

GENERAL DYNAMICS ELECTRIC BOAT

EASTERN POINT ROAD · GROTON · CONNECTICUT PARKING LOT "B" PARKING EXPANSION PARKING LOT E RESTRIPIING PERMIT PLANS

JULY 3, 2019

PREPARED BY

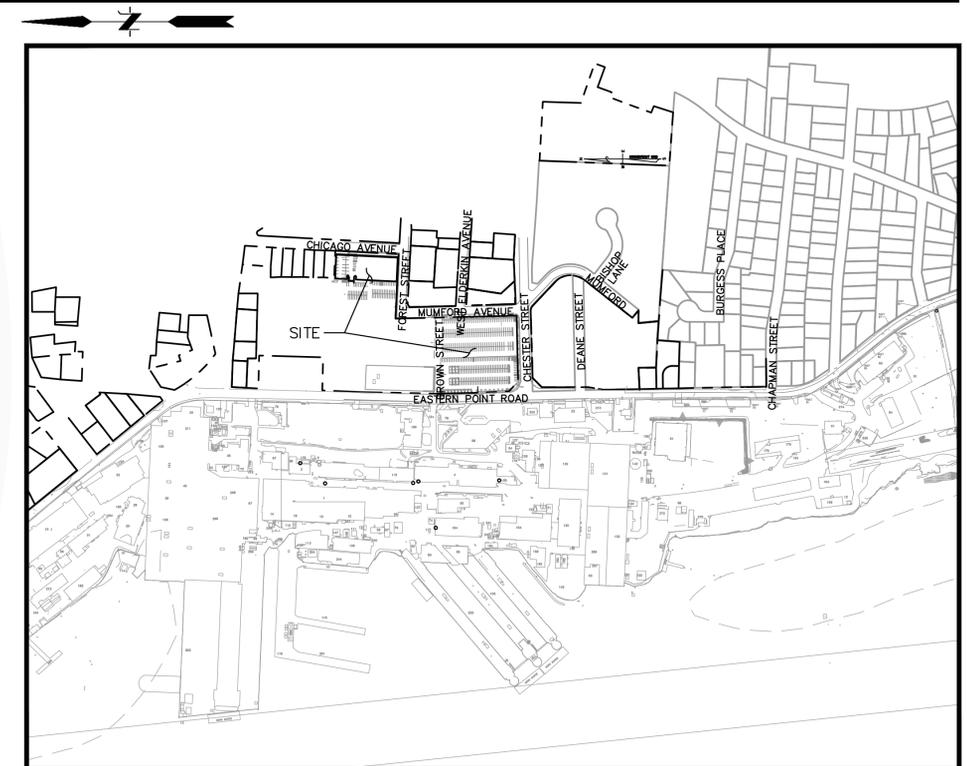


FUSS & O'NEILL

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860.646.2469
www.fando.com

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CP-101	SITE PREPARATION AND EROSION AND SEDIMENT CONTROL PLAN
CS-101	SITE LAYOUT AND LANDSCAPE PLAN LOT B
CS-102	PAVEMENT RESTRIPIING PLAN LOT E
CG-101	SITE GRADING AND DRAINAGE PLAN LOT B
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LOCATION MAP

SCALE: 1" = 400'

CITY OF GROTON: APPROVED PLAN
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Chairman _____

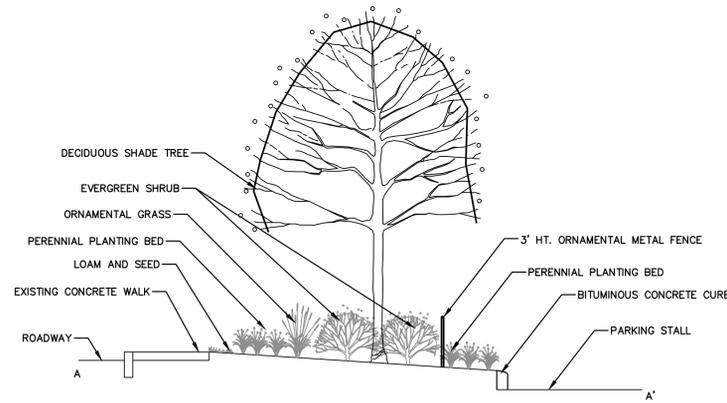
Date _____

PROJ. No.: 1997570.A12
DATE: JUNE 2019

GI-101

PLANTING NOTES:

1. ALL PLANTING MATERIAL TO BE NURSERY GROWN STOCK SUBJECT TO A.A.N. STANDARDS
2. THE CONTRACTOR SHALL SUPPLY ALL PLANTS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT LIST. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT LIST AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER NUMBER SHALL APPLY.
3. ALL PLANTS SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE LOCATED ON SITE BY THE CONTRACTOR FOR THE APPROVAL OF THE LANDSCAPE ARCHITECT. ANY INSTALLATIONS WHICH WERE NOT APPROVED BY THE LANDSCAPE ARCHITECT AND WHICH ARE SUBSEQUENTLY REQUESTED TO BE MOVED WILL BE DONE AT THE CONTRACTORS EXPENSE.
4. PRECISE LOCATION OF ITEMS NOT DIMENSIONED ON THE PLAN ARE TO BE FIELD STAKED BY THE CONTRACTOR AND SHALL BE SUBJECT TO THE REQUIREMENTS SPECIFIED IN THE PREVIOUS NOTE.
5. ALL SHRUB MASSINGS AND TREE PITS SHALL BE MULCHED TO A DEPTH OF 3" WITH SHREDDED PINE BARK MULCH.
6. TREES SHALL NOT BE STAKED UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGED VEGETATION AND SHALL REPLACE OR REPAIR ANY DAMAGED MATERIAL, AT HIS OWN EXPENSE.
8. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 PRIOR TO CONSTRUCTION.
9. ALL SHRUB AND GROUND COVER PLANTING AREAS SHALL HAVE CONTINUOUS BEDS OF TOPSOIL 12" DEEP. ALL SOD AND HYDROSEED AREAS SHALL HAVE A MINIMUM TOPSOIL BED OF 6".
10. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE FIELD. WHERE PLANT MATERIAL MAY INTERFERE WITH UTILITIES, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT TO COORDINATE THEIR INSTALLATION.
11. FOR PLANTING SOIL MIX, SEE SPECIFICATIONS OR PLANTING DETAILS.
12. ALL EXISTING RILL, GULLY OR CHANNEL EROSION SHALL BE FILLED WITH APPROPRIATE BACKFILL MATERIAL, FINE RAKED, SCARIFIED AND STABILIZED WITH APPROPRIATE VEGETATIVE MATERIAL AND/OR APPROPRIATE SEDIMENTATION AND EROSION CONTROL MEASURES.
13. ADJUSTMENTS IN THE LOCATION OF THE PROPOSED PLANT MATERIAL AS A RESULT OF EXISTING VEGETATION TO REMAIN SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
14. THE CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE REPAIR AND REPLACEMENT OF PLANT MATERIAL, AS REQUIRED, FOR THE DURATION OF THE PROJECT AND SUBSEQUENT WARRANTY PERIOD.
15. PLANTINGS INSTALLED IN THE DRY SUMMER MONTHS AND / OR LAWN SEEDED OUT OF SPRING OR FALL PERIODS, IF ALLOWED BY OWNER, WILL REQUIRE AGGRESSIVE IRRIGATION PROGRAMS AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE DIRECTED BY THE OWNER.
16. UPON COMPLETION OF PLANTING, REMOVE FROM SITE ALL EXCESS SOIL, MULCH, AND MATERIALS AND DEBRIS RESULTING FROM WORK OPERATIONS. CLEAN UP SHOULD BE COMPLETED AT THE END OF EACH WORKING DAY. RESTORE TO ORIGINAL CONDITIONS ALL DAMAGED PAVEMENTS, PLANTING AREAS, STRUCTURES AND LAWN AREAS RESULTING FROM LANDSCAPING OPERATIONS.
17. CONTRACTOR SHALL SURVEY, LOCATE, AND PROTECT ALL TREES WITHIN AREAS SHOWN AS "EXISTING VEGETATION TO REMAIN" WITHIN THE DEVELOPMENT ENVELOPE FOR REVIEW BY L.A. PRIOR TO CLEARING OPERATIONS.
18. CONTRACTOR TO RESEED ALL DISTURBED AREAS.
19. ALL AREAS TO BE SEEDED WITH LAWN UNLESS OTHERWISE NOTED ON LANDSCAPE PLAN.
20. PLANT MATERIAL WITHIN SIGHT LINES TO BE < 3' IN HEIGHT OR TREES ARE TO BE LIMBED UP TO A BRANCHING HEIGHT OF AT LEAST 7'
21. TREES ALONG SIDEWALKS TO BE LIMBED ABOVE PEDESTRIAN HEIGHT (7'-8'HT.)
22. UNLESS SPECIFIED OTHERWISE, ALL TREES OUTSIDE TREE CLEARING LIMIT LINE SHALL REMAIN.

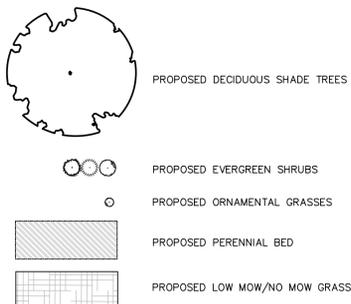


SECTION A-A'
SCALE: N.T.S.

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
TREES				
AR	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY MAPLE	9	3"-3.5" CAL.
SHRUBS				
IG	ILLEX GALABRA 'SHAMROCK'	SHAMROCK INKBERRY	28	3 GAL.
RP	RHODODENDRON X 'PJM'	PJM RHODODENDRON	78	3 GAL.
TM	TAXUS X MEDIA 'DENSIFORMIS'	DENSE SPREADING YEW	37	3 GAL.
PERENNIALS/ORNAMENTAL GRASSES				
CA	CALAMAGROSTIS ARUNDINACEA 'KARL FOERSTER'	KARL FOERSTER REED GRASS	98	2 GAL.
NF	NEPETA FAASSENI 'CAT'S MEOW'	CAT'S MEOW NEPETA	235	1 GAL.
SA	SEEDUM 'AUTUMN JOY'	AUTUMN JOY SEEDUM	235	1 GAL.
SN	SALVIA NEMOROSA 'AMETHYST'	AMETHYST SAGE	235	1 GAL.

LEGEND



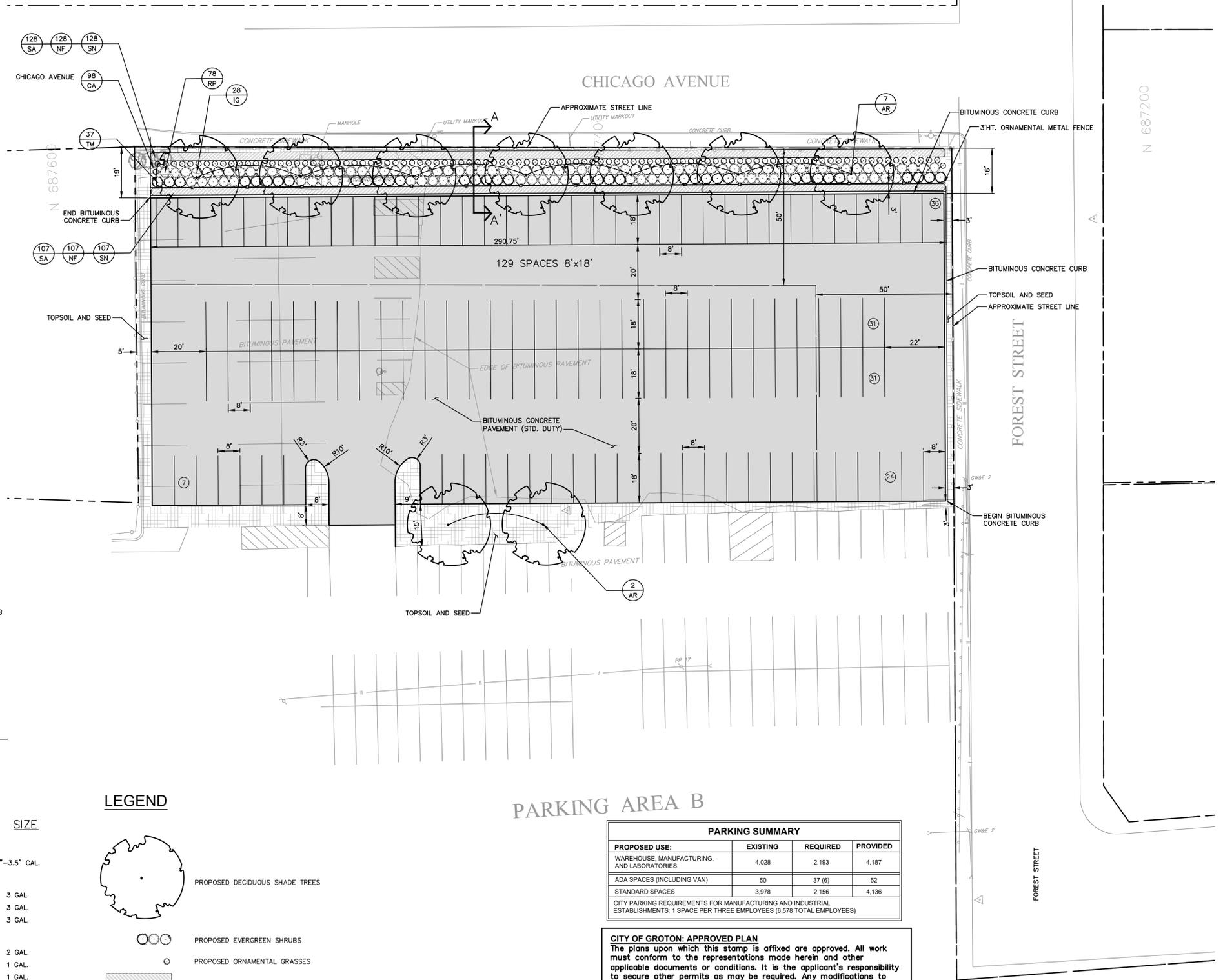
PARKING AREA B

PARKING SUMMARY			
PROPOSED USE:	EXISTING	REQUIRED	PROVIDED
WAREHOUSE, MANUFACTURING, AND LABORATORIES	4,028	2,193	4,187
ADA SPACES (INCLUDING VAN)	50	37 (6)	52
STANDARD SPACES	3,978	2,156	4,136

CITY PARKING REQUIREMENTS FOR MANUFACTURING AND INDUSTRIAL ESTABLISHMENTS: 1 SPACE PER THREE EMPLOYEES (6,578 TOTAL EMPLOYEES)

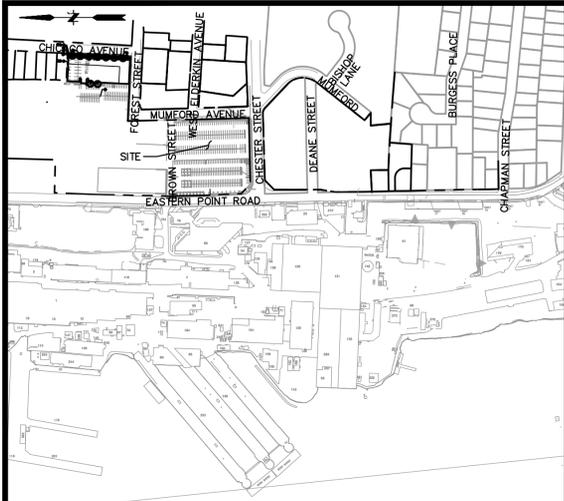
CITY OF GROTON: APPROVED PLAN
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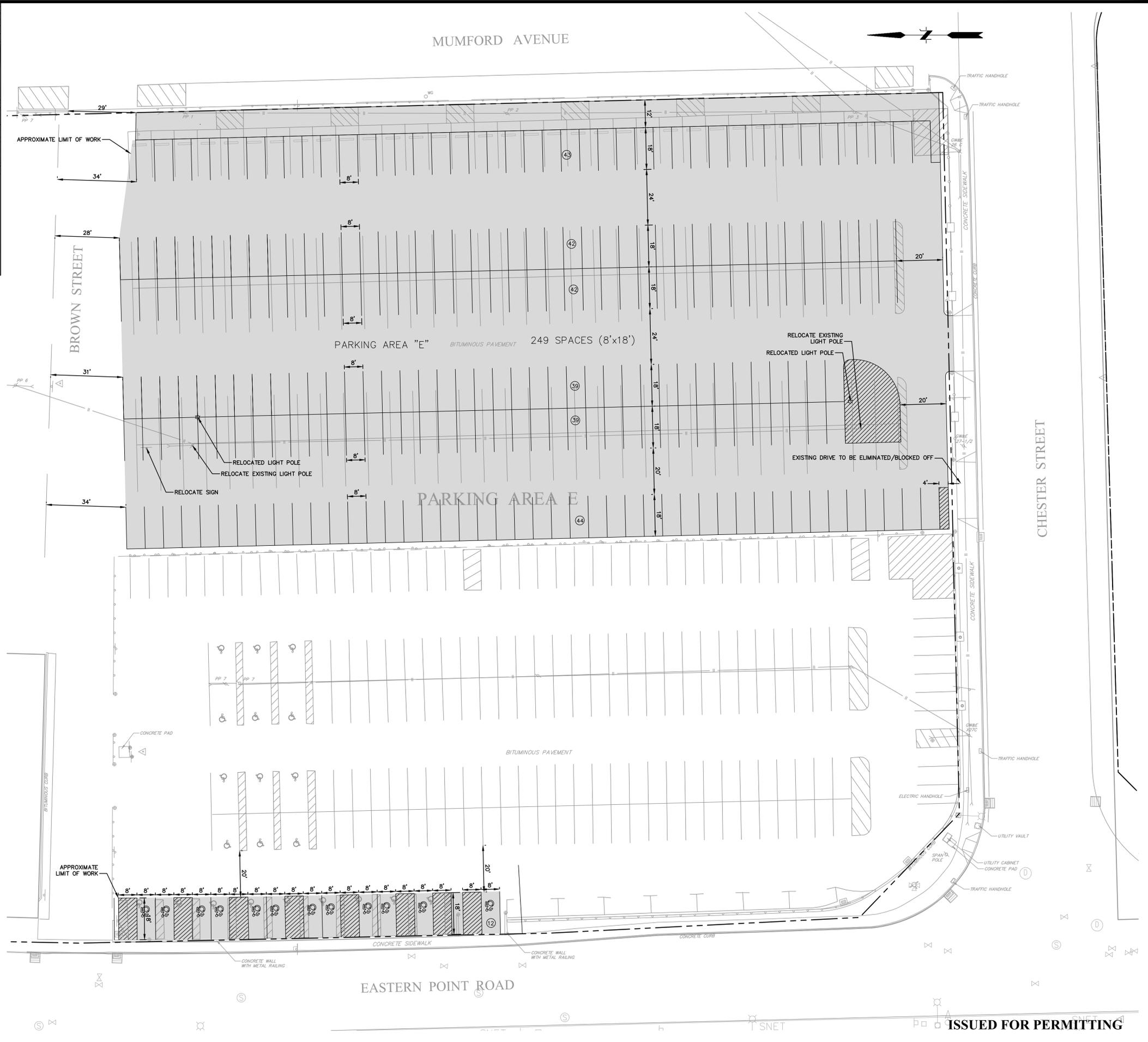


ISSUED FOR PERMITTING

<p>FUSS & O'NEILL 146 HARTFORD ROAD MIDDLETOWN, CONNECTICUT 06040 860.646.2460 www.fussandoneill.com</p>	<p>GENERAL DYNAMICS - ELECTRIC BOAT SITE LAYOUT AND LANDSCAPE PLAN PARKING LOT "B" EXPANSION EASTERN POINT ROAD GROTON, CONNECTICUT</p>										
<p>SCALE: HORZ.: 1" = 20' VERT.: 1" = 20' DATUM: NAD 83 HORZ.: NAVD 88 VERT.: NAVD 88 GRAPHIC SCALE</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>DESIGNER</th> <th>REVIEWER</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	DATE	DESCRIPTION	DESIGNER	REVIEWER					
No.	DATE	DESCRIPTION	DESIGNER	REVIEWER							
<p>PROJ. No.: 1997570.A12 DATE: JULY 3, 2019</p>											
<p>CS-101</p>											



KEY MAP
SCALE 1"=400'



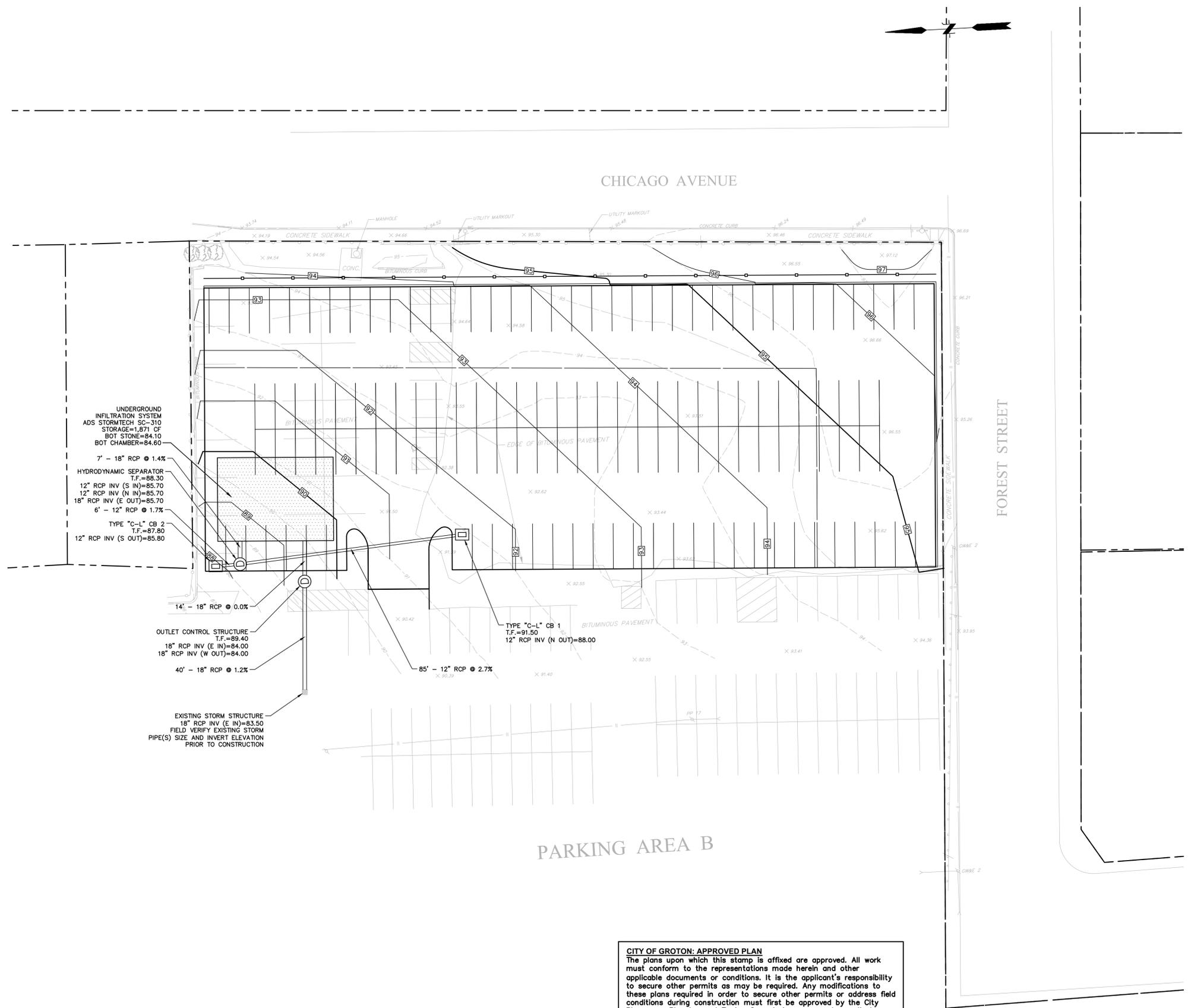
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Chairman _____ Date _____

SCALE: HORZ.: 1" = 20'			
VERT.: 1" = 20'			
DATUM: NAD83			
VERT.: NAVD88			
GRAPHIC SCALE			
20 10 0 20			
FUSS & O'NEILL			
146 HARTFORD ROAD			
GROTON, CONNECTICUT 06040			
860.644.2460			
www.fussandoneill.com			
GENERAL DYNAMICS - ELECTRIC BOAT			
PAVEMENT RESTRIPING PLAN			
ADMINISTRATIVE APPROVAL			
PARKING LOT "E"			
CONNECTICUT			
GROTON			
PROJ. No.: 1997570.A12			
DATE: JULY 3, 2019			
No.	DATE	DESCRIPTION	DESIGNER/REVIEWER
1.			XX/XX

CS-102

ISSUED FOR PERMITTING



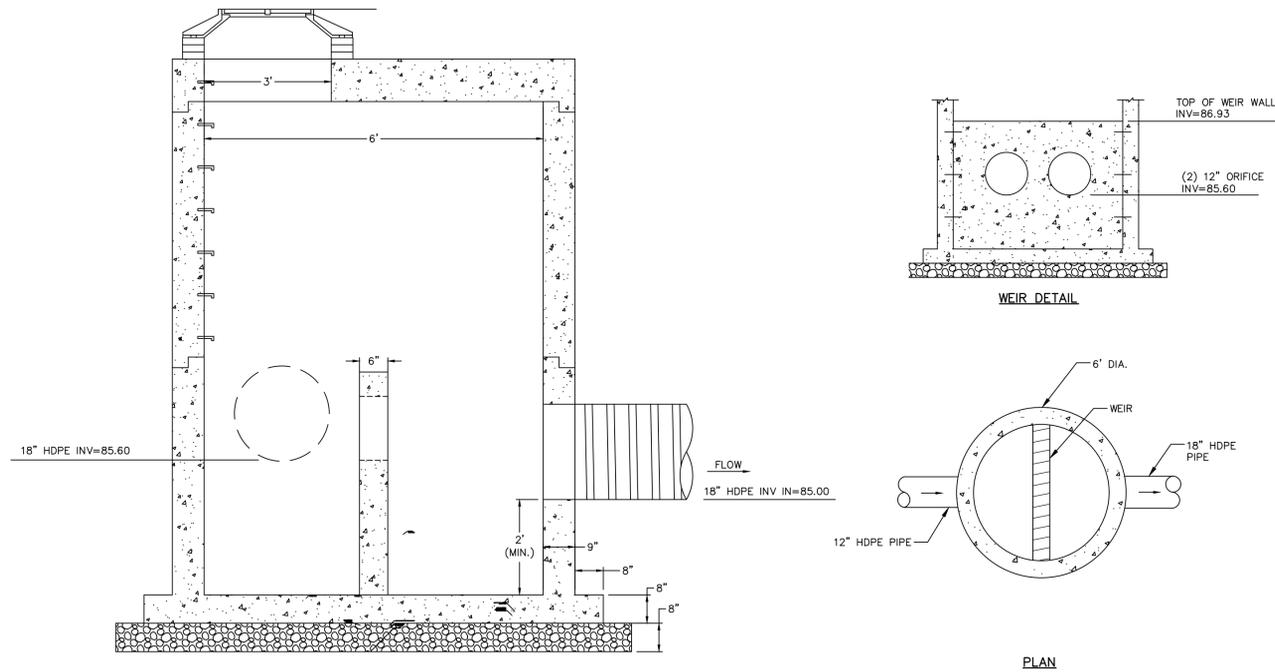
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 Chairman

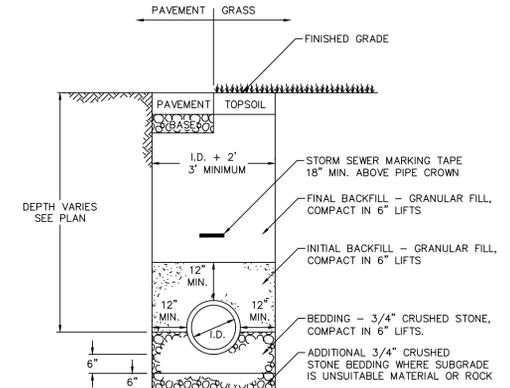
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ISSUED FOR PERMITTING

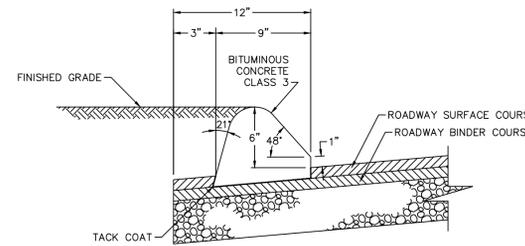
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<p>FUSS & O'NEILL 146 HARTFORD ROAD WEST GROTON, CONNECTICUT 06040 860.646.2460 www.fussandoneill.com</p>	
<p>GENERAL DYNAMICS - ELECTRIC BOAT</p>	<p>CONNECTICUT</p>
<p>SITE GRADING AND DRAINAGE PLAN PARKING LOT "B" EXPANSION EASTERN POINT ROAD</p>	
<p>GROTON</p>	
<p>PROJ. No.: 1997570.A12 DATE: JULY 3, 2019</p>	<p>CG-101</p>
<p>No. _____</p>	<p>DATE _____</p>
<p>DESCRIPTION _____</p>	<p>DESIGNER/REVIEWER _____</p>



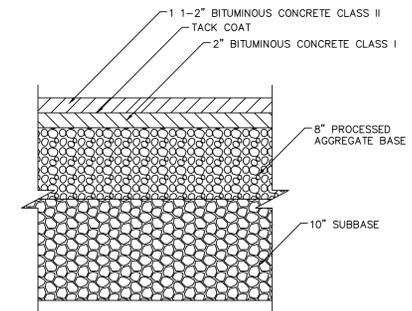
OUTLET CONTROL STRUCTURE
NOT TO SCALE



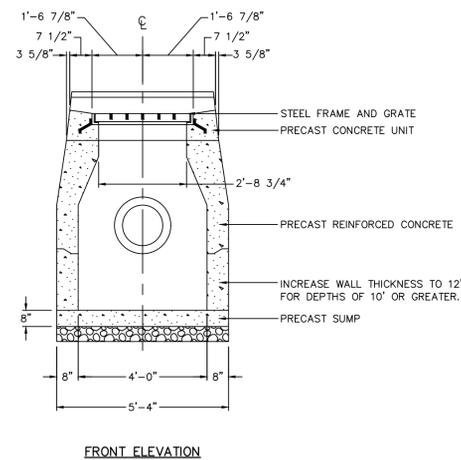
STORM SEWER TRENCH
NOT TO SCALE



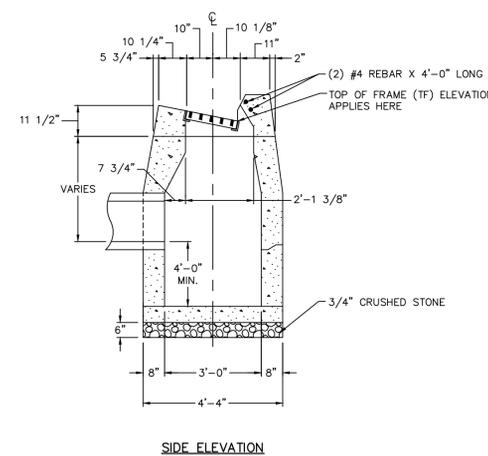
BITUMINOUS CONCRETE CURB
NOT TO SCALE



BITUMINOUS CONCRETE PAVEMENT (STD. DUT)
NOT TO SCALE

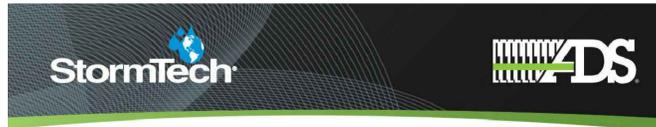


TYPE "C" CATCH BASIN
NOT TO SCALE



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SC-310 CHAMBER

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots, thus maximizing land usage for private (commercial) and public applications. StormTech chambers can also be used in conjunction with Green Infrastructure, thus enhancing the performance and extending the service life of these practices.



STORMTECH SC-310 CHAMBER
(not to scale)

Nominal Chamber Specifications

Size (L x W x H)
85.4" x 34.0" x 18.0"
2,170 mm x 864 mm x 406 mm

Chamber Storage

14.7 ft³ (0.42 m³)

Min. Installed Storage*

31.0 ft³ (0.88 m³)

Weight

37.0 lbs (16.8 kg)

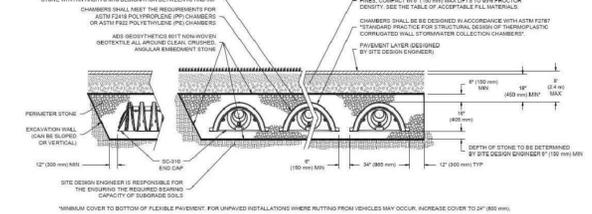
Shipping

41 chambers/pallet

108 end caps/pallet

18 pallets/truck

*Assumes 6" (150 mm) stone above and below chambers and 40% stone porosity.



UNDERGROUND INFILTRATION SYSTEM
NOT TO SCALE

SCALE: HORIZ.: NTS VERT.: DATUM: HORIZ.: VERT.:	DESIGNER: REVIEWER: DATE: No.:
<p>FUSS & O'NEILL 146 HARTFORD ROAD MIDDLETOWN, CONNECTICUT 06460 www.fandoi.com</p>	
<p>GENERAL DYNAMICS - ELECTRIC BOAT SITE DETAILS EASTERN POINT ROAD CONNECTICUT GROTON</p>	
<p>PROJ. No.: 1997570.A12 DATE: JULY 3, 2019</p>	
<p>CD-502</p>	

