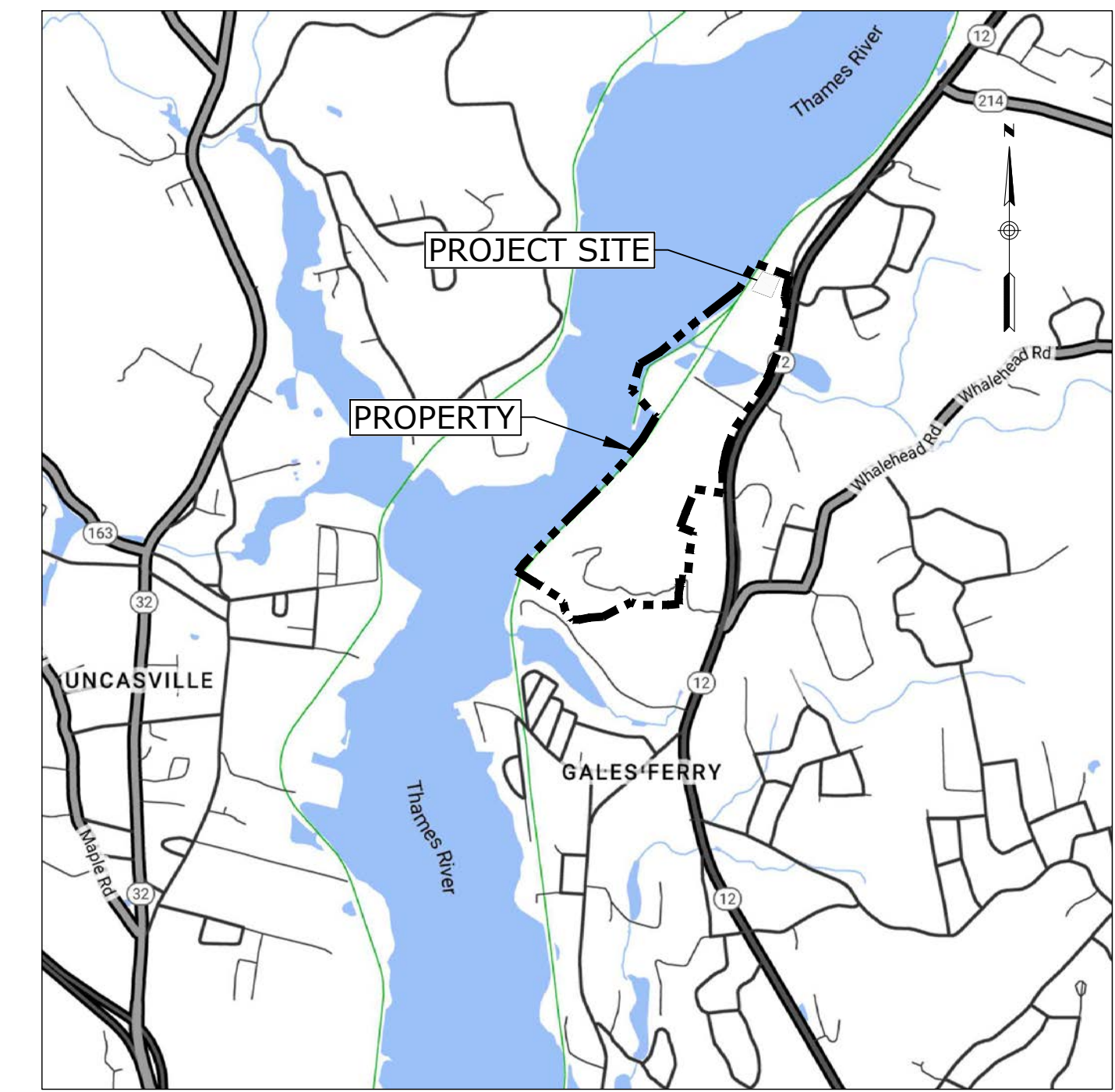


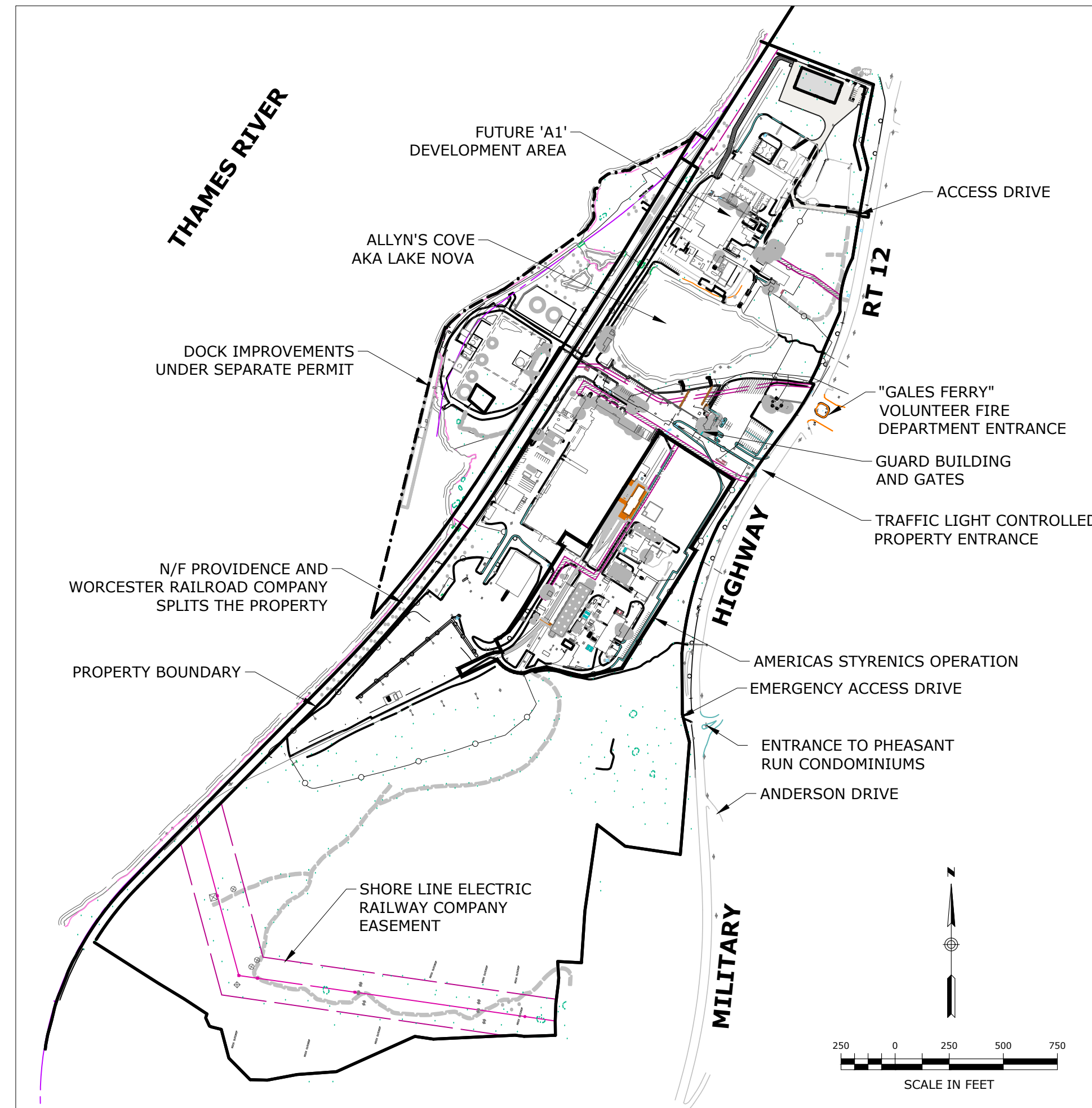
GALES FERRY INTERMODAL STERLING FACILITY

1761 ROUTE 12
GALES FERRY, CONNECTICUT 06335

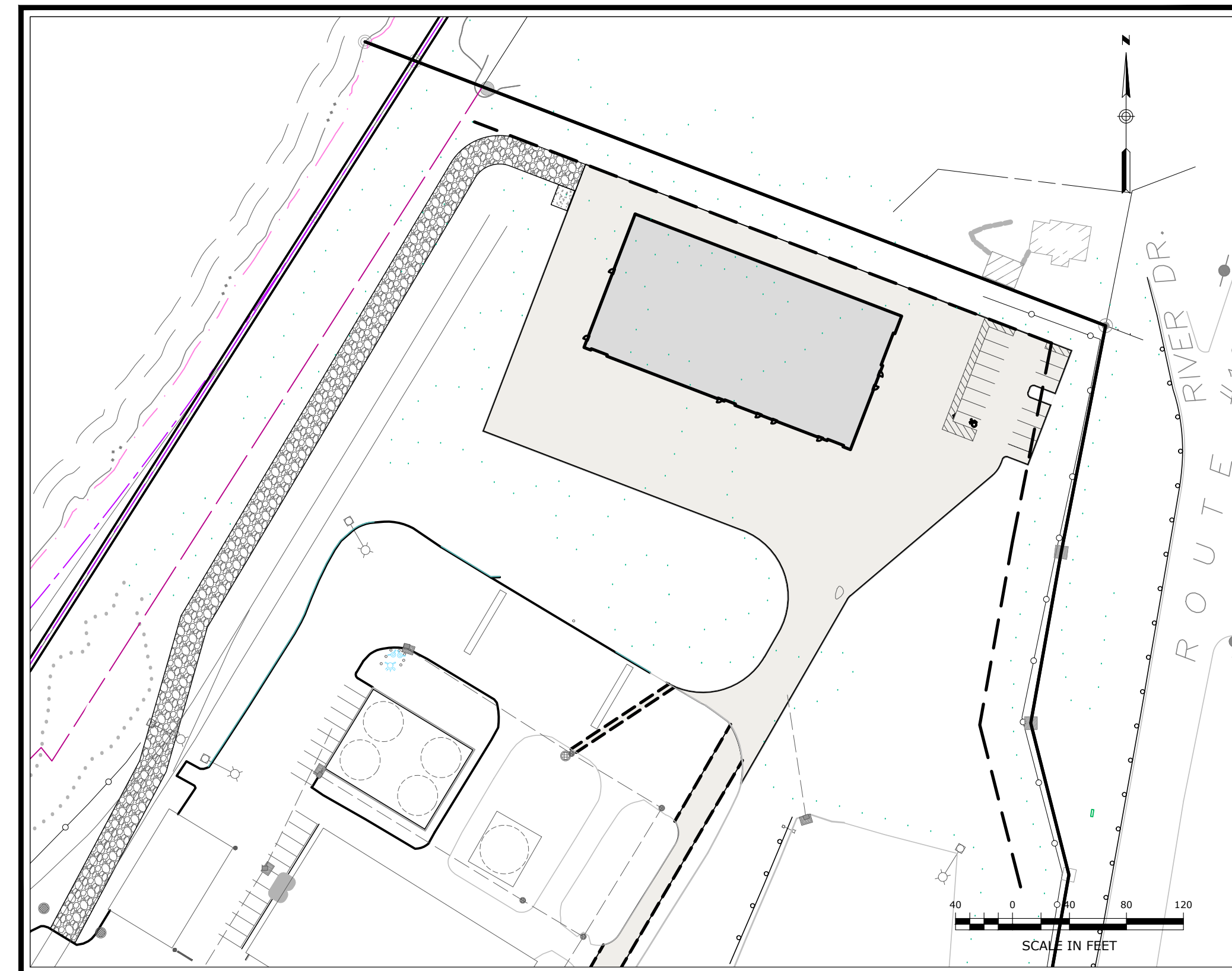
MARCH 07, 2023



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
3	#2010063	PROPERTY SURVEY
4	C-2	OVERALL SITE PLAN
5	C-3	SITE PREPARATION AND DEMOLITION PLAN
6	C-4	SITE PLAN LAYOUT
7	C-5	GRADING AND DRAINAGE PLAN
8	C-6	UTILITY PLAN
9	C-7	SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN
10	C-8	SUBSURFACE SEWAGE DISPOSAL SECTIONS, DETAILS & NOTES
11	C-9	SOIL EROSION AND SEDIMENT CONTROL PLAN
12	L-1	LANDSCAPING PLAN
13	C-10	PHOTOMETRIC AND LIGHTING PLAN
14	C-11	COASTAL AREA MANAGEMENT PLAN
15	C-12	SITE DETAILS 1
16	C-13	SITE DETAILS 2
17	C-14	SITE DETAILS 3
18	C-15	STORMWATER DETAILS
19	C-16	SOIL EROSION AND SEDIMENT CONTROL DETAILS
20	C-17	SIGHTLINE DEMONSTRATION PLAN

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



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

PREPARED FOR:
JAY CASHMAN, INC.
549 SOUTH STREET
QUINCY, MA

PROPERTY OF
TRINSEO LLC
#1737 & 1761 MILITARY
HIGHWAY (ROUTE 12)
LEDYARD, GALES FERRY, CT

PROPERTY SURVEY

Designed By: Drawn By: Checked By:
--- CB CB
Issue Date: Project No: Scale:
5/10/2022 076625 1" = 100'

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

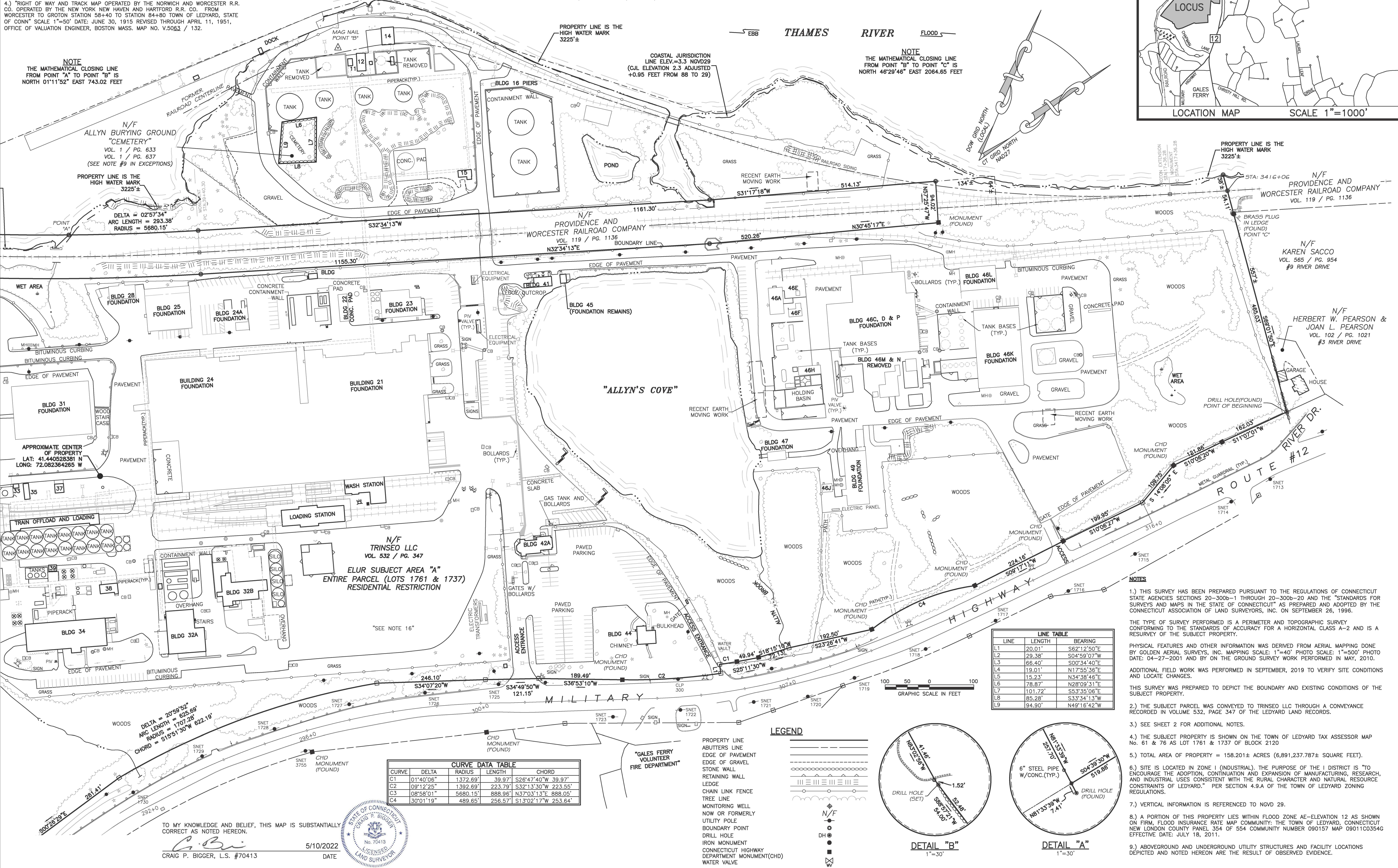
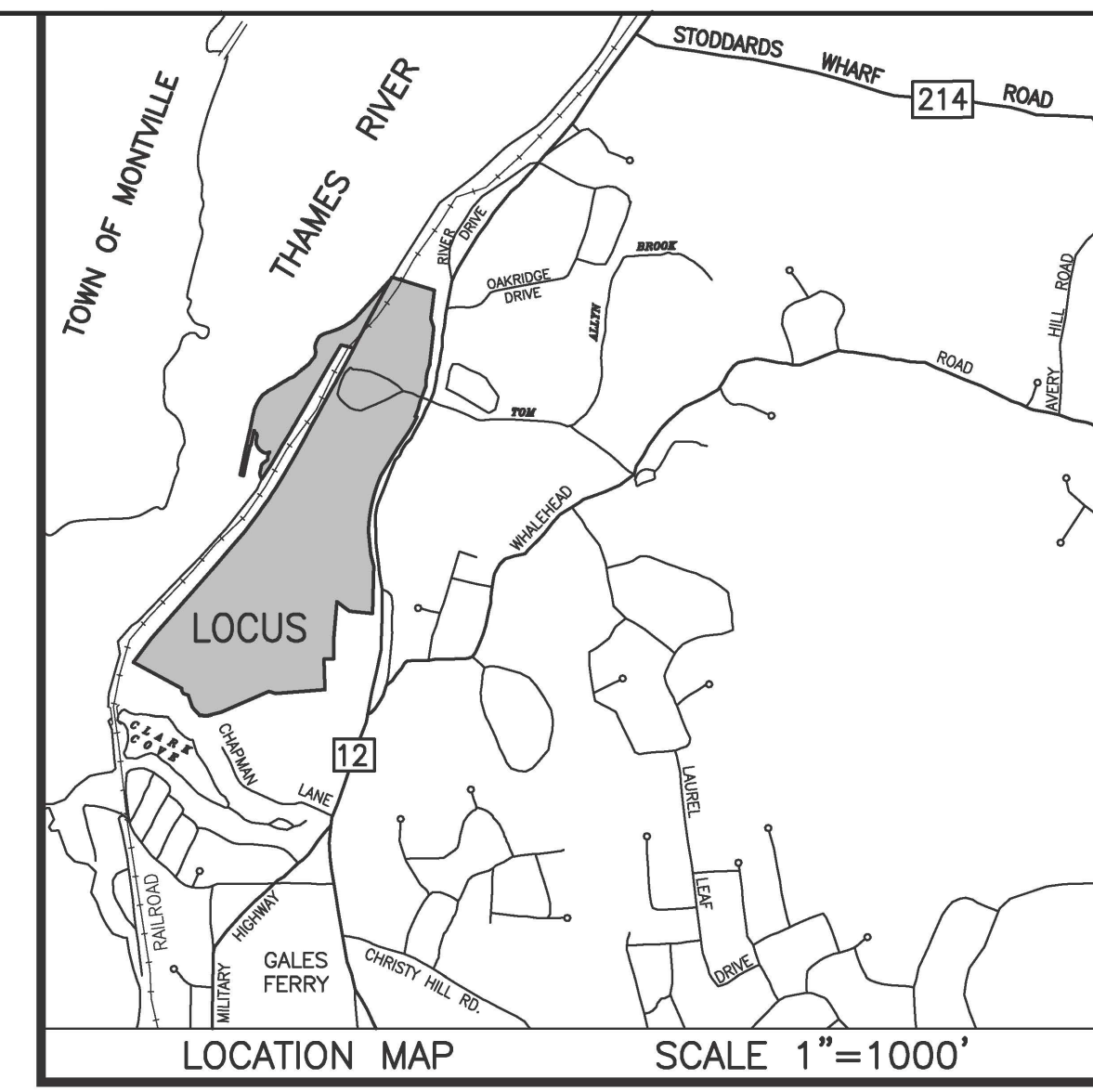
- "NORWICH AND WORCESTER RAILROAD REAL ESTATE & RIGHT OF WAY DEPARTMENT LAND IN LEDYARD, CONN. TO BE CONVEYED TO THE DOW CHEMICAL COMPANY" SCALE 1"=200' DATE: SEPTEMBER 1950 REVISED THROUGH OCTOBER 1950. ON FILE AS MAP NO. 8A.
- "LOCATION OF THE RIGHT OF WAY OF THE CONNECTICUT LIGHT & POWER COMPANY ACROSS 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 LEDARD—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 FROM ALLYN'S BROOK TO ALLYN'S BROOK" 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 HUIERLUBT 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, PENTWAY 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. LUPINACCI, 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 #E0048, BY CME ASSOCIATES, INC. ON FILE AS MAP #2629.



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

PROPERTY LINE IS THE HIGH WATER MARK 3225±
COASTAL JURISDICTION LINE ELEV.=3.3 NGVD29 (C.I. ELEVATION 2.3 ADJUSTED +0.95 FEET FROM 88 TO 29)

NOTE
THE MATHEMATICAL CLOSING LINE FROM POINT "B" TO POINT "C" IS NORTH 46°28'46" EAST 2064.65 FEET

PROPERTY LINE IS THE HIGH WATER MARK 3225±

N/F PROVIDENCE AND WORCESTER RAILROAD COMPANY VOL. 119 / PG. 1136

N/F KAREN SACCO VOL. 565 / PG. 954 #9 RIVER DRIVE

N/F HERBERT W. PEARSON & JOAN L. PEARSON VOL. 102 / PG. 1021 #3 RIVER DRIVE

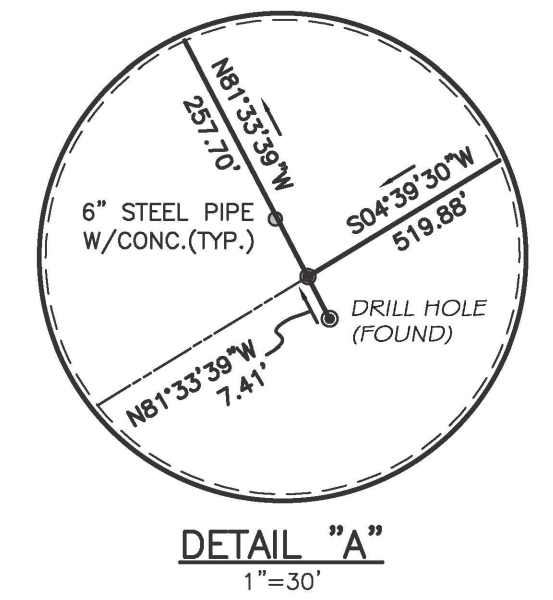
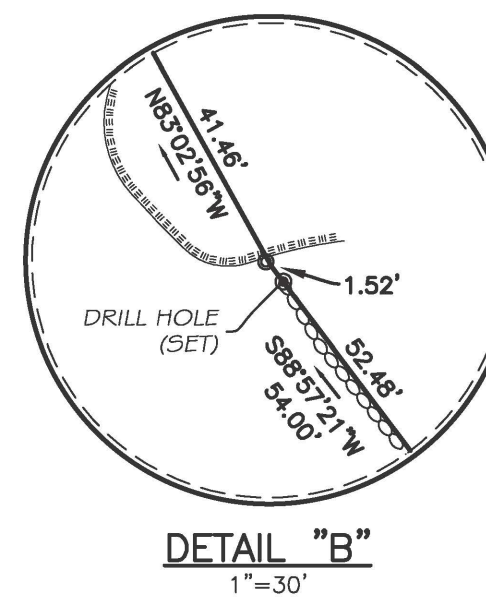
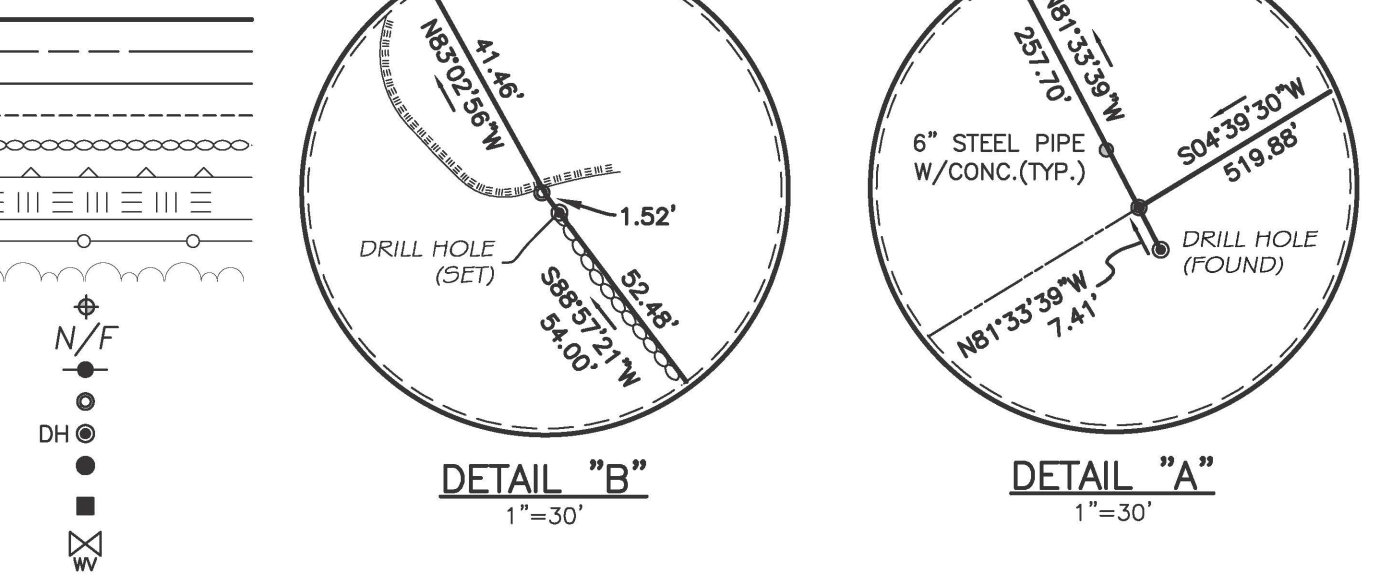
APPROXIMATE CENTER OF PROPERTY
LAT: 41.440528381 N
LONG: 72.082364265 W

N/F TRINSEO LLC VOL. 532 / PG. 347
ELUR SUBJECT AREA "A"
ENTIRE PARCEL (LOTS 1761 & 1737)
RESIDENTIAL RESTRICTION

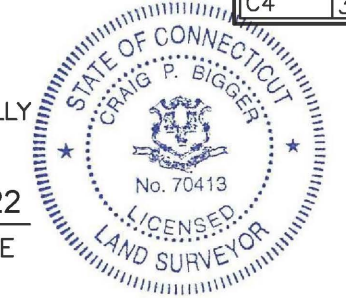
LINE	LENGTH	BEARING
L1	20.01'	S62°12'50"E
L2	28.38'	S04°59'07"W
L3	66.40'	S03°34'40"E
L4	19.01'	N17°55'36"E
L5	15.23'	N34°38'46"E
L6	78.87'	N28°09'31"E
L7	101.72'	S53°35'06"E
L8	85.28'	S33°34'13"W
L9	94.90'	N49°16'42"W

CURVE	DELTA	RADIUS	LENGTH	CHORD
C1	01°40'08"	1372.69'	39.97'	S26°47'40"W 39.97'
C2	09°12'29"	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'

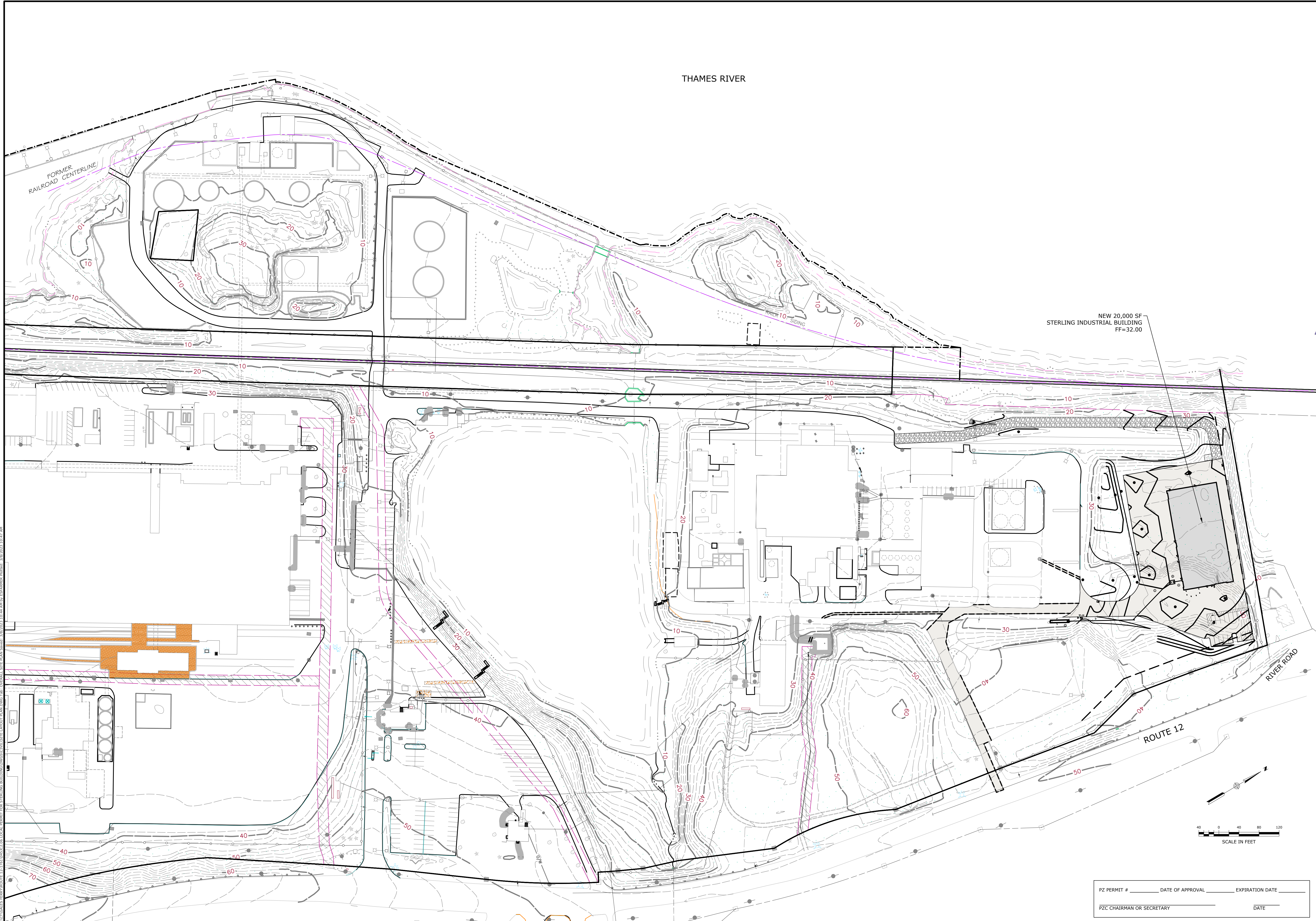
LEGEND



TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
CRAIG P. BIGGER, L.S. #70413
5/10/2022
DATE



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER OR REPRODUCE ANY PART OF ANY PLAN, SPECIFICATION, REPORT, OR RECORD OF SUCH PROFESSIONAL OR ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR WITHOUT THE WRITTEN CONSENT OF THE ORIGINAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR. ANY SUCH ALTERATION OR REPRODUCTION WITHOUT THE WRITTEN CONSENT OF THE ORIGINAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR IS PROHIBITED AND IS A VIOLATION OF THE STATE OF CONNECTICUT PROFESSIONAL REGULATION ACT AND THE STATE OF CONNECTICUT PROFESSIONAL ENGINEERING ACT.



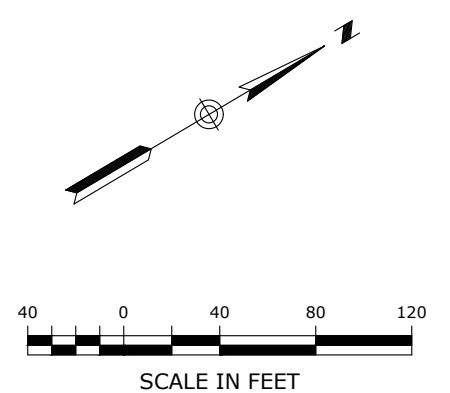
THAMES RIVER

FORMER RAILROAD CENTERLINE

NEW 20,000 SF STERLING INDUSTRIAL BUILDING FF=32.00

ROUTE 12

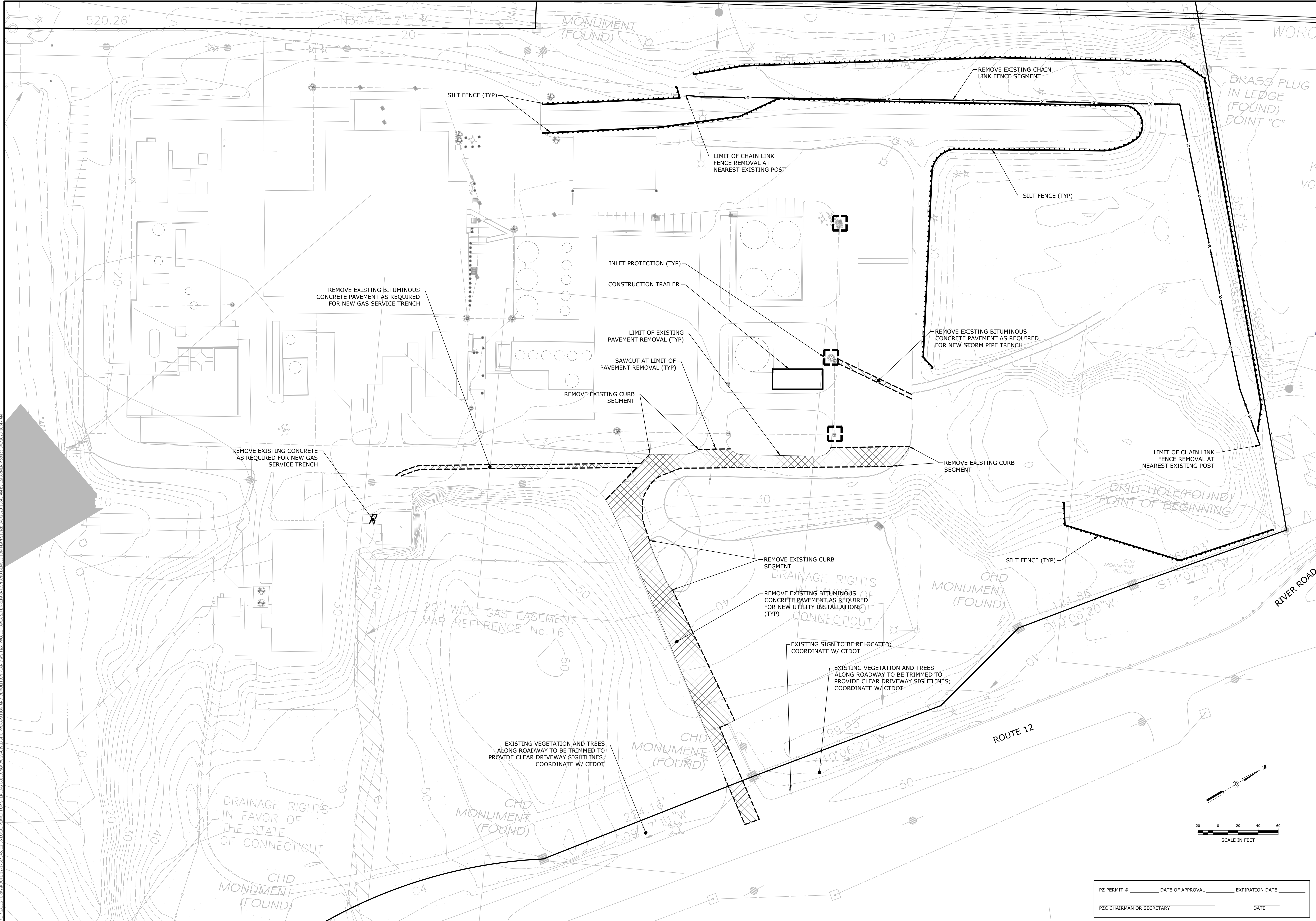
RIVER ROAD



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

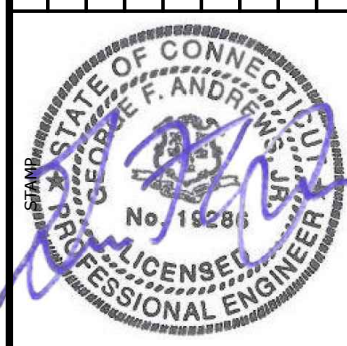
V:\ACT\GALES FERRY\ROUTE 12_1761\0451C2.06_LOCAL PERMIT FOR STERLING BUILDING\SCHEMATIC\SITE LAYOUT PLAN.DWG (J) OVERALL SITE PLAN SHEET 3/03/2023 10:44 AM BY ESTABRHSR PLOTDATE: 3/03/2023 10:47 AM

OVERALL SITE PLAN GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335 GALES FERRY INTERMODAL LLC <small>39 SOUTH STREET, DANBURY, CT 06810</small>	SCALE 1" = 100' DRAWING NO. 0451C2.06 DATE 03/07/2023 DRAWN BY ESF APPROVED BY SRM
STATE OF CONNECTICUT GEORGE F. ANGELO No. 10281 LICENSE PROFESSIONAL ENGINEER	Loureiro <small>Water • Facility Services • Laboratory</small> Loureiro Engineering Associates, Inc. <small>Engineers • Architects • Planners • Energy</small> 1761 ROUTE 12, GALES FERRY, CT 06335 Tel: 860-747-0181 Fax: 860-747-8827 An Employee-Owned Company • www.loureiro.com © Loureiro Engineering Associates, Inc. All Rights Reserved 2023
SHEET NO. 4 NO. OF SHEETS 20	DRAWING C-2
REVISIONS NO. DATE DESCRIPTION OF REVISION _____ _____ _____	DATE _____ REV. _____ APPR. _____

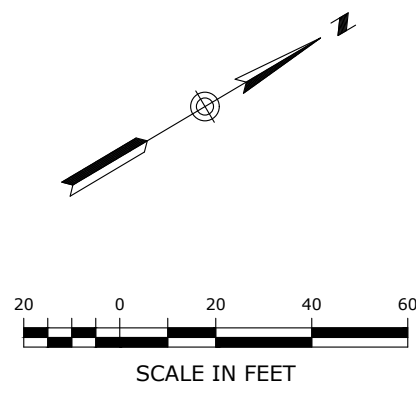


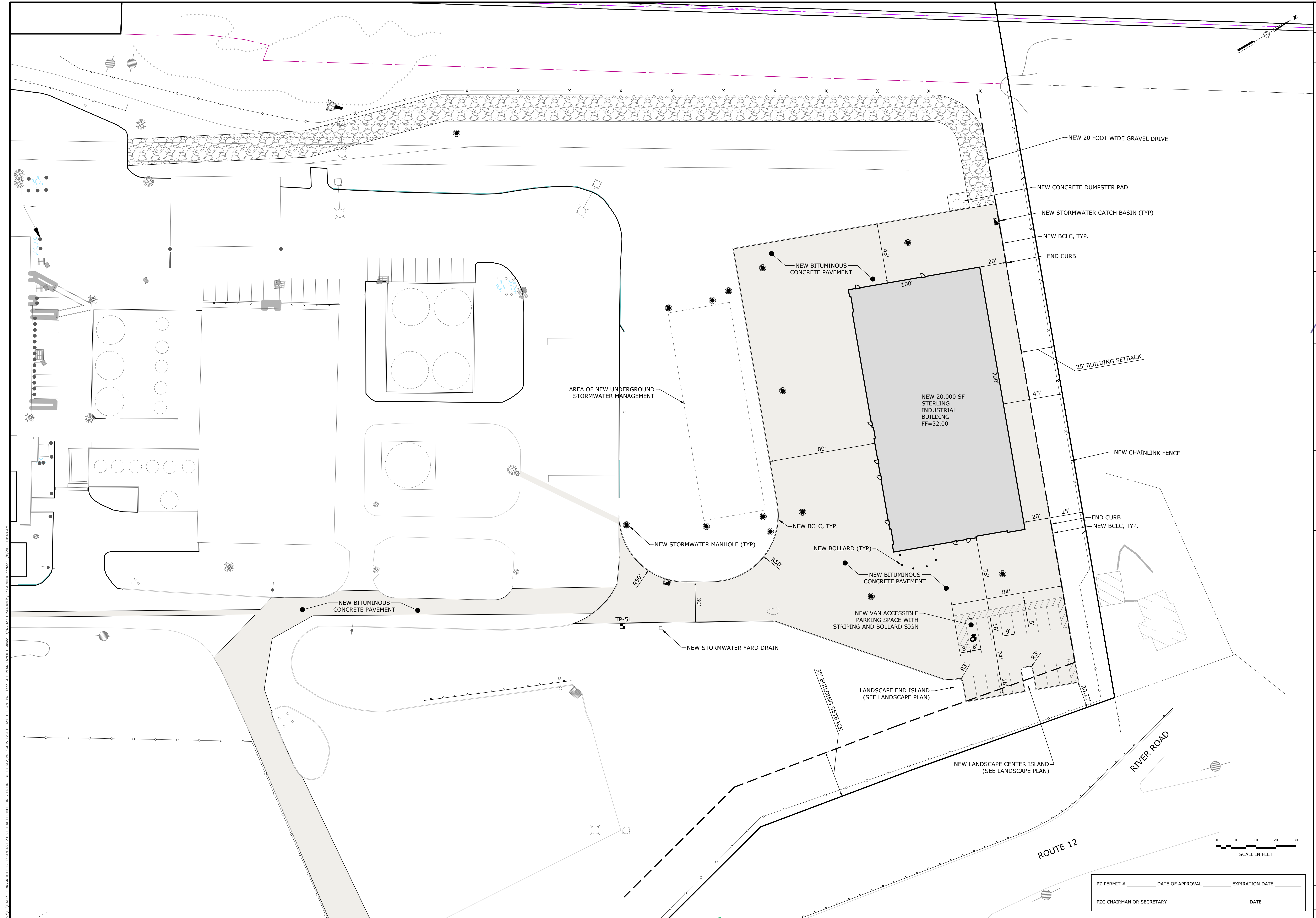
V:\CT\GALES FERRY\ROUTE 12\1761\045122\04 LOCAL PERMIT FOR STEELING BUILDINGS\CONSTRUCTION PREPARATION AND DEMOLITION PLAN.DWG (Rev. 3/07/2023 10:47 AM)

SITE PREPARATION AND DEMOLITION PLAN	GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335 GALES FERRY INTERMODAL LLC <small>389 SOUTH STREET, SUITE 101, DANBURG, CT 06810</small>
SCALE: 1" = 40' DRAWING NO: 045122.06 DATE: 03/07/2023 DRAWN BY: ESP APPROVED BY: SRM	SCALE: 1" = 40' DRAWING NO: 045122.06 DATE: 03/07/2023 DRAWN BY: ESP APPROVED BY: SRM
PZ PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____ PZC CHAIRMAN OR SECRETARY _____ DATE _____	
SHEET NO. 5	NO. OF SHEETS 20





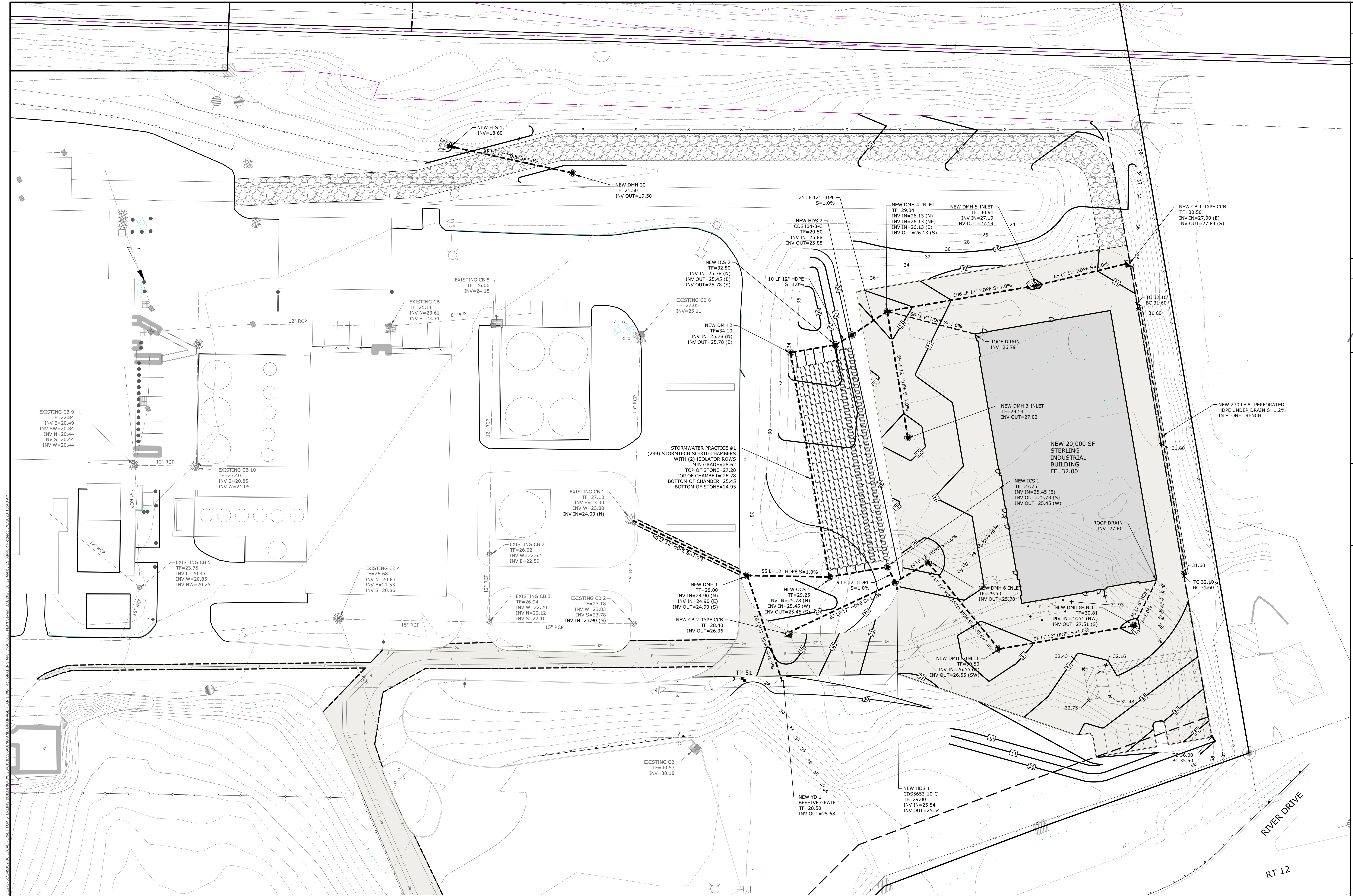
Loureiro
 Water • Facility Services • Laboratory
 Loureiro Engineering Associates, Inc.
 1761 Route 12, Gales Ferry, CT 06335
 Phone: 860-747-0181 Fax: 860-747-8827
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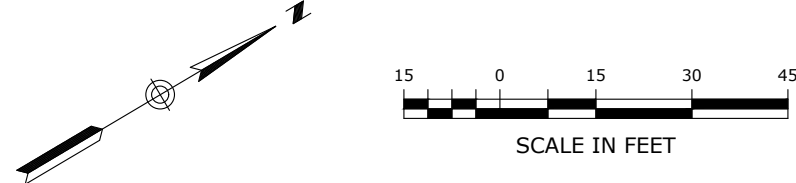


V:\CT\GALES FERRY\ROUTE 12, 1761\0451C2.06\LOCAL PERMIT FOR STERLING BUILDING\DWG\SITE LAYOUT PLAN.DWG Job: SITE PLAN LAYOUT Date: 3/8/2023 10:48 AM

							
							
SCALE	1" = 30'	DRAWING NO.	0451C2.06	DATE	03/07/2023	DATE	03/07/2023
DRAWN BY	ESF	APPROVED BY	SRM				
SITE PLAN LAYOUT GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335 GALES FERRY INTERMODAL LLC 389 SOUTH STREET, DANBURY, CT 06810							
PZ PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____ PZC CHAIRMAN OR SECRETARY _____ DATE _____				DRAWING C-4 SHEET NO. 6 NO. OF SHEETS 20			

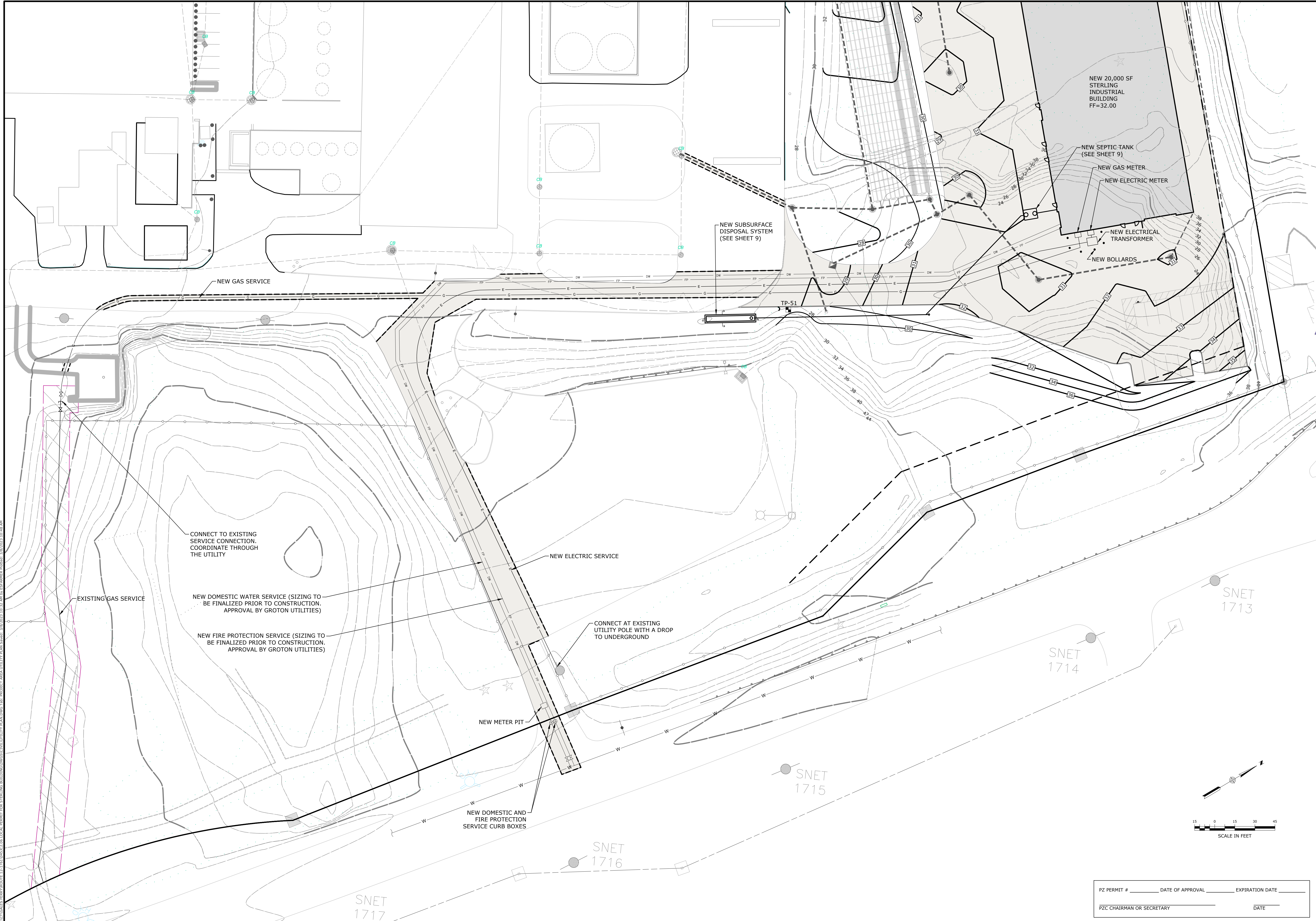


V:\CT\GALES FERRY\ROUTE 12\176104532\04 LOCAL PERMIT FOR STERLING BUILDING\SCULPTURING AND DRAINAGE PLAN\DWG\IN GRADING AND DRAINAGE PLAN\DWG\176104532_04.DWG
 DATE: 10/20/2023 10:48 AM
 DRAWN BY: ESP
 APPROVED BY: SRM



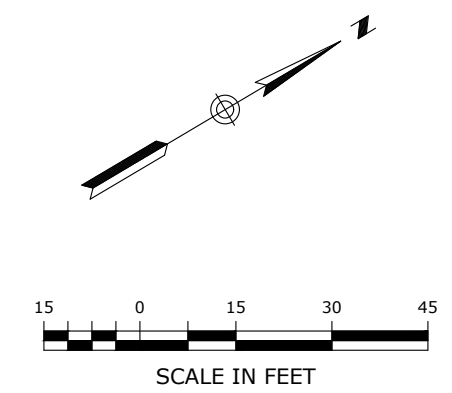
PZ PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____
 PZC CHAIRMAN OR SECRETARY _____ DATE _____

GRADING AND DRAINAGE PLAN GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335 GALES FERRY INTERMODAL LLC <small>359 SOUTH STREET, SUITE 101, DANBURY, CT 06810</small>	SCALE: 1"=30' DRAWING NO: 0451C2.06 DATE: 03/07/2023 DRAWN BY: ESP APPROVED BY: SRM
STATE OF CONNECTICUT PROFESSIONAL ENGINEER No. 11628 License No. 11628	Loureiro Water & Facility Services & Laboratory Loureiro Engineering Associates, Inc. An Employee Owned Company • www.loureiro.com 100 Main Street, Danbury, CT 06810 Tel: 860-797-0111 Fax: 860-797-8822 © Loureiro 2023. All Rights Reserved 2023.
SHEET NO. 7 NO. OF SHEETS 20	DRAWING NO. C-5 NO. OF SHEETS 20

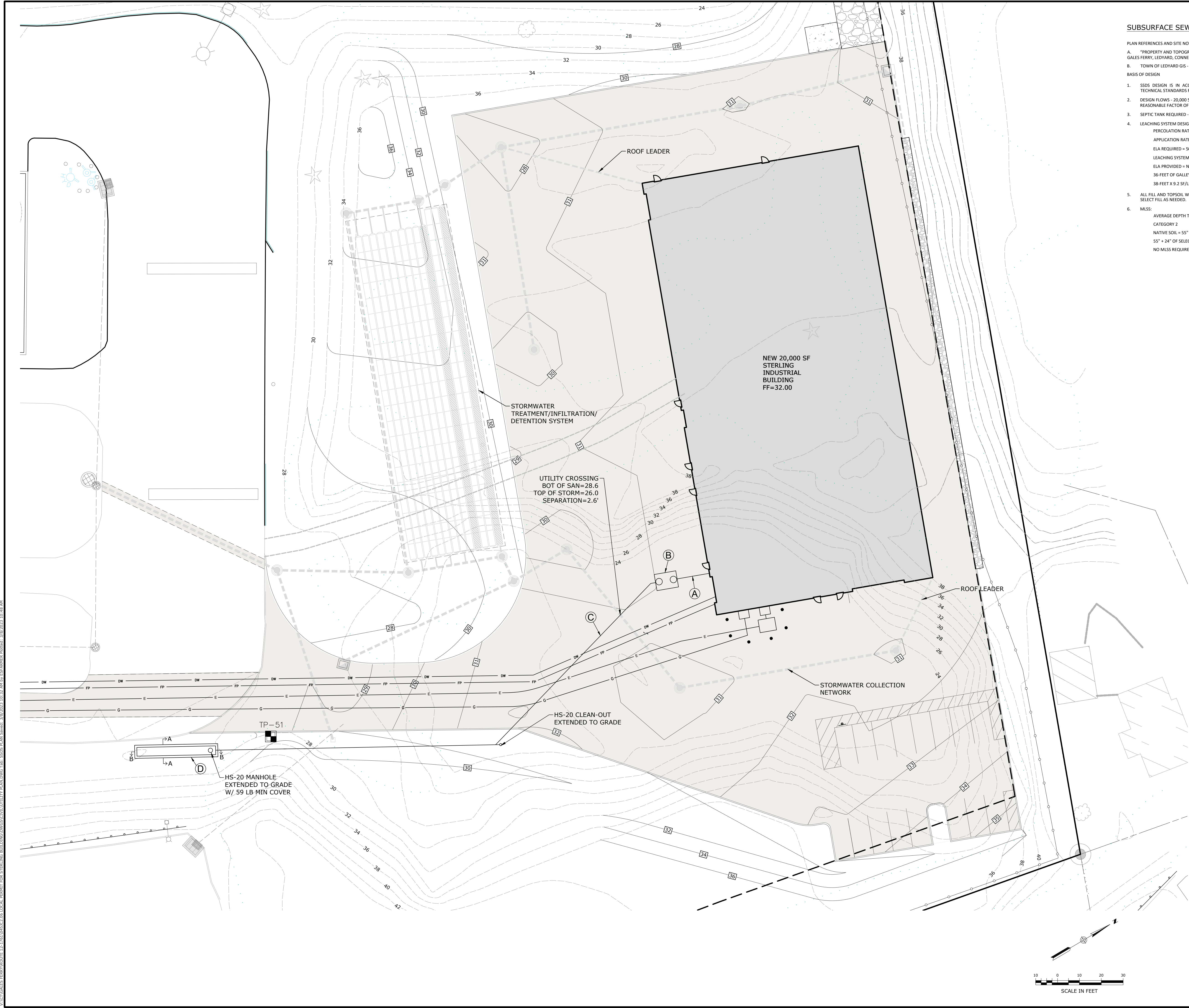


V:\CT\GALES FERRY\ROUTE 12, 1761\045C2.06\LOCAL PERMIT FOR STERLING BUILDINGS\COUL\UTILITY PLAN.DWG (Job: PROJECT AREA UTILITY PLAN Saved: 3/02/2023 10:32 AM by: E5646666 Revs: 3/02/2023 10:48 AM)

PZ PERMIT #	DATE OF APPROVAL	EXPIRATION DATE
PZC CHAIRMAN OR SECRETARY	DATE	



UTILITY PLAN GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335 GALES FERRY INTERMODAL LLC <small>383 SOUTH STREET, DANBURY, CT 06810</small>	SCALE: 1"=30' DRAWING NO: 0451C2.06 DATE: 03/07/2023 DRAWN BY: ESP APPROVED BY: SRM
DESCRIPTION OF REVISION REV. DATE APR.	



SUBSURFACE SEWAGE DISPOSAL SYSTEM (SSDS) BASIS OF DESIGN:

PLAN REFERENCES AND SITE NOTES

- "PROPERTY AND TOPOGRAPHIC SURVEY PREPARED FOR STYRON LLC 'ALLYN'S POINT PLANT' 1737 & 1761 MILITARY HIGHWAY - ROUTE 12, GALES FERRY, LEDYARD, CONNECTICUT PREPARED BY CME ASSOCIATES, INC. DATED SEPTEMBER 2, 2010
- TOWN OF LEDYARD GIS - PUBLIC WATER IS AVAILABLE ON THIS SITE AND ALL ADJACENT PROPERTIES

BASIS OF DESIGN

- SSDS DESIGN IS IN ACCORDANCE WITH THE CONNECTICUT PUBLIC HEALTH CODE, ON-SITE SEWAGE DISPOSAL REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS.
- DESIGN FLOWS - 20,000 SQUARE FOOT (SF) EQUIPMENT MAINTENANCE GARAGE. NUMBER OF EMPLOYEES - 10. ASSUME TWO SHIFTS AS A REASONABLE FACTOR OF SAFETY ALLOCATING 20 EMPLOYEES AT 25 GALLONS PER DAY (GPD) PER EMPLOYEE. DESIGN FLOW - 500 GPD.
- SEPTIC TANK REQUIRED - MINIMUM 1,000 GALLONS. SEPTIC TANK PROVIDED - 1,250 HS-20 DESIGNED FOR TRAFFIC AREA.
- LEACHING SYSTEM DESIGN - USING 48-INCH CONCRETE LEACHING GALLEYS HS-20 DESIGNED FOR TRAFFIC AREA.
PERCOLATION RATE = 1.5 GPD/SF
APPLICATION RATE = 1.5 GPD/SF OF EFFECTIVE LEACHING AREA (ELA)
ELA REQUIRED = $500 \text{ GPD} / 1.5 \text{ GPD/SF} = 334 \text{ SF}$
LEACHING SYSTEM - 48-INCH HIGH CONCRETE LEACHING GALLEYS = 9.2 SF/LF ELA
ELA PROVIDED = NINE 4-FOOT LONG GALLEYS WITH 12-INCHES OF NO. 4 CRUSHED STONE AROUND
36- FEET OF GALLEYS PLUS 2- FEET OF CRUSHED STONE AT THE ENDS
38- FEET X 9.2 SF/LF ELA = 349 SF ELA
- ALL FILL AND TOPSOIL WITHIN FIVE FEET SURROUNDING THE LEACHING SYSTEM AREA SHALL BE REMOVED AND REPLACED WITH SUITABLE SELECT FILL AS NEEDED.
- MLSS:
AVERAGE DEPTH TO RESTRICTIVE LAYER:
CATEGORY 2
NATIVE SOIL - 55"
55" + 24" OF SELECT FILL = 79" > 60"
NO MLSS REQUIRED

SEPTIC SYSTEM KEY

(A)	15 L.F. 4" SCH. 40 PVC ASTM D1785 BUILDING SEWER PIPE INSTALLED @ 1/4" PER FT. MIN. SLOPE AND 12" MIN. COVER
(B)	1,250-GALLON HS-20 CONCRETE SEPTIC TANK
(C)	233 L.F. 4" SDR 35 ASTM D3034 DISTRIBUTION PIPE INSTALLED @ 1% MIN. SLOPE
(D)	(1) ROW OF 48" HIGH HS-20 CONCRETE LEACHING GALLEYS @ 38 L.F. TOTAL WITH 1' CRUSHED NO. 4 STONE AROUND ALL SIDES

REFER TO SYSTEM INVERT TABLE ON THIS SHEET FOR PROPOSED INVERT ELEVATIONS.

SEPTIC SYSTEM INVERT SCHEDULE

BUILDING SEWER INVERT	29.50
SEPTIC TANK INVERT	IN 29.15 OUT 28.90
LEACHING GALLEYS	TOP 26.35 BOTTOM 22.35
LEACHING GALLEY INVERT	25.85

NO. 4 STONE AGGREGATE

AKA 1 & 1/4" STONE

SIeve SIZE	PERCENT PASSING (BY WEIGHT)
2"	100
1 1/2"	90-100
1"	20-55
3/4"	0-15
1/2"	N/A
3/8"	0-5
#4	N/A
#40	0-3
#200	0-1 1/2

SELECT FILL

SIieve SIZE	PERCENT PASSING (BY WEIGHT)	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70-100	70-100
#40	10-50*	10-75
#100	0-20	0-5
#200	0-5	0-2.5

* PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75 IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10 AND THE #200 SIEVE DOES NOT EXCEED 5.

TEST PIT LOG: TP-51

DEPTH	OBSERVATIONS
0'-24"	GRAVEL, FILL
24'-68"	DARK BROWN FINE SANDY LOAM, CONCRETE DEBRIS W/ REBAR FOUND
68'-75"	BURIED TOPSOIL LAYER
75'-93"	TAN GREY FINE SANDY LOAM WITH GRAVEL
93'-150"	ORANGE BROWN MEDIUM-COARSE SAND AND GRAVEL W/ COBBLES

* ROOTS TO 93"
* GROUNDWATER AT 130"
* NO REFUSAL

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

SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN

GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL LLC
389 SOUTH STREET, DANBURY, CT 06810

SCALE: 1" = 20'
DRAWN BY: ESP
DATE: 03/07/2023

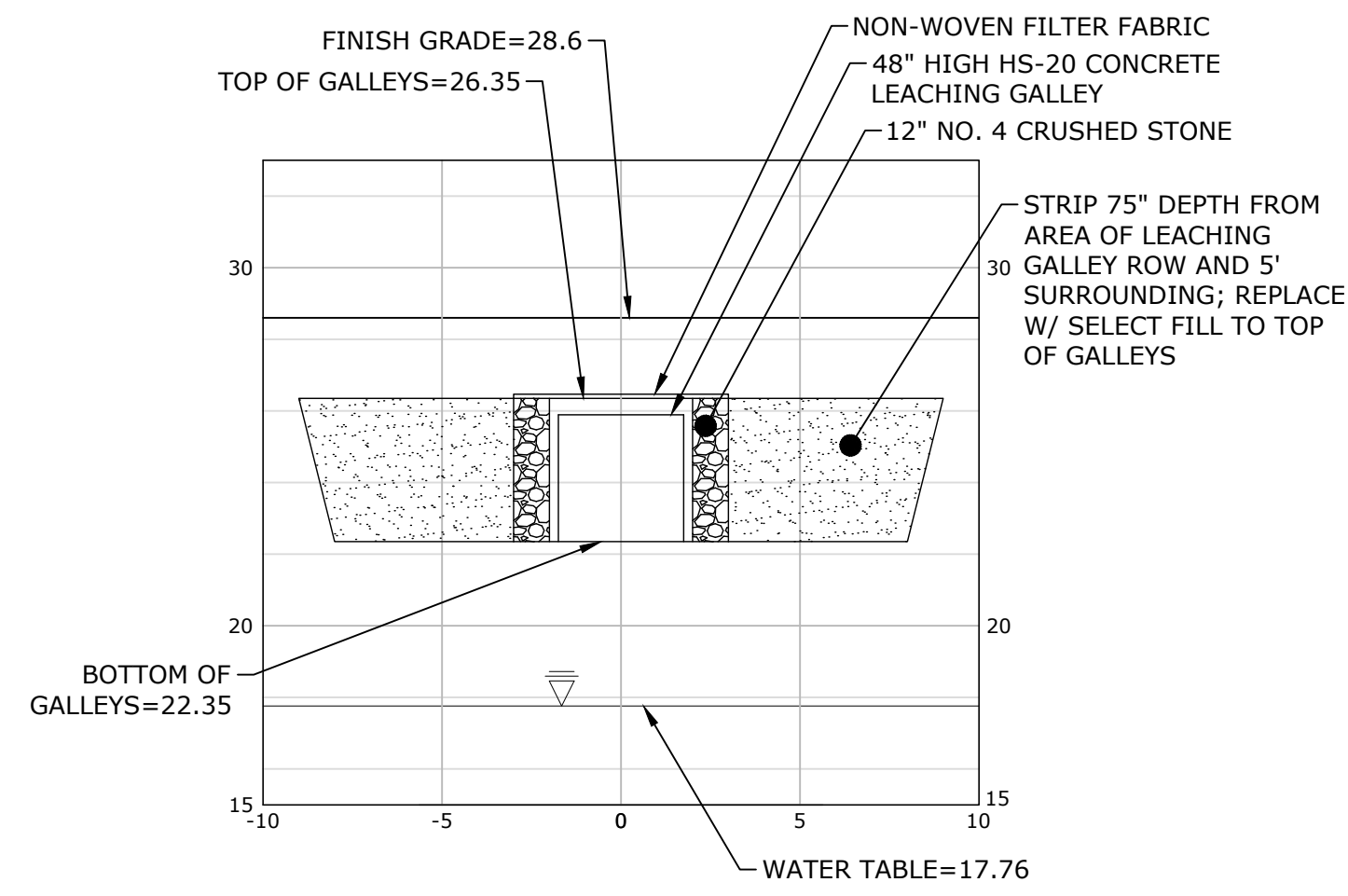
DATE: 03/07/2023
REV. _____
DESCRIPTION OF REVISION _____

PROFESSIONAL ENGINEER
No. 10285
STATE OF CONNECTICUT

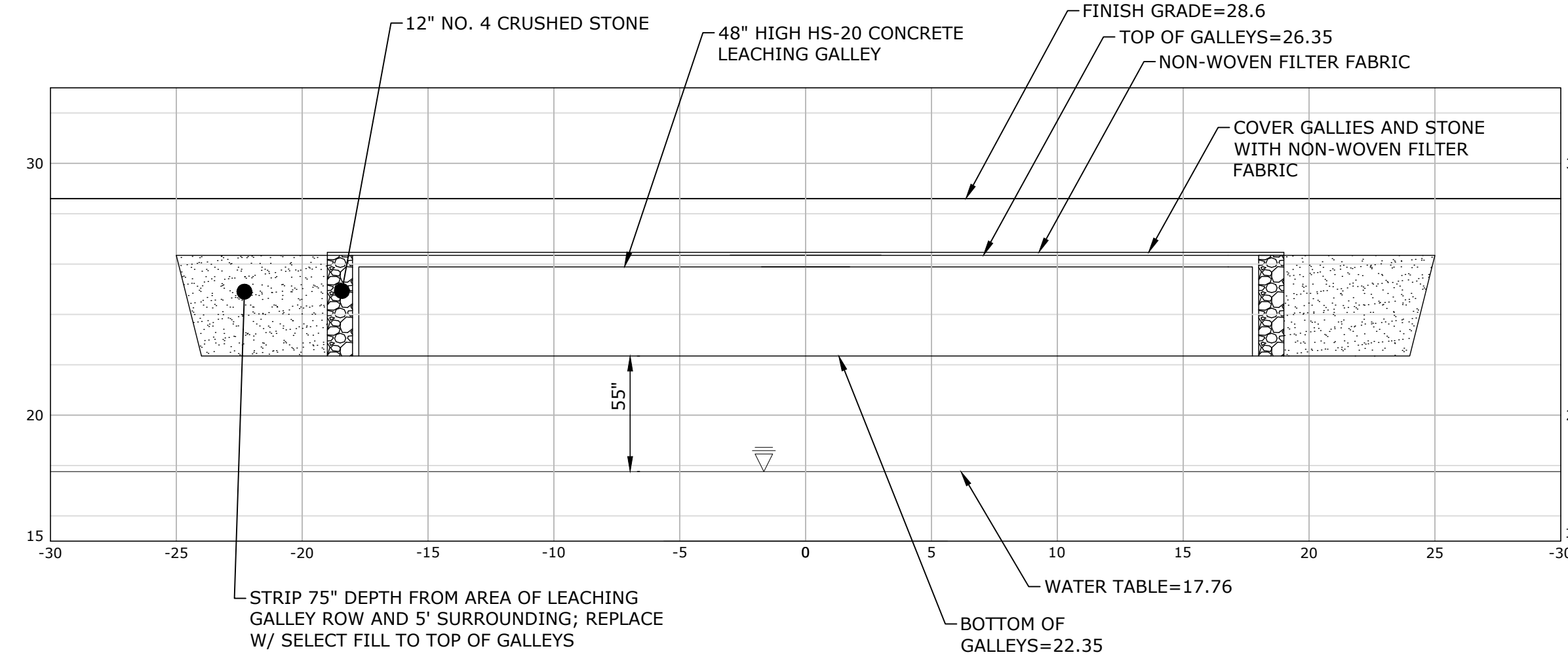
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Water & Utility Services • Laboratory
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105 Park Street, Danbury, CT 06810
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SHEET NO. 9 OF 20

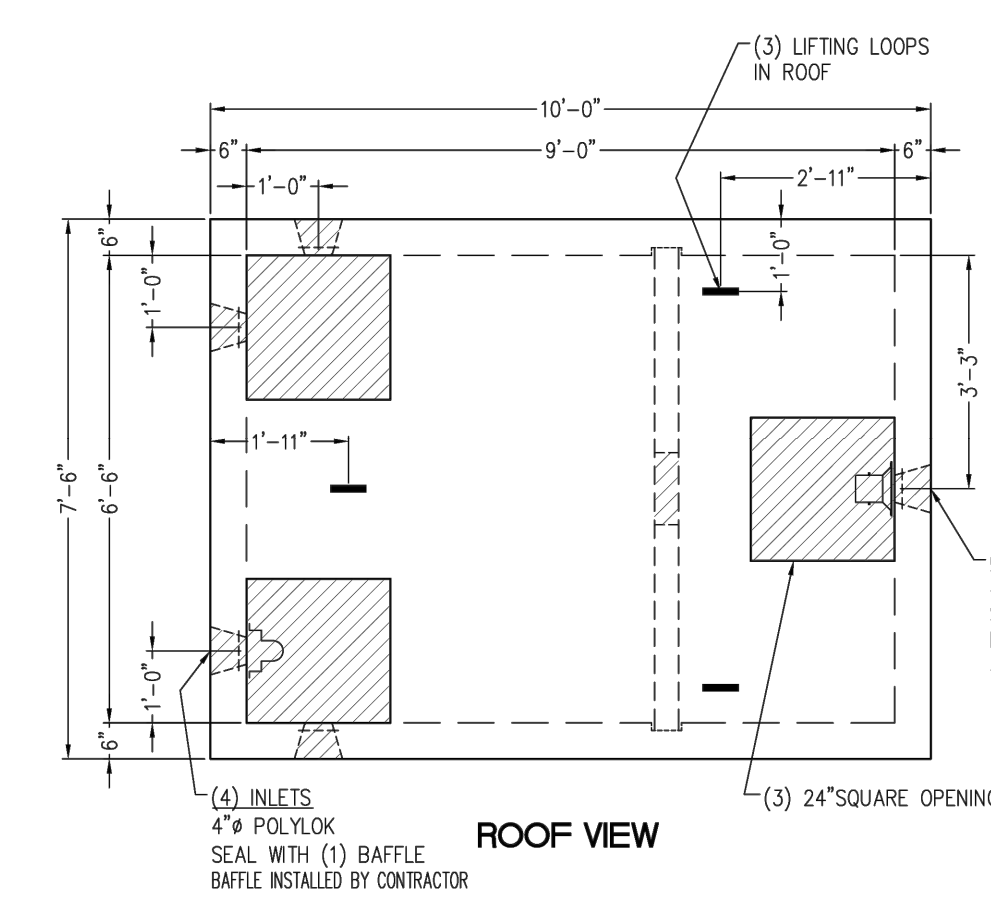
V:\CT\GALES FERRY\ROUTE 12, 1761\045122\04 LOCAL PERMIT FOR STERLING BUILDING\DWG\SSDS\PLAN.DWG Pub: 3/8/2023 10:52 AM by: ESP/ARW Printed: 3/8/2023 10:58 AM



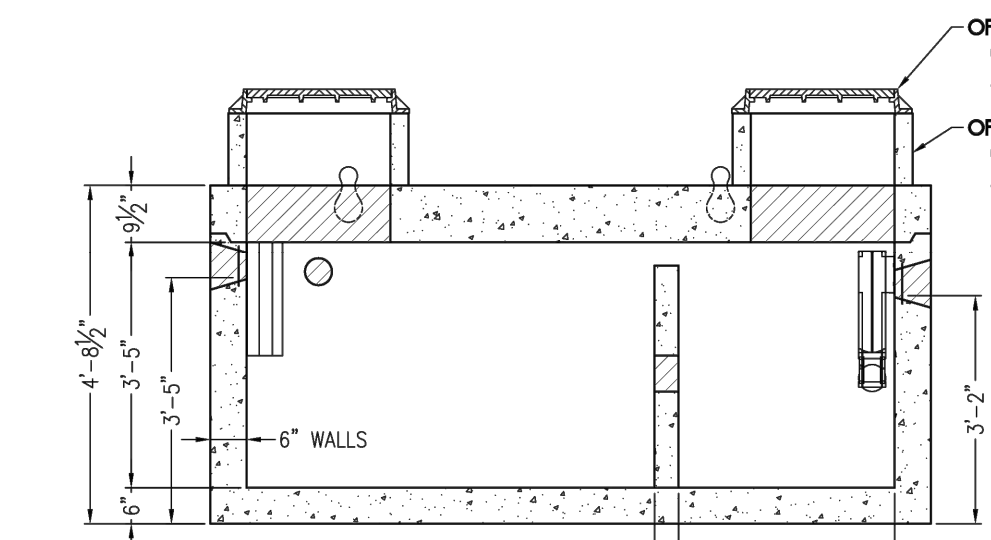
A-A SECTION VIEW
SCALE: 1"=5'H&V



B-B SECTION VIEW
SCALE: 1"=5'H&V



ROOF VIEW



ELEV. SECTION

**1,250 GALLON
HS-20
SEPTIC TANK**

TANK DESIGN SPECIFICATIONS
CONFORMS TO LATEST:
ASTM DESIGNATION C1227

NOTES:
1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPEC. M-198.
2. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPEC. A603, GRADE 60.
3. COVER 1/2\"/>

WEIGHT CHART	
PRODUCT	APPROX. WEIGHT
TANK W/BAFFLE	24,900 LBS.

1,250 GALLON HS-20 SEPTIC TANK
NOT TO SCALE

SUBSURFACE SEWAGE DISPOSAL SYSTEM (SSDS) CONSTRUCTION NOTES:

- REFER TO SOIL EROSION AND SEDIMENT CONTROL PLAN FOR EROSION PROTECTION.
- PROCEDURES FOR THE INSTALLATION OF FILL:
 - NO EXCAVATION SHALL OCCUR PRIOR TO NOTIFYING "CALL-BEFORE-YOU-DIG" AT 1-800-922-4455 OR 811.
 - INSTALL EROSION CONTROL ALONG THE DOWN-GRADIENT LIMITS OF FILL IN ACCORDANCE WITH THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
 - STRIP ALL VEGETATION, ORGANIC MATTER AND UNSUITABLE OVERBURDEN INCLUDING THE BURIED TOPSOIL TO A DEPTH OF 75-INCHES BELOW GRADE IN THE AREA OF AND TEN FEET SURROUNDING THE NEW LEACHING SYSTEM. REMOVE ANY UNSUITABLE MATERIAL WHICH MAY INTERFERE WITH THE PROPER FUNCTION OF THE SYSTEM.
 - SCARIFY THE SURFACE IN THE PROPOSED LEACHING SYSTEM AREA PRIOR TO PLACING ANY SELECT FILL MATERIAL. AVOID COMPACTING THE SCARIFIED AREA. FILL SHALL NOT BE PLACED OVER SNOW OR FROZEN GROUND. DISCONTINUE FILL PLACEMENT DURING HEAVY RAINFALL AND A MINIMUM OF 24 HOURS THEREAFTER.
 - SELECT FILL SHALL BE PLACED WITHIN OR ADJACENT TO THE LEACHING SYSTEM PER THE PLAN AND SHALL MEET THE REQUIREMENTS OF SECTION VII.A OF THE TECHNICAL STANDARDS. SELECT FILL SHALL BE PLACED TO THE TOP OF THE PROPOSED LEACHING GALLEYS AND SHALL EXTEND A MINIMUM OF FIVE FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE LEACHING SYSTEM AND TO DEPTHS INDICATED IN THE CROSS SECTION. THE SELECT FILL MATERIAL SHALL BE PLACED IN 12" LIFTS AND COMPACTED TO 90% DENSITY.
 - A SIEVE ANALYSIS FROM A SOIL TESTING LABORATORY SHALL BE PROVIDED TO LEDGE LIGHT HEALTH DISTRICT FOR ALL SELECT FILL MATERIAL TO DEMONSTRATE COMPLIANCE WITH THE TECHNICAL STANDARDS.
 - NATIVE SOIL OR COMMON FILL SHALL BE USED AS BACKFILL BEYOND THE LIMITS OF SELECT FILL AND BELOW THE TOPSOIL LAYER.
- NO UTILITIES SHALL BE INSTALLED THROUGH ANY PORTION OF THE LEACHING SYSTEM.
- SEPTIC TANK SHALL BE SET LEVEL ON A MINIMUM OF SIX INCHES OF PROCESSED AGGREGATE OR BROKEN STONE PLACED ON COMPACTED SUBGRADE. BACKFILL AROUND THE TANK SHALL BE PLACED AND COMPACTED IN SIX INCH LIFTS.
- HS-20 SEPTIC TANK SHALL BE EQUIPPED WITH RISERS TO GRADE EQUIPPED WITH CAST IRON MANHOLE COVERS WITH A MINIMUM WEIGHT OF 59 POUNDS EQUIPPED WITH A LOCKING FEATURE.
- PERCOLATION TESTS SHALL BE PERFORMED IN THE PRIMARY AND RESERVE LEACHING SYSTEM AREAS PRIOR TO CONSTRUCTION TO CONFIRM DESIGN PERCOLATION RATE. DESIGN ENGINEER SHALL PROVIDE PERCOLATION TEST RESULTS TO LEDGE LIGHT HEALTH DISTRICT UPON COMPLETION. IF THE PERCOLATION RATE IS SLOWER THAN THE DESIGN RATE, REVISIONS TO THE LEACHING SYSTEM WILL BE REQUIRED.
- THE NEW SSDS SHALL BE STAKED BY A LICENSED SURVEYOR AND A BENCH MARK SHALL BE ESTABLISHED AT THE LOCATION SHOWN ON THE SSDS PLAN.
- THE INSTALLER SHALL SUBMIT TO LEDGE LIGHT HEALTH DISTRICT UPON 30 DAYS OF COMPLETION SCALED OR TIED AS-BUILT DRAWINGS OF ALL SSDS COMPONENTS. THE DRAWING SHALL INCLUDE THE NAME OF THE INSTALLER, DATE AND PROPERTY LOCATION/ADDRESS.
- ALL STORM AND/OR ROOF DRAINS WITHIN 25 FEET OF THE SEPTIC SYSTEM SHALL BE TIGHT PIPE WITH NO FREE-DRAINING BEDDING MATERIAL IN TRENCH.

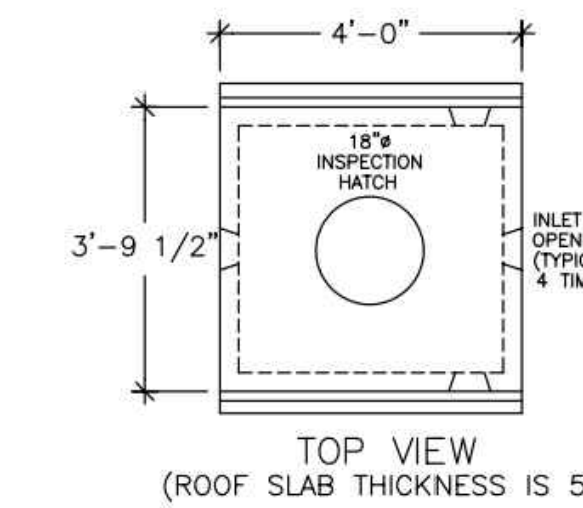
**4'x4'x4' GALLEY
HS-20 LEACHING
CHAMBER**

GALLEY DESIGN SPECIFICATIONS
CONFORMS TO LATEST:
ASTM DESIGNATION C913

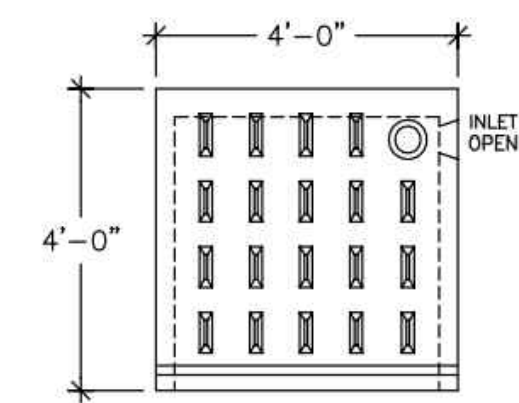
- NOTES:
- PIPE INLET LOCATIONS HAVE 4" DIAMETER KNOCKOUTS, TYPICAL. CUSTOM KNOCKOUTS CAN BE CAST ON REQUEST.
 - REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
 - CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
 - METHOD OF MANUFACTURE: WET CAST.
 - SECTION IS MONOLITHIC.
 - THE GALLEY IS DESIGNED FOR HS-20 LOADING w/18" OF SOIL COVER.

WEIGHT CHART	
PRODUCT	APPROX. WEIGHT
4'x4'x4' GALLEY	2200 LBS.

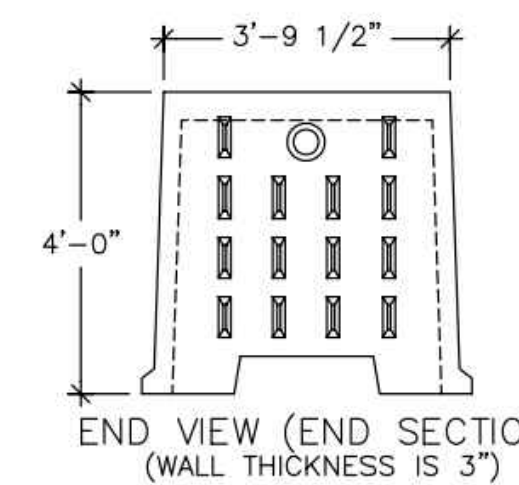
LEACHING DATA			
FLOW LINE (INCHES)	LEACHING (Gals/LF)	LEACHING (FT ² /UNIT)	INSIDE CAPACITY (GALLONS)
38	9.2	36.8	330



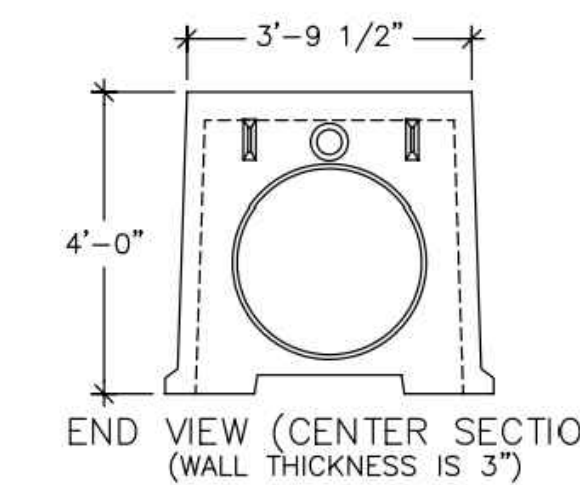
TOP VIEW
(ROOF SLAB THICKNESS IS 5")



SIDE VIEW
(WALL THICKNESS IS 3")



END VIEW (END SECTION)
(WALL THICKNESS IS 3")



END VIEW (CENTER SECTION)
(WALL THICKNESS IS 3")

48" HIGH HS-20 LEACHING GALLEY
NOT TO SCALE

PZ PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____

PZC CHAIRMAN OR SECRETARY _____ DATE _____

SUBSURFACE SEWAGE DISPOSAL SECTIONS, DETAILS & NOTES

SCALE AS NOTED
CONTR. NO. 0451C2.06
DATE 3/6/2023
DRAWN BY FCC
APPROVED BY GFA

Loureiro
Engineering & Construction • Energy • Est. & Energy
100 Northwood Drive • Plainville, Connecticut 06062
Phone: 860-267-9688 • Fax: 860-267-8822
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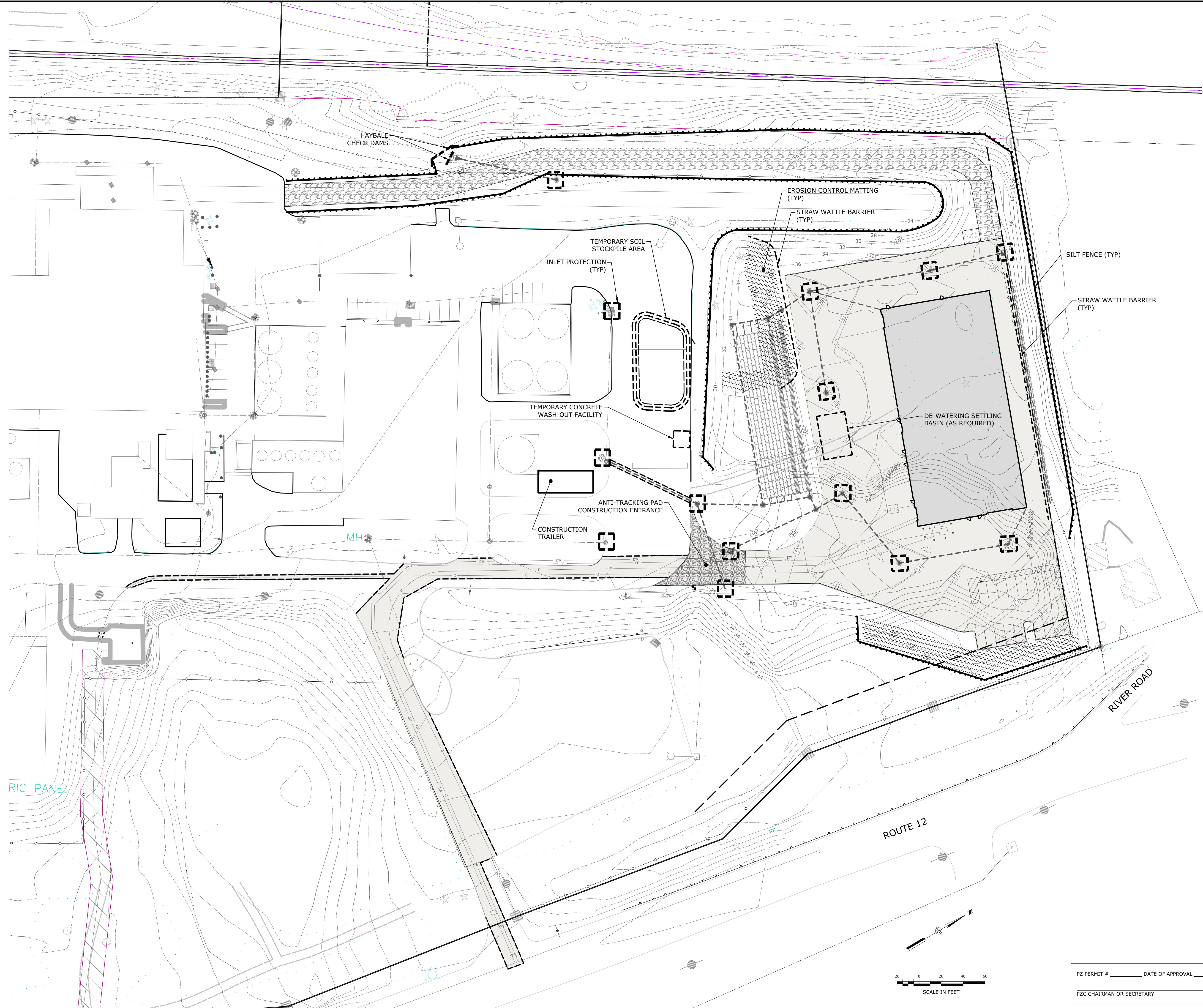
GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL LLC
349 SOUTH STREET, QUINCY, MA 02269

DATE 3/6/2023
DATE 3/6/2023

DESCRIPTION OF REVISION
REV. _____

DATE _____
APPR. _____

V:\CT\GALES FERRY\ROUTE 12\1761\04512.06 LOCAL PERMIT FOR STEELING BUILDINGS\SOIL EROSION AND SEDIMENT CONTROL PLAN.dwg PLOT: 3/8/2023 10:06 AM BY: ESP/ARH/03/10/09 AM

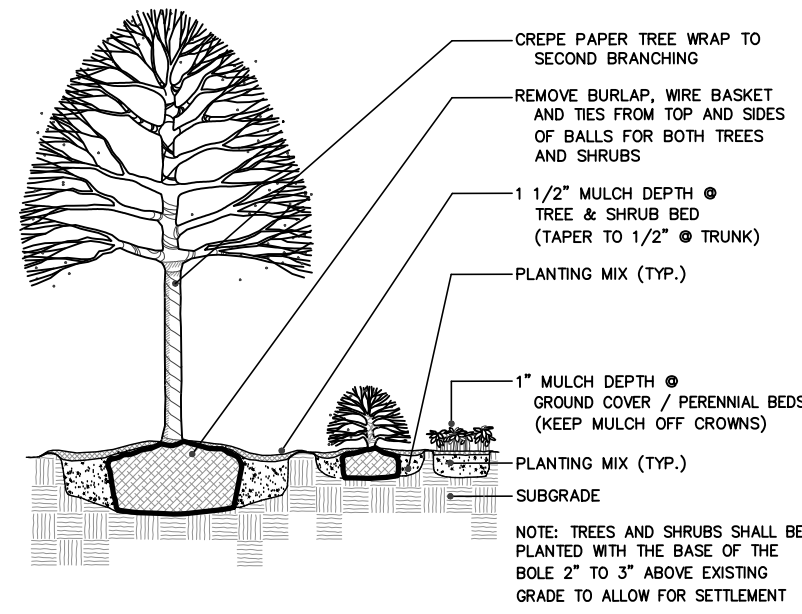


SOIL EROSION AND SEDIMENT CONTROL PLAN	
GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335 GALES FERRY INTERMODAL LLC <small>39 SOUTH STREET, DANBURY, CT 06810</small>	SCALE: 1" = 40' DRAWING NO: 04512.06 DATE: 03/07/2023 DRAWN BY: ESP APPROVED BY: SRM
PZ PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____ PZC CHAIRMAN OR SECRETARY _____ DATE _____	
C-9 <small>SHEET NO. 11 NO. OF SHEETS 20</small>	
<small> Loureiro Engineering Associates, Inc. Water • Facility Services • Laboratory Engineering • Construction • EPC • Energy 1761 Route 12, Gales Ferry, CT 06335 Tel: 860-747-0181 Fax: 860-747-8827 An Employee Owned Company • www.loureiro.com © Loureiro Engineering Associates, Inc. All Rights Reserved 2023 </small>	
DESCRIPTION OF REVISION REV. _____ DATE _____ APPR. _____	

PLANT SCHEDULE					
KEY	QTY.	TECHNICAL NAME	COMMON NAME	SIZE	COND.
DECIDUOUS TREES					
LS	2	LIQUIDAMBAR STYRACIFLUA	SWEETGUM	2"-2.5" CAL.	B&B
MV	1	MAGNOLIA VIRGINIANA	SWEET BAY MAGNOLIA	6'-7' HT.	B&B
CONIFEROUS TREES					
TP	55	THUJA PLICATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	5'-6' HT.	B&B
SHRUBS					
CS	37	CORNUS SERICEA 'FLAVIRAMEA'	YELLOW TWIG DOGWOOD	3 GAL.	CONT.
IG	8	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	3 GAL.	CONT.
PERENNIALS					
ES	42	ERAGOSTIS SPECTABILIS	PURPLE LOVE GRASS	1 GAL.	CONT.
PN	112	PANICUM VIRGATUM 'NORTHWIND'	NORTHWIND SWITCHGRASS	3 GAL.	CONT.
PV	15	PHYSOSTEGIA VIRGINIANA 'VIVID'	VIVID OBEDIENT PLANT	1GAL.	CONT.
PD	21	PENSTEMON DIGITALIS 'HUSKER RED'	HUSKER RED BEARDTONGUE	1 GAL.	CONT.

GENERAL NOTES - LANDSCAPING:

- AS CONSTRUCTION PROGRESSES, FINE GRADE AND SEED OR SOD AS SOON AS POSSIBLE TO REDUCE RUNOFF.
- ALL PLANTING BEDS TO BE TOPSOILED TO A DEPTH OF 12".
- IN ALL SHRUB BEDS TO RECEIVE MASS PLANTING, PROVIDE PINE BARK MULCH AS DETAILED. ESTABLISH A NEAT, SMOOTH EDGE BETWEEN MULCH AND LAWN.
- ADJUSTMENTS IN THE LOCATIONS OF PLANT MATERIALS MAY BE NECESSARY DUE TO LOCATIONS OF UTILITIES. ADJUSTMENTS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
- PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLAN DRAWINGS; THE QUANTITIES IN THE PLANT LIST ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF DISCREPANCIES OCCUR, THE DRAWING SYMBOLS PREVAIL OVER THE PLANT LIST QUANTITIES.



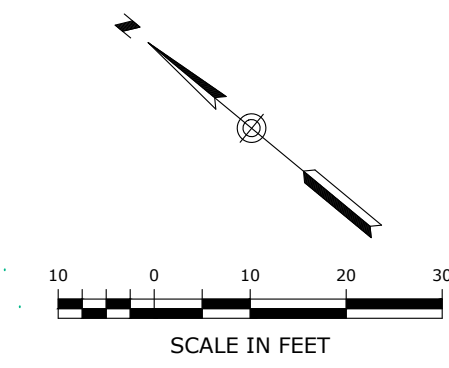
PLANTING DETAIL - TYP
NOT TO SCALE

AUGMENT EXISTING VEGETATION WITHIN BUFFER AREA

25' LANDSCAPE BUFFER

V:\CT\GALES FERRY\ROUTE 12\1761\0451C2.06\LOCAL PERMIT FOR STEELING BUILDING\DWG\LANDSCAPING PLAN\DWG.DWG: LANDSCAPING PLAN Sheet: 10/06/2023 10:46 AM by ESPANNEB.Daniel: 10/06/2023 10:49 AM

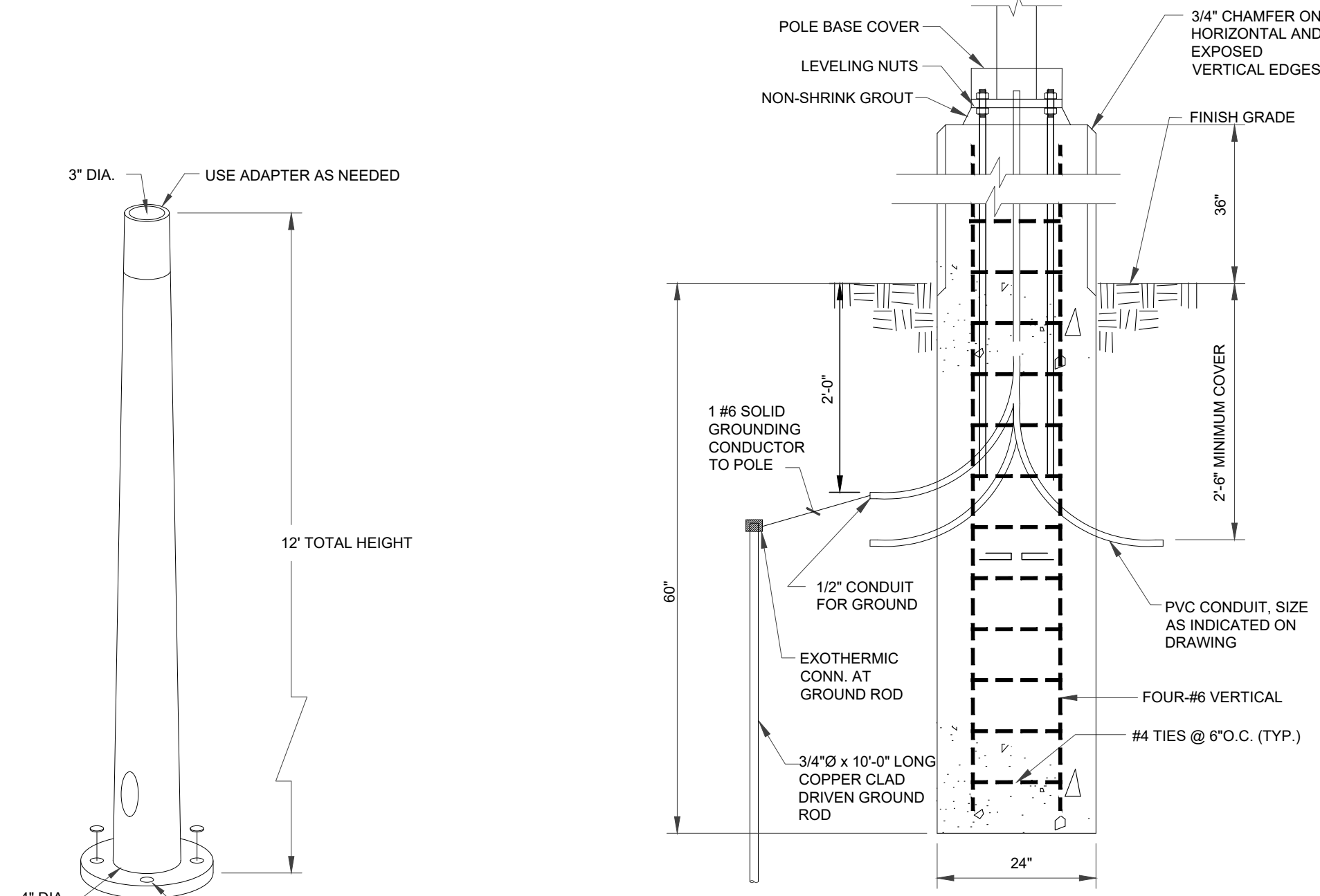
STATE OF CONNECTICUT PROFESSIONAL ENGINEER No. 11228	
 Loureiro Engineering Associates, Inc. Water & Facility Services & Laboratory Estimating & Construction & E&C & Energy 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06435 Tel: 860-747-0181 Fax: 860-747-8827 An Employee Owned Company & www.loureiro.com © Loureiro Engineering Associates, Inc. All Rights Reserved 2023	
SCALE 1"=20'	DATE 03/07/2023
CROWN NO. 0451C2.06	DATE 03/07/2023
DRAWN BY ADP	APPROVED BY SRM
LANDSCAPING PLAN GALES FERRY INTERMODAL 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06435 GALES FERRY INTERMODAL LLC 383 SOUTH STREET, DANIELSON, CT 06248	
PZ PERMIT # _____ DATE OF APPROVAL _____ EXPIRATION DATE _____ PZC CHAIRMAN OR SECRETARY _____ DATE _____	
DRAWING L-1	NO. OF SHEETS 20



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

SYMBOL	LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	NUMBER LAMPS	LUMENS PER LAMP	LIGHT LOSS FACTOR	WATTAGE
	P3-TWX2	9	LITHONIA LIGHTING	TWX2 LED P3 40K	TWX2 LED WITH P3-PERFORMANCE PACKAGE, 4000K	1	5295	0.85	39.1538
	P2-T3M	6	LITHONIA LIGHTING	DSX1 LED P2 40K T3M MVOLT	DSX1 LED P2 40K T3M MVOLT	1	8641	0.85	70
	P2-TFT M-HS	1	LITHONIA LIGHTING	DSX1 LED P2 40K TFTM MVOLT HS WITH HOUSESIDE SHIELD	DSX1 LED P2 40K TFTM MVOLT HS WITH HOUSESIDE SHIELD	1	6495	0.85	70
	P2-T3M-HS	5	LITHONIA LIGHTING	DSX1 LED P2 40K T3M MVOLT WITH HOUSESIDE SHIELD	DSX1 LED P2 40K T3M MVOLT WITH HOUSESIDE SHIELD	1	7002	0.85	70

DESCRIPTION	SYMBOL	AVG	MAX	MIN	MAX/MIN	AVG/MIN
DRIVE/PARKING	+	1.8 fc	7.1 fc	0.0 fc	N/A	N/A
PROPERTY LINE	+	0.0 fc	0.5 fc	0.0 fc	N/A	N/A

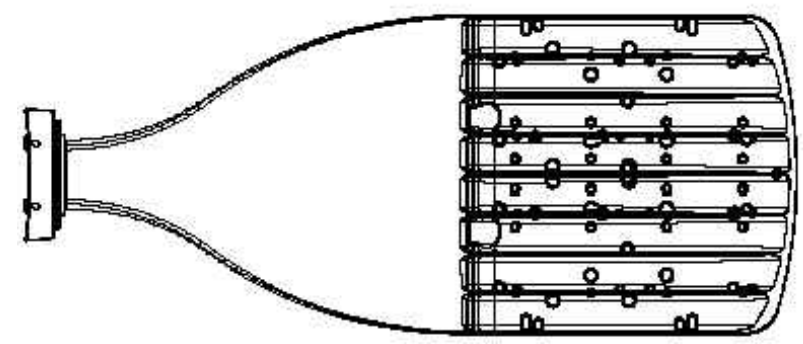


TAPERED ALUMINUM LUMINAIRE POLE

SCALE: NONE

LIGHT POLE BASE

SCALE: NONE



DSX1 with WBA

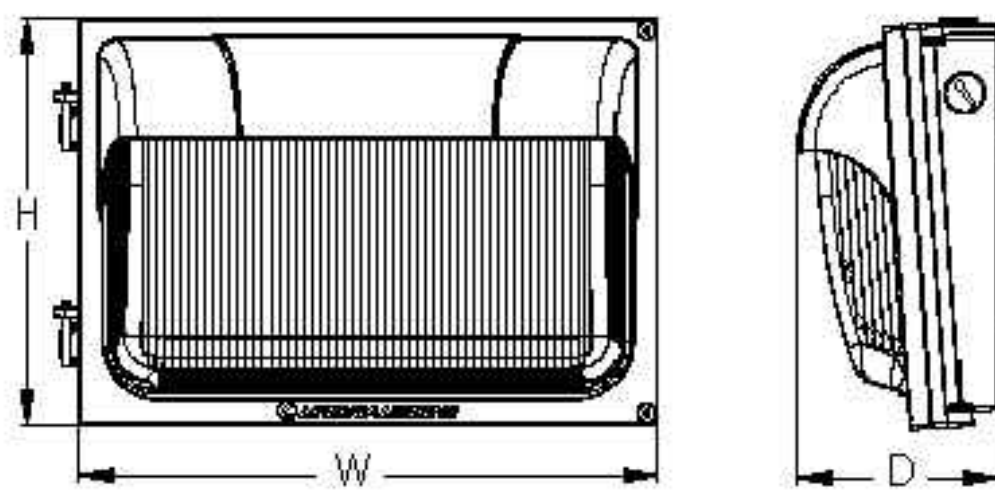
NOTES
LITHONIA LIGHTING, DSX1 LED WITH WBA, P2, 40K, T3M/TFTM, MVOLT, HS (POLE MOUNT).

POLE MOUNTED LIGHT

SCALE: NONE

TWX2:

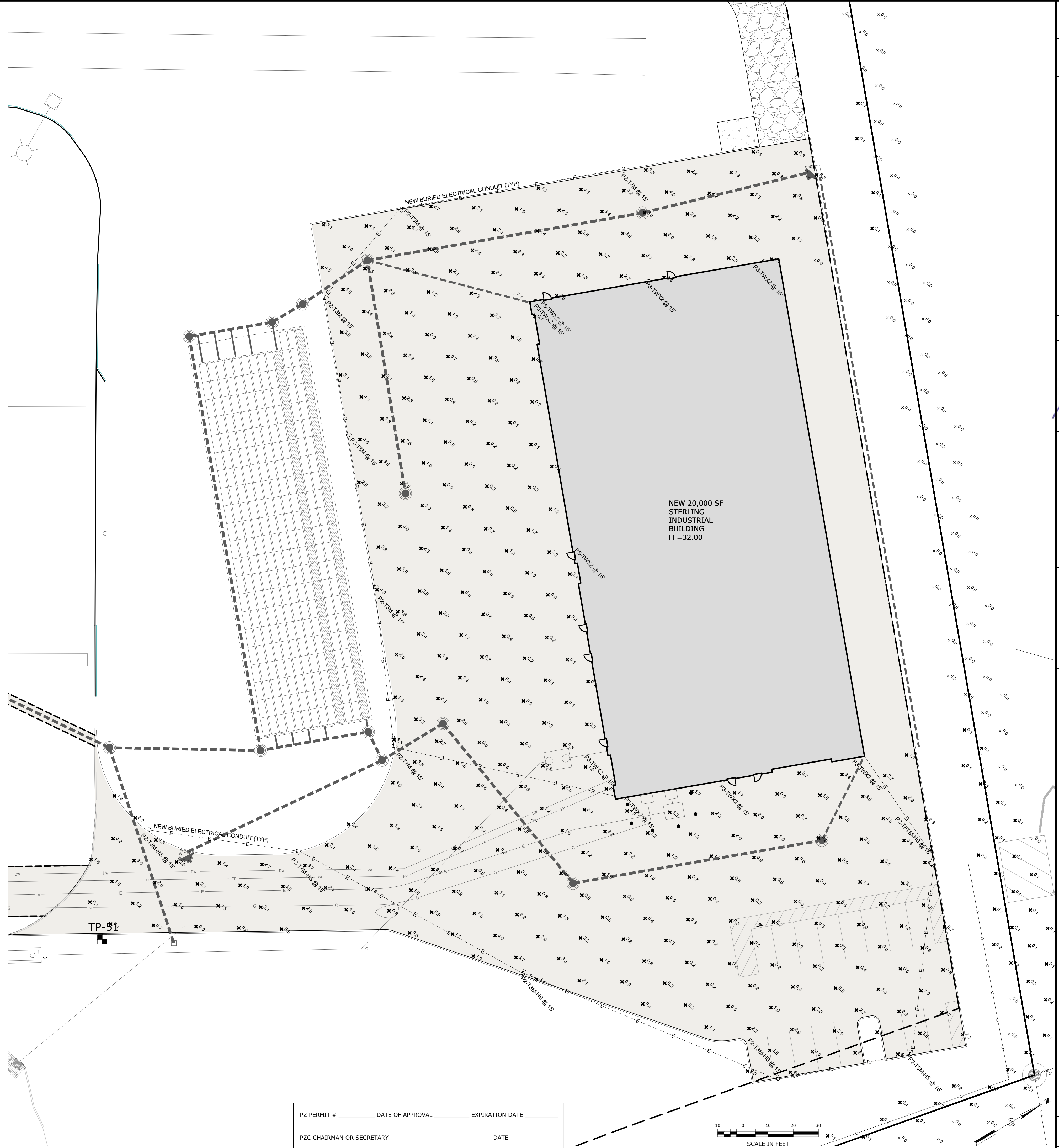
Width: 13.0"
Height: 9.0"
Depth: 4.5"
Weight: 11 lbs



NOTES
CONTRACTOR SELECT™ TWX2 LED ALO, ADJUSTABLE LIGHT OUTPUT WALPACK SHIELD LUMINAIRE TO BE COORDINATED IN SHOP DRAWING TO REFLECT PHOTOMETRIC DISTRIBUTION SHOWN.

WALL PACK LIGHT

SCALE: NONE



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

PHOTOMETRIC AND LIGHTING PLAN

GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335

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

SCALE: 1"=20'
DRAWN BY: ESP
DATE: 03/07/2023

APPROVED BY: SRM
DATE: 03/07/2023

PROJECT NO: 0451C2.06

DATE: 03/07/2023

DESCRIPTION OF REVISION

REV. _____ DATE _____

APPR. _____

DATE _____

STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
No. 11228

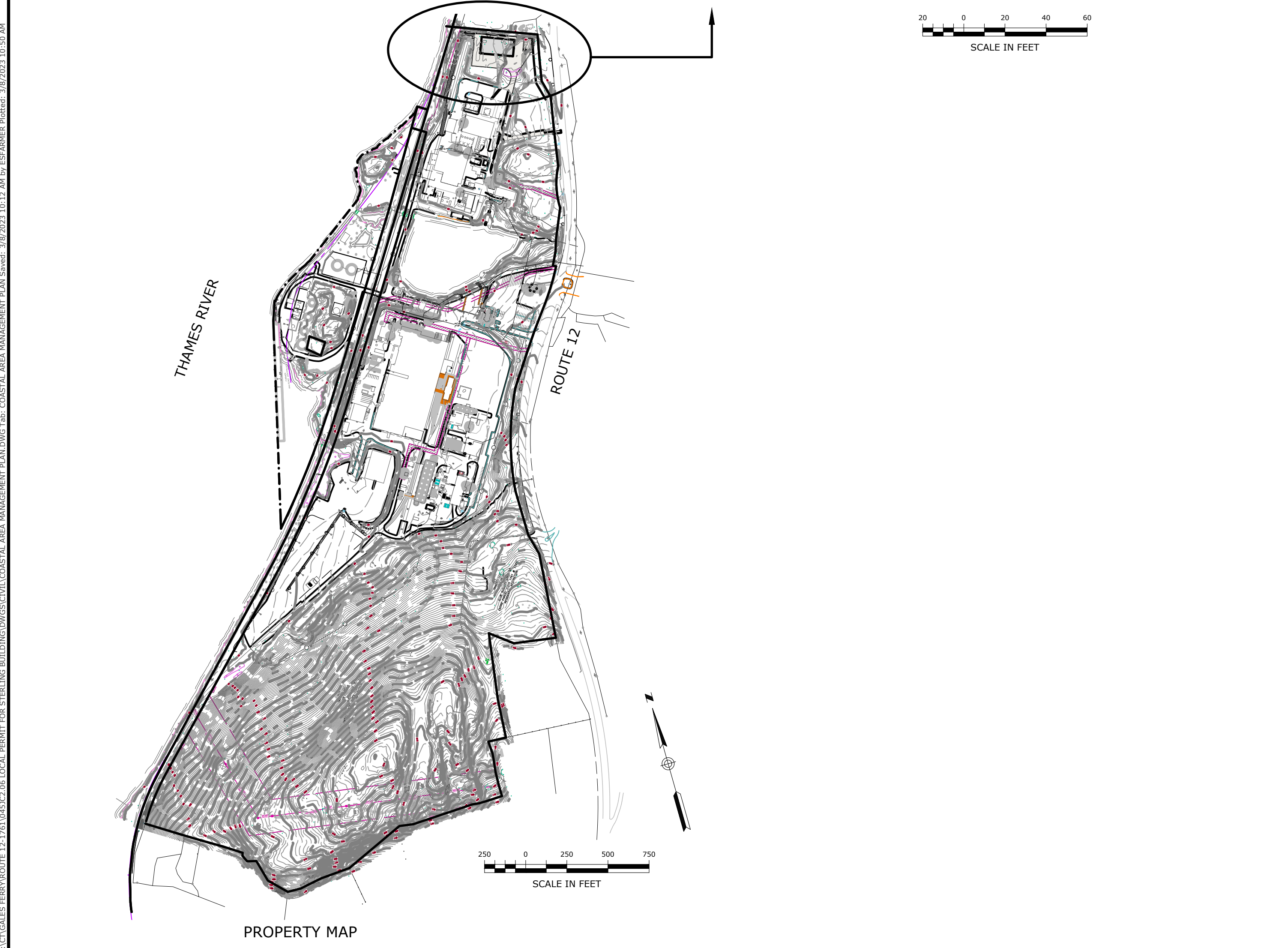
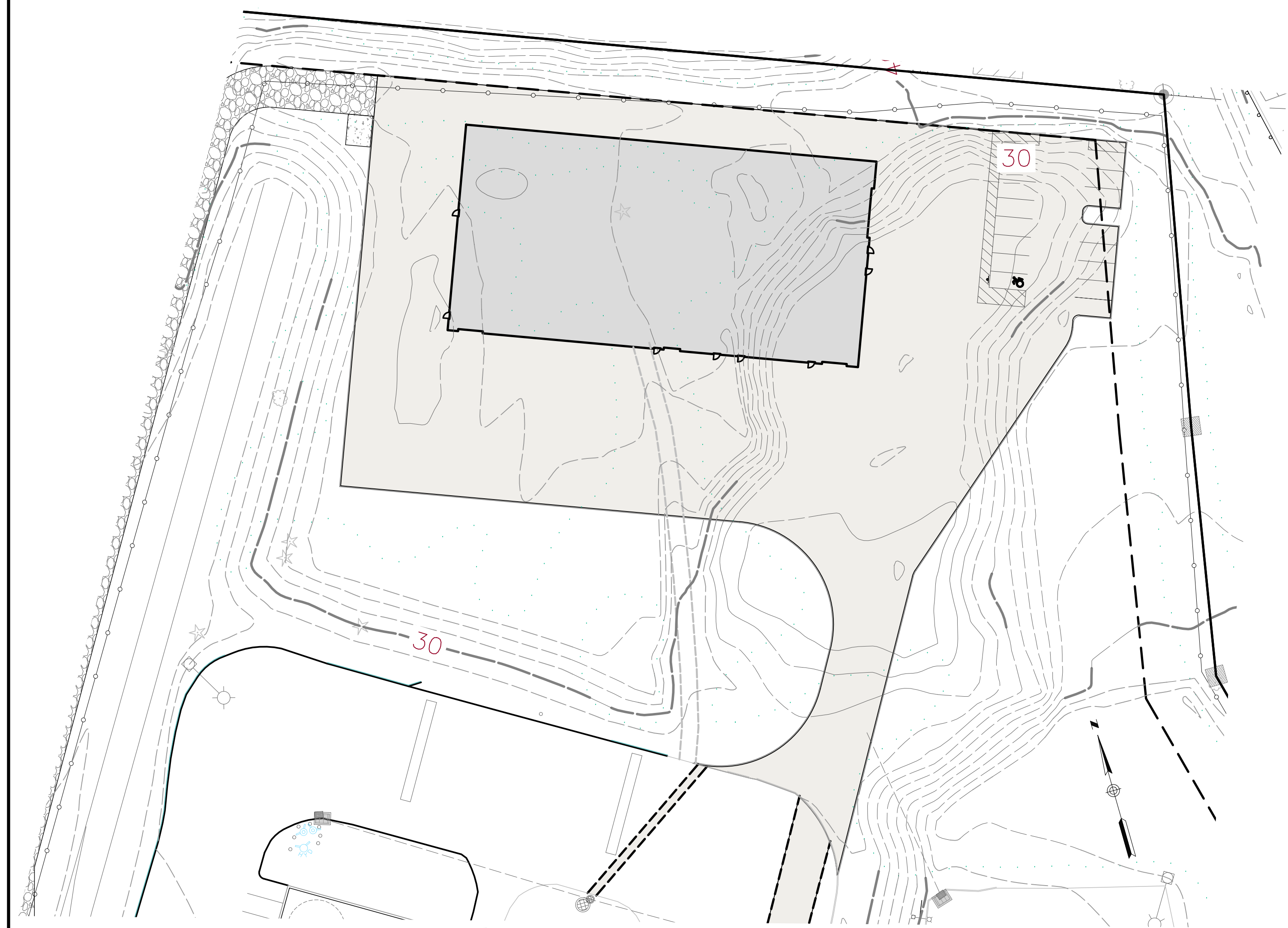
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Water & Facility Services & Laboratory
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DRAWING
C-10

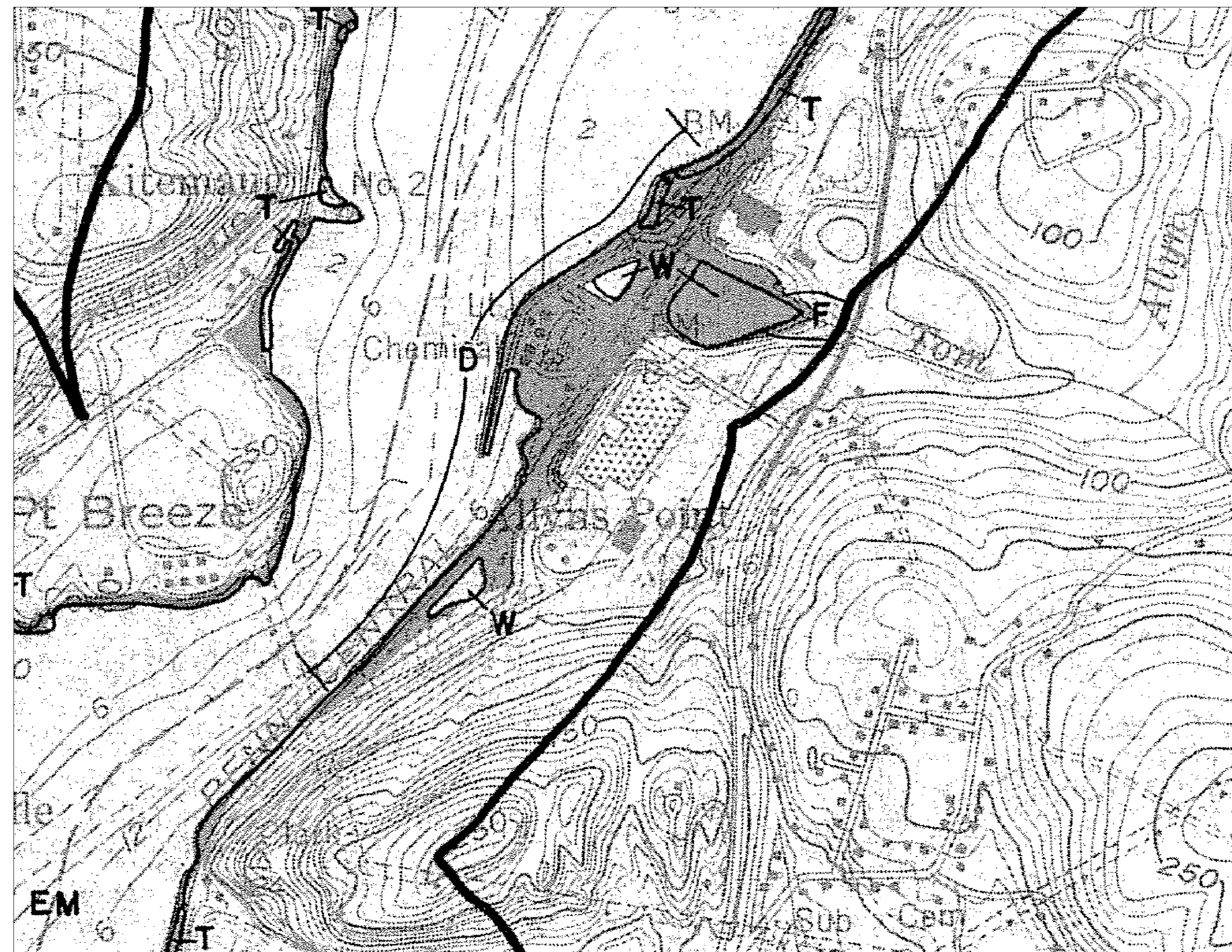
SHEET NO. 13 NO. OF SHEETS 20

V:\CT\GALES FERRY\ROUTE 12_1761\0451C2.06 LOCAL PERMIT FOR STERLING BUILDING\PHOTOMETRIC AND LIGHTING PLAN.dwg, 18/03/2023 10:09 AM by: ESP/ARM/PROD, 30/03/2023 10:09 AM



COASTAL RESOURCES

1. D- DEVELOPED SHOREFRONT: PORT AND HARBOR AREAS WHICH HAVE BEEN HIGHLY ENGINEERED AND DEVELOPED RESULTING IN THE FUNCTIONAL IMPAIRMENT OR SUBSTANTIAL ALTERATION OF THEIR NATURAL PHYSIOGRAPHIC FEATURES OR SYSTEMS.
2. W- WATER: OPEN WATER BODIES SUCH AS BUT NOT LIMITED TO LAKES AND PONDS SUBJECT TO REGULATION UNDER SECTIONS 22A-36 TO 22A-45 OF THE CONNECTICUT GENERAL STATUTES.
3. T - REGULATED TIDAL WETLANDS: OFFICIAL STATE DESIGNATED AND REGULATED TIDAL WETLANDS LOCATED WITHIN THE COASTAL BOUNDARY. THE AREAS DEPICTED ON THIS MAP SHALL IN NO WAY SUPERSEDE THE OFFICIAL STATE REGULATED TIDAL WETLAND MAPS AT THE SCALE OF 1:2400.
4. COASTAL 'FLOOD' HAZARD AREA: 100 YEAR COASTAL FLOOD HAZARD AREA AS IDENTIFIED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA). ON THOSE COASTAL ISLANDS CURRENTLY UNMAPPED BY FEMA, THE FLOOD HAZARD AREA IS CONSERVATIVELY APPROXIMATED BY THE 10' CONTOUR INTERVAL.
5. EM - ESTUARINE EMBAYMENTS: PROTECTED COASTAL WATER BODIES WITH AN OPEN CONNECTION TO THE SOUND INCLUDING TIDAL RIVERS, BAYS, COVES AND LAGOONS.
6. SHORELANDS: UPLAND AREAS AT ELEVATIONS IN EXCESS OF THE 100 YEAR STILL WATER FLOOD LEVEL AND LOCATED WITHIN THE COASTAL BOUNDARY.



COASTAL RESOURCES

1979. PREPARED BY COASTAL AREA MANAGEMENT PROGRAM, CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

STATE OF CONNECTICUT
 GEORGE F. ANDERSON
 No. 10285
 LICENSED PROFESSIONAL ENGINEER

Loureiro
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 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
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SCALE AS NOTED	SCALE AS NOTED
CROWN NO. 0451C2.06	CROWN NO. 0451C2.06
DRAWN BY: ESP	DRAWN BY: SRM
DATE: 03/07/2023	DATE: 03/07/2023
APPROVED BY: SRM	APPROVED BY: SRM

COASTAL AREA MANAGEMENT PLAN
GALES FERRY INTERMODAL
 1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL, LLC
 389 SOUTH STREET, GAITHERSBURG, MD 20878

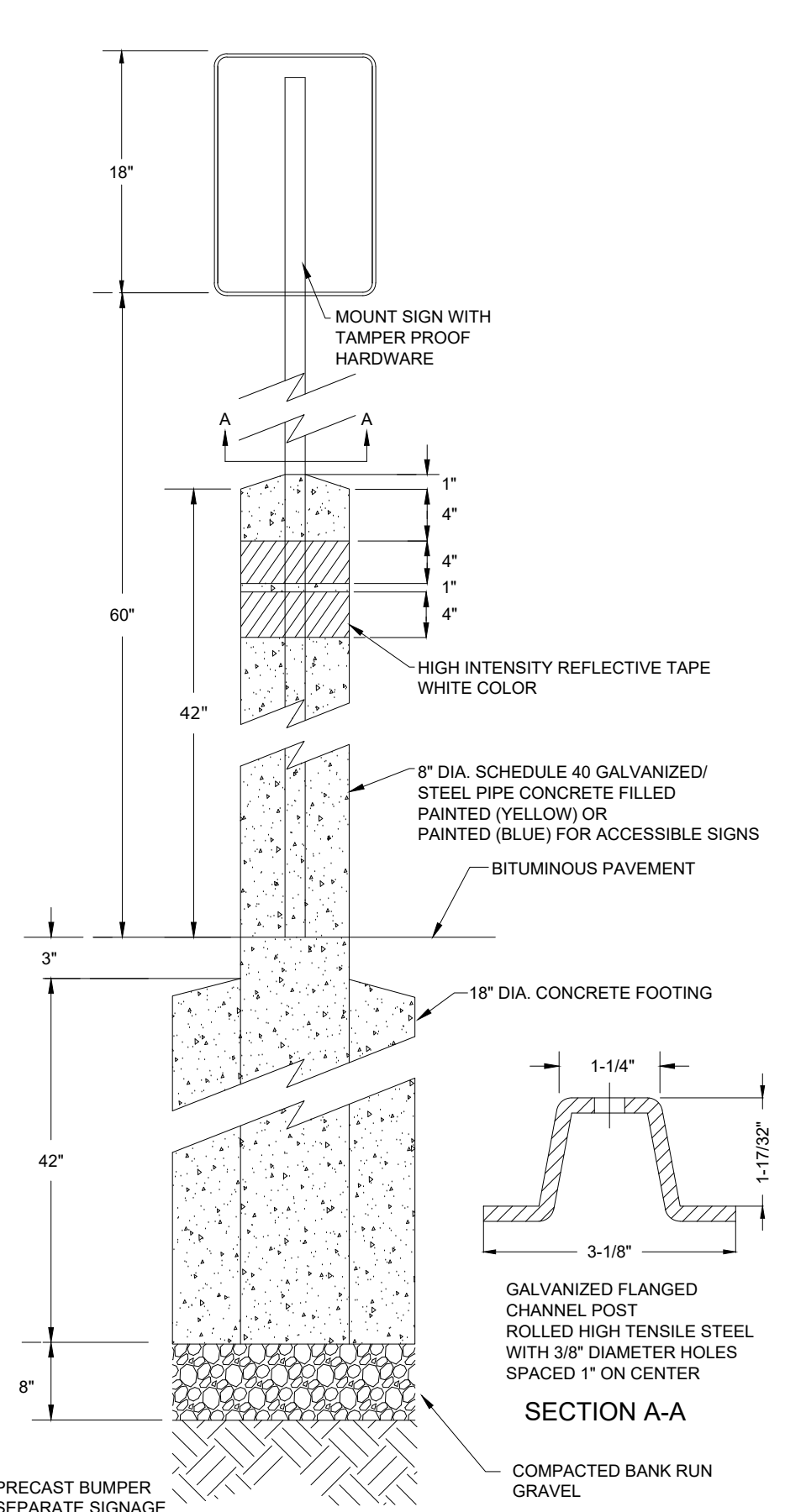
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SHEET NO. 14 NO. OF SHEETS 20

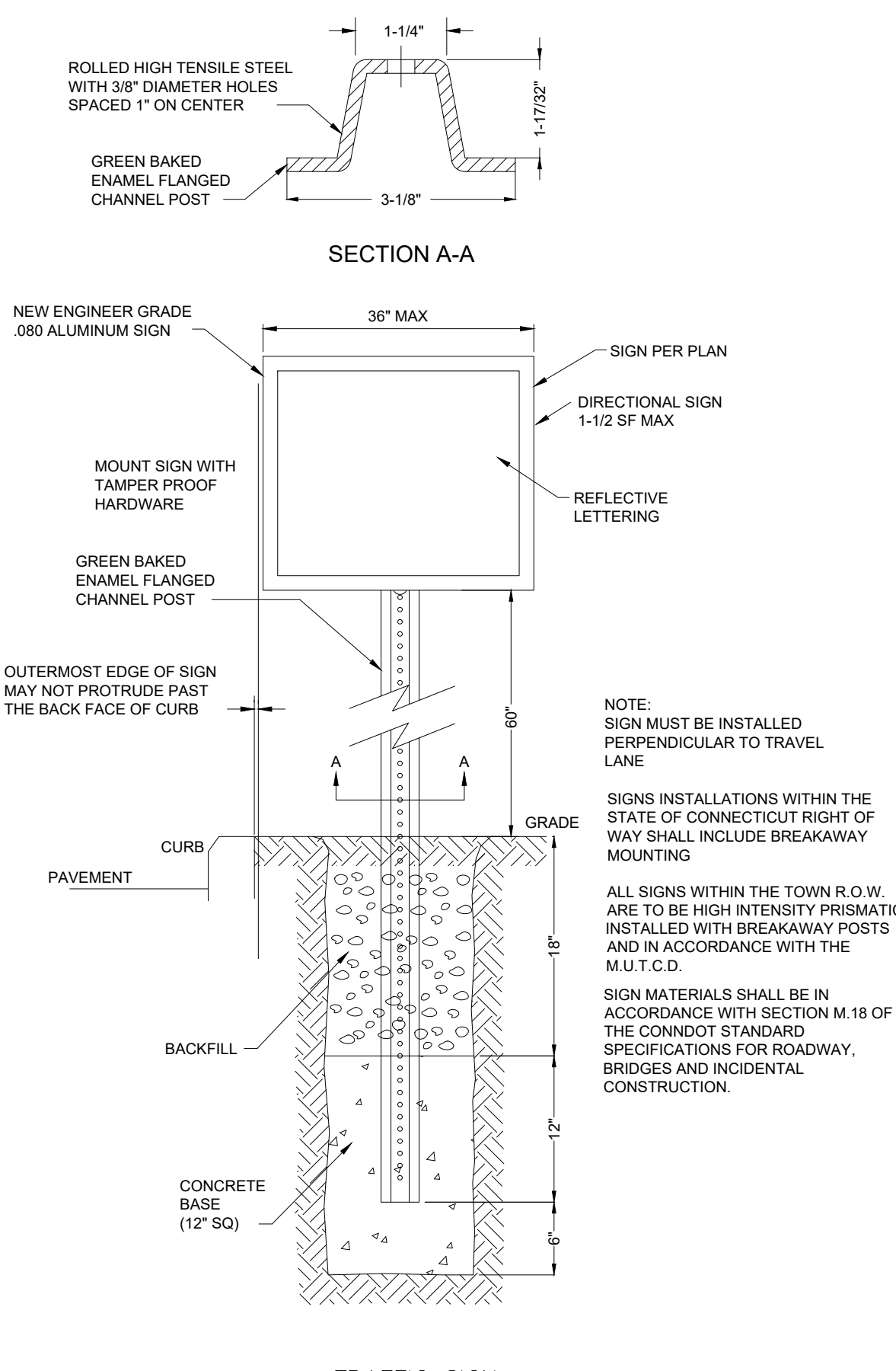
V:\ACT\GALES FERRY\ROUTE 12_1761\0451C2.06\LOCAL PERMIT FOR STEELING BUILDINGS\0451C2\COASTAL AREA MANAGEMENT PLAN\COASTAL AREA MANAGEMENT PLAN.dwg, 3/8/2023 10:12 AM BY: ESP/ARW/PT/AL



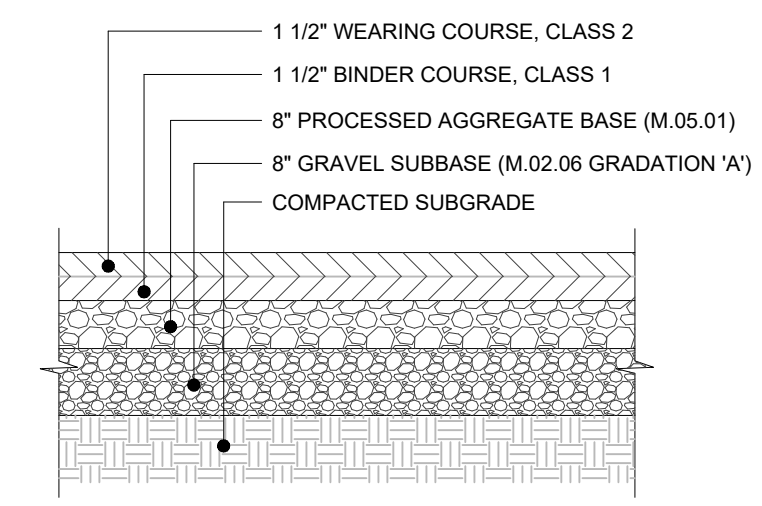
SIGN DETAIL
SCALE: NONE



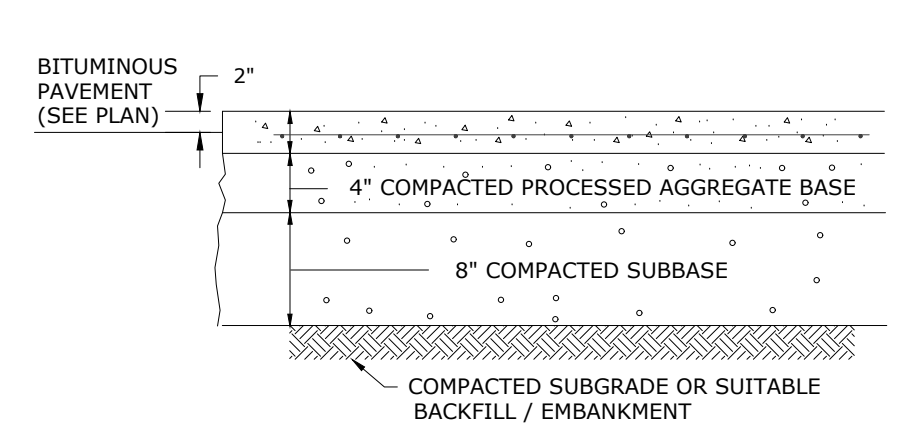
BOLLARD MOUNTED SIGNAGE
SCALE: NONE



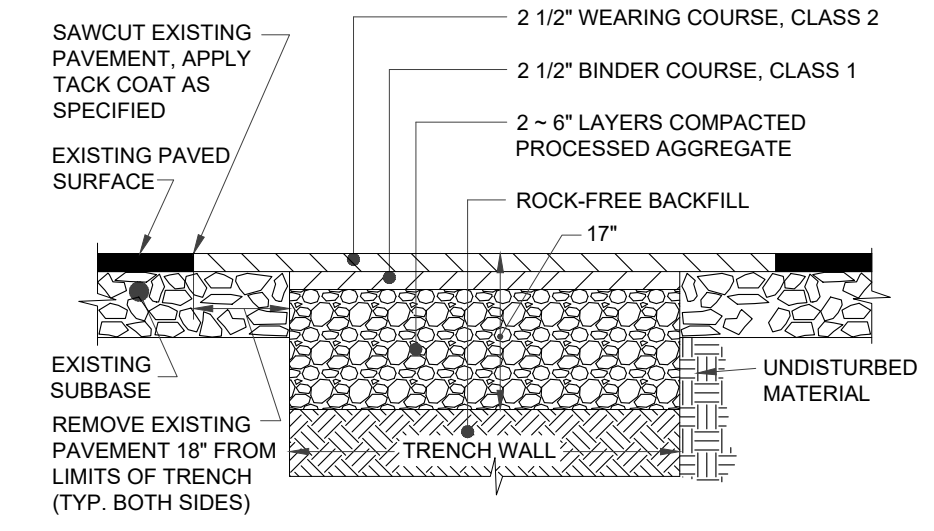
TRAFFIC SIGN
NOT TO SCALE



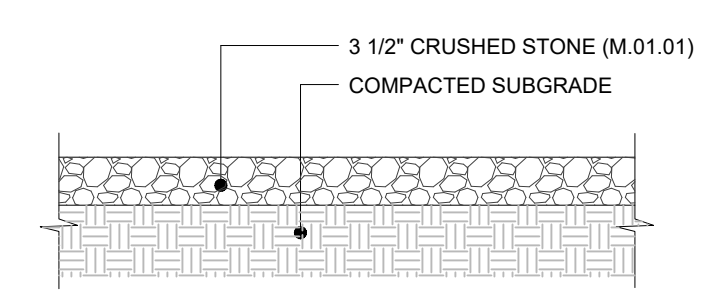
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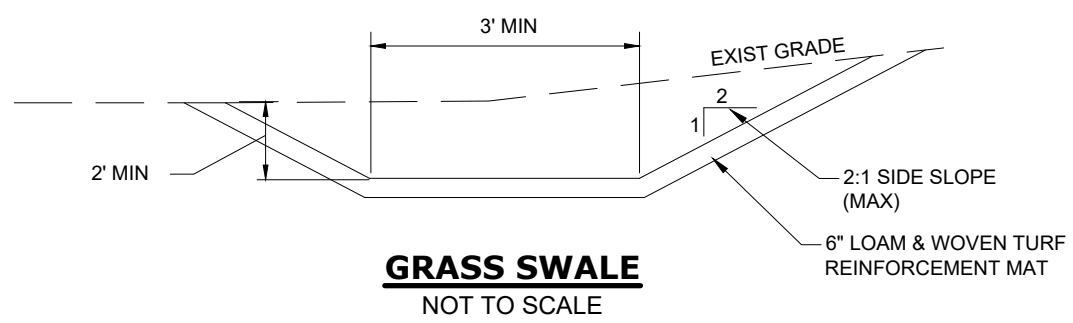
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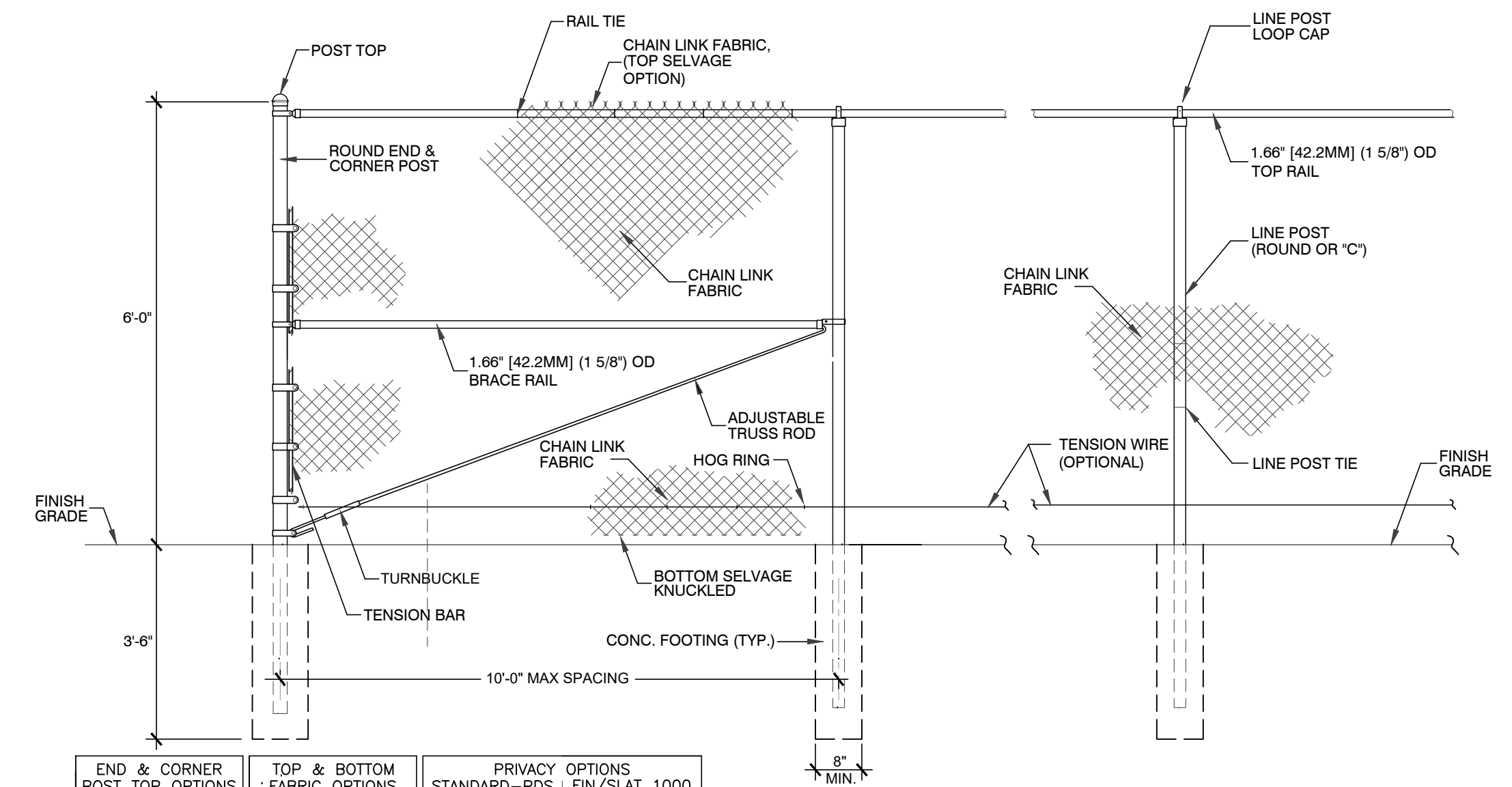
PAVEMENT REPLACEMENT DETAIL
NOT TO SCALE



GRAVEL SURFACE X-SECTION
NOT TO SCALE



GRASS SWALE
NOT TO SCALE



FENCE SECTION ELEVATION - ROUND END POSTS

NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. SPECIFICATIONS SHOWN CAN BE CHANGED BY MASTER HALCO ONLY.
3. FOOTING WIDTH TO BE (4)X POST WIDTH. MINIMUM DEPTH 36" [914MM].

END & CORNER POST TOP OPTIONS		TOP & BOTTOM FABRIC OPTIONS		PRIVACY OPTIONS STANDARD-PDS FIN/SLAT 1000	

CHAINLINK FENCE
NOT TO SCALE

STATE OF CONNECTICUT
PROFESSIONAL ENGINEER
No. 11028
Loureiro Engineering Associates, Inc.
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
389 SOUTH STREET, DANIELSON, CT 06248

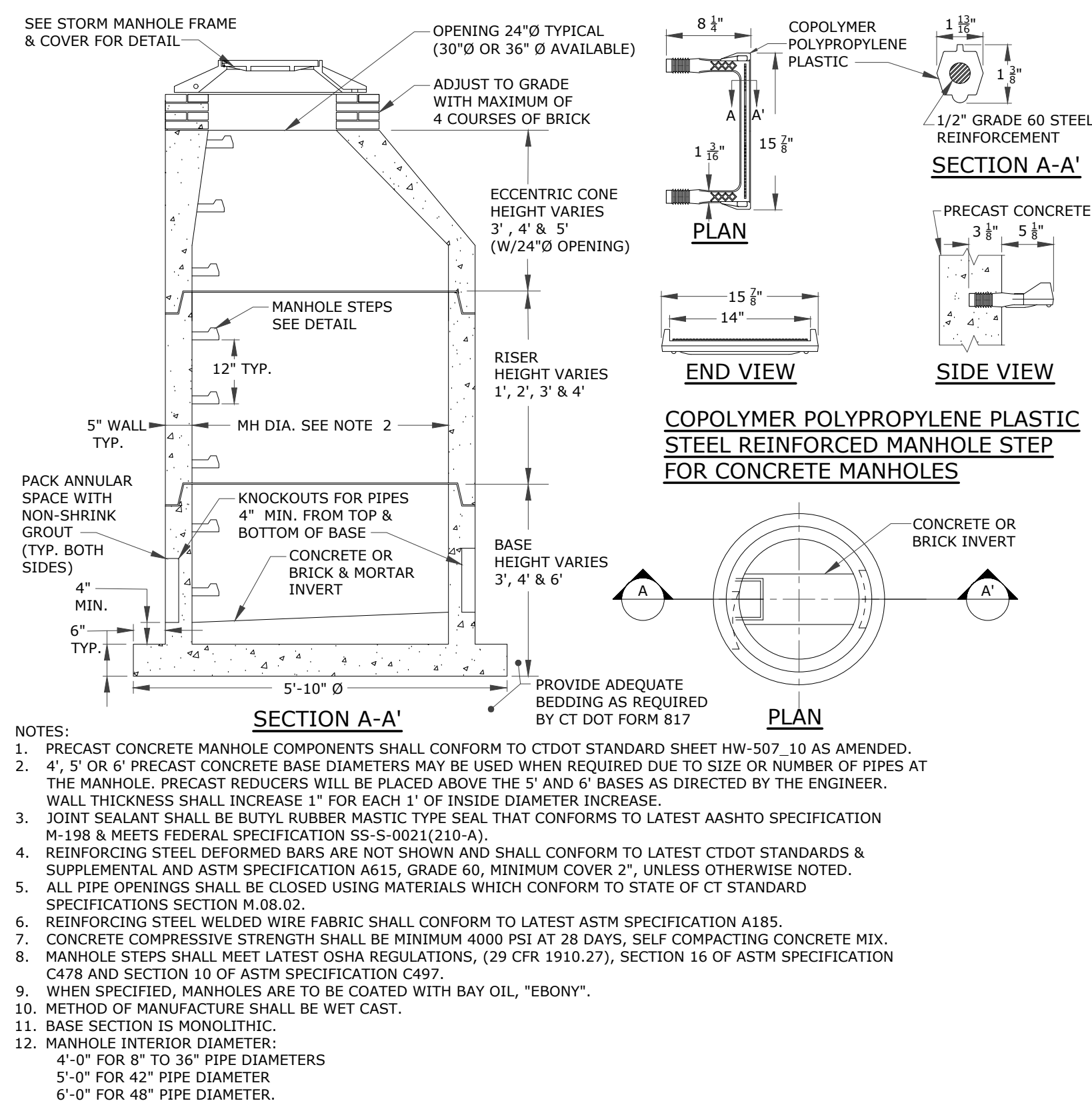
DATE: 03/07/2023
DESCRIPTION OF REVISION: _____
REV: _____
DATE: _____

SCALE: NOT TO SCALE
DRAWING NO: 0451C2.06
DATE: 03/07/2023
DRAWN BY: ESP
APPROVED BY: SRM

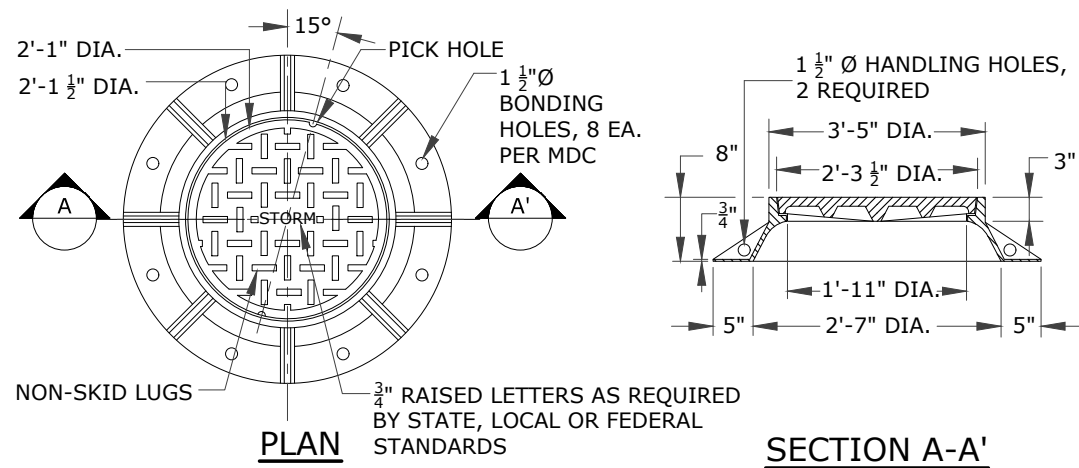
SITE DETAILS 1
GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL LLC
389 SOUTH STREET, DANIELSON, CT 06248

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

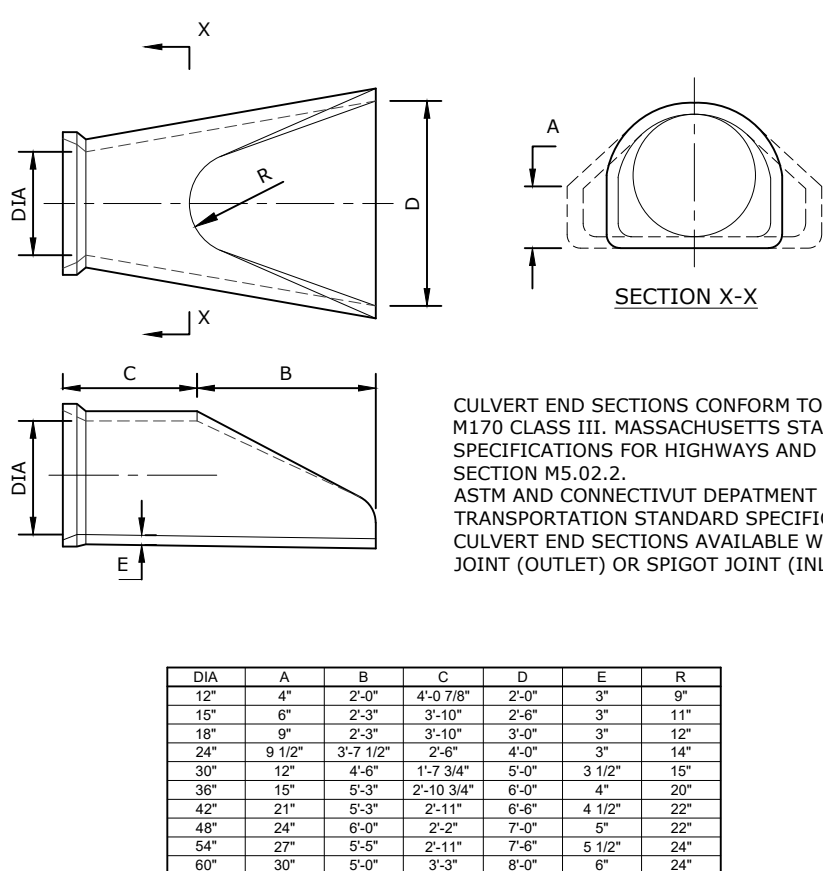
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SHEET NO. 15 NO. OF SHEETS 20



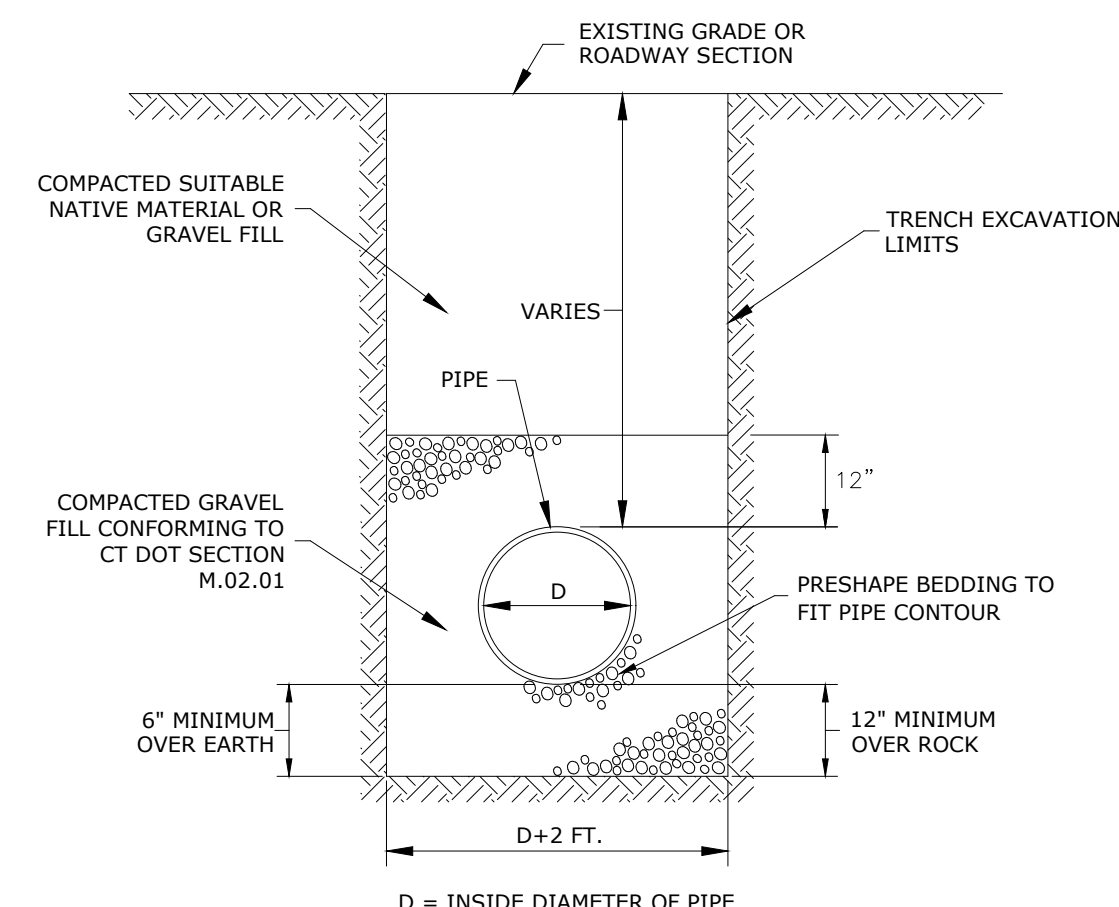
STANDARD PRECAST CONCRETE STORM MANHOLE DETAIL
SCALE: NONE



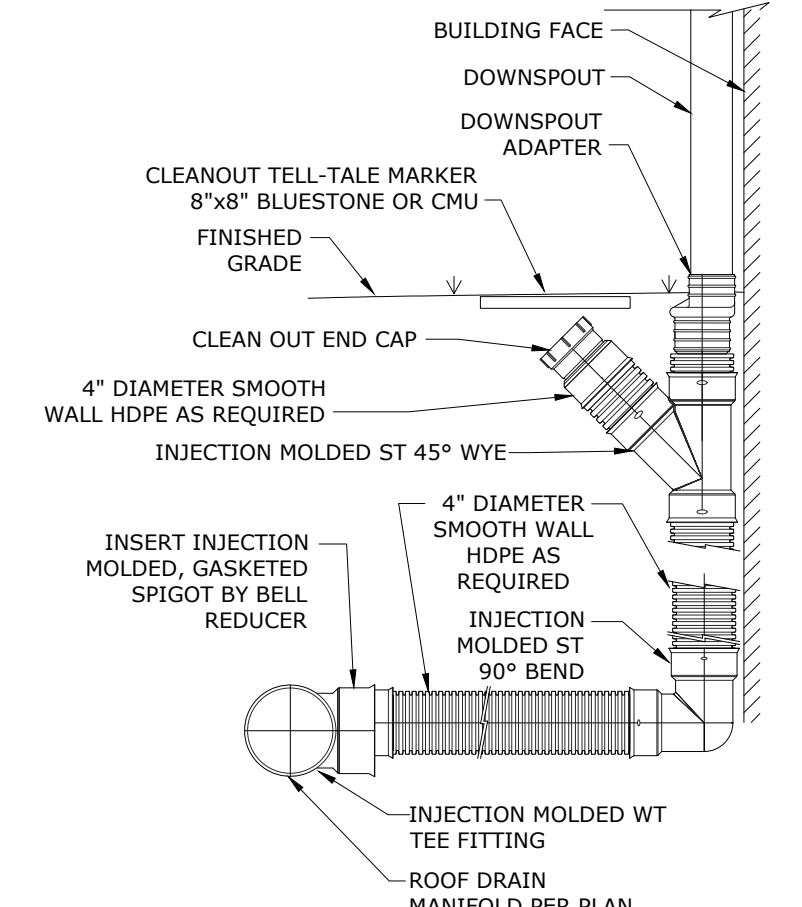
STORM MANHOLE FRAME & COVER DETAIL
SCALE: NONE



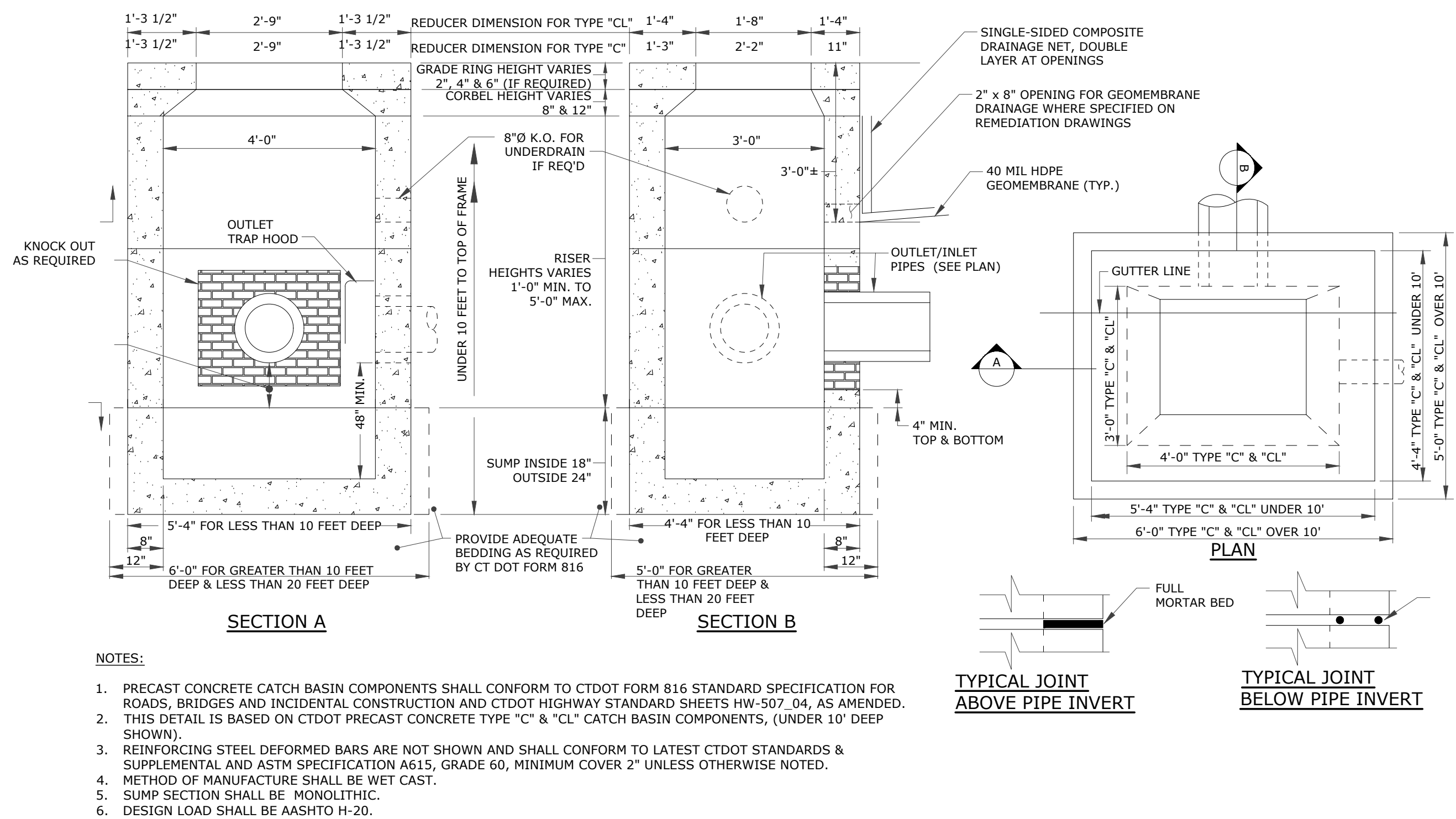
REINFORCED CONCRETE CULVERT ENDS
NOT TO SCALE



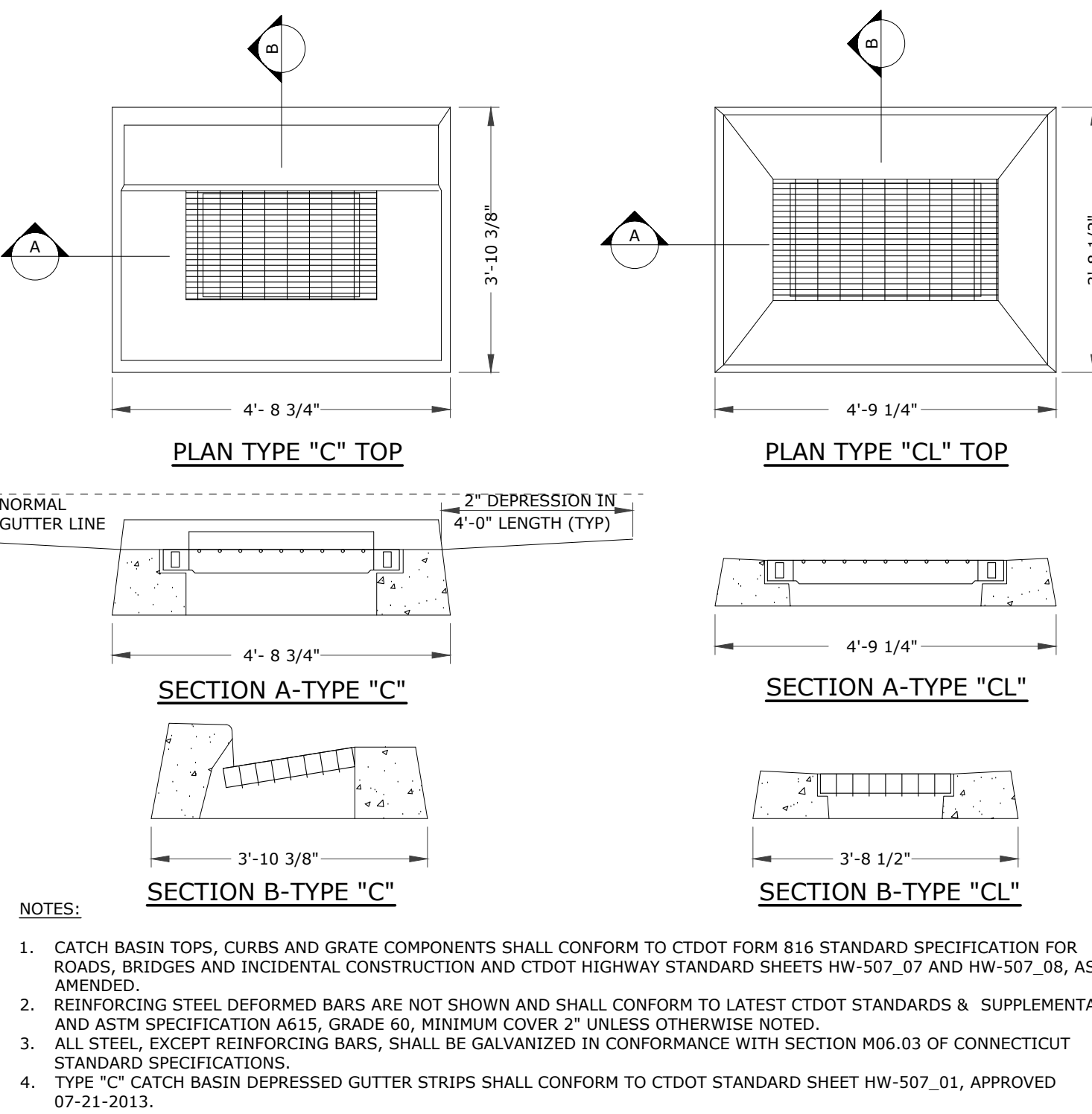
STORM DRAIN TRENCH
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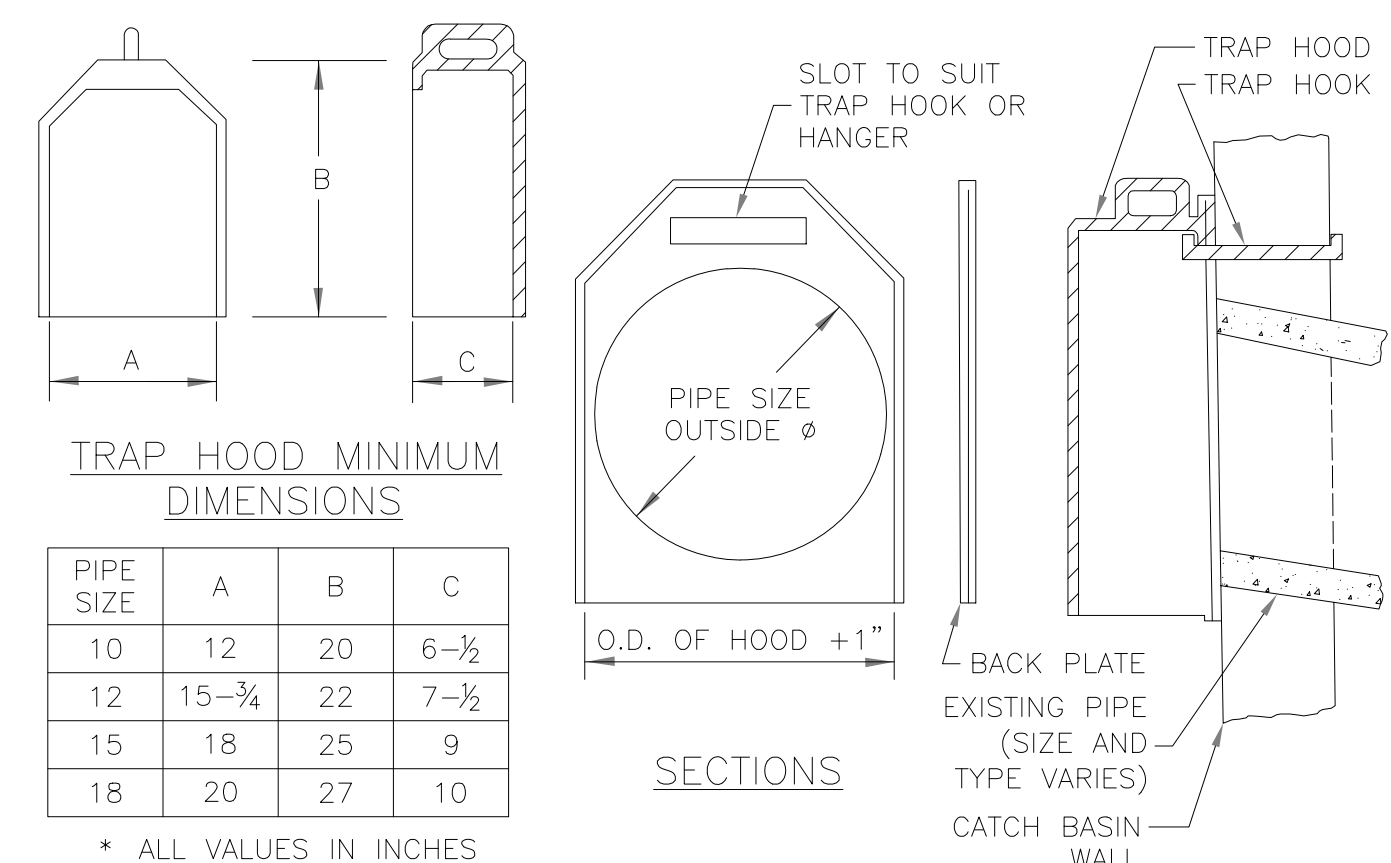
ROOF DRAIN DOWNSPOUT CONNECTION
NOT TO SCALE



TYPE "C" & "C-L" PRECAST CONCRETE CATCH BASIN DETAIL
NOT TO SCALE



TYPE "C" & "C-L" CATCH BASIN TOP DETAILS
NOT TO SCALE



- TRAP HOOD MINIMUM DIMENSIONS**
- | PIPE SIZE | A | B | C |
|-----------|--------|----|-------|
| 10 | 12 | 20 | 6-1/2 |
| 12 | 15-3/4 | 22 | 7-1/2 |
| 15 | 18 | 25 | 9 |
| 18 | 20 | 27 | 10 |
- * ALL VALUES IN INCHES

CATCH BASIN TRAP HOOD
NOT TO SCALE

STATE OF CONNECTICUT
REGISTRAR OF PROFESSIONAL ENGINEERS
No. 11225
L. LOUREIRO
PROFESSIONAL ENGINEER

Loureiro
Water & Facility Services • Energy • Laboratory
Loureiro Engineering Associates, Inc.
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1761 ROUTE 17, GALETS FERRY, CONNECTICUT 06335
Tel: 860-742-0150 • Fax: 860-742-8622
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DRAWN BY: ESP
CHECKED BY: SRM

SCALE: NOT TO SCALE
DRAWING NO: 0451C2.06
DATE: 03/07/2023
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SITE DETAILS 2

GALETS FERRY INTERMODAL
1761 ROUTE 17, GALETS FERRY, CONNECTICUT 06335
GALETS FERRY INTERMODAL LLC
389 SOUTH STREET, CONNICOCT, CT 06248

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

V:\CADD\GALES FERRY\ROUTE 12\176104327.DWG LOCAL PERMIT FOR STEELING BUILDING\CONCRETE\DETAILS\10-C\DETAILS\10-C.DWG 5/19/2023 10:50 AM

CDS4045-8-C DESIGN NOTES

THE STANDARD CDS4045-8-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION	
GRATED INLET ONLY (NO INLET PIPE)	
GRATED INLET WITH INLET PIPE OR PIPES	
CURB INLET ONLY (NO INLET PIPE)	
CURB INLET WITH INLET PIPE OR PIPES	
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)	
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS	

PLAN VIEW B-B
N.T.S.

ELEVATION A-A
N.T.S.

FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS		
STRUCTURE ID		
WATER QUALITY FLOW RATE (CFS OR L/s)	*	
PEAK FLOW RATE (CFS OR L/s)	*	
RETURN PERIOD OF PEAK FLOW (YRS)	*	
SCREEN APERTURE (2400 OR 4700)	*	
PIPE DATA:	I.E.	MATERIAL
INLET PIPE 1	*	*
INLET PIPE 2	*	*
OUTLET PIPE	*	*
RIM ELEVATION	*	
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT
NOTES/SPECIAL REQUIREMENTS:	*	
* PER ENGINEER OF RECORD		

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
- CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET AASHTO M 306 AND CASTINGS SHALL MEET AASHTO M 306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
- IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CDS4045-8-C
INLINE CDS
STANDARD DETAIL

9025 Centre Pointe Dr., Suite 400, West Chester, OH 45099
800-338-1122 513-645-7000 513-645-7993 FAX

CDS5653-10-C DESIGN NOTES

THE STANDARD CDS5653-10-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION	
GRATED INLET ONLY (NO INLET PIPE)	
GRATED INLET WITH INLET PIPE OR PIPES	
CURB INLET ONLY (NO INLET PIPE)	
CURB INLET WITH INLET PIPE OR PIPES	
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)	
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS	

PLAN VIEW B-B
N.T.S.

ELEVATION A-A
N.T.S.

FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS		
STRUCTURE ID		
WATER QUALITY FLOW RATE (CFS OR L/s)	*	
PEAK FLOW RATE (CFS OR L/s)	*	
RETURN PERIOD OF PEAK FLOW (YRS)	*	
SCREEN APERTURE (2400 OR 4700)	*	
PIPE DATA:	I.E.	MATERIAL
INLET PIPE 1	*	*
INLET PIPE 2	*	*
OUTLET PIPE	*	*
RIM ELEVATION	*	
ANTI-FLOTATION BALLAST	WIDTH	HEIGHT
NOTES/SPECIAL REQUIREMENTS:	*	
* PER ENGINEER OF RECORD		

GENERAL NOTES

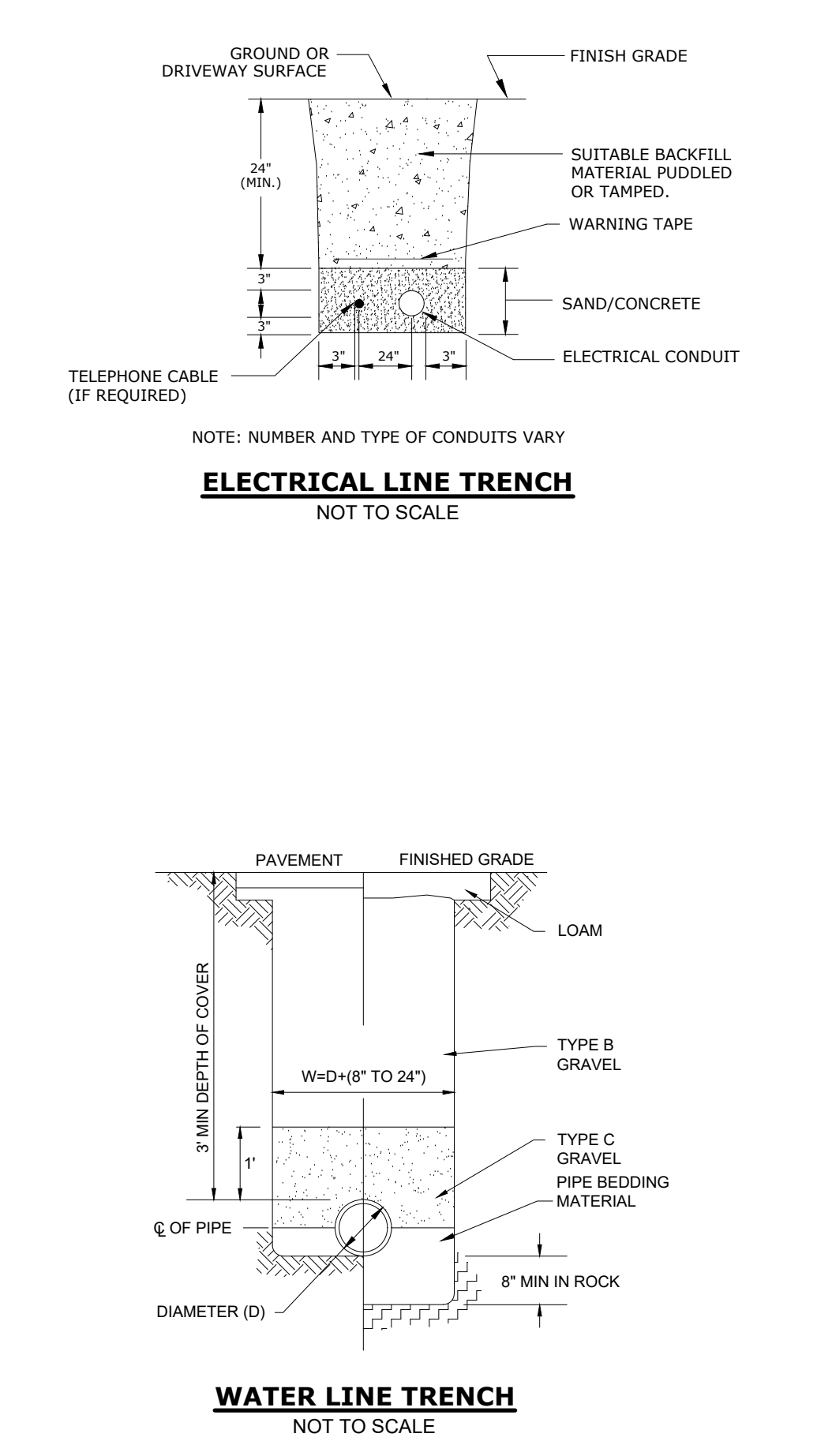
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
- CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET AASHTO M 306 AND CASTINGS SHALL MEET AASHTO M 306 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET H320 (AASHTO M 306) AND BE CAST WITH THE CONTECH LOGO.
- IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CDS5653-10-C
INLINE CDS
STANDARD DETAIL

9025 Centre Pointe Dr., Suite 400, West Chester, OH 45099
800-338-1122 513-645-7000 513-645-7993 FAX



SITE DETAILS 3

GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335

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

SCALE	NOT TO SCALE
DATE	03/07/2023
DRAWN BY	ESF
APPROVED BY	SRM

DATE: 03/07/2023
DESCRIPTION OF REVISION: _____
REV: _____

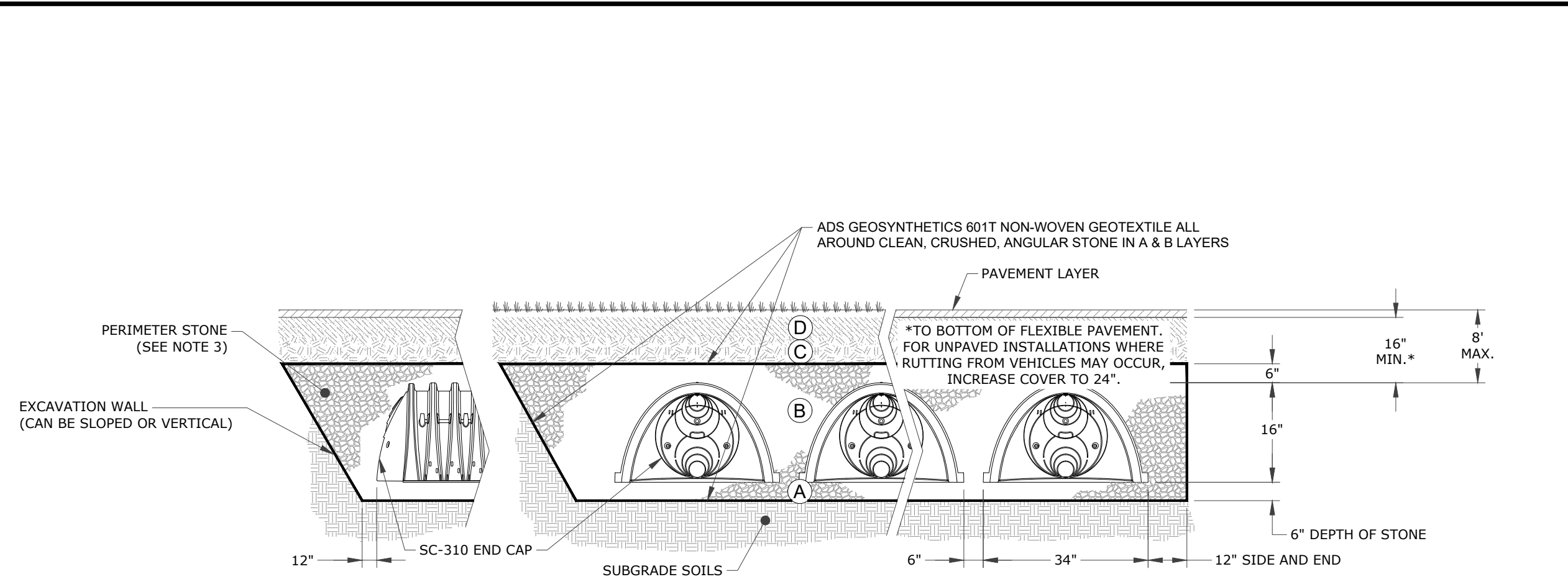
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PZC CHAIRMAN OR SECRETARY _____ DATE _____

DRAWING

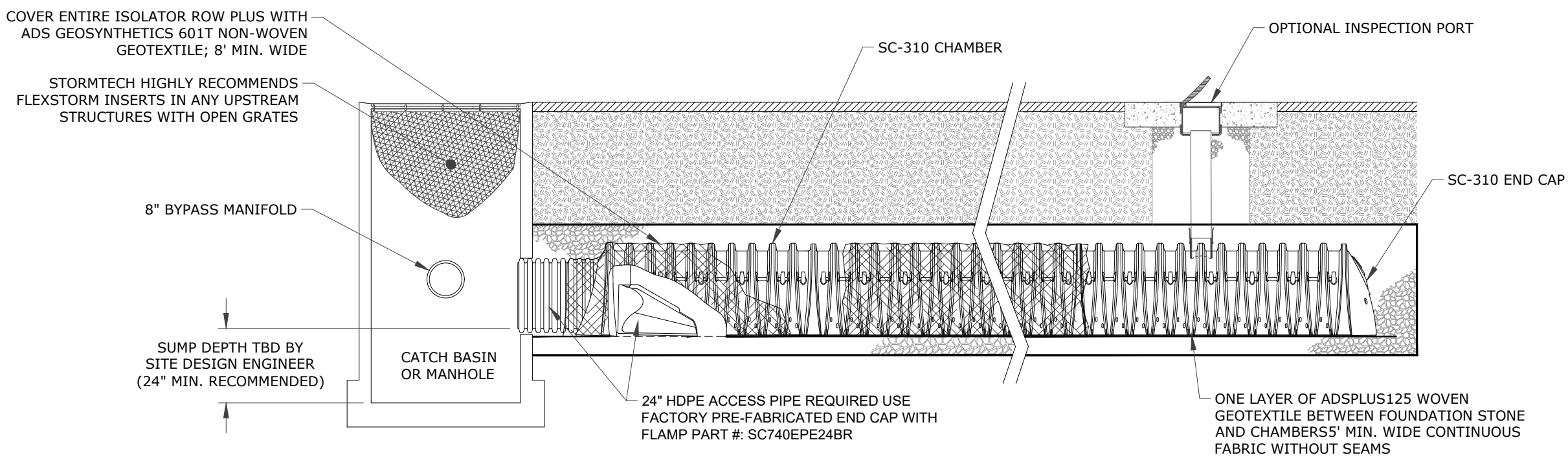
C-14

SHEET NO. 17 NO. OF SHEETS 20



- NOTES:**
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 - REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING SLUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

ADS STORMTECH SC-310 CROSS-SECTION
NOT TO SCALE



ADS STORMTECH SC-310 ISOLATOR ROW
NOT TO SCALE



STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	A	B	C
SC310EPE06T / SC310EPE06TPC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	---
SC310EPE06B / SC310EPE06BPC	---	---	---	0.5" (13 mm)
SC310EPE08T / SC310EPE08TPC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	---
SC310EPE08B / SC310EPE08BPC	---	---	---	0.6" (15 mm)
SC310EPE10T / SC310EPE10TPC	10" (250 mm)	12.7" (323 mm)	---	---
SC310EPE10B / SC310EPE10BPC	---	---	---	0.7" (18 mm)
SC310EPE12B	12" (300 mm)	13.5" (343 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310EPE12B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC310EPE12B THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL.

ADS STORMTECH SC-310 STUB LOCATIONS IN END CAPS
NOT TO SCALE

UNDERGROUND DETENTION SYSTEM ELEVATION SUMMARY TABLE

STRUCTURE ID	CHAMBER TYPE	NUMBER OF CHAMBERS	TOP OF STONE ELEV.	TOP OF CHAMBER ELEV.	BOTTOM OF CHAMBER ELEV.	BOTTOM OF STONE ELEV.	INLET MANIFOLD SIZE	OUTLET MANIFOLD SIZE	INLET STUB INVERT ELEV.	OUTLET STUB INVERT ELEV.
STORMWATER MANAGEMENT AREA 3	SC-310	156	28.33	27.83	26.50	26.00	12"x6"	12"x12"	26.54(6"Ø)	26.58(12"Ø)

ADS STORMTECH SC-310 ELEVATION SUMMARY TABLE

INLET/OUTLET CONTROL STRUCTURE ELEVATION SUMMARY TABLE

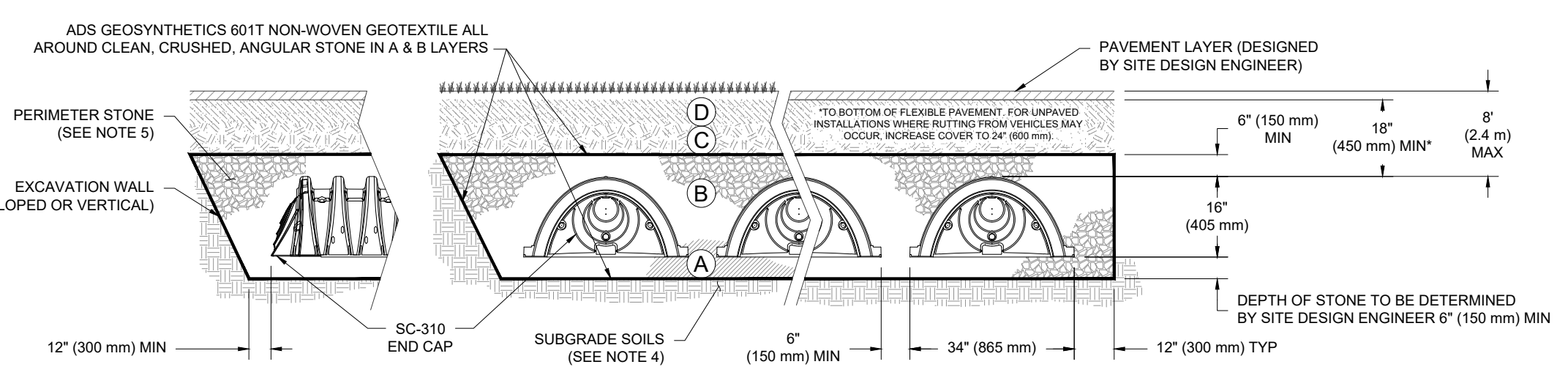
STRUCTURE ID	TOP OF FRAME ELEV. A	TOP OF WEIR PLATE ELEV. B	LOW-FLOW ORIFICE/WEIR INVERT ELEV. C	INLET PIPE INVERT ELEV. D	OUTLET PIPE 1 INVERT ELEV. E	OUTLET PIPE 2 INVERT ELEV. F
ICS-1	55.40	52.00	--	48.10 (18"Ø) (N)	48.10 (12"Ø; ISOLATOR ROW) (S)	48.10 (12"Ø; INLET MANIFOLD) (E)
ICS-2	32.30	27.70	--	26.60 (15"Ø) (W)	26.60 (6"Ø; ISOLATOR ROW) (E)	26.60 (12"Ø; INLET MANIFOLD) (N & S)
ICS-3	31.75	27.70	--	26.60 (12"Ø) (N)	26.60 (6"Ø; ISOLATOR ROW) (W)	26.60 (12"Ø; INLET MANIFOLD) (S)
ICS-4	30.55	27.70	--	26.60 (12"Ø) (S)	26.60 (6"Ø; ISOLATOR ROW) (W)	26.60 (12"Ø; INLET MANIFOLD) (N)
OCS-1	37.45	36.45	35.00 (5"Ø ORIFICE) 31.00 (6"Ø ORIFICE)	--	--	31.00 (15"Ø) (E)
OCS-2	55.80	52.70	50.00 (6"Ø ORIFICE) 48.00 (5"Ø ORIFICE)	48.10 (12"Ø) (W)	--	45.00 (15"Ø) (N)
OCS-3	31.70	27.83	9.1 (6"Ø ORIFICE) 8.5 (6"Ø ORIFICE)	26.60 (12"Ø) (N)	--	25.50 (12"Ø) (E)

INLET CONTROL STRUCTURE (ICS) AND OUTLET CONTROL STRUCTURE (OCS)

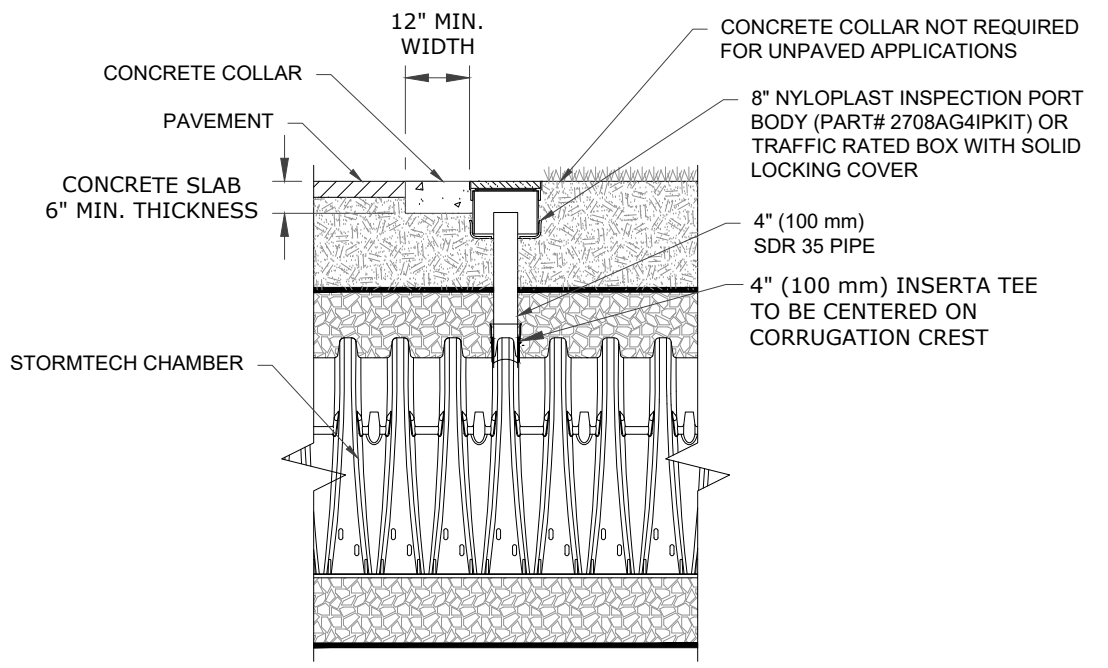
ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

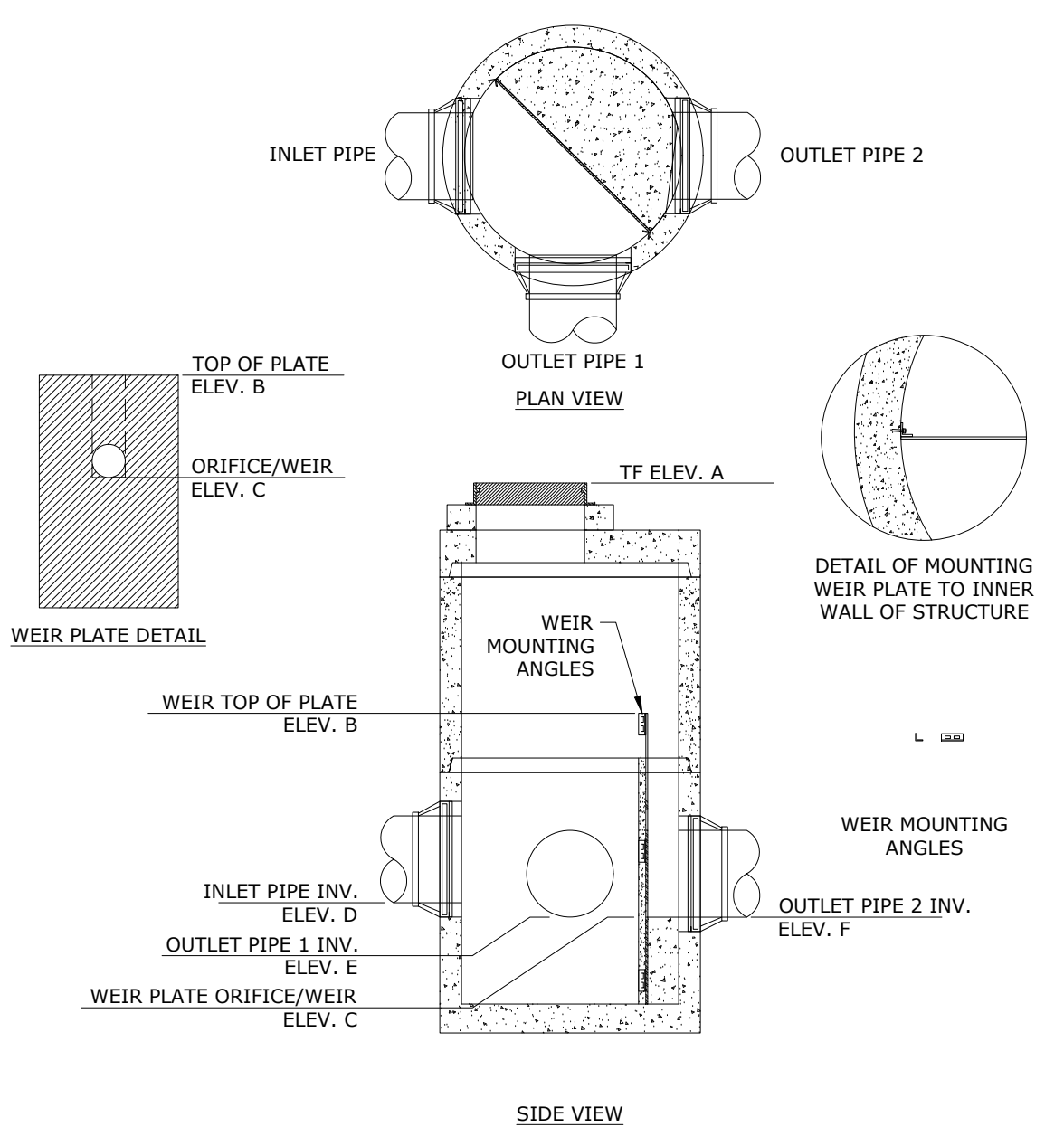
- PLEASE NOTE:
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 - STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 - WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 - ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



ADS STORMTECH ACCEPTABLE FILL MATERIALS
NOT TO SCALE



ADS STORMTECH SC-310 4\"/>



NOTE:
*5" OR 6" DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5" AND 6" BASES. WALL THICKNESS TO INCREASE 1" FOR EACH 1" OF INSIDE DIAMETER INCREASE.

STORMTECH SYSTEM OVERFLOW CONTROL STRUCTURE DETAIL
NOT TO SCALE

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

STATE OF CONNECTICUT
REGISTERED PROFESSIONAL ENGINEER
No. 10285

Loureiro
Water & Facility Services & Laboratory
Engineering • Construction • EPC • Energy

Loureiro Engineering Associates, Inc.
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
Tel: 860-747-0418 Fax: 860-747-8822
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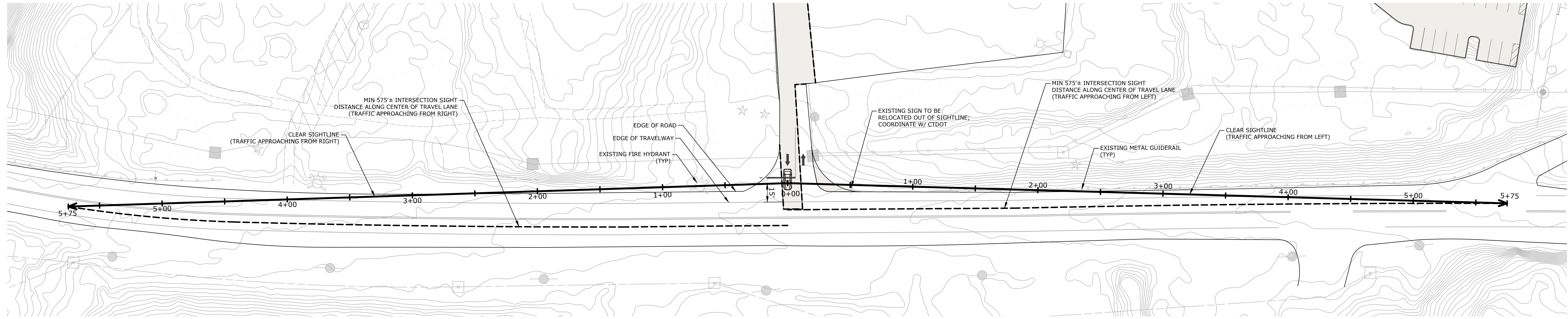
SCALE: NOT TO SCALE
DRAWN BY: ESP
CHECKED BY: SRM
DATE: 03/07/2023
DATE: 03/07/2023

STORMWATER DETAILS

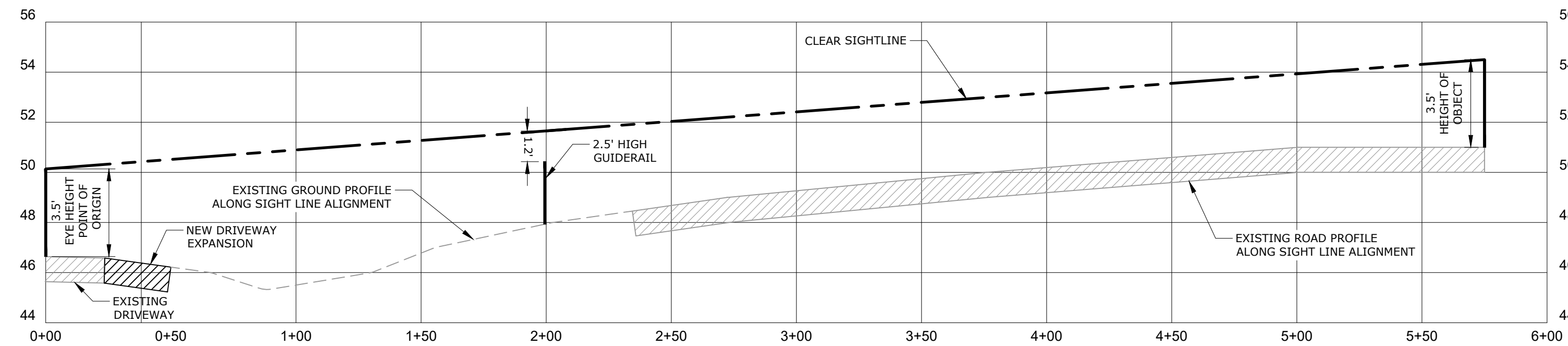
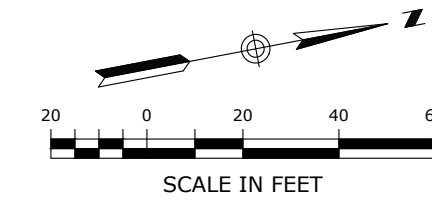
GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL LLC
389 SOUTH STREET, GAITHERSBURG, MD 20878

DESCRIPTION OF REVISION
DATE
REV.

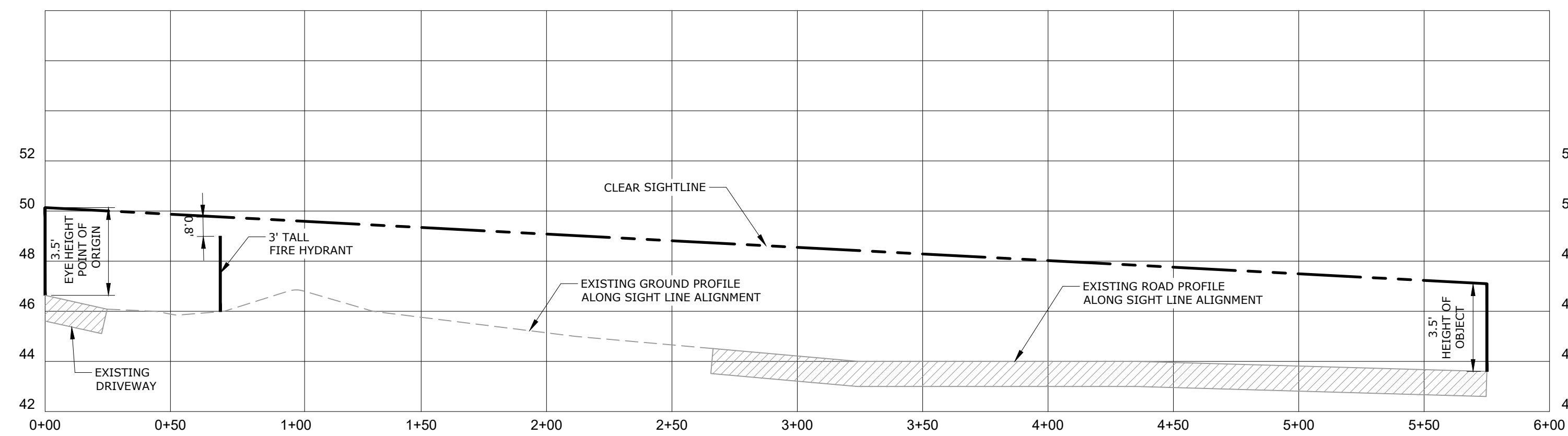
DRAWING
C-15
SHEET NO. 18 NO. OF SHEETS 20



SIGHTLINE PLAN
1" = 40'



PROFILE - SIGHTLINE TO THE LEFT
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'



PROFILE - SIGHTLINE TO THE RIGHT
HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 4'

NOTES:

- 1) EXISTING ROADSIDE VEGETATION WILL BE REMOVED / TRIMMED AS NEEDED TO PROVIDE THE CLEAR SIGHTLINES DEPICTED ON THIS PLAN. REFER TO SITE PREPARATION AND DEMOLITION PLAN.
- 2) TOPOGRAPHY AND ELEVATIONS DEPICTED ON THIS PLAN WERE OBTAINED FROM CTECO 2016 LIDAR.
- 3) INTERSECTION SIGHT DISTANCE (ISD) OF 575' IS BASED UPON RECORDED 85TH PERCENTILE SPEED OF 52 MPH, PROVIDED BY CTDOT.

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

REV.	DATE	DESCRIPTION OF REVISION



Loureiro
Water • Facility Services • Laboratory
Loureiro Engineering Associates, Inc.
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An Employee Owned Company • www.loureiro.com
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SCALE 1" = 40'	CROWN NO. 0451C2.06	DATE 03/07/2023	DATE 03/07/2023
DRAWN BY TCG	APPROVED BY SRM		

SIGHTLINE DEMONSTRATION PLAN

GALES FERRY INTERMODAL
1761 ROUTE 12, GALES FERRY, CONNECTICUT 06335
GALES FERRY INTERMODAL LLC
389 SOUTH STREET, DANBURY, CT 06810

DRAWING
C-17

SHEET NO. 20	NO. OF SHEETS 20
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